

Table Of Contents

I	Important Information	
II	Engine Manufacturers Index	1
III	Numeric Valve Seat Listing	333
IV	Inside Diameter Listing	369
V	Other Engine Valve Seat Materials . . .	405
VI	Interchange Listing	407

Tucker

Superior quality valve seats at competitive prices
... made in the U.S.A.

- o Individually cast - maximum strength, minimum distortion.
- o High quality tungsten alloy - exceptional performance at high temperatures.
- o Secure Fit - precise sizing, similar expansion to cast iron, will not come loose.
- o Works with all fuels - anti-pollution gasolines, alcohol, diesel, L.P. gas, natural gas.
- o Work hardens during run-in - Hardens to 50R/c, tougher than the competition.
- o Most applications in stock - automotive, light and heavy industrial, marine...
- o Oversizes available - .005 to .030 and larger
- o Special orders welcome - many are filled and shipped the same day.

Tungsten, alloyed with chrome, molybdenum and vanadium in a tool steel base creates an extremely strong alloy. This gives Tucker seats greater wear resistance and a better ability to withstand heat than competitor's seats. Tucker seats can safely operate in excess of 1400 degrees F temperatures, the competition is typically rated at 1100° F.

Each seat is individually cast using a process that, together with the special alloy, gives greater resistance to oxidation from fuel contaminants. Unlike other seats, Tucker tungsten seats will not cause valve "pocketing" and recession.

Tucker seats have an initial hardness of 42 R/c that rises to 50 R/C during the first few hours of running. The material work hardens during this period through combustion heat and the impact of the valve against the seat. This increased hardness greatly reduces seat distortion and so extends

The life of the valve. Other manufacturer's standard valve seats are not as hard as the standard Tucker valve seat.

The special alloy used in Tucker seats has a similar expansion rate to that of cast iron, the seats will not loosen even at high operating temperatures. Heat transfer is also superior because the iron based alloy is fully compatible with cast iron and does not form a heat barrier. Heat is conducted quickly away from seat to head, to water jacket.

Tucker seats cut cleanly and easily with existing tooling and will not clog cutters or stones. These seats can be fitted using the same methods you are familiar with, yet offer a far superior performance. Fitting Tucker seats will give your customers the best in quality and reliability while providing you with increased profits!

Important Information

The Tucker Valve Seat standard material is a superior alloy, highly recommended for all critical applications such as L.P. Gas, Diesel, Natural Gas, Unleaded fuels, in both turbo and supercharged engines.

All "T" Series valve seats are available in oversizes and most "T" Series valve seats are stocked in standard oversizes such as +.005, +.010, +.015, +.020, and +.030 at no additional cost.

All Tucker valve seats in this catalog shown as decimal sizes on the outside diameter are actual sizes. Example: a valve seat listed with an O.D. of 1.655 will actually be 1.655 on the O.D. All Tucker valve seats listed with a fractional size will have the appropriate press (interference) fit added to the O.D. Example: a valve seat listed with an O.D. of $1 \frac{3}{4}$ will actually measure 1.755, 1.756, or 1.757, depending on the application, therefore, Tucker Valve Seat Company should be notified of which application the seat is being used for; Aluminum or Cast Iron cylinder heads.

Tucker Valve Seat Company will custom make valve seats to your size specifications if possible. When ordering special valve seat inserts, please state the following dimensions:

Inside Diameter + Outside Diameter + Depth + Seat Angle

Also, if needed, state a description of relief angle and/or pullergroove.

Although the information in this catalog has been gathered from the best available sources and every possible effort has been made to insure accuracy, we are not responsible for any omissions and errors. if any are found, please bring this to our attention.

Warranty: Tucker Valve Seats are manufactured to the highest quality standards set by the Tucker Valve Seat Company. Any insert not meeting these standards can be returned for replacement with prior written approval. This therefore is the limit of our responsibility.

Section II

Engine Manufacturers Index

And

Application Index

(Including Tucker Part Numbers and Size List)

ENGINE	PAGE	ENGINE	PAGE
ACURA	3	INTERNATIONAL INDUSTRIAL & TRACTOR	190
AJAX COMPRESSOR	3	ISUZU	198
ALCO	4	JAGUAR	200
ALFA-ROMERO	4	JEEP (also See American Motors)	202
ALLIS-CHALMERS	5	JOHN DEERE	203
AMERICAN MOTORS	9	KOMATSU	221
ATLAS IMPERIAL	12	LE ROI ENGINES	221
AUDI	12	LEXUS	223
AUSTIN	14	LISTER ENGINE	224
AUTOCAR	15	M. G. (AUSTIN HEALEY)	224
BALDWIN	15	MACK TRUCK	225
BERLIET	16	MAN ENGINES	236
BMW	16	MAZDA	236
BRIGGS & STRATTON	18	MERCEDES BENZ	240
BUDA	18	MERCURY MARINE	244
CADILLAC	24	MINNEAPOLIS-MOLINE	247
CASE TRACTOR & COMBINE	27	MITSUBISHI MOTORS	257
CATERPILLAR	33	NISSAN/DATSUN	261
CHICAGO PNEUMATIC	58	NORDBERG	266
CHRYSLER AUTOMOTIVE	59	OMC MARINE	271
CHRYSLER INDUSTRIAL & MARINE	73	ONAN CORPORATION	272
CITROEN	80	OPEL	272
CLARK BROTHERS	80	PAGE	273
CLIMAX	82	PAXMAN	273
CONTINENTAL	83	PEGASO	273
COOPER-BESSEMER	90	PERKINS	274
CUMMINS	93	PEUGEOT	277
DAF	102	PORSCHE	278
DETROIT DIESEL	102	REO TRUCK	279
ENTERPRISE (DE LAVAL TURBINE)	105	ROLINE	280
FAIRBANKS-MORSE	106	ROLLS ROYCE	280
FIAT	108	SAAB	281
FORD	109	SCANIA	281
FORD TRACTOR AND INDUSTRIAL	121	STERLING	281
FORD TRUCK	125	STUDEBAKER	282
GEMINI	134	SUBARU	283
GMC - CLEVELAND DIESEL DIVISION	134	SUPERIOR	283
GMC - ELCTRO-MOTIVE DIVISION	135	SUZUKI	285
GMC - PASSENGER CAR	135	TOYOTA	286
GMC - TRUCK DIVISION	152	TRIUMPH	293
HARLEY DAVIDSON MOTORCYCLE	163	VOLKSWAGON	294
HERCULES	165	VOLVO	297
HOLDEN	174	WAUKESHA	299
HONDA	174	WISCONSIN	234
HYUNDAI - ALSO SEE MITSUBISHI	178	WITTE ENGINES	325
IHC: TRUCK (NAVISTAR TRUCK)	180	WORTHINGTON	326
INFINITY	186	YUGO	330
INGERSOLL-RAND	186		

ACURA

			Part No.	ID	OD	Depth	Ang.
1 DOHC D16A1 16V GAS FI							
1590 cc	1.6 L	97 cid	Intake T- 2475	1	1 1/4	.305	45
4	1986-89		Exhaust T- 2361	.880	1 3/16	.280	45
2 DOHC B17A1 16V V-TEC GAS FI							
1678 cc	1.7 L	102 cid	Intake T- 625	1.102	1 3/8	.260	45
4	1992-93		Exhaust T- 2505	.955	1 1/4	.255	45
3 DOHC B18C1 16V V-TEC GAS FI							
1797 cc	1.8 L	110 cid	Intake T- 625	1.102	1 3/8	.260	45
4	1994-01		Exhaust T- 2505	.955	1 1/4	.255	45
4 DOHC B18C5 16V GAS FI							
1797 cc	1.8 L	110 cid	Intake T- 625	1.102	1 3/8	.260	45
4	1997-01		Exhaust T- 2505	.955	1 1/4	.255	45
5 DOHC B18A1, B18B1 16V GAS FI							
1834 cc	1.8 L	112 cid	Intake T- 570	1.045	1 5/16	5/16	45
4	1990-01		Exhaust T- 2504	.930	1 1/4	.325	
6 SOHC F22B1 16V GAS FI							
2156 cc	2.2 L	132 cid	Intake T- 524	1 1/8	1 3/8	.325	45
4	1997		Exhaust T- 162	.970	1.257	.270	---
7 SOHC 6VD1 24V GAS FI							
3165 cc	3.2 L	193 cid	Intake T- 1685	1 3/16	1 7/16	1/4	45/R
6	1996-97		Exhaust T- 2868	1.020	1 5/16	.258	45

AJAX COMPRESSOR

			Part No.	ID	OD	Depth	Ang.
1 Gas Injection No Angle							
Exh. OEM #BM-10141-B (also T-968+005 N/A)			Exhaust T- 973	1.375	1.760	.250	---
2 Gas Injection							
Exh. OEM #BM-10141-A (also T-968+005)			Exhaust T- 1030	1 3/8	1.760	1/4	45
3 Rebecca Valve C-30, C-42							
			Intake T- 2490	1	1.8565	1.1325	45/R
			Exhaust T- 2490	1	1.8565	1.1325	45/R

ALCO

		Part No.	ID	OD	Depth	Ang.
1	244					
		Exhaust T- 1101	3	3 1/2	3/8	45
		Alt-Exh T- 1135	3	3.590	7/16	45
2	244 Oversize					
		Exhaust T- 1105	3	3 9/16	7/16	45
3	251 9 X 10 1/2 W/RG Style					
	Int. OEM #22211817 Exh. OEM #22211815 Only Available in Stellite	Intake X- 1271	2 21/32	3.184	.565	30
		Exhaust X- 1270	2 21/32	3.184	.530	45
4	251 (plus) 9 X 10 1/2 N/RG					
	Int. OEM #22211821 Exh. OEM#22211822 Only Available in Stellite	Intake X- 1272	2 21/32	3.184	.562	30/R
		Exhaust X- 1273	2 21/32	3.184	.530	45
5	539 12 1/2 X 13 W/ PG					
	OEM #2221181	Intake T- 1403	3 5/8	4 3/8	1/2	45
		Exhaust T- 1403	3 5/8	4 3/8	1/2	45
6	539 12 1/2 X 13 W/ RG Oversized					
		Exhaust T- 2201	3 5/8	4 1/2	9/16	45

ALFA-ROMERO

		Part No.	ID	OD	Depth	Ang.
1	1300 Giulia					
		Intake T- 553	1 3/16	1 9/16	1/4	---
		Exhaust T- 515	1.103	1 1/2	1/4	---
2	1570					
		Intake T- 1019	1.457	1 3/4	.295	---
		Exhaust T- 516	1 7/32	1 9/16	.295	---
3	1600 Giulia					
		Intake T- 1021	1 1/2	1 3/4	1/4	---
		Exhaust T- 517	1 7/32	1 9/16	1/4	---
4	1600-1750 Alfetta					
		Intake T- 1021	1 1/2	1 3/4	1/4	---
		Exhaust T- 517	1 7/32	1 9/16	1/4	---

ALFA-ROMERO

			Part No.	ID	OD	Depth	Ang.
5	1600-1700 CH 1375000						
			Intake T- 571	1 29/64	1 3/4	1/4	---
			Exhaust T- 517	1 7/32	1 9/16	1/4	---
6	2000						
			Intake T- 1663	1 9/16	1 13/16	1/4	---
			Exhaust T- 2053	1 21/64	1 11/16	1/4	---

ALLIS-CHALMERS

			Part No.	ID	OD	Depth	Ang.
1	Model G						
62 ci	1 L	N62,N4062 Continental	Intake T- 110	3/4	1	3/16	45
4	1947-66		Exhaust T- 110	3/4	1	3/16	45
2	G 116 , 8 Valve						
116 ci	1.9 L	BE Engine	Intake T- 271	1 1/4	1 1/2	7/32	45
4		1B,B,B15 Tractor	Exhaust T- 222	1 1/8	1 3/8	3/16	45
3	B 125 Gas, B-Series 8 Valve						
125 ci	2 L	1B,B,BE,BR,B8,B15 Engines	Intake T- 271	1 1/4	1 1/2	7/32	45
4		B,C,CA,FC,RC,60H Tractors	Exhaust T- 222	1 1/8	1 3/8	3/16	45
4	G 138, 8 Valve						
138 ci	2.3 L	D10 Thru Serial 3501	Intake T- 271	1 1/4	1 1/2	7/32	45
4		D12 Thru Serial 3001	Exhaust T- 222	1 1/8	1 3/8	3/16	45
5	G 142, 8 Valve						
142 ci	2.3 L	HD5,HD5B,HD5G Detroit Diesel					
4	1946-50	prior to 1950	Exhaust T- 922	1 9/32	1 5/8	5/16	45/R
6	G 149, 8 Valve						
149 ci	2.4 L	D10 from serial 3501; D12 from	Intake T- 271	1 1/4	1 1/2	7/32	45
4		serial 3001; D14, D15 thru serial	Exhaust T- 222	1 1/8	1 3/8	3/16	45
		9001; H3, H10, H66, H72, H90, H160					
7	4DA153						
153 ci	2.5 L	HD 153,4DA153, D Grader, WD 45	Intake T- 272	1 1/4	1 1/2	1/4	45
4	1960-73		Exhaust T- 370	1 7/32	1 7/16	7/32	45
8	D153, DA153						
153 ci	2.5 L						
4,6			Exhaust T- 222	1 1/8	1 3/8	3/16	45
9	4G153, 8 Valve						
153 ci	2.5 L		Intake T- 929	1 5/16	1 9/16	7/32	45
4	1960-73		Exhaust T- 370	1 7/32	1 7/16	7/32	45

ALLIS-CHALMERS

		Part No.	ID	OD	Depth	Ang.	
10 G 160, 8 Valve							
160 ci	2.6 L	D15 Series 11,G1600,H160 Industrial	Intake T- 271	1 1/4	1 1/2	7/32	45
4			Exhaust T- 222	1 1/8	1 3/8	3/16	45
11 D 175, 8 Valve							
175 ci	2.9 L	HD3, D15D, before serial 11950 Int. w 1.375 VI. Hd. Exh. w 1.376 VI. Hd.	Intake T- 272	1 1/4	1 1/2	1/4	45
4			Exhaust T- 370	1 7/32	1 7/16	7/32	45
12 D 175, 8 Valve							
175 ci	2.9 L	SERIAL 119505-D05033 Int. w 1.546 VI. Hd. Exh. w 1.376 VI. Hd.	Intake T- 950	1 3/8	1 9/16	1/4	45
4			Exhaust T- 370	1 7/32	1 7/16	7/32	45
13 D 175, 8 Valve							
175 ci	2.9 L	Serial D05033 and up Int. w 1.480 VI. Hd. Alt. Int. w 1.535 VI. Hd. Exh. W 1.250 VI. Hd.	Intake T- 939	1 5/16	1 9/16	1/4	45
4			Alt-Int T- 900	1 5/16	1 9/16	3/16	45
			Exhaust T- 223	1 1/8	1 3/8	7/32	45
14 Waukesha XA							
186 ci	3 L	Hillside-Prairie #3,10-12" Cut	Intake T- 952	1 3/8	1 5/8	7/32	45
4			Exhaust T- 952	1 3/8	1 5/8	7/32	45
15 G201, W-Series, 8 Valve							
201 ci	3.3 L	W, WC, WC Patrol, WD45 (late), WF, W25, W201	Intake T- 987	1 1/2	1 3/4	1/4	45
4	1933-67		Exhaust T- 931	1 5/16	1.578	1/4	45
16 HD7							
213 ci	3.5 L	HD7W Detroit Diesel, prior to 1950					
4	1946-50		Exhaust T- 922	1 9/32	1 5/8	5/16	45/R
17 G220, G226 8 Valve							
226 ci	3.7 L	170, 170G Tractor, D17D, D17D LPG	Intake T- 987	1 1/2	1 3/4	1/4	45
4			Exhaust T- 931	1 5/16	1.578	1/4	45
18 6G230, 12 Valve							
230 ci	3.8 L		Intake T- 929	1 5/16	1 9/16	7/32	45
6	1960-73		Exhaust T- 370	1 7/32	1 7/16	7/32	45
19 D230, DA230							
230 ci	3.8 L						
4,6			Exhaust T- 222	1 1/8	1 3/8	3/16	45
20 175 w 4.236 Series Perkins Diesel, 8 Valve							
236 ci	3.9 L	Universal size for heads w/o factory installed inserts; 170, 175	Intake T- 1968	1 9/16	1 7/8	7/32	45
4			Exhaust T- 924	1 1/4	1 9/16	7/32	45

ALLIS-CHALMERS

		Part No.	ID	OD	Depth	Ang.
21 175 w 4.236 Series Perkins Diesel, 8 Valve						
236 ci 4	3.9 L	Heads w factory installed seats	Intake T- 1570	1 19/32	2.020	9/32 45
		Exhaust is counter bored insert Exh. OEM #33152154 Alt. Exh. OEM #33152139	Exhaust T- 1934 Alt-Exh T- 2681	1 1/4 1 1/4	1.690 1.681	3/8 45/C 3/8 45
22 175 w 4.248 Series Perkins Diesel, 8 Valve						
248 ci 4	4.2 L	Universal size for heads w/o factory installed inserts	Intake T- 1968	1 9/16	1 7/8	7/32 45
			Exhaust T- 924	1 1/4	1 9/16	7/32 45
23 175 w 4.248 Series Perkins Diesel, 8 Valve						
248 ci 4	4.2 L	Heads w factory installed seats	Intake T- 1570	1 19/32	2.020	9/32 45
		Exhaust is counter bored insert Exh. OEM #33152154 Alt. Exh. OEM #33152139	Exhaust T- 1934 Alt-Exh T- 2681	1 1/4 1 1/4	1.690 1.681	3/8 45/C 3/8 45
24 6D 262, DA262 12 Valve						
262 ci 6	4.3 L	before Serial 119938 Int. w 1.375 VI. Hd. Exh. w 1.376 VI. Hd.	Intake T- 272	1 1/4	1 1/2	1/4 45
			Exhaust T- 370	1 7/32	1 7/16	7/32 45
25 6D 262, DA262 12 Valve						
262 ci 6	4.3 L	Serial 119938 Thru 01681 DA262, 6D262, 6DA262, Buda Eng. D17D, D19D	Intake T- 950	1 3/8	1 9/16	1/4 45
			Exhaust T- 370	1 7/32	1 7/16	7/32 45
26 6D 262, DA262 12 Valve						
262 ci 6	4.3 L	Serial 01681 and up DA262, 6D262, 6DA262, Buda eng. D17D, D19D Int. w 1.480 VI. Hd. Exh. w 1.250 VI. Hd.	Intake T- 939	1 5/16	1 9/16	1/4 45
			Alt-Int T- 900	1 5/16	1 9/16	3/16 45
			Exhaust T- 223	1 1/8	1 3/8	7/32 45
27 G 262, 12 Valve						
262 ci 6	4.3 L		Intake T- 929	1 5/16	1 9/16	7/32 45
			Exhaust T- 370	1 7/32	1 7/16	7/32 45
28 G2500, 12 Valve						
265 ci 6	4.3 L	190D, 190G	Intake T- 374	1.400	1.609	1/4 45
			Exhaust T- 375	1.270	1.486	.290 45
29 HD9, HD10						
284 ci 1946-50	4.3 L	HD10W w Detroit Diesel Eng. Prior to 1950	Exhaust T- 922	1 9/32	1 5/8	5/16 45/R

ALLIS-CHALMERS

		Part No.	ID	OD	Depth	Ang.
30 D2800, D2900, 12 Valve						
301 ci	4.9 L	180, 185, 190, 190XT, 200, 649T	Intake T- 374	1.400	1.609	1/4 45
6		7000, 7020	Exhaust T- 375	1.270	1.486	.290 45
31 HD344 Buda, 8 Valve						
344 ci	5.6 L		Intake T- 371	1 11/16	2 3/16	9/32 45
4			Exhaust T- 962	1 3/8	1 11/16	1/4 45
32 6000, 7000 Buda, 8 Valve						
344 ci	5.6 L		Intake T- 1901	1 9/16	1 7/8	5/16 45
4	1960-66		Exhaust T- 1822	1 3/8	1 11/16	5/16 45
33 HD14, HD15, HD19						
426 ci	7 L	HD19-4 w Detroit Diesel Eng.				
6	1946-50	Prior to 1950	Exhaust T- 922	1 9/32	1 5/8	5/16 45/R
34 D 426 Engine						
426 ci	7 L	220 Tractor	Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1969-73		Exhaust T- 1581	1 31/64	1.667	5/16 45
35 D3400, 12 Valve						
426 ci	7 L	D21 & D22 Series II, D3750 Diesel	Intake T- 376	1.600	1.814	.315 45
6		670T, 670HI, 6701, 7030-7080, 7580	Exhaust T- 377	1.420	1.670	.302 45
36 D3500, 12 Valve						
426 ci	7 L	670T, 679HI, 6701, 7030-7080, 7580	Intake T- 376	1.600	1.814	.315 45
6			Exhaust T- 377	1.420	1.670	.302 45
37 D3750, 12 Valve						
426 ci	7 L	670T,670HI,6701-7080,7580	Intake T- 376	1.600	1.814	.315 45
6			Exhaust T- 377	1.420	1.670	.302 45
38 HD11 Series Gas						
516 ci	8.5 L	145 grader, TS160 scraper	Intake T- 304	1 3/4	2 1/16	9/32 45
6	1956-73		Exhaust T- 1824	1 7/16	1 3/4	5/16 45
39 HD11B						
516 ci	8.5 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1958-69		Exhaust T- 962	1 3/8	1 11/16	1/4 45
40 HD516 Buda, 8 Valve						
516 ci	8.5 L	HD6,HD11	Intake T- 371	1 11/16	2 3/16	9/32 45
6			Exhaust T- 962	1 3/8	1 11/16	1/4 45
41 10000,11000 Buda, 12 Valve						
516 ci	8.5 L		Intake T- 1901	1 9/16	1 7/8	5/16 45
6	1960-66		Exhaust T- 1822	1 3/8	1 11/16	5/16 45

ALLIS-CHALMERS

		Part No.	ID	OD	Depth	Ang.
42	HD16, HD21 Series					
779 ci	12.8 L					
6	1958-73					
w Alternate Intake & Exhaust		Intake T- 1931	1 5/8	2 1/16	9/32	45
		Alt-Int T- 806	2	2 3/8	9/32	45
		Exhaust T- 962	1 3/8	1 11/16	1/4	45
		Alt-Exh T- 1756	1 7/8	2 1/4	3/8	45
43	HD16, HD21 Series					
844 ci	13.8 L					
6	1958-73					
w Alternate Intake & Exhaust		Intake T- 1931	1 5/8	2 1/16	9/32	45
		Alt-Int T- 806	2	2 3/8	9/32	45
		Exhaust T- 962	1 3/8	1 11/16	1/4	45
		Alt-Exh T- 1756	1 7/8	2 1/4	3/8	45

AMERICAN MOTORS

		Part No.	ID	OD	Depth	Ang.
1	C3J Renault Eng.					
1396 cc	1.4 L					
4	1984-87					
		Intake T- 2517	1 3/32	1 7/16	.354	45
		Exhaust T- 623	1.024	1 1/4	.257	45
2	Summit 4G15 SOHC					
1468 cc	1.5 L					
4	1989-90					
		Intake T- 352	1.100	1 7/16	.293	45/R
		Exhaust T- 353	.980	1 5/16	.293	45/R
3	DOHC 4G61					
1597 cc	1.6 L					
4	1989-90					
		Intake T- 2075	1.135	1 7/16	.316	45/R
		Exhaust T- 570	1.045	1 5/16	5/16	45
4	4G61 Turbo DOHC					
1600 cc	1.6 L					
4	1989-90					
		Intake T- 354	1.260	1 9/16	.280	45/R
		Exhaust T- 385	1.060	1 3/8	.280	45/R
5	121 Audi, Gremlin, Pacer					
1984 cc	2 L					
4	1977-81					
		Intake T- 382	1.300	1 11/16	.362	45/R
		Exhaust T- 383	1.185	1 7/16	.304	45/R
6	DOHC Talon G63B					
2000 cc	2 L					
4	1990-92					
		Intake T- 2075	1.135	1 7/16	.316	45/R
		Exhaust T- 570	1.045	1 5/16	5/16	45
7	Jeep Renault w/ Turbo					
2068 cc	2.1 L					
4	1984-87					
		Intake T- 518	1.200	1 7/16	.297	45
		Exhaust T- 519	1.450	1 11/16	.297	45
8	134 L Head					
134 ci	2.2 L					
4	1941-65					
		Intake T- 952	1 3/8	1 5/8	7/32	45
		Exhaust T- 929	1 5/16	1 9/16	7/32	45

AMERICAN MOTORS

		Part No.	ID	OD	Depth	Ang.
9 134 F Head						
134 ci	2.2 L		Intake T- 318	1 13/16	2 1/8	1/4 45
4	1950-73		Exhaust T- 939	1 5/16	1 9/16	1/4 45
10 Medallion J7T, Fuego, 18i						
2165 cc	2.2 L		Intake T- 2026	1 7/16	1 13/16	5/16 45/R
4	1984-90		Exhaust T- 1524	1.298	1 5/8	.317 45/R
11 150 AMC Car & Jeep						
150 ci	2.5 L		Intake T- 301	1 3/4	2	7/32 45
4	1983-97		Exhaust T- 929	1 5/16	1 9/16	7/32 45
12 Premiere						
150 ci	2.5 L		Intake T- 301	1 3/4	2	7/32 45
4	1988-89		Exhaust T- 929	1 5/16	1 9/16	7/32 45
13 151 GM Jeep, CJ & DJ, Pickup						
151 ci	2.5 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1980-83		Exhaust T- 952	1 3/8	1 5/8	7/32 45
14 173 Jeep						
173 ci	2.8 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1984-90		Exhaust T- 239	1 3/16	1 7/16	7/32 45
15 196 L Head						
196 ci	3.2 L		Intake T- 929	1 5/16	1 9/16	7/32 45
6	1956-65		Exhaust T- 222	1 1/8	1 3/8	3/16 45
16 196 OHV - Cast Iron						
196 ci	3.2 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1960-65		Exhaust T- 239	1 3/16	1 7/16	7/32 45
17 196 OHV - Aluminum						
196 ci	3.2 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1961-64		Exhaust T- 222	1 1/8	1 3/8	3/16 45
18 199 OHV Cast Iron						
199 ci	3.3 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1965-70		Exhaust T- 271	1 1/4	1 1/2	7/32 45
19 225 AMC, w/ Buick V-6						
225 ci	3.7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1966-72		Exhaust T- 239	1 3/16	1 7/16	7/32 45
20 226 AMC, Continental						
226 ci	3.7 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1954-65		Exhaust T- 239	1 3/16	1 7/16	7/32 45

AMERICAN MOTORS

		Part No.	ID	OD	Depth	Ang.
21	230 OHC					
230 ci	3.8 L		Intake T- 301	1 3/4	2	7/32 45
6	1962-68		Exhaust T- 984	1 7/16	1 3/4	1/4 45
22	232 AMC, Jeep, CJ & DJ					
232 ci	3.8 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1964-79		Exhaust T- 271	1 1/4	1 1/2	7/32 45
23	242					
242 ci	4 L		Intake T- 301	1 3/4	2	7/32 45
6	1987-97		Exhaust T- 929	1 5/16	1 9/16	7/32 45
24	250					
250 ci	4.1 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1957-62		Exhaust T- 271	1 1/4	1 1/2	7/32 45
25	258					
258 ci	4.2 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1971-90		Exhaust T- 271	1 1/4	1 1/2	7/32 45
26	287					
287 ci	4.7 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1963-66		Exhaust T- 271	1 1/4	1 1/2	7/32 45
27	290					
290 ci	4.8 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1966-69		Exhaust T- 271	1 1/4	1 1/2	7/32 45
28	304					
304 ci	5 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1970-79		Exhaust T- 271	1 1/4	1 1/2	7/32 45
29	318 Chrysler, Jeep Cherokee					
318 ci	5.2 L		Intake T- 301	1 3/4	2	7/32 45
8	1993-95		Exhaust T- 986	1 1/2	1 3/4	7/32 45
30	327					
327 ci	5.4 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1957-66		Exhaust T- 271	1 1/4	1 1/2	7/32 45
31	343					
343 ci	5.6 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1967-69		Exhaust T- 271	1 1/4	1 1/2	7/32 45
32	350 Jeep, W/ V-8					
350 ci	5.7 L		Intake T- 301	1 3/4	2	7/32 45
8	1968-71		Exhaust T- 952	1 3/8	1 5/8	7/32 45

AMERICAN MOTORS

		Part No.	ID	OD	Depth	Ang.
33	360					
360 ci	5.9 L					
8	1970-93	Intake T- 318	1 13/16	2 1/8	1/4	45
		Exhaust T- 983	1 7/16	1 3/4	7/32	45
34	390 - Early 1970 w/ 1.625 Exh. Valve Head					
390 ci	6.4 L					
8	1968-70	Intake T- 301	1 3/4	2	7/32	45
		Exhaust T- 981	1 7/16	1 11/16	7/32	45
35	390 - Late 1970 w/ 1.687 Exh. Valve Head					
390 ci	6.4 L					
8	1968-70	Intake T- 301	1 3/4	2	7/32	45
		Exhaust T- 983	1 7/16	1 3/4	7/32	45
36	401					
401 ci	6.6 L					
8	1971-78	Intake T- 318	1 13/16	2 1/8	1/4	45
		Exhaust T- 983	1 7/16	1 3/4	7/32	45

ATLAS IMPERIAL

		Part No.	ID	OD	Depth	Ang.
1	9 X 10 1/2 Locomotive					
		Intake T- 1010	2 3/4	3 7/16	11/16	45
		Exhaust T- 1010	2 3/4	3 7/16	11/16	45

AUDI

		Part No.	ID	OD	Depth	Ang.
1	SOHC 1500 Series VW, Audi Fox, Gas, Carb, XZ					
1471 cc	1.5 L	8 Valve				
4	1973-75	Intake T- 346	1.140	1 7/16	.305	45/R
		Exhaust T- 347	1.086	1 5/16	.305	45/R
		Alt-Exh T- 522	1.086	1 5/16	.305	45
2	4E,1600N, VW,YG,YH,YK Gas, FI, Audi Fox 4000					
1588 cc	1.6 L	8 Valve				
4	1975-80	Intake T- 346	1.140	1 7/16	.305	45/R
		Exhaust T- 347	1.086	1 5/16	.305	45/R
		Alt-Exh T- 522	1.086	1 5/16	.305	45
3	SOHC 4E, 1600N, H, VW, CY & 4000 Turbo Diesel, FI					
1588 cc	1.6 L	8 Valve				
4	1982-84	Intake T- 346	1.140	1 7/16	.305	45/R
		Exhaust T- 347	1.086	1 5/16	.305	45/R
		Alt-Exh T- 522	1.086	1 5/16	.305	45

AUDI

		Part No.	ID	OD	Depth	Ang.
4 SOHC 4E, 1600N, VW, G, CR, JK, 4000 Diesel, FI						
1588 cc	1.6 L	8 Valve	Intake T- 346	1.140	1 7/16	.305 45/R
4	1982-83		Exhaust T- 347	1.086	1 5/16	.305 45/R
			Alt-Exh T- 522	1.086	1 5/16	.305 45
5 SOHC 4E, 1700 VW, A, WT, Audi 4000, Gas, FI						
1715 cc	1.7 L	8 Valve	Intake T- 346	1.140	1 7/16	.305 45/R
4	1981-83		Exhaust T- 347	1.086	1 5/16	.305 45/R
			Alt-Exh T- 522	1.086	1 5/16	.305 45
6 Gas, Carb, ZT, ZY Super 90, 100S, 100LS						
1760 cc	1.8 L	8 Valve	Intake T- 523	1.300	1 9/16	5/16 45/R
4	1970-73		Exhaust T- 383	1.185	1 7/16	.304 45/R
7 SOHC A, B, C, JN, MG, Audi 4000S, Gas, FI						
1780 cc	1.8 L	8 Valve	Intake T- 369	1 11/32	1 5/8	.304 45/R
4	1984-87		Exhaust T- 524	1 1/8	1 3/8	.325 45
8 DOHC 20 Valve Gas, FI						
1781 cc	1.8 L	B,C,T,X,AEB,AMB,AMU ATC,ATW,AWM,AWP,BEA "Turbo"	Intake T- 534	1.010	1 1/4	.257 45/R
4	1997-06		Exhaust T- 2349	.890	1.132	.237 45/R
9 SOHC 1900S, Audi 100, 100GL, 100LS						
1872 cc	1.9 L	XT,XU,ZG,ZH,ZK,ZL,ZW YA,YB,YC,YD Carb 1972-74, FI 1975-77	Intake T- 523	1.300	1 9/16	5/16 45/R
4	1972-77		Exhaust T- 383	1.185	1 7/16	.304 45/R
10 SOHC A, B, 3A Eng., 80 Model, Gas, FI						
1983 cc	2 L	8 Valve	Intake T- 369	1 11/32	1 5/8	.304 45/R
4	1988-91		Exhaust T- 524	1 1/8	1 3/8	.325 45
11 SOHC CN, D24 & DE Diesel, Audi 5000 Diesel & Turbo						
1986 cc	2 L	10 Valve	Intake T- 476	1.220	1 1/2	.315 45/R
5	1979-84		Exhaust T- 347	1.086	1 5/16	.305 45/R
			Alternate Exhaust Alt-Exh T- 522	1.086	1 5/16	.305 45
12 SOHC A,B,C,WD,WE,WK,WU,K Series, KH, Audi 5000						
2144 cc	2.2 L	10 Valve	Intake T- 523	1.300	1 9/16	5/16 45/R
5	1978-84		Exhaust T- 347	1.086	1 5/16	.305 45/R
			Alternate Exhaust Alt-Exh T- 522	1.086	1 5/16	.305 45

AUDI

		Part No.	ID	OD	Depth	Ang.	
13 SOHC JT, KX, KZ Series, Gas, FI							
2226 cc	2.2 L	4000, 4000CS, 4000S Quattro, 5000S, 5000S Coupe GT 10 Valve	Intake T- 369	1 11/32	1 5/8	.304	45/R
5	1984-87		Exhaust T- 524	1 1/8	1 3/8	.325	45
14 SOHC C,D,E,MC, 200, 200 Turbo							
2226 cc	2.2 L	5000 CS Quattro & 5000 CS Quattro Turbo 10 Valve	Intake T- 369	1 11/32	1 5/8	.304	45/R
5	1986-91		Exhaust T- 524	1 1/8	1 3/8	.325	45
15 DOHC Turbo, S4, S6, 200 Quattro Turbo							
2226 cc	2.2 L	20 Valve	Intake T- 570	1.045	1 5/16	5/16	45
5	1992-96		Exhaust T- 753	.900	1 1/8	.325	45
16 SOHC B,C,D, N Series, NF, NG, Gas, FI							
2309 cc	2.3 L	80, 90, 100 Quattro, 5000 Quattro 10 Valve	Intake T- 369	1 11/32	1 5/8	.304	45/R
5	1988-92		Exhaust T- 524	1 1/8	1 3/8	.325	45
17 DOHC E, 7A, 90 Quattro, Coupe Quattro, Gas, FI							
2309 cc	2.3 L	20 Valve	Intake T- 570	1.045	1 5/16	5/16	45
5	1990-91		Exhaust T- 753	.900	1 1/8	.325	45
18 DOHC 30 Valve Gas, FI							
2671 cc	2.7 L	D,P,APB,BEL "Turbo"	Intake T- 534	1.010	1 1/4	.257	45/R
6	2000-05		Exhaust T- 2349	.890	1.132	.237	45/R
19 SOHC A6, A6 Quattro, 90 Series, Gas, FI							
2771 cc	2.8 L	Quattro & Sport 90, 100 & 100 Quattro 12 Valve	Intake T- 369	1 11/32	1 5/8	.304	45/R
6	1992-98		Exhaust T- 524	1 1/8	1 3/8	.325	45
20 DOHC 30 Valve Gas, FI							
2771 cc	2.8 L	A,D,H,AHA,ATQ,AMX	Intake T- 534	1.010	1 1/4	.257	45/R
6	1998-01		Exhaust T- 2349	.890	1.132	.237	45/R
21 DOHC Gas, FI 30 Valve Vin T, AVK. BGN							
2976 cc	3 L		Intake T- 534	1.010	1 1/4	.257	45/R
6	2002-06		Exhaust T- 2349	.890	1.132	.237	45/R

AUSTIN

		Part No.	ID	OD	Depth	Ang.	
1 12G, 12H, 12V Series, 1300, Sprite							
1275 cc	1.3 L		Intake T- 239	1 3/16	1 7/16	7/32	45
4	1966-78		Exhaust T- 754	1 1/16	1 1/4	7/32	45

AUTOCAR

	Part No.	ID	OD	Depth	Ang.
1	315				
		Exhaust T- 1902	1 9/16	2 1/16	1/4 45
2	331				
		Exhaust T- 1605	1 7/16	1.899	9/32 45
3	358				
		Exhaust T- 1902	1 9/16	2 1/16	1/4 45
4	377				
		Exhaust T- 1903	1 9/16	1 15/16	5/16 45
5	404, 453				
		Exhaust T- 1736	1 3/4	2 1/4	7/32 45

BALDWIN

	Part No.	ID	OD	Depth	Ang.
1	600, CA-118				
		Intake T- 2223	3 3/4	4 1/2	5/8 45
		Alt-Int T- 2249	3 1/2	4 11/16	3/4 45/R
		Exhaust T- 2223	3 3/4	4 1/2	5/8 45
		Alt-Exh T- 2222	3 3/4	4 11/16	3/4 45
	w Alternate Intake & Exhaust				
2	Sterling VD				
		Intake T- 723	2 3/8	2.752	7/16 45/R
		Exhaust T- 723	2 3/8	2.752	7/16 45/R
3	VO-60				
		Intake T- 4010	4 47/64	5 1/2	13/16 45
		Exhaust T- 4003	4 3/4	5 5/8	3/4 45
4	BLH T-89-SA 9 X 12 - 4 Cycle Diesel				
		Intake T- 1104	3	3 9/16	.350 ---
		Exhaust T- 1104	3	3 9/16	.350 ---
5	Lima Hamilton 9 X 12 - 4 Cycle Turbo Chg.				
		Intake T- 1020	3	3 9/16	9/16 45
		Exhaust T- 1020	3	3 9/16	9/16 45

BERLIET

		Part No.	ID	OD	Depth	Ang.
1	M420					
		Intake T- 2724	1 13/16	2 5/16	11/32	-/R
		Exhaust T- 1666	1.652	2 1/8	11/32	-/R
2	M635					
		Intake T- 1346	2 1/16	2 1/2	.382	-/R
		Exhaust T- 1665	1.735	2 1/4	3/8	-/R
3	V-835					
		Intake T- 365	1 19/32	1.944	5/16	45
		Exhaust T- 477	1.360	1 3/4	.315	45/R

BMW

		Part No.	ID	OD	Depth	Ang.
1	1600 - Prior To Mid 1971					
1573 cc	1.6 L	Intake T- 525	1 27/64	1 13/16	9/32	-/R
4	1964-71	Exhaust T- 1022	1 1/4	1 9/16	9/32	30/R
2	1600 - After Mid 1971					
1573 cc	1.6 L	Intake T- 2027	1 1/2	1 7/8	.288	45/R
4	1971-90	Exhaust T- 527	1 11/32	1 5/8	.285	45/R
3	SOHC 8 Valve Gas, FI, 320i, 318i, M10					
1766 cc	1.8 L	Intake T- 2027	1 1/2	1 7/8	.288	45/R
4	1980-85	Exhaust T- 527	1 11/32	1 5/8	.285	45/R
4	DOHC 16 Valve Gas, FI, 318i, 318iC, 318iS, M42					
1796 cc	1.8 L	Intake T- 524	1 1/8	1 3/8	.325	45
4	1990-96	Exhaust T- 570	1.045	1 5/16	5/16	45
5	SOHC 8 Valve Gas, Carb, FI 2000, 2002, 320i, M10					
1990 cc	2 L	Intake T- 2027	1 1/2	1 7/8	.288	45/R
4	1975-79	Exhaust T- 527	1 11/32	1 5/8	.285	45/R
6	SOHC 12 Valve Gas, FI 325i,C,S,X, 535i, M20					
2494 cc	2.5 L	Intake T- 1644	1 7/16	1 3/4	.302	45/R
6	1987-93	Exhaust T- 476	1.220	1 1/2	.315	45/R
7	DOHC 24 Valve Gas, FI, 325i, 525i, M50, M50TU					
2494 cc	2.5 L	M52/54B25 Intake T- 524	1 1/8	1 3/8	.325	45
6	1991-06	Exhaust T- 570	1.045	1 5/16	5/16	45
8	SOHC 12 Valve Gas, FI, 325e, 528e, M20					
2693 cc	2.7 L	Alt. Intake Valve 1.570 Intake T- 1644	1 7/16	1 3/4	.302	45/R
6	1982-88	Alt-Int T- 528	1.335	1 11/16	.275	45/R
		Exhaust T- 476	1.220	1 1/2	.315	45/R
		Alt-Exh T- 529	1.182	1 1/2	.275	45/R
		Alt. Exhaust Valve 1.340				

BMW

		Part No.	ID	OD	Depth	Ang.	
9	SOHC 12 Valve Gas, Carb, FI, 528i, 2800cs, M30						
2788 cc	2.8 L		Intake T- 2027	1 1/2	1 7/8	.288	45/R
6	1969-81		Exhaust T- 527	1 11/32	1 5/8	.285	45/R
10	SOHC 12 Valve Gas, Carb, FI, M30						
2985 cc	3 L		Intake T- 2027	1 1/2	1 7/8	.288	45/R
6	1972-77		Exhaust T- 527	1 11/32	1 5/8	.285	45/R
11	DOHC 24 Valve Gas, FI, M3, S50						
2990 cc	3 L		Intake T- 524	1 1/8	1 3/8	.325	45
6	1995-96		Exhaust T- 570	1.045	1 5/16	5/16	45
12	SOHC 12 Valve Gas, FI, M30, 533, 633, 733						
3210 cc	3.2 L		Intake T- 2027	1 1/2	1 7/8	.288	45/R
6	1978-84		Exhaust T- 527	1 11/32	1 5/8	.285	45/R
13	SOHC 12 Valve M6, M30, 535, 635, 735						
3430 cc	3.4 L		Intake T- 2027	1 1/2	1 7/8	.288	45/R
6	1985-89		Exhaust T- 527	1 11/32	1 5/8	.285	45/R
14	SOHC 12 Valve M6, M30, 535, 635, 735						
3430 cc	3.4 L		Intake T- 1668	1.650	1 15/16	5/16	45/R
6	1987-93		Exhaust T- 922	1 9/32	1 5/8	5/16	45/R
15	SOHC 24 valve Gas, FI, M70						
4988 cc	5 L		Intake T- 1644	1 7/16	1 3/4	.302	45/R
12	1988-94		Exhaust T- 351	1.210	1 1/2	.345	45/R
16	DOHC 24 Valve 750, 850						
4988 cc	5 L		Intake T- 1644	1 7/16	1 3/4	.302	45/R
12	1988-94		Exhaust T- 351	1.210	1 1/2	.345	45/R
17	SOHC 24 valve Gas, FI, M73, M73N						
5379 cc	5.4 L		Intake T- 1644	1 7/16	1 3/4	.302	45/R
12	1995-01		Exhaust T- 416	1 3/16	1 1/2	.305	45/R
18	DOHC 48 Valve 750iL, M73						
5400 cc	5.4 L		Intake T- 1644	1 7/16	1 3/4	.302	45/R
12	1995-98		Exhaust T- 416	1 3/16	1 1/2	.305	45/R
19	SOHC 24 Valve Gas, FI, S70						
5576 cc	5.6 L		Intake T- 1644	1 7/16	1 3/4	.302	45/R
12	1994-95		Exhaust T- 416	1 3/16	1 1/2	.305	45/R
20	DOHC 48 Valve 840 CSi						
5576 cc	5.6 L		Intake T- 1644	1 7/16	1 3/4	.302	45/R
12	1994-95		Exhaust T- 416	1 3/16	1 1/2	.305	45/R

BRIGGS & STRATTON

		Part No.	ID	OD	Depth	Ang.
1	14,19,24,191,193,200,231,233,243 eng.					
1	1948-73		Intake T- 221	1 1/8	1 11/32	1/4 45
			Exhaust T- 221	1 1/8	1 11/32	1/4 45
2	100,200,900					
1	1962-73		Intake T- 202	1	1 3/16	7/32 45
			Exhaust T- 129	7/8	1 1/16	3/16 45
3	300 series					
1	1967-73		Intake T- 986	1 1/2	1 3/4	7/32 45
			Exhaust T- 221	1 1/8	1 11/32	1/4 45
4	60000,80000 series, 6B, 8B					
1	1953-73		Intake T- 129	7/8	1 1/16	3/16 45
			Exhaust T- 107	3/4	31/32	7/32 45
5	130,000 140,000 170,000 190,000 series eng.					
1	1959-73	141,000 , 143,000	Intake T- 221	1 1/8	1 11/32	1/4 45
			Exhaust T- 221	1 1/8	1 11/32	1/4 45

BUDA

		Part No.	ID	OD	Depth	Ang.
1	1BD38					
38 ci	0.6 L		Intake T- 952	1 3/8	1 5/8	7/32 45
1	1937-62		Exhaust T- 223	1 1/8	1 3/8	7/32 45
2	2B77,2BD77,2BDMG77 Diesel					
77 ci	1.2 L		Intake T- 952	1 3/8	1 5/8	7/32 45
2	1937-62		Exhaust T- 223	1 1/8	1 3/8	7/32 45
3	G138					
138 ci	2.3 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1937-62		Exhaust T- 227	1 1/8	1 7/16	7/32 45
4	G149					
149 ci	2.4 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1937-62		Exhaust T- 227	1 1/8	1 7/16	7/32 45
5	4B153,4BD153,4BDM153,4BDMG153,4BDMR153,4DME1					
153 ci	2.5 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1937-62		Exhaust T- 223	1 1/8	1 3/8	7/32 45
6	4D153,4DA153 8 Valve					
153 ci	2.5 L		Intake T- 272	1 1/4	1 1/2	1/4 45
4	1963-69		Exhaust T- 370	1 7/32	1 7/16	7/32 45

BUDA

		Part No.	ID	OD	Depth	Ang.
7 4G153 Gas & LPG 8 Valve						
153 ci	2.5 L		Intake T- 929	1 5/16	1 9/16	7/32 45
4	1963-69		Exhaust T- 370	1 7/32	1 7/16	7/32 45
8 H173, HM173						
173 ci	2.8 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1930-58		Exhaust T- 966	1 3/8	1 3/4	7/32 45
9 4B182, 4BD182, 4BDMR182, 4DA182 8 Valve						
182 ci	3 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1937-62		Exhaust T- 223	1 1/8	1 3/8	7/32 45
10 4D186, 4DT186 Diesel						
186 ci	3 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1937-62		Exhaust T- 223	1 1/8	1 3/8	7/32 45
11 4DT196, 4DTM196 Diesel 8 Valve						
196 ci	3.2 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1937-56		Exhaust T- 239	1 3/16	1 7/16	7/32 45
12 H199, HL199, HM199, HP199						
199 ci	3.3 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1930-58		Exhaust T- 966	1 3/8	1 3/4	7/32 45
13 H205, HM205, HM205R, HP205						
205 ci	3.4 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1930-58		Exhaust T- 966	1 3/8	1 3/4	7/32 45
14 4DT212, 4DTM212 8 Valve						
212 ci	3.5 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1937-56		Exhaust T- 239	1 3/16	1 7/16	7/32 45
15 J214, JC214						
214 ci	3.5 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1937-56		Exhaust T- 911	1 1/4	1 5/8	7/32 45
16 H217, HM217, HM217R, HP217						
217 ci	3.6 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1930-58		Exhaust T- 966	1 3/8	1 3/4	7/32 45
17 6BDMR230, 6BD4M230, 6DMR230 12 Valve						
230 ci	3.8 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1937-62		Exhaust T- 223	1 1/8	1 3/8	7/32 45
18 6B230, 6BD230, 6BDM230 12 Valve						
230 ci	3.8 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1937-62		Exhaust T- 223	1 1/8	1 3/8	7/32 45

BUDA

		Part No.	ID	OD	Depth	Ang.
19 6D230,6DA230 12 Valve						
230 ci	3.8 L		Intake T- 272	1 1/4	1 1/2	1/4 45
6	1963-69		Exhaust T- 370	1 7/32	1 7/16	7/32 45
20 6G230 Gas & LPG 12 Valve						
230 ci	3.8 L		Intake T- 929	1 5/16	1 9/16	7/32 45
6	1963-69		Exhaust T- 370	1 7/32	1 7/16	7/32 45
21 HP234						
234 ci	3.8 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1963-69		Exhaust T- 966	1 3/8	1 3/4	7/32 45
22 H260,HM260R,HP260						
260 ci	4.3 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1963-69		Exhaust T- 966	1 3/8	1 3/4	7/32 45
23 6DA273,6DAMR273,D273 12 Valve						
272 ci	4.5 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1953-61		Exhaust T- 272	1 1/4	1 1/2	1/4 45
24 6B273,6BD273,6BDMR273 12 Valve						
273 ci	4.5 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1937-62		Exhaust T- 223	1 1/8	1 3/8	7/32 45
25 6LD275,6LDM275						
275 ci	4.5 L		Intake T- 934	1 5/16	1 5/8	7/32 45
6	1953-61		Exhaust T- 934	1 5/16	1 5/8	7/32 45
26 6DT278 12 Valve						
278 ci	4.6 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1937-56		Exhaust T- 239	1 3/16	1 7/16	7/32 45
27 KT281						
281 ci	4.6 L		Intake T- 308	1 3/4	2 1/8	9/32 45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32 45
28 6DT294 12 Valve						
294 ci	4.8 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1937-56		Exhaust T- 239	1 3/16	1 7/16	7/32 45
			Alt-Exh T- 223	1 1/8	1 3/8	7/32 45
29 298R,H298,HM298,HM298R,HP298MM						
298 ci	4.8 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1937-56		Exhaust T- 966	1 3/8	1 3/4	7/32 45

BUDA

		Part No.	ID	OD	Depth	Ang.	
30	6DT317,6DTM317,6DTMR317 12 Valve						
317 ci	5.2 L		Intake T- 952	1 3/8	1 5/8	7/32	45
6	1937-56		Exhaust T- 239	1 3/16	1 7/16	7/32	45
			Alt-Exh T- 370	1 7/32	1 7/16	7/32	45
31	K325						
325 ci	5.3 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45
32	H326, HM326, HM326R, HP326, HPG326						
326 ci	5.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1931-58		Exhaust T- 966	1 3/8	1 3/4	7/32	45
33	D344						
344 ci	5.6 L		Intake T- 304	1 3/4	2 1/16	9/32	45
4	1954-60		Exhaust T- 1824	1 7/16	1 3/4	5/16	45
34	HD344, HD6 Series Diesel Engine						
344 ci	5.6 L		Intake T- 371	1 11/16	2 3/16	9/32	45
4	1958-60		Exhaust T- 962	1 3/8	1 11/16	1/4	45
35	HP351						
351 ci	5.7 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1958-60		Exhaust T- 966	1 3/8	1 3/4	7/32	45
36	K369, KM369, KM369R						
369 ci	6 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45
37	K381, KM381						
381 ci	6.2 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45
38	K393, KM393, KM393R						
393 ci	6.5 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45
39	K404, KM404						
404 ci	6.6 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45
40	6DT415, 6DTM415 Diesel						
415 ci	6.8 L		Intake T- 1621	1 9/16	1 15/16	1/4	45
6	1939-48		Exhaust T- 960	1 3/8	1 11/16	7/32	45

BUDA

		Part No.	ID	OD	Depth	Ang.	
41	K428,KG428,KM428,KM428R						
428 ci	7 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45
42	6DT468,6DTM468,6DTMR468 Diesel						
468 ci	7.7 L		Intake T- 1621	1 9/16	1 15/16	1/4	45
6	1939-48		Exhaust T- 960	1 3/8	1 11/16	7/32	45
43	6DTS468 Supercharge Diesel						
468 ci	7.7 L		Intake T- 1621	1 9/16	1 15/16	1/4	45
6	1939-48		Exhaust T- 960	1 3/8	1 11/16	7/32	45
44	K468,KM468,L468,LM468,6LD468,6LDM468						
468 ci	7.7 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45
45	HD516 Buda						
516 ci	8.5 L	HD6, HD11	Intake T- 371	1 11/16	2 3/16	9/32	45
6			Exhaust T- 962	1 3/8	1 11/16	1/4	45
46	HD11 Series Diesel,ADS516,D516						
516 ci	8.5 L		Intake T- 304	1 3/4	2 1/16	9/32	45
6	1954-60		Exhaust T- 1824	1 7/16	1 3/4	5/16	45
47	HD516,DTS516,6DAS516						
516 ci	8.5 L		Intake T- 304	1 3/4	2 1/16	9/32	45
6	1954-60		Exhaust T- 1824	1 7/16	1 3/4	5/16	45
48	L525,LG525,LM525,LM525A						
525 ci	8.6 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45
49	6DC844 12 Valve						
844 ci	13.8 L		Intake T- 806	2	2 3/8	9/32	45
6			Exhaust T- 1756	1 7/8	2 1/4	3/8	45
50	JV4,JX4						
4	1931-58		Intake T- 308	1 3/4	2 1/8	9/32	45
			Exhaust T- 1922	1 5/8	2	9/32	45
51	HS,HS6,HS6A Diesel						
4	1931-58		Exhaust T- 1610	1 1/2	1 13/16	1/4	45
52	JV6,JV69,JX6,JX64						
			Intake T- 308	1 3/4	2 1/8	9/32	45
6	1931-58		Exhaust T- 1922	1 5/8	2	9/32	45

BUDA

		Part No.	ID	OD	Depth	Ang.	
53	BA6,BMA6,BMAR6,BU,BUS						
		Intake T- 1755	1 7/8	2 1/4	9/32	45	
		Exhaust T- 308	1 3/4	2 1/8	9/32	45	
54	BBH, BBU, BBU1, BTH, BTU						
4		Exhaust T- 702	2 1/4	2 3/4	5/16	45	
55	DTU, DW6						
6		Exhaust T- 1750	1 13/16	2 1/4	9/32	45	
56	EBU1, ETU, ETU350, EU, M766						
4		Intake T- 1772	1 5/8	2.006	.301	45	
		Exhaust T- 1755	1 7/8	2 1/4	9/32	45	
57	FR,FRB,FRH						
4		Intake T- 1353	2 1/4	2 11/16	5/16	45	
		Exhaust T- 1353	2 1/4	2 11/16	5/16	45	
58	4D23, 6D27, W, WTH, WTU, WU						
6		Exhaust T- 412	2 1/2	3	3/8	30	
59	YR42B						
		Exhaust T- 1317	2 1/8	2 5/8	3/8	45	
60	4D30, 6D30						
4-6		Exhaust T- 503	2 3/4	3 1/4	3/8	45	
61	2M0323, 3M0485, 4M0645, 4M0G645 Gas						
2	1947-58	Intake T- 1337	2 3/16	2 5/8	5/16	45	
		Exhaust T- 310	1 3/4	2 1/8	3/8	30	
62	BM386,BM411,BM411L,6DT909,6DTM909						
	1939-44	6LD909, 6LDM909	Intake T- 1755	1 7/8	2 1/4	9/32	45
			Exhaust T- 308	1 3/4	2 1/8	9/32	45
63	L0525						
6	1947-55	Intake T- 308	1 3/4	2 1/8	9/32	45	
		Exhaust T- 1815	1 1/2	1 7/8	3/8	45	
64	4DC645, 6DA779, Early						
4	1948-56	Intake T- 806	2	2 3/8	9/32	45	
		Exhaust T- 311	1 3/4	2 1/8	3/8	45	

BUDA

		Part No.	ID	OD	Depth	Ang.
65		6M0672, 6M0893, 6M0970, 6M0G970				
6	1947-58	8M01290, 8M0S1290	Intake T- 1341	2 3/16	2 9/16	3/8 45
			Exhaust T- 310	1 3/4	2 1/8	3/8 30
66		JL1335,JL877				
6,8	1947-48		Intake T- 422	2 1/2	3 1/8	3/8 45
			Exhaust T- 613	2 1/2	3	1/2 30
67		6DC1611				
6			Intake T- 1353	2 1/4	2 11/16	5/16 45
			Exhaust T- 808	2	2 3/8	3/8 45
68		6PC, 6PCG, 6PCS1879, 8PC,8PCS2505 Gas				
6	1940-63		Intake T- 412	2 1/2	3	3/8 30
			Exhaust T- 710	2 5/16	2 3/4	5/16 30

CADILLAC

		Part No.	ID	OD	Depth	Ang.
1		1994cc OHV Vin Type B & P incl. Turbo				
121 ci	2 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1983-86		Exhaust T- 370	1 7/32	1 7/16	7/32 45
2		1994cc OHV Vin Type 1 incl. Turbo				
121 ci	2 L		Intake T- 2031	1 1/2	1 13/16	.278 45/R
4	1987-89		Exhaust T- 354	1.260	1 9/16	.280 45/R
3		2835cc OHV Chevrolet - Carb. & F.I. Aluminum Heads				
173 ci	2.8 L		Intake T- 1026	1.460	1 3/4	.275 45/R
6	1980-90		Exhaust T- 548	1.215	1 1/2	.275 45/R
		Alt. Exh. w 1.425 VI. Hd.	Alt-Exh T- 339	1.203	1 1/2	.280 45/R
4		2835cc OHV Chevrolet - Carb. & F.I. Cast Iron				
173 ci	2.8 L	(Cast Iron Heads w 1.600 Intake and 1.307 Exhaust Valve Heads)	Intake T- 981	1 7/16	1 11/16	7/32 45
6	1980-90		Exhaust T- 227	1 1/8	1 7/16	7/32 45
5		2835cc OHV Chevrolet - Carb. & F.I. Cast Iron				
173 ci	2.8 L	(Cast Iron Heads w 1.718 Intake and 1.425 Exhaust Valve Heads)	Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1980-90		Exhaust T- 271	1 1/4	1 1/2	7/32 45
6		OHV 16 Valve Vin 7,8 Cadillac				
250 ci	4.1 L		Intake T- 943	1 11/32	1 5/8	7/32 45
8	1982-88		Exhaust T- 223	1 1/8	1 3/8	7/32 45

CADILLAC

			Part No.	ID	OD	Depth	Ang.
7 OHV Buick							
252 ci	4.1 L		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1980-84		Exhaust T- 964	1 5/16	1 9/16	7/32	45/R
8 4097cc OHV Cadillac							
252 ci	4.1 L		Intake T- 943	1 11/32	1 5/8	7/32	45
8	1982-88		Exhaust T- 223	1 1/8	1 3/8	7/32	45
9 Oldsmobile Diesel (Alum. Head)							
260 ci	4.3 L		Intake T- 1677	1.674	1 15/16	.276	45/R
6	1982-85		Exhaust T- 1026	1.460	1 3/4	.275	45/R
10 Oldsmobile Diesel w EGR (Cast Iron Heads)							
260 ci	4.3 L		Intake T- 1674	1 11/16	1 15/16	7/32	45
6	1982-85		Exhaust T- 983	1 7/16	1 3/4	7/32	45
11 OHV Cadillac 16 Valve							
273 ci	4.5 L		Intake T- 952	1 3/8	1 5/8	7/32	45
8	1988-89		Exhaust T- 223	1 1/8	1 3/8	7/32	45
12 OHV Cadillac 16 Valve							
273 ci	4.5 L		Intake T- 1625	1 5/8	1 13/16	7/32	45
8	1990-92		Exhaust T- 929	1 5/16	1 9/16	7/32	45
13 DOHC 32 Valve "Northstar" Cadillac							
281 ci	4.6 L		Intake T- 658	1.162	1 7/16	.230	45
8	1993-09		Exhaust T- 147	1.042	1 5/16	.238	45
14 OHV Vin Type B, 16 Valve							
300 ci	4.9 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
8	1991-95		Exhaust T- 929	1 5/16	1 9/16	7/32	45
15 Chevrolet - F.I.							
305 ci	5 L	Incl. LPG, Propane, Nat. Gas	Intake T- 1674	1 11/16	1 15/16	7/32	45
8	1985-93	Alt. Int. w 1.750 VI. Hd.	Alt-Int T- 1635	1 1/2	1 13/16	7/32	45/R
			Exhaust T- 929	1 5/16	1 9/16	7/32	45
		Alt. Exh. w 1.500 VI. Hd.	Alt-Exh T- 964	1 5/16	1 9/16	7/32	45/R
16 Chevrolet - F.I. (Alt)							
305 ci	5 L	Incl. LPG, Propane, Nat. Gas	Intake T- 1633	1 11/16	1 15/16	1/4	45
8	1985-93	Alt. Int. w 1.840 VI. Hd., .250 depth	Exhaust T- 964	1 5/16	1 9/16	7/32	45/R
		Alt. Exh. w 1.500 VI. Hd., .218 depth					

CADILLAC

		Part No.	ID	OD	Depth	Ang.
17 OHV Oldsmobile Y						
307 ci	5 L		Intake T- 1620	1 9/16	1 7/8	1/4 45
8	1980-90		Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.502 VI. Hd.	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
18 331						
331 ci	5.4 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1951		Exhaust T- 271	1 1/4	1 1/2	7/32 45
19 OHV Cadillac Vin B Type 8, Type R						
350 ci	5.7 L	Int. w 1.875 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32 45
8	1978-85	Exh. w 1.502 VI. Hd., .250 depth	Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
		Alt. Exh. w 1.624 VI. Hd.	Alt-Exh T- 1519	1 1/2	1 11/16	7/32 45
20 OHV Cadillac Vin B Type 8, Type R (Alt)						
350 ci	5.7 L	Int. w 1.995 VI. Hd., .250 depth	Intake T- 321	1 7/8	2 1/8	1/4 45
8	1978-85	Exh. w 1.562 VI. Hd., .218 depth	Exhaust T- 981	1 7/16	1 11/16	7/32 45
21 Oldsmobile Vin Type N Diesel						
350 ci	5.7 L		Intake T- 301	1 3/4	2	7/32 45
8	1978-85		Exhaust T- 1628	1 7/16	1 11/16	3/16 45
22 Cadillac Vin Type R						
350 ci	5.7 L	Int. w 1.875 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32 45
8	1968-77	Alt. Int. w 1.995 VI. Hd.	Alt-Int T- 321	1 7/8	2 1/8	1/4 45
		Exh. w 1.502 VI. Hd., .250 depth	Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
		Alt. Exh. w 1.562 VI. Hd.	Alt-Exh T- 981	1 7/16	1 11/16	7/32 45
23 Cadillac Vin Type R (Alt)						
350 ci	5.7 L					
8	1968-77	Exh. w 1.624 VI. Hd., .218 depth	Exhaust T- 1519	1 1/2	1 11/16	7/32 45
24 Chevrolet Vin Type 7						
350 ci	5.7 L		Intake T- 1958	1 13/16	2	7/32 45
8	1982-93	Alt. Int. w 2.020 VI. Hd.	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45

CADILLAC

		Part No.	ID	OD	Depth	Ang.
25 Chevrolet Vin Type 7 w Vortex Heads						
350 ci	5.7 L		Intake T- 1958	1 13/16	2	7/32 45
8	1982-93		Exhaust T- 935	1 5/16	1 5/8	1/4 45
26 365						
365 ci	6 L		Intake T- 301	1 3/4	2	7/32 45
8	1958		Exhaust T- 952	1 3/8	1 5/8	7/32 45
27 OHV Cadillac, Carb. & F.I. 16 Valve						
368 ci	6 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
8	1980-84		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
		Alt. Exh. w 1.500 VI. Hd.	Alt-Exh T- 990	1 5/16	1 9/16	1/4 45/R
28 OHV Cadillac						
390 ci	6.4 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1959-63		Exhaust T- 934	1 5/16	1 5/8	7/32 45
29 OHV Cadillac 16 Valve						
425 ci	7 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1977-79		Exhaust T- 986	1 1/2	1 3/4	7/32 45
30 OHV Cadillac						
429 ci	7 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1964-69		Exhaust T- 934	1 5/16	1 5/8	7/32 45
31 OHV Cadillac						
472 ci	7.7 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1968-74		Exhaust T- 986	1 1/2	1 3/4	7/32 45
32 OHV Cadillac						
500 ci	8.2 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1970-76		Exhaust T- 986	1 1/2	1 3/4	7/32 45

CASE TRACTOR & COMBINE

		Part No.	ID	OD	Depth	Ang.
1 12-20, 12-20A, 17-27						
4	1929-56	C, FC, CC, CE, CI, CO, D, DC, DE, DH, DI, DO, DV, HILLSIDE, P, PRAIRIE, W	Intake T- 1613	1 1/2	1 7/8	1/4 45
			Exhaust T- 1613	1 1/2	1 7/8	1/4 45
2 26-40, L Series						
4	1929-56	L, LA, LAE, LAI, LE, LH, LI, LIH, LO	Intake T- 308	1 3/4	2 1/8	9/32 45
			Exhaust T- 308	1 3/4	2 1/8	9/32 45

CASE TRACTOR & COMBINE

		Part No.	ID	OD	Depth	Ang.	
3 120 Combine							
4	1964-69	Alt. for 1000, 1010, 251, 400, 400, 600, 700, 740, 800, 900, 930, 940 Gas, DIST LP	Intake T- 1617	1 9/16	1 13/16	1/4	45
			Exhaust T- 953	1 3/8	1 5/8	1/4	45
4 Continental F-124 8 Valve							
4	124 ci 2 L 1940-56	V, VC, VI, VO, VO Wheel Tractor, GT 25 Crawler Exh. w 1.203 VI. Hd. Alt. Exh. w 1.328 VI. Hd.	Intake T- 952	1 3/8	1 5/8	7/32	45
			Exhaust T- 217	1 1/16	1 3/8	3/16	45
			Alt-Exh T- 239	1 3/16	1 7/16	7/32	45
5 124 Eng. VA Series							
4	124 ci 2 L 1958-60	Alt. using 1 3/8 cutter	Intake T- 370	1 7/32	1 7/16	7/32	45
			Exhaust T- 220	1 3/32	1 11/32	13/64	45
			Alt-Exh T- 569	1 3/32	1 3/8	13/64	45
6 G126 Eng. 8 Valve							
4	126 ci 2.1 L 1958-60	Alt. Exh. For 1 3/8 cutter	Intake T- 239	1 3/16	1 7/16	7/32	45
			Exhaust T- 220	1 3/32	1 11/32	13/64	45
			Alt-Exh T- 569	1 3/32	1 3/8	13/64	45
7 Waukesha FC Engine 8 Valve							
4	133 ci 2.2 L 1958-60	R, RC, RO Series 8-10-12" cut	Intake T- 239	1 3/16	1 7/16	7/32	45
			Exhaust T- 250	1 13/64	1.447	3/16	45
8 G148 8 Valve							
4	148 ci 2.4 L 1958-60	G148B, 470, 480CK before serial #2638706, 300, 300B, 310, 310 Crawler Tractor, 310C, 311, 312, 320, 400B, 410 Series Alt Exh. Using 1 3/8 cutter	Intake T- 238	1 3/16	1 7/16	7/32	30
			Alt-Int T- 271	1 1/4	1 1/2	7/32	45
			Exhaust T- 220	1 3/32	1 11/32	13/64	45
			Alt-Exh T- 569	1 3/32	1 3/8	13/64	45
9 G148B, 470, 480CK eng. After serial #2638706							
4	148 ci 2.4 L 1958-60	Alt. Exh. Using 1 3/8 cutter	Intake T- 271	1 1/4	1 1/2	7/32	45
			Exhaust T- 220	1 3/32	1 11/32	13/64	45
			Alt-Exh T- 569	1 3/32	1 3/8	13/64	45
10 154,154G Eng. 8 Valve Gas							
4	154 ci 2.5 L 1940-56	S, SC, SE, SI, SL, SO Series	Intake T- 271	1 1/4	1 1/2	7/32	45
			Exhaust T- 222	1 1/8	1 3/8	3/16	45

CASE TRACTOR & COMBINE

		Part No.	ID	OD	Depth	Ang.	
11 300 Continental G157, GD157 Diesel Eng. 8 Valve							
157 ci	2.6 L	300 Series	Intake T- 239	1 3/16	1 7/16	7/32	45
4	1940-56		Exhaust T- 214	1 1/16	1 5/16	3/16	45
12 G159 Gas 8 Valve							
159 ci	2.6 L	530, 530CK, 540, 540B, 541, 541C, 570, 570 Wheel Tractor, 580CK Series	Intake T- 271	1 1/4	1 1/2	7/32	45
4	1960-71		Exhaust T- 223	1 1/8	1 3/8	7/32	45
13 G159 LPG Eng. 8 Valve							
159 ci	2.6 L	159, 159B, 159G, G159B Series	Intake T- 271	1 1/4	1 1/2	7/32	45
4	1960-71		Exhaust T- 220	1 3/32	1 11/32	13/64	45
14 G164 Gas & LPG 8 Valve							
164 ci	2.7 L	500B, 510B, 511B, 600B, 610B, 611B Series	Intake T- 929	1 5/16	1 9/16	7/32	45
4	1955-60		Alt-Int T- 924	1 1/4	1 9/16	7/32	45
			Exhaust T- 220	1 3/32	1 11/32	13/64	45
15 Waukesha XA, XH, XHA, XUH							
186 ci	3 L	Eng. A, B, Prairie 8-10-12" Cut	Intake T- 952	1 3/8	1 5/8	7/32	45
4	1955-60		Exhaust T- 952	1 3/8	1 5/8	7/32	45
16 G188 LPG 8 valve							
188 ci	3.1 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4			Exhaust T- 271	1 1/4	1 1/2	7/32	45
17 G188B Gas & LPG 8 Valve							
188 ci	3.1 L	450, 600, 630, 630C, 640, 641, 660, 1050 Crawler, 1150 Combine, W5A Ind. Series	Intake T- 952	1 3/8	1 5/8	7/32	45
4	1957-69		Exhaust T- 272	1 1/4	1 1/2	1/4	45
18 G188D Diesel 8 Valve							
188 ci	3.1 L	430, 430D, 440, 441, 450, 470, 480, 530, 600, 630, 630D, 630D Wheel Tractor, 640, 660, 660 Combine, W3, W5A Series Alt. Int. w 1.600 VI. Hd.	Intake T- 976	1 13/32	1 11/16	1/4	45
4	1960-71		Alt-Int T- 981	1 7/16	1 11/16	7/32	45
			Exhaust T- 271	1 1/4	1 1/2	7/32	45
			Alt-Exh T- 272	1 1/4	1 1/2	1/4	45
19 Continental F209, G610 Crawler Tractor 12 Valve							
208 ci	3.4 L	Exh. w 1.203 VI. Hd. Alt. Exh w 1.328 VI. Hd.	Intake T- 952	1 3/8	1 5/8	7/32	45
6	1958-60		Exhaust T- 217	1 1/16	1 3/8	3/16	45
			Alt-Exh T- 239	1 3/16	1 7/16	7/32	45

CASE TRACTOR & COMBINE

		Part No.	ID	OD	Depth	Ang.
20 390 Cummins B & BT Diesel 8 Valve						
239 ci	3.9 L	390, 4-390, 4T-390 Series	Intake T- 1700	1 1/2	1.853	.273 30/R
4	1958-60	Alt. Int. & Exh w/o OEM insert	Alt-Int T- 1612	1 1/2	1 7/8	7/32 45
			Exhaust T- 1171	1.357	1.722	.265 45/R
			Alt-Exh T- 966	1 3/8	1 3/4	7/32 45
21 251 Gas 8 Valve						
251 ci	4.1 L	Dist LP. 120 Combine, 301, 400, 600, 700, 740, 800, 900, 930, 940 Series	Intake T- 1617	1 9/16	1 13/16	1/4 45
4	1956-60		Exhaust T- 953	1 3/8	1 5/8	1/4 45
22 A251, A251S Gas, LPG Engine						
251 ci	4.1 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1955-68		Exhaust T- 953	1 3/8	1 5/8	1/4 45
23 251D Diesel Eng. 8 Valve						
251 ci	4.1 L	400, 400 Wheel Tractor, 500, 600, 900	Intake T- 952	1 3/8	1 5/8	7/32 45
4	1954-59		Exhaust T- 272	1 1/4	1 1/2	1/4 45
		Alt. Exh. w 1.380 VI. Hd.	Alt-Exh T- 271	1 1/4	1 1/2	7/32 45
24 207 Diesel 8 Valve						
207 ci	4.3 L		Intake T- 976	1 13/32	1 11/16	1/4 45
4			Exhaust T- 271	1 1/4	1 1/2	7/32 45
25 Continental 260, HD260 Eng. 8 Valve						
260 ci	4.3 L	C, D Series	Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1955-68		Exhaust T- 1610	1 1/2	1 13/16	1/4 45
26 267D, A267, A267D Diesel Eng. 8 Valve						
267 ci	4.4 L	700B, 730, 740, 800B, 1000 Series	Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1959-73		Exhaust T- 1821	1 11/32	1 5/8	5/16 45
27 267D, A377, 400 Diesel & Super Diesel Series						
267 ci	4.4 L		Intake T- 960	1 3/8	1 11/16	7/32 45
4	1956-58	Alternate Intake	Alt-Int T- 1617	1 9/16	1 13/16	1/4 45
			Exhaust T- 272	1 1/4	1 1/2	1/4 45
28 Continental H 277 Eng., G810 Crawler Tractor						
277 ci	4.5 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1958-60		Exhaust T- 935	1 5/16	1 5/8	1/4 45

CASE TRACTOR & COMBINE

		Part No.	ID	OD	Depth	Ang.
29	284, 284B, A284G, A284LP, A284S Gas & LPG					
284 ci	4.7 L	830, 840, 1000 Series Combine	Intake T- 1620	1 9/16	1 7/8	1/4 45
4	1960-70		Exhaust T- 1610	1 1/2	1 13/16	1/4 45
30	301 8 Valve					
301 ci	4.9 L	301B, 301BG, 301D, A301, A301BD, A301D, A301DF Diesel, 830, 840, 1000 Combine Series	Intake T- 1633	1 11/16	1 15/16	1/4 45
4	1960-71		Exhaust T- 1824	1 7/16	1 3/4	5/16 45
31	301BD Diesel Eng. 12 Valve					
301 ci	4.9 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
4	1966-71		Exhaust T- 1803	1 3/8	1 3/4	5/16 45
32	A336BD Turbo Diesel 8 Valve					
336 ci	5.5 L		Intake T- 2852	1 13/16	2 1/16	7/32 45
4			Alt-Int T- 2878	1.782	2.100	.267 30
			Exhaust T- 2877	1.574	1.946	.315 45
33	590 Cummins B Diesel & Turbo Diesel					
359 ci	5.9 L	590, 6-590, 6T-590 Series	Intake T- 1700	1 1/2	1.853	.273 30/R
6	1966-71		Exhaust T- 1171	1.357	1.722	.265 45/R
34	Cummins B & BT Diesel 12 valve					
359 ci	5.9 L	Int. OEM #3925177, 3906854 Exh. OEM #3925176 Alt. Int. & Exh w/o Oem inserts	Intake T- 1700	1 1/2	1.853	.273 30/R
6			Alt-Int T- 1612	1 1/2	1 7/8	7/32 45
			Exhaust T- 1171	1.357	1.722	.265 45/R
			Alt-Exh T- 966	1 3/8	1 3/4	7/32 45
35	377, A377, A377S Gas, LPG 12 Valve					
377 ci	6.2 L	600, 900 Series	Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1955-68		Exhaust T- 953	1 3/8	1 5/8	1/4 45
36	377 Diesel Eng. 12 Valve					
377 ci	6.2 L	400, 500, 600, 900 Series	Intake T- 952	1 3/8	1 5/8	7/32 45
6	1955-68		Exhaust T- 272	1 1/4	1 1/2	1/4 45
37	A377 Diesel					
377 ci	6.2 L		Intake T- 960	1 3/8	1 11/16	7/32 45
6	1953-60		Exhaust T- 272	1 1/4	1 1/2	1/4 45
38	Continental JD382 Eng.					
382 ci	6.3 L	G810 Series	Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1958-60		Exhaust T- 935	1 5/16	1 5/8	1/4 45

CASE TRACTOR & COMBINE

		Part No.	ID	OD	Depth	Ang.
39 Continental JD382						
382 ci	6.3 L	1000, 1010 Series Crawler Tractor	Intake T- 1617	1 9/16	1 13/16	1/4 45
4	1958-69		Exhaust T- 952	1 3/8	1 5/8	7/32 45
40 401						
401 ci	6.6 L	401B, 401BD, 401BDT, 401D, 401DT, A401BD, A401D Diesel, 930, 940 Series	Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1960-71		Exhaust T- 1821	1 11/32	1 5/8	5/16 45
41 451						
451 ci	7.4 L	451B, 451BD, 451BDT, 451D, 451DT, A451D Diesel & Turbo Diesel	Intake T- 1633	1 11/16	1 15/16	1/4 45
6	1960-71		Exhaust T- 1803	1 3/8	1 3/4	5/16 45
42 A504BD Diesel 12 Valve						
504 ci	8.3 L		Intake T- 2852	1 13/16	2 1/16	7/32 45
6			Alt-Int T- 2878	1.782	2.100	.267 30
			Exhaust T- 2877	1.574	1.946	.315 45
43 A504BDT Turbo Diesel 12 Valve						
504 ci	8.3 L		Intake T- 2852	1 13/16	2 1/16	7/32 45
6	1970-71		Alt-Int T- 2878	1.782	2.100	.267 30
			Exhaust T- 2877	1.574	1.946	.315 45
44 504D						
6	1970-71		Exhaust T- 365	1 19/32	1.944	5/16 45
45 Cummins 6CT 6CTA Diesel						
505 ci	8.3 L	Int. OEM #3924582 Alt. Int. & Exh. With 20° (H-series) Exh. OEM #2904716	Intake T- 2036	1 3/4	2.1295	.306 30
6			Alt-Int H- 2036	1 3/4	2.1295	.306 20/R
			Exhaust T- 2063	1 9/16	1.8575	.229 45
			Alt-Exh H- 2063	1 9/16	1.8575	.229 20
46 Cummins LTA10						
611 ci	10 L	OEM #3028070	Intake T- 2055	1.520	1.812	.200 30
6			Exhaust T- 2055	1.520	1.812	.200 30
47 Cummins NTA 855 Series BC 111						
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6			Exhaust T- 1965	1 11/16	2	9/32 30

CATERPILLAR

			Part No.	ID	OD	Depth	Ang.
1 PU Gas							
4	1932-41		Intake T- 1737	1 3/4	2 1/4	9/32	45
			Exhaust T- 1737	1 3/4	2 1/4	9/32	45
2 B-Series 8 Valve							
125 ci	2 L	1B,B,BE,B15 ENGINES	Intake T- 271	1 1/4	1 1/2	7/32	45
4		B,C,CA,RC TRACTORS	Exhaust T- 222	1 1/8	1 3/8	3/16	45
3 D2 Tractor							
4			Intake T- 934	1 5/16	1 5/8	7/32	45
			Exhaust T- 911	1 1/4	1 5/8	7/32	45
4 R2							
4	1934-41	Gas Grader 77-66-44-800G	Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 1604	1 7/16	1 7/8	1/4	45
5 D4							
4	1933-47		Intake T- 1905	1 9/16	2	1/4	45
			Exhaust T- 1613	1 1/2	1 7/8	1/4	45
6 D4 - 1947 And Later							
4			Intake T- 307	1 3/4	2 1/8	9/32	30
			Exhaust T- 1620	1 9/16	1 7/8	1/4	45
7 D4 - Head # 1M2967							
4		Exh. OEM #8L3865	Intake T- 1743	1 3/4	2	7/16	45
			Exhaust T- 1765	1 9/16	1 7/8	7/16	45
8 D4 Grader - Casting # 8H8805							
4	1960-73		Intake T- 1817	1 1/2	1.795	3/8	30/R
			Exhaust T- 1808	1 3/8	1.670	3/8	45/R
9 D4 Tractor							
350 ci	5.7 L		Intake T- 1749	1 13/16	2 1/4	1/4	45
4			Exhaust T- 1921	1 5/8	2	1/4	45
10 D4C, D, F, D300							
350 ci	5.7 L		Intake T- 1749	1 13/16	2 1/4	1/4	45
4			Exhaust T- 1921	1 5/8	2	1/4	45
11 R4 Grader							
4			Intake T- 1754	1 7/8	2 1/4	9/32	30
			Exhaust T- 1906	1.600	2	9/32	30

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
12	RD4					
	Alternate Intake & Exhaust	Intake T- 1754	1 7/8	2 1/4	9/32	30
		Alt-Int T- 1905	1 9/16	2	1/4	45
		Exhaust T- 1906	1.600	2	9/32	30
		Alt-Exh T- 1613	1 1/2	1 7/8	1/4	45
13	D5 - 1947 And Later					
4		Intake T- 307	1 3/4	2 1/8	9/32	30
		Exhaust T- 1620	1 9/16	1 7/8	1/4	45
14	R5 Gas					
4	1932-41	Intake T- 1737	1 3/4	2 1/4	9/32	45
		Exhaust T- 1737	1 3/4	2 1/4	9/32	45
15	D6					
	Alternate Intake & Exhaust	Intake T- 1305	2 1/16	2 1/2	1/4	45
		Alt-Int T- 1905	1 9/16	2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
		Alt-Exh T- 1613	1 1/2	1 7/8	1/4	45
16	D6 - 1947 And Later					
4		Intake T- 307	1 3/4	2 1/8	9/32	30
		Exhaust T- 1620	1 9/16	1 7/8	1/4	45
17	D6 - Head # 1H7659, Casting # 7F7878					
4		Intake T- 2851	1 13/16	2 1/8	3/8	45
		Exhaust T- 2850	1 5/8	1 7/8	3/8	45
18	D6 - Head # 1M2967					
4	Exh. OEM #8L3865	Intake T- 1743	1 3/4	2	7/16	45
		Exhaust T- 1765	1 9/16	1 7/8	7/16	45
19	D6 Tractor, D6B, D6F					
525 ci	8.6 L		Intake T- 1749	1 13/16	2 1/4	1/4
6	1947-60					
20	RD6					
4	1933-60	Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
21	C7, 3126B 18 valve					
442 ci	7.2 L	Int. OEM #1559504, 2175213	Intake T- 2772	1.410	1.656	.258
6		Exh. OEM #1478218	Exhaust T- 2773	1.550	1.814	.240

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
22	D7					
		Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
23	RD7					
4	1933-60	Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
24	D8 Early					
6	1933-60	Intake T- 1303	2 1/16	2 7/16	5/16	30
		Exhaust T- 811	2	2 7/16	7/16	45
25	D8 Late					
	1947-73	Int. OEM #9M8745				
		Exh. OEM #8M9810				
		Intake T- 835	2 1/16	2 1/2	1/2	45/R
		Exhaust T- 814	2	2 1/2	1/2	45
26	D8 Pusher					
	1947-73	Int. OEM #9M8745				
		Exh. OEM #8M9810				
6,12		Intake T- 835	2 1/16	2 1/2	1/2	45/R
		Exhaust T- 814	2	2 1/2	1/2	45
27	D8 12 Valve					
1246 ci	20.4 L	Int. OEM #9M8745				
6		Exh. OEM #8M9810				
		Intake T- 835	2 1/16	2 1/2	1/2	45/R
		Exhaust T- 814	2	2 1/2	1/2	45
28	RD8					
6	1933-60	Intake T- 1303	2 1/16	2 7/16	5/16	30
		Exhaust T- 811	2	2 7/16	7/16	45
29	RS					
	1932-41	Intake T- 1337	2 3/16	2 5/8	5/16	45
		Exhaust T- 1310	2 1/16	2 5/8	5/16	45
30	C9 24 Valve Turbo					
537 ci	8.8 L	Int. OEM #2418388				
6		Exh. OEM #2128917				
		Alt. Exh OEM #2128918				
		for 1.417 VI. Hd.				
		Intake T- 2418	1.335	1.577	.219	30/R
		Exhaust H- 2419	1.218	1.479	.256	45/R
		Alt-Exh T- 2459	1.200	1.459	.217	
31	D9 - Head # 4H9950					
6	1951-60	Intake T- 707	2 9/32	2.574	1/2	30/R
		Exhaust T- 845	2 1/8	2.418	1/2	30/R
32	D9 - Head # 4H9950 (Alt)					
	1951-60	Straight Wall Inserts				
6		Intake T- 743	2 9/32	2 5/8	1/2	30
		Exhaust T- 847	2 1/8	2 1/2	1/2	30

CATERPILLAR

			Part No.	ID	OD	Depth	Ang.
33	D9 12 Valve						
1473 ci	24.1 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8	30/R
6	1961-73	Exh. OEM #8M4014	Exhaust T- 2020	2 1/8	2.435	5/8	30/R
34	D9 12 Valve (Alt)						
1473 ci	24.1 L	Alt. Oversize Inserts	Intake T- 2041	2 9/32	2 5/8	5/8	30/R
6	1961-73		Exhaust T- 2051	2 1/8	2 1/2	5/8	30/R
35	D9 12 Valve Natural Gas						
1473 ci	24.1 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8	30/R
6	1961-73	Exh. OEM #1S5738, 7C5900	Exhaust T- 2009	2 1/8	2.435	5/8	30
36	10 Patrol Gas						
4			Intake T- 1754	1 7/8	2 1/4	9/32	30
			Exhaust T- 1906	1.600	2	9/32	30
37	NO. 10						
4	1928-34		Intake T- 937	1 5/16	1 11/16	7/32	45
			Exhaust T- 937	1 5/16	1 11/16	7/32	45
38	10 Auto Patrol						
4	1932-41		Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 984	1 7/16	1 3/4	1/4	45
39	C10 24 Valve						
629 ci	10.3 L	Int. OEM #4N5893, 1799454	Intake T- 1897	1 17/32	1.815	.365	30/R
6		Exh. OEM #7W5554, 1336997, 1799453	Exhaust T- 1090	1 13/32	1.711	3/8	45/R
40	DW10 - Early						
4	1933-47		Intake T- 1905	1 9/16	2	1/4	45
			Exhaust T- 1613	1 1/2	1 7/8	1/4	45
41	DW10 - 1947 & Later						
4			Intake T- 1749	1 13/16	2 1/4	1/4	45
			Exhaust T- 1922	1 5/8	2	9/32	45
42	C11 24 Valve Turbo Diesel						
677 ci	11.1 L	Int. OEM #2604855, 2242410	Intake T- 4792	1.540	1.792	.257	30
6		Exh. OEM #2241270	Exhaust T- 4669	1.420	1.669	.276	30
43	11 Patrol						
4	1932-41		Intake T- 1337	2 3/16	2 5/8	5/16	45
			Exhaust T- 1310	2 1/16	2 5/8	5/16	45
44	11A						
6	1933-60		Intake T- 1303	2 1/16	2 7/16	5/16	30
			Exhaust T- 811	2	2 7/16	7/16	45

CATERPILLAR

			Part No.	ID	OD	Depth	Ang.
45			12 Motor Grader - Early				
4	1933-47		Intake T- 1905	1 9/16	2	1/4	45
			Exhaust T- 1613	1 1/2	1 7/8	1/4	45
46			12 Motor Grader - Late				
4	1947-60		Intake T- 1749	1 13/16	2 1/4	1/4	45
			Exhaust T- 1921	1 5/8	2	1/4	45
47			C12 24 Valve				
732 ci	12 L	Int. OEM #4N5893, 1799454	Intake T- 1897	1 17/32	1.815	.365	30/R
6		Exh. OEM #7W5554, 1799453, 1336997	Exhaust T- 1090	1 13/32	1.711	3/8	45/R
48			C13 24 Valve Turbo Diesel				
763 ci	12.5 L	Int. OEM #2604855, 2242410	Intake T- 4792	1.540	1.792	.257	30
6		Exh. OEM #2241270	Exhaust T- 4669	1.420	1.669	.276	30
49			13A				
4	1947-73	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2	45/R
		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2	45
50			14A				
	1947-73	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2	45/R
		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2	45
51			NO. 15				
4	1928-34		Intake T- 937	1 5/16	1 11/16	7/32	45
			Exhaust T- 937	1 5/16	1 11/16	7/32	45
52			NO. 15 12-15 Cut Model				
4	1928-34		Intake T- 1826	1 3/8	1 13/16	7/32	45
			Exhaust T- 1826	1 3/8	1 13/16	7/32	45
53			NO. 15 Hillside Prairie				
4	1928-34		Intake T- 1826	1 3/8	1 13/16	7/32	45
			Exhaust T- 1826	1 3/8	1 13/16	7/32	45
54			15A				
	1947-73	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2	45/R
		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2	45
55			C15 Series FSE				
893 ci	14.6 L	Int. OEM #2243983	Intake H- 2594	1.610	1.890	.3065	30
6		Exh. OEM #2265561, 1527582	Exhaust X- 2586	1.437	1.6865	.365	45/R
56			C16 24 Valve				
964 ci	15.8 L	Int. OEM #2243983	Intake H- 2594	1.610	1.890	.3065	30
6		Exh. OEM #2265561, 1527582	Exhaust X- 2586	1.437	1.6865	.365	45/R

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		Part No.	ID	OD	Depth	Ang.
57	C18 24 Valve					
1106 ci	18.1 L	Int. OEM #2243983	Intake H- 2594	1.610	1.890	.3065 30
6		Exh. OEM #2265561, 1527582	Exhaust X- 2586	1.437	1.6865	.365 45/R
58	NO. 20					
4	1928-34		Intake T- 1826	1 3/8	1 13/16	7/32 45
			Exhaust T- 1826	1 3/8	1 13/16	7/32 45
59	22					
	1934-41		Intake T- 1922	1 5/8	2	9/32 45
			Exhaust T- 1604	1 7/16	1 7/8	1/4 45
60	24					
4	1947-73	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2 45/R
		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2 45
61	28					
4	1932-41		Intake T- 1922	1 5/8	2	9/32 45
			Exhaust T- 984	1 7/16	1 3/4	1/4 45
62	30 Gas					
4	1932-41		Intake T- 1737	1 3/4	2 1/4	9/32 45
			Exhaust T- 1737	1 3/4	2 1/4	9/32 45
63	30 Grader					
4			Intake T- 1754	1 7/8	2 1/4	9/32 30
			Exhaust T- 1906	1.600	2	9/32 30
64	Combine 34					
	1928-34		Intake T- 1826	1 3/8	1 13/16	7/32 45
			Exhaust T- 1826	1 3/8	1 13/16	7/32 45
65	35 Gas					
4	1932-41		Intake T- 1737	1 3/4	2 1/4	9/32 45
			Exhaust T- 1737	1 3/4	2 1/4	9/32 45
66	40 Gas					
4	1932-41		Intake T- 1737	1 3/4	2 1/4	9/32 45
			Exhaust T- 1737	1 3/4	2 1/4	9/32 45
67	40 Diesel					
6	1933-60		Intake T- 1303	2 1/16	2 7/16	5/16 30
			Exhaust T- 811	2	2 7/16	7/16 45

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
68	42 Grader					
4	Alternate Intake & Exhaust	Intake T- 1754	1 7/8	2 1/4	9/32	30
		Alt-Int T- 1905	1 9/16	2	1/4	45
		Exhaust T- 1906	1.600	2	9/32	30
		Alt-Exh T- 1613	1 1/2	1 7/8	1/4	45
69	48 Grader					
4	1933-47	Intake T- 1905	1 9/16	2	1/4	45
		Exhaust T- 1613	1 1/2	1 7/8	1/4	45
70	DA 48 Elevation Grader (4699G 6 cyl)					
6		Intake T- 1754	1 7/8	2 1/4	9/32	30
		Exhaust T- 1906	1.600	2	9/32	30
71	50 Gas					
4	1932-41	Intake T- 1337	2 3/16	2 5/8	5/16	45
		Exhaust T- 1310	2 1/16	2 5/8	5/16	45
72	50 Diesel					
		Intake T- 1303	2 1/16	2 7/16	5/16	30
		Exhaust T- 811	2	2 7/16	7/16	45
73	60 Gas					
4	1932-41	Intake T- 2410	2 7/16	3 1/8	3/8	45
		Exhaust T- 2410	2 7/16	3 1/8	3/8	45
74	65 Gas					
4	1932-41	Intake T- 2410	2 7/16	3 1/8	3/8	45
		Exhaust T- 2410	2 7/16	3 1/8	3/8	45
75	D65					
		Intake T- 611	2 7/16	2 7/8	3/8	45
		Exhaust T- 611	2 7/16	2 7/8	3/8	45
76	70 Gas					
4	1932-41	Intake T- 2410	2 7/16	3 1/8	3/8	45
		Exhaust T- 2410	2 7/16	3 1/8	3/8	45
77	D70					
		Intake T- 611	2 7/16	2 7/8	3/8	45
		Exhaust T- 611	2 7/16	2 7/8	3/8	45
78	75 Diesel					
		Intake T- 1303	2 1/16	2 7/16	5/16	30
		Exhaust T- 811	2	2 7/16	7/16	45

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
79	D75					
		Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
80	112MG					
4	1933-47	Intake T- 1905	1 9/16	2	1/4	45
		Exhaust T- 1613	1 1/2	1 7/8	1/4	45
81	1835cc OHV Vin Type G (Cast Iron Head)					
112 ci	1.8 L	Intake T- 981	1 7/16	1 11/16	7/32	45
4	1982	Exhaust T- 370	1 7/32	1 7/16	7/32	45
82	112-120 Series Motor Grader					
350 ci	5.7 L	Intake T- 1749	1 13/16	2 1/4	1/4	45
4		Exhaust T- 1921	1 5/8	2	1/4	45
83	212MG Grader 77-66-44-800G					
4	1934-41	Intake T- 1922	1 5/8	2	9/32	45
		Exhaust T- 1604	1 7/16	1 7/8	1/4	45
84	212 Motor Grader - Early					
4	1947-58	Intake T- 984	1 7/16	1 3/4	1/4	45
		Exhaust T- 984	1 7/16	1 3/4	1/4	45
85	212 Motor Grader - Late					
4		Intake T- 934	1 5/16	1 5/8	7/32	45
		Exhaust T- 911	1 1/4	1 5/8	7/32	45
86	D311 Early					
4	1947-58	Intake T- 984	1 7/16	1 3/4	1/4	45
		Exhaust T- 984	1 7/16	1 3/4	1/4	45
87	D311 Late					
4	1960-73	Intake T- 1817	1 1/2	1.795	3/8	30/R
		Exhaust T- 1808	1 3/8	1.670	3/8	45/R
88	D311-H					
4		Intake T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 982	1 7/16	1 11/16	1/4	45
89	D312 8 Valve					
350 ci	5.7 L	Int. OEM #5S7221				
4		Exh. OEM #9M6495				
		Intake T- 1722	1 11/16	2	7/16	30/R
		Exhaust T- 1718	1 9/16	1 7/8	7/16	30/R
90	D315 8 Valve					
350 ci	5.7 L	Int. OEM #2N8943				
4		Exh. OEM#9N2837				
		Intake T- 1980	1.866	2.150	.292	30
		Exhaust T- 1979	1 5/8	1.912	.284	45

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
91 D315G 8 Valve						
350 ci	5.7 L	Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292 30
4		Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284 45
92 D318						
4	1947-60		Intake T- 1749	1 13/16	2 1/4	1/4 45
			Exhaust T- 1921	1 5/8	2	1/4 45
93 D318 - Late						
		Int. OEM #5S7218	Intake T- 2714	1 13/16	2 1/8	7/16 30/R
		Exh. OEM #5S7221	Exhaust T- 1722	1 11/16	2	7/16 30/R
94 D318 - (Head# 7H-9853R, 944, 955 Tracavator)						
4,6	1960-73	Int. OEM #5S7221	Intake T- 1722	1 11/16	2	7/16 30/R
		Alt. 1/16" Oversized Inserts	Alt-Int T- 2832	1 11/16	2 1/16	7/16 30/R
		Exh. OEM #9M6495	Exhaust T- 1718	1 9/16	1 7/8	7/16 30/R
			Alt-Exh T- 1671	1 9/16	1 15/16	7/16 30/R
95 D318 LPG & Natural Gas						
525 ci	8.6 L		Intake T- 1749	1 13/16	2 1/4	1/4 45
6			Exhaust T- 1921	1 5/8	2	1/4 45
96 D318 12 Valve Diesel						
525 ci	8.6 L	Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292 30
6		Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284 45
97 D318G 12 Valve Diesel						
525 ci	8.6 L	Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292 30
6		Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284 45
98 L318 - Head # 1H7659, Casting # 7F7878						
4			Intake T- 2851	1 13/16	2 1/8	3/8 45
			Exhaust T- 2850	1 5/8	1 7/8	3/8 45
99 D320						
4	1960-73		Intake T- 1817	1 1/2	1.795	3/8 30/R
			Exhaust T- 1808	1 3/8	1.670	3/8 45/R
100 D321 Diesel						
4	1933-47		Intake T- 1905	1 9/16	2	1/4 45
			Exhaust T- 1613	1 1/2	1 7/8	1/4 45
101 D326 Head# 2H3349						
6	1956-63	(DW-20, DW-21)	Intake T- 1757	1 7/8	2 5/16	7/16 30/R
			Exhaust T- 1728	1 11/16	2 1/8	7/16 30/R

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
102	D326 (Head 5H8418, 5H8505, 5H4232)					
1956-63	Exh. OEM #5S7221	Intake T- 1752	1 7/8	2 3/16	7/16	30/R
		Exhaust T- 1722	1 11/16	2	7/16	30/R
103	D330 8 Valve					
350 ci 4	5.7 L Int. OEM #5S7221 Alt. Intake & Exhaust Exh. OEM #9M6495	Intake T- 1722	1 11/16	2	7/16	30/R
		Alt-Int T- 2832	1 11/16	2 1/16	7/16	30/R
		Exhaust T- 1718	1 9/16	1 7/8	7/16	30/R
		Alt-Exh T- 1671	1 9/16	1 15/16	7/16	30/R
104	D330A 8 Valve					
350 ci 4	5.7 L Int. OEM #5S7221 Exh. OEM #9M6495	Intake T- 1722	1 11/16	2	7/16	30/R
		Exhaust T- 1718	1 9/16	1 7/8	7/16	30/R
105	D330B 8 Valve					
350 ci 4	5.7 L Int. OEM #5S7221 Exh. OEM #9M6495	Intake T- 1722	1 11/16	2	7/16	30/R
		Exhaust T- 1718	1 9/16	1 7/8	7/16	30/R
106	D330C 8 Valve Diesel					
425 ci 4	7 L Int. OEM #5S7218 Exh. OEM #5S7221	Intake T- 2714	1 13/16	2 1/8	7/16	30/R
		Exhaust T- 1722	1 11/16	2	7/16	30/R
107	D330C 8 Valve Natural Gas					
425 ci 6	7 L Int. OEM #5S7218 Exh. OEM #7N1649	Intake T- 2714	1 13/16	2 1/8	7/16	30/R
		Exhaust T- 1721	1 11/16	2	7/16	45
108	D333					
525 ci 6	8.6 L LPG, Nat. Gas, Diesel & Turbo Diesel Int. OEM #5S7221 Exh. OEM #9M6495 Alt. 1/16" Oversized Inserts	Intake T- 1722	1 11/16	2	7/16	30/R
		Alt-Int T- 2832	1 11/16	2 1/16	7/16	30/R
		Exhaust T- 1718	1 9/16	1 7/8	7/16	30/R
		Alt-Exh T- 1671	1 9/16	1 15/16	7/16	30/R
109	D333A 12 Valve					
525 ci 6	8.6 L LPG, Nat. Gas, Diesel & Turbo Diesel Int. OEM #5S7221 Exh. OEM #9M6495 Alt 1/16" Oversized Inserts	Intake T- 1722	1 11/16	2	7/16	30/R
		Alt-Int T- 2832	1 11/16	2 1/16	7/16	30/R
		Exhaust T- 1718	1 9/16	1 7/8	7/16	30/R
		Alt-Exh T- 1671	1 9/16	1 15/16	7/16	30/R
110	D333C 12 Valve					
638 ci 6	10.5 L Int. OEM #5S7218 Exh. OEM #5S7221	Intake T- 2714	1 13/16	2 1/8	7/16	30/R
		Exhaust T- 1722	1 11/16	2	7/16	30/R

CATERPILLAR

			Part No.	ID	OD	Depth	Ang.
111 G333							
		Int. OEM #5S7221	Intake T- 1722	1 11/16	2	7/16	30/R
			Exhaust T- 2839	1 9/16	1 7/8	29/64	---
112 D334 12 Valve Diesel							
638 ci	10.5 L	Int. OEM #1S2894	Intake T- 1871	1 1/4	1 1/2	11/32	45
8		Exh. OEM #1S2895	Exhaust T- 1870	1 7/32	1 7/16	11/32	45
113 D335 Eng. No. 14 Grader							
6	1960-69	Alt. Int. OEM #5S7221	Intake T- 1775	1 3/4	2.044	7/16	45/R
			Alt-Int T- 1722	1 11/16	2	7/16	30/R
			Exhaust T- 1776	1 9/16	1.855	7/16	45/R
			Alt-Exh T- 2826	1 35/64	1 7/8	7/16	---
114 D336							
636 ci	10.4 L	Int. OEM #1S2894	Intake T- 1871	1 1/4	1 1/2	11/32	45
8		Exh. OEM #1S2895	Exhaust T- 1870	1 7/32	1 7/16	11/32	45
115 D336 Diesel							
700 ci	11.5 L	Int. OEM #1S2894	Intake T- 1871	1 1/4	1 1/2	11/32	45
8		Exh. OEM #1S2895	Exhaust T- 1870	1 7/32	1 7/16	11/32	45
116 D337 Head # 2H3349							
6	1956-63		Intake T- 1757	1 7/8	2 5/16	7/16	30/R
			Exhaust T- 1728	1 11/16	2 1/8	7/16	30/R
117 D337 Head # 5H4232							
6	1956-63		Intake T- 1752	1 7/8	2 3/16	7/16	30/R
		Exh. OEM #5S7221/1W5321	Alt-Int T- 2830	1 7/8	2 3/16	29/64	30/R
			Exhaust T- 1722	1 11/16	2	7/16	30/R
			Alt-Exh T- 2810	1 11/16	2	29/64	30/R
118 D337 Head # 5H5811							
6	1957-63		Intake T- 2705	1 7/8	2.167	7/16	30/R
			Exhaust T- 2805	1 11/16	1.980	7/16	30/R
119 D337 Head #'s 5H8418, 5H8505							
6	1956-63		Intake T- 1752	1 7/8	2 3/16	7/16	30/R
		Exh. OEM #5S7221/1W5321	Alt-Int T- 2830	1 7/8	2 3/16	29/64	30/R
			Exhaust T- 1722	1 11/16	2	7/16	30/R
			Alt-Exh T- 2810	1 11/16	2	29/64	30/R

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
120		D337F Head # 7M150				
6	1957-63		Intake T- 2705	1 7/8	2.167	7/16 30/R
			Exhaust T- 2805	1 11/16	1.980	7/16 30/R
121		D339				
4	831 ci 13.6 L	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2 45/R
		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2 45
122		D342, G342 12 Valve				
6	1246 ci 20.4 L 1947-53	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2 45/R
		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2 45
123		D343 Diesel				
6	893 ci 14.6 L		Intake T- 1845	1 9/16	1 13/16	3/8 30/R
			Exhaust T- 1846	1 7/16	1 11/16	3/8 30/R
124		D343 24 Valve				
6	893 ci 14.6 L		Intake T- 1993	1 9/16	1 13/16	.365 30/R
		Exh. OEM #4S8902	Exhaust T- 1994	1 7/16	1 11/16	.365 45/R
125		D343 Gas				
6	893 ci 14.6 L		Intake T- 1866	1 9/16	1 13/16	3/8 30
			Exhaust T- 1865	1 7/16	1 11/16	3/8 45
126		D343 OEM				
6	893 ci 14.6 L	Int. OEM #9M3205	Intake T- 1881	1 9/16	1.813	.365 30/R
		Exh. OEM #1W5283	Exhaust T- 1882	1 7/16	1.688	.365 30/R
127		D343-A				
6	1960-73	Alternate Intake & Exhaust Straight I. D.	Intake T- 1845	1 9/16	1 13/16	3/8 30/R
			Alt-Int T- 1866	1 9/16	1 13/16	3/8 30
			Exhaust T- 1846	1 7/16	1 11/16	3/8 30/R
			Alt-Exh T- 1865	1 7/16	1 11/16	3/8 45
128		D346 Diesel				
8	1191 ci 19.5 L	Alternate Intake & Exhaust	Intake T- 1845	1 9/16	1 13/16	3/8 30/R
			Alt-Int T- 1993	1 9/16	1 13/16	.365 30/R
			Exhaust T- 1846	1 7/16	1 11/16	3/8 30/R
			Alt-Exh T- 1994	1 7/16	1 11/16	.365 45/R
129		D346 Gas				
8	1191 ci 19.5 L		Intake T- 1866	1 9/16	1 13/16	3/8 30
			Exhaust T- 1865	1 7/16	1 11/16	3/8 45

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
130 D346 OEM 12 Valve						
1191 ci	19.5 L	Int. OEM #9M3205	Intake T- 1881	1 9/16	1.813	.365 30/R
8		Exh. OEM #1W5283	Exhaust T- 1882	1 7/16	1.688	.365 30/R
131 D348 Diesel 12 Valve						
1786 ci	29.2 L	Alternate Intake & Exhaust	Intake T- 1845	1 9/16	1 13/16	3/8 30/R
12			Alt-Int T- 1993	1 9/16	1 13/16	.365 30/R
			Exhaust T- 1846	1 7/16	1 11/16	3/8 30/R
			Alt-Exh T- 1994	1 7/16	1 11/16	.365 45/R
132 D348 Gas 12 Valve						
1786 ci	29.2 L		Intake T- 1866	1 9/16	1 13/16	3/8 30
12			Exhaust T- 1865	1 7/16	1 11/16	3/8 45
133 D348 OEM 12 Valve						
1786 ci	29.2 L	Int. OEM #9M3205	Intake T- 1881	1 9/16	1.813	.365 30/R
		Exh. OEM #1W5283	Exhaust T- 1882	1 7/16	1.688	.365 30/R
134 D349 Diesel 16 Valve						
2382 ci	39 L	Alternate Intake & Exhaust	Intake T- 1845	1 9/16	1 13/16	3/8 30/R
16			Alt-Int T- 1993	1 9/16	1 13/16	.365 30/R
			Exhaust T- 1846	1 7/16	1 11/16	3/8 30/R
			Alt-Exh T- 1994	1 7/16	1 11/16	.365 45/R
135 D349 Gas 16 Valve						
2382 ci	39 L		Intake T- 1866	1 9/16	1 13/16	3/8 30
			Exhaust T- 1865	1 7/16	1 11/16	3/8 45
136 D349 OEM 16 Valve						
2382 ci	39 L	Int. OEM #9M3205	Intake T- 1881	1 9/16	1.813	.365 30/R
		Exh. OEM #1W5283	Exhaust T- 1882	1 7/16	1.688	.365 30/R
137 D353,D353D 12 Valve						
1473 ci	24.1 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
6	1961-73	Exh. OEM #8M4014	Exhaust T- 2020	2 1/8	2.435	5/8 30/R
138 D353 12 Valve Natural Gas						
1473 ci	24.1 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
6		Exh. OEM #1S5738, 7C5900	Exhaust T- 2009	2 1/8	2.435	5/8 30
139 G353 Gas 12 Valve						
1473 ci	24.1 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
6		Exh. OEM #1S5738, 7C5900	Exhaust T- 2009	2 1/8	2.435	5/8 30

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
140		D364				
1662 ci	27.2 L	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2 45/R
8		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2 45
141		D375				
1662 ci	27.2 L	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2 45/R
8		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2 45
142		379 LP Gas & Diesel				
1964 ci	32.3 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
8	1961-73	Exh. OEM #8M4014	Exhaust T- 2020	2 1/8	2.435	5/8 30/R
143		379 Natural Gas				
1964 ci	32.3 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
8		Exh. OEM #1S5738, 7C5900	Exhaust T- 2009	2 1/8	2.435	5/8 30
144		G379 Gas				
		Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
		Exh. OEM #1S5738, 7C5900	Exhaust T- 2009	2 1/8	2.435	5/8 30
145		D379A				
6	1961-73	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
		Exh. OEM #8M4014	Alt-Int T- 2041	2 9/32	2 5/8	5/8 30/R
			Exhaust T- 2020	2 1/8	2.435	5/8 30/R
			Alt-Exh T- 2051	2 1/8	2 1/2	5/8 30/R
146		D386 12 Valve				
2493 ci	40.9 L	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2 45/R
12		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2 45
147		D397				
2493 ci	40.9 L	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2 45/R
12		Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2 45
148		D398 Natural Gas 12 Valve				
2946 ci	48.3 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
6		Exh. OEM #1S5738, 7C5900	Exhaust T- 2009	2 1/8	2.435	5/8 30
149		D398 12 Valve				
2946 ci	48.3 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
6	1961-73	Exh. OEM #8M4014	Alt-Int T- 2041	2 9/32	2 5/8	5/8 30/R
			Exhaust T- 2020	2 1/8	2.435	5/8 30/R
			Alt-Exh T- 2051	2 1/8	2 1/2	5/8 30/R

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		Part No.	ID	OD	Depth	Ang.
150 G399, G398 Gas 12 Valve						
2946 ci	48.3 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
		Exh. OEM #1S5738, 7C5900	Exhaust T- 2009	2 1/8	2.435	5/8 30
151 D399 Natural Gas						
3928 ci	64.4 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
16		Exh. OEM #1S5738, 7C5900	Exhaust T- 2009	2 1/8	2.435	5/8 30
152 D399						
3928 ci	64.4 L	Int. OEM #5S1757, 7C5378	Intake T- 2021	2 9/32	2.590	5/8 30/R
6		Exh. OEM #8M4014	Alt-Int T- 2041	2 9/32	2 5/8	5/8 30/R
			Exhaust T- 2020	2 1/8	2.435	5/8 30/R
			Alt-Exh T- 2051	2 1/8	2 1/2	5/8 30/R
153 D468						
4	1933-47		Intake T- 1905	1 9/16	2	1/4 45
			Exhaust T- 1613	1 1/2	1 7/8	1/4 45
154 561BC Pipe Layer						
525 ci	8.6 L		Intake T- 1749	1 13/16	2 1/4	1/4 45
6			Exhaust T- 1921	1 5/8	2	1/4 45
155 619 Truck						
6	1960-73	Alternate Intake & Exhaust Straight I.D.	Intake T- 1845	1 9/16	1 13/16	3/8 30/R
			Alt-Int T- 1866	1 9/16	1 13/16	3/8 30
			Exhaust T- 1846	1 7/16	1 11/16	3/8 30/R
			Alt-Exh T- 1865	1 7/16	1 11/16	3/8 45
156 631 Diesel						
6	1960-73		Intake T- 1845	1 9/16	1 13/16	3/8 30/R
			Exhaust T- 1846	1 7/16	1 11/16	3/8 30/R
157 631 Gas						
6	1960-73		Intake T- 1866	1 9/16	1 13/16	3/8 30
			Exhaust T- 1865	1 7/16	1 11/16	3/8 45
158 631 OEM						
		Int. OEM #9M3205	Intake T- 1881	1 9/16	1.813	.365 30/R
		Exh. OEM #1W5283	Exhaust T- 1882	1 7/16	1.688	.365 30/R
159 641 Diesel						
			Intake T- 1845	1 9/16	1 13/16	3/8 30/R
			Exhaust T- 1846	1 7/16	1 11/16	3/8 30/R

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
160	641 OEM					
	Int. OEM #9M3205	Intake T- 1881	1 9/16	1.813	.365	30/R
	Exh. OEM #1W5283	Exhaust T- 1882	1 7/16	1.688	.365	30/R
161	D922					
	Alt 1/16" Oversized Inserts	Intake T- 2810	1 11/16	2	29/64	30/R
		Alt-Int T- 2029	1 11/16	2 1/16	29/64	30/R
		Exhaust T- 2811	1 9/16	1 7/8	29/64	30/R
		Alt-Exh T- 1672	1 9/16	1 15/16	29/64	30/R
162	1140					
8	Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292	30
	Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284	45
163	1145					
8	Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292	30
	Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284	45
164	1150					
8	Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292	30
	Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284	45
165	D1152					
6	1933-60	Intake T- 1303	2 1/16	2 7/16	5/16	30
		Exhaust T- 811	2	2 7/16	7/16	45
166	1160					
8	Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292	30
	Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284	45
167	1670 8 Valve, Diesel					
350 ci	5.7 L	Int. OEM #5S7221	Intake T- 1722	1 11/16	2	7/16
4		Exh. OEM #9M6495	Exhaust T- 1718	1 9/16	1 7/8	7/16
168	1673 Diesel & Turbo Diesel 12 Valve					
525 ci	8.6 L	Int. OEM #5S7221	Intake T- 1722	1 11/16	2	7/16
6		Exh. OEM #9M6495	Exhaust T- 1718	1 9/16	1 7/8	7/16
169	1673C 12 Valve					
638 ci	10.5 L	Int. OEM #5S7218	Intake T- 2714	1 13/16	2 1/8	7/16
6			Alt-Int T- 2595	1 13/16	2 3/16	7/16
		Exh. OEM #5S7221	Exhaust T- 1722	1 11/16	2	7/16
		Alt. 1/16" Oversized Inserts	Alt-Exh T- 2832	1 11/16	2 1/16	7/16

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
170		1674 12 Valve Diesel				
638 ci	10.5 L	Int. OEM #1S2894	Intake T- 1871	1 1/4	1 1/2	11/32 45
6		Exh. OEM #1S2895	Exhaust T- 1870	1 7/32	1 7/16	11/32 45
171		1676				
636 ci	10.5 L	Int. OEM #1S2894	Intake T- 1871	1 1/4	1 1/2	11/32 45
8		Exh. OEM #1S2895	Exhaust T- 1870	1 7/32	1 7/16	11/32 45
172		1693 24 Valve				
893 ci	14.6 L	Alt. Int. & Exh. with .375 depth	Intake T- 1866	1 9/16	1 13/16	3/8 30
6	1960-73		Alt-Int T- 1845	1 9/16	1 13/16	3/8 30/R
			Exhaust T- 1865	1 7/16	1 11/16	3/8 45
			Alt-Exh T- 1846	1 7/16	1 11/16	3/8 30/R
173		1693 24 Valve (Alt)				
893 ci	14.6 L	Int. OEM #4N5893	Intake T- 2592	1 9/16	1.8125	.365 30/R
6	1960-73	Exh. OEM #1W5283 Alt. Int. & Exh. W press fit	Alt-Int T- 1993	1 9/16	1 13/16	.365 30/R
			Exhaust T- 2582	1 7/16	1.6875	.365 45/R
			Alt-Exh T- 1994	1 7/16	1 11/16	.365 45/R
174		1973				
		Int. OEM #5S7221	Intake T- 1722	1 11/16	2	7/16 30/R
		Exh. OEM #9M6495	Exhaust T- 1718	1 9/16	1 7/8	7/16 30/R
175		3114 8 Valve				
268 ci	4.4 L	Int. OEM #7W8065, 1309004	Intake T- 2768	1 21/32	1.969	.234
4		Exh. OEM #1W2713	Exhaust T- 2767	1.458	1.6935	.234
176		3116 12 Valve				
403 ci	6.6 L	Int. OEM #7W8065, 1309004	Intake T- 2768	1 21/32	1.969	.234
6		Exh. OEM #1W2713	Exhaust T- 2767	1.458	1.6935	.234
177		3126 12 Valve				
442 ci	7.2 L	Int. OEM #7W8065, 1309004	Intake T- 2768	1 21/32	1.969	.234
6		Exh. OEM #1W2713	Exhaust T- 2767	1.458	1.6935	.234
178		3176 Diesel 24 Valve				
629 ci	10.3 L	Int. OEM #4N5893, 1799454	Intake T- 1897	1 17/32	1.815	.365 30/R
6		Exh. OEM #7W5554, 1799453, 1336997	Exhaust T- 1090	1 13/32	1.711	3/8 45/R
179		3204 Diesel & Turbo Diesel				
318 ci	5.2 L	1140, 1145, 1150, 1160 Series Truck	Intake T- 1980	1.866	2.150	.292 30
4		Int. OEM #2N8943 Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284 45

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
180 3204 Naturally Aspirated & Turbo 16 Valve						
350 ci	5.7 L	Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292 30
8		Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284 45
181 3204 Alt. Direct Injection						
			Intake T- 2756	1 11/16	2	5/16
			Exhaust T- 1910	1 5/8	1 15/16	9/32 45
182 3208 Diesel, Naturally Aspirated & Turbo Diesel						
636 ci	10.5 L	1140, 1145, 1150, 1160 Series Truck Int. OEM #2N8943	Intake T- 1980	1.866	2.150	.292 30
8		Exh. OEM #9N2837	Exhaust T- 1979	1 5/8	1.912	.284 45
183 3304 8 Valve Natural Gas & Diesel						
425 ci	7 L	Int. OEM #5S7218	Intake T- 2714	1 13/16	2 1/8	7/16 30/R
4		Exh. OEM #5S7221	Exhaust T- 1722	1 11/16	2	7/16 30/R
184 D330C, D333C, 3304, 3306 8 Valve Direct Injection						
425 ci	7 L	Int. OEM #7N4448, 1070268	Intake T- 2744	1 3/4	2.048	11/32 30/R
4		Exh. OEM #2W4837, 1070265	Exhaust T- 2746	1 11/16	2	5/16 30/R
185 3306 12 Valve - #76R3177 - Up						
638 ci	10.5 L	Int. OEM #7N4448, 1070268	Intake T- 2744	1 3/4	2.048	11/32 30/R
6		Exh. OEM #5S7221, 1W5321	Exhaust T- 1722	1 11/16	2	7/16 30/R
		Alt. Exh. OEM #7N1649	Alt-Exh T- 1721	1 11/16	2	7/16 45
186 3306 12 Valve Diesel & Turbo Diesel						
638 ci	10.5 L	Int. OEM #5S7218	Intake T- 2714	1 13/16	2 1/8	7/16 30/R
6		Exh. OEM #5S7221	Exhaust T- 1722	1 11/16	2	7/16 30/R
187 3306 Natural Gas						
638 ci	10.5 L	Int. OEM #5S7218	Intake T- 2714	1 13/16	2 1/8	7/16 30/R
10.5		Exh. OEM #7N1649	Exhaust H- 1721	1 11/16	2	7/16 45
188 3400 Natural Gas						
		Int. OEM #4N5893	Intake T- 2590	1 9/16	1.813	.365 30
			Alt-Int T- 1866	1 9/16	1 13/16	3/8 30
		Exh. OEM #4W4325	Exhaust T- 2575	1 7/16	1.688	.365 45
			Alt-Exh T- 1865	1 7/16	1 11/16	3/8 45
189 3400 Nat. Gas 20°						
			Intake T- 2571	1 9/16	1 13/16	3/8 20
			Exhaust T- 2591	1 7/16	1 11/16	3/8 20

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
190	3400 Gas 20° OEM					
	Int. OEM #614019, 1227352, 1152358	Intake T- 2589	1 17/32	1.813	.365	20
	Exh. OEM # 614014, 1986529	Exhaust T- 2574	1 13/32	1.688	.365	20
191	3400G Gas Grader					
4	1934-41	Intake T- 1922	1 5/8	2	9/32	45
		Exhaust T- 1604	1 7/16	1 7/8	1/4	45
192	D3400					
4		Intake T- 934	1 5/16	1 5/8	7/32	45
		Exhaust T- 911	1 1/4	1 5/8	7/32	45
193	3406 Diesel					
893 ci	14.6 L	Intake T- 1993	1 9/16	1 13/16	.365	30/R
6	Alternate Int. & Exh. w 3/8 depth Exh. OEM #4S8902	Alt-Int T- 1845	1 9/16	1 13/16	3/8	30/R
		Exhaust T- 1994	1 7/16	1 11/16	.365	45/R
		Alt-Exh T- 1846	1 7/16	1 11/16	3/8	30/R
194	3406 Gas					
893 ci	14.6 L	Intake T- 1866	1 9/16	1 13/16	3/8	30
6		Exhaust T- 1865	1 7/16	1 11/16	3/8	45
195	3406 Natural Gas					
893 ci	14.6 L	Int. OEM #614019, 1227352, 1152358	Intake T- 2589	1 17/32	1.813	.365
6		Exh. OEM #614014, 1986529	Exhaust T- 2574	1 13/32	1.688	.365
196	3406 Late Style					
893 ci	14.6 L	Int. OEM #614019, 1227352, 1152358	Intake T- 2589	1 17/32	1.813	.365
6		Exh. OEM #614014, 1986529	Exhaust T- 2574	1 13/32	1.688	.365
197	3406 24 Valve					
893 ci	14.6 L	Int. OEM #4N5893	Intake T- 2592	1 9/16	1.8125	.365
6			Alt-Int T- 2571	1 9/16	1 13/16	3/8
	Exh. OEM #1W5283	Exhaust T- 2582	1 7/16	1.6875	.365	45/R
	Alt. Int. & Exh. W press fit	Alt-Exh T- 2591	1 7/16	1 11/16	3/8	20
198	3406B					
893 ci	14.6 L	Int. OEM #4N5893	Intake T- 2592	1 9/16	1.8125	.365
6			Alt-Int T- 1993	1 9/16	1 13/16	.365
	Exh. OEM #1W5283	Exhaust T- 2582	1 7/16	1.6875	.365	45/R
	Alt. Int. & Exh. w press fit	Alt-Exh T- 1994	1 7/16	1 11/16	.365	45/R

CATERPILLAR

				Part No.	ID	OD	Depth	Ang.
199		3406B Late Style						
893 ci	14.6 L	Int. OEM #614019, 1227352, 1152358		Intake T- 2589	1 17/32	1.813	.365	20
6		Exh. OEM #614014, 1986529		Exhaust T- 2574	1 13/32	1.688	.365	20
200		3406B Natural Gas						
893 ci	14.6 L	Int. OEM #614019, 1227352, 1152358		Intake T- 2589	1 17/32	1.813	.365	20
6		Exh. OEM #4W4325		Alt-Int T- 2571	1 9/16	1 13/16	3/8	20
		Alt. Int. & Exh. w press fit		Exhaust T- 2575	1 7/16	1.688	.365	45
				Alt-Exh T- 2591	1 7/16	1 11/16	3/8	20
201		3406E 24 Valve						
893 ci	14.6 L			Intake T- 1993	1 9/16	1 13/16	.365	30/R
6		Exh. OEM #4S8902		Exhaust T- 1994	1 7/16	1 11/16	.365	45/R
202		3406E 24 Valve OEM						
893 ci	14.6 L	Int. OEM #1753617, 1085912		Intake T- 2594	1.610	1.890	.306	30
6		Exh. OEM #1527582		Exhaust T- 2586	1.437	1.6865	.365	45/R
203		3406E New Style						
893 ci	14.6 L	Int. OEM #2143286		Intake T- 3733	1.540	1.812	.312	20
6		Exh. OEM #2120936		Exhaust T- 3732	1.312	1.687	.315	20/R
204		3408 Diesel & Turbo Diesel						
1099 ci	18 L			Intake T- 1993	1 9/16	1 13/16	.365	30/R
8		Exh. OEM #4S8902		Exhaust T- 1994	1 7/16	1 11/16	.365	45/R
205		3408 32 Valve Diesel						
1099 ci	18 L	Int. OEM #4N5893		Intake T- 2592	1 9/16	1.8125	.365	30/R
8		Exh. OEM #1W5283		Exhaust T- 2582	1 7/16	1.6875	.365	45/R
206		3408 Gas						
8				Intake T- 1866	1 9/16	1 13/16	3/8	30
				Exhaust T- 1865	1 7/16	1 11/16	3/8	45
207		3408 Natural Gas						
1099 ci	18 L	Int. OEM #614019, 1227352, 1152358		Intake T- 2589	1 17/32	1.813	.365	20
8		Exh. OEM #4W4325		Alt-Int T- 2571	1 9/16	1 13/16	3/8	20
		Alt. Int. & Exh. w press fit		Exhaust T- 2575	1 7/16	1.688	.365	45
				Alt-Exh T- 2591	1 7/16	1 11/16	3/8	20
208		3408 Late Style						
1099 ci	18 L	Int. OEM #614019, 1227352, 1152358		Intake T- 2589	1 17/32	1.813	.365	20
8		Exh. OEM #614014, 1986529		Exhaust T- 2574	1 13/32	1.688	.365	20

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
209	3408 New style					
	Int. OEM #2143286	Intake T- 3733	1.540	1.812	.312	20
	Exh. OEM #2120936	Exhaust T- 3732	1.312	1.687	.315	20/R
210	3408E 32 Valve Diesel					
1099 ci 18 L 8	Int. OEM #4N5893	Intake T- 2592	1 9/16	1.8125	.365	30/R
	Exh. OEM #1W5283	Alt-Int T- 2594	1.610	1.890	.306	30
		Exhaust T- 2582	1 7/16	1.6875	.365	45/R
		Alt-Exh T- 2586	1.437	1.6865	.365	45/R
211	3412 Diesel & Turbo Diesel					
1649 ci 27 L 12	Int. OEM #4S8902	Intake T- 1993	1 9/16	1 13/16	.365	30/R
	Exh. OEM #4S8902	Exhaust T- 1994	1 7/16	1 11/16	.365	45/R
212	3412 Gas					
1649 ci 27 L 12		Intake T- 1866	1 9/16	1 13/16	3/8	30
		Exhaust T- 1865	1 7/16	1 11/16	3/8	45
213	3412					
1649 ci 27 L 12	Int. OEM #4N5893	Intake T- 2592	1 9/16	1.8125	.365	30/R
	Exh. OEM #1W5283	Exhaust T- 2582	1 7/16	1.6875	.365	45/R
214	3412 Natural Gas					
1649 ci 27 L 12	Int. OEM #6I4019, 1227352, 1152358	Intake T- 2589	1 17/32	1.813	.365	20
	Exh. OEM #4W4325	Alt-Int T- 2571	1 9/16	1 13/16	3/8	20
	Alt. Int. & Exh w 20°	Exhaust T- 2575	1 7/16	1.688	.365	45
		Alt-Exh T- 2591	1 7/16	1 11/16	3/8	20
215	3412 Late Style					
1649 ci 27 L 12	Int. OEM #6I4019, 1227352, 1152358	Intake T- 2589	1 17/32	1.813	.365	20
	Exh. OEM #6I4014, 1986529	Exhaust T- 2574	1 13/32	1.688	.365	20
216	3412 New Style					
	Int. OEM #2143286	Intake T- 3733	1.540	1.812	.312	20
	Exh. OEM #2120936	Exhaust T- 3732	1.312	1.687	.315	20/R
217	3412E 48 Valve Diesel					
1649 ci 27 L 12	Int. OEM #4N5893	Intake T- 2592	1 9/16	1.8125	.365	30/R
	Exh. OEM #1W5283	Exhaust T- 2582	1 7/16	1.6875	.365	45/R
	Alt. Exh. OEM #4S8902	Alt-Exh T- 1994	1 7/16	1 11/16	.365	45/R

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.	
218	D3500						
426 ci 6	7 L	670T, 670HI, 6701, 7030 - 7080, 7580	Intake T- 376	1.600	1.814	.315	45
			Exhaust T- 377	1.420	1.670	.302	45
219	3500 Diesel						
		Int. OEM #1314340	Intake T- 2751	1.895	2.3675	.383	30/R
			Alt-Int T- 2734	1.875	2.368	.383	30/R
		Exh. OEM #1369630	Exhaust T- 2752	1.970	2.3875	.383	30/R
			Alt-Exh T- 2753	1.970	2.387	.383	30/R
220	3500 Diesel - Alt.						
		Int. OEM #7E5862/1369630	Intake T- 1573	1.970	2.387	.382	30
221	3500 Diesel - Alt.						
		OEM #1W1801	Intake T- 857	2.045	2.367	.382	30
			Exhaust T- 857	2.045	2.367	.382	30
222	3500 Gas						
		OEM #7W0028	Intake T- 1788	1 7/8	2.368	3/8	20
			Alt-Int T- 2731	1 7/8	2.368	.460	20
		Alt. Int. & Exh. OEM #6I1713	Exhaust T- 1788	1 7/8	2.368	3/8	20
			Alt-Exh T- 2731	1 7/8	2.368	.460	20
223	3500 Gas - Alt.						
		.440 depth	Intake T- 2732	1 7/8	2.368	.440	20
			Exhaust T- 2732	1 7/8	2.368	.440	20
224	3500 model B diesel						
			Intake T- 2168	1 7/8	2.388	.395	20
			Exhaust T- 2757	1.921	2.368	.395	
225	3500 New Style Diesel						
		Int. OEM #1302607	Intake T- 2787	1.895	2.387	.365	20/R
		Exh. OEM #1302608, 1314340	Exhaust T- 2782	1.975	2.3675	.393	45/R
226	3508 Diesel						
2107 ci 8	34.5 L	Int. OEM #1225963 (w/swirl plate)	Intake T- 2367	1.890	2.368	.460	20/S
		Alt. Int. OEM #7E5862	Alt-Int T- 1573	1.970	2.387	.382	30
		Exh. OEM #1W1801	Exhaust T- 857	2.045	2.367	.382	30

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
227 3508 Gas						
2107 ci	34.5 L					
8		Exh. OEM #7W0028	Exhaust T- 1788	1 7/8	2.368	3/8 20
228 3508 Natural Gas						
2107 ci	34.5 L	OEM #611713, 7W0028	Intake T- 2731	1 7/8	2.368	.460 20
8			Exhaust T- 2731	1 7/8	2.368	.460 20
229 3508B Ind., Marine						
2107 ci	34.5 L	Int. OEM #1302607	Intake T- 2787	1.895	2.387	.365 20/R
8		Exh. OEM #1302608, 1314340	Exhaust T- 2782	1.975	2.3675	.393 45/R
230 3512 Diesel 12 Valve						
1649 ci	27 L					
		Exh. OEM #1W1801	Exhaust T- 857	2.045	2.367	.382 30
231 3512 48 Valve Diesel						
3160 ci	51.8 L	Int. OEM #7E5862/1369630	Intake T- 1573	1.970	2.387	.382 30
12			Exhaust T- 857	2.045	2.367	.382 30
232 3512 Gas 12 Valve						
1649 ci	27 L					
		Exh. OEM #7W0028	Exhaust T- 1788	1 7/8	2.368	3/8 20
233 3512 Natural Gas 12 Valve						
1649 ci	27 L	OEM #611713, 7W0028	Intake T- 2731	1 7/8	2.368	.460 20
			Exhaust T- 2731	1 7/8	2.368	.460 20
234 3512 48 Valve Natural Gas						
3160 ci	51.8 L	Int. OEM #1225963 (w/swirl plate)	Intake T- 2367	1.890	2.368	.460 20/S
12		Alt. Int. w straight I.D.	Alt-Int T- 2731	1 7/8	2.368	.460 20
		Exh. OEM #611713, 7W0028	Exhaust T- 2731	1 7/8	2.368	.460 20
235 3512B 48 Valve Diesel, Industrial, Marine						
3160 ci	51.8 L	Int. OEM #1302607	Intake T- 2787	1.895	2.387	.365 20/R
12		Exh. OEM #1302608, 1314340	Exhaust T- 2782	1.975	2.3675	.393 45/R
236 3516						
2199 ci	36 L	OEM #611713, 7W0028	Intake T- 2731	1 7/8	2.368	.460 20
16			Exhaust T- 2731	1 7/8	2.368	.460 20
237 3516 Diesel						
2199 ci	36 L					
16		Exh. OEM #1W1801	Exhaust T- 857	2.045	2.367	.382 30

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
238		3516 Gas				
2199 ci	36 L					
16		Exh. OEM #7W0028	Exhaust T- 1788	1 7/8	2.368	3/8 20
239		3516 64 Valve Diesel				
4210	69 L	Int. OEM #7E5862/1369630	Intake T- 1573	1.970	2.387	.382 30
16		Exh. OEM #1W1801	Exhaust T- 857	2.045	2.367	.382 30
240		3516 64 Valve Natural Gas				
4210	69 L	Int. OEM #1225963 (w/swirl plate)	Intake T- 2367	1.890	2.368	.460 20/S
16		Alt. Int. w Straight I.D.	Alt-Int T- 2731	1 7/8	2.368	.460 20
		Exh. OEM #611713, 7W0028	Exhaust T- 2731	1 7/8	2.368	.460 20
241		3516B 64 Valve Diesel, Industrial, Marine				
4210 ci	69 L	Int. OEM #1302607	Intake T- 2787	1.895	2.387	.365 20/R
16		Exh. OEM #1302608, 1314340	Exhaust T- 2782	1.975	2.3675	.393 45/R
242		3520 Water-cooled				
		OEM #308-7100				
			Exhaust U- 3623	1.6505	2.3675	1.085 20/R
243		3600 Gas				
		Intake w/groove on back Int OEM #4P-2853, 1713992 Exh OEM #7C-7997, 1713993	Intake T- 1129	3.150	3.826	.680 20/G
			Exhaust T- 1128	3.150	3.826	.680 20/R
244		G3600 Series Gas Engine Water Cooled Sleeve				
		OEM #1487142, 2298567 Pre-Chamber Insert	Intake T- 3630	1.862	2.609	.830 45
			Exhaust T- 3630	1.862	2.609	.830 45
245		4200G Gas				
4	1932-41		Intake T- 1922	1 5/8	2	9/32 45
			Exhaust T- 984	1 7/16	1 3/4	1/4 45
246		D4400 Diesel				
4	1933-47		Intake T- 1905	1 9/16	2	1/4 45
			Exhaust T- 1613	1 1/2	1 7/8	1/4 45
247		4400G Gas Grader				
4	1934-41		Intake T- 1754	1 7/8	2 1/4	9/32 30
		Alt. Int. & Exh. w 45°	Alt-Int T- 1755	1 7/8	2 1/4	9/32 45
			Exhaust T- 1906	1.600	2	9/32 30
			Alt-Exh T- 1922	1 5/8	2	9/32 45

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
248	D4600					
4	1933-47	Intake T- 1905	1 9/16	2	1/4	45
		Exhaust T- 1613	1 1/2	1 7/8	1/4	45
249	4600G Gas Grader					
6	1934-41	Intake T- 1754	1 7/8	2 1/4	9/32	30
	Alt. Int. & Exh. w 45°	Alt-Int T- 1755	1 7/8	2 1/4	9/32	45
		Exhaust T- 1906	1.600	2	9/32	30
		Alt-Exh T- 1922	1 5/8	2	9/32	45
250	5500-R3					
4		Intake T- 1754	1 7/8	2 1/4	9/32	30
		Exhaust T- 1906	1.600	2	9/32	30
251	5500G-R3					
		Intake T- 1754	1 7/8	2 1/4	9/32	30
		Exhaust T- 1905	1 9/16	2	1/4	45
252	6000G					
	1932-41	Intake T- 1737	1 3/4	2 1/4	9/32	45
		Exhaust T- 1737	1 3/4	2 1/4	9/32	45
253	6500G Gas					
4	1932-41	Intake T- 1737	1 3/4	2 1/4	9/32	45
		Exhaust T- 1737	1 3/4	2 1/4	9/32	45
254	D6600					
4	1933-60	Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
255	7500G Gas					
4	1932-41	Intake T- 1337	2 3/16	2 5/8	5/16	45
		Exhaust T- 1310	2 1/16	2 5/8	5/16	45
256	D7700					
		Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
257	D8800					
		Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
258	9000G Gas					
4	1932-41	Intake T- 2410	2 7/16	3 1/8	3/8	45
		Exhaust T- 2410	2 7/16	3 1/8	3/8	45

CATERPILLAR

		Part No.	ID	OD	Depth	Ang.
259	9500G Gas					
1932-41		Intake T- 2410	2 7/16	3 1/8	3/8	45
		Exhaust T- 2410	2 7/16	3 1/8	3/8	45
260	D9900					
		Intake T- 611	2 7/16	2 7/8	3/8	45
		Exhaust T- 611	2 7/16	2 7/8	3/8	45
261	D11000					
4	1933-60	Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
262	D13000					
4	1933-60	Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45
263	D13000 - 1200rpm					
1947-73	Int. OEM #9M8745	Intake T- 835	2 1/16	2 1/2	1/2	45/R
	Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2	45
264	D17000					
4	1933-60	Intake T- 1305	2 1/16	2 1/2	1/4	45
		Exhaust T- 1305	2 1/16	2 1/2	1/4	45

CHICAGO PNEUMATIC

		Part No.	ID	OD	Depth	Ang.
1	8 X 10 1/2 Diesel - B124					
		Intake T- 1025	2 7/8	3.507	1/2	45
		Exhaust T- 537	2 1/2	3.133	1/2	45
2	9 1/2 X 10 X 10 1/2 Eng.					
		Intake T- 1411	3 9/16	4 7/16	1/2	---
		Exhaust T- 2120	3 1/4	4.004	1/2	45
3	9C PG B-1271-1 30 Degree Angle					
		Intake T- 2128	3 1/4	4.004	1/2	30
		Exhaust T- 2128	3 1/4	4.004	1/2	30
4	9C PG B-1271-1 45 Degree Angle					
		Intake T- 2120	3 1/4	4.004	1/2	45
		Exhaust T- 2120	3 1/4	4.004	1/2	45
5	9C PG B-1271-3 30 Degree Angle					
		Intake T- 3606	3 1/4	4.094	5/8	30
		Exhaust T- 3606	3 1/4	4.094	5/8	30

CHICAGO PNEUMATIC

			Part No.	ID	OD	Depth	Ang.
6	9C PG B-1271-3 45 Degree Angle						
			Intake T- 3604	3 1/4	4.094	5/8	45
			Exhaust T- 3604	3 1/4	4.094	5/8	45
7	11CP 4 Valve Head						
			Intake T- 1024	3	3.696	9/16	45
			Exhaust T- 1024	3	3.696	9/16	45
8	12 X 13 CP Diesel						
			Intake T- 2251	3 1/2	4 1/2	11/16	---
			Exhaust T- 2251	3 1/2	4 1/2	11/16	---
9	12 1/2 X 15 Eng. - Early L-28						
			Intake T- 2224	3 1/2	4 3/8	11/16	20
			Exhaust T- 2224	3 1/2	4 3/8	11/16	20
10	12 1/2 X 15 Eng. - Late L-28						
			Intake T- 2232	3 1/2	4 1/4	3/4	20
			Exhaust T- 2232	3 1/2	4 1/4	3/4	20
11	MODEL 89CPS, Serial No. 64691						
			Exhaust T- 1204	2 1/2	3 1/4	1/2	45

CHRYSLER AUTOMOTIVE

			Part No.	ID	OD	Depth	Ang.
1	C 35 Renault OHV 8 Valve						
85 ci	1.4 L	1397cc	Intake T- 2517	1 3/32	1 7/16	.354	45
4	1984-87		Exhaust T- 623	1.024	1 1/4	.257	45
2	SOHC G12B, J Series 8 Valve Mitsubishi						
86 ci	1.4 L	1410cc	Intake T- 352	1.100	1 7/16	.293	45/R
4	1979-84		Exhaust T- 353	.980	1 5/16	.293	45/R
3	SOHC G15B 8 Valve Mitsubishi						
90 ci	1.5 L	1468cc	Intake T- 352	1.100	1 7/16	.293	45/R
4	1985-88		Exhaust T- 353	.980	1 5/16	.293	45/R
4	SOHC 4G15 8 Valve Mitsubishi						
90 ci	1.5 L	1468cc	Intake T- 539	1.181	1 7/16	.280	45/R
4	1988-90		Exhaust T- 353	.980	1 5/16	.293	45/R
5	SOHC 4G15 Series 12 valve Mitsubishi						
90 ci	1.5 L	1468cc Int. w 26mm VI. Hd.	Intake T- 694	.825	1 1/8	.285	0/R
4	1991-96		Exhaust T- 565	1.162	1 7/16	.310	45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
6 SOHC 4G15 Series 12 Valve Mitsubishi						
90 ci	1.5 L	1468cc	Intake T- 191	1.060	1 5/16	.280 45/R
4	1991-96	int. w 31mm VI. Hd.	Exhaust T- 565	1.162	1 7/16	.310 45
7 DOHC 4G61 & 4G61T Turbo 16 Valve Mitsubishi						
98 ci	1.6 L	& Non-Turbo	Intake T- 2075	1.135	1 7/16	.316 45/R
4	1989-90	1595cc	Exhaust T- 570	1.045	1 5/16	5/16 45
8 SOHC & DOHC 4G32, G32B, K & Z 8 Valve Mitsubishi						
1597 cc	1.6 L	Includes Turbo	Intake T- 354	1.260	1 9/16	.280 45/R
4	1971-88		Exhaust T- 385	1.060	1 3/8	.280 45/R
9 Audi, SOHC 8 Valve VW Eng.						
1715 cc	1.7 L	A, B	Intake T- 346	1.140	1 7/16	.305 45/R
4	1978-83		Exhaust T- 347	1.086	1 5/16	.305 45/R
		Alt Exh Straight I.D.	Alt-Exh T- 522	1.086	1 5/16	.305 45
10 SOHC 4G37 8 Valve Mitsubishi P Engine						
107 ci	1.8 L	1755cc	Intake T- 540	1.415	1 3/4	.300 45/R
4	1989-94		Alt-Int T- 477	1.360	1 3/4	.315 45/R
			Exhaust T- 541	1.180	1 1/2	.300 45/R
11 SOHC 4G93 16 Valve Mitsubishi P Engine						
1834 cc	1.8 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1992		Exhaust T- 2341	.905	1 3/16	.257 45
12 SOHC 4G93 16 Valve Mitsubishi P Engine						
112 ci	1.8 L	1834cc	Intake T- 691	1.023	1 1/4	.273 45/R
4	1993-96		Exhaust T- 2361	.880	1 3/16	.280 45
			Alt-Exh T- 2341	.905	1 3/16	.257 45
13 SOHC 8 Valve 121 C.I. Audi						
1983 cc	2 L	G, K	Intake T- 382	1.300	1 11/16	.362 45/R
4	1977-79		Exhaust T- 383	1.185	1 7/16	.304 45/R
14 SOHC G52B 12 Valve Mitsubishi U Engine						
122 ci	2 L	1995cc	Intake T- 386	1.455	1 3/4	.310 45/R
4	1974-82		Exhaust T- 476	1.220	1 1/2	.315 45/R

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
15 SOHC 16 Valve Neon Vin C, F, ECB, N, 9						
122 ci	2 L	1996cc	Intake T- 524	1 1/8	1 3/8	.325 45
4	1995-05		Exhaust T- 2475	1	1 1/4	.305 45
16 SOHC G63, G63B Mitsubishi A Engine Carb. & F.I.						
1997 cc	2 L		Intake T- 386	1.455	1 3/4	.310 45/R
4	1983-91		Exhaust T- 476	1.220	1 1/2	.315 45/R
17 SOHC G63, G63B Series Mitsubishi A Engine						
1997 cc	2 L	12 Valve	Intake T- 1824	1 7/16	1 3/4	5/16 45
4	1987-91		Exhaust T- 2148	1.215	1.506	.318
18 SOHC G63, G63B Series Mitsubishi A Engine (Alt)						
122 ci	2 L	1997cc Alt. Int. w 1.693 VI. Hd., .310 depth	Intake T- 386	1.455	1 3/4	.310 45/R
4	1983-91	Alt. Exh. W 1.378 VI. Hd., .310 depth	Exhaust T- 387	1.220	1 1/2	.310 45/R
19 DOHC 4G63, G63B 16 Valve Mitsubishi						
122 ci	2 L	1997cc Also Turbo	Intake T- 692	1.142	1 7/16	.336 45/R
4	1990-98		Alt-Int T- 2075	1.135	1 7/16	.316 45/R
			Exhaust T- 570	1.045	1 5/16	5/16 45
20 SOHC Turbo Diesel						
2068 cc	2.1 L		Intake T- 2525	1 1/8	1 7/16	.300 45
4	1984-87		Exhaust T- 1842	1 11/32	1 11/16	5/16 45
21 F Head AMC						
134 ci	2.2 L		Intake T- 318	1 13/16	2 1/8	1/4 45
4	1950-73		Exhaust T- 939	1 5/16	1 9/16	1/4 45
22 L Head AMC						
134 ci	2.2 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1939-62		Exhaust T- 929	1 5/16	1 9/16	7/32 45
23 SOHC Carb./ Non-Turbo						
2212 cc	2.2 L		Intake T- 1822	1 3/8	1 11/16	5/16 45
4	1981-87	Alt. Int. w 1.600 VI. Hd., .305 depth	Alt-Int T- 349	1.390	1 11/16	.305 45/R
			Exhaust T- 2148	1.215	1.506	.318
		Alt. Exh. w 1.390 VI. Hd., .315 depth	Alt-Exh T- 476	1.220	1 1/2	.315 45/R
24 SOHC Carb./ Non-Turbo (Alt)						
2212 cc	2.2 L	Alt. Int. w 1.600 VI. Hd., .313 depth	Intake T- 1873	1 3/8	1 11/16	5/16 45/R
4	1981-87	Alt. Exh. w 1.390 VI. Hd., .315 depth	Exhaust T- 476	1.220	1 1/2	.315 45/R

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
25 SOHC, DOHC Gas, Carb, FI 8 Valve						
135 ci	2.2 L	2212cc	Intake T- 349	1.390	1 11/16	.305 45/R
4	1981-94	Also Turbo	Exhaust T- 351	1.210	1 1/2	.345 45/R
26 Diesel & Turbo Diesel Mitsubishi 4D55T Isuzu						
2346 cc	2.3 L		Intake T- 1026	1.460	1 3/4	.275 45/R
4	1983-86		Exhaust T- 529	1.182	1 1/2	.275 45/R
27 SOHC 8 Valve 4G64, G64B T Series						
2351 cc	2.4 L		Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1990-93		Exhaust T- 922	1 9/32	1 5/8	5/16 45/R
28 SOHC 16 Valve 4G64 T Series						
2351 cc	2.4 L		Intake T- 654	1 1/8	1 3/8	.305 45/R
4	1993-96		Exhaust T- 693	.982	1.257	.329
29 SOHC 16 Valve 4G64 T Series						
2351 cc	2.4 L		Intake T- 654	1 1/8	1 3/8	.305 45/R
4	2001-05		Exhaust T- 693	.982	1.257	.329
30 DOHC 16 Valve, Turbo, Jeep Power-Tech						
148 ci	2.4 L	2429cc	Intake T- 149	1.175	1 1/2	.236 45/R
4	1995-10		Exhaust T- 667	1	1 3/8	9/32
31 150 AMC OHV 8 Valve						
150 ci	2.5 L		Intake T- 301	1 3/4	2	7/32 45
4	1983-02		Exhaust T- 900	1 5/16	1 9/16	3/16 45
32 151 GM OHV 8 Valve						
151 ci	2.5 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1980-84		Exhaust T- 952	1 3/8	1 5/8	7/32 45
33 SOHC 6G73 Mitsubishi 24 Valve						
152 ci	2.5 L	2497cc	Intake T- 654	1 1/8	1 3/8	.305 45/R
6	1995-00		Exhaust T- 693	.982	1.257	.329
34 SOHC 153 8 Valve						
153 ci	2.5 L	2500cc	Intake T- 349	1.390	1 11/16	.305 45/R
4	1986-95		Exhaust T- 351	1.210	1 1/2	.345 45/R
35 SOHC Turbo & Non-Turbo 8 Valve						
153 ci	2.5 L	2507cc.	Intake T- 349	1.390	1 11/16	.305 45/R
4	1986-95		Exhaust T- 351	1.210	1 1/2	.345 45/R

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
36 SOHC Turbo & Non-Turbo 8 Valve (Alt)						
153 ci	2.5 L	2507cc	Intake T- 1873	1 3/8	1 11/16	5/16 45/R
4	1989-92	Alt. Int. w 1.600 VI. Hd., .313 depth Exh. w 1.390 VI. Hd., .318 depth	Alt-Int T- 349	1.390	1 11/16	.305 45/R
		Alt. Exh. w 1.394 VI. Hd., .345 depth	Exhaust T- 2148	1.215	1.506	.318
			Alt-Exh T- 351	1.210	1 1/2	.345 45/R
37 SOHC Gas, Carb. & F. I. G54B F & W Series 8 Valve						
153 ci	2.6 L	2555cc	Intake T- 386	1.455	1 3/4	.310 45/R
4	1978-89		Exhaust T- 476	1.220	1 1/2	.315 45/R
38 SOHC Gas, Carb. & F. I. G54B Incl. Turbo (84-89)						
156 ci	2.6 L	2555cc 8 Valve	Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1981-89		Exhaust T- 919	1 5/16	1 5/8	5/16 45
		Alt. exh. w 1.495 VI. Hd., .312 dep	Alt-Exh T- 922	1 9/32	1 5/8	5/16 45/R
39 170 Slant 6, 12 Valve						
170 ci	2.8 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1960-69		Exhaust T- 264	1 1/4	1 7/16	7/32 45
40 173 - OHV. Gas, Carb, 12 Valve Vin W "GM"						
173 ci	2.8 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1984-87		Exhaust T- 264	1 1/4	1 7/16	7/32 45
			Alt-Exh T- 239	1 3/16	1 7/16	7/32 45
41 SOHC Gas, FI, 12 Valve 6G72 Mitsubishi						
181 ci	3 L	2972cc	Intake T- 386	1.455	1 3/4	.310 45/R
6	1987-00		Exhaust T- 542	1.219	1 9/16	.317 45
42 SOHC 24 Valve 6G72 Mitsubishi						
181 ci	3 L	2972cc	Intake T- 654	1 1/8	1 3/8	.305 45/R
6	2001-05		Exhaust T- 693	.982	1.257	.329
43 DOHC 6G72 24 Valve Mitsubishi incl. Turbo						
181 ci	3 L	2972cc	Intake T- 383	1.185	1 7/16	.304 45/R
6	1991-96		Exhaust T- 570	1.045	1 5/16	5/16 45
44 DOHC 6G72 32 Valve Mitsubishi Incl. Turbo						
181 ci	3 L	2972cc	Intake T- 383	1.185	1 7/16	.304 45/R
6	1991-96		Exhaust T- 570	1.045	1 5/16	5/16 45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
45 198 Slant 6- 12 Valve						
198 ci	3.2 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1970-74		Exhaust T- 264	1 1/4	1 7/16	7/32 45
46 199 - 12 Valve AMC						
199 ci	3.3 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1965-70		Exhaust T- 271	1 1/4	1 1/2	7/32 45
47 OHV Chrysler 12 Valve						
201 ci	3.3 L		Intake T- 2033	1.575	1 7/8	.290 45/R
6	1990-10	Alt. Int. w 1.795 VI. Hd., .312 depth	Alt-Int T- 1872	1 9/16	1 7/8	5/16 45/R
			Exhaust T- 1027	1.290	1 9/16	.324 45/R
48 218 - 12 Valve						
218 ci	3.6 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1941-57		Exhaust T- 1074	1 1/4	1 33/64	1/4 45
49 225 GM - 12 Valve						
225 ci	3.7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1965-71		Exhaust T- 239	1 3/16	1 7/16	7/32 45
50 225 Slant 6 - 12 Valve						
225 ci	3.7 L	OHV	Intake T- 986	1 1/2	1 3/4	7/32 45
6	1960-88		Exhaust T- 264	1 1/4	1 7/16	7/32 45
51 226 AMC - 12 Valve						
226 ci	3.7 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1954-65		Exhaust T- 239	1 3/16	1 7/16	7/32 45
52 226 SOHC 12 Valve						
226 ci	3.7 L		Intake T- 1965	1 11/16	2	9/32 30
6	2002-11		Exhaust T- 339	1.203	1 1/2	.280 45/R
53 230 - 12 Valve						
230 ci	3.8 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1942-59		Exhaust T- 1074	1 1/4	1 33/64	1/4 45
54 230 OHV 12 Valve						
230 ci	3.8 L		Intake T- 2033	1.575	1 7/8	.290 45/R
6	1991-09		Exhaust T- 1027	1.290	1 9/16	.324 45/R
55 232 AMC - 12 Valve						
232 ci	3.8 L	OHV	Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1964-79		Exhaust T- 271	1 1/4	1 1/2	7/32 45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
56 232 OHV - 12 Valve						
232 ci	3.8 L		Intake T- 2033	1.575	1 7/8	.290 45/R
6	1991-11		Exhaust T- 1027	1.290	1 9/16	.324 45/R
57 236 - 12 Valve						
236 ci	3.9 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1942-52		Exhaust T- 949	1 3/8	1.640	1/4 45
58 237 - 12 Valve						
237 ci	3.9 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1942-52		Exhaust T- 949	1 3/8	1.640	1/4 45
59 238- F. I. 12 Valve						
238 ci	3.9 L	Int. w 1.624 VI. Hd.	Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1986-91	Exh. w 1.517 VI. Hd.	Exhaust T- 952	1 3/8	1 5/8	7/32 45
60 238- F. I. 12 Valve						
238 ci	3.9 L	Int. w 1.920 VI. Hd.	Intake T- 301	1 3/4	2	7/32 45
6	1992-03	Exh. W 1.624 VI. Hd.	Alt-Int T- 300	1 3/4	2	3/16 45
			Exhaust T- 981	1 7/16	1 11/16	7/32 45
			Alt-Exh T- 1628	1 7/16	1 11/16	3/16 45
61 239 FI OHV 12 Valve						
239 ci	3.9 L	int. w 1.780 VI. Hd.	Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1987-91		Exhaust T- 952	1 3/8	1 5/8	7/32 45
62 239 FI OHV 12 Valve						
239 ci	3.9 L	Int. w 1.920 VI. Hd.	Intake T- 300	1 3/4	2	3/16 45
6	1992-03	Exh w 1.624 VI. Hd.	Exhaust T- 1628	1 7/16	1 11/16	3/16 45
63 241						
241 ci	4 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1942-60		Exhaust T- 957	1 3/8	1 41/64	1/4 45
64 242 AMC OHV Jeep - 12 Valve						
242 ci	4 L		Intake T- 301	1 3/4	2	7/32 45
6	1987-06		Exhaust T- 900	1 5/16	1 9/16	3/16 45
65 250 AMC - 12 Valve						
250 ci	4.1 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1956-62		Exhaust T- 271	1 1/4	1 1/2	7/32 45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
66	251 - 12 Valve					
251 ci	4.1 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1942-68		Exhaust T- 957	1 3/8	1 41/64	1/4 45
			Alt-Exh T- 949	1 3/8	1.640	1/4 45
67	258 AMC OHV - 12 Valve					
258 ci	4.2 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1971-90		Exhaust T- 271	1 1/4	1 1/2	7/32 45
68	265 - 12 Valve					
265 ci	4.3 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1942-60		Exhaust T- 957	1 3/8	1 41/64	1/4 45
			Alt-Exh T- 949	1 3/8	1.640	1/4 45
69	273					
273 ci	4.5 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
8	1964-79	Alt. Int. w 1.780 VI. Hd., .250 depth	Alt-Int T- 1617	1 9/16	1 13/16	1/4 45
			Exhaust T- 952	1 3/8	1 5/8	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .250 depth	Alt-Exh T- 953	1 3/8	1 5/8	1/4 45
70	277 OHV					
277 ci	4.5 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1956-57		Exhaust T- 981	1 7/16	1 11/16	7/32 45
71	287 AMC					
287 ci	4.7 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1963-66		Exhaust T- 271	1 1/4	1 1/2	7/32 45
72	287 SOHC 16 Valve					
287 ci	4.7 L		Intake T- 1965	1 11/16	2	9/32 30
8	1999-11		Exhaust T- 339	1.203	1 1/2	.280 45/R
73	290 AMC					
290 ci	4.8 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1966-69		Exhaust T- 271	1 1/4	1 1/2	7/32 45
74	304 AMC					
304 ci	5 L	OHV	Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1970-81		Exhaust T- 271	1 1/4	1 1/2	7/32 45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
75		318				
318 ci	5.2 L	Int. w 1.844 VI. Hd.	Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1957-67	Alt. Int. w 1.780 VI. Hd., .187 depth	Alt-Int T- 343	1 19/32	2	3/16 45/R
			Exhaust T- 981	1 7/16	1 11/16	7/32 45
		Alt. Exh. w 1.563 VI. Hd., .250 depth	Alt-Exh T- 1884	1 3/8	1 5/8	1/4 45/R
76		318				
318 ci	5.2 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
8	1968-97	Alt. Int. w 1.811 VI. Hd., .250 depth	Alt-Int T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 952	1 3/8	1 5/8	7/32 45
		Alt. Exh. w 1.616 VI. Hd., .218 depth	Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
77		318 (Alt)				
318 ci	5.2 L	Alt. Int. w 1.880 VI. Hd., .218 depth	Intake T- 2867	1 3/4	2	7/32 45/R
8	1968-97	Alt. Exh. w 1.616 VI. Hd., .218 depth	Exhaust T- 986	1 1/2	1 3/4	7/32 45
78		318 (Alt)				
318 ci	5.2 L	Alt. Int. w 1.920 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32 45
8	1968-97	Alt. Exh w 1.624 VI. Hd., .188 depth	Exhaust T- 1628	1 7/16	1 11/16	3/16 45
79		318 Truck & HD Engine w 4 BBL Carb.				
318 ci	5.2 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1981-89	Alt. Int. w 1.880 VI. Hd	Alt-Int T- 301	1 3/4	2	7/32 45
			Exhaust T- 981	1 7/16	1 11/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd	Alt-Exh T- 952	1 3/8	1 5/8	7/32 45
80		318 Chrysler - Dodge Truck				
318 ci	5.2 L	LPG, Propane, Natural Gas	Intake T- 1617	1 9/16	1 13/16	1/4 45
8	1968-94	Alt. Int. w 1.880 VI. Hd., .250 depth	Alt-Int T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 953	1 3/8	1 5/8	1/4 45
		Alt. Exh. w 1.616 VI. Hd., .218 depth	Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
81		318 Chrysler - Dodge Truck (Alt)				
318 ci	5.2 L	Alt. Int. w 1.880 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32 45
8	1968-94		Exhaust T- 953	1 3/8	1 5/8	1/4 45
82		318 Truck				
318 ci	5.2 L	Alt. Int. w 1.811 & 1.844 VI. Hd.	Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1959-81	Alt. Exh. w 1.563, 1.600, & 1.617 VI. Hd.	Exhaust T- 981	1 7/16	1 11/16	7/32 45
83		318 Truck				
318 ci	5.2 L	Alt. Int. w 1.880 VI. Hd.	Intake T- 301	1 3/4	2	7/32 45
8	1968-87	Alt. Exh w 1.500 & 1.517 VI. Hd.	Exhaust T- 952	1 3/8	1 5/8	7/32 45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
84	Chrysler - Dodge Truck					
318 ci	5.2 L	Alt. Int. w 1.920 VI. Hd.	Intake T- 300	1 3/4	2	3/16 45
8	1992-03	Alt. Exh. w 1.624 VI. Hd.	Exhaust T- 1628	1 7/16	1 11/16	3/16 45
85	Chrysler - Dodge Recreational Vehicle M3, M4					
318 ci	5.2 L	OHV	Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1969-75		Exhaust T- 953	1 3/8	1 5/8	1/4 45
86	318 16 Valve					
318 ci	5.2 L	OHV	Intake T- 1617	1 9/16	1 13/16	1/4 45
8	1988-91		Exhaust T- 952	1 3/8	1 5/8	7/32 45
87	318 16 Valve					
318 ci	5.2 L	Alt. Int. w 1.920 VI. Hd.	Intake T- 300	1 3/4	2	3/16 45
8	1992-03	Alt. Exh. w 1.624 VI. Hd.	Exhaust T- 1628	1 7/16	1 11/16	3/16 45
88	Dodge Coronet					
326 ci	5.3 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1959		Exhaust T- 981	1 7/16	1 11/16	7/32 45
89	327 GM AMC					
327 ci	5.4 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1957-70		Exhaust T- 271	1 1/4	1 1/2	7/32 45
90	340 16 Valve					
340 ci	5.6 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1968-71		Exhaust T- 981	1 7/16	1 11/16	7/32 45
		Alt. Exh. w 1.600 VI. Hd., .218 depth	Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
91	340 16 Valve (Alt)					
340 ci	5.6 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1968-73		Exhaust T- 981	1 7/16	1 11/16	7/32 45
92	340					
340 ci	5.6 L		Intake T- 301	1 3/4	2	7/32 45
8	1972-73	Alt. Int. w 1.880 VI. Hd., .218 depth	Alt-Int T- 2867	1 3/4	2	7/32 45/R
		Alt. Exh. w 1.600 VI. Hd., .218 depth	Exhaust T- 986	1 1/2	1 3/4	7/32 45
			Alt-Exh T- 981	1 7/16	1 11/16	7/32 45
93	340 (Alt)					
340 ci	5.6 L	Alt. Int. w 2.020 VI. Hd., .250 depth	Intake T- 321	1 7/8	2 1/8	1/4 45
8	1972-73		Exhaust T- 986	1 1/2	1 3/4	7/32 45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.	
94	343 AMC						
343 ci	5.6 L		Intake T- 318	1 13/16	2 1/8	1/4	45
8	1967-69		Exhaust T- 981	1 7/16	1 11/16	7/32	45
95	345 Hemi 16 Valve						
345 ci	5.7 L	OHV	Intake T- 304	1 3/4	2 1/16	9/32	45
8	2003-09		Exhaust T- 543	1.320	1 5/8	.300	45
96	350 Buick						
350 ci	5.7 L		Intake T- 301	1 3/4	2	7/32	45
8	1968-71		Exhaust T- 952	1 3/8	1 5/8	7/32	45
97	359 Cummins Turbo Diesel - 12 Valve						
359 ci	5.9 L	Universal Seats for head w/o OEM insert	Intake T- 1612	1 1/2	1 7/8	7/32	45
6	1989-98		Exhaust T- 966	1 3/8	1 3/4	7/32	45
98	359 Cummins Turbo Diesel - 12 Valve OEM						
359 ci	5.9 L	Int. OEM #3925177, 3906854	Intake T- 1700	1 1/2	1.853	.273	30/R
6	1989-98	Exh. OEM #3925176	Exhaust T- 1171	1.357	1.722	.265	45/R
99	359 ISB 24 Valve Cummins Turbo						
359 ci	5.9 L	OEM Replacement seats OHV, Diesel FI	Intake T- 2894	1.100	1.375	.227	30
6	1998-09		Exhaust T- 2895	1.100	1.375	.227	45
100	360						
360 ci	5.9 L		Intake T- 301	1 3/4	2	7/32	45
8	1971-80		Exhaust T- 986	1 1/2	1 3/4	7/32	45
101	360						
360 ci	5.9 L	LPG, Propane, Natural Gas	Intake T- 301	1 3/4	2	7/32	45
8	1971-89		Exhaust T- 981	1 7/16	1 11/16	7/32	45
102	360						
360 ci	5.9 L		Intake T- 318	1 13/16	2 1/8	1/4	45
8	1970-91	Alt. Int. w 2.025 VI. Hd., .250 depth	Alt-Int T- 321	1 7/8	2 1/8	1/4	45
			Exhaust T- 983	1 7/16	1 3/4	7/32	45
		Alt. Exh. w 1.625 VI. Hd., .218 depth	Alt-Exh T- 981	1 7/16	1 11/16	7/32	45
103	360						
360 ci	5.9 L		Intake T- 301	1 3/4	2	7/32	45
8	1971-95	Alt. Int. w 1.811 VI. Hd., .250 depth	Alt-Int T- 1633	1 11/16	1 15/16	1/4	45
			Exhaust T- 986	1 1/2	1 3/4	7/32	45
		Alt. Exh. w 1.563 VI. Hd., .218 depth	Alt-Exh T- 981	1 7/16	1 11/16	7/32	45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
104	360 16 Valve w F. I.					
360 ci	5.9 L	Int. w 1.880 VI. Hd.	Intake T- 301	1 3/4	2	7/32 45
8	1989-92	Exh. w 1.617 VI. Hd.	Exhaust T- 981	1 7/16	1 11/16	7/32 45
105	360 16 Valve w F. I.					
360 ci	5.9 L	Int. w 1.920 VI. Hd.	Intake T- 300	1 3/4	2	3/16 45
8	1993-03	Exh. w 1.624 VI. Hd.	Exhaust T- 1628	1 7/16	1 11/16	3/16 45
106	360-3 HD Truck, 500, 600 Series					
360 ci	5.9 L	Alt. Int. w 1.880 VI. Hd., .218 depth	Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1975-79		Alt-Int T- 301	1 3/4	2	7/32 45
			Exhaust T- 953	1 3/8	1 5/8	1/4 45
			Alt-Exh T- 981	1 7/16	1 11/16	7/32 45
107	360-3 HD Truck, 500, 600 Series (Alt)					
360 ci	5.9 L	Alt. Exh. w 1.740 VI. Hd., .250 depth	Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1975-79		Exhaust T- 1627	1 5/8	1 7/8	1/4 45
108	360-3 Motorhome					
360 ci	5.9 L		Intake T- 301	1 3/4	2	7/32 45
8	1976-77		Exhaust T- 1627	1 5/8	1 7/8	1/4 45
109	361 500-600 - Pass. Car					
361 ci	5.9 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1959-68		Exhaust T- 986	1 1/2	1 3/4	7/32 45
110	361 Truck					
361 ci	5.9 L	Industrial, LPG, Propane & Natural Gas, 500, 600, 700, 800, 850, 900, 1000 Series	Intake T- 301	1 3/4	2	7/32 45
8	1960-78		Exhaust T- 1840	1.333	1.626	3/8 45
111	383					
383 ci	6.3 L	Alt. Int. w 2.080 VI. Hd., .187 depth	Intake T- 318	1 13/16	2 1/8	1/4 45
8	1959-60		Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
112	383					
383 ci	6.3 L	Alt. Exh. w 1.740 VI. Hd., .218 depth	Intake T- 318	1 13/16	2 1/8	1/4 45
8	1960-67		Exhaust T- 986	1 1/2	1 3/4	7/32 45
			Alt-Exh T- 1635	1 1/2	1 13/16	7/32 45/R

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.
113		383 (Alt)				
383 ci	6.3 L	Alt. Int. w 2.080 VI. Hd., .188 depth	Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1960-67	Alt. Exh. w 1.600 VI. Hd., .188 depth	Exhaust T- 1631	1 7/16	1 3/4	3/16 45/R
114		383				
383 ci	6.3 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1968-71		Exhaust T- 1627	1 5/8	1 7/8	1/4 45
		Alt. Exh. w 1.740 VI. Hd., .218 depth	Alt-Exh T- 1635	1 1/2	1 13/16	7/32 45/R
115		383 (Alt)				
383 ci	6.3 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1968-71	Alt. Exh. w 1.740 VI. Hd., .250 depth	Exhaust T- 1620	1 9/16	1 7/8	1/4 45
116		390 AMC				
390 ci	6.4 L		Intake T- 301	1 3/4	2	7/32 45
8	1968-70		Exhaust T- 981	1 7/16	1 11/16	7/32 45
		Alt. Exh. w 1.680 VI. Hd., .218 depth	Alt-Exh T- 983	1 7/16	1 3/4	7/32 45
117		390 AMC (Alt)				
390 ci	6.4 L		Intake T- 301	1 3/4	2	7/32 45
8	1968-70	Alt. Exh. w 1.620 VI. Hd., .218 depth	Exhaust T- 986	1 1/2	1 3/4	7/32 45
118		400				
400 ci	6.6 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1972-80	Alt. Int. w 2.080 VI. Hd., .188 depth	Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1627	1 5/8	1 7/8	1/4 45
		Alt. Exh. w 1.740 VI. Hd., .218 depth	Alt-Exh T- 1635	1 1/2	1 13/16	7/32 45/R
119		400 (Alt)				
400 ci	6.6 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1972-80	Alt. Exh. w 1.740 VI. Hd., .250 depth	Exhaust T- 1620	1 9/16	1 7/8	1/4 45
120		400 LPG, Propane, Natural Gas				
400 ci	6.6 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1972-80	Alt. Int. w 2.080 VI. Hd., .188 depth	Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1627	1 5/8	1 7/8	1/4 45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.	
121	401 AMC						
401 ci	6.6 L	OHV	Intake T- 318	1 13/16	2 1/8	1/4	45
8	1971-78		Exhaust T- 986	1 1/2	1 3/4	7/32	45
122	408 ISB 24 Valve Cummins Turbo						
408 ci	6.7 L	OHV, Diesel, FI	Intake T- 2894	1.100	1.375	.227	30
6	2007-09		Exhaust T- 2895	1.100	1.375	.227	45
123	413 16 Valve						
413 ci	6.7 L		Intake T- 318	1 13/16	2 1/8	1/4	45
8	1959-65	Alt. Int. w 1.880 VI. Hd., .218 depth	Alt-Int T- 301	1 3/4	2	7/32	45
			Exhaust T- 986	1 1/2	1 3/4	7/32	45
124	413 16 Valve (Alt)						
413 ci	6.7 L	Alt. Int. w 2.080 VI. Hd., .188 depth	Intake T- 1759	1 15/16	2 1/4	3/16	45
8	1959-65		Exhaust T- 986	1 1/2	1 3/4	7/32	45
125	413 16 Valve including Truck						
413 ci	6.7 L	LPG, Propane, & Natural Gas	Intake T- 301	1 3/4	2	7/32	45
8	1960-79		Exhaust T- 1840	1.333	1.626	3/8	45
126	440						
440 ci	7.2 L		Intake T- 318	1 13/16	2 1/8	1/4	45
8	1966-67	Alt. Int. w 2.080 VI. Hd., .188 depth	Alt-Int T- 1759	1 15/16	2 1/4	3/16	45
			Exhaust T- 986	1 1/2	1 3/4	7/32	45
		Alt. Exh. w 1.740 VI. Hd., .218 depth	Alt-Exh T- 1626	1 5/8	1 7/8	7/32	45
127	440 Truck & Industrial, LPG, Propane, & Nat. Gas						
440 ci	7.2 L		Intake T- 318	1 13/16	2 1/8	1/4	45
8	1968-80	Alt. Int. w 2.080 VI. Hd. , .188 Dep	Alt-Int T- 1759	1 15/16	2 1/4	3/16	45
			Exhaust T- 1627	1 5/8	1 7/8	1/4	45
		Alt. Exh. w 1.740 VI. Hd. , .218 Dep	Alt-Exh T- 1513	1 1/2	1 3/4	7/32	45/R
128	440 - 4 Bbl & High Performance						
440 ci	7.2 L		Intake T- 1759	1 15/16	2 1/4	3/16	45
8	1968-78		Exhaust T- 1627	1 5/8	1 7/8	1/4	45
129	440 Except High Performance						
440 ci	7.2 L		Intake T- 1759	1 15/16	2 1/4	3/16	45
8	1966-78		Exhaust T- 986	1 1/2	1 3/4	7/32	45

CHRYSLER AUTOMOTIVE

		Part No.	ID	OD	Depth	Ang.	
130	488 20 Valve "Car"						
488 ci	8 L	OHV	Intake T- 2371	1 11/16	2 1/16	3/8	45
10	1992-02		Exhaust T- 919	1 5/16	1 5/8	5/16	45

131	488 20 Valve "Truck"						
488 ci	8 L	OHV	Intake T- 2157	1.563	2.068	.219	
10	1994-03		Exhaust T- 960	1 3/8	1 11/16	7/32	45

CHRYSLER INDUSTRIAL & MARINE

		Part No.	ID	OD	Depth	Ang.	
1	M2						
8	1961-73		Intake T- 987	1 1/2	1 3/4	1/4	45
			Exhaust T- 952	1 3/8	1 5/8	7/32	45

2	IND5, IND5A						
218 ci	3.6 L	12 Valve	Intake T- 952	1 3/8	1 5/8	7/32	45
6	1950-73		Exhaust T- 1074	1 1/4	1 33/64	1/4	45

3	Ind. # 9						
8			Intake T- 952	1 3/8	1 5/8	7/32	45
			Exhaust T- 255	1 7/32	1.463	1/4	45

4	Ind. # 11						
6			Intake T- 304	1 3/4	2 1/16	9/32	45
			Exhaust T- 2822	1 9/32	1 7/8	1/2	45

5	12, Ind. #12						
			Intake T- 952	1 3/8	1 5/8	7/32	45
			Exhaust T- 255	1 7/32	1.463	1/4	45

6	Ind. # 12A						
8			Intake T- 952	1 3/8	1 5/8	7/32	45
			Exhaust T- 255	1 7/32	1.463	1/4	45

7	13						
6			Intake T- 304	1 3/4	2 1/16	9/32	45
			Exhaust T- 2822	1 9/32	1 7/8	1/2	45

8	Ind. #14, 14A						
6	1950-56		Intake T- 309	1 3/4	2 1/8	5/16	45
			Exhaust T- 2825	1 7/16	1.876	1/2	45/R

9	15						
6	1950-56		Intake T- 309	1 3/4	2 1/8	5/16	45
			Exhaust T- 2825	1 7/16	1.876	1/2	45/R

CHRYSLER INDUSTRIAL & MARINE

		Part No.	ID	OD	Depth	Ang.
10	15A					
6	1950-56	Intake T- 309	1 3/4	2 1/8	5/16	45
		Exhaust T- 2825	1 7/16	1.876	1/2	45/R
11	IND20					
230 ci	3.8 L	Intake T- 1617	1 9/16	1 13/16	1/4	45
8		Exhaust T- 1074	1 1/4	1 33/64	1/4	45
12	Ind. #20A					
		Intake T- 1620	1 9/16	1 7/8	1/4	45
		Exhaust T- 975	1 13/32	1.690	15/64	45
13	22A					
6	1950-56	Intake T- 309	1 3/4	2 1/8	5/16	45
		Exhaust T- 2825	1 7/16	1.876	1/2	45/R
14	Ind. # 24					
		Intake T- 1958	1 13/16	2	7/32	45
		Exhaust T- 1702	1 5/8	1.938	1/2	45
15	32 Marine					
	1950-69	Intake T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 949	1 3/8	1.640	1/4	45
16	34					
6	1950-56	Intake T- 309	1 3/4	2 1/8	5/16	45
		Exhaust T- 2825	1 7/16	1.876	1/2	45/R
17	36					
6	1950-56	Intake T- 309	1 3/4	2 1/8	5/16	45
		Exhaust T- 2825	1 7/16	1.876	1/2	45/R
18	Marine M49 Majestic					
6		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 2822	1 9/32	1 7/8	1/2	45
19	56					
		Intake T- 1958	1 13/16	2	7/32	45
		Exhaust T- 1702	1 5/8	1.938	1/2	45
20	56A					
		Intake T- 1958	1 13/16	2	7/32	45
		Exhaust T- 1702	1 5/8	1.938	1/2	45
21	155 12 Valve					
155 ci	2.5 L	Intake T- 987	1 1/2	1 3/4	1/4	45
6		Exhaust T- 271	1 1/4	1 1/2	7/32	45

CHRYSLER INDUSTRIAL & MARINE

		Part No.	ID	OD	Depth	Ang.
22	170 Industrial Power Unit					
170 ci 6	2.8 L	12 Valve	Intake T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45
23	170 Slant 6 Marine					
170 ci 6	2.8 L		Intake T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45
24	H170, HB170, HC170 & IND170					
170 ci 6	2.8 L	Industrial Power Unit 12 Valve	Intake T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 239	1 3/16	1 7/16	7/32 45
25	198 Industrial Power Unit					
198 ci 6	3.2 L	12 Valve	Intake T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45
26	198 Slant 6 Marine					
198 ci 6	3.2 L		Intake T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45
27	201 Industrial Power Unit					
201 ci 6	3.3 L	T50, T57, T81, T105, T125, PC Marine 12 Valve	Intake T- 929	1 5/16	1 9/16	7/32 45
			Exhaust T- 931	1 5/16	1.578	1/4 45
28	T112					
218 ci 6	3.6 L	12 Valve	Intake T- 952	1 3/8	1 5/8	7/32 45
			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
29	218 L6 Marine					
218 ci 6	3.6 L	M6, M16, M26, M36, M36 Ace, M46, M46 Ace, M46 Ace Special	Intake T- 952	1 3/8	1 5/8	7/32 45
			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
30	218 Industrial Power Unit					
218 ci 6	3.6 L	3, 3A, 5, 5A, 6, 6A, 10, T40, T41, T42 12 Valve	Intake T- 952	1 3/8	1 5/8	7/32 45
			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
31	225 Industrial Power Unit					
225 ci 6	3.7 L	H225, HA225, HB225, HC225, IND225 12 Valve	Intake T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45
		Alt. Exh. w 1.360 VI. Hd., .318 depth	Alt-Exh T- 239	1 3/16	1 7/16	7/32 45
32	225 Slant 6 Marine					
225 ci 6	3.7 L	M225A, M225D, M225DT	Intake T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45

CHRYSLER INDUSTRIAL & MARINE

		Part No.	ID	OD	Depth	Ang.	
33	225 12 Valve						
225 ci 6	3.7 L		Intake T- 987 Exhaust T- 271	1 1/2 1 1/4	1 3/4 1 1/2	1/4 7/32	45 45
34	230 Industrial Power Unit						
230 ci 6	3.8 L	IND 3, 3A, 5, 5A, 6, 6A, 30, 30A, 31, HT931, T96, T112, T116 12 Valve	Intake T- 952 Exhaust T- 1074	1 3/8 1 1/4	1 5/8 1 33/64	7/32 1/4	45 45
35	230 L6 Marine						
230 ci 6	3.8 L	M6, M16, M26, M36, M36 Ace, M46, M46 Ace, M46 Ace Special	Intake T- 952 Exhaust T- 1074	1 3/8 1 1/4	1 5/8 1 33/64	7/32 1/4	45 45
36	237 Industrial Power Unit						
237 ci 6	3.9 L	IND7, 7A, 8, 8A, T74, T76, T78, T98, T100, T118, T120 12 valve	Intake T- 1617 Exhaust T- 953	1 9/16 1 3/8	1 13/16 1 5/8	1/4 1/4	45 45
37	241 Industrial Power Unit						
241 ci 6	4 L	IND18, IND18A	Intake T- 1617 Alt-Int T- 986 Exhaust T- 1074	1 9/16 1 1/2 1 1/4	1 13/16 1 3/4 1 33/64	1/4 7/32 1/4	45 45 45
38	M250						
250 ci 8	4.1 L	V8 Marine	Intake T- 1922 Exhaust T- 982	1 5/8 1 7/16	2 1 11/16	9/32 1/4	45 45
39	251 Industrial Power Unit						
251 ci 6	4.1 L	IND7, 7A, 8, 8-213, 8-231, 8A, IND251 12 valve	Intake T- 1617 Exhaust T- 953	1 9/16 1 3/8	1 13/16 1 5/8	1/4 1/4	45 45
40	251 L6 Marine						
251 ci 6	4.1 L	M7, M17, M27, M37, M47C, M47CS, M265A	Intake T- 1617 Exhaust T- 957 Alt-Exh T- 949	1 9/16 1 3/8 1 3/8	1 13/16 1 41/64 1.640	1/4 1/4 1/4	45 45 45
41	259 Industrial Power Unit						
259 ci 8	4.3 L	IND52, IND259	Intake T- 986 Exhaust T- 1074	1 1/2 1 1/4	1 3/4 1 33/64	7/32 1/4	45 45
42	265 Industrial Power Unit						
265 ci 6	4.3 L	IND16, 16A, 32, 33, H908A 12 Valve	Intake T- 1617 Exhaust T- 953	1 9/16 1 3/8	1 13/16 1 5/8	1/4 1/4	45 45

CHRYSLER INDUSTRIAL & MARINE

		Part No.	ID	OD	Depth	Ang.
43	265 L6 Marine					
265 ci 6	4.3 L	M7, M17, M27, M37, M47C, M47CS, M265A	Intake T- 1617	1 9/16	1 13/16	1/4 45
			Exhaust T- 957	1 3/8	1 41/64	1/4 45
			Alt-Exh T- 949	1 3/8	1.640	1/4 45
44	270					
270 ci 8	4.4 L	IND52	Intake T- 986	1 1/2	1 3/4	7/32 45
			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
45	273 Industrial Power Unit					
273 ci 8	4.5 L	IND19, 19A, 52, 54, IND273	Intake T- 986	1 1/2	1 3/4	7/32 45
			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
46	273					
273 ci 8	4.5 L		Intake T- 953	1 3/8	1 5/8	1/4 45
			Exhaust T- 1617	1 9/16	1 13/16	1/4 45
47	276					
276 ci 8	4.5 L	IND19, 19A	Intake T- 986	1 1/2	1 3/4	7/32 45
			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
48	315 Industrial Power Unit					
315 ci 8	5.1 L	IND53, IND54	Intake T- 986	1 1/2	1 3/4	7/32 45
			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
49	318 Industrial Power Unit					
318 ci 8	5.2 L	IND318, H318, HA318, HB318, HC318, HT318	Intake T- 1905	1 9/16	2	1/4 45
			Alt-Int T- 301	1 3/4	2	7/32 45
		Alternate Intake & Exhaust	Exhaust T- 981	1 7/16	1 11/16	7/32 45
			Alt-Exh T- 982	1 7/16	1 11/16	1/4 45
50	LH318, LT318 Industrial Power Unit					
318 ci 8	5.2 L		Intake T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 952	1 3/8	1 5/8	7/32 45
51	V8 Marine w/ Hydraulic Lifters					
318 ci 8	5.2 L	M80, M80A	Intake T- 1905	1 9/16	2	1/4 45
			Exhaust T- 981	1 7/16	1 11/16	7/32 45

CHRYSLER INDUSTRIAL & MARINE

		Part No.	ID	OD	Depth	Ang.
52 V8 Marine w/ Mech. Lifters						
318 ci	5.2 L	M318A, M318B, M318G	Intake T- 301	1 3/4	2	7/32 45
8		Alt. Int. w 1.880 VI. Hd., .218 depth	Alt-Int T- 2867	1 3/4	2	7/32 45/R
			Exhaust T- 982	1 7/16	1 11/16	1/4 45
53 324 V8 Marine						
324 ci	5.3 L	M8, M18, M28, M38, M48 Royal	Intake T- 952	1 3/8	1 5/8	7/32 45
8			Exhaust T- 244	1 3/16	1 1/2	1/4 45
54 331 IND54						
331 ci	5.4 L		Intake T- 986	1 1/2	1 3/4	7/32 45
8			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
55 331 V8 Marine						
331 ci	5.4 L	M45S - Early	Intake T- 1620	1 9/16	1 7/8	1/4 45
8			Exhaust T- 962	1 3/8	1 11/16	1/4 45
56 331 V8 Marine						
331 ci	5.4 L	M45S - Late	Intake T- 308	1 3/4	2 1/8	9/32 45
8			Exhaust T- 952	1 3/8	1 5/8	7/32 45
57 331 Industrial Power Unit						
331 ci	5.4 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
8			Exhaust T- 1074	1 1/4	1 33/64	1/4 45
58 340 V8 Marine						
340 ci	5.6 L	LM340B, LM340BD	Intake T- 301	1 3/4	2	7/32 45
8			Exhaust T- 982	1 7/16	1 11/16	1/4 45
59 360 V8 Marine						
360 ci	5.6 L	M360	Intake T- 1922	1 5/8	2	9/32 45
8			Exhaust T- 986	1 1/2	1 3/4	7/32 45
60 361 Industrial & Non-LPG Power Unit						
361 ci	5.9 L	HB361, HC361, HT361	Intake T- 301	1 3/4	2	7/32 45
8			Exhaust T- 1512	1 5/16	1 5/8	.395 45
61 361 Industrial & LPG Power Unit						
361 ci	5.9 L	IND361, HB361, HC361, HT361	Intake T- 301	1 3/4	2	7/32 45
8		Alt. Int. w 1.880 VI. Hd., .218 depth	Alt-Int T- 2867	1 3/4	2	7/32 45/R
			Exhaust T- 1840	1.333	1.626	3/8 45

CHRYSLER INDUSTRIAL & MARINE

		Part No.	ID	OD	Depth	Ang.
62 H361 Industrial Power Unit						
361 ci 8	5.9 L	Alt. Exh. w tapered I.D.	Intake T- 319	1 13/16	2 3/16	9/32 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
			Alt-Exh T- 1631	1 7/16	1 3/4	3/16 45/R
63 M81, M81 Imperial						
361 ci 8	5.9 L	V8 Marine Alt. Exh. w 1.500 VI. Hd., .395 depth	Intake T- 301	1 3/4	2	7/32 45
			Exhaust T- 1840	1.333	1.626	3/8 45
			Alt-Exh T- 1512	1 5/16	1 5/8	.395 45
64 375						
375 ci 8	6.1 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1627	1 5/8	1 7/8	1/4 45
65 383 Industrial Power Unit						
383 ci 8	6.3 L	IND383, H383, HA383, HB383 Alt. Exh. w tapered I.D.	Intake T- 319	1 13/16	2 3/16	9/32 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
			Alt-Exh T- 1631	1 7/16	1 3/4	3/16 45/R
66 M383B, M383BD						
383 ci 8	6.3 L	V8 Marine	Intake T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 987	1 1/2	1 3/4	1/4 45
67 400 Industrial Power Unit						
400 ci 8	6.6 L	IND400, H400, M400 V8 Marine	Intake T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1627	1 5/8	1 7/8	1/4 45
68 413 Industrial Power Unit						
413 ci 8	6.7 L	IND413, 22, 22A, H413	Intake T- 319	1 13/16	2 3/16	9/32 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
69 HB413, HC413, HT413						
413 ci 8	6.7 L	Alt. Int. w 1.880 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32 45
			Alt-Int T- 2867	1 3/4	2	7/32 45/R
			Exhaust T- 1840	1.333	1.626	3/8 45
			Alt-Exh T- 1512	1 5/16	1 5/8	.395 45

CHRYSLER INDUSTRIAL & MARINE

		Part No.	ID	OD	Depth	Ang.
70	M413B, M413D, M413E					
413 ci 8	6.7 L	V8 Marine	Intake T- 806	2	2 3/8	9/32 45
			Exhaust T- 987	1 1/2	1 3/4	1/4 45
71	426 Industrial Power Unit					
426 ci 8	7 L	IND426, H426	Intake T- 301	1 3/4	2	7/32 45
			Exhaust T- 1840	1.333	1.626	3/8 45
		Alt. Exh. w 1.500 VI. Hd., .395 depth	Alt-Exh T- 1512	1 5/16	1 5/8	.395 45
72	M426B, M426D					
426 ci 8	7 L	V8 Marine	Intake T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 987	1 1/2	1 3/4	1/4 45
73	440 Industrial Power Unit					
440 ci 8	7.2 L	IND440, H440	Intake T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1627	1 5/8	1 7/8	1/4 45
74	M440B, M440D, M440BD, M440S					
440 ci 8	7.2 L	V8 Marine	Intake T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1627	1 5/8	1 7/8	1/4 45

CITROEN

		Part No.	ID	OD	Depth	Ang.
1	All Models					
6	1948-60		Exhaust T- 223	1 1/8	1 3/8	7/32 45

CLARK BROTHERS

		Part No.	ID	OD	Depth	Ang.
1	BA, Air Starter Valve, HBAT, TLA Fuel Inj. Insert					
		OEM #338-646-001	Intake T- 1738	1 3/4	2 1/4	3/8 45
2	BA, Fuel Inj. Seat; HBA; HBAT; HLA					
			Intake Q- 2000	2	3.468	1.718 45
3	BA- Fuel Inj. Insert					
			Intake T- 809	2	2.437	1/4 45

CLARK BROTHERS

		Part No.	ID	OD	Depth	Ang.
4	FG 10 X 12 Gas					
		Intake T- 2234	3 1/2	4 3/8	29/64	45
		Exhaust T- 2102	3 1/8	4	3/4	45
5	HMA Fuel Inj.					
	OEM #250-540-001	Intake T- 240	1 3/16	1 7/16	1/4	45
6	HMA Fuel Inj. Insert					
	OEM #250-456-001	Intake T- 2320	5/8	.875	1/4	45
7	HR, HRA, HRAT, HS, HSRA, RA Fuel Inj. Insert					
	OEM #328-260-001	Intake T- 938	1 5/16	1 11/16	1/4	45
8	HRA, HRAT, HSRA, RA, TRA, Fuel Inj. Insert					
	OEM #108-322-001	Intake T- 9409	1 5/16	2.720	1 5/8	45
9	HRA-RA Air Starting Valve					
		Exhaust T- 9307	1 1/4	1.718	1 1/2	45
10	HRA Fuel Injection Seat					
	OEM #R78677R	Intake Q- 7867	1 5/16	2.339	1.906	45/C
11	MA Fuel Inj. Insert					
	OEM #260-019-001	Intake T- 120	7/8	1 1/8	1/4	45
12	RAS Fuel Inj. Insert					
	OEM #108-580-001	Intake T- 9402	1 3/4	2.720	1 9/16	45
13	TCVC Fuel Valve Insert					
	OEM #217-906-001	Intake T- 813	2	2 1/2	3/8	45
14	TCVD Fuel Injection					
	OEM #R78677A	Intake Q- 8676	1.750	2.840	1.468	45/C
15	TLA - 1 3/4 Fuel Injection Seat					
	OEM #318-335-001	Intake Q- 0035	1 3/4	3.468	1 5/8	45
		Exhaust Q- 0035	1 3/4	3.468	1 5/8	45

CLARK BROTHERS

		Part No.	ID	OD	Depth	Ang.
16	TLA, HBA Fuel Injection seat					
	OEM #R78677B	Intake Q- 8678	1.750	2.840	2.093	45
	Alt. Int. OEM #R78677A	Alt-Int Q- 8676	1.750	2.840	1.468	45/C
17	TMB-10 Gas Inj. Insert					
	OEM #260-019-001	Intake T- 132	7/8	1.125	1/4	45
18	TRA Fuel Injection Seat					
	OEM #R78677Y	Intake Q- 3719	1.312	2.339	3.719	45
19	TVM Fuel Inj.					
	OEM #290-050-001	Intake T- 245	1	1 5/16	1/4	45
20	VRA Fuel Injection Seat					
	OEM #R78677W	Intake Q- 8687	1.500	2.943	1.250	45/C
21	Z Old Head					
		Exhaust T- 2206	3 3/4	4 3/4	51/64	45
22	Z New Head					
	OEM #74359C	Exhaust T- 6522	3 1/4	4 1/16	3/4	45

CLIMAX

		Part No.	ID	OD	Depth	Ang.
1	Arrow C46					
		Intake T- 1815	1 1/2	1 7/8	3/8	45
2	Arrow C66					
		Intake T- 1735	1 3/4	2 3/16	7/16	45
3	Arrow C96					
		Intake T- 2005	2 3/16	2 1/2	11/16	45/R

CLIMAX

		Part No.	ID	OD	Depth	Ang.
4	C96					
		Exhaust T- 2004	2 3/16	2 9/16	3/4	45
5	Arrow C106					
	Int. OEM #172020	Intake T- 605	2 3/8	2 15/16	9/16	45
6	C255					
	Int. OEM #172020	Intake T- 605	2 3/8	2 15/16	9/16	45
7	GV6					
8		Exhaust T- 604	2 3/8	2 15/16	1/2	45
8	K67, V8, V12, V85, V125					
	Int. OEM #172019	Intake T- 440	2 1/2	2 15/16	3/8	45
		Alt-Int T- 409	2 1/2	3	3/8	45
	Exh. OEM# 172020	Exhaust T- 605	2 3/8	2 15/16	9/16	45
	Alternate Oversizes	Alt-Exh T- 610	2 3/8	3	9/16	45
9	N & R Series, R61					
4,8		Exhaust T- 2005	2 3/16	2 1/2	11/16	45/R
10	Witte B-12					
	Int. OEM #47-313-236	Intake T- 1318	2 1/8	2 1/2	1/4	30
	Exh. OEM# 47-313-117, B6425	Exhaust T- 1753	1 7/8	2 1/4	1/4	45

CONTINENTAL

		Part No.	ID	OD	Depth	Ang.
1	A5, A8					
		Intake T- 108	3/4	31/32	9/64	45
		Exhaust T- 108	3/4	31/32	9/64	45
2	16R,18R,20R,21R,22R,29R,30B,30R,31R,32R,33B,33R					
		Intake T- 319	1 13/16	2 3/16	9/32	45
		Exhaust T- 308	1 3/4	2 1/8	9/32	45
3	31B,32B					
		Intake T- 1302	2 1/16	2 3/8	5/16	45
		Exhaust T- 1922	1 5/8	2	9/32	45

CONTINENTAL

	Part No.	ID	OD	Depth	Ang.
4	34B,35B,P57A,P65A,P73A,P75A				
		Intake T- 319	1 13/16	2 3/16	9/32 45
		Exhaust T- 308	1 3/4	2 1/8	9/32 45
5	P37A, P80A, PR501, R800				
		Exhaust T- 308	1 3/4	2 1/8	9/32 45
6	41B,42B,42BX,B371,B405,B427,B6371,B6405,B6427				
	T371, T427, T6371, T6427, TD427, TD6427	Intake T- 308	1 3/4	2 1/8	9/32 45
		Exhaust T- 1812	1 1/2	1 7/8	23/64 45
7	46B,48B,48BD,R513,R572,R586,R602				
		Intake T- 806	2	2 3/8	9/32 45
		Exhaust T- 1735	1 3/4	2 3/16	7/16 45
8	C66				
		Exhaust T- 1735	1 3/4	2 3/16	7/16 45
9	AU75, AU75R				
		Intake T- 222	1 1/8	1 3/8	3/16 45
		Exhaust T- 2343	15/16	1 3/16	9/64 45
10	C96				
	New Style	Intake T- 2005	2 3/16	2 1/2	11/16 45/R
		Exhaust T- 2005	2 3/16	2 1/2	11/16 45/R
11	AD10,AU10,AU10R,AW10				
		Intake T- 2343	15/16	1 3/16	9/64 45
		Exhaust T- 2343	15/16	1 3/16	9/64 45
12	T371,T427,T6371,T6427,TD427,TD6427				
		Intake T- 308	1 3/4	2 1/8	9/32 45
		Exhaust T- 1815	1 1/2	1 7/8	3/8 45
13	OS600, OS6202				
		Intake T- 951	1 3/8	1 5/8	7/32 30
		Exhaust T- 218	1 1/16	1 7/16	3/16 45
14	V603,V8603				
		Intake T- 1350	2 1/4	2 5/8	5/16 45
		Exhaust T- 1755	1 7/8	2 1/4	9/32 45
15	R749				
		Intake T- 1329	2 5/32	2 9/16	3/8 45
	Exh. OEM #8M9810	Exhaust T- 814	2	2 1/2	1/2 45

CONTINENTAL

		Part No.	ID	OD	Depth	Ang.
16	SD802,SD6802					
		Intake T- 1337	2 3/16	2 5/8	5/16	45
		Exhaust T- 1761	1 15/16	2 1/4	9/32	45
17	R6513,R6572,R6586,R6602					
		Intake T- 806	2	2 3/8	9/32	45
		Exhaust T- 1735	1 3/4	2 3/16	7/16	45
18	S6749,S6820,S749,S820					
		Intake T- 1353	2 1/4	2 11/16	5/16	45
		Exhaust T- 812	2	2 1/2	9/32	45
19	A, N50, N62, N4062					
62 ci	1 L	Intake T- 110	3/4	1	3/16	45
4	1948-66	Exhaust T- 110	3/4	1	3/16	45
20	LY69,PY69,TC56,V4069,Y69,Y4069 Eng.					
69 ci	1.1 L	Intake T- 214	1 1/16	1 5/16	3/16	45
4		Exhaust T- 115	7/8	1 1/8	7/32	45
21	LY91,PY91,PT112,TC56,Y91,Y112,Y4112,Y69,Y4091 Eng.					
91 ci	1.5 L	Intake T- 214	1 1/16	1 5/16	3/16	45
4		Exhaust T- 115	7/8	1 1/8	7/32	45
22	BY4112,PY112,Y112,Y4112 Eng.					
112 ci	1.8 L	Intake T- 214	1 1/16	1 5/16	3/16	45
4		Exhaust T- 115	7/8	1 1/8	7/32	45
23	Z120 Eng.					
120 ci	2 L	Intake T- 115	7/8	1 1/8	7/32	45
4	1948-56	Exhaust T- 115	7/8	1 1/8	7/32	45
24	A4124, F124, Dynatork, F4124, LF124, PF124, C413					
124 ci	2.1 L	Intake T- 952	1 3/8	1 5/8	7/32	45
4	1935-64	Exhaust T- 239	1 3/16	1 7/16	7/32	45
	Alternate Exhaust	Alt-Exh T- 217	1 1/16	1 3/8	3/16	45
25	Z129 Eng.					
129 ci	2.1 L	Intake T- 222	1 1/8	1 3/8	3/16	45
4		Exhaust T- 205	1	1 1/4	7/32	45
26	ZB129 Eng.					
129 ci	2.1 L	Intake T- 223	1 1/8	1 3/8	7/32	45
4		Exhaust T- 201	1	1 3/16	3/16	45

CONTINENTAL

		Part No.	ID	OD	Depth	Ang.
27 G134 Eng.						
134 ci	2.2 L		Intake T- 239	1 3/16	1 7/16	7/32 45
4			Exhaust T- 214	1 1/16	1 5/16	3/16 45
28 Z134 Eng.						
134 ci	2.2 L		Intake T- 222	1 1/8	1 3/8	3/16 45
4			Exhaust T- 205	1	1 1/4	7/32 45
29 F135 Eng.						
135 ci	2.2 L	Also for LPG, Propane, Nat Gas	Intake T- 952	1 3/8	1 5/8	7/32 45
4	1935-64	Exh. w 1.203 VI. Hd., .188 dep	Exhaust T- 217	1 1/16	1 3/8	3/16 45
			Alt-Exh T- 220	1 3/32	1 11/32	13/64 45
30 F140,F4140,LF140,PF140 Eng.						
140 ci	2.3 L	Also for LPG, Propane, NG	Intake T- 952	1 3/8	1 5/8	7/32 45
4	1935-64	Exh. w 1.328 VI. Hd., .218 dep	Exhaust T- 239	1 3/16	1 7/16	7/32 45
		Alt. Exh. w 1.203 VI. Hd., .188 dep	Alt-Exh T- 217	1 1/16	1 3/8	3/16 45
31 Z145 Eng.						
145 ci	2.4 L		Intake T- 222	1 1/8	1 3/8	3/16 45
4			Exhaust T- 205	1	1 1/4	7/32 45
32 G157 Gas & GD157 Diesel						
157 ci	2.6 L		Intake T- 239	1 3/16	1 7/16	7/32 45
4			Exhaust T- 214	1 1/16	1 5/16	3/16 45
33 F162 Series, F4162 Series NG, Propane, LPG						
162 ci	2.6 L	F162A, F4162A, F4162C, FA4162, FS162, LF162, PF162	Intake T- 952	1 3/8	1 5/8	7/32 45
4	1935-64	OEM Exh. w 1.328 VI. Hd., .218 depth	Exhaust T- 239	1 3/16	1 7/16	7/32 45
		Alt. Exh. w 1.203 VI. Hd., .187 depth	Alt-Exh T- 217	1 1/16	1 3/8	3/16 45
34 F163, F4163 Gas & LPG, Propane, NG Eng.						
163 ci	2.7 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1935-64		Exhaust T- 220	1 3/32	1 11/32	13/64 45
		Alt. Exh. w 1.203 VI. Hd., .218 depth	Alt-Exh T- 223	1 1/8	1 3/8	7/32 45
35 G176 Gas & LPG, Propane, NG						
176 ci	2.9 L		Intake T- 239	1 3/16	1 7/16	7/32 45
4	1958-65		Exhaust T- 220	1 3/32	1 11/32	13/64 45
		Alt. Exh. w 1.203 VI. Hd., .218 depth	Alt-Exh T- 223	1 1/8	1 3/8	7/32 45

CONTINENTAL

		Part No.	ID	OD	Depth	Ang.
36 F186, F6186 Eng.						
186 ci	3 L	12 Valve	Intake T- 952	1 3/8	1 5/8	7/32 45
6	1938-64		Exhaust T- 239	1 3/16	1 7/16	7/32 45
37 G193, G4193, G4193A Eng.						
193 ci	3.2 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1960-73		Exhaust T- 239	1 3/16	1 7/16	7/32 45
38 F199, F6199 Eng.						
199 ci	3.3 L	Also for LPG, Propane, & NG Exh. w 1.328 VI. Hd., .218 dep Alt. Exh. w 1.203 VI. Hd., .188 depth	Intake T- 952	1 3/8	1 5/8	7/32 45
4	1935-64		Exhaust T- 239	1 3/16	1 7/16	7/32 45
			Alt-Exh T- 217	1 1/16	1 3/8	3/16 45
39 E201, ED201 Eng.						
201 ci	3.3 L		Intake T- 929	1 5/16	1 9/16	7/32 45
4	1954-64		Exhaust T- 239	1 3/16	1 7/16	7/32 45
40 D202, DS202, DS6202, OS202, PD202 Eng.						
202 ci	3.3 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1954-64		Exhaust T- 217	1 1/16	1 3/8	3/16 45
41 E208 Gas & LPG, Propane, NG						
208 ci	3.4 L		Intake T- 929	1 5/16	1 9/16	7/32 45
4	1954-64		Exhaust T- 239	1 3/16	1 7/16	7/32 45
42 F209, F209A, F6209, (Dynatork), F6209A, PF209, 24B Eng.						
209 ci	3.4 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1935-64		Exhaust T- 239	1 3/16	1 7/16	7/32 45
			Alt-Exh T- 217	1 1/16	1 3/8	3/16 45
43 E223, EB223 Gas & LPG, Propane, NG						
223 ci	3.7 L		Intake T- 976	1 13/32	1 11/16	1/4 45
4	1935-64		Exhaust T- 239	1 3/16	1 7/16	7/32 45
44 F226, F6226, FO6226, PF226 Gas & LPG, Propane, NG						
226 ci	3.7 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1938-64		Exhaust T- 239	1 3/16	1 7/16	7/32 45
			Alt. Exh. w 1.203 VI. Hd., .188 depth Alt-Exh T- 217	1 1/16	1 3/8	3/16 45

CONTINENTAL

		Part No.	ID	OD	Depth	Ang.
45 F227,F6227 Eng. LPG, Propane, NG						
227 ci	3.7 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6			Exhaust T- 220	1 3/32	1 11/32	13/64 45
		Alt. Exh. w 1.203 VI. Hd., .218 depth	Alt-Exh T- 223	1 1/8	1 3/8	7/32 45
46 H227						
227 ci	3.7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6			Exhaust T- 935	1 5/16	1 5/8	1/4 45
47 E242 Gas & LPG, Propane, NG						
242 ci	4 L		Intake T- 976	1 13/32	1 11/16	1/4 45
4			Exhaust T- 239	1 3/16	1 7/16	7/32 45
48 H243 Gas						
243 ci	4 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4			Exhaust T- 935	1 5/16	1 5/8	1/4 45
49 HD243 Diesel						
243 ci	4 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4			Exhaust T- 278	1 1/4	1 9/16	1/4 45
50 A244,A6244						
244 ci	4 L		Intake T- 984	1 7/16	1 3/4	1/4 45
6			Exhaust T- 239	1 3/16	1 7/16	7/32 45
51 F244,FS244,F6244 Eng.						
244 ci	4 L	Gas, LPG, Propane, NG	Intake T- 952	1 3/8	1 5/8	7/32 45
6			Exhaust T- 220	1 3/32	1 11/32	13/64 45
		Alt. Exh. w .218 depth	Alt-Exh T- 223	1 1/8	1 3/8	7/32 45
52 F245,F6245 Gas, LPG, Propane, NG						
245 ci	4 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6			Exhaust T- 220	1 3/32	1 11/32	13/64 45
		Alt. Exh. w .218 depth	Alt-Exh T- 223	1 1/8	1 3/8	7/32 45
53 38R, M253, M6253, N253 Eng.						
253 ci	4.1 L		Intake T- 1922	1 5/8	2	9/32 45
6			Exhaust T- 962	1 3/8	1 11/16	1/4 45

CONTINENTAL

		Part No.	ID	OD	Depth	Ang.
54	H260					
260 ci	4.3 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4			Exhaust T- 935	1 5/16	1 5/8	1/4 45
55	HD260 Diesel					
260 ci	4.3 L		Intake T- 982	1 7/16	1 11/16	1/4 45
4	1945-64		Exhaust T- 924	1 1/4	1 9/16	7/32 45
56	K271, K6271, M271, M6271, PM271 Eng.					
271 ci	4.4 L		Intake T- 1772	1 5/8	2.006	.301 45
6	1939-91		Exhaust T- 962	1 3/8	1 11/16	1/4 45
57	H277					
277 ci	4.5 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1939-91		Exhaust T- 935	1 5/16	1 5/8	1/4 45
58	HD277 Diesel					
277 ci	4.5 L		Intake T- 982	1 7/16	1 11/16	1/4 45
6	1945-64		Exhaust T- 924	1 1/4	1 9/16	7/32 45
59	K6290, M290, M6290, PM290, PM300, 38B Eng.					
290 ci	4.7 L		Intake T- 1772	1 5/8	2.006	.301 45
6	1939-91		Exhaust T- 962	1 3/8	1 11/16	1/4 45
60	K6330, M330, M6230, M6330, PM330, 40B Eng.					
330 ci	5.4 L		Intake T- 1772	1 5/8	2.006	.301 45
6	1939-91		Exhaust T- 962	1 3/8	1 11/16	1/4 45
61	M363					
363 ci	5.9 L		Intake T- 1922	1 5/8	2	9/32 45
6	1939-91		Exhaust T- 962	1 3/8	1 11/16	1/4 45
62	J382 Gas					
382 ci	6.3 L		Intake T- 1922	1 5/8	2	9/32 45
6		Exh. OEM # 73329	Exhaust T- 1811	1 1/2	1 7/8	5/16 45
63	JD382 Diesel					
382 ci	6.3 L		Intake T- 1612	1 1/2	1 7/8	7/32 45
6			Exhaust T- 1822	1 3/8	1 11/16	5/16 45
64	8S, 14S, 15S, 16S, 17S, 18S, 19S, 21S					
572 ci	9.4 L		Intake T- 271	1 1/4	1 1/2	7/32 45
6			Exhaust T- 271	1 1/4	1 1/2	7/32 45
65	9L, 14L, 15L, 18L, 20L, 24L, 26L, 28L, 29L, 30L, 32L, 34L, 37L					
572 ci	9.4 L		Intake T- 239	1 3/16	1 7/16	7/32 45
6			Exhaust T- 239	1 3/16	1 7/16	7/32 45

CONTINENTAL

		Part No.	ID	OD	Depth	Ang.
66	U501, U6501					
572 ci	9.4 L					
6		Intake T- 319	1 13/16	2 3/16	9/32	45
		Exhaust T- 1922	1 5/8	2	9/32	45
67	RD572, RD6572 Diesel					
572 ci	9.4 L					
6		Intake T- 1755	1 7/8	2 1/4	9/32	45
		Exhaust T- 1712	1 5/8	2	3/8	45

COOPER-BESSEMER

		Part No.	ID	OD	Depth	Ang.
1	FVCL, FVDL-11-3, FVEG-11-G					
	OEM #FVCL-11-K #1					
		Intake T- 1223	2 17/32	3 1/8	9/16	45/R
		Exhaust T- 1223	2 17/32	3 1/8	9/16	45/R
2	GMV Fuel Inj. Insert (13/16 Valve)					
		Intake T- 2304	5/8	1 1/8	1/4	45
3	GMV Fuel Inj. Seat					
	OEM #GMR-15-6A					
		Intake T- 9101	5/8	1 7/8	1 3/16	45/R
4	GMV Seat & Guide - 13/16 Valve					
	Int. OEM #GMVC-12-3C#9					
		Intake T- 9150	5/8	2.843	2.870	45
5	GMV Seat & Guide - 15/16 Valve					
	Int. OEM # GMVC-12-3C#10					
		Intake T- 9151	3/4	2.843	2.870	45
6	GMV Seat & Guide - 1 1/4 Valve					
	Int. OEM #GMVC-12-3C#11					
		Intake T- 9152	1	2.843	2.870	45
7	GMV Seat & Guide - 1 3/4 Valve					
	Int. OEM #GMVC-12-3C#12					
		Intake T- 9153	1 1/2	2.843	2.870	45
8	GMW Air Starter Seat					
	OEM #GMW-2-3B					
		Intake T- 1502	1 5/8	2 1/4	5/8	45
9	GMW Air Starting Check Valve Insert					
	OEM #GMR-11-1A					
		Intake T- 204	1	1 1/4	3/16	45

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		Part No.	ID	OD	Depth	Ang.
10	GMW Fuel Inj. Seat					
		Intake T- 144	3/4	1.079	5/16	45
11	GMWA, GMWC Fuel Inj. Insert					
		Intake T- 968	1 3/8	1 3/4	1/4	45
12	GMWC Fuel Inj. Seat					
	OEM #GMWC-12D #1	Intake T- 145	7/8	1.876	1 1/4	45/R
13	GMXE Air Starting Seat					
	OEM #GMXE-11-J	Intake T- 151	1	1 1/4	1/2	---
14	GMXE Air Seat					
	OEM #GMXE-11-K	Intake T- 152	1	1.252	1	45/R
15	GMXE Fuel Inj. Seat					
	OEM #GMXE-12-F2	Intake T- 8103	5/8	1 3/4	7/8	45/R
16	GMXE Fuel Inj. Seat					
	OEM #GMXE-12-F3	Intake T- 8104	5/8	1 3/4	7/8	45/R
17	GMXE Fuel Inj. Seat					
	OEM #GMXE-12-H1	Intake T- 8105	5/8	1.191	1 1/8	45
18	GN6, GN8					
		Intake T- 2209	4	4 5/8	9/16	45
	Exh. OEM #GN-11W	Exhaust T- 2155	3 3/4	4 9/16	3/4	45
19	GS					
	OEM #GS-11-N	Intake T- 2211	3 3/8	4 1/4	1	45
		Exhaust T- 2211	3 3/8	4 1/4	1	45
20	GSB					
	OEM #GSB-11-S	Intake T- 2103	3 1/8	3 7/8	5/8	45
		Exhaust T- 2103	3 1/8	3 7/8	5/8	45
21	HOPE, 14 3/4 X 16					
	OEM #G15-29D	Intake T- 4111	4 1/8	5.364	1.650	30/R
		Exhaust T- 4111	4 1/8	5.364	1.650	30/R

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		Part No.	ID	OD	Depth	Ang.
22	JS, JSG					
	Exh. OEM #JS-11-2B	Intake T- 2151	4 11/16	5.563	1	45
		Exhaust T- 2150	4 3/8	5 1/4	1	45
23	JS8 - (4 Valve)					
	OEM #JS-11-1G	Intake T- 6505	3 5/8	4 5/8	1 1/8	45
		Exhaust T- 6505	3 5/8	4 5/8	1 1/8	45
24	KSV					
	Int. OEM #KSV-11-2A2	Intake T- 2161	3 3/4	4 9/16	7/8	30
	Exh. OEM #KSV-11-2A1	Exhaust N- 2162	3 3/4	4 9/16	7/8	45
		Alt-Exh N- 2160	3 3/4	4 9/16	7/8	30
25	LS (2 Valve)					
	Int. OEM #LS-12-1E (Caged Seat)	Intake T- 4022	3 7/8	5.121	2	45/R
	Exh. OEM #LS-12-1F	Exhaust T- 4021	4	5.383	1.406	45
26	LSV - (4 Valve)					
	OEM #LSV-11-8E	Intake T- 4041	4 1/32	5	1	45
		Exhaust T- 4041	4 1/32	5	1	45
27	LSVB					
	OEM #LSVB-11-2B	Intake T- 4067	3 15/16	5	31/32	30
		Exhaust T- 4067	3 15/16	5	31/32	30
28	LT					
	OEM #LS-12-L	Intake T- 6036	5	6.610	2 1/4	45/R
		Exhaust T- 6036	5	6.610	2 1/4	45/R
29	Type 19					
		Intake T- 6007	5 13/16	6 7/8	3/4	45
		Exhaust T- 6007	5 13/16	6 7/8	3/4	45
30	Type 22					
	Alternate Intake & Exhaust	Intake T- 7546	7	8.010	3/4	45
		Alt-Int T- 7547	7	8.316	3/4	45
		Exhaust T- 7530	6	7.010	3/4	45
		Alt-Exh T- 7531	6	7.255	3/4	45
31	Type 24					
		Intake T- 7550	7 1/2	8.508	3/4	45
		Exhaust T- 7540	7	7.760	11/16	45

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		Part No.	ID	OD	Depth	Ang.
32	Type 26					
		Exhaust T- 7545	7.000	7.8795	1	45
33	Type 75					
		Intake T- 4023	4	5	1/2	45
34	Type 80					
		Intake T- 1408	4 1/2	5 1/4	9/16	45

CUMMINS

		Part No.	ID	OD	Depth	Ang.
1	GTA 19 Natural Gas					
		Intake T- 1153	1 15/16	2.3815	.323	----
		Exhaust T- 1153	1 15/16	2.3815	.323	----
2	K; KT; KTA					
6	1939-64	Intake T- 841	2 1/32	2 3/8	3/8	30
		Exhaust T- 841	2 1/32	2 3/8	3/8	30
3	KO; L					
6	1939-64	Intake T- 414	2 1/2	3 1/16	3/8	30
		Exhaust T- 414	2 1/2	3 1/16	3/8	30
4	VAL					
6,8	1961-73	OEM #154390	Intake T- 357	1 7/16	1 11/16	.200
			Exhaust T- 357	1 7/16	1 11/16	.200
5	4A Onan Diesel					
140 ci	2.3 L		Intake T- 2382	1.306	1.593	.224
4			Exhaust T- 2383	1.236	1.4605	.236
6	225, 380, E215M, V265					
6	1961-73		Intake T- 1965	1 11/16	2	9/32
			Exhaust T- 1965	1 11/16	2	9/32
7	4B & 4BT Turbo Diesel 12 Valve					
239 ci	3.9 L	Int. OEM #3925177, 3906854	Intake T- 1700	1 1/2	1.853	.273
4			Alt-Int T- 1612	1 1/2	1 7/8	7/32
		Exh. OEM #3925176	Exhaust T- 1171	1.357	1.722	.265
			Alt-Exh T- 966	1 3/8	1 3/4	7/32

CUMMINS

		Part No.	ID	OD	Depth	Ang.
8 4B & 4BT Natural Gas 12 Valve 20°						
239 ci	3.9 L	Int. OEM #3030211	Intake H- 1700	1 1/2	1.853	.273 20/R
4		Exh. OEM #3395612,3922716	Exhaust T- 1174	1 3/8	1.722	.265 20/R
9 QSB Turbo Diesel 16 Valve						
275 ci	4.5 L	Int. OEM #3925177, 3906854	Intake T- 1700	1 1/2	1.853	.273 30/R
4		Exh. OEM #3925176	Exhaust T- 1171	1.357	1.722	.265 45/R
10 C90						
309 ci	5.1 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
4			Exhaust T- 260	1 5/32	1.432	5/32 30
11 C105						
309 ci	5.1 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
4			Exhaust T- 260	1 5/32	1.432	5/32 30
12 C140						
309 ci	5.1 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
4			Exhaust T- 260	1 5/32	1.432	5/32 30
13 V6 140, V8-180						
6,8	1961-73	OEM #154390	Intake T- 357	1 7/16	1 11/16	.200 30
			Exhaust T- 357	1 7/16	1 11/16	.200 30
14 V6-140 12 Valve						
352 ci	5.8 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181 30
6		Exh. OEM #154390	Exhaust T- 357	1 7/16	1 11/16	.200 30
15 V352 12 Valve						
352 ci	5.8 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181 30
6		Exh. OEM #154390	Exhaust T- 357	1 7/16	1 11/16	.200 30
16 5.9 4 Valve						
359 ci	5.9 L		Intake T- 225	1 1/8	1 3/8	1/4 45
6			Exhaust T- 225	1 1/8	1 3/8	1/4 45
17 NTC 365						
		OEM #3054590, 3054600	Intake T- 2096	1 11/16	2	.206 30
			Exhaust T- 2096	1 11/16	2	.206 30
18 6AT Turbo Diesel 12 Valve "Onan Engine"						
359 ci	5.9 L		Intake T- 2382	1.306	1.593	.224
6			Exhaust T- 2383	1.236	1.4605	.236

CUMMINS

		Part No.	ID	OD	Depth	Ang.
19 6B & 6BT Turbo Diesel 12 Valve						
359 ci	5.9 L	Int. OEM #3925177, 3906854	Intake T- 1700	1 1/2	1.853	.273 30/R
6		Exh. OEM #3925176	Alt-Int T- 1612	1 1/2	1 7/8	7/32 45
			Exhaust T- 1171	1.357	1.722	.265 45/R
			Alt-Exh T- 966	1 3/8	1 3/4	7/32 45
20 6B & 6BT Natural Gas 12 Valve 20°						
359 ci	5.9 L	Int. OEM #3030211	Intake H- 1700	1 1/2	1.853	.273 20/R
6		Exh. OEM #3395612,3922716	Exhaust T- 1174	1 3/8	1.722	.265 20/R
21 6BC & 4 BC						
359 ci	5.9 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6			Exhaust T- 1610	1 1/2	1 13/16	1/4 45
22 ISB & QSB Turbo Diesel 24 Valve						
359 ci	5.9 L		Intake T- 2894	1.100	1.375	.227 30
6			Exhaust T- 2895	1.100	1.375	.227 45
23 V6-155 12 Valve						
378 ci	6.2 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181 30
6		Exh. OEM #154290	Exhaust T- 357	1 7/16	1 11/16	.200 30
24 V378 12 Valve						
378 ci	6.2 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181 30
6		Exh. OEM#154390	Exhaust T- 357	1 7/16	1 11/16	.200 30
25 NTC 400, VT 400						
		OEM #3054590, 3054600	Intake T- 2096	1 11/16	2	.206 30
			Exhaust T- 2096	1 11/16	2	.206 30
26 NTC 444						
		OEM #3054590, 3054600	Intake T- 2096	1 11/16	2	.206 30
			Exhaust T- 2096	1 11/16	2	.206 30
27 A Series, 2 Valve						
401 ci	6.6 L		Intake T- 961	1 3/8	1 11/16	1/4 30
6	1939-66		Exhaust T- 961	1 3/8	1 11/16	1/4 30
28 J Series, 2 Valve						
401 ci	6.6 L		Intake T- 961	1 3/8	1 11/16	1/4 30
6	1939-66		Exhaust T- 961	1 3/8	1 11/16	1/4 30
29 J Series 12 Valve						
401 ci	6.6 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
6			Exhaust T- 260	1 5/32	1.432	5/32 30

CUMMINS

		Part No.	ID	OD	Depth	Ang.
30 ISB, QSB Turbo Diesel 24 Valve						
408 ci	6.7 L		Intake T- 2894	1.100	1.375	.227 30
6	2007-09		Exhaust T- 2895	1.100	1.375	.227 45
31 H Series Diesel						
448 ci	7.3 L		Intake T- 307	1 3/4	2 1/8	9/32 30
4	1932-73		Exhaust T- 306	1 3/4	2 1/8	1/4 30
32 C160 12 Valve						
464 ci	7.6 L	Int. & Exh OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
6			Exhaust T- 260	1 5/32	1.432	5/32 30
33 C175 12 Valve						
464 ci	7.6 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
6			Exhaust T- 260	1 5/32	1.432	5/32 30
34 C180 12 Valve						
464 ci	7.6 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
6			Exhaust T- 260	1 5/32	1.432	5/32 30
35 C190B 12 Valve						
464 ci	7.6 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
6			Exhaust T- 260	1 5/32	1.432	5/32 30
36 CS464 12 Valve						
464 ci	7.6 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
6			Exhaust T- 260	1 5/32	1.432	5/32 30
37 CT464 12 Valve						
464 ci	7.6 L	Int. & Exh. OEM #70843	Intake T- 260	1 5/32	1.432	5/32 30
6			Exhaust T- 260	1 5/32	1.432	5/32 30
38 V8-185						
470 ci	7.7 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181 30
8		Exh. OEM #154390	Exhaust T- 357	1 7/16	1 11/16	.200 30
39 V470						
470 ci	7.7 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181 30
8		Exh. OEM #154390	Exhaust T- 357	1 7/16	1 11/16	.200 30
40 V8-210						
504 ci	8.3 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181 30
8		Exh. OEM#154390	Exhaust T- 357	1 7/16	1 11/16	.200 30
41 V504						
504 ci	8.3 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181 30
8		Exh. OEM #154390	Exhaust T- 357	1 7/16	1 11/16	.200 30

CUMMINS

		Part No.	ID	OD	Depth	Ang.	
42 6C Series Turbo Diesel 12 Valve							
505 ci	8.3 L	Int. OEM #3927256 20° Alt. Int. w 30° Exh. Oem #3927257 20° Alt. Exh. W 45°	Intake T- 2897	1 3/4	2.1265	.323	20/R
6			Alt-Int T- 2036	1 3/4	2.1295	.306	30
			Exhaust H- 2063	1 9/16	1.8575	.229	20
			Alt-Exh T- 2063	1 9/16	1.8575	.229	45
43 6C Series Turbo Diesel 12 Valve (Alt)							
505 ci	8.3 L		Intake T- 648	1 3/4	2 1/8	5/16	45/R
6			Exhaust T- 2138	1.575	1.8575	1/4	45/R
44 6C Series Natural Gas							
505 ci	8.3 L	H-series Exh. W 20° Exh. OEM #3927257,3933088	Intake T- 2036	1 3/4	2.1295	.306	30
6			Exhaust H- 2063	1 9/16	1.8575	.229	20
45 ISC, QSC Turbo Diesel 24 Valve							
505 ci	8.3 L	Int. OEM#3940152, 3969704 Alt. Int. w 45° Exh. OEM #3940153, 3968074 Alt. Exh. W 30°	Intake T- 2977	1.280	1.555	.238	30/R
6			Alt-Int T- 782	1 1/4	1.555	1/4	45
			Exhaust T- 2982	1.301	1.555	.193	45/R
			Alt-Exh T- 783	1 1/4	1.555	1/4	30
46 ISL, QSL Turbo Diesel 24 Valve							
540 ci	8.9 L	Int. OEM #3940152, 3969704 Alt. Int. w 45° Exh. OEM #3940153, 3968074 Alt. Exh. W 30°	Intake T- 2977	1.280	1.555	.238	30/R
6	1998-00		Alt-Int T- 782	1 1/4	1.555	1/4	45
			Exhaust T- 2982	1.301	1.555	.193	45/R
			Alt-Exh T- 783	1 1/4	1.555	1/4	30
47 V8-225, VT225							
555 ci	9.1 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181	30
8			Exh. OEM #154390	Exhaust T- 357	1 7/16	1 11/16	.200
48 V555, VT555							
555 ci	9.1 L	Int. OEM #195000	Intake T- 1654	1 7/16	1 11/16	.181	30
8			Exh. OEM #154390	Exhaust T- 357	1 7/16	1 11/16	.200
49 V6-R180							
558 ci	9.6 L		Intake T- 1940	1 11/16	2	1/4	
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32	30
50 V6E-195							
588 ci	9.6 L		Intake T- 1965	1 11/16	2	9/32	30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32	30

CUMMINS

		Part No.	ID	OD	Depth	Ang.
51	V6-200, V6-200B, V6E-200, VT6-200					
588 ci	9.6 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
52	V6-215, V6-215M, V6E-215M					
588 ci	9.6 L		Intake T- 1940	1 11/16	2	1/4
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
53	V6-280, V6E-280, VT6-280 Diesel					
588 ci	9.6 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
54	V588, VT588					
588 ci	9.6 L		Intake T- 1965	1 11/16	2	9/32 30
6			Exhaust T- 1965	1 11/16	2	9/32 30
55	K Series 12 Valve					
600 ci	9.8 L	Int. OEM #3052819, 3026296	Intake T- 1154	1 15/16	2 3/8	.323 30
6		Exh. OEM #205093	Exhaust T- 856	2 1/32	2.380	.323 30
56	L-10 24 Valve					
611 ci	10 L		Intake T- 2055	1.520	1.812	.200 30
6			Exhaust T- 2055	1.520	1.812	.200 30
57	ISM, QSM 24 Valve					
659 ci	10.8 L		Intake T- 2141	1 7/16	1 13/16	3/16 45
6			Exhaust T- 2141	1 7/16	1 13/16	3/16 45
58	H Series Diesel					
672 ci	11 L		Intake T- 308	1 3/4	2 1/8	9/32 45
6	1932-73		Exhaust T- 306	1 3/4	2 1/8	1/4 30
59	M-11 24 Valve					
671 ci	11 L		Intake T- 2055	1.520	1.812	.200 30
6			Exhaust T- 2055	1.520	1.812	.200 30
60	M-11 Natural					
			Intake T- 676	1 15/32	1.812	.200 --
61	NH180					
672 ci	11 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
62	NH195					
672 ci	11 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30

CUMMINS

		Part No.	ID	OD	Depth	Ang.
63	N743, NH743					
743 ci	12.2 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
64	NH Series					
743 ci	12.2 L	NHB, NHRS, NH743	Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
65	NR Series, NRT					
743 ci	12.2 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
66	NT Series, NT6					
743 ci	12.2 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
67	NTE235					
743 ci	12.2 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
68	NTO262					
743 ci	12.2 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
69	NTO820					
743 ci	12.2 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
70	VT12-600					
743 ci	12.2 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
71	V8-235					
784 ci	12.8 L		Intake T- 1940	1 11/16	2	1/4
8	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
72	V8E-235					
784 ci	12.8 L		Intake T- 1940	1 11/16	2	1/4
8	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
73	V8R-240					
784 ci	12.8 L		Intake T- 1940	1 11/16	2	1/4
8	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
74	V8-300					
784 ci	12.8 L		Intake T- 1940	1 11/16	2	1/4
8	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30

CUMMINS

		Part No.	ID	OD	Depth	Ang.
75 V8-300M						
784 ci	12.8 L		Intake T- 1940	1 11/16	2	1/4
8	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
76 V8-370M						
784 ci	12.8 L		Intake T- 1940	1 11/16	2	1/4
8	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
77 VT8-370 Diesel						
784 ci	12.8 L		Intake T- 1940	1 11/16	2	1/4
8	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
78 V8-265						
785 ci	12.9 L		Intake T- 1940	1 11/16	2	1/4
8			Exhaust T- 1965	1 11/16	2	9/32 30
79 V785, VT785						
785 ci	12.9 L		Intake T- 1965	1 11/16	2	9/32 30
8			Exhaust T- 1965	1 11/16	2	9/32 30
80 N14						
855 ci	14 L	Int. & Exh OEM	Intake T- 1942	1 11/16	2	7/32 45
6	1961-73	#3069692,3054600,3054590	Alt-Int T- 2980	1 5/8	1.953	.195
		Alt. Int. OEM #3084020	Exhaust T- 1942	1 11/16	2	7/32 45
		Alt. Exh. OEM #3076515,3084041	Alt-Exh T- 2981	1 5/8	1.953	.215 45
81 NT, NT88						
855 ci	14 L	OEM #3069692, 3054590, 3054600	Intake T- 1942	1 11/16	2	7/32 45
6	1961-73		Exhaust T- 1942	1 11/16	2	7/32 45
82 NH/NT Series						
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6			Exhaust T- 1965	1 11/16	2	9/32 30
83 NH230, NHC230, NHD230, NTC230, Formula 230						
855 ci	14 L	NH230B	Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
84 NH250, NHC250, NTC250, Formula 250						
855 ci	14 L	NH250B, NH250C, NH250P, Super	Intake T- 1965	1 11/16	2	9/32 30
6	1961-73	250	Exhaust T- 1965	1 11/16	2	9/32 30
85 NTC270CT						
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30

CUMMINS

		Part No.	ID	OD	Depth	Ang.
86	NT280, NTC280					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
87	NTC290, Formula 290, Super 290					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
88	NT300, Formula 300					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
89	NT310					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
90	NT330					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
91	NT335, NTC335, NTC335B					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
92	NT350, NTC350, Formula 350					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
93	NT420					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
94	N855 Diesel					
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6	1961-73		Exhaust T- 1965	1 11/16	2	9/32 30
95	V903, V903M, VT903, VT903M					
903 ci	14.8 L		Intake T- 1965	1 11/16	2	9/32 30
8	1961-73		Exhaust T- 485	1 11/16	2	.234 30
96	ISX, QSX, Sign 600, 24 Valve DOHC, Turbo Diesel					
915 ci	15 L	3104445,3681071,4059215,3084020	Intake T- 2980	1 5/8	1.953	.195
6		3679659,3683349,3679537	Exhaust T- 2986	1.555	1.874	.2375
97	NVH450					
1486 ci	24.4 L	Int. & Exh. OEM #69965	Intake T- 1619	1 9/16	1 27/32	9/32 30
12			Exhaust T- 1619	1 9/16	1 27/32	9/32 30

CUMMINS

		Part No.	ID	OD	Depth	Ang.	
98	VT600						
1486 ci	24.4 L		Intake T- 1619	1 9/16	1 27/32	9/32	30
12			Exhaust T- 1619	1 9/16	1 27/32	9/32	30
99	V1486, VT1486						
1486 ci	24.4 L	Int. & Exh. OEM #69965	Intake T- 1619	1 9/16	1 27/32	9/32	30
12			Exhaust T- 1619	1 9/16	1 27/32	9/32	30
100	VT12R-600						
1710 ci	28 L		Intake T- 1965	1 11/16	2	9/32	30
12			Exhaust T- 1965	1 11/16	2	9/32	30
101	VT12-700						
1710 ci	28 L		Intake T- 1965	1 11/16	2	9/32	30
12			Exhaust T- 1965	1 11/16	2	9/32	30
102	VT12/1710						
1710 ci	28 L		Intake T- 1965	1 11/16	2	9/32	30
12			Exhaust T- 1965	1 11/16	2	9/32	30
103	VTA-1710						
1710 ci	28 L		Intake T- 1965	1 11/16	2	9/32	30
12			Exhaust T- 1965	1 11/16	2	9/32	30
104	VTR-1710 Diesel & Turbo Diesel (high heat appl)						
1710 ci	28 L		Intake T- 1965	1 11/16	2	9/32	30
12			Exhaust T- 1965	1 11/16	2	9/32	30

DAF

		Part No.	ID	OD	Depth	Ang.	
1	DH825, DJU825, DU825						
			Intake T- 2057	1.575	2 1/16	.362	30
			Exhaust T- 591	1.394	1 7/8	.295	30
2	D-575						
			Intake T- 1583	1.481	1 15/16	.176	30
			Exhaust T- 2056	1.350	1 13/16	.338	30

DETROIT DIESEL

		Part No.	ID	OD	Depth	Ang.	
1	2-53, 2-53N, 53 Series 2 Valve						
106 ci	1.7 L	OEM #5116196	Intake T- 249	1 13/64	1 7/16	7/32	30/R
2			Exhaust T- 249	1 13/64	1 7/16	7/32	30/R

DETROIT DIESEL

		Part No.	ID	OD	Depth	Ang.		
2	2-53, 2-53N, 53 Series 4 Valve							
106 ci	1.7 L	OEM #8921501	Intake	N- 7005	.910	1.161	.222	30/R
2			Exhaust	N- 7005	.910	1.161	.222	30/R
3	2-71, 71 Series 2 Valve							
142 ci	2.3 L	OEM #5131096/8929126	Intake	T- 945	1 11/32	1 5/8	1/4	30/R
2			Exhaust	T- 945	1 11/32	1 5/8	1/4	30/R
4	2-71, 71 Series 4 Valve							
142 ci	2.3 L	OEM #5101101	Intake	N- 7000	.975	1.262	1/4	30/R
2			Exhaust	N- 7000	.975	1.262	1/4	30/R
5	3-53, 3-53N 53 Series 2 Valve							
159 ci	2.6 L	OEM #5116196	Intake	T- 249	1 13/64	1 7/16	7/32	30/R
3			Exhaust	T- 249	1 13/64	1 7/16	7/32	30/R
6	3-53, 3-53N 53 Series 4 Valve							
159 ci	2.6 L	OEM #8921501	Intake	N- 7005	.910	1.161	.222	30/R
3			Exhaust	N- 7005	.910	1.161	.222	30/R
7	4-53, 4-53N, 4-53T 53 Series 2 Valve							
212 ci	3.5 L	OEM #5116196	Intake	T- 249	1 13/64	1 7/16	7/32	30/R
4			Exhaust	T- 249	1 13/64	1 7/16	7/32	30/R
8	4-53, 4-53N, 4-53T 53 Series 4 Valve							
212 ci	3.5 L	OEM #8921501	Intake	N- 7005	.910	1.161	.222	30/R
4			Exhaust	N- 7005	.910	1.161	.222	30/R
9	3-71, 71 Series 2 Valve							
213 ci	3.5 L	OEM #5131096/8929126	Intake	T- 945	1 11/32	1 5/8	1/4	30/R
3			Exhaust	T- 945	1 11/32	1 5/8	1/4	30/R
10	3-71, 71 Series 4 Valve							
213 ci	3.5 L	OEM #5101101	Intake	N- 7000	.975	1.262	1/4	30/R
3			Exhaust	N- 7000	.975	1.262	1/4	30/R
11	4-71, 4-71E, 4-71T, 71 Series 2 Valve Turbo							
284 ci	4.7 L	OEM #5131096/8929126	Intake	T- 945	1 11/32	1 5/8	1/4	30/R
4			Exhaust	T- 945	1 11/32	1 5/8	1/4	30/R
12	4-71, 4-71E, 4-71T, 71 Series 4 Valve Turbo							
284 ci	4.7 L	OEM #5101101	Intake	N- 7000	.975	1.262	1/4	30/R
4			Exhaust	N- 7000	.975	1.262	1/4	30/R
13	6V-53, 6V-53N, 53 Series 2 Valve							
318 ci	5.2 L	OEM #5116196	Intake	T- 249	1 13/64	1 7/16	7/32	30/R
6			Exhaust	T- 249	1 13/64	1 7/16	7/32	30/R

DETROIT DIESEL

		Part No.	ID	OD	Depth	Ang.
14	6V-53, 6V-53N, 53 Series 4 Valve					
318 ci 6	5.2 L	OEM #8921501	Intake N- 7005	.910	1.161	.222 30/R
			Exhaust N- 7005	.910	1.161	.222 30/R
15	6-71, 6-71N, 6-71SE, 6-71T 2 Valve					
426 ci 6	7 L	OEM #5131096/8929126	Intake T- 945	1 11/32	1 5/8	1/4 30/R
			Exhaust T- 945	1 11/32	1 5/8	1/4 30/R
16	6-71, 6-71N, 6-71SE, 6-71T 4 Valve Turbo					
426 ci 6	7 L	OEM #5101101	Intake N- 7000	.975	1.262	1/4 30/R
			Exhaust N- 7000	.975	1.262	1/4 30/R
17	501 Naturally Aspirated & Turbo Diesel					
501 ci 8	8.2 L		Intake T- 2060	1.578	1 15/16	.203 30/R
			Exhaust T- 1973	1 7/16	1 3/4	.203 45/R
18	50 Series Diesel					
519 ci 4	8.5 L	Int. OEM #8929127	Intake T- 2091	1.570	1.819	.284 30/R
		Exh. OEM #5131096/8929126	Exhaust T- 945	1 11/32	1 5/8	1/4 30/R
19	6V92, 6V92N, 92 Series					
552 ci 6,8	9 L	OEM #5148490	Intake N- 7002	1 5/32	1 7/16	1/4 30/R
			Exhaust N- 7002	1 5/32	1 7/16	1/4 30/R
20	8V-71, 8V-71N, 8V-71NE, 8V-71T 2 Valve					
568 ci 6	9.3 L	OEM #5131096/8929126	Intake T- 945	1 11/32	1 5/8	1/4 30/R
			Exhaust T- 945	1 11/32	1 5/8	1/4 30/R
21	8V-71, 8V-71N, 8V-71NE, 8V-71T 4 Valve Turbo					
568 ci 6	9.3 L	OEM #5101101	Intake N- 7000	.975	1.262	1/4 30/R
			Exhaust N- 7000	.975	1.262	1/4 30/R
22	60 Series Diesel					
677 ci 6	11.1 L	Int. OEM #8929127	Intake T- 2091	1.570	1.819	.284 30/R
		Exh. OEM # 5131096/8929126	Exhaust T- 945	1 11/32	1 5/8	1/4 30/R
23	8V-92, 8V-92N, 8V-92T					
736 ci 8	12.1 L	OEM #5148490	Intake N- 7002	1 5/32	1 7/16	1/4 30/R
			Exhaust N- 7002	1 5/32	1 7/16	1/4 30/R
24	60 Series Diesel 24 Valve					
775 ci 6	12.7 L	Int. OEM #8929127	Intake T- 2091	1.570	1.819	.284 30/R
		Exh. OEM #5131096/8929126	Exhaust T- 945	1 11/32	1 5/8	1/4 30/R
25	60 Series Diesel					
858 ci 6	14 L	Int. OEM #8929127	Intake T- 2091	1.570	1.819	.284 30/R
		Exh. OEM #5131096/8929126	Exhaust T- 945	1 11/32	1 5/8	1/4 30/R

DETROIT DIESEL

		Part No.	ID	OD	Depth	Ang.
26	12V-71, 12V-71N 2 Valve					
852 ci 12	14 L	OEM #5131096/8929126	Intake T- 945	1 11/32	1 5/8	1/4 30/R
			Exhaust T- 945	1 11/32	1 5/8	1/4 30/R
27	12V-71, 12V-71N 4 Valve incl. Turbo					
852 ci 12	14 L	OEM #5101101	Intake N- 7000	.975	1.262	1/4 30/R
			Exhaust N- 7000	.975	1.262	1/4 30/R
28	12V-92, 12V-92N 92 Series 4 Valve					
1104 ci 12	18.1 L	OEM #5148490	Intake N- 7002	1 5/32	1 7/16	1/4 30/R
			Exhaust N- 7002	1 5/32	1 7/16	1/4 30/R
29	16V-71 2 Valve					
1136 ci 16	18.6 L	OEM #5131096/8929126	Intake T- 945	1 11/32	1 5/8	1/4 30/R
			Exhaust T- 945	1 11/32	1 5/8	1/4 30/R
30	16V-71 4 Valve incl. Turbo					
1136 ci 16	18.6 L	OEM #5101101	Intake N- 7000	.975	1.262	1/4 30/R
			Exhaust N- 7000	.975	1.262	1/4 30/R
31	16V-92 Series					
1472 ci 16	24.1 L	OEM #5148490	Intake N- 7002	1 5/32	1 7/16	1/4 30/R
			Exhaust N- 7002	1 5/32	1 7/16	1/4 30/R
32	110 - 2 Valve					
	1951-68		Intake T- 1717	1 43/64	2 5/64	.276 30/R
			Exhaust T- 1717	1 43/64	2 5/64	.276 30/R
33	110 - 4 Valve					
	1958-68		Intake T- 267	1 1/4	1 9/16	.240 30/R
			Exhaust T- 267	1 1/4	1 9/16	.240 30/R
34	149					
		OEM #5139982	Intake T- 7007	1 17/32	1.898	.272 30/R
			Exhaust T- 7007	1 17/32	1.898	.272 30/R

ENTERPRISE (DE LAVAL TURBINE)

		Part No.	ID	OD	Depth	Ang.
1	DGS6-86 Diesel					
			Exhaust T- 4112	4 1/4	5	9/16 45
2	G - # 04-360-01-AB					
			Exhaust T- 6103	4 1/16	5.395	1 45

ENTERPRISE (DE LAVAL TURBINE)

		Part No.	ID	OD	Depth	Ang.
3	G - # G-4514					
	Eng. # 48006-11					
		Exhaust T- 4014	4 1/4	5.394	1	45
	Alternate Exhaust	Alt-Exh T- 4016	4 1/4	5.416	1	45
4	GSG-8-6 Gas					
		Exhaust T- 4112	4 1/4	5	9/16	45
5	M Model - # M-5277					
		Exhaust T- 1032	2 7/8	3.503	.485	45
6	Pt. # 08-360-03-AA					
	Exh. OEM #08-360-03-AA	Exhaust T- 3600	3 1/16	4 1/8	1	30
7	Pt. # 08-360-01-AH					
	Int. & Exh. OEM #08-360-01-AH	Intake T- 3601	3 1/4	4 1/8	1	45
	Alternate Intake & Exhaust	Alt-Int T- 3602	3 1/4	4.128	1	30/R
		Exhaust T- 3601	3 1/4	4 1/8	1	45
		Alt-Exh T- 3602	3 1/4	4.128	1	30/R
8	Pt. # 08-360-10-AL					
	Exh. OEM #08-360-10-AL	Exhaust T- 3605	3 3/8	4.503	1.188	30/R
9	Q Model #9867					
		Exhaust T- 7222	5 1/2	6 7/8	1 3/4	45
10	R Model 17 X 21 8445 L.P.					
		Exhaust T- 7223	5 1/2	6 5/8	11/16	45

FAIRBANKS-MORSE

		Part No.	ID	OD	Depth	Ang.
1	Z - 5 H.P.					
		Intake T- 1922	1 5/8	2	9/32	45
1		Exhaust T- 1922	1 5/8	2	9/32	45

FAIRBANKS-MORSE

		Part No.	ID	OD	Depth	Ang.
2	Z - 7 1/2 H.P.					
1		Intake T- 812	2	2 1/2	9/32	45
		Exhaust T- 812	2	2 1/2	9/32	45
3	ZD14 - 2 H.P.					
1		Intake T- 201	1	1 3/16	3/16	45
		Exhaust T- 201	1	1 3/16	3/16	45
4	ZC 52 - 3 H.P.					
1		Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
5	FM118					
1	TZC118, ZC118-7 H.P.	Intake T- 1921	1 5/8	2	1/4	45
		Exhaust T- 1921	1 5/8	2	1/4	45
6	FM208					
1	ZC208-9 H.P.	Intake T- 806	2	2 3/8	9/32	45
		Exhaust T- 806	2	2 3/8	9/32	45
7	FM346 2 Valve					
1		Intake T- 1350	2 1/4	2 5/8	5/16	45
		Exhaust T- 1350	2 1/4	2 5/8	5/16	45
8	FM346 3 Valve					
1		Intake T- 806	2	2 3/8	9/32	45
		Exhaust T- 1350	2 1/4	2 5/8	5/16	45
9	ZC346 - Old					
1		Intake T- 1350	2 1/4	2 5/8	5/16	45
		Exhaust T- 1350	2 1/4	2 5/8	5/16	45
10	ZC346 - Late w/2 Int. Valves					
1		Intake T- 806	2	2 3/8	9/32	45
		Exhaust T- 1350	2 1/4	2 5/8	5/16	45
11	FM503 2 Valve					
1		Intake T- 1214	2 1/2	3 1/8	1/2	45
		Exhaust T- 1214	2 1/2	3 1/8	1/2	45
12	FM503 3 Valve					
1		Intake T- 1350	2 1/4	2 5/8	5/16	45
		Exhaust T- 1214	2 1/2	3 1/8	1/2	45
13	ZC503 - Old					
1		Intake T- 1214	2 1/2	3 1/8	1/2	45
		Exhaust T- 1214	2 1/2	3 1/8	1/2	45

FAIRBANKS-MORSE

		Part No.	ID	OD	Depth	Ang.
14	ZC503 - Late w/2 Int. Valves					
1		Intake T- 806	2	2 3/8	9/32	45
		Exhaust T- 1214	2 1/2	3 1/8	1/2	45
15	FM739 2 Valve					
		Intake T- 1120	3	3 3/4	1/2	45
		Exhaust T- 1120	3	3 3/4	1/2	45
16	FM739 3 Valve					
		Intake T- 1214	2 1/2	3 1/8	1/2	45
		Exhaust T- 1120	3	3 3/4	1/2	45
17	FM739 4 Valve					
	ZC739 4 Valve	Intake T- 1350	2 1/4	2 5/8	5/16	45
		Exhaust T- 1120	3	3 3/4	1/2	45

FIAT

		Part No.	ID	OD	Depth	Ang.
1	100GBC, 100GBS, 100GC000, 100GL					
903 cc 4	0.9 L 1970-73	Intake T- 575	1.025	1 3/16	.234	45/R
		Exhaust T- 146	.910	1 1/8	.236	45/R
2	128A, 128					
1116 cc 4	1.1 L 1971-73	Intake T- 436	1.190	1 1/2	.330	45/R
		Alt-Int T- 449	1 9/64	1 1/2	21/64	45/R
		Exhaust T- 437	1.070	1 5/16	.330	45/R
		Alt. Int. w 1.423 VI. Hd., .325 depth				
3	SOHC 128AS, 128A, 128, 128SL, X19, X1/9					
1290 cc 4	1.3 L 1972-79	Intake T- 436	1.190	1 1/2	.330	45/R
		Alt-Int T- 449	1 9/64	1 1/2	21/64	45/R
		Exhaust T- 437	1.070	1 5/16	.330	45/R
		Alt. Int. w 1.423 VI. Hd., .325 depth				
4	SOHC 124AC, 124S, 124 Coupe & Spider					
1438 cc 4	1.4 L 1969-70	Intake T- 438	1.390	1 3/4	.250	45/R
		Exhaust T- 439	1.275	1 1/2	1/4	45/R
		Alt-Exh T- 476	1.220	1 1/2	.315	45/R
		Alt. Exh. w 1.435 VI. Hd., .315 depth				
5	SOHC 124AC, 124S, 124 Coupe & Spider (Alt)					
1438 cc 4	1.4 L 1969-70	Intake T- 438	1.390	1 3/4	.250	45/R
		Exhaust T- 616	1.201	1 1/2	5/16	45
		Alt. Exh. W 1.435 VI. Hd., .312 depth				

FIAT

		Part No.	ID	OD	Depth	Ang.	
6 SOHC 138A-2, Strada & X1/9							
1498 cc	1.5 L	Alt. Exh. w 1.423 VI. Hd., .325 depth	Intake T- 436	1.190	1 1/2	.330	45/R
4	1979-83		Exhaust T- 437	1.070	1 5/16	.330	45/R
			Alt-Exh T- 449	1 9/64	1 1/2	21/64	45/R
7 SOHC 132AB.1A.0, 132AC, 124 Special, TC, TC4							
1592 cc	1.6 L		Intake T- 438	1.390	1 3/4	.250	45/R
4	1973-74		Exhaust T- 439	1.275	1 1/2	1/4	45/R
8 SOHC 125BC, 124, 124S Coupe & Spider							
1608 cc	1.6 L		Intake T- 438	1.390	1 3/4	.250	45/R
4	1971-74		Exhaust T- 439	1.275	1 1/2	1/4	45/R
9 SOHC 131AC, 132AB.1A.0, 132AC.1C, 124 Spider/Brava							
1756 cc	1.8 L		Intake T- 438	1.390	1 3/4	.250	45/R
4	1974-78		Exhaust T- 439	1.275	1 1/2	1/4	45/R
10 SOHC 132AC.1C, 132AZ, 132C3, 132D, 132DB.2.A.0							
1995 cc	2 L	Brava, Spider 2000	Intake T- 438	1.390	1 3/4	.250	45/R
4	1979-85		Exhaust T- 439	1.275	1 1/2	1/4	45/R

FORD

		Part No.	ID	OD	Depth	Ang.	
1 Model T							
4	1909-27		Intake T- 934	1 5/16	1 5/8	7/32	45
			Exhaust T- 934	1 5/16	1 5/8	7/32	45
2 1295cc SOHC Mazda 8 Valve							
81 ci	1.3 L		Intake T- 385	1.060	1 3/8	.280	45/R
4	1988-97		Exhaust T- 2351	.910	1 1/4	.285	45/R
3 1598cc OHV F Series 8 Valve							
98 ci	1.6 L		Intake T- 264	1 1/4	1 7/16	7/32	45
4	1978-80		Exhaust T- 223	1 1/8	1 3/8	7/32	45
4 1598cc OHV L, W Series 8 Valve							
98 ci	1.6 L		Intake T- 950	1 3/8	1 9/16	1/4	45
4	1970-73		Exhaust T- 223	1 1/8	1 3/8	7/32	45
5 1598cc SOHC B6 Mazda 8 Valve							
98 ci	1.6 L		Intake T- 1047	1 5/16	1 5/8	.276	45/R
4	1988-89		Exhaust T- 2525	1 1/8	1 7/16	.300	45

FORD

		Part No.	ID	OD	Depth	Ang.	
6	1598cc SOHC 8 Valve includes Turbo						
98 ci	1.6 L	Hemi Head & HS Series Gas, Carb	Intake T- 1644	1 7/16	1 3/4	.302	45/R
4	1981-85		Exhaust T- 497	1.220	1 9/16	.344	45/R
7	1598cc DOHC 16 Valve Incl. Turbo						
98 ci	1.6 L		Intake T- 2365	.976	1.257	.180	
4	1991-94		Exhaust T- 136	.790	1 1/16	.254	45
8	1797cc SOHC Mazda 8 Valve						
110 ci	1.8 L		Intake T- 386	1.455	1 3/4	.310	45/R
4	1972-78		Exhaust T- 2516	1 3/32	1 1/2	.320	45/R
9	1797cc SOHC Mazda 8 Valve (Alt)						
110 ci	1.8 L	Alt. Int. w 1.657 VI. Hd., .313 depth	Intake T- 1525	1 1/2	1 3/4	5/16	45
4	1972-78		Exhaust T- 2516	1 3/32	1 1/2	.320	45/R
10	1839cc DOHC 16 Valve Mazda						
112 ci	1.8 L		Intake T- 658	1.162	1 7/16	.230	45
4	1991-96		Exhaust T- 142	.905	1 1/4	.230	45/R
11	1900cc SOHC including EFI (87-90)						
116 ci	1.9 L		Intake T- 1644	1 7/16	1 3/4	.302	45/R
4	1987-90		Exhaust T- 497	1.220	1 9/16	.344	45/R
12	1900cc SOHC with CFI and EFI(91-96)						
116 ci	1.9 L		Intake T- 543	1.320	1 5/8	.300	45
4	1987-96		Exhaust T- 544	1.105	1 7/16	.322	45
13	1900cc SOHC (Cam w/Roller)						
116 ci	1.9 L		Intake T- 974	1 5/16	1.569	9/32	45
4	1987-89		Exhaust T- 654	1 1/8	1 3/8	.305	45/R
14	1900cc SOHC Hemi Head & HS Series						
116 ci	1.9 L	Alt. Int. w 1.650 VI. Hd., .302 depth Exh. OEM #16775,65431	Intake T- 1824	1 7/16	1 3/4	5/16	45
4	1985-87		Alt-Int T- 1644	1 7/16	1 3/4	.302	45/R
			Exhaust T- 910	1 1/4	1 9/16	5/16	45
15	1900cc SOHC Hemi Head & HS Series (Alt)						
116 ci	1.9 L	Alt. Int. w 1.650 VI. Hd., .312 depth Alt. Exh. w 1.505 VI. Hd., .312 depth	Intake T- 1525	1 1/2	1 3/4	5/16	45
4	1985-87		Exhaust T- 919	1 5/16	1 5/8	5/16	45
16	1900cc SOHC (Hemi Combustion)						
116 ci	1.9 L		Intake T- 1644	1 7/16	1 3/4	.302	45/R
4	1985-90		Exhaust T- 497	1.220	1 9/16	.344	45/R

FORD

		Part No.	ID	OD	Depth	Ang.
17 1970cc SOHC Type MB Mazda						
121 ci	2 L		Intake T- 386	1.455	1 3/4	.310 45/R
4	1979-82	Alt. Int. w 1.657 VI. Hd., .312 depth	Alt-Int T- 1525	1 1/2	1 3/4	5/16 45
			Exhaust T- 2516	1 3/32	1 1/2	.320 45/R
18 1989cc SOHC						
122 ci	2 L		Intake T- 983	1 7/16	1 3/4	7/32 45
4	1971-74	Alt Int. w 1.664 VI. Hd., .250 depth	Alt-Int T- 393	1.440	1 3/4	1/4 45/R
		Alt. Exh. w 1.419 VI. Hd., .250 depth	Exhaust T- 271	1 1/4	1 1/2	7/32 45
			Alt-Exh T- 256	1 7/32	1 1/2	1/4 45
19 1989cc SOHC 8 Valve						
122 ci	2 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1983-88		Exhaust T- 370	1 7/32	1 7/16	7/32 45
20 1989cc SOHC Mazda Diesel						
122 ci	2 L		Intake T- 528	1.335	1 11/16	.275 45/R
4	1984-89		Exhaust T- 529	1.182	1 1/2	.275 45/R
21 SOHC 8 Valve						
122 ci	2 L		Intake T- 1809	1 1/2	1 13/16	5/16 45
4	1997-04		Exhaust T- 1785	1 1/4	1 1/2	5/16 ---
22 1991cc DOHC 16 Valve ZETEC						
122 ci	2 L		Intake T- 8012	1.024	1.3395	.335
4	2001-04		Exhaust T- 2341	.905	1 3/16	.257 45
23 2184cc SOHC 12 Valve Mazda Incl. Turbo						
133 ci	2.2 L		Intake T- 456	1.107	1 3/8	.253 45/R
4	1989-92		Alt-Int T- 625	1.102	1 3/8	.260 45
			Exhaust T- 635	1.166	1 7/16	1/4 45/R
			Alt-Exh T- 678	1.175	1 7/16	.260 45
24 2298cc SOHC Non Turbo						
140 ci	2.3 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
4	1974-93	Alt. Int. w 1.733 VI. Hd., .218 depth	Alt-Int T- 395	1.593	1 13/16	7/32 45/R
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 396	1.340	1 9/16	7/32 45/R
25 2298cc SOHC Turbo						
140 ci	2.3 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
4	1983-88	Alt. Int. w 1.733 VI. Hd., .218 depth	Alt-Int T- 395	1.593	1 13/16	7/32 45/R
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 396	1.340	1 9/16	7/32 45/R

FORD

		Part No.	ID	OD	Depth	Ang.
26 140 SOHC w Carburetor - HSC						
140 ci	2.3 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
4	1984-91	Alt. Int. w 1.733 VI. Hd., .218 depth	Alt-Int T- 395	1.593	1 13/16	7/32 45/R
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 396	1.340	1 9/16	7/32 45/R
27 140 SOHC w F. I. - HSC						
140 ci	2.3 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
4	1985-94	Alt. Int. w 1.733 VI. Hd., .218 depth	Alt-Int T- 395	1.593	1 13/16	7/32 45/R
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 396	1.340	1 9/16	7/32 45/R
28 DOHC 16 Valve "Duratec"						
140 ci	2.3 L					
4	2001-11		Exhaust T- 2475	1	1 1/4	.305 45
29 144 OHV 12 Valve						
144 ci	2.4 L		Intake T- 929	1 5/16	1 9/16	7/32 45
4	1960-64		Exhaust T- 222	1 1/8	1 3/8	3/16 45
30 SOHC 8 Valve						
153 ci	2.5 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
4	1998-01		Exhaust T- 924	1 1/4	1 9/16	7/32 45
31 153 SOHC HSC						
153 ci	2.5 L	OHV 8 Valve	Intake T- 1609	1 1/2	1 13/16	7/32 45
4	1986-91		Exhaust T- 900	1 5/16	1 9/16	3/16 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 929	1 5/16	1 9/16	7/32 45
32 2450cc DOHC 24 Valve "Duratec"						
155 ci	2.5 L		Intake T- 524	1 1/8	1 3/8	.325 45
6	1995-02		Exhaust T- 694	.825	1 1/8	.285 0/R
33 2550cc OHV						
159 ci	2.6 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1972-73		Exhaust T- 223	1 1/8	1 3/8	7/32 45
34 170 OHV 12 Valve Truck/Van Prior To 1965						
170 ci	2.8 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1960-64		Exhaust T- 222	1 1/8	1 3/8	3/16 45

FORD

		Part No.	ID	OD	Depth	Ang.
35 170 OHV 12 Valve After 1965						
170 ci	2.8 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1965-72		Exhaust T- 239	1 3/16	1 7/16	7/32 45
36 2792cc OHV						
171 ci	2.8 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1974-79	Alt. Int. w 1.570 VI. Hd., .218 depth	Alt-Int T- 397	1 3/8	1 11/16	7/32 45/R
			Exhaust T- 223	1 1/8	1 3/8	7/32 45
		Alt. Exh. w 1.269 VI. Hd., .218 depth	Alt-Exh T- 398	1 1/8	1 3/8	7/32 45/R
37 OHV 12 Valve						
171 ci	2.8 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1983-86		Exhaust T- 222	1 1/8	1 3/8	3/16 45
38 2934cc 12 Valve German - Ford						
177 ci	2.9 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1986-92		Exhaust T- 271	1 1/4	1 1/2	7/32 45
39 2960cc SOHC 12 Valve VG30E Nissan						
182 ci	3 L		Intake T- 2031	1 1/2	1 13/16	.278 45/R
6	1993-98		Alt-Int T- 1026	1.460	1 3/4	.275 45/R
			Exhaust T- 546	1.179	1 1/2	.293 45/R
			Alt-Exh T- 416	1 3/16	1 1/2	.305 45/R
40 2994cc DOHC 24 Valve Yamaha						
182 ci	3 L	Taurus-SHO only	Intake T- 239	1 3/16	1 7/16	7/32 45
6	1989-96		Alt-Int T- 370	1 7/32	1 7/16	7/32 45
			Exhaust T- 190	1	1 5/16	7/32 45
41 2999cc OHV Vulcan 12 Valve						
182 ci	3 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1986-08	Alt. Int. w 1.418 VI. Hd., .218 depth	Alt-Int T- 271	1 1/4	1 1/2	7/32 45
			Exhaust T- 370	1 7/32	1 7/16	7/32 45
			Alt-Exh T- 239	1 3/16	1 7/16	7/32 45
42 DOHC 24 Valve "Duratec"						
182 ci	3 L		Exhaust T- 142	.905	1 1/4	.230 45/R
6	1996-11					

FORD

		Part No.	ID	OD	Depth	Ang.	
43 195 DOHC 24 Valve Yamaha							
195 ci	3.2 L	Taurus - SHO only	Intake T- 239	1 3/16	1 7/16	7/32	45
6	1993-96		Alt-Int T- 370	1 7/32	1 7/16	7/32	45
			Exhaust T- 190	1	1 5/16	7/32	45
44 Model A							
200 ci	3.3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1928-34		Exhaust T- 952	1 3/8	1 5/8	7/32	45
45 Model B							
200 ci	3.3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1928-34		Exhaust T- 952	1 3/8	1 5/8	7/32	45
46 200 OHV 12 Valve							
200 ci	3.3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
6	1963-64		Exhaust T- 222	1 1/8	1 3/8	3/16	45
47 200 OHV 12 Valve							
200 ci	3.3 L		Intake T- 986	1 1/2	1 3/4	7/32	45
6	1965-76		Exhaust T- 370	1 7/32	1 7/16	7/32	45
48 200 OHV 12 Valve							
200 ci	3.3 L		Intake T- 1616	1 9/16	1 13/16	7/32	45
6	1977-84		Alt-Int T- 1599	1 9/16	1 13/16	3/16	45
			Exhaust T- 370	1 7/32	1 7/16	7/32	45
49 215							
215 ci	3.5 L		Intake T- 986	1 1/2	1 3/4	7/32	45
6	1952-53		Exhaust T- 271	1 1/4	1 1/2	7/32	45
50 221 OHV 16 Valve							
221 ci	3.6 L		Intake T- 952	1 3/8	1 5/8	7/32	45
8	1962-63		Exhaust T- 271	1 1/4	1 1/2	7/32	45
			Alt. Exh. w 1.388 VI. Hd.,.218 depth	Alt-Exh T- 400	1 7/32	1 1/2	7/32
51 223 OHV 12 Valve							
223 ci	3.7 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
6	1954-66		Exhaust T- 952	1 3/8	1 5/8	7/32	45

FORD

		Part No.	ID	OD	Depth	Ang.
52 230 Alum.						
230 ci	3.8 L		Intake T- 1670	1.640	1 7/8	9/32 45
6	1982-90		Exhaust T- 936	1 5/16	1 5/8	9/32 45
53 232 Carb. & F.I. (Alum. Head) & Supercharged						
232 ci	3.8 L		Intake T- 1670	1.640	1 7/8	9/32 45
6	1982-04	Alt. Int. w 1.780 VI. Hd., .280 depth	Alt-Int T- 1928	1 5/8	1.883	9/32 45
			Exhaust T- 936	1 5/16	1 5/8	9/32 45
		Alt. Exh. w 1.457 VI. Hd., .280 depth	Alt-Exh T- 974	1 5/16	1.569	9/32 45
54 239 OHV - All L Heads						
239 ci	3.9 L		Intake T- 952	1 3/8	1 5/8	7/32 45
8	1948-54		Exhaust T- 949	1 3/8	1.640	1/4 45
55 240 OHV 12 Valve						
240 ci	3.9 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1965-74		Exhaust T- 976	1 13/32	1 11/16	1/4 45
56 OHV 12 Valve VGE4 German						
245 ci	4 L	X, 8X, ZZL, VGE4	Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1990-01		Exhaust T- 370	1 7/32	1 7/16	7/32 45
57 4009cc SOHC 12 Valve "Land Rover"						
4009 cc	4 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	2005-08		Exhaust T- 2863	1.329	1 5/8	9/32 45
58 4016cc SOHC 12 Valve						
245 ci	4 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1997-11		Exhaust T- 2863	1.329	1 5/8	9/32 45
59 250 OHV 12 Valve - 1969 To 1976						
250 ci	4.1 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1969-76	Alt. Int. w 1.656 VI. Hd., .218 depth	Alt-Int T- 1968	1 9/16	1 7/8	7/32 45
			Exhaust T- 370	1 7/32	1 7/16	7/32 45
60 250 OHV 12 Valve - 1977 To 1983						
250 ci	4.1 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1977-83	Alt. Int. w 1.750 VI. Hd., .218 depth	Alt-Int T- 1629	1 5/8	1 7/8	7/32 45/R
			Exhaust T- 370	1 7/32	1 7/16	7/32 45

FORD

				Part No.	ID	OD	Depth	Ang.
61		255 OHV 16 Valve						
255 ci	4.2 L	Alt. Exh. w 1.460 VI. Hd., .218 depth	Intake	T- 986	1 1/2	1 3/4	7/32	45
8	1980-83		Exhaust	T- 929	1 5/16	1 9/16	7/32	45
			Alt-Exh	T- 964	1 5/16	1 9/16	7/32	45/R
62		256 16 Valve						
256 ci	4.2 L		Intake	T- 1635	1 1/2	1 13/16	7/32	45/R
8	1954-55		Alt-Int	T- 1609	1 1/2	1 13/16	7/32	45
			Exhaust	T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh	T- 1509	1 21/64	1.631	5/16	45
63		256 OHV 12 Valve						
256 ci	4.2 L		Exhaust	T- 579	1 1/4	1 9/16	.319	45/R
6	1997-08							
64		260 OHV - 16 Valve 1962 To 1963						
260 ci	4.3 L		Intake	T- 981	1 7/16	1 11/16	7/32	45
8	1962-63		Exhaust	T- 271	1 1/4	1 1/2	7/32	45
65		260 OHV - 16 Valve 1964 To 1965						
260 ci	4.3 L	Alt. Int. w 1.670 VI. Hd., .250 depth Alt. Exh. w 1.500 VI. Hd., .218 depth	Intake	T- 986	1 1/2	1 3/4	7/32	45
8	1964-65		Alt-Int	T- 987	1 1/2	1 3/4	1/4	45
			Exhaust	T- 929	1 5/16	1 9/16	7/32	45
			Alt-Exh	T- 964	1 5/16	1 9/16	7/32	45/R
66		262						
262 ci	4.3 L		Intake	T- 1635	1 1/2	1 13/16	7/32	45/R
6	1961-64		Alt-Int	T- 1609	1 1/2	1 13/16	7/32	45
			Exhaust	T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh	T- 1509	1 21/64	1.631	5/16	45
67		272 OHV						
272 ci	4.5 L	Alt. Int. w 1.925 VI. Hd., .218 depth	Intake	T- 1635	1 1/2	1 13/16	7/32	45/R
8	1955-62		Alt-Int	T- 301	1 3/4	2	7/32	45
			Exhaust	T- 990	1 5/16	1 9/16	1/4	45/R
			Alt-Exh	T- 929	1 5/16	1 9/16	7/32	45
68		4605cc SOHC 16 Valve Modular Natural Gas						
281 ci	4.6 L		Intake	T- 896	1 19/32	1 7/8	1/4	45/R
8	1992-11		Exhaust	T- 654	1 1/8	1 3/8	.305	45/R
			Alt-Exh	T- 339	1.203	1 1/2	.280	45/R

FORD

		Part No.	ID	OD	Depth	Ang.
69	281 DOHC 32 Valve Modular					
281 ci	4.6 L		Intake T- 2560	1 5/16	1 1/2	1/4 45
8	1993-05		Alt-Int T- 779	1.295	1 1/2	.262 45
			Exhaust T- 2365	.976	1.257	.180
70	289 OHV					
289 ci	4.7 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1963-68		Exhaust T- 929	1 5/16	1 9/16	7/32 45
71	289 OHV - 1963 To 1968					
289 ci	4.7 L	Alt. Int. w 1.750 VI. Hd., .218 depth	Intake T- 1629	1 5/8	1 7/8	7/32 45/R
8	1963-68		Exhaust T- 929	1 5/16	1 9/16	7/32 45
72	289 OHV - Mid 63 To Mid 64					
289 ci	4.7 L	Alt. Int. w 1.670 VI. Hd., .218 depth	Intake T- 986	1 1/2	1 3/4	7/32 45
8	1963-64		Exhaust T- 929	1 5/16	1 9/16	7/32 45
73	292 OHV					
292 ci	4.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1955-56		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
74	292 Edsel / Ford					
292 ci	4.8 L		Intake T- 301	1 3/4	2	7/32 45
8	1957-59		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
75	292 Edsel / Ford					
292 ci	4.8 L		Intake T- 986	1 1/2	1 3/4	7/32 45
8	1960-62		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
76	302 OHV Carb.					
302 ci	5 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1968-82		Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.460 VI. Hd., .218 depth	Alt-Exh T- 921	1 9/32	1 9/16	7/32 45
77	302 OHV Carb. late model heads w thin wall sect.					
302 ci	5 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1968-82		Exhaust T- 900	1 5/16	1 9/16	3/16 45
78	302 LPG, Propane, & Natural Gas					
302 ci	5 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
8	1968-96		Exhaust T- 929	1 5/16	1 9/16	7/32 45

FORD

		Part No.	ID	OD	Depth	Ang.
79 302 OHV F.I. & High Output						
302 ci	5 L	Int. OEM #151255 Alt. Exh. w 1.460 VI. Hd., .218 depth	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1983-96		Exhaust T- 400	1 7/32	1 1/2	7/32 45/R
			Alt-Exh T- 921	1 9/32	1 9/16	7/32 45
80 302 OHV F.I. & High Output (Alt)						
302 ci	5 L	Int. OEM #151255 Alt. Exh. For late model heads w thin wall sections	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1983-96		Exhaust T- 900	1 5/16	1 9/16	3/16 45
81 312 OHV - 1956						
312 ci	5.1 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1956		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
82 312 OHV - 1957						
312 ci	5.1 L		Intake T- 301	1 3/4	2	7/32 45
8	1957		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
83 312 OHV - 1960						
312 ci	5.1 L		Intake T- 986	1 1/2	1 3/4	7/32 45
8	1960		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
84 332 OHV						
332 ci	5.4 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1958-59		Exhaust T- 976	1 13/32	1 11/16	1/4 45
85 351C Cleveland w 4 BRL Carb.						
351 ci	5.8 L	(except Boss Mustang) Alt. Int. w 2.041 VI. Hd., .250 depth	Intake T- 1755	1 7/8	2 1/4	9/32 45
8	1970-72		Alt-Int T- 321	1 7/8	2 1/8	1/4 45
			Exhaust T- 1616	1 9/16	1 13/16	7/32 45
86 351C Cleveland						
351 ci	5.8 L	(Except Boss Mustang)	Intake T- 318	1 13/16	2 1/8	1/4 45
8	1973-74		Exhaust T- 986	1 1/2	1 3/4	7/32 45
87 351M Modified LPG, Propane, & Natural Gas						
351 ci	5.8 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1970-79		Exhaust T- 986	1 1/2	1 3/4	7/32 45
88 351W Windsor, Prior To 1975						
351 ci	5.8 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1969-74		Exhaust T- 952	1 3/8	1 5/8	7/32 45

FORD

		Part No.	ID	OD	Depth	Ang.
89 351W Windsor - 1975 and Newer						
351 ci	5.8 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1975-92		Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.460 VI. Hd., .218 depth	Alt-Exh T- 921	1 9/32	1 9/16	7/32 45
90 351W Windsor LPG, Propane, & Natural Gas						
351 ci	5.8 L		Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1975-91		Exhaust T- 929	1 5/16	1 9/16	7/32 45
91 352 OHV						
352 ci	5.8 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1958-67		Exhaust T- 976	1 13/32	1 11/16	1/4 45
92 361 OHV H.D.						
361 ci	5.9 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1958-76		Exhaust T- 976	1 13/32	1 11/16	1/4 45
93 390 OHV Gas						
390 ci	6.4 L	Except Police and HP	Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1961-71		Exhaust T- 976	1 13/32	1 11/16	1/4 45
		Alt. Exh. w 1.600 VI. Hd., .250 depth	Alt-Exh T- 1884	1 3/8	1 5/8	1/4 45/R
94 390 H.P. And Police Only						
390 ci	6.4 L		Intake T- 2720	1 29/32	2 1/8	1/4 45
8	1963-72		Exhaust T- 976	1 13/32	1 11/16	1/4 45
95 391 H.D.						
391 ci	6.4 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1958-76		Exhaust T- 976	1 13/32	1 11/16	1/4 45
96 6.6 Powerstroke						
2004			Intake T- 163	7/8	1 1/8	7/32 30
			Exhaust T- 163	7/8	1 1/8	7/32 30
97 400 OHV Gas						
400 ci	6.6 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1972-83		Exhaust T- 986	1 1/2	1 3/4	7/32 45

FORD

		Part No.	ID	OD	Depth	Ang.
98 406 OHV						
406 ci	6.6 L	Alt. Exh. w 1.655 VI. Hd., .218 depth	Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1962-63		Exhaust T- 976	1 13/32	1 11/16	1/4 45
			Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
99 410 OHV						
410 ci	6.7 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1966-67		Alt-Int T- 321	1 7/8	2 1/8	1/4 45
			Exhaust T- 976	1 13/32	1 11/16	1/4 45
			Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
100 427 OHV						
427 ci	7 L	Alt. Int. w 2.090 VI. Hd., .187 depth	Intake T- 321	1 7/8	2 1/8	1/4 45
8	1963-68		Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
101 428 OHV - CJ & SCJ Only						
428 ci	7 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1968-70		Exhaust T- 986	1 1/2	1 3/4	7/32 45
102 428 OHV - Except CJ & SCJ						
428 ci	7 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1966-70		Exhaust T- 952	1 3/8	1 5/8	7/32 45
103 429 OHV Except CJ & SCJ & Police						
429 ci	7 L	Alt. Int. w 2.245 VI. Hd. Alt. Exh w 1.725 VI. Hd.	Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1968-73		Alt-Int T- 802	2	2 5/16	9/32 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
			Alt-Exh T- 2028	1 9/16	1 3/4	7/32 45
104 460 OHV						
460 ci	7.5 L	Alt. Exh. w 1.660 VI. Hd., .255 depth	Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1968-78		Exhaust T- 986	1 1/2	1 3/4	7/32 45
			Alt-Exh T- 455	1 1/2	1 3/4	.255 45/R
105 460 OHV (Alt)						
460 ci	7.5 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1968-78		Exhaust T- 1968	1 9/16	1 7/8	7/32 45

FORD TRACTOR AND INDUSTRIAL

		Part No.	ID	OD	Depth	Ang.	
1 120 - 1939 to 1948							
120 ci	2 L	2N, 2NAN, 8N, 8NAN, 8NNN, 9N, 9NAN to Serial #42161, BN025, Fordson Tractor	Intake T- 952	1 3/8	1 5/8	7/32	45
4	1939-48		Exhaust T- 220	1 3/32	1 11/32	13/64	45
2 120 - 1949 to 1952							
120 ci	2 L	8N, 8NAN, 8NNN after Serial #42162, BN025, Fordson	Intake T- 952	1 3/8	1 5/8	7/32	45
4	1949-52		Exhaust T- 220	1 3/32	1 11/32	13/64	45
3 134 Gas, Kerosene, & LPG							
134 ci	2.2 L	NAA, NAB, 500, 600, 700, 2000, 2100, 20,000 Series	Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1953-64		Alt-Int T- 1609	1 1/2	1 13/16	7/32	45
			Exhaust T- 943	1 11/32	1 5/8	7/32	45
			Alt-Exh T- 2749	1 11/32	1.636	7/32	45
4 134, 134E, E134, E, JE, B8PE							
134 ci	2.2 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1953-78		Exhaust T- 943	1 11/32	1 5/8	7/32	45
5 144 Diesel							
144 ci	2.4 L	500, 600, 700, 2000, 20,000 Series	Intake T- 943	1 11/32	1 5/8	7/32	45
4	1959-64		Exhaust T- 205	1	1 1/4	7/32	45
6 158 Gas, Diesel, & LPG							
158 ci	2.6 L	Dextra 2000, Ford Force 2000, 3000, Super Dextra 3000, 231, 233, 2000, 3000 Series	Intake T- 1678	1.650	1.900	.300	45
3	1959-64		Alt-Int T- 1697	1.650	1.902	1/4	45
			Exhaust T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh T- 2983	1.340	1.600	.300	45
7 172 Gas, Kerosene & LPG							
172 ci	2.8 L	800, 900, 1000, 1800, 3000, 4000, 40,000 Series	Intake T- 1609	1 1/2	1 13/16	7/32	45
4	1955-78		Exhaust T- 943	1 11/32	1 5/8	7/32	45
8 172 Diesel							
172 ci	2.8 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1958-64		Exhaust T- 952	1 3/8	1 5/8	7/32	45
9 172, B172 Diesel							
172 ci	2.8 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1958-78		Exhaust T- 943	1 11/32	1 5/8	7/32	45
10 172, D, DD, D172, B8PD Gas							
172 ci	2.8 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1955-78		Exhaust T- 943	1 11/32	1 5/8	7/32	45

FORD TRACTOR AND INDUSTRIAL

		Part No.	ID	OD	Depth	Ang.	
11 175 Diesel							
175 ci	2.8 L	Dextra 2000, Ford Force 2000, 3000, Super Dextra 3000, 231, 233, 333, 335, 340, 420, 2000, 3000 Series Loader	Intake T- 1678	1.650	1.900	.300	45
3	1965-81		Alt-Int T- 1697	1.650	1.902	1/4	
			Exhaust T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh T- 2983	1.340	1.600	.300	45
12 192 Gas & Diesel							
192 ci	3.1 L	Ford Force 4000, Major 4000, 4000 Series, 4500	Intake T- 1678	1.650	1.900	.300	45
3	1971-81		Alt-Int T- 1697	1.650	1.902	1/4	
			Exhaust T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh T- 2983	1.340	1.600	.300	45
13 192							
192 ci	3.1 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
3	1972-78		Exhaust T- 952	1 3/8	1 5/8	7/32	45
			Alt-Exh T- 943	1 11/32	1 5/8	7/32	45
14 200, 200 GP 12 Valve							
200 ci	3.3 L	Alt. Int. w 1.753 VI. Hd., .218 depth	Intake T- 986	1 1/2	1 3/4	7/32	45
6	1968-80		Alt-Int T- 1616	1 9/16	1 13/16	7/32	45
			Exhaust T- 370	1 7/32	1 7/16	7/32	45
15 201 Gas & Diesel							
201 ci	3.3 L	Ford Force 4000, Major 4000, 431, 445, 500, 515, 531, 535, 540, 545, 550, 555, 4000 Series Loader	Intake T- 1678	1.650	1.900	.300	45
3	1965-81		Alt-Int T- 1697	1.650	1.902	1/4	
			Exhaust T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh T- 1821	1 11/32	1 5/8	5/16	45
16 220 Diesel A1DDN-B, 592E (3611cc)							
220 ci	3.6 L	Crawler 22, 25, DG4-22, 25 Fordson Major 22-25, Power, 5000, Super 5000, Super 4, U12, U14, 12, 14, 72,	Intake T- 1968	1 9/16	1 7/8	7/32	45
4	1958-67		Exhaust T- 966	1 3/8	1 3/4	7/32	45
17 F, JF, JF-5, B6PF 12 Valve							
223 ci	3.7 L		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1958-67		Exhaust T- 1821	1 11/32	1 5/8	5/16	45
18 223 Gas							
223 ci	3.7 L	Commander 6000, 17-1, 6000 Series, 60,000 Series	Intake T- 986	1 1/2	1 3/4	7/32	45
6	1958-71		Exhaust T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh T- 2983	1.340	1.600	.300	45

FORD TRACTOR AND INDUSTRIAL

		Part No.	ID	OD	Depth	Ang.	
19 233 Gas & Diesel							
233 ci	3.8 L	Ford Force 5000, Super Major 5000, 620, 622, 650, 750, 5000 Series Combine	Intake T- 1678	1.650	1.900	.300	45
4	1965-68		Alt-Int T- 1697	1.650	1.902	1/4	
			Exhaust T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh T- 2983	1.340	1.600	.300	45
20 240GF, C5PF 12 Valve							
240 ci	3.9 L		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1965-73		Exhaust T- 952	1 3/8	1 5/8	7/32	45
21 242 Diesel							
242 ci	4 L	Commander 6000, 6000 Series, 60,000 Series	Intake T- 983	1 7/16	1 3/4	7/32	45
6	1961-71		Exhaust T- 227	1 1/8	1 7/16	7/32	45
22 256 Gas & Diesel							
256 ci	4.2 L	A62, County Super 4, Ford Force 5000, Major 7000, Super Major 5000, 622, 650, 750, 5000, 6000, 7000 Series Combine, Loader	Intake T- 1678	1.650	1.900	.300	45
4	1968-81		Alt-Int T- 1697	1.650	1.902	1/4	
			Exhaust T- 1821	1 11/32	1 5/8	5/16	45
			Alt-Exh T- 2983	1.340	1.600	.300	45
23 262, 262G, C1PG 12 Valve							
262 ci	4.3 L		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1961-67		Exhaust T- 1821	1 11/32	1 5/8	5/16	45
24 292 Heavy Duty							
292 ci	4.8 L		Intake T- 318	1 13/16	2 1/8	1/4	45
			Exhaust T- 1821	1 11/32	1 5/8	5/16	45
25 K, K292, B8PK							
292 ci	4.8 L		Intake T- 983	1 7/16	1 3/4	7/32	45
8	1958-63		Alt-Int T- 301	1 3/4	2	7/32	45
			Exhaust T- 990	1 5/16	1 9/16	1/4	45/R
26 300GF, C5PG, C5G649 12 Valve							
300 ci	4.9 L		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1965-96		Exhaust T- 1708	1 13/32	1 11/16	5/16	45
			Alt-Exh T- 1842	1 11/32	1 11/16	5/16	45

FORD TRACTOR AND INDUSTRIAL

		Part No.	ID	OD	Depth	Ang.
27 330 "Y" Series Diesel 12 Valve						
330 ci	5.4 L	5416cc	Intake T- 1968	1 9/16	1 7/8	7/32 45
6	1964-78		Exhaust T- 966	1 3/8	1 3/4	7/32 45
28 330MD (Medium), 330HD (Heavy)						
330 ci	5.4 L	C4PA, C4PD, C4PG, C5PD	Intake T- 1645	1.595	1 13/16	1/4 45
8	1964-76	Alt. Int. w 1.753 VI. Hd., .250 depth	Alt-Int T- 1620	1 9/16	1 7/8	1/4 45
			Exhaust T- 1821	1 11/32	1 5/8	5/16 45
		Alt. Exh. w 1.505 VI. Hd., .312 depth	Alt-Exh T- 1842	1 11/32	1 11/16	5/16 45
29 L, L332, B6PL						
332 ci	5.4 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1956-67		Exhaust T- 1821	1 11/32	1 5/8	5/16 45
30 361GF, C4PB, C5PB						
361 ci	5.9 L		Intake T- 1645	1.595	1 13/16	1/4 45
8	1964-76	Alt. Int. w 1.753 VI. Hd., .250 depth	Alt-Int T- 1620	1 9/16	1 7/8	1/4 45
			Exhaust T- 1821	1 11/32	1 5/8	5/16 45
		Alt. Exh. w 1.505 VI. Hd., .312 depth	Alt-Exh T- 1842	1 11/32	1 11/16	5/16 45
31 391GF, C4PC, C5PC						
391 ci	6.4 L		Intake T- 1645	1.595	1 13/16	1/4 45
8	1964-76	Alt. Int. w 1.753 VI. Hd., .250 depth	Alt-Int T- 1620	1 9/16	1 7/8	1/4 45
			Exhaust T- 1821	1 11/32	1 5/8	5/16 45
		Alt. Exh. w 1.505 VI. Hd., .312 depth	Alt-Exh T- 1842	1 11/32	1 11/16	5/16 45
32 401D, 401DT Diesel & Turbo Diesel 12 Valve						
401 ci	6.6 L	A64, A66, County Super 6, Major 8000, 9000, TW10, 20, 30, 8000 Series, 9000 Series Loader	Intake T- 1678	1.650	1.900	.300 45
6	1968-81		Alt-Int T- 1697	1.650	1.902	1/4 45
			Exhaust T- 1821	1 11/32	1 5/8	5/16 45
			Alt-Exh T- 2983	1.340	1.600	.300 45
33 401DF, 401DFT, BSD666, BSD666T, B8PQ, M, N, Q						
401 ci	6.6 L		Intake T- 2717	1 27/32	2.220	5/16 45
8	1958-70		Exhaust T- 1851	1.444	1.746	5/16 45
34 428GI						
428 ci	7 L		Intake T- 1645	1.595	1 13/16	1/4 45
8	1958-70	Alt. Int. w 1.753 VI. Hd., .250 depth	Alt-Int T- 1620	1 9/16	1 7/8	1/4 45
			Exhaust T- 1821	1 11/32	1 5/8	5/16 45
		Alt. Exh. w 1.505 VI. Hd., .312 depth	Alt-Exh T- 1842	1 11/32	1 11/16	5/16 45

FORD TRACTOR AND INDUSTRIAL

		Part No.	ID	OD	Depth	Ang.
35	460GM, 460GP, LSG875					
460 ci	7.5 L					
8	1976-94					
		Intake T- 1759	1 15/16	2 1/4	3/16	45
		Exhaust T- 935	1 5/16	1 5/8	1/4	45
36	477GF, B8PM, LSG878, M, Q					
477 ci	7.8 L					
8	1958-71					
		Intake T- 2717	1 27/32	2.220	5/16	45
		Exhaust T- 1851	1.444	1.746	5/16	45
37	534GF, B8PN, LSG888, N, Q					
534 ci	8.8 L					
8	1958-70					
		Intake T- 2717	1 27/32	2.220	5/16	45
		Exhaust T- 1851	1.444	1.746	5/16	45

FORD TRUCK

		Part No.	ID	OD	Depth	Ang.
1	1797cc 110 SOHC Mazda VB					
110 ci	1.8 L					
4	1972-78	Alt. Int. w 1.657 VI. Hd., .312 depth				
		Intake T- 386	1.455	1 3/4	.310	45/R
		Alt-Int T- 1525	1 1/2	1 3/4	5/16	45
		Exhaust T- 2516	1 3/32	1 1/2	.320	45/R
2	1970cc 121 SOHC MB Mazda					
121 ci	2 L					
4	1979-82	Alt. Int. w 1.657 VI. Hd., .312 depth				
		Intake T- 386	1.455	1 3/4	.310	45/R
		Alt-Int T- 1525	1 1/2	1 3/4	5/16	45
		Exhaust T- 2516	1 3/32	1 1/2	.320	45/R
3	122 SOHC					
122 ci	2 L					
4	1983-88	Alt. Int. w 1.733 VI. Hd., .218 depth				
		Intake T- 981	1 7/16	1 11/16	7/32	45
		Alt-Int T- 395	1.593	1 13/16	7/32	45/R
		Exhaust T- 370	1 7/32	1 7/16	7/32	45
		Alt-Exh T- 929	1 5/16	1 9/16	7/32	45
		Alt. Exh. W 1.500 VI. Hd., .218 depth Straight I. D.				
4	122 SOHC (Alt)					
122 ci	2 L					
4	1983-88	Alt. Exh. w 1.500 VI. Hd., .218 depth tapered I.D.				
		Intake T- 981	1 7/16	1 11/16	7/32	45
		Exhaust T- 964	1 5/16	1 9/16	7/32	45/R
5	2298cc 140 SOHC Incl. Carb. & F.I.					
140 ci	2.3 L					
4	1977-97					
		Intake T- 1609	1 1/2	1 13/16	7/32	45
		Exhaust T- 929	1 5/16	1 9/16	7/32	45
6	2298cc 140 SOHC Incl. Carb. & F.I. (Alt)					
140 ci	2.3 L					
4	1977-97	Alt. Int. w 1.733 VI. Hd., .218 depth				
		Intake T- 395	1.593	1 13/16	7/32	45/R
		Exhaust T- 396	1.340	1 9/16	7/32	45/R
		Alt. Exh. w 1.500 VI. Hd., .218 depth				

FORD TRUCK

				Part No.	ID	OD	Depth	Ang.
7		2298cc 140 SOHC Diesel & Turbo Diesel Mitsubishi						
140 ci	2.3 L	Alt. Intake	Intake	T- 1991	1 13/32	1 3/4	5/16	45
4	1985-87		Alt-Int	T- 540	1.415	1 3/4	.300	45/R
			Exhaust	T- 1023	1.255	1 1/2	.318	45
8		144 OHV 12 Valve						
144 ci	2.4 L	E100, P100	Intake	T- 929	1 5/16	1 9/16	7/32	45
6	1960-64		Exhaust	T- 222	1 1/8	1 3/8	3/16	45
9		170 OHV 12 Valve						
170 ci	2.8 L	Bronco, E100, 200, 300, P100, 350, 400, 500 Series	Intake	T- 952	1 3/8	1 5/8	7/32	45
6	1962-64		Exhaust	T- 222	1 1/8	1 3/8	3/16	45
10		170 OHV 12 Valve						
170 ci	2.8 L	E-100, 200, 300, P100, 350, 400, 500 Series	Intake	T- 986	1 1/2	1 3/4	7/32	45
6	1965-72		Exhaust	T- 239	1 3/16	1 7/16	7/32	45
11		171 OHV 12 Valve						
171 ci	2.8 L		Intake	T- 981	1 7/16	1 11/16	7/32	45
6	1983-88		Exhaust	T- 223	1 1/8	1 3/8	7/32	45
12		2934cc 177 German 12 Valve						
177 ci	2.9 L		Intake	T- 986	1 1/2	1 3/4	7/32	45
6	1986-92		Exhaust	T- 271	1 1/4	1 1/2	7/32	45
			Alternate Exhaust	Alt-Exh	T- 1688	1 1/4	1 7/16	3/16
13		2999cc 183 OHV Vulcan 12 Valve						
183 ci	3 L		Intake	T- 986	1 1/2	1 3/4	7/32	45
6	1986-01		Exhaust	T- 239	1 3/16	1 7/16	7/32	45
14		200 OHV 12 Valve						
200 ci	3.3 L		Intake	T- 986	1 1/2	1 3/4	7/32	45
6	1965-74		Exhaust	T- 370	1 7/32	1 7/16	7/32	45
15		223 OHV 12 Valve						
223 ci	3.6 L	Int. OEM #151255 F100, 250, 350, 400, 500, 550, 600, P100, 350	Intake	T- 1626	1 5/8	1 7/8	7/32	45
6	1954-64		Exhaust	T- 952	1 3/8	1 5/8	7/32	45
16		230						
230 ci	3.8 L		Intake	T- 1670	1.640	1 7/8	9/32	45
6	1982-83		Exhaust	T- 936	1 5/16	1 5/8	9/32	45

FORD TRUCK

		Part No.	ID	OD	Depth	Ang.
17	232 OHV Carb. 12 Valve					
232 ci	3.8 L	F-100	Intake T- 1670	1.640	1 7/8	9/32 45
6	1982-84		Exhaust T- 936	1 5/16	1 5/8	9/32 45
18	232 OHV F.I. 12 Valve					
232 ci	3.8 L		Intake T- 1928	1 5/8	1.883	9/32 45
6	1995-01		Exhaust T- 974	1 5/16	1.569	9/32 45
19	239 L head					
239 ci	3.9 L	F100, 250, 350, 500, 600, 700, 800, 900 Series	Intake T- 952	1 3/8	1 5/8	7/32 45
8	1953-54		Exhaust T- 953	1 3/8	1 5/8	1/4 45
20	240 OHV 12 Valve					
240 ci	3.9 L	E100, 200, F100, 250, 350, P100, 350, 400, 500, 550, 600, 700, 750 Series	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1965-74		Exhaust T- 976	1 13/32	1 11/16	1/4 45
21	244 12 Valve VGE4 German					
244 ci	4 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1990-97		Exhaust T- 249	1 13/64	1 7/16	7/32 30/R
22	244 SOHC 12 Valve German					
244 ci	4 L		Exhaust T- 2863	1.329	1 5/8	9/32 45
6	1998-01					
23	245 SOHC 12 Valve					
245 ci	4 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1997-09					
24	255 OHV 16 Valve					
255 ci	4.2 L	Bronco, E100, 250, 350, F100, 150, 250, 350	Intake T- 986	1 1/2	1 3/4	7/32 45
8	1980-82		Exhaust T- 929	1 5/16	1 9/16	7/32 45
25	256 OHV					
256 ci	4.2 L	F100, 250, 350, 500, 600, 700 Series	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1954-55		Exhaust T- 1821	1 11/32	1 5/8	5/16 45
26	256 OHV 12 Valve					
256 ci	4.2 L		Exhaust T- 579	1 1/4	1 9/16	.319 45/R
6	1997-08					
27	262 OHV 12 Valve					
262 ci	4.3 L	F100, 250, 350, 500, 550, 600, 700 Series	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1961-64		Exhaust T- 1821	1 11/32	1 5/8	5/16 45
28	272 OHV					
272 ci	4.5 L	F100, 250, 350, P350, 400, 500, 600, 700 Series	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1956-57		Exhaust T- 929	1 5/16	1 9/16	7/32 45

FORD TRUCK

			Part No.	ID	OD	Depth	Ang.
29	272 OHV w 1.925 vl. hd.						
272 ci	4.5 L	F100, 250, 350, P350, 400, 500, 600, 700 Series	Intake T- 301	1 3/4	2	7/32	45
8	1957-58		Exhaust T- 929	1 5/16	1 9/16	7/32	45
30	281 SOHC 16 Valve "Triton"						
281 ci	4.6 L		Intake T- 896	1 19/32	1 7/8	1/4	45/R
8	1997-07		Exhaust T- 654	1 1/8	1 3/8	.305	45/R
			Alt-Exh T- 339	1.203	1 1/2	.280	45/R
31	281 DOHC 32 Valve						
281 ci	4.6 L		Intake T- 779	1.295	1 1/2	.262	45
8	2003-05		Exhaust T- 2365	.976	1.257	.180	
32	289 OHV						
289 ci	4.7 L		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
8	1965-68		Exhaust T- 929	1 5/16	1 9/16	7/32	45
33	292 OHV						
292 ci	4.8 L	F100, 250, 350, P350, 450, 500, 550, 600, 700, 800 Series	Intake T- 983	1 7/16	1 3/4	7/32	45
8	1958-64	Alt. Int. w 1.925 Vl. Hd.	Alt-Int T- 301	1 3/4	2	7/32	45
			Exhaust T- 990	1 5/16	1 9/16	1/4	45/R
34	300 OHV						
300 ci	4.9 L	400, 450, 500, 550, 600, 700, 750 Series	Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1965-81	Alt. Int. w 1.655 Vl. Hd., .218 depth	Alt-Int T- 986	1 1/2	1 3/4	7/32	45
			Exhaust T- 976	1 13/32	1 11/16	1/4	45
35	300 OHV Carb. 12 Valve						
300 ci	4.9 L	Bronco, E100, 150, 200, 250, 300, 350, F100, 150, 250, 350, P100, 350	Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1965-86		Exhaust T- 976	1 13/32	1 11/16	1/4	45
36	300 OHV F.I. 12 Valve						
300 ci	4.9 L	Bronco, E150, 250, 350, F150, 250, 350	Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1987-97		Exhaust T- 976	1 13/32	1 11/16	1/4	45
37	300 OHV 12 Valve LPG						
300 ci	4.9 L		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
6	1994-96		Exhaust T- 976	1 13/32	1 11/16	1/4	45
			Alt-Exh T- 960	1 3/8	1 11/16	7/32	45

FORD TRUCK

				Part No.	ID	OD	Depth	Ang.
38		302 - Early OHV						
302 ci	5 L	Heavy Duty Truck 700, 750, 800, 850, 900 Series	Intake	T- 318	1 13/16	2 1/8	1/4	45
8	1956-63		Exhaust	T- 1821	1 11/32	1 5/8	5/16	45
39		302 OHV Carb.						
302 ci	5 L	Bronco, E100, 150, 200, 300, 350, F100, 150, 250, 350	Intake	T- 1627	1 5/8	1 7/8	1/4	45
8	1969-85		Exhaust	T- 929	1 5/16	1 9/16	7/32	45
		Alt. Exh. w 1.780 VI. Hd., .250 depth	Alt-Exh	T- 896	1 19/32	1 7/8	1/4	45/R
40		302 OHV LPG, Propane, Natural Gas						
302 ci	5 L		Intake	T- 1627	1 5/8	1 7/8	1/4	45
8	1969-97		Exhaust	T- 929	1 5/16	1 9/16	7/32	45
		Alt. Exh. w 1.780 VI. Hd., .250 depth	Alt-Exh	T- 896	1 19/32	1 7/8	1/4	45/R
41		302 OHV F.I.						
302 ci	5 L	Bronco, E150, 250, 350, F150, 250, 350	Intake	T- 1627	1 5/8	1 7/8	1/4	45
8	1986-01		Alt-Int	T- 1964	1 11/16	1 15/16	3/16	45
		Alt. Exh. w 1.780 VI. Hd., .250 depth	Exhaust	T- 929	1 5/16	1 9/16	7/32	45
			Alt-Exh	T- 896	1 19/32	1 7/8	1/4	45/R
42		330 OHV LPG, Propane, Natural Gas						
330 ci	5.4 L		Intake	T- 1645	1.595	1 13/16	1/4	45
8	1964-78		Alt-Int	T- 1620	1 9/16	1 7/8	1/4	45
		Alt. Int. w 1.753 VI. Hd., .250 depth	Exhaust	T- 1821	1 11/32	1 5/8	5/16	45
		Alt. Exh. w 1.508 VI. Hd., .312 depth	Alt-Exh	T- 1842	1 11/32	1 11/16	5/16	45
43		330 OHV Medium Duty						
330 ci	5.4 L	500, 550, 600, 650 Series	Intake	T- 1645	1.595	1 13/16	1/4	45
8	1964-77		Alt-Int	T- 1620	1 9/16	1 7/8	1/4	45
		Alt. Int. w 1.753 VI. Hd., .250 depth	Exhaust	T- 1821	1 11/32	1 5/8	5/16	45
		Alt. Exh. w 1.508 VI. Hd., .312 depth	Alt-Exh	T- 1842	1 11/32	1 11/16	5/16	45
44		330 OHV Heavy Duty						
330 ci	5.4 L	700, 750, 800, 900 Series	Intake	T- 1645	1.595	1 13/16	1/4	45
8	1964-79		Alt-Int	T- 1620	1 9/16	1 7/8	1/4	45
		Alt. Int. w 1.753 VI. Hd., .250 depth	Exhaust	T- 1821	1 11/32	1 5/8	5/16	45
		Alt. Exh. w 1.508 VI. Hd., .312 depth	Alt-Exh	T- 1842	1 11/32	1 11/16	5/16	45
45		330 SOHC 16 Valve Triton						
330 ci	5.4 L		Intake	T- 896	1 19/32	1 7/8	1/4	45/R
8	1997-11		Exhaust	T- 654	1 1/8	1 3/8	.305	45/R
			Alt-Exh	T- 339	1.203	1 1/2	.280	45/R

FORD TRUCK

		Part No.	ID	OD	Depth	Ang.
46 330 SOHC 16 Valve Triton Supercharged						
330 ci	5.4 L		Intake T- 896	1 19/32	1 7/8	1/4 45/R
8	1999-04		Exhaust T- 654	1 1/8	1 3/8	.305 45/R
			Alt-Exh T- 339	1.203	1 1/2	.280 45/R
47 330 DOHC 32 Valve In Tech						
330 ci	5.4 L		Intake T- 779	1.295	1 1/2	.262 45
8	1999-11		Alt-Int T- 469	1.210	1 1/2	.325 45/R
			Exhaust T- 2365	.976	1.257	.180
48 332 OHV						
332 ci	5.4 L	Medium/Heavy Duty 700, 750, 800, 850, 900 Series	Intake T- 318	1 13/16	2 1/8	1/4 45
8	1956-63		Exhaust T- 1821	1 11/32	1 5/8	5/16 45
		Alt. Exh. w 1.462 VI. Hd., .218 depth	Alt-Exh T- 929	1 5/16	1 9/16	7/32 45
49 351 Lightning 16 Valve						
351 ci	5.8 L		Intake T- 1964	1 11/16	1 15/16	3/16 45
8	1993-95		Exhaust T- 1065	1 3/8	1 5/8	3/16 45
50 351M Modified						
351 ci	5.8 L	Bronco, E100, 150, 250, 300, 350, F100, 150, 250, 350	Intake T- 321	1 7/8	2 1/8	1/4 45
8	1977-84		Exhaust T- 986	1 1/2	1 3/4	7/32 45
		Alt. Exh. w 1.622 VI. Hd., .218 depth	Alt-Exh T- 1513	1 1/2	1 3/4	7/32 45/R
51 351W Windsor w Carb.						
351 ci	5.8 L	Bronco, E100, 150, 250, 300, 350, F100, 150, 250, 350	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1975-97	Int. OEM #151255	Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.460 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
52 351W Windsor w LPG, Propane, Natural Gas						
351 ci	5.8 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1975-97		Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.460 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
53 351W Windsor w F.I.						
351 ci	5.8 L	Bronco, E100, 150, 250, 300, 350, F100, 150, 250, 350	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1988-97	Int. OEM #151255	Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.460 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R

FORD TRUCK

				Part No.	ID	OD	Depth	Ang.
54	352 OHV							
352 ci	5.8 L	F100, 250, 350, P350, 500 Series		Intake T- 355	1 13/16	2 1/16	1/4	45/R
8	1965-67			Exhaust T- 976	1 13/32	1 11/16	1/4	45
55	359 OHV also w LPG, Propane, Natural Gas							
359 ci	5.9 L	600, 650, 700, 750, 800 Series		Intake T- 1617	1 9/16	1 13/16	1/4	45
8	1973-78	Alt. Int. w 1.752 VI. Hd., .250 depth		Alt-Int T- 1620	1 9/16	1 7/8	1/4	45
				Exhaust T- 1821	1 11/32	1 5/8	5/16	45
		Alt. Exh. w 1.505 VI. Hd., .312 depth		Alt-Exh T- 1842	1 11/32	1 11/16	5/16	45
56	360 OHV also w LPG, Propane, Natural Gas							
360 ci	5.9 L	F100, 150, 250, 350, 450, 500 Series		Intake T- 355	1 13/16	2 1/16	1/4	45/R
8	1968-76			Exhaust T- 976	1 13/32	1 11/16	1/4	45
57	361 OHV also w LPG, Propane, Natural Gas							
361 ci	5.9 L	500, 550, 600, 650, 700, 750, 800 Series		Intake T- 1617	1 9/16	1 13/16	1/4	45
8	1964-80	Alt. Int. w 1.752 VI. Hd., .250 depth		Alt-Int T- 1620	1 9/16	1 7/8	1/4	45
				Exhaust T- 1821	1 11/32	1 5/8	5/16	45
		Alt. Exh. w 1.503 VI. Hd., .312 depth		Alt-Exh T- 1842	1 11/32	1 11/16	5/16	45
58	363 32 Valve Turbo Diesel Powerstroke							
363 ci	6 L			Intake T- 225	1 1/8	1 3/8	1/4	45
8	2003-10			Exhaust T- 137	.934	1 3/16	.257	45/R
				Alt-Exh T- 2330	7/8	1 1/4	1/4	---
59	370 OHV 16 Valve also w LPG, Propane, Natural Gas							
370 ci	6.1 L	600, 700, 750, 800, 850, 900 Series		Intake T- 1627	1 5/8	1 7/8	1/4	45
8	1979-92			Exhaust T- 1028	1 3/8	1.671	.311	45
		Alt. Exh. w 1.505 VI. Hd., .312 depth		Alt-Exh T- 1842	1 11/32	1 11/16	5/16	45
60	389 OHV							
389 ci	6.4 L	500, 600, 650, 700, 750, 800 Series		Intake T- 1617	1 9/16	1 13/16	1/4	45
8	1975-78	Alt. Int. w 1.753 VI. Hd., .250 depth		Alt-Int T- 1620	1 9/16	1 7/8	1/4	45
				Exhaust T- 1821	1 11/32	1 5/8	5/16	45
		Alt. Exh. w 1.505 VI. Hd., .312 depth		Alt-Exh T- 1842	1 11/32	1 11/16	5/16	45
61	390 OHV							
390 ci	6.4 L	F100, 150, 250, 350, 450, 500 Series		Intake T- 355	1 13/16	2 1/16	1/4	45/R
8	1968-76			Exhaust T- 976	1 13/32	1 11/16	1/4	45

FORD TRUCK

		Part No.	ID	OD	Depth	Ang.
62 391 OHV also w LPG, Propane, Natural Gas						
391 ci	6.4 L	500, 550, 600, 650, 700, 750, 800 Series Alt. Int. w 1.752 VI. Hd., .250 depth Alt. Exh. w 1.505 VI. Hd., .312 depth	Intake T- 1617	1 9/16	1 13/16	1/4 45
8	1964-78		Alt-Int T- 1620	1 9/16	1 7/8	1/4 45
			Exhaust T- 1821	1 11/32	1 5/8	5/16 45
			Alt-Exh T- 1842	1 11/32	1 11/16	5/16 45
63 400 OHV also w LPG, Propane, Natural Gas						
400 ci	6.6 L	Bronco, E100, 150, 250, 300, 350, F100, 150, 250, 350	Intake T- 321	1 7/8	2 1/8	1/4 45
8	1977-82		Exhaust T- 986	1 1/2	1 3/4	7/32 45
64 401 OHV						
401 ci	6.6 L	750, 800, 850, 880, 900, 1000, 1100 Series Alt. Exh. w 1 13/16 O.D.	Intake T- 2704	1 27/32	2 7/32	5/16 45
8	1958-76		Exhaust T- 1851	1.444	1.746	5/16 45
			Alt-Exh T- 1854	1 7/16	1 13/16	5/16 45
65 401 Diesel & Turbo Diesel Brazil 12 Valve						
401 ci	6.6 L	CF600, 800, 8000 Series	Intake T- 2158	1.595	1.962	.365 30/R
6	1987-94		Exhaust T- 1060	1.457	1.732	.365 45/R
66 415 SOHC 20 Valve Heavy Duty Triton						
415 ci	6.8 L		Intake T- 896	1 19/32	1 7/8	1/4 45/R
10	1997-11		Exhaust T- 654	1 1/8	1 3/8	.305 45/R
			Alt-Exh T- 339	1.203	1 1/2	.280 45/R
67 420 IHC Navistar Diesel 16 Valve						
420 ci	6.9 L	F150, 250, 350 Early Year A & B Thin Wall Casting *Special Two Step O.D. Intake*	Intake T- 1696	1 9/16	1.9565	5/16 30
8	1983-87		Exhaust T- 965	1 3/8	1.669	.272 38
68 420 IHC Navistar Diesel 16 Valve						
420 ci	6.9 L	F150, 250, 350	Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1985-87		Alt-Int T- 1964	1 11/16	1 15/16	3/16 45
			Exhaust T- 965	1 3/8	1.669	.272 38
69 429 OHV Carb.						
429 ci	7 L	600, 700, 750, 800, 880, 900 Series Alt. Exh. w 1.672 VI. Hd., .312 depth	Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1979-91		Exhaust T- 1582	1.476	1.781	.311 45
			Alt-Exh T- 2034	1 15/32	1 13/16	5/16 45

FORD TRUCK

		Part No.	ID	OD	Depth	Ang.
70 429 OHV w F.I.						
429 ci	7 L	600, 700, 750, 800, 880, 900 Series Alt. Exh. w 1.672 VI. Hd., .312 depth	Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1991-98		Alt-Int T- 329	1 13/16	2 1/16	3/16 45
			Exhaust T- 1582	1.476	1.781	.311 45
			Alt-Exh T- 2034	1 15/32	1 13/16	5/16 45
71 429 w LPG, Propane, Natural Gas						
429 ci	7 L	600, 700, 750, 800, 880, 900 Series Alt. Exh. w 1.672 VI. Hd., .312 depth	Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1991-96		Exhaust T- 1582	1.476	1.781	.311 45
			Alt-Exh T- 2034	1 15/32	1 13/16	5/16 45
72 444 Navistar Turbo Diesel Direct Injection						
444 ci	7.3 L	Int. OEM #13GC2264P1	Intake T- 1078	1 7/16	1 11/16	1/4 30
8	1994-05		Exhaust T- 1068	1 7/16	1 3/4	1/4 38
73 7.3 Powerstroke						
444 ci	7.3 L	T44E, Turbo Diesel Navistar	Intake T- 1050	1 7/16	1 11/16	1/4 ---
8	1994-98		Exhaust T- 1068	1 7/16	1 3/4	1/4 38
74 445 Navistar Diesel & Turbo Diesel Ind. Injection						
445 ci	7.3 L	E-250, 350, F-150, 250, 350 *Special Two-Step O.D. Intake* Alt. Int. for indirect injection	Intake T- 1696	1 9/16	1.9565	5/16 30
8	1988-97		Alt-Int T- 1964	1 11/16	1 15/16	3/16 45
			Exhaust T- 965	1 3/8	1.669	.272 38
75 445 OHV Navistar Turbo Dir Inj. Powerstroke						
445 ci	7.3 L	16 Valve Diesel, FI	Intake T- 984	1 7/16	1 3/4	1/4 45
8	1994-03		Exhaust T- 984	1 7/16	1 3/4	1/4 45
76 460 OHV Carb.						
460 ci	7.5 L	E250, 300, 350, F100, 150, 250, 350, 450, 500 Series	Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1973-87		Exhaust T- 986	1 1/2	1 3/4	7/32 45
77 460 OHV F.I., LPG, Propane, Natural Gas						
460 ci	7.5 L	Alt. Int. w 2.083 VI. Hd., .187 depth Alt. Exh. w 1.654 VI. Hd., .312 depth	Intake T- 329	1 13/16	2 1/16	3/16 45
8	1988-97		Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1582	1.476	1.781	.311 45
			Alt-Exh T- 2034	1 15/32	1 13/16	5/16 45

FORD TRUCK

			Part No.	ID	OD	Depth	Ang.
78			473 12 Valve Turbo Diesel Brazil				
473 ci	7.8 L	CF600, 800 Series	Intake T- 2158	1.595	1.962	.365	30/R
6	1987-94		Exhaust T- 1060	1.457	1.732	.365	45/R
79			475 OHV				
475 ci	7.8 L	750, 800, 850, 880, 900, 950, 1000, 1100 Series	Intake T- 2704	1 27/32	2 7/32	5/16	45
8	1958-82		Exhaust T- 1851	1.444	1.746	5/16	45
			Alt. Exhaust T- 1854	1 7/16	1 13/16	5/16	45
80			477 OHV				
477 ci	7.8 L	750, 800, 850, 880, 900, 950, 1000, 1100 Series	Intake T- 2704	1 27/32	2 7/32	5/16	45
8	1958-82		Exhaust T- 1851	1.444	1.746	5/16	45
			Alt. Exhaust T- 1854	1 7/16	1 13/16	5/16	45
81			534 OHV				
534 ci	8.8 L	750, 800, 850, 880, 900, 950, 1000, 1100 Series	Intake T- 2704	1 27/32	2 7/32	5/16	45
8	1958-84		Exhaust T- 1851	1.444	1.746	5/16	45
			Alt. Exhaust T- 1854	1 7/16	1 13/16	5/16	45

GEMINI

			Part No.	ID	OD	Depth	Ang.
1			G-26				
			Intake T- 2846	1 9/16	1 7/8	.402	30
			Exhaust T- 2845	1 3/8	1.700	.402	45
2			G-40				
		Int. OEM #406-2727	Intake T- 2729	1.772	2.0535	.336	30/R
			Exhaust T- 2847	1 9/16	1 7/8	.336	30

GMC - CLEVELAND DIESEL DIVISION

			Part No.	ID	OD	Depth	Ang.
1			268A				
3.8			Exhaust T- 1948	1 11/16	2.074	5/16	45/R
2			278A				
3.16			Exhaust T- 602	2 3/8	2 7/8	3/8	45/R
			Alt-Exh T- 719	2 3/8	2 13/16	5/16	45/R

GMC - ELECTRO-MOTIVE DIVISION

			Part No.	ID	OD	Depth	Ang.
1	EMD567 - Cleveland Diesel						
			Exhaust T- 1331	2 11/64	2.688	5/16	30
2	EMD567D - Up To D Head						
			Exhaust T- 2414	2 3/16	2 1/2	1/4	30
3	EMD567D - D Head						
			Exhaust T- 1360	2 15/64	2.459	.385	30
4	EMD645 - Up To D Head						
			Exhaust T- 1344	2 11/64	2 7/16	1/4	30

GMC - Passenger Car

			Part No.	ID	OD	Depth	Ang.
1	993cc SOHC Suzuki						
61 ci	1 L	Int. OEM #16775,65431	Intake T- 910	1 1/4	1 9/16	5/16	45
3	1985-88		Exhaust T- 1995	1 1/16	1 3/8	5/16	45
2	993cc SOHC Suzuki G10						
61 ci	1 L	6 Valve	Intake T- 675	1.170	1.569	.267	
3	1987-88		Exhaust T- 667	1	1 3/8	9/32	
3	993cc SOHC Suzuki G10 & G10T Turbo						
61 ci	1 L	6 Valve	Intake T- 149	1.175	1 1/2	.236	45/R
3	1989-91		Exhaust T- 137	.934	1 3/16	.257	45/R
4	1325cc SOHC Suzuki G13K						
81 ci	1.3 L	1.3 - 9 Models	Intake T- 675	1.170	1.569	.267	
4	1992-97		Exhaust T- 667	1	1 3/8	9/32	
5	85 SOHC						
85 ci	1.4 L	8 Valve	Intake T- 952	1 3/8	1 5/8	7/32	45
4	1976-77		Exhaust T- 223	1 1/8	1 3/8	7/32	45
			Alt. Exh. w 1.260 VI. Hd., .218 depth	Alt-Exh T- 398	1 1/8	1 3/8	7/32
6	1471cc SOHC Isuzu 4XC1 8 Valve						
92 ci	1.5 L	Type K, 7	Intake T- 531	1 3/16	1 9/16	.305	45/R
4	1985-89		Exhaust T- 191	1.060	1 5/16	.280	45/R

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
7 1471cc SOHC Isuzu 4XC1T - Type 9 Turbo						
92 ci	1.5 L		Intake T- 531	1 3/16	1 9/16	.305 45/R
4	1987-89		Exhaust T- 191	1.060	1 5/16	.280 45/R
8 1587cc SOHC (Korean) Vin Type 6 (L73)						
97 ci	1.6 L		Intake T- 579	1 1/4	1 9/16	.319 45/R
4	1988-93		Exhaust T- 522	1.086	1 5/16	.305 45
9 1587cc DOHC 16 Valve 4A-6, 4AF, 4AFE Toyota						
97 ci	1.6 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1989-97		Exhaust T- 136	.790	1 1/16	.254 45
10 1588cc DOHC 16 Valve 4AGE & 4AGELC Twin Cam Vin						
98 ci	1.6 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1988-92		Exhaust T- 123	.854	1 1/8	.237 45
11 1588cc SOHC 4ALC Toyota Vin Type 4						
98 ci	1.6 L	8 Valve	Intake T- 476	1.220	1 1/2	.315 45/R
4	1985-88		Alt-Int T- 1785	1 1/4	1 1/2	5/16 ---
			Exhaust T- 533	1.044	1 5/16	.273 45
		Alt. Exh. w 1.220 VI. Hd., .280 depth	Alt-Exh T- 191	1.060	1 5/16	.280 45/R
12 1588cc SOHC 12 Valve 4XE1 Isuzu E.F.I. except GSI						
98 ci	1.6 L		Intake T- 137	.934	1 3/16	.257 45/R
4	1990-93		Exhaust T- 385	1.060	1 3/8	.280 45/R
13 1588cc DOHC 16 Valve 4XE1W Isuzu w GSI						
98 ci	1.6 L		Intake T- 362	1.060	1 5/16	.240 45/R
4	1990-91		Exhaust T- 137	.934	1 3/16	.257 45/R
14 1590cc SOHC 8 Valve G16K, G16KC, G16U Suzuki						
97 ci	1.6 L		Intake T- 2560	1 5/16	1 1/2	1/4 45
4	1989-97		Alt-Int T- 779	1.295	1 1/2	.262 45
			Exhaust T- 625	1.102	1 3/8	.260 45
15 1599cc SOHC 8 Valve						
98 ci	1.6 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1976-87		Exhaust T- 223	1 1/8	1 3/8	7/32 45
		Alt. Exh. w 1.260 VI. Hd., .218 depth	Alt-Exh T- 398	1 1/8	1 3/8	7/32 45/R

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
16 1762cc DOHC 16 Valve 7AFE Vin Type 8 Toyota						
110 ci	1.8 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1993-97		Exhaust T- 136	.790	1 1/16	.254 45
17 1809cc DOHC 16 Valve 4XF1 Vin Type 8 Isuzu						
110 ci	1.8 L		Intake T- 362	1.060	1 5/16	.240 45/R
4	1992-93		Exhaust T- 137	.934	1 3/16	.257 45/R
18 1817cc SOHC G180Z Isuzu Gas 72-75						
111 ci	1.8 L		Intake T- 455	1 1/2	1 3/4	.255 45/R
4	1972-75	Alt. Int. w 1.691 VI. Hd., .250 depth	Alt-Int T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 456	1.107	1 3/8	.253 45/R
19 1817cc SOHC G180Z Isuzu Gas 76-79						
111 ci	1.8 L		Intake T- 1983	1.410	1.757	.320 45/R
4	1976-79	Alt. Int. w 1.668 VI. Hd., .280 depth	Alt-Int T- 338	1.323	1 3/4	.280 45/R
		Alt. Exh. w 1.336 VI. Hd., .280 depth	Exhaust T- 194	1.100	1 7/16	.315 45/R
			Alt-Exh T- 339	1.203	1 1/2	.280 45/R
20 1817cc SOHC 4FB1 Isuzu Diesel						
111 ci	1.8 L		Intake T- 877	1.305	1 5/8	.227 45/R
4	1981-86		Exhaust T- 535	1.100	1 7/16	.227 45/R
21 1835cc OHV Vin Type G (Cast Iron Head)						
112 ci	1.8 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1982	Alt. Int. w 1.600 VI. Hd., .218 depth	Alt-Int T- 397	1 3/8	1 11/16	7/32 45/R
			Exhaust T- 370	1 7/32	1 7/16	7/32 45
		Alt. Exh. w 1.390 VI. Hd., .215 depth	Alt-Exh T- 474	1.110	1 7/16	.215 45/R
22 1835cc SOHC Vin Type O & J - Incl. Turbo						
112 ci	1.8 L		Intake T- 519	1.450	1 11/16	.297 45
4	1982-86	Alt. Int. w 1.614 VI. Hd., .312 depth	Alt-Int T- 1991	1 13/32	1 3/4	5/16 45
			Exhaust T- 518	1.200	1 7/16	.297 45
		Alt. Exh. w 1.376 VI. Hd., .304 depth	Alt-Exh T- 383	1.185	1 7/16	.304 45/R
23 1835cc SOHC Vin Type O & J - Incl. Turbo (Alt)						
112 ci	1.8 L	Alt. Int. w 1.615 VI. Hd., .305 depth	Intake T- 349	1.390	1 11/16	.305 45/R
4	1982-86	Alt. Exh. w 1.376 VI. Hd., .315 depth	Exhaust T- 476	1.220	1 1/2	.315 45/R
24 1835cc SOHC Vin Type O & J - Incl. Turbo (Alt)						
112 ci	1.8 L	Alt. Int. w 1.615 VI. Hd., .312 depth	Intake T- 1824	1 7/16	1 3/4	5/16 45
4	1982-86	Alt. Exh. w 1.376 VI. Hd., .312 depth	Exhaust T- 616	1.201	1 1/2	5/16 45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
25 112 SOHC 8 Valve "Brazil"						
112 ci	1.8 L		Intake T- 519	1.450	1 11/16	.297 45
4	1982-86		Alt-Int T- 1991	1 13/32	1 3/4	5/16 45
			Exhaust T- 518	1.200	1 7/16	.297 45
			Alt-Exh T- 616	1.201	1 1/2	5/16 45
26 DOHC LLO Vin Type 7 Saturn 16 Valve						
116 ci	1.9 L		Intake T- 547	1.085	1 3/8	.236 45/R
4	1991-02		Exhaust T- 2349	.890	1.132	.237 45/R
27 SOHC LKO Vin Type 9 Saturn 8 Valve						
116 ci	1.9 L		Intake T- 2976	1 13/32	1 11/16	1/4 45/R
4	1991-02		Exhaust T- 635	1.166	1 7/16	1/4 45/R
28 1994cc OHV Vin Type 1 incl. Turbo						
121 ci	2 L		Intake T- 2031	1 1/2	1 13/16	.278 45/R
4	1987-89		Exhaust T- 354	1.260	1 9/16	.280 45/R
29 121 Vin K & M OHC						
121 ci	2 L		Intake T- 2026	1 7/16	1 13/16	5/16 45/R
4	1987-90		Exhaust T- 1023	1.255	1 1/2	.318 45
30 1994cc OHV Vin Type B & P Incl. Turbo						
121 ci	2 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1983-86		Exhaust T- 370	1 7/32	1 7/16	7/32 45
31 1994cc OHV Vin Type B & P after 1987						
121 ci	2 L		Intake T- 2031	1 1/2	1 13/16	.278 45/R
4	1987-90		Exhaust T- 354	1.260	1 9/16	.280 45/R
32 SOHC Vin Type H Pontiac (Brazil)						
122 ci	2 L	8 Valve	Intake T- 417	1 13/32	1 13/16	.317 45/R
4	1992-94		Exhaust T- 387	1.220	1 1/2	.310 45/R
33 SOHC Vin Type K Pontiac (Brazil)						
122 ci	2 L		Intake T- 417	1 13/32	1 13/16	.317 45/R
4	1987-91		Exhaust T- 476	1.220	1 1/2	.315 45/R
34 SOHC Turbo Vin Type M Pontiac (Brazil)						
122 ci	2 L		Intake T- 417	1 13/32	1 13/16	.317 45/R
4	1987-90		Exhaust T- 476	1.220	1 1/2	.315 45/R
35 OHV Vin Type 4, G Chevrolet						
134 ci	2.2 L	8 Valve	Intake T- 2031	1 1/2	1 13/16	.278 45/R
4	1990-02		Exhaust T- 354	1.260	1 9/16	.280 45/R

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
36 2260cc DOHC Vin Type A 16 Valve Oldsmobile Quad 4						
138 ci	2.3 L		Intake T- 149	1.175	1 1/2	.236 45/R
4	1989-94		Exhaust T- 147	1.042	1 5/16	.238 45
37 2260cc DOHC Vin Type D 16 Valve Olds. Quad 4						
138 ci	2.3 L		Intake T- 288	1 1/4	1 1/2	7/32 45/R
4	1988-95	Alt. Int. w 1.398 VI. Hd., .215 depth	Alt-Int T- 364	1 3/16	1 1/2	.215 45/R
			Exhaust T- 205	1	1 1/4	7/32 45
		Alt. Exh. w 1.182 VI. Hd., .230 depth	Alt-Exh T- 142	.905	1 1/4	.230 45/R
38 140 Corvair						
140 ci	2.3 L		Intake T- 263	1 1/4	1 27/64	1/4 45
6	1960		Exhaust T- 258	1 3/32	1 9/32	1/4 45
39 SOHC 8 Valve Chevrolet Type A, B						
140 ci	2.3 L		Intake T- 987	1 1/2	1 3/4	1/4 45
4	1971-77		Exhaust T- 264	1 1/4	1 7/16	7/32 45
40 145 Corvair						
145 ci	2.4 L		Intake T- 263	1 1/4	1 27/64	1/4 45
6	1961-63		Exhaust T- 258	1 3/32	1 9/32	1/4 45
41 OHV Vin Type 1 Cal. 2,5,9,A,E,F,R,U,V Pontiac						
151 ci	2.5 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1977-93		Exhaust T- 952	1 3/8	1 5/8	7/32 45
			Alt-Exh T- 929	1 5/16	1 9/16	7/32 45
42 OHV Chevrolet						
153 ci	2.5 L	8 Valve	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
4	1962-70		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
43 164 Corvair						
164 ci	2.7 L		Intake T- 263	1 1/4	1 27/64	1/4 45
6	1964-69		Exhaust T- 258	1 3/32	1 9/32	1/4 45
44 2835cc OHV Chevrolet - Carb. & F.I. Alum.						
173 ci	2.8 L		Intake T- 1670	1.640	1 7/8	9/32 45
6	1980-90	Alt. Int. w 1.724 VI. Hd., .275 depth	Alt-Int T- 1026	1.460	1 3/4	.275 45/R
			Exhaust T- 530	1 7/32	1 1/2	9/32 45
		Alt. Exh. w 1.425 VI. Hd., .280 depth	Alt-Exh T- 339	1.203	1 1/2	.280 45/R

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
45 2835cc OHV Chevrolet - Carb. & F.I. Alum. (alt)						
173 ci	2.8 L		Intake T- 1908	1 5/8	1 7/8	9/32 45
6	1980-90	Alt. Int. w 1.724 VI. Hd., .275 depth	Alt-Int T- 1026	1.460	1 3/4	.275 45/R
			Exhaust T- 530	1 7/32	1 1/2	9/32 45
		Alt. Exh. w 1.425 VI. Hd., .280 depth	Alt-Exh T- 339	1.203	1 1/2	.280 45/R
46 2835cc OHV Chevrolet - Carb. & F.I. Cast Iron						
173 ci	2.8 L	(Cast Iron Heads w 1.718 Intake and 1.425 Exhaust Valve Heads)	Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1980-90		Exhaust T- 271	1 1/4	1 1/2	7/32 45
47 2835cc OHV Chevrolet - Carb. & F.I. Cast Iron						
173 ci	2.8 L	(Cast Iron Heads w 1.600 Intake and 1.307 Exhaust Valve Heads)	Intake T- 981	1 7/16	1 11/16	7/32 45
6	1980-90		Exhaust T- 227	1 1/8	1 7/16	7/32 45
48 OHV Buick - Carb. 12 Valve						
181 ci	3 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1982-84		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
49 OHV Buick - F.I. 12 Valve						
181 ci	3 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1985-88		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
50 OHV Vin Type D Chevrolet						
189 ci	3.1 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1990-95	Alt. Int. w 1.718 VI. Hd., .218 depth	Alt-Int T- 1616	1 9/16	1 13/16	7/32 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45
51 OHV 12 Valve Vin J, M						
189 ci	3.1 L		Intake T- 2031	1 1/2	1 13/16	.278 45/R
6	2000-05		Exhaust T- 530	1 7/32	1 1/2	9/32 45
52 OHV Vin Type M, W Chevrolet w Alum. Heads						
189 ci	3.1 L		Intake T- 1026	1.460	1 3/4	.275 45/R
6	1993-99		Exhaust T- 548	1.215	1 1/2	.275 45/R
53 OHV Vin Type T, V-Turbo w cast iron heads						
189 ci	3.1 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1988-94		Exhaust T- 271	1 1/4	1 1/2	7/32 45
		Alt. Exh. w 1.425 VI. Hd., .215 depth	Alt-Exh T- 364	1 3/16	1 1/2	.215 45/R

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
54 OHV Vin Type T, V-Turbo w Alum. Heads						
189 ci	3.1 L		Intake T- 1026	1.460	1 3/4	.275 45/R
6	1989-94		Exhaust T- 548	1.215	1 1/2	.275 45/R
		Alt. Exh. w 1.425 VI. Hd., .280 depth	Alt-Exh T- 339	1.203	1 1/2	.280 45/R
55 OHV Vin Type T, V-Turbo w alum. Heads (Alt)						
189 ci	3.1 L		Intake T- 2049	1.468	1 3/4	.276 45
6	1989-94		Alt-Int T- 1026	1.460	1 3/4	.275 45/R
		Alt. Int. w 1.724 VI. Hd., .275 depth	Exhaust T- 530	1 7/32	1 1/2	9/32 45
		Alt. Exh. w 1.425 VI. Hd., .280 depth	Alt-Exh T- 339	1.203	1 1/2	.280 45/R
56 OHV Chevrolet						
194 ci	3.2 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1962-67		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
57 OHV Buick 12 Valve Type C						
196 ci	3.2 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1978-79		Alt-Int T- 1635	1 1/2	1 13/16	7/32 45/R
		Alt. Int. w 1.710 VI. Hd., .218 depth	Exhaust T- 271	1 1/4	1 1/2	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .250 depth	Alt-Exh T- 990	1 5/16	1 9/16	1/4 45/R
58 OHV Buick						
198 ci	3.2 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6	1962-64		Exhaust T- 222	1 1/8	1 3/8	3/16 45
59 OHV Chevrolet 12 Valve Type M						
200 ci	3.3 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1978-79		Exhaust T- 370	1 7/32	1 7/16	7/32 45
60 OHV Buick 12 Valve						
204 ci	3.3 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1989-93		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
			Alt-Exh T- 246	1 3/16	1 9/16	7/32 45
61 OHV 12 Valve Type E, F, S, 8 (93-95)						
207 ci	3.4 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1993-95		Exhaust T- 271	1 1/4	1 1/2	7/32 45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
62 OHV 12 Valve Type E, F, S, 8 (96-09)						
207 ci	3.4 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6	1996-09		Alt-Int T- 2049	1.468	1 3/4	.276 45
			Exhaust T- 272	1 1/4	1 1/2	1/4 45
			Alt-Exh T- 530	1 7/32	1 1/2	9/32 45
63 DOHC 24 Valve Vin X						
207 ci	3.4 L		Intake T- 530	1 7/32	1 1/2	9/32 45
6	1991-97		Exhaust T- 625	1.102	1 3/8	.260 45
64 OHV 12 Valve Pontiac						
215 ci	3.5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1964-65		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
65 OHV Buick Early						
215 ci	3.5 L		Intake T- 952	1 3/8	1 5/8	7/32 45
8	1961-63		Exhaust T- 370	1 7/32	1 7/16	7/32 45
66 OHV Buick Late						
215 ci	3.5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1964-65		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
67 OHV Chevrolet 12 Valve						
216 ci	3.5 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1937-53		Exhaust T- 929	1 5/16	1 9/16	7/32 45
68 OHV Buick						
225 ci	3.7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1964-67		Exhaust T- 370	1 7/32	1 7/16	7/32 45
			Alt-Exh T- 239	1 3/16	1 7/16	7/32 45
69 OHV Chevrolet 12 Valve						
229 ci	3.8 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
6	1980-84		Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .250 depth	Alt-Exh T- 990	1 5/16	1 9/16	1/4 45/R
70 230 OHC						
230 ci	3.8 L		Intake T- 318	1 13/16	2 1/8	1/4 45
6	1963-70		Exhaust T- 986	1 1/2	1 3/4	7/32 45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
71 OHV Chevrolet 12 Valve						
230 ci	3.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1963-70		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
72 231 VIN #C, #N						
231 ci	3.8 L		Intake T- 2028	1 9/16	1 3/4	7/32 45
6	1988-90		Exhaust T- 929	1 5/16	1 9/16	7/32 45
73 3800cc OHV Vin Type A & 2 Carb.						
231 ci	3.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1979-87		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
		Alt. Exh. w 1.500 VI. Hd., .250 depth	Alt-Exh T- 990	1 5/16	1 9/16	1/4 45/R
74 3800cc OHV Vin Type A & G - Turbo & 2 - (Carb)						
231 ci	3.8 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1975-78		Exhaust T- 271	1 1/4	1 1/2	7/32 45
		Alt. Exh. w 1.425 VI. Hd., .215 depth	Alt-Exh T- 364	1 3/16	1 1/2	.215 45/R
75 3800cc OHV Vin Type C,E,K, & L - F.I. Vin Type 1						
231 ci	3.8 L	Supercharged F.I. (91-97)	Intake T- 986	1 1/2	1 3/4	7/32 45
6	1988-97		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
76 3800cc OHV Vin Type 3 & 8 - 4BBL Turbo						
231 ci	3.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1978-83		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
77 3800cc OHV Vin Type 7 & 9 - F.I. Turbo						
231 ci	3.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1984-87		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
78 OHV Chevrolet 12 Valve						
235 ci	3.9 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
6	1941-62	Alt. Int. w 1.875 VI. Hd., .218 depth	Alt-Int T- 1942	1 11/16	2	7/32 45
			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
		Alt. Exh. w 1.500 VI. Hd., .250 depth	Alt-Exh T- 990	1 5/16	1 9/16	1/4 45/R
79 OHV Chevrolet (incl. LPG, Propane, Nat. Gas)						
250 ci	4.1 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1966-84		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
80 OHV Buick						
252 ci	4.1 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1980-84		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
81 OHV 12 Valve Vin 4						
252 ci	4.1 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1980-84		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
			Alt-Exh T- 990	1 5/16	1 9/16	1/4 45/R
82 OHV Oldsmobile Type 8, F Gas 16 Valve						
260 ci	4.3 L		Intake T- 981	1 7/16	1 11/16	7/32 45
8	1971-82		Exhaust T- 227	1 1/8	1 7/16	7/32 45
83 Oldsmobile Diesel w EGR (Cast Iron Heads)						
260 ci	4.3 L		Intake T- 1673	1 9/16	1 27/32	1/4 30
6	1982-85		Exhaust T- 983	1 7/16	1 3/4	7/32 45
84 Oldsmobile Diesel w EGR (Cast Iron Heads)						
260 ci	4.3 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
6	1982-85		Exhaust T- 983	1 7/16	1 3/4	7/32 45
85 Oldsmobile Diesel (Alum. Heads)						
260 ci	4.3 L		Intake T- 1677	1.674	1 15/16	.276 45/R
6	1982-85		Exhaust T- 2049	1.468	1 3/4	.276 45
86 Oldsmobile Diesel (Alum. Head)						
260 ci	4.3 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
6	1982-85		Exhaust T- 2049	1.468	1 3/4	.276 45
87 Oldsmobile Diesel (Alum. Head)						
260 ci	4.3 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
6	1982-85		Exhaust T- 1026	1.460	1 3/4	.275 45/R
88 OHV V-8 Carb.						
262 ci	4.3 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1975-76		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
89 OHV 12 Valve F.I.						
262 ci	4.3 L		Intake T- 300	1 3/4	2	3/16 45
6	1985-11	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
90 OHV Chevrolet						
265 ci	4.3 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1955-57		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
91 OHV Pontiac 16 Valve						
265 ci	4.3 L		Intake T- 981	1 7/16	1 11/16	7/32 45
8	1980-81		Exhaust T- 370	1 7/32	1 7/16	7/32 45
92 OHV Chevrolet 16 Valve						
267 ci	4.4 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1979-82		Exhaust T- 370	1 7/32	1 7/16	7/32 45
			Alt-Exh T- 239	1 3/16	1 7/16	7/32 45
93 OHV Chevrolet 16 Valve						
283 ci	4.6 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1957-67		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
94 OHV Buick						
300 ci	4.9 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1964-67		Exhaust T- 370	1 7/32	1 7/16	7/32 45
			Alt-Exh T- 239	1 3/16	1 7/16	7/32 45
95 OHV Pontiac 16 Valve, Incl. Turbo						
301 ci	4.9 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
8	1977-81		Exhaust T- 952	1 3/8	1 5/8	7/32 45
96 Chevrolet - Carb.						
305 ci	5 L	Incl. LPG, Propane, Nat. Gas	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1976-87	Alt. Int. w 1.840 VI. Hd., .218 depth	Alt-Int T- 1674	1 11/16	1 15/16	7/32 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
97 OHV Chevrolet 16 Valve						
302 ci	5 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1967-69		Alt-Int T- 324	1 7/8	2 1/8	7/32 45
			Exhaust T- 981	1 7/16	1 11/16	7/32 45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
98 Chevrolet - F.I. 16 Valve						
305 ci	5 L	Incl. LPG, Propane, Nat. Gas	Intake T- 1674	1 11/16	1 15/16	7/32 45
8	1985-93	Alt. Int. w 1.840 VI. Hd., .250 depth	Alt-Int T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
99 Chevrolet - F.I. 16 Valve (Alt)						
305 ci	5 L	incl. LPG, Propane, Nat. Gas	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1985-93	Int. w 1.750 VI. Hd., .218 depth	Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
		Exh. w 1.500 VI. Hd., .218 depth				
100 OHV Chevrolet A						
307 ci	5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1968-73	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
101 OHV 16 Valve Oldsmobile Y						
307 ci	5 L		Intake T- 1620	1 9/16	1 7/8	1/4 45
8	1980-90		Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.502 VI. Hd., .218 depth	Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
102 OHV 16 Valve Vortec						
325 ci	5.3 L		Intake T- 2177	1 3/4	2 1/16	.420 45
8	2005-09		Exhaust T- 577	1.335	1 5/8	.420 45/R
103 OHV Pontiac						
326 ci	5.3 L		Intake T- 301	1 3/4	2	7/32 45
8	1964-67		Exhaust T- 986	1 1/2	1 3/4	7/32 45
104 OHV Chevrolet 16 Valve						
327 ci	5.4 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1962-69		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
105 327 w/2.020 Int. Valve Head						
327 ci	5.4 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1962-72		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
106 OHV Chevrolet High Performance Spl. 16 Valve						
327 ci	5.4 L	Int. w 1.940 VI. Hd., .218 depth	Intake T- 1958	1 13/16	2	7/32 45
8	1962-64	Exh. w 1.500 VI. Hd., .250 depth	Exhaust T- 990	1 5/16	1 9/16	1/4 45/R

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
107 OHV Chevrolet High Performance Spl. 16 Valve						
327 ci	5.4 L	Int. w 2.020 VI. Hd., .218 depth	Intake T- 324	1 7/8	2 1/8	7/32 45
8	1965-69	Exh. w 1.600 VI. Hd., .218 depth	Exhaust T- 981	1 7/16	1 11/16	7/32 45
108 OHV Oldsmobile First & Second Series						
330 ci	5.4 L		Intake T- 301	1 3/4	2	7/32 45
8	1964-67		Exhaust T- 981	1 7/16	1 11/16	7/32 45
		Alt. Exh. w 1.600 VI. Hd., .218 depth	Alt-Exh T- 937	1 5/16	1 11/16	7/32 45
109 OHV Buick						
340 ci	5.6 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
8	1966-67		Exhaust T- 239	1 3/16	1 7/16	7/32 45
110 350 w. 2.020 int. / 1.600 exh. Valve						
350 ci	5.7 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1967-93		Exhaust T- 981	1 7/16	1 11/16	7/32 45
111 OHV Vin B Type 8, Type R						
350 ci	5.7 L	Int. w 1.875 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32 45
8	1968-85	Alt. Int. w 1.995 VI. Hd., .250 depth	Alt-Int T- 321	1 7/8	2 1/8	1/4 45
		Exh. w 1.502 VI. Hd., .250 depth	Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
		Alt. Exh. w 1.562 VI. Hd., .218 depth	Alt-Exh T- 981	1 7/16	1 11/16	7/32 45
112 OHV Vin B Type 8, Type R (Alt)						
350 ci	5.7 L					
8	1968-85	Exh. w 1.624 VI. Hd., .218 depth	Exhaust T- 1519	1 1/2	1 11/16	7/32 45
113 Chevrolet Vin Type L						
350 ci	5.7 L		Intake T- 1958	1 13/16	2	7/32 45
8	1967-82	Alt. Int. w 1.720 VI. Hd., .218 depth	Alt-Int T- 1635	1 1/2	1 13/16	7/32 45/R
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
114 Chevrolet Vin Type L						
350 ci	5.7 L		Intake T- 1958	1 13/16	2	7/32 45
8	1967-82	Alt. Int. w 2.020 VI. Hd.	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
115 Vin Type L High Performance w 1.500 VI. Hd.						
350 ci	5.7 L		Intake T- 324	1 7/8	2 1/8	7/32 45
8	1967-82		Exhaust T- 400	1 7/32	1 1/2	7/32 45/R
116 Vin Type L High Performance w 1.500 VI. Hd. (Alt)						
350 ci	5.7 L		Intake T- 324	1 7/8	2 1/8	7/32 45
8	1967-82		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
117 Vin Type L High Performance w 1.500 VI. Hd. (Alt)						
350 ci	5.7 L	Alt. Exh. Seat for Late Model GM heads w Thin Wall Sections	Intake T- 324	1 7/8	2 1/8	7/32 45
8	1967-82		Exhaust T- 900	1 5/16	1 9/16	3/16 45
118 Vin Type L High Performance w 2.020 VI. Hd.						
350 ci	5.7 L	And Special High Performance	Intake T- 324	1 7/8	2 1/8	7/32 45
8	1967-82		Exhaust T- 981	1 7/16	1 11/16	7/32 45
119 Vin Type M & P (w 1.960 Int & 1.660 Exh Heads)						
350 ci	5.7 L	Int. w 1.960 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32 45
8	1968-77	Exh. w 1.660 VI. Hd., .218 depth	Exhaust T- 986	1 1/2	1 3/4	7/32 45
120 Vin Type M & P (w 2.110 Int & 1.770 Exh Heads)						
350 ci	5.7 L	Int. w 2.110 VI. Hd., .250 depth	Intake T- 321	1 7/8	2 1/8	1/4 45
8	1968-77	Exh. w 1.770 VI. Hhd., .250 depth	Exhaust T- 1617	1 9/16	1 13/16	1/4 45
121 Oldsmobile Vin Type N Diesel						
350 ci	5.7 L		Intake T- 301	1 3/4	2	7/32 45
8	1978-85		Exhaust T- 1628	1 7/16	1 11/16	3/16 45
122 Buick Vin Type X						
350 ci	5.7 L		Intake T- 301	1 3/4	2	7/32 45
8	1975-76		Exhaust T- 952	1 3/8	1 5/8	7/32 45
123 Chevrolet Vin Type 7						
350 ci	5.7 L		Intake T- 1958	1 13/16	2	7/32 45
8	1982-93	Alt. Int. w 2.020 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
124 Chevrolet Vin Type 7 w Vortex Heads						
350 ci	5.7 L	Exh. seat for Vortex Heads	Intake T- 1958	1 13/16	2	7/32 45
8	1982-93		Exhaust T- 935	1 5/16	1 5/8	1/4 45
125 OHV Buick						
364 ci	6 L		Intake T- 301	1 3/4	2	7/32 45
8	1957-61		Exhaust T- 952	1 3/8	1 5/8	7/32 45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
126 OHV Pontiac						
389 ci	6.4 L		Intake T- 301	1 3/4	2	7/32 45
8	1959-66	Alt. Int. w 1.881 VI. Hd., .250 depth	Alt-Int T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
		Alt. Exh. w 1.600 VI. Hd., .218 depth	Alt-Exh T- 981	1 7/16	1 11/16	7/32 45
127 OHV Oldsmobile						
394 ci	6.5 L		Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1959-64		Exhaust T- 981	1 7/16	1 11/16	7/32 45
128 396 w/ Stock Springs						
396 ci	6.5 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1968-70		Exhaust T- 987	1 1/2	1 3/4	1/4 45
129 OHV Chevrolet incl. High Performance w/dual spring						
396 ci	6.5 L	& Special High Performance	Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1965-70		Exhaust T- 1616	1 9/16	1 13/16	7/32 45
130 OHV Chevrolet incl. High Performance (Alt)						
396 ci	6.5 L	Alt. Int. w 1.940 VI. Hd., .250 depth	Intake T- 318	1 13/16	2 1/8	1/4 45
8	1965-70	Exh. Seat for Aluminum Heads Only	Exhaust T- 1507	1 5/8	1 15/16	.238 45/R
131 OHV Oldsmobile 16 Valve						
400 ci	6.6 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1965-69	Alt. Int. w 2.072 VI. Hd., .187 depth	Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
132 OHV Pontiac						
400 ci	6.6 L	Int. w 1.920 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32 45
8	1967-79	Alt. Int. w 1.960 vl. hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
		Exh. w 1.660 VI. Hd., .218 depth	Exhaust T- 986	1 1/2	1 3/4	7/32 45
		Alt. Exh. w 1.770 VI. Hd., .250 depth	Alt-Exh T- 1617	1 9/16	1 13/16	1/4 45
133 400 w/2.110 Int. / 1.770 Exh. Valve						
400 ci	6.6 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1967-79		Exhaust T- 1617	1 9/16	1 13/16	1/4 45
134 OHV Chevrolet - Small Block						
400 ci	6.6 L	Incl. Small Block LPG, Propane, Natural Gas	Intake T- 318	1 13/16	2 1/8	1/4 45
8	1970-76		Alt-Int T- 1609	1 1/2	1 13/16	7/32 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
		Alt. Exh. w 1.600 VI. Hd., .218 depth	Alt-Exh T- 981	1 7/16	1 11/16	7/32 45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
135 Chevrolet Big Block						
400 ci	6.6 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1970-72		Exhaust T- 1616	1 9/16	1 13/16	7/32 45
136 Chevrolet Big Block w / Aluminum Heads						
400 ci	6.6 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1970-72	Exh. seat for Aluminum Heads only	Exhaust T- 1507	1 5/8	1 15/16	.238 45/R
137 OHV Buick						
401 ci	6.6 L		Intake T- 301	1 3/4	2	7/32 45
8	1959-66		Exhaust T- 929	1 5/16	1 9/16	7/32 45
138 OHV Chevrolet Big Block						
402 ci	6.6 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1970-72		Exhaust T- 1616	1 9/16	1 13/16	7/32 45
139 OHV Chevrolet Big Block w / Aluminum Heads						
402 ci	6.6 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1970-72	Exh. seat for Aluminum Heads Only	Exhaust T- 1507	1 5/8	1 15/16	.238 45/R
140 OHV Oldsmobile						
403 ci	6.6 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1977-79		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
141 OHV Oldsmobile 16 Valve						
403 ci	6.6 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1977-79		Alt-Int T- 389	1 13/16	2 1/8	7/32 45
			Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
			Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
142 OHV 16 Valve Vin K						
403 ci	6.6 L		Intake T- 389	1 13/16	2 1/8	7/32 45
8	1977-79		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
143 OHV Chevrolet 16 Valve						
409 ci	6.7 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1961-65		Exhaust T- 1616	1 9/16	1 13/16	7/32 45
144 OHV Pontiac						
421 ci	6.9 L		Intake T- 301	1 3/4	2	7/32 45
8	1963-66		Exhaust T- 986	1 1/2	1 3/4	7/32 45
145 OHV Buick						
425 ci	7 L		Intake T- 301	1 3/4	2	7/32 45
8	1963-66		Exhaust T- 929	1 5/16	1 9/16	7/32 45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.	
146 OHV Oldsmobile 16 Valve							
425 ci	7 L	Alt. Int. w 2.072 VI. Hd., .187 depth	Intake T- 321	1 7/8	2 1/8	1/4	45
8	1965-67		Alt-Int T- 1759	1 15/16	2 1/4	3/16	45
			Exhaust T- 986	1 1/2	1 3/4	7/32	45
147 OHV Chevrolet							
427 ci	7 L	Alt. Exh. w 1.720 VI. Hd., .250 depth	Intake T- 1759	1 15/16	2 1/4	3/16	45
8	1966-69		Exhaust T- 1616	1 9/16	1 13/16	7/32	45
			Alt-Exh T- 1610	1 1/2	1 13/16	1/4	45
148 OHV Chevrolet w / Aluminum Heads							
427 ci	7 L	Performance & Special High Perf.	Intake T- 1759	1 15/16	2 1/4	3/16	45
8	1966-69		Exhaust T- 1507	1 5/8	1 15/16	.238	45/R
149 Chevrolet High Performance & Special High Perf.							
427 ci	7 L	Int. OEM #152511	Intake T- 801	2	2 5/16	1/4	45
8	1966-69		Exhaust T- 301	1 3/4	2	7/32	45
150 OHV Pontiac							
428 ci	7 L	Int. w 2.110 VI. Hd., .250 depth	Intake T- 321	1 7/8	2 1/8	1/4	45
8	1967-69		Exh w 1.775 VI. Hd., .250 depth	Exhaust T- 1617	1 9/16	1 13/16	1/4
151 OHV Pontiac							
428 ci	7 L	Int w 1.960 VI. Hd., .250 depth	Intake T- 318	1 13/16	2 1/8	1/4	45
8	1967-69		Exh w 1.770 VI. Hd., .250 depth	Exhaust T- 1617	1 9/16	1 13/16	1/4
152 OHV Pontiac							
428 ci	7 L	Int. w 1.920 VI. Hd., .218 depth	Intake T- 301	1 3/4	2	7/32	45
8	1967-69		Exh w 1.660 VI. Hd., .218 depth	Exhaust T- 986	1 1/2	1 3/4	7/32
153 OHV Buick							
430 ci	7 L		Intake T- 321	1 7/8	2 1/8	1/4	45
8	1967-69		Exhaust T- 986	1 1/2	1 3/4	7/32	45
154 OHV Chevrolet							
454 ci	7.4 L		Intake T- 536	1 13/16	2 1/8	3/16	45
8	1970-76		Exhaust T- 1616	1 9/16	1 13/16	7/32	45
155 OHV Chevrolet w / Aluminum Heads							
454 ci	7.4 L		Intake T- 1759	1 15/16	2 1/4	3/16	45
8	1970-76		Exhaust T- 1616	1 9/16	1 13/16	7/32	45

GMC - Passenger Car

		Part No.	ID	OD	Depth	Ang.
156 OHV Chevrolet LPG, Propane, Natural Gas						
454 ci	7.4 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1970-76		Exhaust T- 1616	1 9/16	1 13/16	7/32 45
157 Chevrolet High Performance & Special High Perf.						
454 ci	7.4 L	Int. OEM #152511	Intake T- 801	2	2 5/16	1/4 45
8	1970-76		Exhaust T- 1616	1 9/16	1 13/16	7/32 45
158 OHV 16 Valve Vin R, S,T						
455 ci	7.5 L		Intake T- 1790	1 15/16	2 1/8	3/16 45
8	1968-76	Alt. Int. w 1.995 VI. Hd.	Alt-Int T- 324	1 7/8	2 1/8	7/32 45
			Exhaust T- 981	1 7/16	1 11/16	7/32 45
159 OHV Buick 16 Valve Vin Type T						
455 ci	7.5 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1970-76		Exhaust T- 983	1 7/16	1 3/4	7/32 45
		Alt. Exh. w 1.660 VI. Hd.	Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
160 OHV Olds, Vin Type W						
455 ci	7.5 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1968-76	Alt. Int. w 2.072 VI. Hd., .187 depth	Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 986	1 1/2	1 3/4	7/32 45
			Alt-Exh T- 983	1 7/16	1 3/4	7/32 45
161 OHV Vin Type Y Pontiac						
455 ci	7.5 L		Intake T- 321	1 7/8	2 1/8	1/4 45
8	1970-76		Exhaust T- 1617	1 9/16	1 13/16	1/4 45
		Alt. Exh. w 1.660 VI. Hd., .218 depth	Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
162 496 Big Block 8.1						
496 ci	8.1 L		Intake T- 837	2	2 1/4	7/32 45/R

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
1 1817cc SOHC G180Z Isuzu Gas (72-75)						
110 ci	1.8 L		Intake T- 455	1 1/2	1 3/4	.255 45/R
4	1972-75		Exhaust T- 456	1.107	1 3/8	.253 45/R
2 1817cc SOHC G180Z Isuzu Gas (76-79)						
110 ci	1.8 L		Intake T- 457	1.410	1 3/4	.279 45/R
4	1976-79		Exhaust T- 339	1.203	1 1/2	.280 45/R

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
3 1817cc SOHC G180Z Isuzu Gas (80-82)						
110 ci	1.8 L		Intake T- 338	1.323	1 3/4	.280 45/R
4	1980-82	Alt. Int. w 1.691 VI. Hd., .250 depth	Alt-Int T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 339	1.203	1 1/2	.280 45/R
4 1949cc SOHC G-200 Vin Type A Isuzu						
119 ci	1.9 L		Intake T- 338	1.323	1 3/4	.280 45/R
4	1982-85		Exhaust T- 339	1.203	1 1/2	.280 45/R
5 1949cc SOHC G200Z Isuzu - P/U 8 Valve						
119 ci	1.9 L		Intake T- 338	1.323	1 3/4	.280 45/R
4	1982-85		Exhaust T- 339	1.203	1 1/2	.280 45/R
6 1994cc OHV Vin Type Y Chevrolet Truck						
122 ci	2 L		Intake T- 341	1.335	1 5/8	.240 45/R
4	1983-84		Exhaust T- 342	1.100	1 7/16	.240 45/R
7 DOHC 16 Valve Type P, X Ecotec						
122 ci	2 L	Int. OEM #164763B	Intake T- 228	1 1/8	1 7/16	1/4 45
4	2004-11		Exhaust T- 470	.965	1 1/4	1/4 45/R
8 134 Vin 4, 5, H Incl. "Flex-fuel"						
134 ci	2.2 L		Intake T- 2031	1 1/2	1 13/16	.278 45/R
4	1994-03		Exhaust T- 354	1.260	1 9/16	.280 45/R
9 DOHC 16 Valve Type 2, 6, B, D, F, H, Ecotec						
134 ci	2.2 L	Int. OEM #164763B	Intake T- 228	1 1/8	1 7/16	1/4 45
4	2000-11		Exhaust T- 470	.965	1 1/4	1/4 45/R
10 2238cc SOHC Isuzu Diesel						
136 ci	2.2 L		Intake T- 341	1.335	1 5/8	.240 45/R
4	1981-84		Exhaust T- 342	1.100	1 7/16	.240 45/R
11 138 SOHC 8 Valve Type 3						
138 ci	2.3 L		Intake T- 149	1.175	1 1/2	.236 45/R
4	1992-94		Exhaust T- 147	1.042	1 5/16	.238 45
12 DOHC 16 Valve Type 5, B, P Ecotec						
145 ci	2.4 L	Int. OEM #164763B	Intake T- 228	1 1/8	1 7/16	1/4 45
4	2006-11		Exhaust T- 470	.965	1 1/4	1/4 45/R
13 DOHC 16 Valve Quad Vin T						
146 ci	2.4 L					
4	1996-02		Exhaust T- 470	.965	1 1/4	1/4 45/R

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
14 151 OHV 8 Valve Pontiac A						
151 ci	2.5 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1985-93		Exhaust T- 952	1 3/8	1 5/8	7/32 45
15 151 OHV 8 Valve Pontiac E						
151 ci	2.5 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1985-92		Exhaust T- 952	1 3/8	1 5/8	7/32 45
16 153 OHV Chevrolet						
153 ci	2.5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
4	1963-65		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
17 2835cc OHV Chevrolet w / Aluminum Head						
173 ci	2.8 L		Intake T- 1908	1 5/8	1 7/8	9/32 45
6	1980-89		Exhaust T- 530	1 7/32	1 1/2	9/32 45
18 2835cc OHV Chevrolet - Carb.						
173 ci	2.8 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1982-85		Exhaust T- 249	1 13/64	1 7/16	7/32 30/R
		Alt. Exh. w 1.307 VI. Hd., .218 depth	Alt-Exh T- 239	1 3/16	1 7/16	7/32 45
19 2835cc OHV Chevrolet - F.I.						
173 ci	2.8 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1986-93		Exhaust T- 271	1 1/4	1 1/2	7/32 45
20 OHV Vin Type D Chevrolet						
189 ci	3.1 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1990-95	Alt. Int. w 1.718 VI. Hd., .218 depth	Alt-Int T- 1616	1 9/16	1 13/16	7/32 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45
21 OHV 12 Valve Chevrolet						
194 ci	3.2 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1963-67		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
22 OHV Chevrolet						
200 ci	3.3 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1978-79		Exhaust T- 249	1 13/64	1 7/16	7/32 30/R
23 200 Caballero 12 Valve						
200 ci	3.3 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1978-79		Exhaust T- 370	1 7/32	1 7/16	7/32 45

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
24	216 12 Valve OHV Chevrolet					
216 ci	3.5 L	Alt. Exh. w 1.500 VI. Hd., .218 depth	Intake T- 981	1 7/16	1 11/16	7/32 45
6	1937-53		Exhaust T- 929	1 5/16	1 9/16	7/32 45
			Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
25	229 12 Valve OHV Chevrolet					
229 ci	3.8 L	Alt. Exh. w 1.500 VI. Hd., .218 depth	Intake T- 1633	1 11/16	1 15/16	1/4 45
6	1980-84		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
			Alt-Exh T- 929	1 5/16	1 9/16	7/32 45
26	230 12 Valve OHV Chevrolet					
230 ci	3.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1963-69		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
27	231 OHV Buick					
231 ci	3.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1979-87		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
28	231 Caballero & El Camino 12 Valve					
231 ci	3.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1979-88		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
29	231 12 Valve Buick Vin L					
231 ci	3.8 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1992-95		Exhaust T- 929	1 5/16	1 9/16	7/32 45
30	231 12 Valve OHV Buick Vin L					
231 ci	3.8 L	Alt. Exh. w 1.490 VI. Hd., .218 depth	Intake T- 986	1 1/2	1 3/4	7/32 45
6	1992-95		Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
			Alt-Exh T- 246	1 3/16	1 9/16	7/32 45
31	235 12 Valve OHV Chevrolet					
235 ci	3.9 L	Alternate Intake	Intake T- 1674	1 11/16	1 15/16	7/32 45
6	1941-62		Alt-Int T- 1942	1 11/16	2	7/32 45
			Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
32	239 12 Valve Turbo Diesel Cummins					
239 ci	3.9 L	Int. OEM #3925177, 3906854	Intake T- 1700	1 1/2	1.853	.273 30/R
4	1989-91	Exh. OEM #3925176	Exhaust T- 1171	1.357	1.722	.265 45/R

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
33	250 12 V OHV Chevrolet incl. LPG, Propane, Nat Gas					
250 ci	4.1 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1966-84		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
34	OHV Chevrolet					
261 ci	4.3 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
6	1954-62		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
35	262 12 Valve OHV Chevrolet					
262 ci	4.3 L		Intake T- 318	1 13/16	2 1/8	1/4 45
6	1985-97		Exhaust T- 929	1 5/16	1 9/16	7/32 45
36	OHV Chevrolet Vin Type W - High Output "Vortec"					
262 ci	4.3 L		Intake T- 300	1 3/4	2	3/16 45
6	1992-09		Exhaust T- 929	1 5/16	1 9/16	7/32 45
37	OHV Chevrolet Vin Type Z - Turbo					
262 ci	4.3 L		Intake T- 318	1 13/16	2 1/8	1/4 45
6	1991-93		Exhaust T- 929	1 5/16	1 9/16	7/32 45
38	265 OHV Chevrolet 16 Valve					
265 ci	4.3 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1955-57		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
39	OHV Chevrolet 16 Valve					
267 ci	4.4 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1979-82		Exhaust T- 249	1 13/64	1 7/16	7/32 30/R
			Alt-Exh T- 370	1 7/32	1 7/16	7/32 45
40	267 Caballero					
267 ci	4.4 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1979-81		Exhaust T- 370	1 7/32	1 7/16	7/32 45
41	283 OHV Chevrolet 16 Valve					
283 ci	4.6 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1957-67		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
42	OHV Chevrolet incl. LPG, Propane, Natural Gas					
292 ci	4.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6	1963-89		Exhaust T- 929	1 5/16	1 9/16	7/32 45
43	OHV 16 Valve "Vortec"					
294 ci	4.8 L		Intake T- 2177	1 3/4	2 1/16	.420 45
8	1999-09		Exhaust T- 577	1.335	1 5/8	.420 45/R

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
44	OHV Chevrolet - Carb. incl. LPG, Propane, Nat. Gas					
305 ci	5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1976-80		Exhaust T- 929	1 5/16	1 9/16	7/32 45
45	OHV Chevrolet - Carb. incl. LPG, Propane, Nat. Gas					
305 ci	5 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
8	1981-88		Exhaust T- 929	1 5/16	1 9/16	7/32 45
46	OHV Chevrolet - Carb. (Alt)					
305 ci	5 L	Alt. Int. w 1.875 VI. Hd., .250 depth	Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1981-88		Exhaust T- 929	1 5/16	1 9/16	7/32 45
47	OHV Chevrolet - F.I. incl. LPG, Propane, Nat. Gas					
305 ci	5 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
8	1989-02		Exhaust T- 929	1 5/16	1 9/16	7/32 45
48	OHV GMC Type V					
305 ci	5 L		Intake T- 355	1 13/16	2 1/16	1/4 45/R
8	1960-74		Exhaust T- 981	1 7/16	1 11/16	7/32 45
49	OHV Chevrolet/GMC Vin Type A					
307 ci	5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1968-76	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
50	OHV 16 Valve "Vortec"					
323 ci	5.3 L	Electric/Gas, Flex, FI	Intake T- 2177	1 3/4	2 1/16	.420 45
8	1999-09		Exhaust T- 577	1.335	1 5/8	.420 45/R
51	327 OHV Chevrolet					
327 ci	5.3 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1962-69	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 990	1 5/16	1 9/16	1/4 45/R
52	346 OHV 16 Valve Vin G "LS1"					
346 ci	5.7 L		Intake T- 2240	1 3/4	2 1/16	.390 45
8	1997-04		Exhaust T- 577	1.335	1 5/8	.420 45/R
53	350					
350 ci	5.7 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1969-92		Exhaust T- 929	1 5/16	1 9/16	7/32 45

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
54 350 LPG, FI Vin W						
350 ci	5.7 L	Alt. Int. w 1.940 VI. Hd., .218 depth	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1969-95		Alt-Int T- 1958	1 13/16	2	7/32 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
55 350N Diesel						
350 ci	5.7 L		Intake T- 301	1 3/4	2	7/32 45
8	1978-81		Exhaust T- 1628	1 7/16	1 11/16	3/16 45
56 OHV Chevrolet Vin Type L, M - Carb.						
350 ci	5.7 L	Alt. Int. w 1.940 VI. Hd., .250 depth	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1969-88		Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
57 OHV Chevrolet Vin Type L, M - Carb. (Alt)						
350 ci	5.7 L	Alt. Int. w 1.940 VI. Hd., .218 depth	Intake T- 1958	1 13/16	2	7/32 45
8	1969-88		Exhaust T- 929	1 5/16	1 9/16	7/32 45
58 OHV Chevrolet Vin Type K - F.I.						
350 ci	5.7 L	incl. LPG, Propane, Nat. Gas	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1989-97	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
59 OHV Chevrolet Vin Type K - F.I. (Alt)						
350 ci	5.7 L	Alt. Int. w 1.940 VI. Hd., .218 depth	Intake T- 1958	1 13/16	2	7/32 45
8	1989-97		Exhaust T- 929	1 5/16	1 9/16	7/32 45
60 OHV Chevrolet Vin Type K - F.I. (Alt)						
350 ci	5.7 L	Exh. valve seat for Vortex Heads	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8	1989-97		Exhaust T- 935	1 5/16	1 5/8	1/4 45
61 OHV Oldsmobile Vin Type N Diesel						
350 ci	5.7 L		Intake T- 301	1 3/4	2	7/32 45
8	1978-84		Exhaust T- 1628	1 7/16	1 11/16	3/16 45
62 OHV Chevrolet/GMC Vin Type E, M						
351 ci	5.8 L		Intake T- 848	2	2 3/8	3/16 45
6	1966-69		Exhaust T- 2159	1.718	2.009	.345

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.	
63	351						
351 ci	5.8 L		Intake T- 803	2	2 3/8	3/16	30
6	1966-69		Exhaust T- 1953	1 23/32	2	11/32	45
64	351C OHV Chevrolet / GMC 12 Valve						
351 ci	5.8 L		Intake T- 1755	1 7/8	2 1/4	9/32	45
6	1960-72		Exhaust T- 1951	1 21/32	1.954	11/32	45
65	351E 12 valve						
351 ci	5.8 L		Intake T- 803	2	2 3/8	3/16	30
6	1966-69		Exhaust T- 1953	1 23/32	2	11/32	45
66	351M 12 Valve						
351 ci	5.8 L		Intake T- 803	2	2 3/8	3/16	30
6	1966-69		Exhaust T- 1953	1 23/32	2	11/32	45
67	364 OHV 16 Valve "Vortec"						
364 ci	6 L		Intake T- 2240	1 3/4	2 1/16	.390	45
8	1999-09		Exhaust T- 577	1.335	1 5/8	.420	45/R
68	OHV Chevrolet/GMC Vin Type E Gas						
366 ci	6 L	incl. LPG, Propane, Nat. Gas	Intake T- 1674	1 11/16	1 15/16	7/32	45
8	1966-98		Exhaust T- 986	1 1/2	1 3/4	7/32	45
69	366 Vin E w 1.840 int. vl. hd.						
366 ci	6 L		Intake T- 1674	1 11/16	1 15/16	7/32	45
8	1966-83		Exhaust T- 986	1 1/2	1 3/4	7/32	45
70	366 Vin E w 1.940 int. vl. hd.						
366 ci	6 L	Int. OEM #B5761	Intake T- 305	1 3/4	2 1/8	7/32	45
8	1966-83		Exhaust T- 986	1 1/2	1 3/4	7/32	45
71	OHV Chevrolet/GMC Vin Type L Gas						
366 ci	6 L	incl. LPG, Propane, Natural Gas Int. OEM #B5761	Intake T- 305	1 3/4	2 1/8	7/32	45
8	1985-95		Exhaust T- 986	1 1/2	1 3/4	7/32	45
		Alternate Exhaust	Alt-Exh T- 2034	1 15/32	1 13/16	5/16	45
72	366 Vin L						
366 ci	6 L	Int. OEM #B5761	Intake T- 305	1 3/4	2 1/8	7/32	45
8	1984-98		Exhaust T- 986	1 1/2	1 3/4	7/32	45
73	379 GAS OHV GMC HD 12 Valve						
379 ci	6.2 L		Intake T- 1755	1 7/8	2 1/4	9/32	45
6	1973-75		Exhaust T- 1953	1 23/32	2	11/32	45

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
74 379 OHV Diesel, FI, 16 Valve						
379 ci	6.2 L	Int. w 1.811 VI. Hd.	Intake T- 1964	1 11/16	1 15/16	3/16 45
8	1982-93	Exh. w 1.535 VI. Hd.	Exhaust T- 900	1 5/16	1 9/16	3/16 45
75 6211cc Chevrolet Truck Vin Type C, J Diesel						
381 ci	6.2 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
8	1982-94	Alt. Int. w 1.811 VI. Hd., .188 depth	Alt-Int T- 1964	1 11/16	1 15/16	3/16 45
			Exhaust T- 900	1 5/16	1 9/16	3/16 45
		Alt. Exh. w 1.653 VI. Hd., .156 depth	Alt-Exh T- 1623	1 7/16	1 11/16	5/32 45
76 381 Diesel, C & J Series						
381 ci	6.2 L		Intake T- 1969	1 3/4	2	5/32 45
8	1982-86		Exhaust T- 1623	1 7/16	1 11/16	5/32 45
77 381 Diesel , C Series w 1.500 Exh. Valve						
381 ci	6.2 L		Intake T- 1673	1 9/16	1 27/32	1/4 30
8	1982-86		Exhaust T- 900	1 5/16	1 9/16	3/16 45
78 6.2 / 6.5 G M (Two Step Insert)						
		special two step O.D. Intake & Exhaust	Intake S- 1628	1.617	2.1005	.375 45/R
			Exhaust S- 933	1.290	1.7835	.375 45/R
79 Chevrolet/GMC Truck Vin Type F, S Turbo Diesel						
395 ci	6.5 L		Intake T- 1964	1 11/16	1 15/16	3/16 45
8	1992-04		Exhaust T- 900	1 5/16	1 9/16	3/16 45
80 Chevrolet/GMC Truck Vin Type P, Y Diesel						
395 ci	6.5 L		Intake T- 1964	1 11/16	1 15/16	3/16 45
8	1992-04		Exhaust T- 900	1 5/16	1 9/16	3/16 45
81 396 / 400 / 402 Big Block 16 Valve						
396 ci	6.5 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1965-72		Exhaust T- 1616	1 9/16	1 13/16	7/32 45
82 OHV Chevrolet Big Block						
396 ci	6.5 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1966-70	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 1616	1 9/16	1 13/16	7/32 45
83 Special High Performance						
396 ci	6.5 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1965-69		Exhaust T- 1674	1 11/16	1 15/16	7/32 45

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
84 OHV Chevrolet Small Block						
400 ci	6.6 L	Incl. LPG, Propane, Natural Gas	Intake T- 318	1 13/16	2 1/8	1/4 45
8	1970-80	Alt. Int. w 1.720 VI. Hd., .218 depth	Alt-Int T- 1635	1 1/2	1 13/16	7/32 45/R
			Exhaust T- 929	1 5/16	1 9/16	7/32 45
85 OHV Chevrolet Big Block						
400 ci	6.6 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1970-72	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 1616	1 9/16	1 13/16	7/32 45
86 OHV MD GMC Truck						
401 ci	6.6 L		Intake T- 1755	1 7/8	2 1/4	9/32 45
6	1960-65		Exhaust T- 1951	1 21/32	1.954	11/32 45
87 OHV Type M, MD & HD GMC Truck						
401 ci	6.6 L		Intake T- 803	2	2 3/8	3/16 30
6	1966-73		Exhaust T- 1953	1 23/32	2	11/32 45
88 401M						
401 ci	6.6 L		Intake T- 848	2	2 3/8	3/16 45
6	1960-65		Exhaust T- 1953	1 23/32	2	11/32 45
89 OHV Chevrolet Big Block						
402 ci	6.6 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1970-72	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 318	1 13/16	2 1/8	1/4 45
			Exhaust T- 1616	1 9/16	1 13/16	7/32 45
90 OHV Chevrolet MD & HD Truck						
427 ci	7 L	incl. LPG, Propane, Nat. Gas	Intake T- 1674	1 11/16	1 15/16	7/32 45
8	1968-95	Alt. Int. w 1.940 VI. Hd., .250 depth	Alt-Int T- 316	1 13/16	2 1/16	1/4 45
		Alt. Int. OEM #117157	Exhaust T- 986	1 1/2	1 3/4	7/32 45
91 OHV Type M, MD, & HD Truck						
432 ci	7.1 L		Intake T- 803	2	2 3/8	3/16 30
6	1973-74		Exhaust T- 1953	1 23/32	2	11/32 45

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
92 OHV Chevrolet MD Mark IV & V Truck						
454 ci	7.4 L		Intake T- 301	1 3/4	2	7/32 45
8	1991-93		Exhaust H- 647	1 13/32	1 25/32	.288 45/R
			Alt-Exh H- 771	1 7/16	1.784	.288 45/R
93 OHV Chevrolet LD Truck - Carb. & F.I.						
454 ci	7.4 L	incl. LPG, Propane, Nat. Gas	Intake T- 536	1 13/16	2 1/8	3/16 45
8	1971-96	Alt. Int. w 1.840 VI. Hd., .218 depth	Alt-Int T- 301	1 3/4	2	7/32 45
			Exhaust T- 1616	1 9/16	1 13/16	7/32 45
94 OHV Chevrolet 50-60-70 Series MD & HD Truck						
454 ci	7.4 L		Intake T- 301	1 3/4	2	7/32 45
8	1979-81		Exhaust T- 1610	1 1/2	1 13/16	1/4 45
95 OHV GMC MD & HD Truck DH478 Series Diesel						
478 ci	7.8 L		Intake T- 803	2	2 3/8	3/16 30
6	1961-74		Exhaust T- 1951	1 21/32	1.954	11/32 45
96 OHV GMC MD & HD Truck Type M Gas						
478 ci	7.8 L		Intake T- 803	2	2 3/8	3/16 30
6	1966-74		Exhaust T- 1953	1 23/32	2	11/32 45
97 OHV GMC MD & HD Truck Gas						
478 ci	7.8 L		Intake T- 1755	1 7/8	2 1/4	9/32 45
6	1962-65		Exhaust T- 1951	1 21/32	1.954	11/32 45
98 OHV, Gas, FI, 16 Valve "Vortec"						
496 ci	8.1 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	2001-07		Exhaust H- 647	1 13/32	1 25/32	.288 45/R
			Alt-Exh H- 771	1 7/16	1.784	.288 45/R
99 GMC HD Truck Gas 16 Valve						
637 ci	10.4 L		Intake T- 1755	1 7/8	2 1/4	9/32 45
8	1966-73		Exhaust T- 1951	1 21/32	1.954	11/32 45
100 GMC HD Truck DH 637 Series Diesel						
637 ci	10.4 L		Intake T- 1320	2 1/8	2 1/2	5/16 45
8	1966-73		Exhaust T- 1951	1 21/32	1.954	11/32 45

GMC - TRUCK DIVISION

		Part No.	ID	OD	Depth	Ang.
101	GMC HD Truck 24 Valve					
702 ci	11.6 L					
12	1960-65	Intake T- 1755	1 7/8	2 1/4	9/32	45
		Exhaust T- 1951	1 21/32	1.954	11/32	45

HARLEY DAVIDSON MOTORCYCLE

		Part No.	ID	OD	Depth	Ang.
1	900cc					
900 cc	0.9 L					
2	1957-85	Intake T- 1965	1 11/16	2	9/32	30
		Exhaust T- 984	1 7/16	1 3/4	1/4	45
2	Knucklehead					
	53.9 cid					
2	1936-47	Intake T- 1620	1 9/16	1 7/8	1/4	45
		Exhaust T- 1620	1 9/16	1 7/8	1/4	45
3	Evolution					
		Intake T- 2064	1 21/32	1.953	7/16	45
		Exhaust T- 2065	1 13/32	1.718	7/16	45
4	Evolution XL V2					
55 ci	0.9 L	883cc				
2	1986-94	Intake T- 1151	1.437	1.855	.394	45
		Exhaust T- 1853	1 3/16	1 5/8	3/8	45
5	Evolution XL V2 - Standard O.E. Size					
67 ci	1.1 L	1100cc				
2	1986	Intake T- 2143	1.656	1.958	.438	45
		Alt-Int T- 2871	1.535	1.974	.413	45
		Exhaust T- 2873	1.406	1.723	.438	45
		Alt-Exh T- 2144	1.358	1.777	.394	45
6	Evolution XL V2 - Alt. Oversize Repair seat					
67 ci	1.1 L	1100cc				
2	1987-94	Intake T- 1151	1.437	1.855	.394	45
		Exhaust T- 1853	1 3/16	1 5/8	3/8	45
7	Evolution XL V2 - Alt. Oversize Repair seat					
74 ci	1.2 L	1200cc				
2	1987-97	Intake T- 1151	1.437	1.855	.394	45
		Exhaust T- 1853	1 3/16	1 5/8	3/8	45
8	Evolution Big Twin V2 - Standard O.E. Size					
80 ci	1.3 L	1340cc				
2	1984-97	Intake T- 2143	1.656	1.958	.438	45
		Alt-Int T- 2871	1.535	1.974	.413	45
		Exhaust T- 2873	1.406	1.723	.438	45
		Alt-Exh T- 2144	1.358	1.777	.394	45

HARLEY DAVIDSON MOTORCYCLE

			Part No.	ID	OD	Depth	Ang.
9 Ironhead							
			Intake T- 2062	1 11/16	2 1/16	5/16	45
			Exhaust T- 1976	1 7/16	1.880	5/16	45
10 900cc Sportster Ironhead Std. O. E. Size							
55 ci	0.9 L		Intake T- 1965	1 11/16	2	9/32	30
2	1957-85		Alt-Int T- 1947	1 11/16	2 1/16	5/16	30
			Exhaust T- 984	1 7/16	1 3/4	1/4	45
			Alt-Exh T- 1156	1.437	1.885	.313	45
11 1000 XL Sportster Ironhead - Standard O.E. Size							
61 ci	1 L	1000cc	Intake T- 1946	1 11/16	2 1/16	9/32	45
2	1957-85		Exhaust T- 984	1 7/16	1 3/4	1/4	45
Alt. Exh. w 1.565 VI. Hd., .313 depth			Alt-Exh T- 1156	1.437	1.885	.313	45
12 Shovelhead							
1966-84			Intake T- 2061	1.800	2.135	.367	45
Alternate Intake & Exhaust			Alt-Int T- 2596	1 13/16	2.135	7/16	45
			Exhaust T- 1679	1.590	1.942	.367	45
			Alt-Exh T- 2097	1 19/32	1.947	7/16	45
13 Shovelhead - Standard O.E. Size							
74 ci	1.2 L	1200cc	Intake T- 2725	1.798	2.139	.367	45
2	1966-84	Intake O.E. #1805666B	Alt-Int T- 2609	1.732	2.170	.433	45
Exhaust O.E. #1805566B			Exhaust T- 2145	1.585	1.946	.367	45
			Alt-Exh T- 2871	1.535	1.974	.413	45
14 Shovelhead - Alt. Oversize							
74 ci	1.2 L	1200cc	Intake T- 2607	1.813	2.140	.438	45
2	1966-84		Exhaust T- 2608	1.594	1.952	.438	45
15 Shovelhead - Standard O.E. Size							
80 ci	1.3 L	1340cc	Intake T- 2725	1.798	2.139	.367	45
2	1966-84	Int. O.E. #1805666B	Alt-Int T- 2609	1.732	2.170	.433	45
Exh. O.E. #1805566B			Exhaust T- 2145	1.585	1.946	.367	45
			Alt-Exh T- 2871	1.535	1.974	.413	45
16 Shovelhead - Alt. Oversize							
80 ci	1.3 L	1340cc	Intake T- 2607	1.813	2.140	.438	45
2	1966-84		Exhaust T- 2608	1.594	1.952	.438	45

HARLEY DAVIDSON MOTORCYCLE

			Part No.	ID	OD	Depth	Ang.
17 Panhead							
			Intake T- 2066	1.600	1.882	7/16	45
			Exhaust T- 2066	1.600	1.882	7/16	45
18 Panhead - Standard O.E. Size							
61 ci	1 L	1000cc	Intake T- 1157	1.600	1.887	.438	45
2	1948-65	Alt. Int. & Exh. Oversized after cutting counterbore	Alt-Int T- 2872	1.625	2.073	.400	45
			Exhaust T- 1157	1.600	1.887	.438	45
			Alt-Exh T- 2872	1.625	2.073	.400	45
19 Panhead - Alt. Oversize							
61 ci	1 L	1000cc	Intake T- 2871	1.535	1.974	.413	45
2	1948-65		Exhaust T- 2871	1.535	1.974	.413	45
20 Panhead - Standard O.E. Size							
74 ci	1.2 L	1200cc	Intake T- 1157	1.600	1.887	.438	45
2	1948-65	Alt. Oversized Int. & Exh. after cutting counterbore	Alt-Int T- 2872	1.625	2.073	.400	45
			Exhaust T- 1157	1.600	1.887	.438	45
			Alt-Exh T- 2872	1.625	2.073	.400	45
21 Panhead - Alt. Oversize							
74 ci	1.2 L	1200cc	Intake T- 2871	1.535	1.974	.413	45
2	1948-65		Exhaust T- 2871	1.535	1.974	.413	45
22 Panhead							
			Intake T- 1151	1.437	1.855	.394	45
2	1986-94		Exhaust T- 1853	1 3/16	1 5/8	3/8	45

HERCULES

			Part No.	ID	OD	Depth	Ang.
1 BX							
61 ci	1 L		Intake T- 222	1 1/8	1 3/8	3/16	45
4	1934-68		Exhaust T- 115	7/8	1 1/8	7/32	45
2 BXB							
			Intake T- 222	1 1/8	1 3/8	3/16	45
4	1935-58		Exhaust T- 115	7/8	1 1/8	7/32	45
3 D1700, G1700, DD169, GO169, GO169H							
169 ci	2.8 L	Gas & Diesel	Intake T- 1602	1 7/16	1 13/16	1/4	45
3	1956-73		Exhaust T- 911	1 1/4	1 5/8	7/32	45

HERCULES

			Part No.	ID	OD	Depth	Ang.
4			D426				
6	1960-62		Intake T- 1726	1 11/16	2 1/8	9/32	45
			Exhaust T- 911	1 1/4	1 5/8	7/32	45
5			D4800, D4800T				
6	1970-73		Intake T- 334	1 3/4	2 1/16	11/32	45
			Exhaust T- 1643	1 9/16	1 13/16	5/16	45
6			DD130, GO130				
130 ci	2.1 L	Gas & Diesel	Intake T- 1602	1 7/16	1 13/16	1/4	45
6	1956-63	Alternate Intake & Exhaust	Alt-Int T- 984	1 7/16	1 3/4	1/4	45
			Exhaust T- 911	1 1/4	1 5/8	7/32	45
			Alt-Exh T- 929	1 5/16	1 9/16	7/32	45
7			DD149, GO149, GO149H, D1500, G1500				
149 ci	2.4 L	Gas & Diesel	Intake T- 1602	1 7/16	1 13/16	1/4	45
3	1956-73		Exhaust T- 911	1 1/4	1 5/8	7/32	45
8			DD173, GO173 Gas & Diesel				
173 ci	2.8 L	Alternate Intake & Exhaust	Intake T- 1602	1 7/16	1 13/16	1/4	45
3	1956-73		Alt-Int T- 984	1 7/16	1 3/4	1/4	45
			Exhaust T- 911	1 1/4	1 5/8	7/32	45
			Alt-Exh T- 929	1 5/16	1 9/16	7/32	45
9			DD173, GO173 Gas & Diesel (Alt)				
173 ci	2.8 L	Alt. Int. w .218 depth	Intake T- 983	1 7/16	1 3/4	7/32	45
4	1956-73		Exhaust T- 911	1 1/4	1 5/8	7/32	45
10			DD260, GO260				
260 ci	4.3 L	Alternate Intake	Intake T- 1602	1 7/16	1 13/16	1/4	45
6			Alt-Int T- 983	1 7/16	1 3/4	7/32	45
			Exhaust T- 911	1 1/4	1 5/8	7/32	45
11			DD298, DJXC, D3000, DH3000				
298 ci	4.9 L		Intake T- 1602	1 7/16	1 13/16	1/4	45
6			Exhaust T- 911	1 1/4	1 5/8	7/32	45
12			DD339, DJXD, G339, G339H, GO339, D3400, G3400				
339 ci	5.6 L		Intake T- 1602	1 7/16	1 13/16	1/4	45
6	1956-73		Exhaust T- 911	1 1/4	1 5/8	7/32	45

HERCULES

		Part No.	ID	OD	Depth	Ang.	
13	DFX, DFXB, DFXC, DFXD, DFXH, DFXH5, DFXE, DFXET						
6	1933-58		Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 1922	1 5/8	2	9/32	45
14	DHX, DHXB, DHXC						
6	1933-58		Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 1922	1 5/8	2	9/32	45
15	DIXB						
2	1936-60		Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
16	DIXC						
4	1936-60		Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
17	DIXD						
4	1936-60		Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
18	DIX4B Diesel						
133 ci	2.2 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1931-68		Exhaust T- 222	1 1/8	1 3/8	3/16	45
19	DIX4D						
166 ci	2.7 L	DIXC - 6 cyl.	Intake T- 1620	1 9/16	1 7/8	1/4	45
4	1946-58		Exhaust T- 224	1 1/8	1 3/8	17/64	45
20	DIX-6-D						
249 ci	4.1 L		Intake T- 1620	1 9/16	1 7/8	1/4	45
6			Exhaust T- 224	1 1/8	1 3/8	17/64	45
21	DIX-6-272, DIX83						
272 ci	4.5 L		Intake T- 1620	1 9/16	1 7/8	1/4	45
6			Exhaust T- 224	1 1/8	1 3/8	17/64	45
22	DJSBL						
2	1936-60		Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
23	DJX, DJXB, DJXBC, DJXBL, DJXC, DJXD						
260 ci	4.3 L		Intake T- 1922	1 5/8	2	9/32	45
6			Exhaust T- 224	1 1/8	1 3/8	17/64	45
24	DJXH, DJXHF						
298 ci	4.9 L		Intake T- 308	1 3/4	2 1/8	9/32	45
6	1938-60		Exhaust T- 929	1 5/16	1 9/16	7/32	45

HERCULES

			Part No.	ID	OD	Depth	Ang.
25			DNXV8B, DNXV8C				
8	1954-58		Intake T- 412	2 1/2	3	3/8	30
			Exhaust T- 1755	1 7/8	2 1/4	9/32	45
26			DNXV8D, DNXV8S, DNXV8DTS				
8	1954-58	Int. O.E.M. #166809	Intake T- 508	2 7/8	3 3/8	3/8	45
			Exhaust T- 1323	2 1/8	2 9/16	5/16	45
27			DOOB				
4	1936-60		Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
28			DOOB, DD198, D2000, D2120, D3000, D3400				
199 ci	3.3 L	Gas & Diesel	Intake T- 1602	1 7/16	1 13/16	1/4	45
4	1956-73		Exhaust T- 911	1 1/4	1 5/8	7/32	45
29			DOOC - 4 cyl				
4	1936-60		Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
30			DOOC - 6 cyl				
6	1946-58		Intake T- 1620	1 9/16	1 7/8	1/4	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
31			DOOC, DD226, D2300, GO226, GO226A, GO226AH, G23				
226 ci	3.7 L	Gas & Diesel	Intake T- 1602	1 7/16	1 13/16	1/4	45
4	1956-73		Exhaust T- 911	1 1/4	1 5/8	7/32	45
32			DOOD - 4 cyl				
4	1936-60		Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
33			DOOD - 6 cyl				
6	1946-58		Intake T- 1620	1 9/16	1 7/8	1/4	45
			Exhaust T- 224	1 1/8	1 3/8	17/64	45
34			DRX501, DRXB, DRXC, DRXD				
6	1936-60		Intake T- 802	2	2 5/16	9/32	45
			Exhaust T- 952	1 3/8	1 5/8	7/32	45
35			DWXC, DWXD, DWXLD, DWXID, DWXLDF, DWX1DF				
6	1946-60		Intake T- 1946	1 11/16	2 1/16	9/32	45
			Exhaust T- 271	1 1/4	1 1/2	7/32	45
36			E, K, L				
6			Exhaust T- 1763	1 15/16	2 3/8	9/32	45

HERCULES

		Part No.	ID	OD	Depth	Ang.
37 G1400, G1800						
4	1970-73		Intake T- 1901	1 9/16	1 7/8	5/16 45
			Exhaust T- 925	1 5/16	1 11/16	5/16 45
38 G1600						
4	1970-73		Intake T- 1901	1 9/16	1 7/8	5/16 45
			Exhaust T- 925	1 5/16	1 11/16	5/16 45
39 G1600, JX4E, JX4E2, JX4E3, JX4E5						
164 ci	2.7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
4	1956-73		Exhaust T- 952	1 3/8	1 5/8	7/32 45
40 GO198, GO198A, GO198AH, G2000, G2120, G3000, G34						
199 ci	3.3 L	Gas & Diesel	Intake T- 1602	1 7/16	1 13/16	1/4 45
4	1956-73		Exhaust T- 911	1 1/4	1 5/8	7/32 45
41 G298, G298H, GO298, G3000						
298 ci	4.9 L		Intake T- 1602	1 7/16	1 13/16	1/4 45
6			Exhaust T- 911	1 1/4	1 5/8	7/32 45
42 GXA, GXB, GXC, GXD, GXE						
6	1930-60		Intake T- 1323	2 1/8	2 9/16	5/16 45
			Exhaust T- 806	2	2 3/8	9/32 45
43 HXA, HXB, HXC, HXD, HXE, HXDW						
6	1930-60		Intake T- 1323	2 1/8	2 9/16	5/16 45
			Exhaust T- 806	2	2 3/8	9/32 45
44 IX, IXC						
79 ci	1.3 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1931-68		Exhaust T- 222	1 1/8	1 3/8	3/16 45
		Alt. Exh. w .218 depth	Alt-Exh T- 231	1 1/8	1 1/2	7/32 45
45 IXF3, IXF5						
95 ci	1.6 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1931-68		Exhaust T- 222	1 1/8	1 3/8	3/16 45
		Alt. Exh. w .218 depth	Alt-Exh T- 231	1 1/8	1 1/2	7/32 45
46 IXA, IXA3, IXA5, IXAC, IXAD						
113 ci	1.9 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1931-68		Exhaust T- 222	1 1/8	1 3/8	3/16 45
		Alt. Exh. w .218 depth	Alt-Exh T- 231	1 1/8	1 1/2	7/32 45

HERCULES

		Part No.	ID	OD	Depth	Ang.	
47 IXK, IXK3							
123 ci	2 L	Alt. Exh. w .218 depth	Intake T- 271	1 1/4	1 1/2	7/32	45
4	1931-68		Exhaust T- 222	1 1/8	1 3/8	3/16	45
			Alt-Exh T- 231	1 1/8	1 1/2	7/32	45
48 IXB, IXB3, IXB5, IXBC, IXBL, IXB-ER Military							
133 ci	2.2 L	Alt. Exh. w .218 depth	Intake T- 271	1 1/4	1 1/2	7/32	45
4	1931-68		Exhaust T- 222	1 1/8	1 3/8	3/16	45
			Alt-Exh T- 231	1 1/8	1 1/2	7/32	45
49 IX Series							
141 ci	2.3 L	Alt. Exh. w .218 depth	Intake T- 271	1 1/4	1 1/2	7/32	45
4	1931-68		Exhaust T- 222	1 1/8	1 3/8	3/16	45
			Alt-Exh T- 231	1 1/8	1 1/2	7/32	45
50 JX43, JX4C, JX4C2, JX4C3, JX4C5							
188 ci	3.1 L	Alt. Exh. w .250 depth	Intake T- 987	1 1/2	1 3/4	1/4	45
4	1951-71		Exhaust T- 952	1 3/8	1 5/8	7/32	45
			Alt-Exh T- 953	1 3/8	1 5/8	1/4	45
51 JX4, JX4D, JX4D2, JX4D3, JX4D5							
214 ci	3.5 L	JXDM, JXDT, JX4L-D3, JXTR	Intake T- 987	1 1/2	1 3/4	1/4	45
4	1956-73	Alt. Exh. w .250 depth	Exhaust T- 952	1 3/8	1 5/8	7/32	45
			Alt-Exh T- 953	1 3/8	1 5/8	1/4	45
52 JXA, JXA2, JXE, JXG (late), JXB, JXC, JXE3							
6	1931-71		Intake T- 1620	1 9/16	1 7/8	1/4	45
			Exhaust T- 984	1 7/16	1 3/4	1/4	45
53 JXA, JXA2, JXAM, JXG							
228 ci	3.7 L	Alt. Exh. w .250 depth	Intake T- 987	1 1/2	1 3/4	1/4	45
6	1931-71		Exhaust T- 952	1 3/8	1 5/8	7/32	45
			Alt-Exh T- 953	1 3/8	1 5/8	1/4	45
54 JX Series							
232 ci	3.8 L		Intake T- 987	1 1/2	1 3/4	1/4	45
6	1939-69		Exhaust T- 952	1 3/8	1 5/8	7/32	45

HERCULES

		Part No.	ID	OD	Depth	Ang.
55 JXE, JXE4						
245 ci	4 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1939-69		Exhaust T- 952	1 3/8	1 5/8	7/32 45
56 JXB, JXBM						
263 ci	4.3 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6			Exhaust T- 952	1 3/8	1 5/8	7/32 45
57 JXC, JXCM, JXCT						
282 ci	4.6 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6			Exhaust T- 952	1 3/8	1 5/8	7/32 45
58 JXD, JXDF, JXDM, JXDT, JX4D, JXTR (Early)						
320 ci	5.2 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1931-56		Alt-Int T- 1620	1 9/16	1 7/8	1/4 45
			Exhaust T- 952	1 3/8	1 5/8	7/32 45
		Alt. Exh. w .250 depth	Alt-Exh T- 984	1 7/16	1 3/4	1/4 45
59 JXD, JXDT, JXTR (Late)						
320 ci	5.2 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1956-73		Exhaust T- 953	1 3/8	1 5/8	1/4 45
60 JXL, JXLD						
339 ci	5.6 L		Intake T- 1630	1 5/8	1 15/16	1/4 45
6	1946-69	Alternate Intake	Alt-Int T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 1809	1 1/2	1 13/16	5/16 45
61 L237, QXL, QXLD, QXLD-ER, QXLD3, QXLD5						
237 ci	3.9 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1939-69		Exhaust T- 271	1 1/4	1 1/2	7/32 45
62 NXA						
57 ci	1 L		Intake T- 271	1 1/4	1 1/2	7/32 45
2	1939-60		Exhaust T- 222	1 1/8	1 3/8	3/16 45
63 NXB						
66 ci	1.1 L		Intake T- 271	1 1/4	1 1/2	7/32 45
2	1939-60		Exhaust T- 222	1 1/8	1 3/8	3/16 45
64 O, OB, OBX, OX, OXA, OXC						
			Intake T- 1905	1 9/16	2	1/4 45
4			Exhaust T- 1905	1 9/16	2	1/4 45

HERCULES

		Part No.	ID	OD	Depth	Ang.
65	OO-JX					
4		Intake T- 966	1 3/8	1 3/4	7/32	45
		Exhaust T- 966	1 3/8	1 3/4	7/32	45
66	OOA, OOB, OOC (Early)					
4		Intake T- 1613	1 1/2	1 7/8	1/4	45
		Exhaust T- 966	1 3/8	1 3/4	7/32	45
67	OOA					
4		Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 968	1 3/8	1 3/4	1/4	45
68	OOA (late)					
		Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 953	1 3/8	1 5/8	1/4	45
69	OOB					
4		Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 968	1 3/8	1 3/4	1/4	45
70	OOC (Late)					
6	1951-71	Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 953	1 3/8	1 5/8	1/4	45
71	QXA, QXA3, QXA5					
191 ci	3.1 L	Intake T- 929	1 5/16	1 9/16	7/32	45
6	1936-60	Exhaust T- 222	1 1/8	1 3/8	3/16	45
72	QXB, QXB3, QXB5					
205 ci	3.4 L	Intake T- 929	1 5/16	1 9/16	7/32	45
4	1936-60	Exhaust T- 222	1 1/8	1 3/8	3/16	45
73	QXC, QXC3, QXC5, QXC5M, QXC5MC					
222 ci	3.6 L	Intake T- 984	1 7/16	1 3/4	1/4	45
6	1939-60	Exhaust T- 271	1 1/4	1 1/2	7/32	45
74	QXD, QXD3, QXD5					
230 ci	3.8 L	Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1939-69	Exhaust T- 271	1 1/4	1 1/2	7/32	45
75	RXB, RXC, YXA, YXB, YXC, YXC2, YXC3, YXC4, YXD					
6	1931-60	Intake T- 308	1 3/4	2 1/8	9/32	45
		Exhaust T- 308	1 3/4	2 1/8	9/32	45
76	RXD, RXL, RXLC, RXLD					
6	1931-60	Intake T- 319	1 13/16	2 3/16	9/32	45
		Exhaust T- 308	1 3/4	2 1/8	9/32	45

HERCULES

		Part No.	ID	OD	Depth	Ang.
77 RXLDH, RXLDT, TDXB, TDXC						
6	1947-60		Intake T- 1754	1 7/8	2 1/4	9/32 30
			Exhaust T- 308	1 3/4	2 1/8	9/32 45
78 WXA, WXA2, WXD, WXH, WXLB, WXT						
6			Intake T- 1910	1 5/8	1 15/16	9/32 45
			Exhaust T- 1613	1 1/2	1 7/8	1/4 45
79 WXB, WXBX, WXE, WXC, WXCC, WXG, WXC3, WXC3C						
404 ci	6.6 L	WXLD, WXC2, WXC2C, WXD, WXLRT, WXR, WXR, WXRT, WXT	Intake T- 1910	1 5/8	1 15/16	9/32 45
6	1930-58		Exhaust T- 1613	1 1/2	1 7/8	1/4 45
		Alt. Exh. w .218 depth	Alt-Exh T- 1626	1 5/8	1 7/8	7/32 45
80 WXC, WXC2, WXC3, WXG						
358 ci	5.9 L		Intake T- 1910	1 5/8	1 15/16	9/32 45
6	1930-58		Exhaust T- 1626	1 5/8	1 7/8	7/32 45
81 WXLC						
358 ci	5.9 L		Intake T- 319	1 13/16	2 3/16	9/32 45
6	1940-50		Exhaust T- 1922	1 5/8	2	9/32 45
82 WXLC2						
383 ci	6.3 L		Intake T- 319	1 13/16	2 3/16	9/32 45
6	1940-50		Exhaust T- 1922	1 5/8	2	9/32 45
83 WXLC3						
6	1940-50		Intake T- 319	1 13/16	2 3/16	9/32 45
			Exhaust T- 1922	1 5/8	2	9/32 45
84 ZXA, ZXA3						
59 ci	1 L		Intake T- 222	1 1/8	1 3/8	3/16 45
4	1934-68		Exhaust T- 115	7/8	1 1/8	7/32 45
		Alternate Exhaust	Alt-Exh T- 113	7/8	1 1/8	3/16 45
85 ZXB, ZXB3						
65 ci	1 L		Intake T- 222	1 1/8	1 3/8	3/16 45
4	1934-68		Exhaust T- 115	7/8	1 1/8	7/32 45
			Alt-Exh T- 113	7/8	1 1/8	3/16 45

HOLDEN

		Part No.	ID	OD	Depth	Ang.
1 FJ After #U283384 on FB, FE, FC, EK, EJ						
6	1956-63		Intake T- 253	1 3/16	1 1/2	3/16 45
			Exhaust T- 214	1 1/16	1 5/16	3/16 45
2 48, 50, FJ up to 283372						
6	1948-56		Intake T- 257	1 3/32	1 3/8	3/16 45
			Exhaust T- 1986	1	1 1/4	5/32 45
3 EH, HD, X2 149, 179						
6	1963-66		Intake T- 943	1 11/32	1 5/8	7/32 45
			Exhaust T- 223	1 1/8	1 3/8	7/32 45
4 Torano LC, LC-GTR 161S, 161						
6	1969-70		Intake T- 943	1 11/32	1 5/8	7/32 45
			Exhaust T- 223	1 1/8	1 3/8	7/32 45
5 HR, HR186X2, HR186S, HK, HT 186						
6	1966-69		Intake T- 943	1 11/32	1 5/8	7/32 45
			Exhaust T- 223	1 1/8	1 3/8	7/32 45
6 HK, HT 307						
8	1968-69		Exhaust T- 929	1 5/16	1 9/16	7/32 45
7 Monaro GTS 327						
8	1968-69		Exhaust T- 990	1 5/16	1 9/16	1/4 45/R

HONDA

		Part No.	ID	OD	Depth	Ang.
1 EB1 SOHC 8 Valve						
1169 cc	1.2 L	Civic 1200	Intake T- 441	1 5/32	1 7/16	13/32 45/R
4	1972-73		Exhaust T- 442	1	1 3/8	13/32 45/R
2 EB2 SOHC 8 Valve						
1237 cc	1.2 L	Civic 1200	Intake T- 441	1 5/32	1 7/16	13/32 45/R
4	1974-77		Exhaust T- 442	1	1 3/8	13/32 45/R
3 EB3 SOHC 8 Valve						
1237 cc	1.2 L	Civic 1200	Intake T- 443	1 1/4	1 9/16	23/64 45/R
4	1978-79		Exhaust T- 2517	1 3/32	1 7/16	.354 45
4 EJ1 SOHC 8 Valve						
1335 cc	1.3 L	Civic 1300	Intake T- 449	1 9/64	1 1/2	21/64 45/R
4	1980-83		Exhaust T- 2351	.910	1 1/4	.285 45/R

HONDA

			Part No.	ID	OD	Depth	Ang.
5	SOHC 8 Valve (Hybrid)						
1339 cc	1.3 L		Intake T- 136	.790	1 1/16	.254	45
4	2003-11		Exhaust T- 137	.934	1 3/16	.257	45/R
6	D13A2 SOHC 16 Valve						
1342 cc	1.3 L	Civic	Intake T- 2351	.910	1 1/4	.285	45/R
4	1984-92		Exhaust T- 2351	.910	1 1/4	.285	45/R
7	EV1 SOHC 16 Valve						
1342 cc	1.3 L	Civic, Civic CRX, CRX High Fuel	Intake T- 2351	.910	1 1/4	.285	45/R
4	1984-86		Exhaust T- 2351	.910	1 1/4	.285	45/R
8	D15A2 SOHC 12 Valve						
1488 cc	1.5 L	Civic, CRX, CRX High Fuel	Intake T- 2351	.910	1 1/4	.285	45/R
4	1987		Exhaust T- 2351	.910	1 1/4	.285	45/R
9	D15A2 SOHC 12 Valve						
1488 cc	1.5 L	Civic, CRX	Intake T- 2346	15/16	1 1/8	5/16	45
4	1987-92		Exhaust T- 524	1 1/8	1 3/8	.325	45
10	D15A3 SOHC 12 Valve						
1488 cc	1.5 L	CRX	Intake T- 753	.900	1 1/8	.325	45
4	1987		Exhaust T- 524	1 1/8	1 3/8	.325	45
11	ED, ED1, ED2 SOHC 12 Valve						
1488 cc	1.5 L	Civic, Civic 1500, CVCC	Intake T- 449	1 9/64	1 1/2	21/64	45/R
4	1975-76		Exhaust T- 2351	.910	1 1/4	.285	45/R
12	ED3, ED4 SOHC 12 Valve						
1488 cc	1.5 L	Civic CVCC	Intake T- 449	1 9/64	1 1/2	21/64	45/R
4	1976-83		Exhaust T- 2351	.910	1 1/4	.285	45/R
13	EM1 SOHC 12 Valve						
1488 cc	1.5 L	Civic CVCC	Intake T- 449	1 9/64	1 1/2	21/64	45/R
4	1980-83		Exhaust T- 2351	.910	1 1/4	.285	45/R
14	EW1 SOHC 12 Valve						
1488 cc	1.5 L	Civic CVCC, CRX 1500	Intake T- 753	.900	1 1/8	.325	45
4	1984-86		Exhaust T- 524	1 1/8	1 3/8	.325	45
15	EW1 SOHC 12 Valve High Fuel						
1488 cc	1.5 L	CRX 1500	Intake T- 2351	.910	1 1/4	.285	45/R
4	1985-87		Exhaust T- 2351	.910	1 1/4	.285	45/R
16	EW3 SOHC 12 Valve						
1488 cc	1.5 L	CRX 1500, CRX Si	Intake T- 753	.900	1 1/8	.325	45
4	1984-86		Exhaust T- 524	1 1/8	1 3/8	.325	45

HONDA

			Part No.	ID	OD	Depth	Ang.
17 EW4 SOHC 12 Valve							
1488 cc	1.5 L	Civic, Civic Si, CRX	Intake T- 753	.900	1 1/8	.325	45
4	1986		Exhaust T- 524	1 1/8	1 3/8	.325	45
18 D15B1 SOHC 16 Valve							
1493 cc	1.5 L	Civic, CRX	Intake T- 137	.934	1 3/16	.257	45/R
4	1988-95		Exhaust T- 136	.790	1 1/16	.254	45
19 D15B7, D15Z1 SOHC 16 Valve							
1493 cc	1.5 L	Civic, Civic CX, DX, LX, VX, Del Sol	Intake T- 137	.934	1 3/16	.257	45/R
4	1992-95		Exhaust T- 136	.790	1 1/16	.254	45
20 D152B2, D15B6 SOHC							
1493 cc	1.5 L	Civic DX, LX, CRX, CRX High Fuel	Intake T- 137	.934	1 3/16	.257	45/R
4	1988-91		Exhaust T- 136	.790	1 1/16	.254	45
21 D15B8 SOHC 8 Valve							
1493 cc	1.5 L		Intake T- 137	.934	1 3/16	.257	45/R
4	1992-95		Exhaust T- 136	.790	1 1/16	.254	45
22 D16-Z6, Y7 & Y8 SOHC 16 Valve "VTEC"							
1590 cc	1.6 L	Civic, Civic Si, CRX, CRX Si, Del Sol	Intake T- 2475	1	1 1/4	.305	45
4	1992-00		Exhaust T- 129	7/8	1 1/16	3/16	45
23 D16A DOHC 16 Valve							
1590 cc	1.6 L		Intake T- 2475	1	1 1/4	.305	45
4	1986-89		Exhaust T- 2361	.880	1 3/16	.280	45
24 D16A6 SOHC 16 Valve							
1590 cc	1.6 L	Civic, Civic Si, CRX, CRX Si	Intake T- 137	.934	1 3/16	.257	45/R
4	1988-91		Exhaust T- 136	.790	1 1/16	.254	45
25 D16Y5 SOHC 16 Valve							
1590 cc	1.6 L		Intake T- 2475	1	1 1/4	.305	45
4	1996-00		Exhaust T- 129	7/8	1 1/16	3/16	45
26 B16A3 DOHC 16 Valve VTEC							
1595 cc	1.6 L		Intake T- 625	1.102	1 3/8	.260	45
4	1994-00		Exhaust T- 2505	.955	1 1/4	.255	45
27 B16A2 DOHC 16 Valve VTEC							
1599 cc	1.6 L		Intake T- 625	1.102	1 3/8	.260	45
4	1996-00		Exhaust T- 2505	.955	1 1/4	.255	45
28 EF1, EF2, EF3 SOHC 12 Valve							
1599 cc	1.6 L		Intake T- 449	1 9/64	1 1/2	21/64	45/R
4	1976-78		Exhaust T- 2351	.910	1 1/4	.285	45/R

HONDA

		Part No.	ID	OD	Depth	Ang.
29 D17A1, D17A2, D17A6 SOHC 16 Valve						
1668 cc	1.7 L		Intake T- 2475	1	1 1/4	.305 45
4	2001-05		Exhaust T- 136	.790	1 1/16	.254 45
30 D17A7 SOHC 16 Valve						
1668 cc	1.7 L		Intake T- 2475	1	1 1/4	.305 45
4	2001-05		Exhaust T- 136	.790	1 1/16	.254 45
31 EK1 SOHC 12 Valve						
1751 cc	1.8 L		Intake T- 449	1 9/64	1 1/2	21/64 45/R
4	1979-83	Alternate Intake & Exhaust	Alt-Int T- 416	1 3/16	1 1/2	.305 45/R
			Exhaust T- 2351	.910	1 1/4	.285 45/R
			Alt-Exh T- 161	.975	1.319	.280
32 A18A1 SOHC 12 Valve						
1829 cc	1.8 L		Intake T- 522	1.086	1 5/16	.305 45
4	1983-92	Alt. Int. w 1.179 VI. Hd., .280 depth	Alt-Int T- 191	1.060	1 5/16	.280 45/R
			Exhaust T- 1023	1.255	1 1/2	.318 45
33 ES1, ES2, ES3 SOHC 12 Valve						
1829 cc	1.8 L		Intake T- 347	1.086	1 5/16	.305 45/R
4	1983-85	Alt. Int. w 1.179 VI. Hd., .280 depth	Alt-Int T- 191	1.060	1 5/16	.280 45/R
			Exhaust T- 449	1 9/64	1 1/2	21/64 45/R
		Alt. Exh. w 1.376 VI. Hd., .318 depth	Alt-Exh T- 1023	1.255	1 1/2	.318 45
34 ET2 SOHC 12 Valve						
1829 cc	1.8 L		Intake T- 347	1.086	1 5/16	.305 45/R
4	1984-86	Alt. Int. w 1.179 VI. Hd., .280 depth	Alt-Int T- 191	1.060	1 5/16	.280 45/R
			Exhaust T- 449	1 9/64	1 1/2	21/64 45/R
		Alt. Exh. w 1.376 VI. Hd., .318 depth	Alt-Exh T- 1023	1.255	1 1/2	.318 45
35 A20A, A20A1, A20A3, B20A3 SOHC 12 Valve						
1955 cc	2 L		Intake T- 522	1.086	1 5/16	.305 45
4	1987-90	Alt. Int. w 1.179 VI. Hd., .280 depth	Alt-Int T- 191	1.060	1 5/16	.280 45/R
			Exhaust T- 1023	1.255	1 1/2	.318 45
36 BS1, BS2, BT SOHC 12 Valve						
1955 cc	2 L	Accord, Accord DX, LX, LXi, SEi, Prelude Si Alt. Int. w 1.179 VI. Hd., .280 depth	Intake T- 522	1.086	1 5/16	.305 45
4	1986		Alt-Int T- 191	1.060	1 5/16	.280 45/R
			Exhaust T- 1023	1.255	1 1/2	.318 45

HONDA

		Part No.	ID	OD	Depth	Ang.
37 B20A3 SOHC 12 Valve						
1958 cc	2 L		Intake T- 522	1.086	1 5/16	.305
4	1988-90					45
38 B20A5 DOHC 16 Valve						
1958 cc	2 L	Prelude, Prelude Si	Intake T- 524	1 1/8	1 3/8	.325
4	1988-91		Exhaust T- 2504	.930	1 1/4	.325
39 B20Z2 DOHC 16 Valve						
1972 cc	2 L		Exhaust T- 2504	.930	1 1/4	.325
4	1999-01					
40 B21A1 DOHC 16 Valve						
2056 cc	2.1 L	Prelude, Prelude Si	Intake T- 524	1 1/8	1 3/8	.325
4	1988-91		Exhaust T- 2504	.930	1 1/4	.325
41 F22A, F22A1, F22A4, F22A6 SOHC 16 Valve						
2156 cc	2.2 L	Accord, Accord DX, LX, SE, Prelude, Prelude S, VTEC	Intake T- 524	1 1/8	1 3/8	.325
4	1990-96		Exhaust T- 162	.970	1.257	.270
42 F22B1, F22B2, F22B6 SOHC 16 Valve						
2156 cc	2.2 L	Accord, Prelude	Intake T- 524	1 1/8	1 3/8	.325
4	1994-97		Exhaust T- 162	.970	1.257	.270
43 H22A1 DOHC 16 Valve						
2156 cc	2.2 L		Intake T- 524	1 1/8	1 3/8	.325
4	1993-01		Exhaust T- 2475	1	1 1/4	.305
44 H22A4 DOHC 16 Valve						
2156 cc	2.2 L		Intake T- 524	1 1/8	1 3/8	.325
4	1997-01		Exhaust T- 2475	1	1 1/4	.305
45 4ZE1 SOHC 8 Valve Isuzu						
2559 cc	2.6 L	Passport	Intake T- 423	1.530	1 13/16	.305
4	1994-97		Exhaust T- 1047	1 5/16	1 5/8	.276
46 6VD1 SOHC 24 Valve Isuzu						
3165 cc	3.2 L	Passport	Intake T- 1685	1 3/16	1 7/16	1/4
6	1994-97		Exhaust T- 2868	1.020	1 5/16	.258

HYUNDAI - ALSO SEE MITSUBISHI

		Part No.	ID	OD	Depth	Ang.
1 SOHC 4G33, Mitsubishi G12B						
1438 cc	1.4 L		Intake T- 352	1.100	1 7/16	.293
4	1984-87		Exhaust T- 353	.980	1 5/16	.293

HYUNDAI - ALSO SEE MITSUBISHI

		Part No.	ID	OD	Depth	Ang.
2 SOHC 8 Valve G4AJ Mitsubishi G15B						
1468 cc	1.5 L		Intake T- 352	1.100	1 7/16	.293 45/R
4	1986-89		Exhaust T- 353	.980	1 5/16	.293 45/R
3 SOHC 12 valve G4DJ Mitsubishi 4G15						
1468 cc	1.5 L		Intake T- 539	1.181	1 7/16	.280 45/R
4	1990-94		Exhaust T- 353	.980	1 5/16	.293 45/R
4 SOHC G4AE/EB/EK, Turbo 12 Valve						
1495 cc	1.5 L		Intake T- 2349	.890	1.132	.237 45/R
4	1993-02		Exhaust T- 2364	1.057	1.382	.240 45/R
5 DOHC G4CR 16 Valve						
1595 cc	1.6 L		Intake T- 1685	1 3/16	1 7/16	1/4 45/R
4	1992-95		Exhaust T- 570	1.045	1 5/16	5/16 45
6 DOHC G4GR 16 Valve						
1596 cc	1.6 L		Intake T- 2075	1.135	1 7/16	.316 45/R
4	1992-95		Exhaust T- 570	1.045	1 5/16	5/16 45
7 DOHC 16 Valve G4CN, 4G67 Mitsubishi						
1836 cc	1.8 L		Intake T- 2075	1.135	1 7/16	.316 45/R
4	1993-95		Alt-Int T- 1685	1 3/16	1 7/16	1/4 45/R
			Exhaust T- 570	1.045	1 5/16	5/16 45
8 SOHC G63B						
1997 cc	2 L		Intake T- 386	1.455	1 3/4	.310 45/R
4	1985-91		Exhaust T- 476	1.220	1 1/2	.315 45/R
9 DOHC 16 valve G4CP, 4G63 Mitsubishi						
1997 cc	2 L		Intake T- 2075	1.135	1 7/16	.316 45/R
4	1992-98		Alt-Int T- 1685	1 3/16	1 7/16	1/4 45/R
			Exhaust T- 570	1.045	1 5/16	5/16 45
10 SOHC G4CS Mitsubishi G64B						
2351 cc	2.4 L		Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1989-91	Alt. Int. w 1.811 VI. Hd., .317 depth	Alt-Int T- 1999	1.575	1 7/8	.317 45/R
			Exhaust T- 919	1 5/16	1 5/8	5/16 45

HYUNDAI - ALSO SEE MITSUBISHI

		Part No.	ID	OD	Depth	Ang.
11 SOHC G4CS Mitsubishi G64B (Alt)						
2351 cc	2.4 L					
4	1989-91					
		Intake	T- 1872	1 9/16	1 7/8	5/16 45/R
		Exhaust	T- 1529	1.275	1 5/8	.315 45/R
		Alt-Exh	T- 922	1 9/32	1 5/8	5/16 45/R
		Alt. Exh. w 1.497 VI. Hd., .312 depth				
12 SOHC 12 Valve G4CSA, G6AT						
2972 cc	3 L					
6	1990-98					
		Intake	T- 386	1.455	1 3/4	.310 45/R
		Exhaust	T- 579	1 1/4	1 9/16	.319 45/R
		Alt-Exh	T- 542	1.219	1 9/16	.317 45
		Alt. Exh. w 1.378 VI. Hd., .317 depth				

IHC: TRUCK (NAVISTAR TRUCK)

		Part No.	ID	OD	Depth	Ang.
1 D150						
150 ci	2.5 L					
8						
		Intake	T- 1768	1 15/16	2.206	15/64 45
		Exhaust	T- 1954	1 43/64	1.953	15/64 45
2 4-152, 4-152T, B-152 Truck						
152 ci	2.5 L	Scout, C-900, CH-90, CM75-80,				
4	1961-68	CM110-130, CMU85, D900, M700-800, M1100, S-80, 900 Series				
		Intake	T- 345	1 53/64	2.015	3/16 45
		Exhaust	T- 1864	1.446	1.678	5/16 45
3 D170						
170 ci	2.8 L					
8						
		Intake	T- 1768	1 15/16	2.206	15/64 45
		Exhaust	T- 1954	1 43/64	1.953	15/64 45
4 GRD175, 175A, HD3, HD174 Truck						
175 ci	2.9 L	C12-15, C30-31, CS30, D2-3, D30,				
6	1937-49	DS30, K1-2-3, K4-5, KB1-3-5, KS4-5 Series				
		Intake	T- 1610	1 1/2	1 13/16	1/4 45
		Exhaust	T- 924	1 1/4	1 9/16	7/32 45
5 D190						
190 ci	3.1 L					
8						
		Intake	T- 1768	1 15/16	2.206	15/64 45
		Exhaust	T- 1954	1 43/64	1.953	15/64 45
6 4-196 Truck						
196 ci	3.2 L	Scout, M700-800, M1100, MA1500 Series				
4						
		Intake	T- 1790	1 15/16	2 1/8	3/16 45
		Exhaust	T- 1890	1 9/16	1.805	5/16 45
7 GRD 214, 214A, 233A, HD3, HD213, HD213A Truck						
214 ci	3.5 L	12 Valve				
6	1937-49	D2-3, D15, D20, D30, DS30, K1-2-3, K4-5, KB1-5, KBS Series				
		Intake	T- 1610	1 1/2	1 13/16	1/4 45
		Exhaust	T- 924	1 1/4	1 9/16	7/32 45
8 BD220, BG220, SD220 Truck 12 Valve						
220 ci	3.6 L					
6	1960-68					
		Intake	T- 982	1 7/16	1 11/16	1/4 45
		Exhaust	T- 928	1 5/16	1 9/16	7/32 30

IHC: TRUCK (NAVISTAR TRUCK)

		Part No.	ID	OD	Depth	Ang.
9	232 12 Valve AMC					
232 ci	3.8 L	Scout	Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1969-78		Exhaust T- 271	1 1/4	1 1/2	7/32 45
10	HD232, HD232A, HD232C 12 Valve					
232 ci	3.8 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1937-49		Exhaust T- 924	1 1/4	1 9/16	7/32 45
11	GRD233, GRD233A Truck 12 Valve					
233 ci	3.8 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1937-49		Exhaust T- 924	1 1/4	1 9/16	7/32 45
12	BD240, BG240, BG241, SD240 12 Valve					
240 ci	3.9 L	Early SD240 Engines	Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1950-69	Alt. Int. w 1.656 VI. Hd., .250 depth	Alt-Int T- 982	1 7/16	1 11/16	1/4 45
			Exhaust T- 928	1 5/16	1 9/16	7/32 30
13	FAB241 Truck 12 Valve					
241 ci	4 L	Int. w 1.680 VI. Hd.	Intake T- 986	1 1/2	1 3/4	7/32 45
6	1937-40		Exhaust T- 929	1 5/16	1 9/16	7/32 45
14	BLD250 Truck 12 Valve					
250 ci	4.1 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1941-49		Exhaust T- 929	1 5/16	1 9/16	7/32 45
15	258 12 Valve AMC					
258 ci	4.2 L	Scout	Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1971-78		Exhaust T- 271	1 1/4	1 1/2	7/32 45
16	FAB259 12 Valve					
259 ci	4.3 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1938-40		Exhaust T- 929	1 5/16	1 9/16	7/32 45
17	BD264, BG264, BG265 Truck 12 Valve					
264 ci	4.3 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1955-69		Exhaust T- 928	1 5/16	1 9/16	7/32 30
18	V266					
266 ci	4.4 L		Intake T- 1966	1 21/32	1.860	3/16 45
8	1959-72		Exhaust T- 268	1 1/4	1 31/64	5/16 45
19	BD269, BLD269, BLD269A Truck 12 Valve					
269 ci	4.4 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1942-56		Exhaust T- 929	1 5/16	1 9/16	7/32 45

IHC: TRUCK (NAVISTAR TRUCK)

		Part No.	ID	OD	Depth	Ang.
20	BD282 12 Valve					
282 ci	4.6 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1953-69		Exhaust T- 983	1 7/16	1 3/4	7/32 45
21	D301 Diesel 12 Valve					
301 ci	4.9 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1963-70		Exhaust T- 222	1 1/8	1 3/8	3/16 45
22	V304, V304A Truck					
304 ci	5 L		Intake T- 345	1 53/64	2.015	3/16 45
8	1960-80		Exhaust T- 1864	1.446	1.678	5/16 45
23	BD308 12 Valve					
308 ci	5 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6	1955-69		Exhaust T- 983	1 7/16	1 3/4	7/32 45
24	RED318, RED318A 12 Valve					
318 ci	5.2 L		Intake T- 848	2	2 3/8	3/16 45
6			Exhaust T- 935	1 5/16	1 5/8	1/4 45
25	V345, V345A					
345 ci	5.6 L		Intake T- 345	1 53/64	2.015	3/16 45
8	1961-82		Exhaust T- 1864	1.446	1.678	5/16 45
26	360 Diesel & Turbo Diesel 12 Valve					
360 ci	5.9 L	Int. OEM #671602C1, 675441C	Intake T- 2132	1 1/2	1.7825	11/32 30
6		Exh. OEM #671599C1, 675576C1	Exhaust T- 2362	1 1/4	1.536	.358 45/R
27	FBB361, FBC361, RED361, RED361A 12 Valve					
361 ci	5.9 L		Intake T- 806	2	2 3/8	9/32 45
6	1938-49		Exhaust T- 968	1 3/8	1 3/4	1/4 45
28	32 Valve Diesel Powerstroke					
365 ci	6 L		Intake T- 225	1 1/8	1 3/8	1/4 45
8			Exhaust T- 137	.934	1 3/16	.257 45/R
29	RD372, RED372 Early					
372 ci	6.1 L		Intake T- 806	2	2 3/8	9/32 45
6	1950-54		Exhaust T- 968	1 3/8	1 3/4	1/4 45
30	RD372, RED372 12 Valve					
372 ci	6.1 L		Intake T- 803	2	2 3/8	3/16 30
6	1954-69		Exhaust T- 1624	1 19/32	1 7/8	1/4 45
31	V392					
392 ci	6.4 L		Intake T- 1790	1 15/16	2 1/8	3/16 45
8	1966-88		Exhaust T- 1890	1 9/16	1.805	5/16 45

IHC: TRUCK (NAVISTAR TRUCK)

		Part No.	ID	OD	Depth	Ang.
32 V400						
400 ci	6.6 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1974-75		Exhaust T- 983	1 7/16	1 3/4	7/32 45
33 FBC401, RED401, RED401A, RED401B 12 Valve						
401 ci	6.6 L		Intake T- 806	2	2 3/8	9/32 45
6	1938-49		Exhaust T- 968	1 3/8	1 3/4	1/4 45
34 V401, VS401						
401 ci	6.6 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1960-74		Exhaust T- 1772	1 5/8	2.006	.301 45
35 MV404						
404 ci	6.6 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1975-81		Exhaust T- 2741	1.365	1.655	5/16 45
36 RD406, RED406 12 Valve						
406 ci	6.6 L		Intake T- 803	2	2 3/8	3/16 30
6	1954-69		Exhaust T- 1627	1 5/8	1 7/8	1/4 45
		Alt. Exh. w 1.781 VI. Hd., .250 depth	Alt-Exh T- 1624	1 19/32	1 7/8	1/4 45
37 DT408 12 Valve						
408 ci	6.7 L		Intake T- 1892	1 23/32	2	.386 30/R
6			Exhaust T- 1887	1 11/32	1 5/8	.365 45/R
38 6.9 L D-420 Diesel						
420 ci	6.9 L		Intake T- 1964	1 11/16	1 15/16	3/16 45
8	1983-89	Alt. Two-Stepped O.D. Intake Seat for minimum Cutter breakthru.	Alt-Int T- 1696	1 9/16	1.9565	5/16 30
			Exhaust T- 965	1 3/8	1.669	.272 38
39 6.9 L D-420 Diesel (Alt)						
420 ci	6.9 L	Alt. Int. w 1.840 VI. Hd., .250 depth	Intake T- 1633	1 11/16	1 15/16	1/4 45
8	1983-89		Exhaust T- 965	1 3/8	1.669	.272 38
40 TE444 Turbo Diesel Direct Inj.						
444 ci	7.3 L		Intake T- 984	1 7/16	1 3/4	1/4 45
8	1994-97		Exhaust T- 984	1 7/16	1 3/4	1/4 45

IHC: TRUCK (NAVISTAR TRUCK)

		Part No.	ID	OD	Depth	Ang.
41 7.3 L Diesel & Turbo Diesel Indirect Inj.						
445 ci	7.3 L	(Not for early year 88-89 castings because of thin walls) Alternate Two-Stepped O.D. Intake Seat to minimize cutter breakthru.	Intake T- 1964	1 11/16	1 15/16	3/16 45
8	1988-95		Alt-Int T- 1696	1 9/16	1.9565	5/16 30
			Exhaust T- 965	1 3/8	1.669	.272 38
42 7.3 L Diesel & Turbo Diesel (Alt)						
445 ci	7.3 L	Intake seat for thin wall castings	Intake T- 1561	1 5/8	1 7/8	3/16 30
8	1988-89		Exhaust T- 965	1 3/8	1.669	.272 38
43 MV446						
446 ci	7.3 L		Intake T- 318	1 13/16	2 1/8	1/4 45
8	1975-81		Exhaust T- 2741	1.365	1.655	5/16 45
44 RD450 12 Valve						
450 ci	7.4 L		Intake T- 803	2	2 3/8	3/16 30
6	1954-69		Exhaust T- 1627	1 5/8	1 7/8	1/4 45
			Alt. Exh. w 1.781 VI. Hd., .250 depth	Alt-Exh T- 1624	1 19/32	1 7/8
45 RED450, RED450A, RED450B, RED450D 12 Valve						
450 ci	7.4 L		Intake T- 803	2	2 3/8	3/16 30
6	1960-74		Exhaust T- 935	1 5/16	1 5/8	1/4 45
46 V461, VS461, UV461 (Power Unit)						
461 ci	7.5 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1960-64		Exhaust T- 1772	1 5/8	2.006	.301 45
47 466 Diesel Elec. Inj. 24 Valve "MaxxForce"						
466 ci	7.6 L		Intake T- 2384	1 5/16	1.584	1/4 30
6			Exhaust T- 2480	1 9/32	1.480	1/4 45
48 466 Heui Diesel Elect. Inj. 12 Valve						
466 ci	7.6 L	int. w 1.786 VI. Hd.	Intake T- 2423	1 9/16	1.823	.273 30
6		Alt. Int. w 1.970 VI. Hd.	Alt-Int T- 1892	1 23/32	2	.386 30/R
			Exhaust T- 2427	1 17/32	1.811	.334 45
49 466 Turbo Diesel Mech. Inj. 12 Valve						
466 ci	7.6 L		Intake T- 1892	1 23/32	2	.386 30/R
6			Exhaust T- 1887	1 11/32	1 5/8	.365 45/R

IHC: TRUCK (NAVISTAR TRUCK)

		Part No.	ID	OD	Depth	Ang.
50 D466, DT466, DT466B, DTI466B Diesel & Turbo Diesel						
466 ci	7.6 L	12 Valve DTA466C, DT-DTA466	Intake T- 1892	1 23/32	2	.386 30/R
6	1975-83		Exhaust T- 1887	1 11/32	1 5/8	.365 45/R
51 V478, VS478						
478 ci	7.8 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1965-77		Exhaust T- 1772	1 5/8	2.006	.301 45
52 RD501, RED501 12 Valve						
501 ci	8.2 L	Alt. Exh. w 1.781 VI. Hd., .250 depth	Intake T- 803	2	2 3/8	3/16 30
6	1960-74		Exhaust T- 1627	1 5/8	1 7/8	1/4 45
			Alt-Exh T- 1624	1 19/32	1 7/8	1/4 45
53 D530 Diesel Elect. Inj. 12 Valve						
530 ci	8.7 L	Int. w 1.786 VI. Hd.	Intake T- 2423	1 9/16	1.823	.273 30
6		Alt. Int. w 1.970 VI. Hd.	Alt-Int T- 1892	1 23/32	2	.386 30/R
			Exhaust T- 2427	1 17/32	1.811	.334 45
54 D530 Diesel Mech. Inj. 12 Valve						
530 ci	8.7 L		Intake T- 1892	1 23/32	2	.386 30/R
6			Exhaust T- 1887	1 11/32	1 5/8	.365 45/R
55 V537						
537 ci	8.8 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1977-81		Exhaust T- 1772	1 5/8	2.006	.301 45
56 V549, VS549, FTV549, FTVS549						
549 ci	9 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8	1970-79		Exhaust T- 1772	1 5/8	2.006	.301 45
57 DV550 Diesel						
550 ci	9 L		Intake T- 1768	1 15/16	2.206	15/64 45
8			Exhaust T- 1954	1 43/64	1.953	15/64 45
58 DV550B Diesel						
550 ci	9 L		Intake T- 1768	1 15/16	2.206	15/64 45
8			Exhaust T- 1954	1 43/64	1.953	15/64 45
59 D551 Diesel 16 Valve						
551 ci	9 L		Intake T- 1664	1.657	1.972	.300 45/R
8	1980-83		Exhaust T- 1662	1.460	1.775	.300 45/R

IHC: TRUCK (NAVISTAR TRUCK)

		Part No.	ID	OD	Depth	Ang.
60	570 Elect. Inj. 24 Valve "Maxxforce"					
570 ci	9.3 L		Intake T- 2384	1 5/16	1.584	1/4 30
6			Exhaust T- 2480	1 9/32	1.480	1/4 45
61	V605					
605 ci	9.9 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8			Exhaust T- 1772	1 5/8	2.006	.301 45

INFINITY

		Part No.	ID	OD	Depth	Ang.
1	DOHC 16 Valve SR 20DE Nissan					
1998 cc	2 L		Intake T- 673	1.162	1.444	.214 0/R
4	1991-97		Exhaust T- 674	.982	1.257	.212 0/R
2	SOHC VG30, VG30E Nissan					
2960 cc	3 L		Intake T- 2031	1 1/2	1 13/16	.278 45/R
6	1990-96		Exhaust T- 546	1.179	1 1/2	.293 45/R
3	DOHC 24 valve VG30D, VG30DE, VG30DTT Turbo					
2960 cc	3 L		Intake T- 149	1.175	1 1/2	.236 45/R
6	1993-97		Exhaust T- 566	.965	1 5/16	.235 45/R
4	SOHC 12 Valve VG33E					
3275 cc	3.3 L		Intake T- 2031	1 1/2	1 13/16	.278 45/R
6	1997-00		Exhaust T- 546	1.179	1 1/2	.293 45/R
5	DOHC 32 valve VH45D, VH45DE					
4494 cc	4.5 L		Intake T- 560	1.260	1 9/16	.233 45/R
8	1990-96		Exhaust T- 547	1.085	1 3/8	.236 45/R

INGERSOLL-RAND

		Part No.	ID	OD	Depth	Ang.
1	JVG					
	OEM #1W25173		Intake T- 3101	2 3/8	3.122	27/32 45
			Exhaust T- 3101	2 3/8	3.122	27/32 45
2	KVG - Old Style					
	Int. OEM #1W30792		Intake T- 4006	4 5/16	5 7/16	1 3/8 45
	Exh. OEM #1W30791		Exhaust T- 4106	4 1/16	5 3/16	1 3/8 45
3	KVG - New Style					
	Int. OEM #1W30792		Intake T- 4006	4 5/16	5 7/16	1 3/8 45
	Exh. OEM #1W55371		Exhaust T- 4107	4 1/16	4 13/16	1 3/4 45

INGERSOLL-RAND

		Part No.	ID	OD	Depth	Ang.
4	KVG Threaded Seat					
	Int. OEM #1W22055	Intake T- 6101	4 5/16	5.890	1 1/4	45/R
	Exh. OEM #1W31961, 1W9200	Exhaust T- 6102	4 1/16	5.750	1 5/16	45/R
5	KVGR 2 Valve					
	Int. OEM # 1W30792	Intake T- 4006	4 5/16	5 7/16	1 3/8	45
	Exh. OEM #1W55371	Exhaust T- 4107	4 1/16	4 13/16	1 3/4	45
6	KVH - 3 Valve					
	Int. OEM #1W51259A	Intake T- 6521	5 1/2	6 1/2	11/16	30
	Exh. OEM #1W56691A	Exhaust T- 6501	3 3/4	4 1/2	1 1/4	30
7	KVH, KVT, KVR Fuel Injection Seat					
	OEM #1AUW56738	Intake Q- 0567	1 3/4	2.613	1.220	45/C
8	KVR					
	Int. OEM #1W51259A	Intake T- 6521	5 1/2	6 1/2	11/16	30
	Alt. Int. OEM #1W102030	Alt-Int T- 6518	5 1/2	6 1/2	3/4	30
	Exh. OEM#1W83508	Exhaust T- 6519	3 1/2	4.3785	1.249	30/R
9	KVR Fuel Injection Seat					
	OEM #R72578A	Intake T- 8672	1.750	2.614	2.172	45/C
	Alt. Int. OEM #R72578	Alt-Int T- 8678	1 3/4	2.614	2.437	45/C
10	KVR Power Inlet seat w/ 1/2 shield					
	OEM #R71389A	Intake T- 7224	5 1/2	6 1/2	1	30/S
11	KVS - 2 Valve					
	Int. OEM #1W32037	Intake T- 4001	4 3/4	5 3/4	11/16	30
	Exh. OEM #1W32038-P2	Exhaust T- 4101	4 1/2	5 5/8	1 3/8	45
12	KVS - Fuel Inj. Seat - 2 Valve					
	OEM #1W38565P2	Intake T- 9301	1 1/4	3.3605	1 3/16	45/C
13	KVS - Fuel Inj. Seat - 3 Valve					
	OEM #1W59941	Intake T- 9303	1 1/4	2.613	1	45/C

INGERSOLL-RAND

		Part No.	ID	OD	Depth	Ang.
14	KVS - Fuel Inj. Seat Insert					
		Intake T- 278	1 1/4	1 9/16	1/4	45
15	KVS-FT - 3 Valve					
	Int. OEM #1W32037	Intake T- 4001	4 3/4	5 3/4	11/16	30
	Exh. OEM #1W59813A	Exhaust T- 4102	3 3/8	4	1 3/4	45
16	KVSE Fuel Injection Seat					
	OEM #R77612	Intake Q- 7612	1 1/4	2.613	2.011	45/C
17	KVSR					
	Int. OEM # 1W32037	Intake T- 4001	4 3/4	5 3/4	11/16	30
	Exh. OEM # 1W32038-P2	Exhaust T- 4101	4 1/2	5 5/8	1 3/8	45
18	KVT - 4 Valve					
	OEM #1W56691A	Intake T- 6501	3 3/4	4 1/2	1 1/4	30
	Alt. Int. & Exh. OEM #1W56691AP1	Alt-Int T- 6503	3 3/4	4 1/2	1 1/4	15
		Exhaust T- 6501	3 3/4	4 1/2	1 1/4	30
		Alt-Exh T- 6503	3 3/4	4 1/2	1 1/4	15
19	KVT Fuel Injection Seat					
	OEM #1W56821	Intake Q- 0568	1	2.614	1 27/32	45/C
20	LVG					
		Intake T- 6042	4 1/16	4 7/8	1/2	45
		Exhaust T- 6042	4 1/16	4 7/8	1/2	45
21	LVG Threaded Seat					
	Int. OEM #1W22055	Intake T- 6101	4 5/16	5.890	1 1/4	45/R
	Exh. OEM #1W31961, 1W9200	Exhaust T- 6102	4 1/16	5.750	1 5/16	45/R
22	PKVG - Old Style					
	Int. OEM #1W30792	Intake T- 4006	4 5/16	5 7/16	1 3/8	45
	Exh. OEM #1W30791	Exhaust T- 4106	4 1/16	5 3/16	1 3/8	45
23	PKVG - New Style					
	Int. OEM #1W30792	Intake T- 4006	4 5/16	5 7/16	1 3/8	45
	Exh. OEM #1W55371	Exhaust T- 4107	4 1/16	4 13/16	1 3/4	45
24	PKVG - Threaded Seat					
	Int. OEM #1W22055	Intake T- 6101	4 5/16	5.890	1 1/4	45/R
	Exh. OEM #1W31961, 1W9200	Exhaust T- 6102	4 1/16	5.750	1 5/16	45/R

INGERSOLL-RAND

		Part No.	ID	OD	Depth	Ang.
25	PKVR					
	Int. OEM #1W102030	Intake T- 6518	5 1/2	6 1/2	3/4	30
	Exh. OEM #1W83508	Exhaust T- 6519	3 1/2	4.3785	1.249	30/R
26	PKVT - 3 Valve					
	Int. OEM #1W51259A	Intake T- 6521	5 1/2	6 1/2	11/16	30
	Exh. OEM #1W56691A	Exhaust T- 6501	3 3/4	4 1/2	1 1/4	30
27	PKVT - 4 Valve					
	OEM #1W56691A	Intake T- 6501	3 3/4	4 1/2	1 1/4	30
		Exhaust T- 6501	3 3/4	4 1/2	1 1/4	30
28	PSVG					
	OEM #1W25213	Intake T- 2152	3 5/16	4 5/16	1 1/8	45
		Exhaust T- 2152	3 5/16	4 5/16	1 1/8	45
29	PVG - Threaded Seat					
	OEM #1W23755A, W4661P3	Intake T- 6100	3 1/16	4 7/16	1 1/32	45/R
		Exhaust T- 6100	3 1/16	4 7/16	1 1/32	45/R
30	PVG To Rep. Threaded Seat					
		Intake T- 6510	3 1/16	4 1/2	1 1/8	45
		Alt-Int T- 2101	3 1/16	4	1	45
	Alt. Int. & Exh. OEM#2NG-57	Exhaust T- 6510	3 1/16	4 1/2	1 1/8	45
		Alt-Exh T- 2101	3 1/16	4	1	45
31	SVG					
	OEM #1W25213	Intake T- 2152	3 5/16	4 5/16	1 1/8	45
		Exhaust T- 2152	3 5/16	4 5/16	1 1/8	45
32	SVS					
	Int. OEM #1W54660B	Intake T- 2228	4	4.878	.562	30
	Exh. OEM #1W54659B	Exhaust T- 2229	4	4.878	1.250	45
33	SVS - Fuel Inj. Seat					
	OEM #1W106824	Intake T- 9305	1	2.238	11/16	45/C
34	SVS FUEL INJECTION/ CLEAN BURN					
	OEM #1W106824B	Intake T- 9306	1	2.238	13/16	45/C
35	TRA FUEL INJECTION SEAT					
	OEM #R78677Y	Intake Q- 3719	1.312	2.339	3.719	45

INGERSOLL-RAND

		Part No.	ID	OD	Depth	Ang.
36	TVR					
	Int. OEM #1W54660A	Intake T- 6515	3 1/2	4 1/4	9/16	30
	Exh. OEM #1W54659A	Exhaust T- 6516	3 1/2	4 1/8	1 1/4	45
37	TVS					
	Int. OEM #1W54660A	Intake T- 6515	3 1/2	4 1/4	9/16	30
	Exh. OEM #1W54659A	Exhaust T- 6516	3 1/2	4 1/8	1 1/4	45
38	TVS Fuel Injection Seat					
	OEM #1W65178	Intake T- 5178	1	2.988	2.060	45/C
39	XVG - Threaded Seat					
	OEM #1W23755A, W4661P3	Intake T- 6100	3 1/16	4 7/16	1 1/32	45/R
		Exhaust T- 6100	3 1/16	4 7/16	1 1/32	45/R
40	XVG Air Check Valve Insert					
		Intake T- 214	1 1/16	1 5/16	3/16	45
41	XVG To Rep. Threaded Seat					
		Intake T- 6510	3 1/16	4 1/2	1 1/8	45
		Exhaust T- 6510	3 1/16	4 1/2	1 1/8	45
42	XVG To Rep. Threaded Seat					
	OEM #2NG-57	Intake T- 2101	3 1/16	4	1	45
		Exhaust T- 2101	3 1/16	4	1	45

INTERNATIONAL INDUSTRIAL & TRACTOR

		Part No.	ID	OD	Depth	Ang.
1	Wisconsin TH & V Series					
	54 ci 0.9 L	Intake T- 695	1.150	1.380	.265	0/R
	2	Exhaust T- 695	1.150	1.380	.265	0/R
2	C60, U-1, UC-60 8 Valve					
	60 ci 1 L	Intake T- 201	1	1 3/16	3/16	45
	4	Exhaust T- 110	3/4	1	3/16	45
3	Wisconsin VG & VH Series					
	108 ci 1.8 L	Intake T- 695	1.150	1.380	.265	0/R
	4	Exhaust T- 695	1.150	1.380	.265	0/R
4	C113 8 Valve					
	113 ci 1.8 L	Intake T- 239	1 3/16	1 7/16	7/32	45
	4	Exh. w 1.156 VI. Hd.				
		Exhaust T- 201	1	1 3/16	3/16	45
		Alt-Exh. w 1.218 VI. Hd., .188 depth				
		Alt-Exh T- 214	1 1/16	1 5/16	3/16	45

INTERNATIONAL INDUSTRIAL & TRACTOR

		Part No.	ID	OD	Depth	Ang.
5 C123 Gas						
123 ci	2 L	before Serial #36000 Alt. Exh. w 1.218 VI. Hd., .188 depth	Intake T- 239	1 3/16	1 7/16	7/32 45
4			Exhaust T- 201	1	1 3/16	3/16 45
			Alt-Exh T- 214	1 1/16	1 5/16	3/16 45
6 C123, U123 Series						
123 ci	2 L	Incl. LPG, Propane, Natural Gas after serial #36000	Intake T- 952	1 3/8	1 5/8	7/32 45
4			Exhaust T- 239	1 3/16	1 7/16	7/32 45
7 C135 Early & Late						
135 ci	2.2 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4			Exhaust T- 239	1 3/16	1 7/16	7/32 45
8 C146						
146 ci	2.4 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4			Exhaust T- 239	1 3/16	1 7/16	7/32 45
9 C152						
152 ci	2.5 L		Intake T- 929	1 5/16	1 9/16	7/32 45
4			Exhaust T- 264	1 1/4	1 7/16	7/32 45
			Alt-Exh T- 272	1 1/4	1 1/2	1/4 45
10 C153						
153 ci	2.5 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4			Exhaust T- 239	1 3/16	1 7/16	7/32 45
11 D155 Neuss Diesel						
155 ci	2.5 L		Intake T- 984	1 7/16	1 3/4	1/4 45
3			Exhaust T- 976	1 13/32	1 11/16	1/4 45
12 C157						
157 ci	2.6 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4			Exhaust T- 928	1 5/16	1 9/16	7/32 30
13 C164						
164 ci	2.7 L		Intake T- 929	1 5/16	1 9/16	7/32 45
4			Exhaust T- 264	1 1/4	1 7/16	7/32 45
			Alt-Exh T- 272	1 1/4	1 1/2	1/4 45

INTERNATIONAL INDUSTRIAL & TRACTOR

		Part No.	ID	OD	Depth	Ang.
14 D166 Diesel						
166 ci	2.7 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4			Exhaust T- 223	1 1/8	1 3/8	7/32 45
15 C169						
169 ci	2.8 L	Int. w 1.500 VI. Hd.	Intake T- 952	1 3/8	1 5/8	7/32 45
4		Alt. Int. w 1.781 VI. Hd., .218 depth	Alt-Int T- 1626	1 5/8	1 7/8	7/32 45
		Exh. w 1.375 VI. Hd.	Exhaust T- 271	1 1/4	1 1/2	7/32 45
		Alt. Exh. w 1.516 VI. Hd., .218 depth	Alt-Exh T- 929	1 5/16	1 9/16	7/32 45
16 C175 (3 9/16" Bore)						
175 ci	2.8 L	Int. w 1.781 VI. Hd.	Intake T- 1626	1 5/8	1 7/8	7/32 45
6		Exh. w 1.516 VI. Hd.	Exhaust T- 928	1 5/16	1 9/16	7/32 30
17 C175 (3 5/8" Bore)						
175 ci	2.8 L		Intake T- 934	1 5/16	1 5/8	7/32 45
4			Exhaust T- 272	1 1/4	1 1/2	1/4 45
18 D179 Neuss Diesel						
179 ci	2.9 L		Intake T- 984	1 7/16	1 3/4	1/4 45
3			Exhaust T- 976	1 13/32	1 11/16	1/4 45
19 D179 Diesel						
179 ci	2.9 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
6		Alt. Int. w 1.652 VI. Hd., .218 depth	Alt-Int T- 981	1 7/16	1 11/16	7/32 45
			Exhaust T- 879	1 5/16	1.657	.395 45/R
20 D188 Diesel						
188 ci	3.1 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4			Exhaust T- 223	1 1/8	1 3/8	7/32 45
21 F20 Continental D 193						
193 ci	3.2 L		Intake T- 1620	1 9/16	1 7/8	1/4 45
4			Exhaust T- 1620	1 9/16	1 7/8	1/4 45
22 C200						
200 ci	3.3 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4			Exhaust T- 928	1 5/16	1 9/16	7/32 30
23 D206 Neuss Diesel						
206 ci	3.4 L		Intake T- 984	1 7/16	1 3/4	1/4 45
4			Exhaust T- 976	1 13/32	1 11/16	1/4 45

INTERNATIONAL INDUSTRIAL & TRACTOR

		Part No.	ID	OD	Depth	Ang.
24 C221 12 Valve						
221 ci	3.6 L	Int. w 1.656 VI. Hd.	Intake T- 982	1 7/16	1 11/16	1/4 45
6		Alt. Int. w 1.781 VI. Hd., .218 depth	Alt-Int T- 1626	1 5/8	1 7/8	7/32 45
			Exhaust T- 928	1 5/16	1 9/16	7/32 30
25 C221 12 Valve (Alt)						
221 ci	3.6 L	Alt. Int. w 1.656 VI. Hd., .218 depth	Intake T- 397	1 3/8	1 11/16	7/32 45/R
6			Exhaust T- 928	1 5/16	1 9/16	7/32 30
26 232 12 Valve						
232 ci	3.8 L		Intake T- 1627	1 5/8	1 7/8	1/4 45
6			Exhaust T- 271	1 1/4	1 1/2	7/32 45
27 D236 Diesel 12 Valve (Late)						
236 ci	3.9 L	Int. w 1.652 VI. Hd.	Intake T- 981	1 7/16	1 11/16	7/32 45
6		Alt. Int. w 1.679 VI. Hd., .218 depth	Alt-Int T- 986	1 1/2	1 3/4	7/32 45
		Alt. Exh. w 1.375 VI. Hd., .250 depth	Exhaust T- 223	1 1/8	1 3/8	7/32 45
			Alt-Exh T- 272	1 1/4	1 1/2	1/4 45
28 D239 Neuss Diesel						
239 ci	3.9 L		Intake T- 984	1 7/16	1 3/4	1/4 45
4			Exhaust T- 976	1 13/32	1 11/16	1/4 45
29 D239 Diesel						
239 ci	3.9 L		Intake T- 1624	1 19/32	1 7/8	1/4 45
4			Exhaust T- 879	1 5/16	1.657	.395 45/R
30 D246 Neuss Diesel Engine						
246 ci	4 L		Intake T- 984	1 7/16	1 3/4	1/4 45
4			Exhaust T- 976	1 13/32	1 11/16	1/4 45
31 C248 Gas						
248 ci	4 L	6 Series	Intake T- 1627	1 5/8	1 7/8	1/4 45
4			Exhaust T- 1602	1 7/16	1 13/16	1/4 45
32 D248 Diesel						
248 ci	4.1 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4			Exhaust T- 929	1 5/16	1 9/16	7/32 45

INTERNATIONAL INDUSTRIAL & TRACTOR

		Part No.	ID	OD	Depth	Ang.	
33 C263 12 Valve							
263 ci	4.3 L	Int. w 1.781 VI. Hd. Alt. Int. w 1.656 VI. Hd. Exh. w 1.516 VI. Hd.	Intake T- 1626	1 5/8	1 7/8	7/32	45
6			Alt-Int T- 982	1 7/16	1 11/16	1/4	45
			Exhaust T- 928	1 5/16	1 9/16	7/32	30
34 BD264							
264 ci	4.3 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
6			Exhaust T- 928	1 5/16	1 9/16	7/32	30
35 C264 Gas & LPG							
264 ci	4.3 L		Intake T- 1627	1 5/8	1 7/8	1/4	45
4			Exhaust T- 1602	1 7/16	1 13/16	1/4	45
36 D264 Diesel							
264 ci	4.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4			Exhaust T- 929	1 5/16	1 9/16	7/32	45
37 D268 Neuss Diesel Engine							
268 ci	4.4 L		Intake T- 984	1 7/16	1 3/4	1/4	45
4			Exhaust T- 976	1 13/32	1 11/16	1/4	45
38 C281 Gas 450, W450							
281 ci	4.6 L		Intake T- 1627	1 5/8	1 7/8	1/4	45
4			Exhaust T- 1602	1 7/16	1 13/16	1/4	45
39 D281 Diesel							
281 ci	4.6 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4			Exhaust T- 929	1 5/16	1 9/16	7/32	45
40 C282 Gas & LPG 12 Valve							
282 ci	4.6 L	Int. w 1.656 VI. Hd. Alt. Int. w 1.656 VI. Hd., .250 depth Exh. w 1.516 VI. Hd.	Intake T- 981	1 7/16	1 11/16	7/32	45
6			Alt-Int T- 982	1 7/16	1 11/16	1/4	45
			Exhaust T- 928	1 5/16	1 9/16	7/32	30
41 C282 Gas & LPG 12 Valve (Alt)							
282 ci	4.6 L	Int. OEM #151255 Int. w 1.781 VI. Hd., .218 depth	Intake T- 1626	1 5/8	1 7/8	7/32	45
6			Exhaust T- 928	1 5/16	1 9/16	7/32	30

INTERNATIONAL INDUSTRIAL & TRACTOR

		Part No.	ID	OD	Depth	Ang.
42 D282, DT282 Diesel 12 Valve						
282 ci	4.6 L	Int. w. 1.652 VI. Hd. Alt. Int. w 1.679 VI. Hd., .218 depth Alt. Exh. w 1.375 VI. Hd., .250 depth	Intake T- 981	1 7/16	1 11/16	7/32 45
6	Alt-Int T- 986		1 1/2	1 3/4	7/32 45	
	Exhaust T- 223		1 1/8	1 3/8	7/32 45	
	Alt-Exh T- 272		1 1/4	1 1/2	1/4 45	
43 C291 12 Valve						
291 ci	4.8 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
6			Exhaust T- 928	1 5/16	1 9/16	7/32 30
44 C301 Gas & LP 12 Valve						
301 ci	4.9 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
6			Exhaust T- 928	1 5/16	1 9/16	7/32 30
45 D301 Diesel 12 Valve						
301 ci	4.9 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6			Exhaust T- 272	1 1/4	1 1/2	1/4 45
46 V304						
304 ci	5 L		Intake T- 345	1 53/64	2.015	3/16 45
8			Exhaust T- 1864	1.446	1.678	5/16 45
47 D310 Neuss Diesel						
310 ci	5.1 L		Intake T- 984	1 7/16	1 3/4	1/4 45
6			Exhaust T- 976	1 13/32	1 11/16	1/4 45
48 D310 Diesel						
310 ci	5.1 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
6			Alt-Int T- 981	1 7/16	1 11/16	7/32 45
			Exhaust T- 879	1 5/16	1.657	.395 45/R
49 312 Diesel 12 Valve						
312 ci	5.1 L	Int. OEM #671602C1, 675441C Exh. OEM #671599C1, 675576C1	Intake T- 2132	1 1/2	1.7825	11/32 30
6			Exhaust T- 2362	1 1/4	1.536	.358 45/R
50 C335 Gas						
335 ci	5.5 L		Intake T- 1755	1 7/8	2 1/4	9/32 45
4			Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1941	1 11/16	2	9/32 45
			Alt-Exh T- 1946	1 11/16	2 1/16	9/32 45

INTERNATIONAL INDUSTRIAL & TRACTOR

		Part No.	ID	OD	Depth	Ang.
51 D335 Diesel						
335 ci	5.5 L		Intake T- 1941	1 11/16	2	9/32 45
4			Exhaust T- 982	1 7/16	1 11/16	1/4 45
52 V345						
345 ci	5.6 L		Intake T- 345	1 53/64	2.015	3/16 45
8			Exhaust T- 1864	1.446	1.678	5/16 45
53 C350 Gas						
350 ci	5.7 L		Intake T- 1755	1 7/8	2 1/4	9/32 45
4			Alt-Int T- 1759	1 15/16	2 1/4	3/16 45
			Exhaust T- 1941	1 11/16	2	9/32 45
			Alt-Exh T- 1946	1 11/16	2 1/16	9/32 45
54 D350 Diesel						
350 ci	5.7 L		Intake T- 1941	1 11/16	2	9/32 45
4			Exhaust T- 982	1 7/16	1 11/16	1/4 45
55 Neuss Diesel						
358 ci	5.9 L		Intake T- 984	1 7/16	1 3/4	1/4 45
6			Exhaust T- 976	1 13/32	1 11/16	1/4 45
56 D358 Diesel						
358 ci	5.9 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
6			Alt-Int T- 981	1 7/16	1 11/16	7/32 45
			Exhaust T- 879	1 5/16	1.657	.395 45/R
57 D360 Diesel, DT360 Turbo Diesel 12 Valve						
360 ci	5.9 L	Int. OEM #671602C1, 675441C	Intake T- 2132	1 1/2	1.7825	11/32 30
6		Exh. OEM #671599C1, 675576C1	Exhaust T- 2362	1 1/4	1.536	.358 45/R
58 D361 Diesel & DT361 Turbo Diesel 12 Valve						
361 ci	5.9 L		Intake T- 325	1 3/4	2	5/16 45
6			Exhaust T- 879	1 5/16	1.657	.395 45/R
59 V392						
392 ci	6.4 L		Intake T- 1790	1 15/16	2 1/8	3/16 45
8			Exhaust T- 1890	1 9/16	1.805	5/16 45

INTERNATIONAL INDUSTRIAL & TRACTOR

		Part No.	ID	OD	Depth	Ang.
60	D407 Diesel & DT407 Turbo Diesel 12 Valve					
407 ci	6.7 L					
6		Intake T- 301	1 3/4	2	7/32	45
		Alt-Int T- 325	1 3/4	2	5/16	45
		Exhaust T- 879	1 5/16	1.657	.395	45/R
61	D414 Diesel & DT414 Turbo Diesel 12 Valve					
414 ci	6.8 L					
6		Intake T- 1892	1 23/32	2	.386	30/R
		Exhaust T- 1887	1 11/32	1 5/8	.365	45/R
62	D436 Diesel & DT436 Turbo Diesel 12 Valve					
436 ci	7.1 L					
6		Intake T- 1892	1 23/32	2	.386	30/R
		Exhaust T- 1887	1 11/32	1 5/8	.365	45/R
63	D461 Diesel					
461 ci	7.5 L					
4		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 1627	1 5/8	1 7/8	1/4	45
		Alt. Exh. w 1.750 VI. Hd., .250 depth	Alt-Exh T- 1620	1 9/16	1 7/8	1/4
64	D466 Diesel & DT466, DT466B, DTI466B Turbo Diesel					
466 ci	7.6 L	12 Valve				
6		Intake T- 1892	1 23/32	2	.386	30/R
		Exhaust T- 1887	1 11/32	1 5/8	.365	45/R
66	D525 Diesel					
525 ci	8.6 L					
6		Intake T- 1941	1 11/16	2	9/32	45
		Exhaust T- 982	1 7/16	1 11/16	1/4	45
67	D554 Diesel					
554 ci	9.1 L					
6		Intake T- 1941	1 11/16	2	9/32	45
		Exhaust T- 982	1 7/16	1 11/16	1/4	45
68	D691 Diesel					
691 ci	11.3 L					
6		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 1627	1 5/8	1 7/8	1/4	45
		Alt. Exh. w 1.750 VI. Hd., .250 depth	Alt-Exh T- 1620	1 9/16	1 7/8	1/4

ISUZU

		Part No.	ID	OD	Depth	Ang.	
1 SOHC 4XC1, 4XC1T Turbo							
1471 cc	1.5 L		Intake T- 531	1 3/16	1 9/16	.305	45/R
4	1985-91		Exhaust T- 191	1.060	1 5/16	.280	45/R
2 SOHC 12 Valve 4XE1, RLR							
1588 cc	1.6 L		Intake T- 385	1.060	1 3/8	.280	45/R
4	1991-93		Exhaust T- 137	.934	1 3/16	.257	45/R
3 DOHC 16 Valve 4XE1W, 4XE1WT Turbo & RLX							
1588 cc	1.6 L		Intake T- 362	1.060	1 5/16	.240	45/R
4	1989-92		Exhaust T- 137	.934	1 3/16	.257	45/R
4 DOHC 16 Valve 4XF1, FLX, RLX							
1809 cc	1.8 L		Intake T- 362	1.060	1 5/16	.240	45/R
4	1992-93		Exhaust T- 137	.934	1 3/16	.257	45/R
5 SOHC 4FB1 Diesel 8 Valve							
1817 cc	1.8 L		Intake T- 877	1.305	1 5/8	.227	45/R
4	1981-86		Exhaust T- 535	1.100	1 7/16	.227	45/R
6 SOHC 8 Valve G180Z							
1817 cc	1.8 L		Intake T- 338	1.323	1 3/4	.280	45/R
4	1981-84		Exhaust T- 339	1.203	1 1/2	.280	45/R
7 SOHC 8 Valve G200Z Carb.							
1949 cc	1.9 L		Intake T- 338	1.323	1 3/4	.280	45/R
4	1983-87		Exhaust T- 339	1.203	1 1/2	.280	45/R
8 SOHC 8 Valve G200Z F.I.							
1949 cc	1.9 L		Intake T- 457	1.410	1 3/4	.279	45/R
4	1983-87	Alt. Int. w 1.560 VI. Hd.	Alt-Int T- 338	1.323	1 3/4	.280	45/R
			Exhaust T- 339	1.203	1 1/2	.280	45/R
9 SOHC 8 Valve 4ZC1 Turbo							
1994 cc	2 L		Intake T- 457	1.410	1 3/4	.279	45/R
4	1985-89		Exhaust T- 354	1.260	1 9/16	.280	45/R
10 OHV 8 Valve "GM"							
2180 cc	2.2 L		Intake T- 2031	1 1/2	1 13/16	.278	45/R
4	1996-00		Exhaust T- 354	1.260	1 9/16	.280	45/R
11 SOHC 8 Valve C223 Diesel							
2238 cc	2.2 L		Intake T- 341	1.335	1 5/8	.240	45/R
4	1982-87		Exhaust T- 342	1.100	1 7/16	.240	45/R

ISUZU

		Part No.	ID	OD	Depth	Ang.
12 SOHC C223T Vin Type U Turbo Diesel						
2238 cc	2.2 L		Intake T- 341	1.335	1 5/8	.240 45/R
4	1986-91		Exhaust T- 547	1.085	1 3/8	.236 45/R
13 4BD1T & 4BD2T industrial						
137 ci	2.2 L		Intake T- 2142	1.609	1.8545	.277 45/R
4			Exhaust T- 665	1.297	1.5395	.275 45
14 SOHC 8 Valve 4ZD1 Carb.						
2254 cc	2.3 L		Intake T- 457	1.410	1 3/4	.279 45/R
4	1986-95	Alt. Int. & Exh. w 1/32 x 1/32 O.D. T-Locks	Alt-Int T- 1919	1 7/16	1 13/16	5/16 45PA
			Exhaust T- 354	1.260	1 9/16	.280 45/R
			Alt-Exh T- 1062	1 1/4	1 5/8	5/16 45PA
15 SOHC 8 Valve 4ZD1 F.I.						
2254 cc	2.3 L		Intake T- 423	1.530	1 13/16	.305 45/R
4	1988-95		Exhaust T- 936	1 5/16	1 5/8	9/32 45
16 C240 Forklift						
2369 cc	2.4 L	145 ci	Intake T- 341	1.335	1 5/8	.240 45/R
4			Exhaust T- 342	1.100	1 7/16	.240 45/R
17 4ZO1 SOHC						
2544 cc	2.5 L		Intake T- 423	1.530	1 13/16	.305 45/R
4	1986-92		Exhaust T- 936	1 5/16	1 5/8	9/32 45
18 SOHC 8 Valve 4ZE1						
2559 cc	2.6 L		Intake T- 423	1.530	1 13/16	.305 45/R
4	1988-97	Alt Int. & Exh. w 1/32 x 1/32 O.D. T-Locks	Alt-Int T- 1919	1 7/16	1 13/16	5/16 45PA
			Exhaust T- 936	1 5/16	1 5/8	9/32 45
			Alt-Exh T- 1062	1 1/4	1 5/8	5/16 45PA
19 OHV 12 Valve GM LL2						
2827 cc	2.8 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1989-91		Exhaust T- 271	1 1/4	1 1/2	7/32 45
20 6BG1 industrial						
182 ci	3 L		Intake T- 2142	1.609	1.8545	.277 45/R
6			Exhaust T- 665	1.297	1.5395	.275 45
21 OHC 12 Valve GM CPC						
3137 cc	3.1 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1991-94		Exhaust T- 271	1 1/4	1 1/2	7/32 45

ISUZU

			Part No.	ID	OD	Depth	Ang.
22 SOHC 24 Valve 6VD1							
3165 cc	3.2 L		Intake T- 1685	1 3/16	1 7/16	1/4	45/R
6	1992-97		Exhaust T- 2868	1.020	1 5/16	.258	45
23 DOHC 24 Valve 6VD1							
3165 cc	3.2 L		Intake T- 1685	1 3/16	1 7/16	1/4	45/R
6	1992-04		Exhaust T- 2868	1.020	1 5/16	.258	45
24 6BD1T & 6BD2T industrial							
235 ci	3.9 L		Intake T- 2142	1.609	1.8545	.277	45/R
6			Exhaust T- 665	1.297	1.5395	.275	45
25 OHV 16 Valve "GM Vortec"							
5328 cc	5.3 L	323 ci	Intake T- 2177	1 3/4	2 1/16	.420	45
8	2003-06		Exhaust T- 577	1.335	1 5/8	.420	45/R
26 6SA1T & 6SA1TC Industrial							
513 ci	8.4 L	Int. & Exh. For 210 H.P.	Intake T- 2497	1.730	1.973	1/4	
6		Alt. Int. & Exh. For 200 H.P.	Alt-Int T- 2498	1 11/16	1.973	.394	
			Exhaust T- 2482	1 9/16	1.894	1/4	45
			Alt-Exh T- 2483	1 9/16	1.894	.375	
27 6SD1 Industrial							
			Intake T- 2492	1 13/16	2.052	1/4	45
			Exhaust T- 2482	1 9/16	1.894	1/4	45

JAGUAR

			Part No.	ID	OD	Depth	Ang.
1 DOHC Mark Series							
2483 cc	2.5 L		Intake T- 2937	1.380	1.819	.405	45/R
6	1951-60		Exhaust T- 2938	1.260	1.632	.395	45/R
2 DOHC Jaguar Mark 1,2,7,8							
2483 cc	2.5 L		Intake T- 2037	1 1/2	1 7/8	3/8	45/R
6	1959-69		Exhaust T- 2038	1 3/8	1 3/4	3/8	45/R
3 DOHC Mark Series							
3442 cc	3.4 L		Intake T- 2937	1.380	1.819	.405	45/R
6	1951-60		Exhaust T- 2938	1.260	1.632	.395	45/R
4 DOHC Mark Series							
3442 cc	3.4 L		Intake T- 2037	1 1/2	1 7/8	3/8	45/R
6	1960-69		Exhaust T- 2038	1 3/8	1 3/4	3/8	45/R

JAGUAR

		Part No.	ID	OD	Depth	Ang.
5 DOHC 24 Valve Sovereign, Vanden Plas, XJ6, XJS						
3590 cc	3.6 L		Intake T- 548	1.215	1 1/2	.275 45/R
6	1987-91		Exhaust T- 385	1.060	1 3/8	.280 45/R
6 DOHC 12 valve IX, X, XKE, XK150, XK150S						
3781 cc	3.8 L		Intake T- 2037	1 1/2	1 7/8	3/8 45/R
6	1959-67		Exhaust T- 2038	1 3/8	1 3/4	3/8 45/R
7 DOHC 24 valve Sovereign, Vanden Plas, XJ6, XJS						
3980 cc	4 L		Intake T- 548	1.215	1 1/2	.275 45/R
6	1990-03		Exhaust T- 385	1.060	1 3/8	.280 45/R
8 DOHC MK, Sovereign, Vanden Plas, XJ6, XJS, XKE						
4235 cc	4.2 L		Intake T- 2037	1 1/2	1 7/8	3/8 45/R
6	1964-79		Exhaust T- 2038	1 3/8	1 3/4	3/8 45/R
9 DOHC MK, Sovereign, Vanden Plas, XJ6, XKE						
4235 cc	4.2 L		Intake T- 1723	1 5/8	2	.368 45/R
6	1980-87		Alt-Int T- 2037	1 1/2	1 7/8	3/8 45/R
			Exhaust T- 2038	1 3/8	1 3/4	3/8 45/R
10 5.3 LTR - Up To 1982						
5300 cc	5.3 L		Intake T- 1983	1.410	1.757	.320 45/R
12	1971-81		Exhaust T- 640	1 3/16	1 1/2	5/16 45/R
11 SOHC V-12 XJS, XJ12, XKE						
5343 cc	5.3 L		Intake T- 1983	1.410	1.757	.320 45/R
12	1971-81		Exhaust T- 1785	1 1/4	1 1/2	5/16 ---
12 SOHC V-12 XJS, XJ12, XKE						
5343 cc	5.3 L		Intake T- 1983	1.410	1.757	.320 45/R
12	1982-92		Exhaust T- 549	1.200	1 9/16	.293 45/R
13 SOHC						
5990 cc	6 L		Intake T- 1983	1.410	1.757	.320 45/R
12	1994-96		Exhaust T- 549	1.200	1 9/16	.293 45/R
14 SOHC V-12 XJ12, XJS						
5994 cc	6 L		Intake T- 1983	1.410	1.757	.320 45/R
12	1994-95		Exhaust T- 549	1.200	1 9/16	.293 45/R

Jeep (also See American Motors)

		Part No.	ID	OD	Depth	Ang.
1 Turbo Diesel						
2100 cc	2.1 L					
4	1984-87	Intake T- 518	1.200	1 7/16	.297	45
		Exhaust T- 519	1.450	1 11/16	.297	45
2 134 F Head						
134 ci	2.2 L					
4	1950-73	Intake T- 318	1 13/16	2 1/8	1/4	45
		Exhaust T- 939	1 5/16	1 9/16	1/4	45
3 134 L Head						
134 ci	L					
	1941-65	Intake T- 952	1 3/8	1 5/8	7/32	45
		Exhaust T- 929	1 5/16	1 9/16	7/32	45
4 150 AMC						
150 ci	2.5 L					
4	1983-91	Intake T- 301	1 3/4	2	7/32	45
		Exhaust T- 929	1 5/16	1 9/16	7/32	45
5 151 GM						
151 ci	2.5 L					
4	1980-81	Intake T- 1616	1 9/16	1 13/16	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
6 161 F Head						
161 ci	2.6 L					
6	1950-64	Intake T- 1616	1 9/16	1 13/16	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
7 161 L Head						
161 ci	2.6 L					
6	1951-54	Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
8 173						
173 ci	2.8 L					
6	1984-90	Intake T- 981	1 7/16	1 11/16	7/32	45
		Exhaust T- 239	1 3/16	1 7/16	7/32	45
9 226 Cont.						
226 ci	3.7 L					
6	1954-65	Intake T- 952	1 3/8	1 5/8	7/32	45
		Exhaust T- 239	1 3/16	1 7/16	7/32	45
10 225 Buick						
225 ci	3.7 L					
6	1966-72	Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 239	1 3/16	1 7/16	7/32	45
11 230 OHC						
230 ci	3.8 L					
6	1962-68	Intake T- 301	1 3/4	2	7/32	45
		Exhaust T- 984	1 7/16	1 3/4	1/4	45
12 258 AMC						
258 ci	4.2 L					
6	1967-83	Intake T- 1612	1 1/2	1 7/8	7/32	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45

Jeep (also See American Motors)

		Part No.	ID	OD	Depth	Ang.
13	304					
304 ci	5 L					
8	1971-83	Intake T- 1627	1 5/8	1 7/8	1/4	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45
14	350					
350 ci	5.7 L					
8	1968-71	Intake T- 301	1 3/4	2	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
15	360					
360 ci	5.9 L					
8	1971-91	Intake T- 318	1 13/16	2 1/8	1/4	45
		Exhaust T- 983	1 7/16	1 3/4	7/32	45
16	401					
401 ci	6.6 L					
8	1971-91	Intake T- 318	1 13/16	2 1/8	1/4	45
		Exhaust T- 983	1 7/16	1 3/4	7/32	45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
1	4DT					
2	1947-60	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
2	12A Combine, L, LA, Li, LUC					
		Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
3	TF, TFD, TJD, TH, THD Wisconsin Series					
54 ci	0.9 L	Intake T- 695	1.150	1.380	.265	0/R
2	1956-73	Exhaust T- 695	1.150	1.380	.265	0/R
4	Gas M, M40					
100 ci	1.6 L	Intake T- 1610	1 1/2	1 13/16	1/4	45
2	1947-60	Exhaust T- 952	1 3/8	1 5/8	7/32	45
5	50					
190 ci	3.1 L	Intake T- 1620	1 9/16	1 7/8	1/4	45
2	1947-52	Exhaust T- 952	1 3/8	1 5/8	7/32	45
6	55 Gas & LPG					
217 ci	3.6 L	Intake T- 981	1 7/16	1 11/16	7/32	45
6	1966-75	Exhaust T- 239	1 3/16	1 7/16	7/32	45
7	55 Diesel					
	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
	1966-75	Exhaust T- 960	1 3/8	1 11/16	7/32	45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
8 65 Gas & LPG						
217 ci	3.6 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1966-75		Exhaust T- 239	1 3/16	1 7/16	7/32 45
9 95 Gas & LPG						
217 ci	3.6 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1966-75		Exhaust T- 239	1 3/16	1 7/16	7/32 45
10 95LL Diesel						
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
11 105 Diesel to Ser. #245756						
			Intake T- 1633	1 11/16	1 15/16	1/4 45
6			Exhaust T- 987	1 1/2	1 3/4	1/4 45
12 1-105 Combine						
301 ci	4.9 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1961-71		Exhaust T- 929	1 5/16	1 9/16	7/32 45
13 113 Series Gas, 420, 430, 440						
113 ci	1.9 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
2	1956-60		Exhaust T- 952	1 3/8	1 5/8	7/32 45
14 Series IXA, IXB Hercules						
113 ci	1.9 L	No. 6 (6-10" cut), No. 7(6-10" cut)	Intake T- 271	1 1/4	1 1/2	7/32 45
2	1947-60		Exhaust T- 222	1 1/8	1 3/8	3/16 45
15 1010 Series 115, JD115 Gas						
115 ci	1.9 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1961-71		Exhaust T- 239	1 3/16	1 7/16	7/32 45
16 135 Gas						
135 ci	2.2 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
3			Exhaust T- 939	1 5/16	1 9/16	1/4 45
17 45 Series, 145 Gas						
145 ci	2.4 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1961-71		Exhaust T- 239	1 3/16	1 7/16	7/32 45
18 145 Diesel, 1010 Diesel						
145 ci	2.4 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1961-71		Exhaust T- 239	1 3/16	1 7/16	7/32 45
19 152 Diesel						
152 ci	2.5 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
3	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
20 F162 Continental						
162 ci	2.6 L		Intake T- 952	1 3/8	1 5/8	7/32 45
4	1966-75		Exhaust T- 239	1 3/16	1 7/16	7/32 45
21 164 Gas & LPG						
164 ci	2.7 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
3	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
22 164 Diesel						
164 ci	2.7 L	Int. OEM #R73064	Intake T- 2137	1.608	1.8585	.209 30
3		Exh. OEM #R51734	Exhaust T- 632	1.412	1.6385	.218 45
23 HA165G Series Gas						
165 ci	2.7 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1961-71		Exhaust T- 239	1 3/16	1 7/16	7/32 45
24 HA165D-2010 Series Diesel						
165 ci	2.7 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1961-71		Exhaust T- 239	1 3/16	1 7/16	7/32 45
25 179D, 3179D Diesel						
179 ci	2.9 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
3	1966-75	Alt. Int. OEM #R73064	Alt-Int T- 2137	1.608	1.8585	.209 30
			Exhaust T- 960	1 3/8	1 11/16	7/32 45
		Alt. Exh. OEM #R51734	Alt-Exh T- 632	1.412	1.6385	.218 45
26 179T, 3179T Series Turbo Diesel						
179 ci	2.9 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
3	1966-75	Alt. Int. OEM#R73064	Alt-Int T- 2137	1.608	1.8585	.209 30
			Exhaust T- 960	1 3/8	1 11/16	7/32 45
		Alt. Exh. OEM#R51734	Alt-Exh T- 632	1.412	1.6385	.218 45
27 180 Gas						
180 ci	2.9 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
28 B						
190 ci	3.1 L		Intake T- 1620	1 9/16	1 7/8	1/4 45
2	1947-52		Exhaust T- 952	1 3/8	1 5/8	7/32 45
29 190 Series Gas & LPG						
190 ci	3.1 L		Intake T- 1620	1 9/16	1 7/8	1/4 45
2	1947-52		Exhaust T- 952	1 3/8	1 5/8	7/32 45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
30 190 Series Gas & LPG after 1957						
190 ci	3.1 L		Intake T- 987	1 1/2	1 3/4	1/4 45
2	1957-60		Exhaust T- 1074	1 1/4	1 33/64	1/4 45
31 201 Gas & LPG						
201 ci	3.3 L		Intake T- 986	1 1/2	1 3/4	7/32 45
4			Alt-Int T- 987	1 1/2	1 3/4	1/4 45
			Exhaust T- 939	1 5/16	1 9/16	1/4 45
			Alt-Exh T- 929	1 5/16	1 9/16	7/32 45
32 202						
202 ci	3.3 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
33 202 Diesel						
202 ci	3.3 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4	1966-75		Alt-Int T- 1616	1 9/16	1 13/16	7/32 45
			Exhaust T- 960	1 3/8	1 11/16	7/32 45
			Alt-Exh T- 939	1 5/16	1 9/16	1/4 45
34 217 Series Gas & LPG 12 Valve						
217 ci	3.6 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1952-58		Exhaust T- 239	1 3/16	1 7/16	7/32 45
35 219 Gas & LPG						
219 ci	3.6 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
36 219 Diesel						
219 ci	3.6 L	Int. OEM # R73064	Intake T- 2137	1.608	1.8585	.209 30
4		Exh. OEM # R51734	Exhaust T- 632	1.412	1.6385	.218 45
37 225 Series						
225 ci	3.7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6			Exhaust T- 239	1 3/16	1 7/16	7/32 45
38 227 Gas & LPG						
227 ci	3.7 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6			Exhaust T- 929	1 5/16	1 9/16	7/32 45
39 QXD Series Hercules						
230 ci	3.8 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6			Exhaust T- 271	1 1/4	1 1/2	7/32 45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
40 239D, 4239D Diesel						
239 ci	3.9 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
41 239D, 4239D Diesel OEM						
239 ci	3.9 L	Int. OEM #R73064	Intake T- 2137	1.608	1.8585	.209 30
4			Exh. OEM #R51734	Exhaust T- 632	1.412	1.6385
42 239T, 4239T Turbo Diesel						
239 ci	3.9 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4	1966-75		Alt. Int. OEM #R73064	Alt-Int T- 2137	1.608	1.8585
			Exhaust T- 960	1 3/8	1 11/16	7/32 45
		Alt. Exh. OEM #R51734	Alt-Exh T- 632	1.412	1.6385	.218 45
43 241 Gas & LPG						
241 ci	3.9 L		Intake T- 986	1 1/2	1 3/4	7/32 45
4			Exhaust T- 929	1 5/16	1 9/16	7/32 45
44 248 Series Gas & LPG						
248 ci	4.1 L		Intake T- 981	1 7/16	1 11/16	7/32 45
4	1961-71		Exhaust T- 239	1 3/16	1 7/16	7/32 45
45 248 Series Diesel						
248 ci	4.1 L		Intake T- 981	1 7/16	1 11/16	7/32 45
6	1961-71		Exhaust T- 239	1 3/16	1 7/16	7/32 45
47 276D, 276T, 4276D, 4276T Diesel, Turbo Diesel						
276 ci	4.5 L	Int. OEM #R73064	Intake T- 2137	1.608	1.8585	.209 30
4			Exh. OEM #R51734	Exhaust T- 632	1.412	1.6385
48 JXC Series Hercules						
282 ci	4.6 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6			Exhaust T- 952	1 3/8	1 5/8	7/32 45
49 JD300						
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
50 301 Gas 12 Valve						
301 ci	4.9 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1961-71		Exhaust T- 939	1 5/16	1 9/16	1/4 45
			Alt-Exh T- 929	1 5/16	1 9/16	7/32 45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
51	320 Series					
320 ci	5 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
2	1947-60		Exhaust T- 952	1 3/8	1 5/8	7/32 45
52	329 Diesel 12 Valve					
329 ci	5.4 L	Int. OEM #R73064	Intake T- 2137	1.608	1.8585	.209 30
6		Exh. OEM #R51734	Exhaust T- 632	1.412	1.6385	.218 45
53	330 Series					
101 ci	1.6 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
2	1947-60		Exhaust T- 952	1 3/8	1 5/8	7/32 45
54	340 Gas & LPG 12 Valve					
340 ci	5.6 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6			Exhaust T- 929	1 5/16	1 9/16	7/32 45
55	341, 4020, 6341 Series Gas & LPG					
341 ci	5.6 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1966-75		Exhaust T- 929	1 5/16	1 9/16	7/32 45
56	350					
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
57	JD350					
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
58	359D, 6359D Diesel 12 Valve					
359 ci	5.9 L	Int. OEM #R73064	Intake T- 2137	1.608	1.8585	.209 30
6		Exh. OEM #R51734	Exhaust T- 632	1.412	1.6385	.218 45
59	359T, 6359T Turbo Diesel 12 Valve					
359 ci	5.9 L	Int. OEM #R73064	Intake T- 2137	1.608	1.8585	.209 30
6		Exh. OEM #R51734	Exhaust T- 632	1.412	1.6385	.218 45
60	362, 6362 Series Gas & LPG 12 Valve					
362 ci	5.9 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1966-75		Exhaust T- 929	1 5/16	1 9/16	7/32 45
61	JD380					
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
62	381, 4010 Series Diesel 12 Valve					
381 ci	6.2 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1961-63		Exhaust T- 952	1 3/8	1 5/8	7/32 45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
63	JD400					
1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
64	404A, 404T, 6404A, 6404T Turbo & Intercool Diesel					
404 ci 6	6.6 L Alternate Intake	Intake T- 1633	1 11/16	1 15/16	1/4	45
		Alt-Int T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
65	404D, 6404D Series Diesel					
404 ci 6	6.6 L	Intake T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
66	404D, 404T, 6404D, 6404T Diesel & Turbo Diesel					
404 ci 6	6.6 L	Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
67	JD410					
1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
68	414D, 6414D Diesel 12 Valve					
414 ci 6	6.8 L Int. OEM #R73064 Exh. OEM #R51734	Intake T- 2137	1.608	1.8585	.209	30
		Exhaust T- 632	1.412	1.6385	.218	45
69	414T, 6414T Turbo Diesel 12 Valve					
414 ci 6	6.8 L Int. OEM #R73064 Exh. OEM #R51734	Intake T- 2137	1.608	1.8585	.209	30
		Exhaust T- 632	1.412	1.6385	.218	45
70	JD440					
1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
71	JD440A, B, C					
1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
72	450					
4 1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
73	JD450, B					
1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
74 466, 6466D Series Diesel 12 Valve						
466 ci	7.6 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
6	1977-85		Exhaust T- 495	1 1/2	1 3/4	7/32 30
			Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
75 466A, 6466A, 466T, 6466T Turbo & Intercool Diesel						
466 ci	7.6 L		Intake T- 495	1 1/2	1 3/4	7/32 30
6	1977-90		Alt-Int T- 986	1 1/2	1 3/4	7/32 45
			Exhaust T- 495	1 1/2	1 3/4	7/32 30
			Alt-Exh T- 986	1 1/2	1 3/4	7/32 45
76 JD480 - A, B						
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
1966-75			Exhaust T- 960	1 3/8	1 11/16	7/32 45
77 482						
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
78 499						
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
1966-75			Exhaust T- 960	1 3/8	1 11/16	7/32 45
79 JD500 up to #123113						
6			Intake T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 987	1 1/2	1 3/4	1/4 45
80 JD500 - A, B						
6			Intake T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 987	1 1/2	1 3/4	1/4 45
81 520						
190 ci	3.1 L		Intake T- 987	1 1/2	1 3/4	1/4 45
2	1957-60		Exhaust T- 1074	1 1/4	1 33/64	1/4 45
82 530						
190 ci	3.1 L		Intake T- 987	1 1/2	1 3/4	1/4 45
2	1957-60		Exhaust T- 1074	1 1/4	1 33/64	1/4 45
83 531, 6531D Diesel 12 Valve						
531 ci	8.7 L	Alternate Intake & Exhaust	Intake T- 839	2	2 1/4	9/32 45
6	1962-75		Alt-Int T- 1677	1.674	1 15/16	.276 45/R
			Exhaust T- 1935	1 11/16	1 15/16	9/32 45
			Alt-Exh T- 301	1 3/4	2	7/32 45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
84	531, 6531D Diesel 12 Valve OEM					
531 ci	8.7 L	Int. OEM #R41868	Intake T- 2755	1.960	2.2125	.250 45
6		Exh. OEM #R41869	Exhaust T- 2889	1.665	1.9195	.250 45
85	6531A Intercooled Turbo Diesel 12 Valve					
531 ci	8.7 L	Int. OEM #R48313, R59894	Intake T- 2733	1.705	2.136	.319 45/R
6		Exh. OEM #R48314, R60537	Exhaust T- 2874	1.616	1.991	.309 45/R
86	JD540, B					
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
1966-75			Exhaust T- 960	1 3/8	1 11/16	7/32 45
87	JD544 - A, B					
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
1966-75			Exhaust T- 960	1 3/8	1 11/16	7/32 45
88	JD555					
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
1966-75			Exhaust T- 960	1 3/8	1 11/16	7/32 45
89	JD570, A					
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
1966-75			Exhaust T- 960	1 3/8	1 11/16	7/32 45
90	JD600 up to #214999					
341 ci	5.6 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6			Exhaust T- 929	1 5/16	1 9/16	7/32 45
91	JD600 Diesel					
			Intake T- 1633	1 11/16	1 15/16	1/4 45
6			Exhaust T- 987	1 1/2	1 3/4	1/4 45
92	619, 6619A, 6619TA Turbo & Intercool Turbo Diesel					
619 ci	10.1 L	8630, 8640, 8650	Intake T- 321	1 7/8	2 1/8	1/4 45
6			Exhaust T- 301	1 3/4	2	7/32 45
93	619, 6101A Turbo Diesel 12 Valve "500 Series"					
619 ci	10.1 L	Int. OEM #R102860	Intake T- 2776	1.705	2.136	.295 30
6		Exh. OEM #R102859	Exhaust T- 2771	1.652	2.136	.310 37
95	JD640					
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
1966-75			Exhaust T- 960	1 3/8	1 11/16	7/32 45
96	JD644, A - up to #249298					
			Intake T- 1633	1 11/16	1 15/16	1/4 45
6			Exhaust T- 987	1 1/2	1 3/4	1/4 45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
97	JD644, A after #249499					
6		Intake T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
98	JD670					
	1966-75	Int. OEM #151255				
		Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
99	JD690 - up to #249298					
6		Intake T- 1633	1 11/16	1 15/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
100	JD690 after #249299					
6		Intake T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
101	JD690A up to #245546					
6		Intake T- 1633	1 11/16	1 15/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
102	JD690A after #245547					
6		Intake T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
103	699					
	1966-75	Int. OEM #151255				
		Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
104	JD700, JD760					
		Intake T- 839	2	2 1/4	9/32	45
		Exhaust T- 1935	1 11/16	1 15/16	9/32	45
105	JD743					
466 ci	7.6 L					
6	1977-90					
		Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 986	1 1/2	1 3/4	7/32	45
106	JD750					
	1966-75	Int. OEM #151255				
		Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
107	JD755					
	1966-75	Int. OEM #151255				
		Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
108	830					
	1966-75	Int. OEM #151255				
		Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
109	880					
1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
110	955 Turbo Diesel					
8		Intake T- 983	1 7/16	1 3/4	7/32	45
		Exhaust T- 986	1 1/2	1 3/4	7/32	45
111	1020					
1966-75		Intake T- 1616	1 9/16	1 13/16	7/32	45
		Exhaust T- 939	1 5/16	1 9/16	1/4	45
112	1020 Diesel					
1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
113	1520 Gas & LPG					
164 ci 3	2.7 L 1966-75	Intake T- 1616	1 9/16	1 13/16	7/32	45
		Exhaust T- 939	1 5/16	1 9/16	1/4	45
114	1520 Diesel					
164 ci 3	2.7 L 1966-75	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
115	1530					
164 ci 3	2.7 L 1966-75	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
116	2010 Series Gas & LPG					
145 ci 4	2.4 L 1961-71	Intake T- 981	1 7/16	1 11/16	7/32	45
		Exhaust T- 239	1 3/16	1 7/16	7/32	45
117	2020					
202 ci 4	3.3 L 1966-75	Intake T- 1616	1 9/16	1 13/16	7/32	45
		Exhaust T- 939	1 5/16	1 9/16	1/4	45
118	2020 Diesel					
202 ci 4	3.3 L 1966-75	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
119	2030 Gas & LPG					
202 ci 4	3.3 L 1966-75	Intake T- 1616	1 9/16	1 13/16	7/32	45
		Exhaust T- 939	1 5/16	1 9/16	1/4	45
120	2030 Diesel					
202 ci 4	3.3 L 1966-75	Intake T- 1626	1 5/8	1 7/8	7/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
121	2040 Diesel					
	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
			Exhaust T- 960	1 3/8	1 11/16	7/32 45
122	2270					
	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4			Exhaust T- 960	1 3/8	1 11/16	7/32 45
123	2350					
	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4			Exhaust T- 960	1 3/8	1 11/16	7/32 45
124	2440					
219 ci	3.6 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
125	2510					
202 ci	3.3 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
126	2510 Diesel					
202 ci	3.3 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
127	2520					
	1966-75		Intake T- 1616	1 9/16	1 13/16	7/32 45
4			Exhaust T- 939	1 5/16	1 9/16	1/4 45
128	2520 Diesel					
202 ci	3.3 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
129	2630					
	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4			Exhaust T- 960	1 3/8	1 11/16	7/32 45
130	2640					
	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4			Exhaust T- 960	1 3/8	1 11/16	7/32 45
131	2750					
	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4			Exhaust T- 960	1 3/8	1 11/16	7/32 45
132	2840					
	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
4			Exhaust T- 960	1 3/8	1 11/16	7/32 45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.	
133	2950						
4	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
			Exhaust T- 960	1 3/8	1 11/16	7/32	45
134	3010 Series Gas & LPG						
201 ci	3.3 L		Intake T- 986	1 1/2	1 3/4	7/32	45
4	1961-71		Exhaust T- 939	1 5/16	1 9/16	1/4	45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 929	1 5/16	1 9/16	7/32	45
135	3010, 4254 Series Diesel						
254 ci	4.2 L		Intake T- 1616	1 9/16	1 13/16	7/32	45
4	1961-63		Exhaust T- 952	1 3/8	1 5/8	7/32	45
136	3020 Series Gas & LPG						
227 ci	3.7 L		Intake T- 986	1 1/2	1 3/4	7/32	45
4	1966-75		Exhaust T- 929	1 5/16	1 9/16	7/32	45
137	3020, 4270 Series Diesel						
270 ci	4.4 L		Intake T- 1633	1 11/16	1 15/16	1/4	45
4	1961-63		Exhaust T- 987	1 1/2	1 3/4	1/4	45
138	3029 PowerTech Diesel						
179 ci	2.9 L	Int. OEM #R98063	Intake T- 2136	1 9/16	1.8575	1/4	
3		Exh. OEM #R85687	Exhaust T- 1491	1 11/32	1.6955	1/4	
140	3152D Series Diesel						
152 ci	2.5 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
3	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32	45
141	3164D Series Diesel						
164 ci	2.7 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32	45
3	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32	45
142	3164 G Series Gas & LPG						
164 ci	2.7 L		Intake T- 1616	1 9/16	1 13/16	7/32	45
3	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4	45
143	JD 3200 Series						
			Intake T- 2928	2.120	2.528	.285	30
			Exhaust T- 2928	2.120	2.528	.285	30
144	3300 Gas & LPG						
4	1966-75		Intake T- 1616	1 9/16	1 13/16	7/32	45
			Exhaust T- 939	1 5/16	1 9/16	1/4	45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
145 3300 Diesel						
4	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
			Exhaust T- 960	1 3/8	1 11/16	7/32 45
146 4000						
6			Intake T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 987	1 1/2	1 3/4	1/4 45
147 4010 Series Gas & LPG 12 Valve						
301 ci	4.9 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1961-71		Exhaust T- 939	1 5/16	1 9/16	1/4 45
		Alt. Exh. w 1.500 VI. Hd., .218 depth	Alt-Exh T- 929	1 5/16	1 9/16	7/32 45
148 4020 Diesel						
6			Intake T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 987	1 1/2	1 3/4	1/4 45
149 4030						
	1966-75		Intake T- 1616	1 9/16	1 13/16	7/32 45
			Exhaust T- 939	1 5/16	1 9/16	1/4 45
150 4030 Diesel						
4	1966-75	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
			Exhaust T- 960	1 3/8	1 11/16	7/32 45
151 4039 PowerTech Diesel						
239 ci	3.9 L	Int. OEM #R98063	Intake T- 2136	1 9/16	1.8575	1/4
4		Exh. OEM #R85687	Exhaust T- 1491	1 11/32	1.6955	1/4
152 4040						
6			Intake T- 1633	1 11/16	1 15/16	1/4 45
			Exhaust T- 987	1 1/2	1 3/4	1/4 45
153 4045 PowerTech Diesel 8 Valve						
276 ci	4.5 L	Int. OEM #R98063	Intake T- 2136	1 9/16	1.8575	1/4
4		Exh. OEM #R85687	Exhaust T- 1491	1 11/32	1.6955	1/4
154 4180G Series Gas						
180 ci	2.9 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
155 4180D Series Diesel						
180 ci	2.9 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
4	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45

JOHN DEERE

				Part No.	ID	OD	Depth	Ang.
156		4202G Series Gas & LPG						
202 ci	3.3 L		Intake	T- 1616	1 9/16	1 13/16	7/32	45
4	1966-75		Exhaust	T- 939	1 5/16	1 9/16	1/4	45
157		4202D Series Diesel						
202 ci	3.3 L	Int. OEM #151255	Intake	T- 1626	1 5/8	1 7/8	7/32	45
4	1966-75		Exhaust	T- 960	1 3/8	1 11/16	7/32	45
158		4219G Series Gas & LPG						
219 ci	3.6 L		Intake	T- 1616	1 9/16	1 13/16	7/32	45
4	1966-75		Exhaust	T- 939	1 5/16	1 9/16	1/4	45
159		4219D, 4219T Diesel & Turbo Diesel						
219 ci	3.6 L	Int. OEM #151255	Intake	T- 1626	1 5/8	1 7/8	7/32	45
4	1966-75		Exhaust	T- 960	1 3/8	1 11/16	7/32	45
160		4230						
6			Intake	T- 1633	1 11/16	1 15/16	1/4	45
			Exhaust	T- 987	1 1/2	1 3/4	1/4	45
161		4240						
6	1977-85		Intake	T- 1673	1 9/16	1 27/32	1/4	30
			Exhaust	T- 986	1 1/2	1 3/4	7/32	45
162		4241 Series Gas & LPG						
241 ci	3.9 L		Intake	T- 986	1 1/2	1 3/4	7/32	45
4	1966-75		Exhaust	T- 929	1 5/16	1 9/16	7/32	45
163		4276D, 4276T Diesel & Turbo Diesel						
276 ci	4.5 L	Int. OEM #151255	Intake	T- 1626	1 5/8	1 7/8	7/32	45
4	1966-75		Exhaust	T- 960	1 3/8	1 11/16	7/32	45
164		4320						
6			Intake	T- 1617	1 9/16	1 13/16	1/4	45
			Exhaust	T- 987	1 1/2	1 3/4	1/4	45
165		4400						
4	1966-75	Int. OEM #151255	Intake	T- 1626	1 5/8	1 7/8	7/32	45
			Exhaust	T- 960	1 3/8	1 11/16	7/32	45
166		4430						
6			Intake	T- 987	1 1/2	1 3/4	1/4	45
			Exhaust	T- 987	1 1/2	1 3/4	1/4	45
167		4520 up to #245756						
6			Intake	T- 1633	1 11/16	1 15/16	1/4	45
			Exhaust	T- 987	1 1/2	1 3/4	1/4	45

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
168		4620 up to #335845				
6		Intake T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
169		4630				
6		Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
170		4640				
6		Intake T- 495	1 1/2	1 3/4	7/32	30
		Exhaust T- 495	1 1/2	1 3/4	7/32	30
171		4840				
6	466 ci 7.6 L	Intake T- 986	1 1/2	1 3/4	7/32	45
	1977-90	Exhaust T- 986	1 1/2	1 3/4	7/32	45
172		5010				
		Intake T- 839	2	2 1/4	9/32	45
		Exhaust T- 1935	1 11/16	1 15/16	9/32	45
173		5200 up to #335845				
6		Intake T- 1617	1 9/16	1 13/16	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
174		5200 after #335845				
6		Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 987	1 1/2	1 3/4	1/4	45
175		6059 12 Valve PowerTech Diesel				
6	359 ci 5.9 L	Int. OEM #R98063	Intake T- 2136	1 9/16	1.8575	1/4
		Exh. OEM #R85687	Exhaust T- 1491	1 11/32	1.6955	1/4
176		6068 12 Valve PowerTech Diesel				
6	414 ci 6.8 L	Int. OEM #R98063	Intake T- 2136	1 9/16	1.8575	1/4
		Exh. OEM #R85687	Exhaust T- 1491	1 11/32	1.6955	1/4
177		55 Series 6076A, 6076T Turbo Diesel 12 Valve				
6	466 ci 7.6 L	Int. OEM #R84977	Intake T- 2953	1.750	2.051	.240 30/R
		Exh. OEM #R84976	Exhaust T- 2935	1.460	1.9335	.240 30/R
178		6081 12 Valve Diesel				
6	496 ci 8.1 L		Exhaust H- 2931	1 7/16	1.932	.212 20/R

JOHN DEERE

		Part No.	ID	OD	Depth	Ang.
179 6081 12 Valve Diesel "Powertech"						
496 ci	8.1 L	Int. OEM #R121193, R84977	Intake T- 2953	1.750	2.051	.240 30/R
6		Exh. OEM #R119132, R84976	Alt-Int T- 2954	1.750	2.0675	.240 30/R
			Exhaust T- 2935	1.460	1.9335	.240 30/R
			Alt-Exh T- 2936	1.460	1.9425	.240 30/R
180 6105AH Power Tech						
644 ci	10.5 L	OEM #502401, 504713	Intake T- 2406	1 1/2	1.953	.290 30/R
6			Exhaust T- 2406	1 1/2	1.953	.290 30/R
181 6125 AH Power Tech						
766 ci	12.5 L	OEM #502401, 504713	Intake T- 2406	1 1/2	1.953	.290 30/R
6			Exhaust T- 2406	1 1/2	1.953	.290 30/R
182 6303G, 6303L Series Gas & LPG						
303 ci	5 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
183 6303D Series Diesel 12 Valve						
303 ci	5 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
6	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
184 6329G, 6329L Series Gas & LPG						
329 ci	5.4 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
185 6329D, 6329T Diesel & Turbo Diesel						
329 ci	5.4 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
6	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
186 6359D, 6359T Diesel & Turbo Diesel						
359 ci	5.9 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
6	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
187 6414D, 6414T Series Diesel & Turbo Diesel						
414 ci	6.8 L	Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
6	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45
188 6600 Gas & LPG						
329 ci	5.4 L		Intake T- 1616	1 9/16	1 13/16	7/32 45
6	1966-75		Exhaust T- 939	1 5/16	1 9/16	1/4 45
189 6600 Diesel						
		Int. OEM #151255	Intake T- 1626	1 5/8	1 7/8	7/32 45
	1966-75		Exhaust T- 960	1 3/8	1 11/16	7/32 45

JOHN DEERE

			Part No.	ID	OD	Depth	Ang.
190	6602						
6			Intake T- 1633	1 11/16	1 15/16	1/4	45
			Exhaust T- 987	1 1/2	1 3/4	1/4	45
191	6619T Intercooled Turbo Diesel 12 Valve						
619 ci	10.1 L	Int. OEM #R48313, R59894	Intake T- 2733	1.705	2.136	.319	45/R
6		Exh. OEM #R48314, R60537	Exhaust T- 2874	1.616	1.991	.309	45/R
192	7020 up to #335845						
6			Intake T- 1617	1 9/16	1 13/16	1/4	45
			Exhaust T- 987	1 1/2	1 3/4	1/4	45
193	7020 after #335846						
6			Intake T- 987	1 1/2	1 3/4	1/4	45
			Exhaust T- 987	1 1/2	1 3/4	1/4	45
194	7700						
6			Intake T- 1633	1 11/16	1 15/16	1/4	45
			Exhaust T- 987	1 1/2	1 3/4	1/4	45
195	7700 Turbo Diesel						
6			Intake T- 987	1 1/2	1 3/4	1/4	45
			Exhaust T- 987	1 1/2	1 3/4	1/4	45
196	8000 Series, 9500 Combine						
		Int. OEM #R84977	Intake T- 2953	1.750	2.051	.240	30/R
		Exh. OEM #R84976	Exhaust T- 2935	1.460	1.9335	.240	30/R
197	8430						
6			Intake T- 986	1 1/2	1 3/4	7/32	45
			Exhaust T- 986	1 1/2	1 3/4	7/32	45
198	8850						
8			Intake T- 983	1 7/16	1 3/4	7/32	45
			Exhaust T- 986	1 1/2	1 3/4	7/32	45
199	8955T						
8			Intake T- 983	1 7/16	1 3/4	7/32	45
			Exhaust T- 986	1 1/2	1 3/4	7/32	45
200	9420 John Deere 24 Valve OHC 10.9 & 12.5 OHC						
		OEM #502401, 504713	Intake T- 2406	1 1/2	1.953	.290	30/R
6			Exhaust T- 2406	1 1/2	1.953	.290	30/R

Komatsu

		Part No.	ID	OD	Depth	Ang.
1 16 Valve Cummins OHV Diesel						
495 ci	8.1 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
4			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
2 12 Valve Cummins OHV Turbo Diesel						
743 ci	12.2 L		Intake T- 1619	1 9/16	1 27/32	9/32 30
6			Exhaust T- 1619	1 9/16	1 27/32	9/32 30
3 12 Valve Cummins OHV Diesel						
855 ci	14 L		Intake T- 1965	1 11/16	2	9/32 30
6			Exhaust T- 1965	1 11/16	2	9/32 30
4 S6D155 Turbo Diesel 12 Valve						
1175 cid	19.3 L		Intake T- 1542	2	2.370	.352 30
6			Exhaust T- 2754	1.895	2.2475	.3525
5 SA6D155 Intercooled Turbo Diesel 12 Valve						
1175 cid	19.3 L		Intake T- 1542	2	2.370	.352 30
6			Exhaust T- 2754	1.895	2.2475	.3525

LE ROI ENGINES

		Part No.	ID	OD	Depth	Ang.
1 B45, D91, V, W, X, Y						
2,4	1947-52		Intake T- 271	1 1/4	1 1/2	7/32 45
			Exhaust T- 271	1 1/4	1 1/2	7/32 45
2 A114						
114 ci	1.8 L		Intake T- 318	1 13/16	2 1/8	1/4 45
1	1954-56		Exhaust T- 318	1 13/16	2 1/8	1/4 45
3 D140						
140 ci	2.3 L		Intake T- 239	1 3/16	1 7/16	7/32 45
2,4	1943-54		Exhaust T- 239	1 3/16	1 7/16	7/32 45
4 D176						
176 ci	2.9 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1936-60		Exhaust T- 931	1 5/16	1.578	1/4 45
		Alternate Exhaust	Alt-Exh T- 935	1 5/16	1 5/8	1/4 45
5 D201						
201 ci	3.3 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1936-60		Exhaust T- 931	1 5/16	1.578	1/4 45
		Alternate Exhaust	Alt-Exh T- 935	1 5/16	1 5/8	1/4 45

LE RO ENGINES

		Part No.	ID	OD	Depth	Ang.
6 D226						
226 ci	3.7 L	Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1936-60	Exhaust T- 931	1 5/16	1.578	1/4	45
	Alternate Exhaust	Alt-Exh T- 935	1 5/16	1 5/8	1/4	45
7 A288						
1	1948-59	Intake T- 503	2 3/4	3 1/4	3/8	45
		Exhaust T- 1209	2 5/8	3 3/16	9/16	45
8 D318, D382, D471						
4	1936-54	Intake T- 1935	1 11/16	1 15/16	9/32	45
		Exhaust T- 1621	1 9/16	1 15/16	1/4	45
9 Diesel IHC UD-6 Series						
248 ci	4.1 L	Intake T- 1610	1 1/2	1 13/16	1/4	45
4		Exhaust T- 929	1 5/16	1 9/16	7/32	45
10 H540, TH540						
540 ci	8.9 L	Intake T- 1620	1 9/16	1 7/8	1/4	45
8	1948-58	Exhaust T- 966	1 3/8	1 3/4	7/32	45
11 H570						
570 ci	9.3 L	Intake T- 324	1 7/8	2 1/8	7/32	45
8	1948-58	Exhaust T- 986	1 1/2	1 3/4	7/32	45
12 H-844 - Early						
8	1953-58	Intake T- 1315	2 1/8	2 7/16	5/16	45
		Exhaust T- 1704	1 5/8	1 15/16	7/16	45
13 H-844 - Late						
8	1953-58	Intake T- 1315	2 1/8	2 7/16	5/16	45
		Exhaust T- 1747	1 13/16	2 1/8	7/16	45
14 H-884						
8	1953-58	Intake T- 1321	2 1/8	2 7/16	3/16	45
		Exhaust T- 330	1 7/8	2 3/16	3/16	45
	Alternate Exhaust	Alt-Exh T- 344	1 7/8	2 3/16	1/4	30
15 D1000, F1500						
4-12	1946-59	Intake T- 422	2 1/2	3 1/8	3/8	45
		Exhaust T- 425	2 17/32	3 1/8	3/8	45

LE ROI ENGINES

			Part No.	ID	OD	Depth	Ang.
16 H2000, L3000, RX							
4-12	1946-59		Intake T- 422	2 1/2	3 1/8	3/8	45
			Exhaust T- 422	2 1/2	3 1/8	3/8	45
		Alternate Exhaust	Alt-Exh T- 425	2 17/32	3 1/8	3/8	45
17 2577, 2677							
1-4		2C,CM, CR, K, KP, M, MH, MP, MR, R, RH, RP, RR, S, SH, SP, SR	Exhaust T- 1610	1 1/2	1 13/16	1/4	45
18 L3230							
		Int. OEM #172019	Intake T- 440	2 1/2	2 15/16	3/8	45
		Exh. OEM #172020	Exhaust T- 605	2 3/8	2 15/16	9/16	45
19 L3460, L4000							
12	1948-59		Intake T- 1002	2 57/64	3 1/2	9/16	45/R
			Exhaust T- 1209	2 5/8	3 3/16	9/16	45
		Alternate Exhaust	Alt-Exh T- 1208	2 9/16	3 3/16	9/16	45
20 L4000 Hi Compression							
12			Intake T- 1004	2 7/8	3 1/2	9/16	45
			Exhaust T- 1209	2 5/8	3 3/16	9/16	45
21 RA							
			Exhaust T- 706	2 1/4	2 7/8	3/8	45

Lexus

			Part No.	ID	OD	Depth	Ang.
1 DOHC 24 Valve 2VZFE Toyota							
2508 cc	2.5 L	Lexus Model ES250	Intake T- 456	1.107	1 3/8	.253	45/R
6	1990-91		Exhaust T- 2348	15/16	1 3/16	.235	45
2 DOHC 24 Valve 3VZFE Toyota							
2958 cc	3 L	Lexus Model ES300	Intake T- 635	1.166	1 7/16	1/4	45/R
6	1992-93		Exhaust T- 2348	15/16	1 3/16	.235	45
3 DOHC 24 Valve 1MZFE Alum. Toyota							
2995 cc	3 L	Lexus Model ES300	Intake T- 635	1.166	1 7/16	1/4	45/R
6	1994-03		Exhaust T- 2348	15/16	1 3/16	.235	45

Lexus

		Part No.	ID	OD	Depth	Ang.
4	DOHC 24 Valve 2JZGE Toyota					
2997 cc	3 L	Lexus Model GS300, SC300	Intake T- 635	1.166	1 7/16	1/4 45/R
6	1992-05		Exhaust T- 2505	.955	1 1/4	.255 45
5	DOHC 24 Valve 2JZGTE Turbo Toyota					
2997 cc	3 L	Lexus model GS300, SC300	Intake T- 635	1.166	1 7/16	1/4 45/R
6	1994-97		Exhaust T- 2505	.955	1 1/4	.255 45
6	DOHC 32 Valve 1UZFE Toyota					
3969 cc	4 L	Lexus Model LS400, SC400	Intake T- 635	1.166	1 7/16	1/4 45/R
8	1990-00		Exhaust T- 2505	.955	1 1/4	.255 45

Lister Engine

		Part No.	ID	OD	Depth	Ang.
1	HR3G					
3			Intake T- 2793	1.562	1.9435	.210 45/R
			Exhaust T- 2794	1 3/8	1.7185	.205 45
2	ST Engine					
			Intake T- 2791	1 13/32	1.7965	7/32 45/R
			Exhaust T- 2792	1 1/4	1.4925	.209 45

M. G. (AUSTIN HEALEY)

		Part No.	ID	OD	Depth	Ang.
1	Midget OHV					
948 cc	0.9 L		Intake T- 1986	1	1 1/4	5/32 45
4	1961-62		Exhaust T- 140	29/32	1 3/16	5/32 45
2	Midget OHV					
1098 cc	1.1 L		Intake T- 1986	1	1 1/4	5/32 45
4	1963-66		Exhaust T- 140	29/32	1 3/16	5/32 45
3	1100 Sedan FWD OHV					
1098 cc	1.1 L		Intake T- 551	1 5/64	1 5/16	7/32 45
4	1963-68		Exhaust T- 140	29/32	1 3/16	5/32 45
4	1250cc					
1250 cc	1.2 L	TB, TC, TD, TF, Y, YA, YB X Pag	Intake T- 239	1 3/16	1 7/16	7/32 45
4	1939-55		Exhaust T- 550	1 1/32	1 5/16	5/32 45
5	1275cc					
1275 cc	1.3 L	OHV Morris, Austin, Austin Healy Sprite, MG Midget, 1300	Intake T- 239	1 3/16	1 7/16	7/32 45
4	1967-75		Exhaust T- 754	1 1/16	1 1/4	7/32 45

M. G. (AUSTIN HEALEY)

		Part No.	ID	OD	Depth	Ang.	
6	1489cc						
1489 cc	1.5 L	OHV Morris, MG Magnette 2A, 2B, MGA	Intake T- 278	1 1/4	1 9/16	1/4	45
4	1953-61		Exhaust T- 244	1 3/16	1 1/2	1/4	45
7	1493cc						
1493 cc	1.5 L	OHV Morris, MG Midget Mk II	Intake T- 295	1 17/64	1 1/2	1/4	45
4	1974-80		Exhaust T- 637	1 1/16	1 1/4	1/4	45
8	Magnette 2A OHV						
1498 cc	1.6 L		Intake T- 278	1 1/4	1 9/16	1/4	45
4	1954-61		Exhaust T- 244	1 3/16	1 1/2	1/4	45
9	1588cc						
1588 cc	1.6 L	OHV Morris MGA 1600 Mkl	Intake T- 278	1 1/4	1 9/16	1/4	45
4	1959-62		Exhaust T- 244	1 3/16	1 1/2	1/4	45
10	1798cc 62'-70'						
1798 cc	1.8 L	OHV Morris, 1800 MGB, MGB-GT	Intake T- 982	1 7/16	1 11/16	1/4	45
4	1962-70		Exhaust T- 1685	1 3/16	1 7/16	1/4	45/R
11	1798cc 71'-80'						
1798 cc	1.8 L	OHV Morris, 1800 MGB, MGB-GT	Intake T- 455	1 1/2	1 3/4	.255	45/R
4	1971-80		Exhaust T- 1685	1 3/16	1 7/16	1/4	45/R

MACK TRUCK

		Part No.	ID	OD	Depth	Ang.	
1	AC						
4			Intake T- 1865	1 7/16	1 11/16	3/8	45
			Exhaust T- 1729	1 11/16	2 9/64	15/32	---
2	BC						
4			Exhaust T- 1729	1 11/16	2 9/64	15/32	---
3	BG						
6			Intake T- 1621	1 9/16	1 15/16	1/4	45
			Exhaust T- 2808	1 9/16	1.916	29/64	30
4	BL						
6			Intake T- 1621	1 9/16	1 15/16	1/4	45
			Exhaust T- 2808	1 9/16	1.916	29/64	30
5	CE						
4			Exhaust T- 1729	1 11/16	2 9/64	15/32	---

MACK TRUCK

		Part No.	ID	OD	Depth	Ang.
6	CF					
4		Exhaust T- 1729	1 11/16	2 9/64	15/32	---
7	CT					
6		Exhaust T- 1730	1 11/16	2 5/32	29/64	30
8	CU					
6		Intake T- 1621	1 9/16	1 15/16	1/4	45
		Exhaust T- 2808	1 9/16	1.916	29/64	30
9	ED (13GC 1228)					
6		Exhaust T- 1713	1 5/8	2.018	29/64	45
10	EJ					
6		Exhaust T- 1621	1 9/16	1 15/16	1/4	45
11	EN11					
209 ci	3.4 L	Intake T- 951	1 3/8	1 5/8	7/32	30
6	1939-48	Exhaust T- 239	1 3/16	1 7/16	7/32	45
12	EN12					
226 ci	3.7 L	Intake T- 951	1 3/8	1 5/8	7/32	30
6	1939-48	Exhaust T- 239	1 3/16	1 7/16	7/32	45
13	EO					
6	1953-69	Int. OEM #13GC2234P1				
		Intake T- 1304	2 1/16	2 7/16	.300	30
		Exhaust T- 1734	1 3/4	2.164	29/64	30
14	EP					
6	1953-69	Int. OEM #13GC2234P1				
		Intake T- 1304	2 1/16	2 7/16	.300	30
		Exhaust T- 1734	1 3/4	2.164	29/64	30
15	EY					
6	1953-69	Int. OEM #13GC2234P1				
		Intake T- 1304	2 1/16	2 7/16	.300	30
		Exhaust T- 1734	1 3/4	2.164	29/64	30
16	F - Gas					
6		Exhaust T- 2808	1 9/16	1.916	29/64	30
17	MR140					
4		Exhaust T- 214	1 1/16	1 5/16	3/16	45

MACK TRUCK

		Part No.	ID	OD	Depth	Ang.	
18	MR209						
6		Exhaust T- 214	1 1/16	1 5/16	3/16	45	
19	MR228						
228 ci	3.7 L						
6		Exhaust T- 1627	1 5/8	1 7/8	1/4	45	
20	EN253 - FO						
253 ci	4.1 L	Intake T- 1922	1 5/8	2	9/32	45	
6	1938-50	Exhaust T- 1822	1 3/8	1 11/16	5/16	45	
21	MR268						
6		Exhaust T- 1621	1 9/16	1 15/16	1/4	45	
22	EN270, EN271 - FM						
270 ci	4.4 L	Intake T- 1922	1 5/8	2	9/32	45	
6	1938-50	Exhaust T- 1822	1 3/8	1 11/16	5/16	45	
23	EN290 - FK. FKC						
290 ci	4.8 L	Intake T- 1922	1 5/8	2	9/32	45	
6	1938-50	Exhaust T- 1822	1 3/8	1 11/16	5/16	45	
24	EN291						
6	1950-64	Intake T- 307	1 3/4	2 1/8	9/32	30	
		Exhaust T- 1831	1 3/8	1.725	29/64	45	
25	EN 6-300 2 Valve						
		Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
		Exh. OEM #13GC2247P1	Exhaust T- 1949	1 11/16	2.088	.300	30
26	EN 6-300 4 Valve						
		OEM #13GC2264	Intake T- 982	1 7/16	1 11/16	1/4	45
			Exhaust T- 982	1 7/16	1 11/16	1/4	45
27	EN310						
6	1952-60	Intake T- 1621	1 9/16	1 15/16	1/4	45	
		Exhaust T- 2808	1 9/16	1.916	29/64	30	
28	EN330						
330 ci	5.4 L	Intake T- 1922	1 5/8	2	9/32	45	
6	1938-50	Exhaust T- 1822	1 3/8	1 11/16	5/16	45	
29	EN331						
6	1950-64	Intake T- 307	1 3/4	2 1/8	9/32	30	
		Exhaust T- 1831	1 3/8	1.725	29/64	45	

MACK TRUCK

		Part No.	ID	OD	Depth	Ang.
30	EN354					
6	1952-60	Intake T- 1621	1 9/16	1 15/16	1/4	45
		Exhaust T- 2808	1 9/16	1.916	29/64	30
31	EN354A					
6	1942-69	Intake T- 307	1 3/4	2 1/8	9/32	30
		Exhaust T- 1843	1 7/16	1 25/32	29/64	45
32	EN377					
6	1950-64	Intake T- 307	1 3/4	2 1/8	9/32	30
		Exhaust T- 1831	1 3/8	1.725	29/64	45
33	EN401					
6	1942-69	Intake T- 307	1 3/4	2 1/8	9/32	30
		Exhaust T- 1843	1 7/16	1 25/32	29/64	45
34	EN402					
6	1942-69	Intake T- 307	1 3/4	2 1/8	9/32	30
		Exhaust T- 1843	1 7/16	1 25/32	29/64	45
35	EN405					
6	1940-54	Intake T- 319	1 13/16	2 3/16	9/32	45
		Exhaust T- 2808	1 9/16	1.916	29/64	30
36	END405					
6	1949-50	Intake T- 1620	1 9/16	1 7/8	1/4	45
		Exhaust T- 2801	1 1/2	1.916	29/64	30
37	EN414, M413 Chrysler					
413 ci	6.7 L	Intake T- 806	2	2 3/8	9/32	45
8		Exhaust T- 987	1 1/2	1 3/4	1/4	45
38	EN431					
6	1940-54	Intake T- 319	1 13/16	2 3/16	9/32	45
		Exhaust T- 2808	1 9/16	1.916	29/64	30
39	EN431A					
6	1940-54	Intake T- 319	1 13/16	2 3/16	9/32	45
		Exhaust T- 2808	1 9/16	1.916	29/64	30
40	EN438					
6	1952-63	Intake T- 1756	1 7/8	2 1/4	3/8	45
		Exhaust T- 1831	1 3/8	1.725	29/64	45
41	EN457					
6	1940-54	Intake T- 319	1 13/16	2 3/16	9/32	45
		Exhaust T- 2808	1 9/16	1.916	29/64	30

MACK TRUCK

			Part No.	ID	OD	Depth	Ang.
42	END457						
6	1949-50		Intake T- 1620	1 9/16	1 7/8	1/4	45
			Exhaust T- 2801	1 1/2	1.916	29/64	30
43	EN464 w/down draft carb.						
6	1954-69		Intake T- 307	1 3/4	2 1/8	9/32	30
			Exhaust T- 1831	1 3/8	1.725	29/64	45
44	EN464 w/side draft carb.						
6	1964-69		Intake T- 1754	1 7/8	2 1/4	9/32	30
			Exhaust T- 1831	1 3/8	1.725	29/64	45
45	EN464A w/down draft carb.						
6	1954-69		Intake T- 307	1 3/4	2 1/8	9/32	30
			Exhaust T- 1831	1 3/8	1.725	29/64	45
46	EN464A w/side draft carb.						
6	1964-69		Intake T- 1754	1 7/8	2 1/4	9/32	30
			Exhaust T- 1831	1 3/8	1.725	29/64	45
47	END465						
8	1964-69		Intake T- 552	1 25/32	2 1/8	5/16	30
			Exhaust T- 2034	1 15/32	1 13/16	5/16	45
48	EN471						
6	1940-54		Intake T- 319	1 13/16	2 3/16	9/32	45
			Exhaust T- 2808	1 9/16	1.916	29/64	30
49	EN471A						
6	1940-54		Intake T- 319	1 13/16	2 3/16	9/32	45
			Exhaust T- 2808	1 9/16	1.916	29/64	30
50	END475						
6			Intake T- 554	1.765	2.165	.300	30
			Exhaust T- 2043	1.460	1.850	.300	30
51	ENDT475 (Scania- Vabis)						
6			Intake T- 554	1.765	2.165	.300	30
			Exhaust T- 2043	1.460	1.850	.300	30
52	EN510						
6	1940-54		Intake T- 319	1 13/16	2 3/16	9/32	45
			Exhaust T- 2808	1 9/16	1.916	29/64	30
53	EN510A						
6	1940-54		Intake T- 319	1 13/16	2 3/16	9/32	45
			Exhaust T- 2808	1 9/16	1.916	29/64	30

MACK TRUCK

			Part No.	ID	OD	Depth	Ang.
54	EN510B						
6	1952-63		Intake T- 1756	1 7/8	2 1/4	3/8	45
			Exhaust T- 1831	1 3/8	1.725	29/64	45
55	EN510C						
6	1952-63		Intake T- 1756	1 7/8	2 1/4	3/8	45
			Exhaust T- 1831	1 3/8	1.725	29/64	45
56	END510						
6	1949-58		Intake T- 307	1 3/4	2 1/8	9/32	30
			Exhaust T- 1848	1 13/32	1.916	29/64	45
57	END519						
6			Exhaust T- 1713	1 5/8	2.018	29/64	45
58	EN540						
6	1952-63		Intake T- 1756	1 7/8	2 1/4	3/8	45
			Exhaust T- 1831	1 3/8	1.725	29/64	45
59	END605						
6			Exhaust T- 1713	1 5/8	2.018	29/64	45
60	EP611						
6	1940-69	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
			Exhaust T- 1734	1 3/4	2.164	29/64	30
61	E6-2V Diesel, E6350-2V						
672 ci	11 L	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
6	1953-73	Exh. OEM #13GC2247P1	Exhaust T- 1949	1 11/16	2.088	.300	30
62	E6-4V Diesel, E6350-4V						
672 ci	11 L	Int. OEM #13GC2251P1	Intake T- 1689	1 9/16	1.833	9/32	30
6	1953-73		Exhaust T- 1050	1 7/16	1 11/16	1/4	---
63	E7-4V Diesel						
672 ci	11 L	Also ETECH & ASET Int. OEM #13GC2251P1	Intake T- 1689	1 9/16	1.833	9/32	30
6	1953-73		Exhaust T- 1050	1 7/16	1 11/16	1/4	---
64	E7-ETECH, Aset 4 Valve						
6		Int. OEM #13GC316	Intake T- 2692	1.550	1.831	.253	
			Exhaust T- 982	1 7/16	1 11/16	1/4	45
65	EN672						
6	1940-69	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
			Exhaust T- 1734	1 3/4	2.164	29/64	30

MACK TRUCK

			Part No.	ID	OD	Depth	Ang.
66			END672				
6	1945-54		Intake T- 1755	1 7/8	2 1/4	9/32	45
			Exhaust T- 1730	1 11/16	2 5/32	29/64	30
67			ENDS672				
6	1945-54		Intake T- 1755	1 7/8	2 1/4	9/32	45
			Exhaust T- 1730	1 11/16	2 5/32	29/64	30
68			END673 Diesel 12 Valve				
672 ci	11 L	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
6	1953-73	Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300	30
			Exhaust T- 1949	1 11/16	2.088	.300	30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300	30
69			ENDLT673				
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300	30
			Exhaust T- 1949	1 11/16	2.088	.300	30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300	30
70			ENDT673 Turbo Diesel 12 Valve				
672 ci	11 L	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
6	1953-73	Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300	30
			Exhaust T- 1949	1 11/16	2.088	.300	30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300	30
71			ENDTF673C				
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
		Exh. OEM #13GC2247P1	Exhaust T- 1949	1 11/16	2.088	.300	30
72			ET673,ETA673 Maxidyne Diesel 12 Valve				
672 ci	11 L	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
6	1953-73	Exh. OEM #13GC2247P1	Exhaust T- 1949	1 11/16	2.088	.300	30
73			ET673E				
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
		Exh. OEM #13GC2247P1	Exhaust T- 1949	1 11/16	2.088	.300	30
74			ETAY673A				
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300	30
			Exhaust T- 1949	1 11/16	2.088	.300	30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300	30

MACK TRUCK

		Part No.	ID	OD	Depth	Ang.
75 ETAZ673A						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
76 ETAZB673A						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
77 ETY673E						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
78 ETZ673C						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
79 ENDT675 Maxidyne Diesel 12 Valve						
672 ci 6	11 L 1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
80 ENDTB675						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
81 ET-675,ETSX675 Diesel 12 Valve						
672 ci 6	11 L 1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Exh. OEM #13GC2247P1	Exhaust T- 1949	1 11/16	2.088	.300 30
82 ETY675						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30

MACK TRUCK

		Part No.	ID	OD	Depth	Ang.
83 ETZ675						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
84 ETZB675						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
85 EN-676 Diesel 12 Valve						
672 ci	11 L	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
6	1953-73	Exh. OEM #13GC2247P1	Exhaust T- 1949	1 11/16	2.088	.300 30
86 ENDT676						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
87 ENDT676, ENDTB676, ETSX676 Maxidyne Diesel 12 Valv						
672 ci	11 L	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
6	1953-73	Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
88 ETAY676						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
89 ETSZ676						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
90 EY707						
6	1953-69	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
			Exhaust T- 1734	1 3/4	2.164	29/64 30

MACK TRUCK

				Part No.	ID	OD	Depth	Ang.
91 E9 Diesel 12 Valve								
707 ci	11.6 L	Int. OEM #13GC2248P1		Intake T- 2370	1 9/16	1.842	1/4	20
6		Exh. OEM #13GC2226		Exhaust T- 1067	1.460	1.725	1/4	---
92 EM9 Diesel 12 Valve								
707 ci	11.6 L	Int. OEM #13GC2248P1		Intake T- 2370	1 9/16	1.842	1/4	20
6		Exh. OEM #13GC2226		Exhaust T- 1067	1.460	1.725	1/4	---
93 EN707A								
6	1940-69	Int. OEM #13GC2234P1		Intake T- 1304	2 1/16	2 7/16	.300	30
				Exhaust T- 1734	1 3/4	2.164	29/64	30
94 EN707B								
6	1940-69	Int. OEM #13GC2234P1		Intake T- 1304	2 1/16	2 7/16	.300	30
				Exhaust T- 1734	1 3/4	2.164	29/64	30
95 EN707C								
6	1940-69	Int. OEM #13GC2234P1		Intake T- 1304	2 1/16	2 7/16	.300	30
				Exhaust T- 1734	1 3/4	2.164	29/64	30
96 END707 Diesel 12 Valve								
707 ci	11.6 L	Int. OEM #13GC2234P1		Intake T- 1304	2 1/16	2 7/16	.300	30
6	1953-73	Alternate Intake & Exhaust Exh. OEM #13GC2247P1		Alt-Int T- 1343	2 1/16	2 1/2	.300	30
				Exhaust T- 1949	1 11/16	2.088	.300	30
				Alt-Exh T- 2818	1 11/16	2 1/8	.300	30
97 ENF707C								
6	1940-69	Int. OEM #13GC2234P1		Intake T- 1304	2 1/16	2 7/16	.300	30
				Exhaust T- 1734	1 3/4	2.164	29/64	30
98 END711 Diesel 12 valve								
707 ci	11.6 L	Int. OEM #13GC2234P1		Intake T- 1304	2 1/16	2 7/16	.300	30
6	1953-73	Alternate Intake & Exhaust Exh. OEM #13GC2247P1		Alt-Int T- 1343	2 1/16	2 1/2	.300	30
				Exhaust T- 1949	1 11/16	2.088	.300	30
				Alt-Exh T- 2818	1 11/16	2 1/8	.300	30
99 ENDT711 Turbo Diesel 12 Valve								
707 ci	11.6 L	Int. OEM #13GC2234P1		Intake T- 1304	2 1/16	2 7/16	.300	30
6	1953-73	Exh. OEM #13GC2247P1		Exhaust T- 1949	1 11/16	2.088	.300	30
100 EN-864, END-864, ENDT864 Diesel								
864 ci	14.2 L	Int. OEM #13GC2234P1		Intake T- 1304	2 1/16	2 7/16	.300	30
8	1953-73	Exh. OEM #13GC2247P1		Exhaust T- 1949	1 11/16	2.088	.300	30

MACK TRUCK

		Part No.	ID	OD	Depth	Ang.
101 END864						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
102 ENDT864						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
103 ENV864						
		Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
104 ENVDT864						
6	1953-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
		Alternate Intake & Exhaust Exh. OEM #13GC2247P1	Alt-Int T- 1343	2 1/16	2 1/2	.300 30
			Exhaust T- 1949	1 11/16	2.088	.300 30
			Alt-Exh T- 2818	1 11/16	2 1/8	.300 30
105 END865						
8	1970-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
			Exhaust T- 350	1 25/32	2.180	.300 30
106 ENDT865						
8	1970-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
			Exhaust T- 350	1 25/32	2.180	.300 30
107 ENDTB865						
8	1970-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
			Exhaust T- 350	1 25/32	2.180	.300 30
108 END866						
8	1970-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
			Exhaust T- 350	1 25/32	2.180	.300 30
109 ENDT866						
8	1970-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300 30
			Exhaust T- 350	1 25/32	2.180	.300 30

MACK TRUCK

		Part No.	ID	OD	Depth	Ang.	
110	ENDTB866						
8	1970-73	Int. OEM #13GC2234P1	Intake T- 1304	2 1/16	2 7/16	.300	30
			Exhaust T- 350	1 25/32	2.180	.300	30

MAN ENGINES

		Part No.	ID	OD	Depth	Ang.
1	D0836 HM8, DO836 HM84Y					
6		Intake T- 556	1.300	1 5/8	.354	45
		Exhaust T- 2833	1.536	1 7/8	.354	45
2	O 846 HMY HMN					
6		Intake T- 2045	1.575	1 15/16	.354	45
		Exhaust T- 2046	1.575	2	.354	45
3	2146 HM3F, 2146 HM4F					
6		Intake T- 2833	1.536	1 7/8	.354	45
		Exhaust T- 2838	1.536	1 15/16	.354	45
4	2146, 2156					
6		Intake T- 1793	1.949	2 7/16	.433	45
		Exhaust T- 1675	1.673	2 1/8	.433	45
5	2156 HMN6					
6		Intake T- 2045	1.575	1 15/16	.354	45
		Exhaust T- 2833	1.536	1 7/8	.354	45
6	2356					
6		Intake T- 2047	2 1/8	2 7/16	.433	45
		Exhaust T- 557	1.713	2 3/16	.433	45
7	D2566MT, 280-320 H.P.					
6		Intake T- 2747	1.894	2 1/2	.350	30/R
		Exhaust T- 1523	1.697	2 1/8	.393	45/R
8	25555					
6		Intake T- 1347	2.165	2 1/2	.433	45
		Exhaust T- 2726	1.791	2 3/16	.433	45

MAZDA

		Part No.	ID	OD	Depth	Ang.	
1	TC SOHC 8 Valve						
1272 cc	1.3 L	GLC 1300, 323, Mizer, 808	Intake T- 650	1 1/4	1 9/16	.230	45/R
4	1976-78		Exhaust T- 558	1.025	1 3/8	.230	45/R

MAZDA

			Part No.	ID	OD	Depth	Ang.
2 UC SOHC 8 Valve							
1415 cc	1.4 L	GLC 1400, 323	Intake T- 650	1 1/4	1 9/16	.230	45/R
4	1979-80		Exhaust T- 558	1.025	1 3/8	.230	45/R
3 CE15, D5 SOHC							
1490 cc	1.5 L	91 ci forklift	Intake T- 650	1 1/4	1 9/16	.230	45/R
4	1981-86		Exhaust T- 558	1.025	1 3/8	.230	45/R
4 E5 SOHC 8 Valve							
1490 cc	1.5 L	90 ci forklift	Intake T- 650	1 1/4	1 9/16	.230	45/R
4	1981-86		Alt-Int T- 579	1 1/4	1 9/16	.319	45/R
			Exhaust T- 558	1.025	1 3/8	.230	45/R
5 NA SOHC 8 Valve							
1586 cc	1.6 L	616, 808, B1600	Intake T- 386	1.455	1 3/4	.310	45/R
4	1970-77		Exhaust T- 2516	1 3/32	1 1/2	.320	45/R
6 A6D DOHC 16 Valve							
1594 cc	1.6 L		Intake T- 2365	.976	1.257	.180	
4	2003-05		Exhaust T- 136	.790	1 1/16	.254	45
7 B6, B61, CE16 SOHC 8 Valve							
1597 cc	1.6 L		Intake T- 543	1.320	1 5/8	.300	45
4	1986-94		Exhaust T- 2525	1 1/8	1 7/16	.300	45
8 B6 DOHC 16 Valve							
1597 cc	1.6 L		Intake T- 2332	15/16	1 1/4	3/16	
4	1992-95		Exhaust T- 136	.790	1 1/16	.254	45
9 B6T, CE16, CE16 T DOHC 16 Valve Turbo							
1597 cc	1.6 L		Intake T- 2332	15/16	1 1/4	3/16	
4	1988-95		Exhaust T- 136	.790	1 1/16	.254	45
10 B6ZE DOHC 16 Valve							
1597 cc	1.6 L		Intake T- 2365	.976	1.257	.180	
4	1996-97		Exhaust T- 136	.790	1 1/16	.254	45
11 VC SOHC							
1769 cc	1.8 L		Intake T- 386	1.455	1 3/4	.310	45/R
4	1978-80		Exhaust T- 2516	1 3/32	1 1/2	.320	45/R
12 VB SOHC 8 Valve							
1796 cc	1.8 L	616, B1800, 626	Intake T- 386	1.455	1 3/4	.310	45/R
4	1976-78		Exhaust T- 2516	1 3/32	1 1/2	.320	45/R

MAZDA

				Part No.	ID	OD	Depth	Ang.
13 BP012 SOHC 16 Valve w E.F.I.								
1839 cc	1.8 L			Intake T- 205	1	1 1/4	7/32	45
4	1990-94			Exhaust T- 2334	.830	1 1/8	.240	
14 BP, FP, BP056 DOHC 16 Valve								
1839 cc	1.8 L			Intake T- 658	1.162	1 7/16	.230	45
4	1990-05			Exhaust T- 142	.905	1 1/4	.230	45/R
15 MA SOHC 8 Valve								
1970 cc	2 L	626, B2000		Intake T- 386	1.455	1 3/4	.310	45/R
4	1979-84			Exhaust T- 2516	1 3/32	1 1/2	.320	45/R
16 VA Forklift								
1985 cc	2 L	121 ci		Intake T- 953	1 3/8	1 5/8	1/4	45
4				Exhaust T- 217	1 1/16	1 3/8	3/16	45
17 CE20, FE SOHC w Carb.								
1998 cc	2 L	626, Mx6, B2000		Intake T- 367	1.496	1 13/16	.303	45/R
4	1983-87			Exhaust T- 416	1 3/16	1 1/2	.305	45/R
18 FE SOHC w F.I. 8 Valve								
1998 cc	2 L			Intake T- 367	1.496	1 13/16	.303	45/R
4	1983-87			Exhaust T- 368	1 3/16	1 1/2	.304	45/R
19 FE SOHC Turbo 8 Valve								
1998 cc	2 L			Intake T- 367	1.496	1 13/16	.303	45/R
4	1986-87			Exhaust T- 368	1 3/16	1 1/2	.304	45/R
20 RF, RF20 SOHC Diesel 8 Valve								
1998 cc	2 L			Intake T- 528	1.335	1 11/16	.275	45/R
4	1984-85			Exhaust T- 529	1.182	1 1/2	.275	45/R
21 FSD DOHC 16 Valve								
1999 cc	2 L							
4	2004-11			Exhaust T- 2475	1	1 1/4	.305	45
22 12B SOHC 12 Valve								
2184 cc	2.2 L			Intake T- 625	1.102	1 3/8	.260	45
4	1988-92			Exhaust T- 240	1 3/16	1 7/16	1/4	45
				Alt-Exh T- 678	1.175	1 7/16	.260	45
23 F2, CE22 SOHC 8 Valve w Carb.								
2184 cc	2.2 L			Intake T- 367	1.496	1 13/16	.303	45/R
4	1987-93			Exhaust T- 368	1 3/16	1 1/2	.304	45/R

MAZDA

		Part No.	ID	OD	Depth	Ang.
24 F2, CE22 SOHC 8 Valve F.I.						
2184 cc	2.2 L		Intake T- 367	1.496	1 13/16	.303 45/R
4	1990-93		Exhaust T- 368	1 3/16	1 1/2	.304 45/R
25 34D,F2 SOHC 12 Valve Turbo						
2184 cc	2.2 L		Intake T- 625	1.102	1 3/8	.260 45
4	1988-92		Exhaust T- 240	1 3/16	1 7/16	1/4 45
			Alt-Exh T- 678	1.175	1 7/16	.260 45
26 SOHC Ford 8 Valve						
2255 cc	2.3 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
4	1994-97		Exhaust T- 900	1 5/16	1 9/16	3/16 45
27 DOHC 16 Valve						
2261 cc	2.3 L		Exhaust T- 2475	1	1 1/4	.305 45
28 CE26, G54B SOHC Mitsubishi 12 Valve						
2555 cc	2.6 L		Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1987-88		Exhaust T- 919	1 5/16	1 5/8	5/16 45
			Alt-Exh T- 922	1 9/32	1 5/8	5/16 45/R
29 2606cc						
2606 cc	2.6 L		Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1989-92		Exhaust T- 919	1 5/16	1 5/8	5/16 45
30 G6 SOHC 12 Valve						
2606 cc	2.6 L		Intake T- 658	1.162	1 7/16	.230 45
4	1989-93		Exhaust T- 1075	1 1/4	1 1/2	.230
31 G60 SOHC 12 Valve						
2606 cc	2.6 L		Intake T- 658	1.162	1 7/16	.230 45
4	1989-95		Exhaust T- 1075	1 1/4	1 1/2	.230
32 CE30 SOHC 18 Valve						
2954 cc	3 L		Intake T- 2525	1 1/8	1 7/16	.300 45
6	1988-89		Exhaust T- 543	1.320	1 5/8	.300 45
33 JE27 DOHC 24 Valve						
2954 cc	3 L	Int. OEM #117640	Intake T- 599	1 11/64	1 7/16	1/4 45
6	1990-91		Exhaust T- 655	1 1/16	1 5/16	9/32 45

MAZDA

		Part No.	ID	OD	Depth	Ang.
34 JE30 SOHC 18 Valve						
2954 cc	3 L		Intake T- 2525	1 1/8	1 7/16	.300 45
6	1989-97		Exhaust T- 543	1.320	1 5/8	.300 45
35 JE39 SOHC 18 Valve						
2954 cc	3 L		Intake T- 2525	1 1/8	1 7/16	.300 45
6	1990-91		Exhaust T- 543	1.320	1 5/8	.300 45
36 JE48 DOHC 24 Valve						
2954 cc	3 L	Int. OEM #117640	Intake T- 599	1 11/64	1 7/16	1/4 45
6	1992-93		Exhaust T- 655	1 1/16	1 5/16	9/32 45
37 JE74 DOHC 24 Valve						
2954 cc	3 L	Int. OEM #117640	Intake T- 599	1 11/64	1 7/16	1/4 45
6	1994-95		Exhaust T- 655	1 1/16	1 5/16	9/32 45
38 OHV 12 Valve "Ford Vulcan"						
2954 cc	3 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1994-07		Exhaust T- 370	1 7/32	1 7/16	7/32 45
39 DOHC 24 Valve "Duratec"						
2954 cc	3 L		Exhaust T- 142	.905	1 1/4	.230 45/R
6	2001-06					
40 12 Valve Ford						
2994 cc	3 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6	1994-96		Exhaust T- 370	1 7/32	1 7/16	7/32 45
41 VGE4 Ford 12 Valve German						
4016 cc	4 L		Intake T- 1968	1 9/16	1 7/8	7/32 45
6	1991-01		Exhaust T- 370	1 7/32	1 7/16	7/32 45

MERCEDES BENZ

		Part No.	ID	OD	Depth	Ang.
1 1767cc - OM 636						
1767 cc	1.8 L		Intake T- 2357	1.154	1.318	.256 45
4			Exhaust T- 596	1 1/16	1 7/32	.256 45
2 OHV 180, 190 Gas w/alum. Heads						
1897 cc	1.9 L		Intake T- 578	1.585	1 15/16	9/32 45/R
4	1957-65		Exhaust T- 880	1.305	1 11/16	.405 45/R
3 1988cc - 180D						
1988 cc	2 L		Intake T- 2356	1.142	1 9/16	.296 45
6	1958-67	Alternate Intake & Exhaust	Alt-Int T- 579	1 1/4	1 9/16	.319 45/R
			Exhaust T- 581	.945	1 3/8	.296 45
			Alt-Exh T- 582	1 1/16	1 7/16	.325 45/R

MERCEDES BENZ

		Part No.	ID	OD	Depth	Ang.
4 1988cc - 190D						
1988 cc	2 L	Intake	T- 2356	1.142	1 9/16	.296 45
6	1958-67	Alt-Int	T- 579	1 1/4	1 9/16	.319 45/R
		Exhaust	T- 581	.945	1 3/8	.296 45
		Alt-Exh	T- 582	1 1/16	1 7/16	.325 45/R
		Alternate Intake & Exhaust				
5 1988cc - 200D						
1988 cc	2 L	Intake	T- 2356	1.142	1 9/16	.296 45
6	1958-67	Alt-Int	T- 579	1 1/4	1 9/16	.319 45/R
		Exhaust	T- 581	.945	1 3/8	.296 45
		Alt-Exh	T- 582	1 1/16	1 7/16	.325 45/R
		Alternate Intake & Exhaust				
6 1993cc - M180						
1993 cc	2 L	Intake	T- 476	1.220	1 1/2	.315 45/R
8	1951-65	Exhaust	T- 456	1.107	1 3/8	.253 45/R
7 1993cc - 220A, 220B, 220S, 220SB, 220SE, 220SEB						
1993 cc	2 L	Intake	T- 476	1.220	1 1/2	.315 45/R
8	1951-65	Exhaust	T- 456	1.107	1 3/8	.253 45/R
8 220D - OM615						
		Intake	T- 2068	1.221	1 11/16	.296 45
		Exhaust	T- 583	1.024	1 1/2	.296 45
9 230B, 230S						
8	1965-72	Intake	T- 1036	1.460	1 3/4	.423 45/R
		Exhaust	T- 2069	1.330	1 5/8	.379 45/R
10 250/8, 250S, 250SE, 250SL						
8	1966-70	Intake	T- 1036	1.460	1 3/4	.423 45/R
		Exhaust	T- 2069	1.330	1 5/8	.379 45/R
11 280 SOHC						
2746 cc	2.7 L	Intake	T- 1036	1.460	1 3/4	.423 45/R
8	1968-73	Exhaust	T- 2069	1.330	1 5/8	.379 45/R
12 2746cc - 280C, 280CE						
2746 cc	2.7 L	Intake	T- 2853	1 5/8	1 7/8	.352 45/R
6	1973-82	Exhaust	T- 577	1.335	1 5/8	.420 45/R
13 2746cc - 280SE, 280S, 280SL						
2746 cc	2.7 L	Intake	T- 1036	1.460	1 3/4	.423 45/R
8	1968-73	Exhaust	T- 2069	1.330	1 5/8	.379 45/R

MERCEDES BENZ

		Part No.	ID	OD	Depth	Ang.
14	OM 314					
6		Intake T- 2070	1.550	1 13/16	.450	45
		Exhaust T- 1037	1 1/4	1 5/8	.450	45
15	OM 321					
6		Intake T- 1038	1 7/16	1 11/16	.213	45/R
		Exhaust T- 585	1.260	1.496	.355	45/R
16	OM 325					
6		Intake T- 586	1.102	1.378	.355	45/R
		Exhaust T- 587	1.181	1.453	.213	45/R
17	OM 326					
6		Intake T- 588	1.713	1.989	.354	45
		Exhaust T- 2071	1.555	1.831	.354	45
18	OM 326 IV					
6		Intake T- 2072	1.496	1.819	.197	45/R
		Exhaust T- 589	1.183	1.418	.177	45/R
19	OM 326 IY					
6		Intake T- 2072	1.496	1.819	.197	45/R
		Exhaust T- 589	1.183	1.418	.177	45/R
20	OM 346					
6		Intake T- 1584	1.469	2 1/8	.297	45
		Exhaust T- 2073	1.328	1 11/16	.297	45
21	OM 352					
6		Intake T- 2070	1.550	1 13/16	.450	45
		Exhaust T- 1037	1 1/4	1 5/8	.450	45
22	OM 355					
6		Intake T- 1584	1.469	2 1/8	.297	45
		Exhaust T- 2073	1.328	1 11/16	.297	45
23	OM 360					
6		Intake T- 592	1.755	2 5/16	.415	-/R
		Exhaust T- 593	1.410	1 15/16	.412	-/R
24	OM 401					
6		Intake T- 1795	1.930	2.323	.394	45
		Exhaust T- 2074	1.359	1.595	.213	45/R
25	OM 402					
6		Intake T- 850	2	2 1/2	3/8	-/R
		Exhaust T- 1523	1.697	2 1/8	.393	45/R

MERCEDES BENZ

		Part No.	ID	OD	Depth	Ang.	
26	OM 615, OM 621						
4		Intake T- 594	1 1/16	1.524	.276	45/R	
		Exhaust T- 595	.945	1.209	.276	45/R	
27	2400 - OM616						
		Intake T- 882	1.300	1 11/16	.296	45	
		Exhaust T- 584	1 1/16	1 1/2	.296	45	
28	OM 617-910						
5		Intake T- 1796	1.930	2.304	.394	45	
		Exhaust T- 1797	1.930	2.296	.394	45	
29	OM 617-912						
5		Intake T- 1585	1.475	1.930	3/16	---	
		Exhaust T- 1798	1 3/4	2 1/8	.260	30	
30	2746cc - 921						
2746 cc 6	2.7 L 1972-81	Intake T- 2853	1 5/8	1 7/8	.352	45/R	
		Exhaust T- 577	1.335	1 5/8	.420	45/R	
31	2746cc - 922						
2746 cc 6	2.7 L 1972-81	Intake T- 2853	1 5/8	1 7/8	.352	45/R	
		Exhaust T- 577	1.335	1 5/8	.420	45/R	
32	2746cc - 984						
2746 cc 6	2.7 L 1972-81	Intake T- 2853	1 5/8	1 7/8	.352	45/R	
		Exhaust T- 577	1.335	1 5/8	.420	45/R	
33	2746cc - 985						
2746 cc 6	2.7 L 1972-81	Intake T- 2853	1 5/8	1 7/8	.352	45/R	
		Exhaust T- 577	1.335	1 5/8	.420	45/R	
34	2746 cc DOHC 12 Valve						
2746 cc 6	2.8 L 1972-81	167.5 ci	Intake T- 2853	1 5/8	1 7/8	.352	45/R
			Exhaust T- 577	1.335	1 5/8	.420	45/R
35	2979cc - 164, B30A						
2979 cc 6	3 L 1969-75	Intake T- 393	1.440	1 3/4	1/4	45/R	
		Exhaust T- 521	1 1/8	1 7/16	1/4	45/R	
36	SOHC M116, 980, 981, 280SE, 300 SEL						
3499 cc 8	3.5 L 1969-71	Intake T- 576	1.590	1 13/16	.450	45/R	
		Exhaust T- 577	1.335	1 5/8	.420	45/R	
37	3504cc						
3504 cc 8	3.5 L 1970-71	213 ci	Exhaust T- 577	1.335	1 5/8	.420	45/R

MERCEDES BENZ

		Part No.	ID	OD	Depth	Ang.
38	SOHC M116, 380SE, 380SEC, 380SEL, 380SL, 380 SLC					
3939 cc	3.9 L					
8	1981-85	Intake T- 576	1.590	1 13/16	.450	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R
39	3939cc - 960					
3939 cc	3.9 L					
8	1981-85	Intake T- 576	1.590	1 13/16	.450	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R
40	3939cc - 961					
3939 cc	3.9 L					
8	1981-85	Intake T- 576	1.590	1 13/16	.450	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R
41	3939cc - 963					
3939 cc	3.9 L					
8	1981-85	Intake T- 577	1.335	1 5/8	.420	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R
42	4520cc - SOHC M117					
4520 cc	4.5 L					
8	1972-80	Intake T- 576	1.590	1 13/16	.450	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R
43	4520cc - 982					
4520 cc	4.5 L					
8	1972-80	Intake T- 576	1.590	1 13/16	.450	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R
44	4520cc - 983					
4520 cc	4.5 L					
8	1972-80	Intake T- 576	1.590	1 13/16	.450	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R
45	4520cc - 985					
4520 cc	4.5 L					
8	1972-80	Intake T- 576	1.590	1 13/16	.450	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R
46	4520cc - 986					
4520 cc	4.5 L					
8	1972-80	Intake T- 576	1.590	1 13/16	.450	45/R
		Exhaust T- 577	1.335	1 5/8	.420	45/R

MERCURY MARINE

		Part No.	ID	OD	Depth	Ang.
1	110, 120 Series					
153 ci	2.5 L	Mer cruiser GM				
4		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
		Exhaust T- 964	1 5/16	1 9/16	7/32	45/R
2	140 Series					
181 ci	3 L					
4		Intake T- 1958	1 13/16	2	7/32	45
		Alt-Int T- 389	1 13/16	2 1/8	7/32	45
		Exhaust T- 981	1 7/16	1 11/16	7/32	45

MERCURY MARINE

		Part No.	ID	OD	Depth	Ang.
3 470 Series						
224 ci	3.7 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
4			Exhaust T- 986	1 1/2	1 3/4	7/32 45
4 150 Series						
230 ci	3.8 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
5 140, 160, 165 Series						
250 ci	4.1 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
6 190 Series						
283 ci	4.6 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
7 225 Series w 1.460 Exh VI. Hd.						
302 ci	4.9 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 929	1 5/16	1 9/16	7/32 45
			Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
8 225 Series w 1.541 Exh VI. Hd.						
302 ci	4.9 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
4			Exhaust T- 952	1 3/8	1 5/8	7/32 45
9 302 Series w 1.460 Exh. VI. Hd., .218depth						
302 ci	4.9 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 929	1 5/16	1 9/16	7/32 45
			Alt-Exh T- 964	1 5/16	1 9/16	7/32 45/R
10 302 Series w 1.541 Exh. VI. Hd.						
302 ci	4.9 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 952	1 3/8	1 5/8	7/32 45
		Alt. Exh. w 1.470 VI. Hd.	Alt-Exh T- 929	1 5/16	1 9/16	7/32 45
11 305 Series w 1.720 Int VI. Hd.						
305 ci	5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 929	1 5/16	1 9/16	7/32 45

MERCURY MARINE

		Part No.	ID	OD	Depth	Ang.
12 305 Mercruiser Chevrolet w 1.840 Int. VI. Hd.						
305 ci	5 L		Intake T- 1674	1 11/16	1 15/16	7/32 45
8			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
13 350 Mercruiser Chevrolet w/ 1.940 Int. VI. Hd.						
350 ci	5.7 L		Intake T- 1958	1 13/16	2	7/32 45
8			Alt-Int T- 389	1 13/16	2 1/8	7/32 45
			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
14 350 - 250, 255 w/ 1.720 Int. VI. Hd.						
350 ci	5.7 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 929	1 5/16	1 9/16	7/32 45
15 255						
351 ci	5.7 L	351 Mercruiser Ford	Intake T- 1674	1 11/16	1 15/16	7/32 45
8			Exhaust T- 952	1 3/8	1 5/8	7/32 45
16 350						
454 ci	7.4 L	Int. OEM #B7743	Intake T- 804	2	2 3/8	7/32 45
8			Exhaust T- 1635	1 1/2	1 13/16	7/32 45/R
17 454 Mercruiser Chevrolet w 1.720 Exh. VI. Hd.						
454 ci	7.4 L		Intake T- 2973	1 15/16	2 1/4	7/32 45
8			Exhaust T- 1616	1 9/16	1 13/16	7/32 45
			Alt-Exh T- 1772	1 5/8	2.006	.301 45
18 496 Mercruiser "Vortec" 8100						
496 ci	8.1 L		Intake T- 1759	1 15/16	2 1/4	3/16 45
8			Exhaust H- 647	1 13/32	1 25/32	.288 45/R
			Alt-Exh H- 771	1 7/16	1.784	.288 45/R
19 502 Mercruiser w 1.720 Exh VI. Hd.						
502 ci	8.2 L		Intake T- 2973	1 15/16	2 1/4	7/32 45
8			Exhaust T- 1616	1 9/16	1 13/16	7/32 45
		Alt. Exh. w 1.881 VI. Hd.	Alt-Exh T- 1772	1 5/8	2.006	.301 45

MINNEAPOLIS-MOLINE

			Part No.	ID	OD	Depth	Ang.
1	B						
4	1951-55		Intake T- 271	1 1/4	1 1/2	7/32	45
			Exhaust T- 222	1 1/8	1 3/8	3/16	45
2	BFH						
4	1951-55		Intake T- 271	1 1/4	1 1/2	7/32	45
			Exhaust T- 222	1 1/8	1 3/8	3/16	45
3	BG Wheel Tractor						
4	1951-55		Intake T- 271	1 1/4	1 1/2	7/32	45
			Exhaust T- 222	1 1/8	1 3/8	3/16	45
4	CE						
6	1940-56		Intake T- 1610	1 1/2	1 13/16	1/4	45
			Exhaust T- 952	1 3/8	1 5/8	7/32	45
5	CU						
6	1940-56		Intake T- 1610	1 1/2	1 13/16	1/4	45
			Exhaust T- 952	1 3/8	1 5/8	7/32	45
6	EE						
4	1939-54		Exhaust T- 277	1 1/4	1 9/16	7/32	30
7	FE						
4	1926-36		Exhaust T- 308	1 3/4	2 1/8	9/32	45
8	JE						
4	1935-39		Intake T- 1910	1 5/8	1 15/16	9/32	45
			Exhaust T- 984	1 7/16	1 3/4	1/4	45
9	KE						
4	1928-34		Exhaust T- 1922	1 5/8	2	9/32	45
10	KU Nat. & LP Gas						
4	1942-56		Intake T- 1610	1 1/2	1 13/16	1/4	45
			Exhaust T- 1803	1 3/8	1 3/4	5/16	45
11	L						
4	1940-54		Intake T- 277	1 1/4	1 9/16	7/32	30
			Exhaust T- 277	1 1/4	1 9/16	7/32	30
12	LE						
			Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 1612	1 1/2	1 7/8	7/32	45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
13	M5					
4	1957-69	Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
14	M504					
4	1957-69	Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
15	M602					
4	1957-69	Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
16	M604					
4	1957-69	Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
17	M670					
4	1957-69	Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
18	ME					
4,6	1931-46	Intake T- 1106	3	3 5/8	3/8	45
		Exhaust T- 1106	3	3 5/8	3/8	45
19	NE					
4,6	1931-46	Intake T- 1106	3	3 5/8	3/8	45
		Exhaust T- 1106	3	3 5/8	3/8	45
20	R					
4	1940-54	Intake T- 277	1 1/4	1 9/16	7/32	30
		Exhaust T- 277	1 1/4	1 9/16	7/32	30
21	SE					
4,6	1931-46	Intake T- 1106	3	3 5/8	3/8	45
		Exhaust T- 1106	3	3 5/8	3/8	45
22	SEU					
4,6	1931-46	Intake T- 1106	3	3 5/8	3/8	45
		Exhaust T- 1106	3	3 5/8	3/8	45
23	TA					
4,6	1931-46	Intake T- 1106	3	3 5/8	3/8	45
		Exhaust T- 1106	3	3 5/8	3/8	45
24	TAU					
4,6	1931-46	Intake T- 1106	3	3 5/8	3/8	45
		Exhaust T- 1106	3	3 5/8	3/8	45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
25	TE					
4,6	1931-46	Intake T- 1106	3	3 5/8	3/8	45
		Exhaust T- 1106	3	3 5/8	3/8	45
26	TEU					
4,6	1931-46	Intake T- 1106	3	3 5/8	3/8	45
		Exhaust T- 1106	3	3 5/8	3/8	45
27	TFD Series, Baler					
54 ci	0.9 L	Intake T- 695	1.150	1.380	.265	0/R
2		Exhaust T- 695	1.150	1.380	.265	0/R
28	VE4 Series Combine/Tractor: 69					
92 ci	1.5 L	Intake T- 695	1.150	1.380	.265	0/R
4		Exhaust T- 695	1.150	1.380	.265	0/R
29	VF-4, VH-4D Series					
108 ci	1.8 L	Intake T- 695	1.150	1.380	.265	0/R
4		Exhaust T- 695	1.150	1.380	.265	0/R
30	RE					
165 ci	2.7 L	Intake T- 277	1 1/4	1 9/16	7/32	30
4	1939-57	Exhaust T- 276	1 1/4	1 9/16	3/16	45
31	165-4					
165 ci	2.7 L					
4	1939-54	Exhaust T- 277	1 1/4	1 9/16	7/32	30
32	165					
165 ci	2.7 L	Intake T- 277	1 1/4	1 9/16	7/32	30
4	1956-63	Exhaust T- 236	1 3/16	1 7/16	5/32	45
33	168-2A					
168 ci	2.8 L	Intake T- 1609	1 1/2	1 13/16	7/32	45
	1957-60	Exhaust T- 952	1 3/8	1 5/8	7/32	45
34	206-4 Diesel					
206 ci	3.4 L	Intake T- 271	1 1/4	1 1/2	7/32	45
4	1956-73	Exhaust T- 236	1 3/16	1 7/16	5/32	45
35	BIG MO 600					
206 ci	3.4 L	Intake T- 277	1 1/4	1 9/16	7/32	30
4	1956-63	Exhaust T- 236	1 3/16	1 7/16	5/32	45
36	Jet Star					
206 ci	3.4 L	Intake T- 277	1 1/4	1 9/16	7/32	30
4	1956-63	Exhaust T- 236	1 3/16	1 7/16	5/32	45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
37 445 Wheel Tractor						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1956-63		Exhaust T- 236	1 3/16	1 7/16	5/32 45
38 4 Star - After 1956						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1956-63		Exhaust T- 236	1 3/16	1 7/16	5/32 45
39 206A						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1940-54		Exhaust T- 277	1 1/4	1 9/16	7/32 30
40 3 Star						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1940-54		Exhaust T- 277	1 1/4	1 9/16	7/32 30
41 4 Star - Prior To 1954						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1940-54		Exhaust T- 277	1 1/4	1 9/16	7/32 30
42 4 Star Super						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1940-54		Exhaust T- 277	1 1/4	1 9/16	7/32 30
43 445 Diesel Tractor						
206 ci	3.4 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1956-73		Exhaust T- 236	1 3/16	1 7/16	5/32 45
44 Jet Star Diesel						
206 ci	3.4 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1956-73		Exhaust T- 236	1 3/16	1 7/16	5/32 45
45 445 - 1956 & Later						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1956-63		Exhaust T- 236	1 3/16	1 7/16	5/32 45
46 BIG MO 500						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1956-63		Exhaust T- 236	1 3/16	1 7/16	5/32 45
47 206MR						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1956-63		Exhaust T- 236	1 3/16	1 7/16	5/32 45
48 206H, D206H						
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1956-63		Exhaust T- 236	1 3/16	1 7/16	5/32 45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
49	4 Star Diesel					
206 ci	3.4 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1956-73		Exhaust T- 236	1 3/16	1 7/16	5/32 45
50	4 Star Super Diesel					
206 ci	3.4 L		Intake T- 271	1 1/4	1 1/2	7/32 45
4	1956-73		Exhaust T- 236	1 3/16	1 7/16	5/32 45
51	206LR					
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1956-63		Exhaust T- 236	1 3/16	1 7/16	5/32 45
52	335					
206 ci	3.4 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1956-63		Exhaust T- 236	1 3/16	1 7/16	5/32 45
53	220A					
220 ci	3.6 L		Intake T- 277	1 1/4	1 9/16	7/32 30
4	1964-69		Exhaust T- 236	1 3/16	1 7/16	5/32 45
54	F-226					
226 ci	3.7 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6			Exhaust T- 239	1 3/16	1 7/16	7/32 45
55	F-244					
245 ci	4 L		Intake T- 952	1 3/8	1 5/8	7/32 45
			Exhaust T- 223	1 1/8	1 3/8	7/32 45
56	IND8, M Series 251 ci Chrysler Ind. Eng.					
251 ci	4.1 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6			Exhaust T- 953	1 3/8	1 5/8	1/4 45
57	IND 265, M265 Series Chrysler Ind. Eng.					
265 ci	4.3 L		Intake T- 1617	1 9/16	1 13/16	1/4 45
6			Exhaust T- 957	1 3/8	1 41/64	1/4 45
58	283A-4 Nat. & LP Gas					
283 ci	4.6 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1942-56		Exhaust T- 1803	1 3/8	1 3/4	5/16 45
59	U					
283 ci	4.6 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1933-59		Exhaust T- 952	1 3/8	1 5/8	7/32 45
60	UB					
283 ci	4.6 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1933-59		Exhaust T- 952	1 3/8	1 5/8	7/32 45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
61	UT					
283 ci	4.6 L					
4	1942-56	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 1803	1 3/8	1 3/4	5/16	45
62	UTG					
283 ci	4.6 L					
4	1942-56	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 1803	1 3/8	1 3/4	5/16	45
63	UTI					
283 ci	4.6 L					
4	1942-56	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 1803	1 3/8	1 3/4	5/16	45
64	UTS					
283 ci	4.6 L					
4	1942-56	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 1803	1 3/8	1 3/4	5/16	45
65	U302					
283 ci	4.6 L					
4	1964-69	Intake T- 277	1 1/4	1 9/16	7/32	30
		Exhaust T- 236	1 3/16	1 7/16	5/32	45
66	5 Star					
283 ci	4.6 L					
4	1957-60	Intake T- 1609	1 1/2	1 13/16	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
67	283A-4, 4 1/4" Bore					
283 ci	4.6 L					
4	1933-59	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
68	283E					
283 ci	4.6 L					
4	1957-60	Intake T- 1609	1 1/2	1 13/16	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
69	D283					
283 ci	4.6 L					
4	1933-59	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
70	336					
336 ci	5.5 L					
4	1957-69	Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
71	D336-4 Diesel					
336 ci	5.5 L					
4	1957-69	Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
72	336A					
336 ci	5.5 L					
4	1957-69	Intake T- 986	1 1/2	1 3/4	7/32	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
73	G					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4	1936-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
74	GEU					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4	1936-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
75	GT					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4	1936-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
76	GTA					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4	1936-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
77	GTB					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4	1936-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
78	GTI					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4	1936-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
79	GU					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4	1936-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
80	403-4 Nat. & LP Gas					
403 ci	6.6 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1948-56		Exhaust T- 1803	1 3/8	1 3/4	5/16 45
81	403-4, GE Series After Serial #902208					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4	1953-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
82	403-4, Low & Reg. Compression					
403 ci	6.6 L		Intake T- 1922	1 5/8	2	9/32 45
4,6	1940-56		Exhaust T- 1613	1 1/2	1 7/8	1/4 45
83	D425 Gas					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32 45
84	D425-6					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1940-56		Exhaust T- 952	1 3/8	1 5/8	7/32 45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
85	D425A					
425 ci	7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32 45
86	425-6					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1940-56		Exhaust T- 952	1 3/8	1 5/8	7/32 45
87	425-6A					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1940-56		Exhaust T- 952	1 3/8	1 5/8	7/32 45
88	G900-G					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32 45
89	GBD					
425 ci	7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32 45
90	GTBT					
425 ci	7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32 45
91	GV1 Wheel Tractor					
425 ci	7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32 45
92	GVI Diesel					
425 ci	7 L		Intake T- 987	1 1/2	1 3/4	1/4 45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32 45
93	GV1 425 Gas & LP Gas					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32 45
94	KEA					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1934-56		Exhaust T- 952	1 3/8	1 5/8	7/32 45
95	KEC					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1934-56		Exhaust T- 952	1 3/8	1 5/8	7/32 45
96	KEC Nat. & LP Gas					
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1942-56		Exhaust T- 1803	1 3/8	1 3/4	5/16 45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.	
97	KED						
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1934-56		Exhaust T- 952	1 3/8	1 5/8	7/32	45
98	KEF						
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1934-56		Exhaust T- 952	1 3/8	1 5/8	7/32	45
99	KEF Nat. & LP Gas						
425 ci	7 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
4	1942-56		Exhaust T- 1803	1 3/8	1 3/4	5/16	45
100	445 Jet Star						
445 ci	7.3 L		Intake T- 277	1 1/4	1 9/16	7/32	30
4	1940-54		Exhaust T- 277	1 1/4	1 9/16	7/32	30
101	504						
504 ci	8.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1962-73		Exhaust T- 962	1 3/8	1 11/16	1/4	45
102	D504-A6 Diesel						
504 ci	8.3 L		Intake T- 987	1 1/2	1 3/4	1/4	45
6	1959-73		Exhaust T- 955	1 3/8	1.636	7/32	45
103	504A						
504 ci	8.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1962-73		Exhaust T- 962	1 3/8	1 11/16	1/4	45
104	G705						
504 ci	8.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1962-73		Exhaust T- 962	1 3/8	1 11/16	1/4	45
105	G706						
504 ci	8.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1962-73		Exhaust T- 962	1 3/8	1 11/16	1/4	45
106	G707						
504 ci	8.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1962-73		Exhaust T- 962	1 3/8	1 11/16	1/4	45
107	G708						
504 ci	8.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1962-73		Exhaust T- 962	1 3/8	1 11/16	1/4	45
108	G1000 Wheel Tractor						
504 ci	8.3 L		Intake T- 1610	1 1/2	1 13/16	1/4	45
6	1962-73		Exhaust T- 962	1 3/8	1 11/16	1/4	45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
109 HE, Low & Reg. Comp.						
605 ci	9.9 L		Intake T- 1922	1 5/8	2	9/32 45
4,6	1940-56		Exhaust T- 1613	1 1/2	1 7/8	1/4 45
110 HEB Low & Reg. Comp.						
605 ci	9.9 L		Intake T- 1922	1 5/8	2	9/32 45
4,6	1940-56		Exhaust T- 1613	1 1/2	1 7/8	1/4 45
111 HEB Nat. & LP Gas						
605 ci	9.9 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1948-56		Exhaust T- 1803	1 3/8	1 3/4	5/16 45
112 605-6 Low & Reg. Compression						
605 ci	9.9 L		Intake T- 1922	1 5/8	2	9/32 45
4,6	1948-56		Exhaust T- 1613	1 1/2	1 7/8	1/4 45
113 605-6 Nat. & LP Gas						
605 ci	9.9 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
4	1948-56		Exhaust T- 1803	1 3/8	1 3/4	5/16 45
114 605-6A 12 Valve						
605 ci	9.9 L		Intake T- 1910	1 5/8	1 15/16	9/32 45
6	1948-56		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
115 800-6A w/10A-4210						
800 ci	13.1 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1957-68		Exhaust T- 952	1 3/8	1 5/8	7/32 45
116 800-6A w/10A-4216						
800 ci	13.1 L		Intake T- 1910	1 5/8	1 15/16	9/32 45
6	1948-57		Exhaust T- 1612	1 1/2	1 7/8	7/32 45
117 HD800-6A 12 Valve						
800 ci	13.1 L		Intake T- 1339	2 3/16	2 9/16	1/4 30
6		Stellite Exh. Available	Exhaust T- 340	1 13/16	2 3/16	1/4 45
118 HD800-10A						
800 ci	13.1 L		Intake T- 1339	2 3/16	2 9/16	1/4 30
		Stellite Exh. Available	Exhaust T- 340	1 13/16	2 3/16	1/4 45
119 1210-12 Nat. & LP Gas						
1210 ci	19.8 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
12	1948-56		Exhaust T- 1803	1 3/8	1 3/4	5/16 45
120 1210-12A						
1210 ci	19.8 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
12	1948-68		Exhaust T- 952	1 3/8	1 5/8	7/32 45

MINNEAPOLIS-MOLINE

		Part No.	ID	OD	Depth	Ang.
121	A4T-1400					
1400 ci	22.9 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1948-57		Exhaust T- 952	1 3/8	1 5/8	7/32 45
122	A4T-1600					
1600 ci	26.2 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
6	1948-57		Exhaust T- 952	1 3/8	1 5/8	7/32 45
123	1600-12A					
1600 ci	26.2 L		Intake T- 1610	1 1/2	1 13/16	1/4 45
12	1948-68		Exhaust T- 952	1 3/8	1 5/8	7/32 45

mitsubishi motors

		Part No.	ID	OD	Depth	Ang.
1	4G32, 4G33 Forklift					
1439 cc	1.4 L	88 ci	Intake T- 354	1.260	1 9/16	.280 45/R
4			Exhaust T- 385	1.060	1 3/8	.280 45/R
2	SOHC 8 valve 4G15 w/ M.P.F.I. Mirage					
1468 cc	1.5 L		Intake T- 539	1.181	1 7/16	.280 45/R
4	1989-90		Exhaust T- 353	.980	1 5/16	.293 45/R
3	SOHC 12 Valve 4G15 Mirage w 31mm Valve Head					
1468 cc	1.5 L		Intake T- 191	1.060	1 5/16	.280 45/R
4	1991-02		Exhaust T- 565	1.162	1 7/16	.310 45
4	SOHC 12 valve 4G15 Mirage w 26mm Valve Head					
1468 cc	1.5 L		Intake T- 694	.825	1 1/8	.285 0/R
4	1991-02		Exhaust T- 565	1.162	1 7/16	.310 45
5	SOHC 8 valve G4AJ Precis					
1468 cc	1.5 L		Intake T- 352	1.100	1 7/16	.293 45/R
4	1986-89		Exhaust T- 353	.980	1 5/16	.293 45/R
6	SOHC 8 valve G4DJ Precis					
1468 cc	1.5 L		Intake T- 383	1.185	1 7/16	.304 45/R
4	1990-94		Alt-Int T- 539	1.181	1 7/16	.280 45/R
			Exhaust T- 353	.980	1 5/16	.293 45/R
7	SOHC 8 valve G15B w E.F.I. Mirage					
1468 cc	1.5 L		Intake T- 352	1.100	1 7/16	.293 45/R
4	1985-88		Alt-Int T- 521	1 1/8	1 7/16	1/4 45/R
			Exhaust T- 353	.980	1 5/16	.293 45/R

MITSUBISHI MOTORS

		Part No.	ID	OD	Depth	Ang.
8 DOHC 16 Valve 4G61 w M.P.F.I. Eclipse						
1595 cc	1.6 L		Intake T- 1644	1 7/16	1 3/4	.302 45/R
4	1989-90		Alt-Int T- 540	1.415	1 3/4	.300 45/R
			Exhaust T- 416	1 3/16	1 1/2	.305 45/R
			Alt-Exh T- 541	1.180	1 1/2	.300 45/R
9 DOHC 16 Valve 4G61, 4G61T Turbo Mirage						
1597 cc	1.6 L		Intake T- 346	1.140	1 7/16	.305 45/R
4	1989-92	Alt. Int. w 1.339 VI. Hd., .316 depth	Alt-Int T- 2075	1.135	1 7/16	.316 45/R
			Exhaust T- 347	1.086	1 5/16	.305 45/R
		Alt. Exh. w 1.201 VI. Hd., .312 depth	Alt-Exh T- 570	1.045	1 5/16	5/16 45
10 SOHC 8 valve G32B w Turbo, Mirage Turbo						
1597 cc	1.6 L		Intake T- 354	1.260	1 9/16	.280 45/R
4	1985-88		Exhaust T- 385	1.060	1 3/8	.280 45/R
11 SOHC 4G37 Eclipse 89-90						
1755 cc	1.8 L		Intake T- 2075	1.135	1 7/16	.316 45/R
4	1989-90	Alt. Int. w 1.339 VI. Hd., .305 depth	Alt-Int T- 346	1.140	1 7/16	.305 45/R
			Exhaust T- 570	1.045	1 5/16	5/16 45
		Alt. Exh. w 1.201 VI. Hd., .305 depth	Alt-Exh T- 347	1.086	1 5/16	.305 45/R
12 SOHC 8 valve 4G37 Eclipse 90-94						
1755 cc	1.8 L		Intake T- 540	1.415	1 3/4	.300 45/R
4	1990-94		Alt-Int T- 477	1.360	1 3/4	.315 45/R
			Exhaust T- 416	1 3/16	1 1/2	.305 45/R
			Alt-Exh T- 541	1.180	1 1/2	.300 45/R
13 SOHC 8 valve G62B, G62BT Turbo, Cordia, Tredia						
1795 cc	1.8 L		Intake T- 386	1.455	1 3/4	.310 45/R
4	1983-88		Exhaust T- 476	1.220	1 1/2	.315 45/R
14 SOHC 16 Valve 4G93 Expo, LRV, Mirage						
1834 cc	1.8 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1992-02		Alt-Int T- 691	1.023	1 1/4	.273 45/R
			Exhaust T- 2341	.905	1 3/16	.257 45
			Alt-Exh T- 2361	.880	1 3/16	.280 45
15 SOHC 8 valve G63B w Carb. Cordia, Truck, Tredia						
1997 cc	2 L		Intake T- 1824	1 7/16	1 3/4	5/16 45
4	1982-89	Alt. Int. w 1.693 VI. Hd., .310 depth	Alt-Int T- 386	1.455	1 3/4	.310 45/R
			Exhaust T- 476	1.220	1 1/2	.315 45/R

MITSUBISHI MOTORS

		Part No.	ID	OD	Depth	Ang.
16 SOHC 8 valve 4G63 w F.I. Galant Eclipse						
1997 cc	2 L		Intake T- 1824	1 7/16	1 3/4	5/16 45
4	1989-92	Alt. Int. w 1.693 VI. Hd., .310 depth	Alt-Int T- 386	1.455	1 3/4	.310 45/R
			Exhaust T- 476	1.220	1 1/2	.315 45/R
		Alt. Exh. w 1.378 VI. Hd., .310 depth	Alt-Exh T- 387	1.220	1 1/2	.310 45/R
17 DOHC 16 valve 4G63, Turbo, Galant, Eclipse						
1997 cc	2 L		Intake T- 346	1.140	1 7/16	.305 45/R
4	1989-94	Alt. Int. w 1.339 VI. Hd., .316 depth	Alt-Int T- 2075	1.135	1 7/16	.316 45/R
			Exhaust T- 347	1.086	1 5/16	.305 45/R
		Alt. Exh. w 1.201 VI. Hd., .312 depth	Alt-Exh T- 570	1.045	1 5/16	5/16 45
18 DOHC 16 Valve Turbo 4G63T						
1997 cc	2 L		Intake T- 2075	1.135	1 7/16	.316 45/R
4	1990-99		Exhaust T- 671	1.045	1 5/16	5/16 45/R
19 SOHC Turbo Diesel 4D55						
2346 cc	2.3 L		Intake T- 1026	1.460	1 3/4	.275 45/R
4	1983-85		Exhaust T- 529	1.182	1 1/2	.275 45/R
20 SOHC 8 Valve 4G64. G64B Galant, Truck, Van						
2351 cc	2.4 L		Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1990-97		Exhaust T- 922	1 9/32	1 5/8	5/16 45/R
21 SOHC 12 valve 4G64, G64B						
2351 cc	2.4 L		Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1985-90		Exhaust T- 919	1 5/16	1 5/8	5/16 45
		Alt. Exh. w 1.496 VI. Hd., .312 depth	Alt-Exh T- 922	1 9/32	1 5/8	5/16 45/R
22 SOHC,DOHC 16 Valve 4G64 w/elec. Power Steering						
2351 cc	2.4 L		Intake T- 692	1.142	1 7/16	.336 45/R
4	1995-97		Alt-Int T- 2075	1.135	1 7/16	.316 45/R
			Exhaust T- 570	1.045	1 5/16	5/16 45
23 SOHC,DOHC 16 Valve 4G64 w/o Elec. Power steering						
2351 cc	2.4 L		Intake T- 654	1 1/8	1 3/8	.305 45/R
4	1993-05		Exhaust T- 693	.982	1.257	.329
24 SOHC 24 Valve 6G73 Galant, Expo						
2497 cc	2.5 L		Intake T- 654	1 1/8	1 3/8	.305 45/R
6	1995		Exhaust T- 570	1.045	1 5/16	5/16 45

MITSUBISHI MOTORS

		Part No.	ID	OD	Depth	Ang.
25 SOHC G54						
2555 cc	2.6 L		Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1983-89		Exhaust T- 919	1 5/16	1 5/8	5/16 45
		Alt. Exh. w 1.495 VI. Hd., .312 depth	Alt-Exh T- 922	1 9/32	1 5/8	5/16 45/R
26 SOHC 8 valve G54B, Turbo, Montero, Starion, Truck						
2555 cc	2.6 L		Intake T- 1912	1 19/32	1 7/8	5/16 45
4	1983-89		Alt-Int T- 1872	1 9/16	1 7/8	5/16 45/R
		Alt. Int. w 1.810 VI. Hd., .312 depth	Exhaust T- 919	1 5/16	1 5/8	5/16 45
		Alt. Exh. w 1.495 VI. Hd., .312 depth	Alt-Exh T- 922	1 9/32	1 5/8	5/16 45/R
27 SOHC 8 valve Turbo G54BT						
2555 cc	2.6 L		Intake T- 1872	1 9/16	1 7/8	5/16 45/R
4	1986-89		Exhaust T- 922	1 9/32	1 5/8	5/16 45/R
28 SOHC 12 Valve 6G72						
2972 cc	3 L		Intake T- 386	1.455	1 3/4	.310 45/R
6	1988-99		Exhaust T- 478	1.190	1 9/16	.315 45/R
		Exh. OEM #76775	Alt-Exh T- 579	1 1/4	1 9/16	.319 45/R
		Alt. Exh. w 1.378 VI. Hd., .319 depth				
29 SOHC 12 valve 6G72 (Alt)						
2972 cc	3 L		Exhaust T- 542	1.219	1 9/16	.317 45
6	1988-99					
		Alt. Exh. w 1.378 VI. Hd., .317 depth				
30 SOHC 24 valve 6G72						
2972 cc	3 L		Intake T- 654	1 1/8	1 3/8	.305 45/R
6	1995-05		Exhaust T- 693	.982	1.257	.329
31 DOHC 24 Valve Turbo 6G72, 300GT, Diamante						
2972 cc	3 L		Intake T- 383	1.185	1 7/16	.304 45/R
6	1991-99		Exhaust T- 570	1.045	1 5/16	5/16 45
32 DOHC 24 Valve 6G72, 399GT, Diamante						
2972 cc	3 L		Intake T- 383	1.185	1 7/16	.304 45/R
6	1991-99		Exhaust T- 570	1.045	1 5/16	5/16 45
33 SOHC 24 Valve 6G74						
3497 cc	3.5 L		Intake T- 654	1 1/8	1 3/8	.305 45/R
6	1997-04		Exhaust T- 693	.982	1.257	.329

MITSUBISHI MOTORS

		Part No.	ID	OD	Depth	Ang.
34 DOHC 24 Valve 6G74 Montero						
3497 cc	3.5 L					
6	1994-98	Intake T- 383	1.185	1 7/16	.304	45/R
		Exhaust T- 570	1.045	1 5/16	5/16	45

NISSAN/DATSUN

		Part No.	ID	OD	Depth	Ang.
1 A10						
988 cc	1 L					
4	1969-74	Intake T- 359	1.190	1 1/2	.240	45/R
		Exhaust T- 360	1.020	1 5/16	.240	45/R
2 A12						
1171 cc	1.1 L					
4	1971-73	Intake T- 359	1.190	1 1/2	.240	45/R
		Exhaust T- 360	1.020	1 5/16	.240	45/R
3 E1						
1189 cc	1.2 L					
4	1961-65	Alt. Int. w 1.375 Vl. Hd., .215 depth				
		Intake T- 271	1 1/4	1 1/2	7/32	45
		Alt-Int T- 364	1 3/16	1 1/2	.215	45/R
		Exhaust T- 213	1 1/16	1 5/16	7/32	45
4 A12A 8 valve						
1237 cc	1.2 L					
4	1980-82	Intake T- 361	1.260	1 1/2	.240	45/R
		Exhaust T- 362	1.060	1 5/16	.240	45/R
5 A13						
1288 cc	1.3 L					
4	1973-74	Intake T- 361	1.260	1 1/2	.240	45/R
		Exhaust T- 362	1.060	1 5/16	.240	45/R
6 J13						
1299 cc	1.3 L					
4	1965-73	Intake T- 364	1 3/16	1 1/2	.215	45/R
		Exhaust T- 559	1 1/16	1 5/16	.215	45/R
7 A14 8 Valve						
1393 cc	1.4 L					
4	1975-82	Intake T- 361	1.260	1 1/2	.240	45/R
		Exhaust T- 362	1.060	1 5/16	.240	45/R
8 J15 Forklift						
1483 cc	1.5 L	90 ci				
4		Intake T- 934	1 5/16	1 5/8	7/32	45
		Exhaust T- 934	1 5/16	1 5/8	7/32	45
9 A15 8 Valve						
1488 cc	1.5 L	91 ci				
4	1979-82	Intake T- 361	1.260	1 1/2	.240	45/R
		Exhaust T- 362	1.060	1 5/16	.240	45/R

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		Part No.	ID	OD	Depth	Ang.
10 SOHC E15, E15S 8 Valve						
1488 cc	1.5 L		Intake T- 354	1.260	1 9/16	.280 45/R
4	1982-83		Exhaust T- 655	1 1/16	1 5/16	9/32 45
			Alt-Exh T- 191	1.060	1 5/16	.280 45/R
11 SOHC E15T Turbo 8 Valve						
1488 cc	1.5 L	Alt. Int. w 1.457 VI. Hd., .280 depth	Intake T- 560	1.260	1 9/16	.233 45/R
4	1983-84		Alt-Int T- 354	1.260	1 9/16	.280 45/R
			Exhaust T- 191	1.060	1 5/16	.280 45/R
12 SOHC E15T Turbo 8 Valve(Alt)						
1488 cc	1.5 L	Alt. Int. w 1.457 VI. Hd., .218 depth	Intake T- 924	1 1/4	1 9/16	7/32 45
4	1983-84		Exhaust T- 191	1.060	1 5/16	.280 45/R
13 SOHC L16						
1595 cc	1.6 L		Intake T- 369	1 11/32	1 5/8	.304 45/R
4	1968-73		Exhaust T- 416	1 3/16	1 1/2	.305 45/R
14 SOHC L16 (620 model)						
1595 cc	1.6 L		Intake T- 367	1.496	1 13/16	.303 45/R
4	1968-73		Exhaust T- 416	1 3/16	1 1/2	.305 45/R
15 R16						
1595 cc	1.6 L	Alt. Int. w 1.658 VI. Hd., .278 depth	Intake T- 406	1.446	1 13/16	.307 45/R
4	1966-70		Alt-Int T- 2031	1 1/2	1 13/16	.278 45/R
			Exhaust T- 346	1.140	1 7/16	.305 45/R
			Alt-Exh T- 2517	1 3/32	1 7/16	.354 45
16 DOHC 16 Valve CA16D, CA16DE						
1597 cc	1.6 L	Alt. Int. w 1.220 VI. Hd., .218 depth	Intake T- 561	1.065	1 3/8	.203 45/R
4	1987		Alt-Int T- 298	1 3/32	1 3/8	7/32 45
			Exhaust T- 142	.905	1 1/4	.230 45/R
17 SOHC E16, E16-I, E16S-Carb & F.I.						
1597 cc	1.6 L		Intake T- 354	1.260	1 9/16	.280 45/R
4	1983-88		Exhaust T- 655	1 1/16	1 5/16	9/32 45
			Alt-Exh T- 191	1.060	1 5/16	.280 45/R

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		Part No.	ID	OD	Depth	Ang.
18 DOHC 16 Valve GA16DE						
1597 cc	1.6 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1991-99		Exhaust T- 136	.790	1 1/16	.254 45
19 SOHC 12 valve GA16, GA16-L						
1597 cc	1.6 L		Intake T- 385	1.060	1 3/8	.280 45/R
4	1989-90	Alt. Int. w .283 depth	Alt-Int T- 563	1.203	1 1/2	.283 45
			Exhaust T- 470	.965	1 1/4	1/4 45/R
20 SOHC 8 Valve CD17 Diesel						
1688 cc	1.7 L		Intake T- 1023	1.255	1 1/2	.318 45
4	1983-86		Exhaust T- 524	1 1/8	1 3/8	.325 45
21 DOHC 16 Valve QG18DE						
1769 cc	1.8 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	2000-06		Exhaust T- 136	.790	1 1/16	.254 45
22 SOHC L18						
1770 cc	1.8 L		Intake T- 367	1.496	1 13/16	.303 45/R
4	1972-74		Exhaust T- 416	1 3/16	1 1/2	.305 45/R
23 SOHC 8 Valve CA18E Turbo						
1809 cc	1.8 L		Intake T- 538	1.454	1 3/4	.277 45
4	1984-88		Exhaust T- 416	1 3/16	1 1/2	.305 45/R
24 DOHC 16 Valve CA18D, CA18DE						
1809 cc	1.8 L		Intake T- 364	1 3/16	1 1/2	.215 45/R
4	1988-89		Exhaust T- 142	.905	1 1/4	.230 45/R
25 SOHC L20B						
1952 cc	2 L		Intake T- 367	1.496	1 13/16	.303 45/R
4	1974-80		Alt-Int T- 2026	1 7/16	1 13/16	5/16 45/R
			Exhaust T- 416	1 3/16	1 1/2	.305 45/R
26 SOHC 8 Valve Z20, Z20E, Z20S						
1952 cc	2 L		Intake T- 417	1 13/32	1 13/16	.317 45/R
4	1980-84		Exhaust T- 418	1 1/4	1 5/8	.303 45/R

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		Part No.	ID	OD	Depth	Ang.
27 SOHC 8 Valve CA20E, CA20S						
1974 cc	2 L		Intake T- 538	1.454	1 3/4	.277 45
4	1982-89	Alt. Int. w 1.617 VI. Hd., .310 depth	Alt-Int T- 386	1.455	1 3/4	.310 45/R
			Exhaust T- 416	1 3/16	1 1/2	.305 45/R
		Alt. Exh. w 1.381 VI. Hd., .312 depth	Alt-Exh T- 616	1.201	1 1/2	5/16 45
28 H20, H20-2 Forklift						
1982 cc	2 L	121 ci	Intake T- 976	1 13/32	1 11/16	1/4 45
4		Exh. OEM #117159	Exhaust T- 229	1 1/8	1 7/16	5/16 45
29 U20						
1982 cc	2 L		Intake T- 1676	1.615	1 15/16	.315 45/R
4	1968-70		Exhaust T- 922	1 9/32	1 5/8	5/16 45/R
		Alt. Exh. w 1.420 VI. Hd., .312 depth	Alt-Exh T- 913	1 1/4	1 5/8	5/16 45
30 DOHC 16 Valve SR20DE						
1998 cc	2 L		Intake T- 673	1.162	1.444	.214 0/R
4	1991-01		Exhaust T- 674	.982	1.257	.212 0/R
31 SD22 8 Valve Diesel						
2164 cc	2.2 L		Intake T- 280	1 19/64	1 9/16	.260 30/R
4	1981-83	Exh. OEM #164763B	Exhaust T- 228	1 1/8	1 7/16	1/4 45
		Alt. Exh. w 1.260 VI. Hd., .305 depth	Alt-Exh T- 346	1.140	1 7/16	.305 45/R
32 SOHC 8 Valve Z22, Z22E, Z22S						
2187 cc	2.2 L		Intake T- 417	1 13/32	1 13/16	.317 45/R
4	1981-83		Exhaust T- 418	1 1/4	1 5/8	.303 45/R
33 SOHC 12 valve KA24E						
2389 cc	2.4 L		Intake T- 2048	1 3/8	1 11/16	.295 45/R
4	1989-97	Alt. Int. w 1.575 VI. Hd., .280 depth	Alt-Int T- 1048	1 3/8	1 11/16	9/32 45/R
			Exhaust T- 416	1 3/16	1 1/2	.305 45/R
34 DOHC 16 Valve KA24DE						
2389 cc	2.4 L		Intake T- 364	1 3/16	1 1/2	.215 45/R
4	1991-04		Exhaust T- 362	1.060	1 5/16	.240 45/R

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		Part No.	ID	OD	Depth	Ang.
35 SOHC 8 Valve Z24, Z24-I						
2389 cc	2.4 L		Intake T- 2837	1.535	1 13/16	.266 45/R
4	1983-89		Alt-Int T- 1076	1.535	1.819	.293 45
			Exhaust T- 418	1 1/4	1 5/8	.303 45/R
		Alt. Exh. w 1.500 VI. Hd., .292 depth	Alt-Exh T- 1056	1.260	1 5/8	.292 45
36 SOHC 12 Valve L24, L24E						
2393 cc	2.4 L		Intake T- 386	1.455	1 3/4	.310 45/R
6	1970-84		Exhaust T- 416	1 3/16	1 1/2	.305 45/R
37 SD25 8 Valve Diesel Forklift						
2488 cc	2.5 L	153 ci	Intake T- 953	1 3/8	1 5/8	1/4 45
4	1983-87		Exhaust T- 563	1.203	1 1/2	.283 45
		Alt. Exh. w 1.339 VI. Hd., .281 depth	Alt-Exh T- 530	1 7/32	1 1/2	9/32 45
38 SOHC 12 Valve L26						
2565 cc	2.6 L		Intake T- 386	1.455	1 3/4	.310 45/R
6	1974-75		Exhaust T- 416	1 3/16	1 1/2	.305 45/R
39 SOHC 12 Valve L28, L28E						
2753 cc	2.8 L		Intake T- 423	1.530	1 13/16	.305 45/R
6	1975-83		Exhaust T- 416	1 3/16	1 1/2	.305 45/R
40 SOHC 12 Valve Turbo L28ET						
2753 cc	2.8 L		Intake T- 423	1.530	1 13/16	.305 45/R
6	1981-83		Exhaust T- 416	1 3/16	1 1/2	.305 45/R
41 SOHC 12 Valve LD28 Diesel						
2793 cc	2.8 L		Intake T- 564	1.338	1 11/16	.309 45/R
6	1981-84	Alt. Int. w 1.535 VI. Hd., .312 depth	Alt-Int T- 925	1 5/16	1 11/16	5/16 45
			Exhaust T- 565	1.162	1 7/16	.310 45
		Alt. Exh. w 1.260 VI. Hd., .304 depth	Alt-Exh T- 383	1.185	1 7/16	.304 45/R
42 SOHC 12 Valve LD28 Diesel (alt)						
2793 cc	2.8 L	Alt. Int. w 1.540 VI. Hd., .325 depth	Intake T- 468	1.345	1 11/16	.325 45/R
6	1981-84	Alt. Exh. w 1.267 VI. Hd., .305 depth	Exhaust T- 346	1.140	1 7/16	.305 45/R
		Alt. Exh. w 1.260 VI. Hd., .265 depth	Alt-Exh T- 695	1.150	1.380	.265 0/R

NISSAN/DATSUN

		Part No.	ID	OD	Depth	Ang.
43	V30D, V30DT, VG30D					
2960 cc	3 L					
6	1990-93	Intake T- 364	1 3/16	1 1/2	.215	45/R
		Exhaust T- 566	.965	1 5/16	.235	45/R
44	DOHC 24 Valve VE30DE					
2960 cc	3 L					
6	1992-95	Intake T- 149	1.175	1 1/2	.236	45/R
		Exhaust T- 362	1.060	1 5/16	.240	45/R
45	SOHC 12 Valve VG30, VG30E, VG30T Turbo					
2960 cc	3 L					
6	1984-98	Intake T- 2031	1 1/2	1 13/16	.278	45/R
	Alt. Int. w 1.650 VI. Hd., .307 depth	Alt-Int T- 406	1.446	1 13/16	.307	45/R
		Exhaust T- 546	1.179	1 1/2	.293	45/R
	Alt. Exh. w 1.380 VI. Hd., .305 depth	Alt-Exh T- 416	1 3/16	1 1/2	.305	45/R
46	DOHC 24 valve VG30D, VG30DE, V30DTT Turbo					
2960 cc	3 L					
6	1990-96	Intake T- 149	1.175	1 1/2	.236	45/R
	Alt. Int. w 1.339 VI. Hd., .215 depth	Alt-Int T- 364	1 3/16	1 1/2	.215	45/R
		Exhaust T- 566	.965	1 5/16	.235	45/R
47	H30 Forklift					
2974 cc	3 L	182 ci				
4		Exh. OEM #117159				
		Intake T- 976	1 13/32	1 11/16	1/4	45
		Exhaust T- 229	1 1/8	1 7/16	5/16	45
48	SOHC 12 Valve VG33E, VG33ER supercharged					
3275 cc	3.3 L					
6	1996-04	Intake T- 2031	1 1/2	1 13/16	.278	45/R
		Exhaust T- 546	1.179	1 1/2	.293	45/R
49	DOHC 32 Valve VH45DE					
4494 cc	4.5 L	Infiniti Q45				
8	1990-97	Intake T- 560	1.260	1 9/16	.233	45/R
		Exhaust T- 547	1.085	1 3/8	.236	45/R

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		Part No.	ID	OD	Depth	Ang.
1	FS 13" Cyl Head					
	OEM #8477-2730					
		Intake T- 4034	4 1/2	5.253	1.225	30/R
		Exhaust T- 4034	4 1/2	5.253	1.225	30/R
2	FS 9 X 11 1/2					
		Intake T- 6517	3 1/2	4 7/32	5/8	45/R
		Exhaust T- 6517	3 1/2	4 7/32	5/8	45/R
3	FS 9 X 11 1/2					
	Exh. OEM #8477-2634					
		Exhaust T- 1400	3 1/2	4	29/64	20

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	Part No.	ID	OD	Depth	Ang.	
4	FS 9 X 11 1/2					
	OEM #8477-2668	Intake T- 6514	3.474	4 1/4	9/16	45/R
		Exhaust T- 6514	3.474	4 1/4	9/16	45/R
5	FS 9 X 11 1/2, Gas					
	Exh. OEM #8477-2680	Exhaust T- 1404	3 1/2	4	29/64	30
6	FS-13					
	OEM #8477-2787	Intake T- 7203	4 15/16	5.904	35/64	30
		Exhaust T- 7203	4 15/16	5.904	35/64	30
7	FS-13					
	OEM #8477-2772	Intake T- 6555	4 1/2	5.741	.885	20/R
		Exhaust T- 6555	4 1/2	5.741	.885	20/R
8	FS-13					
	OEM #8477-2713	Intake T- 7201	4 15/16	5 7/8	35/64	30
		Exhaust T- 7201	4 15/16	5 7/8	35/64	30
9	FS-13					
	OEM #8477-2658	Intake T- 6509	4 1/2	5 1/4	1 1/4	20
		Exhaust T- 6509	4 1/2	5 1/4	1 1/4	20
10	FS-13					
	OEM #8477-2638	Intake T- 6507	4 1/2	5 1/4	1 1/4	30
		Exhaust T- 6507	4 1/2	5 1/4	1 1/4	30
11	FS-13					
	OEM #8477-2702	Intake T- 6512	5	5 7/8	3/4	45/R
		Exhaust T- 6512	5	5 7/8	3/4	45/R
12	FS-13 1/2					
	Int. OEM #8477-3101	Intake T- 6551	4 1/2	5.742	61/64	30/R
13	FS-13 1/2 X 16 1/2					
	Int. OEM #8477-2576	Intake T- 2858	1 17/32	2.064	.400	30
14	FS-13 1/2 X 16 1/2					
	Int. OEM #8477-2463	Intake T- 2855	1 17/32	2.002	.400	30
15	FS-13 1/2 X 16 1/2					
	Int. OEM #8477-2527	Intake T- 2856	1 17/32	2.017	.400	30

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		Part No.	ID	OD	Depth	Ang.
16	FS-13 1/2 X 16 1/2					
	Int. OEM #8477-2549	Intake T- 2857	1 17/32	2.034	.400	30
17	FS-13 Inline, GV Ins.					
	Int. OEM #8477-2601	Intake T- 1787	1 17/32	2 1/8	9/16	15
18	FS-13 X 13 1/2					
	OEM #8477-2755	Intake T- 4035	5	5 7/8	9/16	30
		Exhaust T- 4035	5	5 7/8	9/16	30
19	FS-13 X 13 1/2					
	OEM #8477-2726	Intake T- 4036	5	5 7/8	9/16	45
		Exhaust T- 4036	5	5 7/8	9/16	45
20	FS-13 X 16 1/2					
	Int. OEM #8477-2617	Intake T- 1778	1 17/32	2 1/8	9/16	30
21	FS-13-HSC					
	OEM #8477-2761	Intake T- 6550	4 1/2	5.740	61/64	20/R
		Exhaust T- 6550	4 1/2	5.740	61/64	20/R
22	FS-13-HSC					
	OEM #8477-2740	Intake T- 6531	4 1/2	5.731	61/64	30/R
		Exhaust T- 6531	4 1/2	5.731	61/64	30/R
23	FS-138-HSE					
	Int. OEM #8477-2416	Intake T- 2735	1 17/32	2.002	3/8	45
24	FS-138-HSE					
	Int. OEM #8477-2522	Intake T- 2736	1 17/32	2.012	3/8	45
25	FS-138-HSE					
	Int. OEM #8477-2533	Intake T- 2737	1 17/32	2.034	3/8	45
26	FS-138-HSE					
	Int. OEM #8477-2566	Intake T- 2738	1 17/32	2.064	3/8	45
27	FS-98-SC					
	OEM #8477-2630	Intake T- 1410	3 1/2	4.003	.490	30
		Exhaust T- 1410	3 1/2	4.003	.490	30

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		Part No.	ID	OD	Depth	Ang.
28	FS; FSG-13-HSO					
	Exh. OEM #8477-2780	Exhaust T- 6553	4 1/2	5.741	1	45/R
29	FS; FSG-13-HSO					
	Exh. OEM #8477-2779	Exhaust T- 6552	4 1/2	5.731	1	45/R
30	FSE-13					
	OEM #8477-2658	Intake T- 6509	4 1/2	5 1/4	1 1/4	20
	Alt. Int. & Exh. OEM#8477-2653	Alt-Int T- 6508	4 1/2	5 1/4	1 1/4	15
		Exhaust T- 6509	4 1/2	5 1/4	1 1/4	20
		Alt-Exh T- 6508	4 1/2	5 1/4	1 1/4	15
31	FSE-13 - Alt. Int.					
	Int. OEM #8477-2743	Intake T- 7200	4 15/16	5.877	1/2	20
	Exh. OEM #8477-2653	Exhaust T- 6508	4 1/2	5 1/4	1 1/4	15
32	FSE-13 1/2					
	Int. OEM #8477-2573	Intake T- 6560	4 1/2	5.741	1.421	30/R
33	FSE-13 X 16					
	OEM #8477-2653	Intake T- 6508	4 1/2	5 1/4	1 1/4	15
		Exhaust T- 6508	4 1/2	5 1/4	1 1/4	15
34	FSE-13 X 16-HSC With Fuel Inj.					
	Int. OEM #8477-2463	Intake T- 2855	1 17/32	2.002	.400	30
35	FSE-13; FSG					
	Int. OEM #8477-2110	Intake T- 1049	1 1/4	2.128	9/16	30
36	FSE-136					
		Intake T- 4030	4 5/8	5.583	9/16	30
		Exhaust T- 4030	4 5/8	5.583	9/16	30
37	FSE-136 Fuel Inj.					
		Intake T- 1701	1 1/2	2.131	1/2	15
38	FSE-138					
	Int. OEM #8477-2573	Intake T- 6560	4 1/2	5.741	1.421	30/R
	Exh. OEM #8477-2753	Exhaust T- 6561	4 1/2	5.741	1.421	20/R

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	Part No.	ID	OD	Depth	Ang.	
39	FSE-138-HSC					
	OEM #8477-2753	Intake T- 6561	4 1/2	5.741	1.421	20/R
		Exhaust T- 6561	4 1/2	5.741	1.421	20/R
40	FSE-4 1/2 X 5 1/4					
		Intake T- 1503	1 1/2	2 1/8	9/16	30
41	FSE-4 1/2 X 5 1/4 Gas - F.I.					
	Exh. OEM #8477-2322	Exhaust T- 1813	1 1/2	1 13/16	11/32	45
42	FSE-96					
	Int. OEM #8477-1378	Intake T- 209	1	1 1/2	13/32	30
43	FSE; FSG-13 1/2					
	Int. OEM #8477-2600	Intake T- 1786	1 17/32	2 1/8	9/16	20
44	FSG 9 X 11 1/2 Gas					
	Int. OEM #8477-1306	Intake T- 209	1	1 1/2	13/32	30
45	FSG 9 X 11 1/2 Gas					
		Intake T- 1114	3 7/32	3 3/4	3/8	30
46	FSG-1316					
		Intake T- 2824	1 1/2	2 1/16	37/64	45
47	FSG-138-HSC					
	Int. OEM #8477-2617	Intake T- 1778	1 17/32	2 1/8	9/16	30
48	FSV-13 X 13 1/2					
	OEM #8477-2726	Intake T- 4036	5	5 7/8	9/16	45
		Exhaust T- 4036	5	5 7/8	9/16	45
49	FSV-13 X 13 1/2					
	OEM #8477-2755	Intake T- 4035	5	5 7/8	9/16	30
		Exhaust T- 4035	5	5 7/8	9/16	30
50	HSC					
	OEM #8477-2653	Intake T- 6508	4 1/2	5 1/4	1 1/4	15
		Exhaust T- 6508	4 1/2	5 1/4	1 1/4	15

Omc Marine

		Part No.	ID	OD	Depth	Ang.
1 OHV Chevrolet 100, 110, 120 H.P.						
153 ci	2.5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
4			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
2 OHV Buick 140 H.P.						
181 ci	3 L	Int. w 1.720 VI. Hd., .218 depth	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
4		Exh. W 1.500 VI. Hd., .218 depth	Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
3 OHV Buick 140 H.P.						
181 ci	3 L	Int. w 1.940 VI. Hd., .218 depth	Intake T- 389	1 13/16	2 1/8	7/32 45
4		Exh. w 1.600 VI. Hd., .218 depth	Exhaust T- 981	1 7/16	1 11/16	7/32 45
4 OHV Chevrolet 165 H.P.						
250 ci	4.1 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
6			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
5 OHV Chevrolet 185 H.P.						
283 ci	4.6 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
6 OHV Ford 170, 175, 190 H.P.						
302 ci	5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 929	1 5/16	1 9/16	7/32 45
7 OHV Chevrolet 210, 215, 225, 230, 235, 245 H.P.						
307 ci	5 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8		Alt. Int. w 1.940 VI. Hd., .218 depth	Alt-Int T- 389	1 13/16	2 1/8	7/32 45
			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
8 OHV Chevrolet 250, 260, 290 H.P.						
350 ci	5.7 L		Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8		Alt. Int. w 1.940 VI. Hd., .218 depth	Alt-Int T- 389	1 13/16	2 1/8	7/32 45
			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R
9 OHV Ford 235 H.P.						
351 ci	5.8 L	Int. w 1.782 VI. Hd., .218 depth	Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8		Exh. w 1.460 VI. Hd., .218 depth	Exhaust T- 929	1 5/16	1 9/16	7/32 45
10 OHV Ford 235 H.P.						
351 ci	5.8 L	Int. w 1.842 VI. Hd., .218 depth	Intake T- 1674	1 11/16	1 15/16	7/32 45
8		Exh. w 1.541 VI. Hd., .218 depth	Exhaust T- 952	1 3/8	1 5/8	7/32 45

ONAN CORPORATION

		Part No.	ID	OD	Depth	Ang.
1	CCK, Super CGK					
2		Exhaust T- 210	1	1.194	5/32	---
2	CK					
2		Intake T- 266	1	1.194	3/8	---
		Exhaust T- 567	1 1/4	1.444	3/8	---
3	DSP					
2		Exhaust T- 252	1 7/32	1.409	5/16	---
4	JB, JC, J60					
2		Intake T- 1029	1 3/8	1.551	23/64	45
		Exhaust T- 568	1 5/64	1.365	23/64	45
5	VFA, W4A Diesel					
140 ci 2.3 L		Intake T- 2382	1.306	1.593	.224	
4		Exhaust T- 2383	1.236	1.4605	.236	
6	6AT Turbo Diesel					
359 ci 5.9 L		Intake T- 2382	1.306	1.593	.224	
6		Exhaust T- 2383	1.236	1.4605	.236	

OPEL

		Part No.	ID	OD	Depth	Ang.
1	OHV G180Z Isuzu					
1817 cc 1.8 L		Intake T- 457	1.410	1 3/4	.279	45/R
4 1976-79		Exhaust T- 458	1.203	1 1/2	.277	45/R
2	OHV GT1900					
1897 cc 1.9 L		Intake T- 984	1 7/16	1 3/4	1/4	45
4 1970-80		Exhaust T- 272	1 1/4	1 1/2	1/4	45

PAGE

		Part No.	ID	OD	Depth	Ang.
1	8361					
		Intake T- 2233	4	4 13/16	9/16	45
		Exhaust T- 2233	4	4 13/16	9/16	45
2	8561-A					
		Intake T- 4024	4	4.762	5/8	45
		Exhaust T- 4024	4	4.762	5/8	45

PAGE

	Part No.	ID	OD	Depth	Ang.	
3	8834					
		Exhaust T- 4054	4 1/2	5 3/8	11/16	45
4	8834 - 1/8 Oversize					
		Exhaust T- 4055	4 1/2	5 1/2	11/16	45

PAXMAN

	Part No.	ID	OD	Depth	Ang.	
1	English Series					
		Intake T- 1041	2.850	3.502	7/16	15
		Exhaust T- 631	2 7/16	3.002	7/16	15
2	RPH					
		Exhaust T- 615	2 7/16	2 7/8	5/16	45
3	YG					
		Intake T- 2079	1 15/16	2 5/16	11/32	30
		Exhaust T- 493	1 13/16	2 3/16	11/32	45
4	YH					
		Exhaust T- 503	2 3/4	3 1/4	3/8	45
5	YJ					
		Intake T- 1225	2 9/16	3 1/8	21/64	30
		Exhaust T- 729	2 5/16	2 3/4	.288	30

PEGASO

	Part No.	ID	OD	Depth	Ang.	
1	9000, 9051					
6		Intake T- 1586	1.475	1.697	.303	45
		Exhaust T- 600	1.157	1.382	.303	45
2	9031, 9033					
6		Intake T- 2080	1.575	1.969	.374	45
		Exhaust T- 883	1.300	1.626	3/8	45
3	9105 (200CV)					
6		Intake T- 1525	1 1/2	1 3/4	5/16	45
		Exhaust T- 1534	1.268	1.599	5/16	45

PEGASO

		Part No.	ID	OD	Depth	Ang.
4	9109/2 (260CV)					
6		Intake T- 1044	1.418	1.752	.315	45
		Exhaust T- 1534	1.268	1.599	5/16	45
5	9130, 9135					
6		Intake T- 1681	1.614	2.048	.197	45
		Exhaust T- 1682	1 1/2	1.930	.276	45
6	9152/2 (210CV)					
6		Intake T- 1543	1.969	2.414	.394	45
		Exhaust T- 1544	1.969	2.422	.394	45
7	9154, 9156, 9157, 9220					
6		Intake T- 884	1.300	1.634	3/8	45
		Exhaust T- 885	1.300	1.654	.374	45
8	Comet					
		Intake T- 1042	1.457	1 15/16	.197	45
		Exhaust T- 1043	1.339	1 7/8	.276	45
9	Europa					
	Alternate Intake & Exhaust	Intake T- 1683	1.654	2.107	.256	45
		Alt-Int T- 1684	1.654	2 3/16	.256	45
		Exhaust T- 2843	1.536	1.910	.296	45
		Alt-Exh T- 2844	1.536	2	.296	45
10	Super Comet					
		Intake T- 1680	1.614	2 1/8	.197	45
		Exhaust T- 2842	1 1/2	2	.276	45

PERKINS

		Part No.	ID	OD	Depth	Ang.	
1	3-144 Python 2.36 LTR						
149 ci 3	2.36 L	Intake T- 907	1 13/32	1 41/64	3/16	45	
		Exhaust T- 248	1 3/16	1 27/64	3/16	45	
2	P3						
149 ci 3	2.36 L	Intake T- 907	1 13/32	1 41/64	3/16	45	
		Exhaust T- 248	1 3/16	1 27/64	3/16	45	
3	3A 152 Diesel, 3AD152 D.I. Diesel						
152 ci 3	2.5 L	for heads w/ factory installed seats	Intake T- 459	1 13/32	1 7/8	7/32	45/R
		Alt. Int. w/o taper	Alt-Int T- 498	1 13/32	1 7/8	7/32	45
		Exhaust T- 460	1 13/64	1.681	5/16	45	

PERKINS

			Part No.	ID	OD	Depth	Ang.
4	3A 152 Diesel, 3AD152 D.I. Diesel						
152 ci 3	2.5 L	for heads w/o factory installed seats	Intake T- 952	1 3/8	1 5/8	7/32	45
		Exh. OEM #5116196	Exhaust T- 249	1 13/64	1 7/16	7/32	30/R
		Alt. Exh. w/o taper	Alt-Exh T- 239	1 3/16	1 7/16	7/32	45
5	P4						
196 ci 4	3.15 L		Intake T- 907	1 13/32	1 41/64	3/16	45
			Exhaust T- 248	1 3/16	1 27/64	3/16	45
6	P4A						
196 ci 4	3.15 L		Intake T- 907	1 13/32	1 41/64	3/16	45
			Exhaust T- 248	1 3/16	1 27/64	3/16	45
7	P6 Panther						
196 ci 4	3.15 L		Intake T- 907	1 13/32	1 41/64	3/16	45
			Exhaust T- 248	1 3/16	1 27/64	3/16	45
8	PB Puma 4.921						
196 ci 4	3.15 L		Intake T- 907	1 13/32	1 41/64	3/16	45
			Exhaust T- 248	1 3/16	1 27/64	3/16	45
9	PF						
196 ci 4	3.15 L		Intake T- 907	1 13/32	1 41/64	3/16	45
			Exhaust T- 248	1 3/16	1 27/64	3/16	45
10	PG						
196 ci 4	3.15 L		Intake T- 907	1 13/32	1 41/64	3/16	45
			Exhaust T- 248	1 3/16	1 27/64	3/16	45
11	4.203 Req.: D4-203 Direct Inj.						
4			Intake T- 459	1 13/32	1 7/8	7/32	45/R
			Exhaust T- 460	1 13/64	1.681	5/16	45
12	4A-203 Diesel, 4-AD203 Direct Inj. Diesel						
203 ci 4	3.3 L	for heads w/o factory installed seats	Intake T- 952	1 3/8	1 5/8	7/32	45
		Exh. OEM #5116196	Exhaust T- 249	1 13/64	1 7/16	7/32	30/R
			Alt-Exh T- 239	1 3/16	1 7/16	7/32	45
13	4A-203 Diesel, 4-AD203 Direct inj. Diesel						
203 ci 4	3.3 L	for heads w/ factory installed seats	Intake T- 459	1 13/32	1 7/8	7/32	45/R
			Alt-Int T- 498	1 13/32	1 7/8	7/32	45
			Exhaust T- 460	1 13/64	1.681	5/16	45

PERKINS

			Part No.	ID	OD	Depth	Ang.
14 4.220cc Diesel							
4			Intake T- 1964	1 11/16	1 15/16	3/16	45
			Exhaust T- 981	1 7/16	1 11/16	7/32	45
15 A4-236 Diesel, G4-236 Gas, 4-248 Diesel							
236 ci	3.9 L	for heads w/o factory installed seats	Intake T- 1968	1 9/16	1 7/8	7/32	45
4			Exhaust T- 924	1 1/4	1 9/16	7/32	45
16 A4-236 Diesel, G4-236 Gas, 4-248 Diesel							
236 ci	3.9 L	for head w/ factory installed seats	Intake T- 1570	1 19/32	2.020	9/32	45
4		Exh. OEM #33152154	Exhaust T- 1934	1 1/4	1.690	3/8	45/C
17 L4 OHV							
4220 cc	4.2 L		Intake T- 1964	1 11/16	1 15/16	3/16	45
4			Exhaust T- 1628	1 7/16	1 11/16	3/16	45
18 4.248 Diesel							
248 ci	4.2 L	for heads with factory installed seats	Intake T- 1570	1 19/32	2.020	9/32	45
4		Exh. OEM #33152154	Exhaust T- 1934	1 1/4	1.690	3/8	45/C
19 4.248 Diesel							
248 ci	4.2 L	for heads w/o factory installed seats	Intake T- 1968	1 9/16	1 7/8	7/32	45
4			Exhaust T- 924	1 1/4	1 9/16	7/32	45
20 4.270cc							
4			Intake T- 1964	1 11/16	1 15/16	3/16	45
			Exhaust T- 981	1 7/16	1 11/16	7/32	45
21 JA300 Diesel							
4			Intake T- 1964	1 11/16	1 15/16	3/16	45
			Exhaust T- 981	1 7/16	1 11/16	7/32	45
22 6-305 Diesel							
305 ci	5 L	for head w/ factory installed seats	Intake T- 459	1 13/32	1 7/8	7/32	45/R
6			Exhaust T- 460	1 13/64	1.681	5/16	45
23 6-305 Diesel							
305 ci	5 L	for heads w/o factory installed seats	Intake T- 952	1 3/8	1 5/8	7/32	45
6			Exhaust T- 239	1 3/16	1 7/16	7/32	45
24 6-340							
6			Intake T- 1964	1 11/16	1 15/16	3/16	45
			Exhaust T- 1623	1 7/16	1 11/16	5/32	45
25 F340							
6			Intake T- 1964	1 11/16	1 15/16	3/16	45
			Exhaust T- 1623	1 7/16	1 11/16	5/32	45

PERKINS

		Part No.	ID	OD	Depth	Ang.	
26	R6						
6		Intake T- 1964	1 11/16	1 15/16	3/16	45	
		Exhaust T- 1623	1 7/16	1 11/16	5/32	45	
27	A6-354, AT6-354, ATC6-354 Turbo Diesel 12 Valve						
354 ci	5.8 L	for heads with factory installed seats	Intake T- 1570	1 19/32	2.020	9/32	45
6		Exh. OEM #33152154	Exhaust T- 1934	1 1/4	1.690	3/8	45/C
		Alternate Exhaust	Alt-Exh T- 926	1 1/4	1.690	3/8	---
28	D354, A6-354 Diesel, AT6-354,ATC6-354 Turbo Diesel						
354 ci	5.8 L	for heads w/o factory installed seats	Intake T- 1968	1 9/16	1 7/8	7/32	45
6			Exhaust T- 924	1 1/4	1 9/16	7/32	45
29	D354, A6-354 Diesel, AT6-354,ATC6-354 Turbo Diesel						
354 ci	5.8 L	for heads w/ factory installed seats	Intake T- 1570	1 19/32	2.020	9/32	45
6		Exh. OEM #33152154	Exhaust T- 1934	1 1/4	1.690	3/8	45/C

PEUGEOT

		Part No.	ID	OD	Depth	Ang.
1	4.88, 4.90 Indenoir					
		Intake T- 617	1 11/32	1 3/4	5/16	45
		Exhaust T- 2081	1 3/16	1 9/16	5/16	---
2	404 Diesel					
5		Intake T- 363	1 15/32	1 3/4	5/16	45
		Exhaust T- 616	1.201	1 1/2	5/16	45
3	404					
4		Intake T- 1527	1 17/32	1 3/4	5/16	45
		Exhaust T- 542	1.219	1 9/16	.317	45
4	403, 403A, 403B					
4	1955-56	Intake T- 808	2	2 3/8	3/8	45
		Exhaust T- 609	1 1/16	1 7/16	7/32	45
5	SOHC XN Peugeot 505					
1971 cc	2 L	Intake T- 2031	1 1/2	1 13/16	.278	45/R
4	1986-90	Exhaust T- 1047	1 5/16	1 5/8	.276	45/R
6	XD90 Diesel, Peugeot 504 Diesel					
2112 cc	2.1 L	Intake T- 2146	1.345	1.649	.250	45/R
4	1986-90	Exhaust T- 635	1.166	1 7/16	1/4	45/R

PEUGEOT

		Part No.	ID	OD	Depth	Ang.	
7	N9T, ZDJL						
2165 cc	2.2 L	Peugeot 505	Intake T- 2031	1 1/2	1 13/16	.278	45/R
4	1986-90		Exhaust T- 1047	1 5/16	1 5/8	.276	45/R
8	XD2 Diesel, XD2S Turbo Diesel						
2304 cc	2.3 L	Early w large Glow Plug, 504, 505, & 604 Diesel & Turbo Diesel	Intake T- 468	1.345	1 11/16	.325	45/R
4	1977-83		Exhaust T- 635	1.166	1 7/16	1/4	45/R
9	504, 505, 604 Diesel & Turbo Diesel						
2304 cc	2.3 L	Late w Small Glow Plug	Intake T- 2146	1.345	1.649	.250	45/R
4	1977-83		Exhaust T- 635	1.166	1 7/16	1/4	45/R
10	SOHC PRV, ZM112, 504, 604, 604SL						
2664 cc	2.7 L		Intake T- 2848	1.538	1 13/16	1/4	45/R
6	1977-80		Exhaust T- 1532	1.275	1 9/16	.258	45/R
11	SOHC PRV, ZN3J						
2848 cc	2.8 L	Peugeot 505	Intake T- 2031	1 1/2	1 13/16	.278	45/R
6	1986-90		Exhaust T- 1047	1 5/16	1 5/8	.276	45/R

PORSCHE

		Part No.	ID	OD	Depth	Ang.	
1	1679cc Air Cooled Porsche 914						
1679 cc	1.7 L		Intake T- 2093	1 11/32	1 5/8	11/32	45/R
4	1970-73		Exhaust T- 2083	1.112	1 3/8	11/32	45/R
2	1971cc Air Cooled Porsche 912E, 914						
1971 cc	2 L		Intake T- 1046	1.458	1 3/4	11/32	45/R
4	1973-76		Exhaust T- 351	1.210	1 1/2	.345	45/R
3	OHC 924 W, X Series Air Cooled except Turbo						
1984 cc	2 L		Intake T- 2084	1 3/8	1 11/16	.362	45/R
4	1977-80		Exhaust T- 383	1.185	1 7/16	.304	45/R
4	1991cc Air Cooled 911S, 911T						
1991 cc	2 L		Intake T- 1686	1 39/64	1 15/16	.330	45/R
6	1966-77		Exhaust T- 1873	1 3/8	1 11/16	5/16	45/R
5	2115cc Air Cooled 911						
2115 cc	2.1 L		Intake T- 1686	1 39/64	1 15/16	.330	45/R
6	1966-77		Exhaust T- 1873	1 3/8	1 11/16	5/16	45/R
6	2341cc Air Cooled 911						
2341 cc	2.3 L		Intake T- 1686	1 39/64	1 15/16	.330	45/R
6	1966-77		Exhaust T- 1873	1 3/8	1 11/16	5/16	45/R

PORSCHE

		Part No.	ID	OD	Depth	Ang.
7	911E					
1969		Intake T- 618	1 29/64	1 7/8	5/16	45/R
		Exhaust T- 886	1.300	1 11/16	5/16	45/R
8	SOHC 2479cc Air Cooled 944					
2479 cc 2.5 L		Intake T- 1872	1 9/16	1 7/8	5/16	45/R
4 1983-85		Exhaust T- 1045	1 3/8	1.632	5/16	45/R

REO TRUCK

		Part No.	ID	OD	Depth	Ang.
1	OA-110					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
2	OA-130					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
3	OA-145					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
4	OA-255					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
5	OA-292					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6	OA-331					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
7	OH-160					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
8	OH-170					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
9	OH-185					
6		Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30

REO TRUCK

		Part No.	ID	OD	Depth	Ang.
10	OH-186	Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6						
11	OH-200	Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6						
12	OV-195	Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6						
13	OV-200	Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6						
14	OV-207	Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6						
15	OV-220	Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6						
16	OV-225	Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6						
17	OV-235	Intake T- 303	1 3/4	2	9/32	45
		Exhaust T- 1925	1 5/8	2	11/32	30
6						

ROLINE

		Part No.	ID	OD	Depth	Ang.
1	D176, D201, D226	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 939	1 5/16	1 9/16	1/4	45
4						

ROLLS ROYCE

		Part No.	ID	OD	Depth	Ang.
1	220 EAGLE	Intake T- 2085	1.865	2 3/8	.296	45/R
		Exhaust T- 2727	1.837	2 3/8	.368	45/R

SAAB

		Part No.	ID	OD	Depth	Ang.
1 SOHC,DOHC B201,B202 Series 8 Valve 90, 900, 9000						
1985 cc	2 L		Intake T- 2049	1.468	1 3/4	.276 45
4	1973-90		Alt-Int T- 1026	1.460	1 3/4	.275 45/R
			Exhaust T- 563	1.203	1 1/2	.283 45
			Alt-Exh T- 529	1.182	1 1/2	.275 45/R
2 SOHC B20 Series 99L, 99GL, 99 Series Turbo						
1985 cc	2 L		Intake T- 1047	1 5/16	1 5/8	.276 45/R
4	1973-80		Exhaust T- 562	1 1/8	1 3/8	9/32 45/R
3 DOHC B202 Series 16 Valve 900,9000 Turbo						
1985 cc	2 L		Intake T- 385	1.060	1 3/8	.280 45/R
4	1986-93		Exhaust T- 161	.975	1.319	.280
			Alt-Exh T- 533	1.044	1 5/16	.273 45
4 OHV 16 Valve GM "Vortec"						
325 ci	5.3 L		Intake T- 2177	1 3/4	2 1/16	.420 45
8	2006-09		Exhaust T- 577	1.335	1 5/8	.420 45/R
5 OHV 16 Valve GM "Vortec"						
364 ci	6 L		Intake T- 2240	1 3/4	2 1/16	.390 45
8	2008-09		Exhaust T- 577	1.335	1 5/8	.420 45/R

Scania

		Part No.	ID	OD	Depth	Ang.
1 867						
		Int. OEM #208091	Intake T- 2969	1.975	2.284	.304 30
		Exh. OEM #208093	Exhaust T- 2968	1.580	1.968	.304 30
2 F11GSI New Style Waukesha, F674D						
		Int. OEM #5179242672, 350968	Intake T- 2739	1 7/8	2.205	.290 20/R
6		Exh. OEM #5179284517	Exhaust T- 1982	1.600	2.047	.405 45/R

STERLING

		Part No.	ID	OD	Depth	Ang.
1 Viking TC 8 X 9 Gas Engine						
			Intake T- 672	2 5/8	3 1/8	3/8 45
			Exhaust T- 656	2 3/8	2 7/8	9/16 30

STERLING

		Part No.	ID	OD	Depth	Ang.
2	Viking Marine Model TCG8					
		Intake T- 428	2 5/8	3 1/8	3/8	30
		Exhaust T- 430	2 41/64	3 1/8	3/8	45
3	VD-6, VD-8					
		Exhaust T- 717	2 3/8	2 3/4	.433	45

STUDEBAKER

		Part No.	ID	OD	Depth	Ang.
1	169, 186					
169 ci	2.8 L					
6	1939-60	Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
2	170					
170 ci	2.8 L					
6	1961-64	Intake T- 983	1 7/16	1 3/4	7/32	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45
3	224, 259, 289					
224 ci	3.7 L					
8	1955-64	Intake T- 987	1 1/2	1 3/4	1/4	45
		Exhaust T- 952	1 3/8	1 5/8	7/32	45
4	226, 246					
226 ci	3.7 L					
6	1938-50	Intake T- 929	1 5/16	1 9/16	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45

SUBARU

		Part No.	ID	OD	Depth	Ang.
1	SOHC EF12, EF12C, EF12E 9 valve					
1189 cc	1.2 L					
3	1987-94	Intake T- 693	.982	1.257	.329	
		Exhaust T- 544	1.105	1 7/16	.322	45
2	OHV EA63					
1361 cc	1.4 L	1400, 1400DL, 1400GF, 1400GL				
4	1973-76	Intake T- 1047	1 5/16	1 5/8	.276	45/R
		Exhaust T- 562	1 1/8	1 3/8	9/32	45/R
3	OHV 8 Valve EA71					
1595 cc	1.6 L	DL, 1600, 1600DL, 1600GL, 1600 Brat				
4	1976-89	Intake T- 2026	1 7/16	1 13/16	5/16	45/R
		Exhaust T- 616	1.201	1 1/2	5/16	45
4	OHV 8 Valve EA81 & EA81T Turbo					
1781 cc	1.8 L	DL, 1800, 1800DL, 1800GL, 1800-TURBO, Brat				
4	1980-89	Intake T- 2026	1 7/16	1 13/16	5/16	45/R
		Exhaust T- 616	1.201	1 1/2	5/16	45

SUBARU

		Part No.	ID	OD	Depth	Ang.
5 SOHC 8 Valve EA82, EA82S, EA82T-Turbo						
1781 cc	1.8 L	GL, Loyale, RX, XT Coupe	Intake T- 2026	1 7/16	1 13/16	5/16 45/R
4	1985-95		Exhaust T- 616	1.201	1 1/2	5/16 45
6 SOHC 16 Valve EJ22						
2212 cc	2.2 L		Intake T- 524	1 1/8	1 3/8	.325 45
4	1990-00		Exhaust T- 2504	.930	1 1/4	.325
7 SOHC 16 Valve Turbo EJ22T						
2212 cc	2.2 L		Intake T- 524	1 1/8	1 3/8	.325 45
4	1990-95		Exhaust T- 2504	.930	1 1/4	.325
8 SOHC 12 Valve ER27						
2672 cc	2.7 L	XT6 Coupe	Intake T- 2026	1 7/16	1 13/16	5/16 45/R
6	1990-97		Exhaust T- 616	1.201	1 1/2	5/16 45

SUPERIOR

		Part No.	ID	OD	Depth	Ang.
1 12 x 16 GT 825						
		Int. OEM #022-948	Intake T- 2220	3 1/2	4.376	.803 30
		Exh. OEM #022-492	Exhaust T- 2123	3 1/4	3 15/16	.852 30
2 2400 SERIES						
		Int. #650-113-000	Intake Q- 0113	2.755	3.355	.510 30/R
		Exh. #650-138-000	Exhaust Q- 0138	2.755	3.355	.551 30/R
3 40 VSX - 12 X 16						
		Int. OEM #012-224	Intake T- 2203	3 5/8	4 3/8	29/32 45
		Exh. OEM #002-391	Exhaust T- 2130	3 1/4	3 15/16	29/32 45
4 G510						
		Alternate Intake & Exhaust Exh. OEM #011-225	Intake T- 1108	3 1/8	3 9/16	7/16 45
			Alt-Int T- 1119	3 1/16	3 9/16	7/16 45
			Exhaust T- 1001	2 7/8	3.438	7/8 45
			Alt-Exh T- 1003	2 7/8	3 7/16	7/8 45
5 G510 - Supercharged						
		Keeper Valve	Intake T- 2112	3 1/4	3.938	1 45
		Exh. OEM #014-208	Exhaust T- 1012	3 1/16	3 5/8	1 45
6 G825, GT825						
			Intake T- 2122	3 7/8	4 5/8	1 30
			Exhaust T- 2111	3 1/4	3 15/16	1 30

SUPERIOR

		Part No.	ID	OD	Depth	Ang.
7	GTL825					
12		Intake T- 2119	3 7/8	4 5/8	15/16	30
		Exhaust T- 2111	3 1/4	3 15/16	1	30
8	Model 80 SX - VDSGS-8					
	Exh. OEM#H-6074	Exhaust T- 7210	3 5/8	4.6805	1 1/2	45
9	Model A					
		Exhaust T- 2804	1 1/2	2	7/16	45
10	NO. 35					
		Exhaust T- 701	2 3/16	2 11/16	1/2	45
11	NO. 40					
		Exhaust T- 1008	3 1/16	3 5/8	5/8	45
12	NO. 44					
		Exhaust T- 1015	3	3.702	11/16	45
13	NO. 65, 80 GSX					
6,8	Exh. OEM #004-600 H-150-47-A	Exhaust T- 2115	3 5/8	4 3/8	1 1/8	45
14	PTD					
		Intake T- 1123	3 1/4	3 11/16	5/16	45
		Exhaust T- 1109	3 1/8	3 9/16	1/2	45
15	PTD - Late					
	Alternate Intake	Intake T- 1124	3 5/16	3 11/16	3/8	45
		Alt-Int T- 1125	3 5/16	3 11/16	5/16	45
		Exhaust T- 1119	3 1/16	3 9/16	7/16	45
16	PTG					
6,8		Exhaust T- 1009	3	3 5/8	15/16	45
17	PTGD					
6,8		Exhaust T- 1015	3	3.702	11/16	45

SUPERIOR

		Part No.	ID	OD	Depth	Ang.
18	VGT 16					
	Exh. OEM #002-391	Intake T- 2131	3 7/8	4 5/8	29/32	45
		Exhaust T- 2130	3 1/4	3 15/16	29/32	45
19	VGT 825					
	Int. OEM #012-224	Intake T- 2203	3 5/8	4 3/8	29/32	45
	Exh. OEM #002-391	Exhaust T- 2130	3 1/4	3 15/16	29/32	45

Suzuki

		Part No.	ID	OD	Depth	Ang.
1	SOHC G13A 8 Valve					
1295 cc	1.3 L	Intake T- 534	1.010	1 1/4	.257	45/R
4	1998-01	Exhaust T- 136	.790	1 1/16	.254	45
2	SOHC 8 Valve G13A, G13K, G13S, G13BA					
1298 cc	1.3 L	Intake T- 675	1.170	1.569	.267	
4	1989-97	Exhaust T- 667	1	1 3/8	9/32	
	Samurai, Sidekick, Swift Gas, F.I.					
3	DOHC 16 Valve G13K					
1298 cc	1.3 L	Intake T- 137	.934	1 3/16	.257	45/R
4	1989-94	Exhaust T- 137	.934	1 3/16	.257	45/R
	Swift Gti					
4	SOHC 8 Valve G13A Gas, Carb					
1325 cc	1.3 L	Intake T- 675	1.170	1.569	.267	
4	1986-89	Exhaust T- 667	1	1 3/8	9/32	
5	SOHC 16 Valve G16B					
1590 cc	1.6 L	Intake T- 534	1.010	1 1/4	.257	45/R
4	1995-01	Exhaust T- 136	.790	1 1/16	.254	45
6	SOHC 8 Valve G16K, G16KC, G16KV					
1590 cc	1.6 L	Intake T- 2560	1 5/16	1 1/2	1/4	45
4	1989-95	Alt-Int T- 779	1.295	1 1/2	.262	45
	Sidekick	Exhaust T- 625	1.102	1 3/8	.260	45
7	SOHC 16 Valve G16KV					
1590 cc	1.6 L	Intake T- 534	1.010	1 1/4	.257	45/R
4	1994-00	Exhaust T- 136	.790	1 1/16	.254	45

TOYOTA

		Part No.	ID	OD	Depth	Ang.
1	3K					
1166 cc	1.2 L					
4	1968-79	Intake T- 439	1.275	1 1/2	1/4	45/R
		Exhaust T- 470	.965	1 1/4	1/4	45/R
2	3KC					
1166 cc	1.2 L					
4	1968-79	Intake T- 439	1.275	1 1/2	1/4	45/R
		Exhaust T- 470	.965	1 1/4	1/4	45/R
3	4K 8 Valve					
1290 cc	1.3 L					
4	1981-84	Intake T- 439	1.275	1 1/2	1/4	45/R
		Exhaust T- 470	.965	1 1/4	1/4	45/R
4	4KC 8 Valve					
1290 cc	1.3 L					
4	1981-84	Intake T- 439	1.275	1 1/2	1/4	45/R
		Exhaust T- 470	.965	1 1/4	1/4	45/R
5	4KE 8 Valve					
1290 cc	1.3 L					
4	1981-84	Intake T- 439	1.275	1 1/2	1/4	45/R
		Exhaust T- 470	.965	1 1/4	1/4	45/R
6	1AC SOHC 8 Valve					
1452 cc	1.5 L					
4	1980-88	Intake T- 1023	1.255	1 1/2	.318	45
		Alt-Int T- 1785	1 1/4	1 1/2	5/16	---
		Exhaust T- 191	1.060	1 5/16	.280	45/R
		Alt-Exh T- 533	1.044	1 5/16	.273	45
		Alt. Int. w 1.417 Vl. Hd., .312 depth				
7	3A SOHC 8 Valve					
1452 cc	1.5 L					
4	1980-88	Intake T- 1023	1.255	1 1/2	.318	45
		Alt-Int T- 1785	1 1/4	1 1/2	5/16	---
		Exhaust T- 191	1.060	1 5/16	.280	45/R
		Alt-Exh T- 533	1.044	1 5/16	.273	45
8	3AC SOHC 8 Valve					
1452 cc	1.5 L					
4	1980-88	Intake T- 1023	1.255	1 1/2	.318	45
		Alt-Int T- 1785	1 1/4	1 1/2	5/16	---
		Exhaust T- 191	1.060	1 5/16	.280	45/R
		Alt-Exh T- 533	1.044	1 5/16	.273	45
9	3AHU SOHC					
1452 cc	1.5 L					
4	1980-88	Intake T- 1023	1.255	1 1/2	.318	45
		Exhaust T- 191	1.060	1 5/16	.280	45/R
10	3AU SOHC					
1452 cc	1.5 L					
4	1980-88	Intake T- 1023	1.255	1 1/2	.318	45
		Exhaust T- 191	1.060	1 5/16	.280	45/R

TOYOTA

				Part No.	ID	OD	Depth	Ang.
11 3E SOHC 12 Valve (Rear)								
1456 cc	1.5 L	Intake Seat Inner (rear)		Intake T- 155	.790	1.069	.260	0/R
4	1987-94			Exhaust T- 191	1.060	1 5/16	.280	45/R
12 3E SOHC 12 Valve (front)								
1456 cc	1.5 L	Intake Seat Outer (Front)		Intake T- 534	1.010	1 1/4	.257	45/R
4	1987-94			Exhaust T- 191	1.060	1 5/16	.280	45/R
13 3EE SOHC 12 Valve (Rear)								
1456 cc	1.5 L	Intake Seat Inner (Rear)		Intake T- 155	.790	1.069	.260	0/R
4	1987-94			Exhaust T- 191	1.060	1 5/16	.280	45/R
14 3EE SOHC 12 Valve (Front)								
1456 cc	1.5 L	Intake Seat Outer (Front)		Intake T- 534	1.010	1 1/4	.257	45/R
4	1987-94			Exhaust T- 191	1.060	1 5/16	.280	45/R
15 4P Forklift								
1493 cc	1.5 L	91 ci		Intake T- 934	1 5/16	1 5/8	7/32	45
4				Exhaust T- 934	1 5/16	1 5/8	7/32	45
16 5EFE DOHC 16-Valve								
1497 cc	1.5 L			Intake T- 137	.934	1 3/16	.257	45/R
4	1992-99			Exhaust T- 155	.790	1.069	.260	0/R
17 4AC SOHC 8 Valve								
1587 cc	1.6 L			Intake T- 1023	1.255	1 1/2	.318	45
4	1983-88			Alt-Int T- 1785	1 1/4	1 1/2	5/16	---
				Exhaust T- 533	1.044	1 5/16	.273	45
18 4AF DOHC 16 Valve								
1587 cc	1.6 L			Intake T- 534	1.010	1 1/4	.257	45/R
4	1986-89			Exhaust T- 136	.790	1 1/16	.254	45
19 4AFE DOHC 16 Valve								
1587 cc	1.6 L			Intake T- 534	1.010	1 1/4	.257	45/R
4	1988-97			Exhaust T- 136	.790	1 1/16	.254	45
20 4AGE DOHC 16 Valve								
1587 cc	1.6 L			Intake T- 534	1.010	1 1/4	.257	45/R
4	1988-91			Exhaust T- 123	.854	1 1/8	.237	45
21 4AGEC DOHC 16 Valve								
1587 cc	1.6 L			Intake T- 534	1.010	1 1/4	.257	45/R
4	1986-87			Exhaust T- 123	.854	1 1/8	.237	45

TOYOTA

		Part No.	ID	OD	Depth	Ang.
22 4AGELC DOHC 16 Valve						
1587 cc	1.6 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1988-89		Exhaust T- 123	.854	1 1/8	.237 45
23 4AGZE DOHC 16 Valve Supercharged						
1587 cc	1.6 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1988-91		Exhaust T- 123	.854	1 1/8	.237 45
24 4ALC SOHC 8 Valve						
1587 cc	1.6 L		Intake T- 1023	1.255	1 1/2	.318 45
4	1983-88		Alt-Int T- 1785	1 1/4	1 1/2	5/16 ---
			Exhaust T- 533	1.044	1 5/16	.273 45
25 2T OHV						
1588 cc	1.6 L		Intake T- 468	1.345	1 11/16	.325 45/R
4	1971-79		Exhaust T- 469	1.210	1 1/2	.325 45/R
26 2TC OHV						
1588 cc	1.6 L		Intake T- 468	1.345	1 11/16	.325 45/R
4	1971-79		Exhaust T- 469	1.210	1 1/2	.325 45/R
27 7AFE DOHC 16-Valve						
1762 cc	1.8 L		Intake T- 534	1.010	1 1/4	.257 45/R
4	1993-97		Exhaust T- 136	.790	1 1/16	.254 45
28 3TC OHV 8 Valve						
1770 cc	1.8 L		Intake T- 468	1.345	1 11/16	.325 45/R
4	1980-82		Exhaust T- 469	1.210	1 1/2	.325 45/R
29 1CLC, 1CTL C SOHC Turbo Diesel 8 Valve						
1839 cc	1.8 L		Intake T- 943	1 11/32	1 5/8	7/32 45
4	1984-85		Exhaust T- 558	1.025	1 3/8	.230 45/R
30 8R SOHC						
1858 cc	1.9 L		Intake T- 473	1.430	1 3/4	.215 45/R
4	1969-71		Exhaust T- 474	1.110	1 7/16	.215 45/R
31 8RC SOHC						
1858 cc	1.9 L		Intake T- 473	1.430	1 3/4	.215 45/R
4	1969-71		Exhaust T- 474	1.110	1 7/16	.215 45/R
32 3R OHV						
1897 cc	1.9 L		Intake T- 455	1 1/2	1 3/4	.255 45/R
4	1965-70		Exhaust T- 472	1.230	1 7/16	.250 45/R

TOYOTA

		Part No.	ID	OD	Depth	Ang.	
33 3RB OHV							
1897 cc	1.9 L		Intake T- 455	1 1/2	1 3/4	.255	45/R
4	1965-70		Exhaust T- 472	1.230	1 7/16	.250	45/R
34 3RC OHV							
1897 cc	1.9 L		Intake T- 455	1 1/2	1 3/4	.255	45/R
4	1965-70		Exhaust T- 472	1.230	1 7/16	.250	45/R
35 5K Forklift							
130 ci	2 L		Intake T- 439	1.275	1 1/2	1/4	45/R
4			Exhaust T- 470	.965	1 1/4	1/4	45/R
36 18RC SOHC							
1968 cc	2 L		Intake T- 477	1.360	1 3/4	.315	45/R
4	1972-74		Exhaust T- 531	1 3/16	1 9/16	.305	45/R
		Alt. Exh. w 1.416 VI. Hd., .315 depth	Alt-Exh T- 476	1.220	1 1/2	.315	45/R
37 18RC w/Cast Integral Seats							
1968 cc	2 L		Intake T- 984	1 7/16	1 3/4	1/4	45
4	1972-74	Alt. Int. w 1.614 VI. Hd., .250 depth	Alt-Int T- 968	1 3/8	1 3/4	1/4	45
			Exhaust T- 272	1 1/4	1 1/2	1/4	45
		Alt. Exh. w 1.416 VI. Hd., .250 depth	Alt-Exh T- 244	1 3/16	1 1/2	1/4	45
38 5R Forklift							
1994 cc	2 L	122 ci	Intake T- 1610	1 1/2	1 13/16	1/4	45
4			Exhaust T- 278	1 1/4	1 9/16	1/4	45
39 2SELC SOHC 8 Valve							
1995 cc	2 L		Intake T- 1842	1 11/32	1 11/16	5/16	45
4	1983-86		Exhaust T- 194	1.100	1 7/16	.315	45/R
		Alt. Exh. w 1.339 VI. Hd., .300 depth	Alt-Exh T- 2525	1 1/8	1 7/16	.300	45
40 3SFE DOHC 16 Valve							
1998 cc	2 L		Intake T- 625	1.102	1 3/8	.260	45
4	1987-00	Alt. Int. w 1.260 VI. Hd., .253 depth	Alt-Int T- 456	1.107	1 3/8	.253	45/R
			Exhaust T- 2341	.905	1 3/16	.257	45
		Alt. Exh. w 1.062 VI. Hd., .260 depth	Alt-Exh T- 155	.790	1.069	.260	0/R
41 3SGELC DOHC 16 Valve							
1998 cc	2 L		Intake T- 1685	1 3/16	1 7/16	1/4	45/R
4	1986-90		Exhaust T- 534	1.010	1 1/4	.257	45/R

TOYOTA

		Part No.	ID	OD	Depth	Ang.
42 3SGTE DOHC 16 Valve Turbo						
1998 cc	2 L		Intake T- 1685	1 3/16	1 7/16	1/4 45/R
4	1988-95		Exhaust T- 534	1.010	1 1/4	.257 45/R
43 3YEC OHV 8 Valve						
1998 cc	2 L		Intake T- 1842	1 11/32	1 11/16	5/16 45
4	1984-85		Exhaust T- 616	1.201	1 1/2	5/16 45
44 5SFE DOHC 16 Valve						
2164 cc	2.2 L		Intake T- 224	1 1/8	1 3/8	17/64 45
4	1990-01	Alt. Int. w 1.260 VI. Hd., .253 depth	Alt-Int T- 456	1.107	1 3/8	.253 45/R
			Exhaust T- 2341	.905	1 3/16	.257 45
		Alt. Exh. w 1.062 VI. Hd., .260 depth	Alt-Exh T- 155	.790	1.069	.260 0/R
45 L SOHC Diesel 8 Valve						
2188 cc	2.2 L		Intake T- 455	1 1/2	1 3/4	.255 45/R
4	1981-83		Exhaust T- 1685	1 3/16	1 7/16	1/4 45/R
46 20R SOHC 8 Valve						
2189 cc	2.2 L		Intake T- 475	1.420	1 13/16	.315 45/R
4	1975-80		Exhaust T- 476	1.220	1 1/2	.315 45/R
47 4Y Forklift						
2237 cc	2.2 L	137 ci	Intake T- 1842	1 11/32	1 11/16	5/16 45
4	1986-90		Exhaust T- 616	1.201	1 1/2	5/16 45
48 4YEC SOHC						
2237 cc	2.3 L		Intake T- 1842	1 11/32	1 11/16	5/16 45
4	1986-90	Alt. Int. w 1.575 VI. Hd., .325 depth	Alt-Int T- 468	1.345	1 11/16	.325 45/R
			Exhaust T- 616	1.201	1 1/2	5/16 45
49 2M SOHC 12 Valve						
2253 cc	2.3 L		Intake T- 477	1.360	1 3/4	.315 45/R
6	1967-72		Exhaust T- 2531	1 1/8	1 9/16	5/16 45/R
50 22R SOHC						
2366 cc	2.4 L		Intake T- 2088	1.573	1 15/16	.379 45/R
4	1981-90		Exhaust T- 579	1 1/4	1 9/16	.319 45/R
51 22RE SOHC						
2366 cc	2.4 L		Intake T- 2088	1.573	1 15/16	.379 45/R
4	1989-96		Exhaust T- 579	1 1/4	1 9/16	.319 45/R

TOYOTA

		Part No.	ID	OD	Depth	Ang.
52 22REC SOHC						
2366 cc	2.4 L		Intake T- 2088	1.573	1 15/16	.379 45/R
4	1981-90		Exhaust T- 579	1 1/4	1 9/16	.319 45/R
53 22RTEC SOHC Turbo						
2367 cc	2.4 L		Intake T- 2088	1.573	1 15/16	.379 45/R
4	1986-88		Exhaust T- 579	1 1/4	1 9/16	.319 45/R
54 2RZFE DOHC 16-Valve						
2438 cc	2.4 L		Intake T- 939	1 5/16	1 9/16	1/4 45
4	1995-04		Alt-Int T- 354	1.260	1 9/16	.280 45/R
			Exhaust T- 147	1.042	1 5/16	.238 45
55 2TZFE DOHC 16-Valve						
2438 cc	2.4 L		Intake T- 354	1.260	1 9/16	.280 45/R
4	1991-96		Exhaust T- 147	1.042	1 5/16	.238 45
56 2TZFZE DOHC 16-Valve Supercharged						
2438 cc	2.4 L		Intake T- 354	1.260	1 9/16	.280 45/R
4	1994-97		Exhaust T- 147	1.042	1 5/16	.238 45
57 2L SOHC Diesel						
2446 cc	2.5 L		Intake T- 455	1 1/2	1 3/4	.255 45/R
4	1984-87		Exhaust T- 1685	1 3/16	1 7/16	1/4 45/R
58 2LT SOHC Diesel & Turbo Diesel						
2446 cc	2.5 L		Intake T- 455	1 1/2	1 3/4	.255 45/R
4	1984-87		Exhaust T- 1685	1 3/16	1 7/16	1/4 45/R
59 2VZFE DOHC 24 Valve						
2508 cc	2.5 L		Intake T- 456	1.107	1 3/8	.253 45/R
6	1988-91		Exhaust T- 2348	15/16	1 3/16	.235 45
60 4M SOHC						
2563 cc	2.6 L		Intake T- 2087	1 3/8	1 3/4	5/16 45/R
4	1971-79	Alt. Int. w 1.494 VI. Hd., .312 depth	Alt-Int T- 913	1 1/4	1 5/8	5/16 45
			Exhaust T- 2531	1 1/8	1 9/16	5/16 45/R
61 4ME SOHC						
2563 cc	2.6 L		Intake T- 923	1 1/4	1 5/8	5/16 45/R
6	1979-80		Exhaust T- 194	1.100	1 7/16	.315 45/R

TOYOTA

		Part No.	ID	OD	Depth	Ang.
62	3RZFE DOHC 16-Valve					
2694 cc	2.7 L		Intake T- 939	1 5/16	1 9/16	1/4 45
4	1994-04		Alt-Int T- 354	1.260	1 9/16	.280 45/R
			Exhaust T- 147	1.042	1 5/16	.238 45
63	5ME SOHC					
2759 cc	2.8 L		Intake T- 1983	1.410	1.757	.320 45/R
6	1981-82		Exhaust T- 194	1.100	1 7/16	.315 45/R
64	5MGE SOHC 12 Valve					
2759 cc	2.8 L		Intake T- 2089	1 7/16	1 13/16	.295 45/R
6	1982-88		Exhaust T- 529	1.182	1 1/2	.275 45/R
65	5P Forklift					
2771 cc	2.8 L	169 ci	Intake T- 1803	1 3/8	1 3/4	5/16 45
4			Exhaust T- 278	1 1/4	1 9/16	1/4 45
66	7MGE,7MGTE Turbo DOHC 24 Valve					
2954 cc	3 L		Intake T- 636	1.080	1 5/16	1/4 45/R
6	1986-92		Exhaust T- 137	.934	1 3/16	.257 45/R
		Alt. Exh. w 1.083 VI. Hd., .257 depth	Alt-Exh T- 2341	.905	1 3/16	.257 45
67	3VZE SOHC 12 Valve					
2959 cc	3 L		Intake T- 1991	1 13/32	1 3/4	5/16 45
6	1988-95		Exhaust T- 462	1.181	1 9/16	.315 45
			Alt-Exh T- 542	1.219	1 9/16	.317 45
68	3VZFE DOHC 24-Valve					
2959 cc	3 L		Intake T- 635	1.166	1 7/16	1/4 45/R
6	1992-93		Exhaust T- 2348	15/16	1 3/16	.235 45
69	1MZFE DOHC 24-Valve					
2995 cc	3 L		Intake T- 2355	1 5/32	1 7/16	1/4 30/R
6	1994-06		Exhaust T- 2348	15/16	1 3/16	.235 45
70	2JZGE DOHC 24-Valve					
2997 cc	3 L		Intake T- 2355	1 5/32	1 7/16	1/4 30/R
6	1992-98		Exhaust T- 2505	.955	1 1/4	.255 45

TOYOTA

		Part No.	ID	OD	Depth	Ang.
71	2JZGTE - Twin Turbo DOHC 24-Valve					
2997 cc	3 L					
6	1994-98	Intake T- 2355	1 5/32	1 7/16	1/4	30/R
		Exhaust T- 2505	.955	1 1/4	.255	45
72	5VZFE DOHC 24-Valve					
3378 cc	3.4 L					
6	1995-04	Intake T- 2355	1 5/32	1 7/16	1/4	30/R
		Exhaust T- 2348	15/16	1 3/16	.235	45
73	F/FJ- 12 Valve					
3878 cc	3.9 L					
6	1969-75	Intake T- 2849	1.540	1 15/16	.315	45/R
		Exhaust T- 922	1 9/32	1 5/8	5/16	45/R
74	3F, 3FE - 12 Valve					
3956 cc	4 L					
6	1988-92	Intake T- 2849	1.540	1 15/16	.315	45/R
		Exhaust T- 922	1 9/32	1 5/8	5/16	45/R
75	1UZFE DOHC 32-Valve					
3969 cc	4 L					
8	1990-00	Intake T- 2355	1 5/32	1 7/16	1/4	30/R
		Exhaust T- 2505	.955	1 1/4	.255	45
76	2F - 12 Valve					
4227 cc	4.2 L					
6	1975-87	Intake T- 2849	1.540	1 15/16	.315	45/R
		Exhaust T- 922	1 9/32	1 5/8	5/16	45/R

TRIUMPH

		Part No.	ID	OD	Depth	Ang.
1	Herald Coupe, Herald Salon					
4	1959-62	Intake T- 213	1 1/16	1 5/16	7/32	45
		Exhaust T- 121	15/16	1 1/8	3/16	45
2	Herald 1200, Early					
4	1962-63	Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 633	1 1/32	1 5/16	1/4	45
3	Herald 1200, Late 1963					
4	1963-64	Intake T- 240	1 3/16	1 7/16	1/4	45
		Exhaust T- 206	1	1 1/4	1/4	45
4	OHV Spitfire Mark IV					
1296 cc	1.3 L					
4	1971-72	Intake T- 2561	1 5/16	1 1/2	1/4	45/R
		Exhaust T- 213	1 1/16	1 5/16	7/32	45
5	OHV Spitfire Mark IV					
1493 cc	1.5 L					
4	1973-80	Intake T- 2561	1 5/16	1 1/2	1/4	45/R
		Exhaust T- 637	1 1/16	1 1/4	1/4	45

TRIUMPH

		Part No.	ID	OD	Depth	Ang.
6 OHV GT6 Vitesse						
1998 cc	2 L		Intake T- 239	1 3/16	1 7/16	7/32 45
6	1964-69		Exhaust T- 213	1 1/16	1 5/16	7/32 45
7 OHC TR-7						
1998 cc	2 L		Intake T- 2748	1.360	1 11/16	1/4 45/R
4	1976-81		Exhaust T- 499	1 1/16	1 3/8	1/4 45
8 OHV TR-4, TR-4A						
2138 cc	2.1 L		Intake T- 634	1 29/64	1 11/16	1/4 45/R
4	1961-67		Exhaust T- 635	1.166	1 7/16	1/4 45/R
9 TR-6, TR-250						
2495 cc	2.5 L		Intake T- 2561	1 5/16	1 1/2	1/4 45/R
4	1968-76		Exhaust T- 633	1 1/32	1 5/16	1/4 45
10 OHV TR6, TR-250						
2498 cc	2.5 L		Intake T- 2561	1 5/16	1 1/2	1/4 45/R
6	1967-76		Exhaust T- 636	1.080	1 5/16	1/4 45/R
11 OHV TR-8						
3528 cc	3.5 L		Intake T- 1048	1 3/8	1 11/16	9/32 45/R
8	1979-80		Exhaust T- 2090	1.140	1 1/2	9/32 45/R

VOLKSWAGON

		Part No.	ID	OD	Depth	Ang.
1 Air Cooled VW 40 H.P.						
1192 cc	1.2 L	Type I & II Series	Intake T- 2083	1.112	1 3/8	11/32 45/R
4	1960-65		Exhaust T- 639	1.025	1 3/8	11/32 45/R
2 VKW 40 H.P.						
1300 cc	1.3 L		Intake T- 1566	1 3/16	1.479	5/16 45/R
4	1961-73	Alternate Intake & Exhaust	Alt-Int T- 640	1 3/16	1 1/2	5/16 45/R
			Exhaust T- 286	1.025	1 11/32	11/32 45
			Alt-Exh T- 641	1.025	1.411	11/32 45
3 SOHC VW 8 Valve EH, FX						
1457 cc	1.5 L		Intake T- 346	1.140	1 7/16	.305 45/R
4	1978-80		Exhaust T- 347	1.086	1 5/16	.305 45/R
		Alt. Exh. w Straight I.D.	Alt-Exh T- 522	1.086	1 5/16	.305 45
4 SOHC Gas						
1471 cc	1.5 L	FC, FG, XR, XS, XV, XW, XY, XZ	Intake T- 346	1.140	1 7/16	.305 45/R
4	1974-76		Exhaust T- 347	1.086	1 5/16	.305 45/R
		Alt. Exhaust w/o taper	Alt-Exh T- 522	1.086	1 5/16	.305 45

VOLKSWAGON

		Part No.	ID	OD	Depth	Ang.
5 SOHC VW CK Diesel 8 Valve						
1471 cc	1.5 L	Alt. Exh. w Straight I.D.	Intake T- 346	1.140	1 7/16	.305 45/R
4	1977-80		Exhaust T- 347	1.086	1 5/16	.305 45/R
			Alt-Exh T- 522	1.086	1 5/16	.305 45
6 Air Cooled VW 1500						
1493 cc	1.5 L	Type I, II, & III	Intake T- 351	1.210	1 1/2	.345 45/R
4	1963-69		Exhaust T- 2083	1.112	1 3/8	11/32 45/R
7 VKW 1500, 1600 - 50 H.P.						
1500 cc	1.5 L	Alternate Intake & Exhaust	Intake T- 1569	1 3/16	1.469	5/16 45/R
4	1964-73		Alt-Int T- 640	1 3/16	1 1/2	5/16 45/R
			Exhaust T- 1567	1 1/16	1.352	21/64 45/R
			Alt-Exh T- 2092	1 1/16	1 3/8	21/64 45/R
8 VKW 1500, 1600 - HI- Perf. 54-64 H.P.						
1500 cc	1.5 L		Intake T- 483	1 5/16	1 5/8	11/32 45/R
4	1964-73		Exhaust T- 1571	1 3/16	1 7/16	11/32 45/R
9 Air Cooled VW 1600						
1584 cc	1.6 L	Type I, II, & III	Intake T- 351	1.210	1 1/2	.345 45/R
4	1965-79		Exhaust T- 2083	1.112	1 3/8	11/32 45/R
10 1600 DP-HP w 40mm Intake & 35.5mm Exhaust						
1584 cc	1.6 L		Intake T- 483	1 5/16	1 5/8	11/32 45/R
4	1965-79		Exhaust T- 484	1.265	1 1/2	11/32 45/R
11 1600 DP-HP w 42mm Intake & 37.5mm Exhaust						
1584 cc	1.6 L		Intake T- 481	1 7/16	1 11/16	11/32 45/R
4	1965-79		Exhaust T- 482	1.307	1 1/2	11/32 30/R
12 SOHC Gas, FI 8 Valve						
1588 cc	1.6 L	EE, EJ, YG, YH, YK	Intake T- 346	1.140	1 7/16	.305 45/R
4	1976-80		Exhaust T- 347	1.086	1 5/16	.305 45/R
			Alt-Exh T- 522	1.086	1 5/16	.305 45
13 SOHC Diesel 8 Valve						
1588 cc	1.6 L	F, G, H, CR, CS, IV, JK, ME	Intake T- 346	1.140	1 7/16	.305 45/R
4	1981-92		Exhaust T- 347	1.086	1 5/16	.305 45/R
			Alt-Exh T- 522	1.086	1 5/16	.305 45

VOLKSWAGON

		Part No.	ID	OD	Depth	Ang.
14 VKW 1600 w 40.0mm Intake & 35.5mm Exhaust Valve						
1600 cc	1.6 L		Intake T- 483	1 5/16	1 5/8	11/32 45/R
4	1985-88		Exhaust T- 484	1.265	1 1/2	11/32 45/R
15 VKW 1600 w 42.0mm Intake & 37.5mm Exhaust Valve						
1600 cc	1.6 L		Intake T- 481	1 7/16	1 11/16	11/32 45/R
4	1985-88		Exhaust T- 482	1.307	1 1/2	11/32 30/R
16 Air Cooled VW						
1697 cc	1.7 L	Type II: 411, 412	Intake T- 2093	1 11/32	1 5/8	11/32 45/R
4	1972-74		Exhaust T- 2083	1.112	1 3/8	11/32 45/R
17 SOHC Gas 8 Valve						
1715 cc	1.7 L	A, B, EN, JF, WT	Intake T- 346	1.140	1 7/16	.305 45/R
4	1981-84		Exhaust T- 347	1.086	1 5/16	.305 45/R
		Alt. Exh. w Straight I.D.	Alt-Exh T- 522	1.086	1 5/16	.305 45
18 SOHC Gas 8 Valve						
1780 cc	1.8 L	A, B, C, K, 2H, ABG, GX, HT, JH, JN, PF, RD, RV, UM	Intake T- 369	1 11/32	1 5/8	.304 45/R
4	1982-92	Gas & Supercharged Gas VW	Exhaust T- 524	1 1/8	1 3/8	.325 45
19 SOHC w 40mm Intake & 33mm Exhaust						
1780 cc	1.8 L	2H, GX, HT, JH, JN, PG, PF, RD, RV, UM Series GTI, Jetta, Scirocco, Golf	Intake T- 543	1.320	1 5/8	.300 45
4	1982-92		Exhaust T- 346	1.140	1 7/16	.305 45/R
20 DOHC Gas 16 Valve PL Series						
1780 cc	1.8 L	Golf, Jetta, Scirocco	Intake T- 570	1.045	1 5/16	5/16 45
4	1986-89		Exhaust T- 753	.900	1 1/8	.325 45
21 VKW 1781						
1781 cc	1.8 L		Intake T- 369	1 11/32	1 5/8	.304 45/R
4	1983-90		Exhaust T- 524	1 1/8	1 3/8	.325 45
22 DOHC Gas 20 Valve						
1781 cc	1.8 L	AEB, APH, ATW, AUG, AWD, AWM, AWP, AWV, AWW "Turbo"	Intake T- 2349	.890	1.132	.237 45/R
4	1998-06		Exhaust T- 534	1.010	1 1/4	.257 45/R
23 Air Cooled w 39.3mm Intake & 34mm Exhaust						
1795 cc	1.8 L	Type II, 412	Intake T- 2093	1 11/32	1 5/8	11/32 45/R
4	1974-75		Exhaust T- 692	1.142	1 7/16	.336 45/R
24 Air Cooled w 41mm Intake & 34mm Exhaust						
1795 cc	1.8 L	Type II, 412	Intake T- 481	1 7/16	1 11/16	11/32 45/R
4	1974-75		Exhaust T- 692	1.142	1 7/16	.336 45/R

VOLKSWAGON

		Part No.	ID	OD	Depth	Ang.
25 SOHC Gas 8 Valve DH						
1915 cc	1.9 L		Intake T- 369	1 11/32	1 5/8	.304 45/R
4	1983-85		Exhaust T- 565	1.162	1 7/16	.310 45
26 1970cc - Type II						
1970 cc	2 L		Intake T- 1046	1.458	1 3/4	11/32 45/R
4	1976-80		Exhaust T- 646	1 1/8	1 1/2	11/32 45/R
27 Air Cooled w 27.5mm Intake & 33mm Exhaust						
1970 cc	2 L		Intake T- 1053	1 1/4	1 9/16	11/32
4	1976-83		Exhaust T- 2083	1.112	1 3/8	11/32 45/R
28 Air Cooled w 39.3mm Intake & 35mm Exhaust						
1970 cc	2 L		Intake T- 2093	1 11/32	1 5/8	11/32 45/R
4	1980-83		Exhaust T- 2083	1.112	1 3/8	11/32 45/R
29 DOHC Gas 16 Valve 9A						
1984 cc	2 L		Intake T- 570	1.045	1 5/16	5/16 45
4	1990-95		Exhaust T- 753	.900	1 1/8	.325 45
30 SOHC Gas MV						
2109 cc	2.1 L		Intake T- 369	1 11/32	1 5/8	.304 45/R
4	1986-92		Exhaust T- 565	1.162	1 7/16	.310 45
31 SOHC Gas 10 Valve JT, KX						
2226 cc	2.2 L		Intake T- 369	1 11/32	1 5/8	.304 45/R
5	1985-88		Exhaust T- 524	1 1/8	1 3/8	.325 45
32 DOHC Gas 30 Valve						
2771 cc	2.8 L	A, D, H, AHA, AMX, ATQ	Intake T- 534	1.010	1 1/4	.257 45/R
6	1998-05		Exhaust T- 2349	.890	1.132	.237 45/R

VOLVO

		Part No.	ID	OD	Depth	Ang.
1 DE Turbo Diesel						
1986 cc	2 L		Intake T- 387	1.220	1 1/2	.310 45/R
4	1970-75		Alt-Int T- 476	1.220	1 1/2	.315 45/R
			Exhaust T- 347	1.086	1 5/16	.305 45/R
2 B20A, B20B, B20E OHV						
1990 cc	2 L		Intake T- 393	1.440	1 3/4	1/4 45/R
4	1969-78		Exhaust T- 521	1 1/8	1 7/16	1/4 45/R

VOLVO

		Part No.	ID	OD	Depth	Ang.
3 SOHC B21, B21F, Turbo B21FT, B21FT1 Turbo						
2127 cc	2.1 L	Int. OEM #8929127	Intake T- 2091	1.570	1.819	.284 30/R
4	1976-85	Alt. Int. w 1.732 VI. Hd., .288 depth	Alt-Int T- 2027	1 1/2	1 7/8	.288 45/R
			Exhaust T- 530	1 7/32	1 1/2	9/32 45
		Alt. Exh. w 1.378 VI. Hd., .278 depth	Alt-Exh T- 2391	1.230	1.569	.278
4 SOHC B23E, B23F, B230F, B23FT-Turbo, B230FD, B230F						
2316 cc	2.3 L	Int. OEM #8929127	Intake T- 2091	1.570	1.819	.284 30/R
4	1983-84	Alt. Int. w 1.732 VI. Hd., .288 depth	Alt-Int T- 2027	1 1/2	1 7/8	.288 45/R
			Exhaust T- 530	1 7/32	1 1/2	9/32 45
		Alt. Exh. w 1.378 VI. Hd., .278 depth	Alt-Exh T- 2391	1.230	1.569	.278
5 SOHC D24 Diesel, D24T-Turbo Diesel						
2383 cc	2.4 L		Intake T- 476	1.220	1 1/2	.315 45/R
6	1980-86		Exhaust T- 191	1.060	1 5/16	.280 45/R
		Alt. Exh. w 1.221 VI. Hd., .305 depth	Alt-Exh T- 347	1.086	1 5/16	.305 45/R
6 SOHC B27E, F Series						
2664 cc	2.7 L		Intake T- 2848	1.538	1 13/16	1/4 45/R
6	1975-79		Exhaust T- 1532	1.275	1 9/16	.258 45/R
7 SOHC 12 Valve B27F						
2673 cc	2.7 L		Intake T- 2848	1.538	1 13/16	1/4 45/R
6	1975-79		Exhaust T- 1532	1.275	1 9/16	.258 45/R
8 SOHC 12 Valve B28F						
2849 cc	2.9 L		Intake T- 2848	1.538	1 13/16	1/4 45/R
6	1980-86		Exhaust T- 1532	1.275	1 9/16	.258 45/R
9 2979cc						
2979 cc	3 L		Intake T- 393	1.440	1 3/4	1/4 45/R
6	1969-75		Exhaust T- 521	1 1/8	1 7/16	1/4 45/R
10 B30A, B30E, B30F						
2980 cc	3 L		Intake T- 984	1 7/16	1 3/4	1/4 45
6	1969-75	Alt. Int. w 1.655 VI. Hd., .250 depth	Alt-Int T- 455	1 1/2	1 3/4	.255 45/R
			Exhaust T- 521	1 1/8	1 7/16	1/4 45/R
11 AQ200D, AQ225D						
			Intake T- 1635	1 1/2	1 13/16	7/32 45/R
8			Exhaust T- 964	1 5/16	1 9/16	7/32 45/R

VOLVO

		Part No.	ID	OD	Depth	Ang.
12	BB225A, BB225AV					
8		Intake T- 1635	1 1/2	1 13/16	7/32	45/R
		Exhaust T- 964	1 5/16	1 9/16	7/32	45/R
13	AQ260A, AQ290A					
8		Intake T- 389	1 13/16	2 1/8	7/32	45
		Exhaust T- 964	1 5/16	1 9/16	7/32	45/R
14	BB260A, BB260AV					
8		Intake T- 389	1 13/16	2 1/8	7/32	45
		Exhaust T- 964	1 5/16	1 9/16	7/32	45/R

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
1	AB					
6		Exhaust T- 1320	2 1/8	2 1/2	5/16	45
2	AL					
6		Exhaust T- 1320	2 1/8	2 1/2	5/16	45
3	BA					
6	1933-42	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45
4	BK					
6	1933-42	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45
5	BKH					
6		Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45
		Alternate Exhaust Alt-Exh T- 246	1 3/16	1 9/16	7/32	45
6	BL					
6	1933-42	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45
7	BM					
6	1933-42	Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
8	BZ					
		Intake T- 1610	1 1/2	1 13/16	1/4	45
		Exhaust T- 271	1 1/4	1 1/2	7/32	45
9	CFR-6ZK					
	Exh. OEM #75923	Exhaust T- 251	1 7/32	1 7/16	3/16	45
10	CHK 4000ZK					
4	Exh. OEM #73931A, 41413	Exhaust T- 1714	1 5/8	2 1/16	7/16	45
11	CHK Special					
4		Exhaust T- 1735	1 3/4	2 3/16	7/16	45
12	CU					
		Exhaust T- 1320	2 1/8	2 1/2	5/16	45
13	CU-CR Special					
	Exh. OEM #B7743	Exhaust T- 804	2	2 3/8	7/32	45
14	DKR					
6	Exh. OEM #B6425	Exhaust T- 1753	1 7/8	2 1/4	1/4	45
15	DKR Special					
6	Exh. OEM #44097	Exhaust T- 1319	2 1/8	2 1/2	1/4	45
16	DR					
6		Exhaust T- 1325	2 5/32	2 1/2	1/4	45
17	DR Special					
6	Exh. OEM #44097	Exhaust T- 1319	2 1/8	2 1/2	1/4	45
18	DU					
6		Exhaust T- 1325	2 5/32	2 1/2	1/4	45
19	ER					
6		Exhaust T- 1325	2 5/32	2 1/2	1/4	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
20	ER Special					
6	Exh. OEM #44097	Exhaust T- 1319	2 1/8	2 1/2	1/4	45
21	EU					
6		Exhaust T- 1325	2 5/32	2 1/2	1/4	45
22	EU Special					
6	Exh. OEM #44097	Exhaust T- 1319	2 1/8	2 1/2	1/4	45
23	FC					
4		Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 250	1 13/64	1.447	3/16	45
24	FCL					
4		Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 250	1 13/64	1.447	3/16	45
25	FCS					
4		Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 250	1 13/64	1.447	3/16	45
26	FCX					
4		Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 250	1 13/64	1.447	3/16	45
27	FDB					
	Exh. OEM #44097	Exhaust T- 1319	2 1/8	2 1/2	1/4	45
28	FEB					
	Exh. OEM #44097	Exhaust T- 1319	2 1/8	2 1/2	1/4	45
29	FK					
4		Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 250	1 13/64	1.447	3/16	45
30	FKJ					
4		Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 250	1 13/64	1.447	3/16	45
31	FL					
133 ci 2.2 L		Intake T- 239	1 3/16	1 7/16	7/32	45
4		Exhaust T- 239	1 3/16	1 7/16	7/32	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
32	FLJ						
133 ci	2.2 L		Intake T- 239	1 3/16	1 7/16	7/32	45
4			Exhaust T- 239	1 3/16	1 7/16	7/32	45
33	FM						
133 ci	2.2 L		Intake T- 239	1 3/16	1 7/16	7/32	45
4			Exhaust T- 239	1 3/16	1 7/16	7/32	45
34	FS						
133 ci	2.2 L		Intake T- 239	1 3/16	1 7/16	7/32	45
4			Exhaust T- 239	1 3/16	1 7/16	7/32	45
35	FSJ						
133 ci	2.2 L		Intake T- 239	1 3/16	1 7/16	7/32	45
4			Exhaust T- 250	1 13/64	1.447	3/16	45
36	FSX						
4			Intake T- 239	1 3/16	1 7/16	7/32	45
			Exhaust T- 250	1 13/64	1.447	3/16	45
37	FX						
4			Intake T- 239	1 3/16	1 7/16	7/32	45
			Exhaust T- 250	1 13/64	1.447	3/16	45
38	GAKU						
6	1933-40	Exh. OEM #73329	Intake T- 806	2	2 3/8	9/32	45
			Exhaust T- 1811	1 1/2	1 7/8	5/16	45
39	GS						
		Int. OEM #119984, 119917	Intake T- 1924	1 5/8	2	5/16	45
		Exh. OEM #151255	Exhaust T- 1626	1 5/8	1 7/8	7/32	45
40	GU						
			Exhaust T- 1325	2 5/32	2 1/2	1/4	45
41	GU Special						
		Exh. OEM #44097	Exhaust T- 1319	2 1/8	2 1/2	1/4	45
42	GV						
		Int. OEM #119984, 119917	Intake T- 1924	1 5/8	2	5/16	45
		Exh. OEM #151255	Exhaust T- 1626	1 5/8	1 7/8	7/32	45
43	GZ						
		Int. OEM #119984, 119917	Intake T- 1924	1 5/8	2	5/16	45
		Exh. OEM #151255	Exhaust T- 1626	1 5/8	1 7/8	7/32	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
44	HL					
		Exh. OEM #B6425	Exhaust T- 1753	1 7/8	2 1/4	1/4 45
45	HS					
		Exh. OEM #B6425	Exhaust T- 1753	1 7/8	2 1/4	1/4 45
46	ICK 15					
61 ci	1 L		Intake T- 201	1	1 3/16	3/16 45
4		Exh. OEM #78077	Exhaust T- 2338	13/16	1 1/16	3/16 45
47	ICK, Except Alum.					
61 ci	1 L		Intake T- 201	1	1 3/16	3/16 45
4	1941-71	Exh. OEM #78077	Exhaust T- 2338	13/16	1 1/16	3/16 45
48	ICKB					
4		Exh. OEM#152963	Exhaust T- 133	25/32	1 1/16	3/16 45
49	ICL					
61 ci	1 L		Intake T- 201	1	1 3/16	3/16 45
4		Exh. OEM #78077	Exhaust T- 2338	13/16	1 1/16	3/16 45
50	JK					
4			Exhaust T- 422	2 1/2	3 1/8	3/8 45
51	JS					
4			Exhaust T- 422	2 1/2	3 1/8	3/8 45
52	KL					
		Exh. OEM #B6425	Exhaust T- 1753	1 7/8	2 1/4	1/4 45
53	KS					
			Exhaust T- 308	1 3/4	2 1/8	9/32 45
54	KU					
			Exhaust T- 308	1 3/4	2 1/8	9/32 45
55	LRD					
		Int. OEM #117518	Intake T- 1117	3 1/4	3 13/16	3/8 30
6		Exh. OEM #117517, 153495	Exhaust T- 432	2 3/4	3 1/8	3/8 45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
56 LRH							
6		Intake T- 1113	3 1/8	3 3/4	1/2	30	
	Exh. OEM # 65636	Exhaust T- 1213	2 3/4	3 5/16	9/16	45	
57 LRO							
6	1931-73	Int. OEM #B10418	Intake T- 1115	3 1/4	3 13/16	9/32	30
		Alt. Int. OEM #10418A	Alt-Int T- 1116	3 1/4	3 13/16	5/16	30
		Exh. OEM #B7170F	Exhaust T- 505	2 3/4	3 5/16	7/16	30
58 LRO - Late							
		Int. OEM #169574, 153682	Intake T- 2108	3 1/4	3 13/16	5/8	30
		Exh. OEM #169291	Exhaust T- 1220	2 3/4	3 1/8	5/8	45
59 LROR							
6	1931-73	Int. OEM #B10418	Intake T- 1115	3 1/4	3 13/16	9/32	30
		Alt. Int. OEM#10418A	Alt-Int T- 1116	3 1/4	3 13/16	5/16	30
		Exh. OEM #B7170F	Exhaust T- 505	2 3/4	3 5/16	7/16	30
60 LRORB							
6	1931-73	Int. OEM #B10418	Intake T- 1115	3 1/4	3 13/16	9/32	30
		Alt. Int. OEM #10418A	Alt-Int T- 1116	3 1/4	3 13/16	5/16	30
		Exh. OEM #B7170F	Exhaust T- 505	2 3/4	3 5/16	7/16	30
61 LRZ							
6	1931-73	Int. OEM #151465	Intake T- 1401	3 5/8	4 1/4	3/8	30
		Exh. OEM #117748, OLD#155272	Exhaust T- 1111	3 1/8	3 11/16	7/16	45
62 MK							
6			Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 1905	1 9/16	2	1/4	45
63 MKR, 1 7/16" Head							
6	1931-58	Exh. OEM #76775	Intake T- 304	1 3/4	2 1/16	9/32	45
			Exhaust T- 478	1.190	1 9/16	.315	45/R
64 MKR, 1 11/16" Head							
6	1931-58		Intake T- 304	1 3/4	2 1/16	9/32	45
			Exhaust T- 1812	1 1/2	1 7/8	23/64	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
65	ML					
6		Intake T- 1922	1 5/8	2	9/32	45
		Exhaust T- 1905	1 9/16	2	1/4	45
66	MS					
6		Intake T- 1922	1 5/8	2	9/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
67	MXR, 1 7/16" Head					
6	1931-58	Exh. OEM #76775				
		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 478	1.190	1 9/16	.315	45/R
68	MXR, 1 11/16" Head					
6	1931-58					
		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 1812	1 1/2	1 7/8	23/64	45
69	MZ					
6		Intake T- 1922	1 5/8	2	9/32	45
		Exhaust T- 960	1 3/8	1 11/16	7/32	45
70	MZA, 1 7/16" Head					
6	1931-58	Exh. OEM #76775				
		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 478	1.190	1 9/16	.315	45/R
71	MZA, 1 11/16" Head					
6	1959	Exh. OEM #41381A				
		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 1810	1 1/2	1 13/16	3/8	45
		Alternate Exhaust Alt-Exh T- 1818	1 7/16	1 13/16	3/8	45
72	MZR, 1 7/16" Head					
6	1931-58	Exh. OEM #76775				
		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 478	1.190	1 9/16	.315	45/R
73	MZR, 1 11/16" Head					
6	1931-58					
		Intake T- 304	1 3/4	2 1/16	9/32	45
		Exhaust T- 1812	1 1/2	1 7/8	23/64	45
74	NK					
6	1939-52	Exh. OEM #73440B				
		Intake T- 412	2 1/2	3	3/8	30
		Exhaust T- 704	2 1/4	2 3/4	1/2	45
75	NKDS					
6	1952-73	Int. OEM #118617A Exh. OEM #157883				
		Intake T- 507	2 7/8	3 1/4	5/16	30
		Exhaust T- 405	2 1/2	2 7/8	5/16	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
76	NKH						
6	1939-52	Exh. OEM #73440B	Intake T- 412	2 1/2	3	3/8	30
			Exhaust T- 704	2 1/4	2 3/4	1/2	45
77	NKR						
6	1952-73	Int. OEM #118617A Exh. OEM #157883	Intake T- 507	2 7/8	3 1/4	5/16	30
			Exhaust T- 405	2 1/2	2 7/8	5/16	45
78	NKRB						
6	1952-73	Int. OEM #118617A Exh. OEM #157883	Intake T- 507	2 7/8	3 1/4	5/16	30
			Exhaust T- 405	2 1/2	2 7/8	5/16	45
79	NKU						
6	1939-52	Exh. OEM #73440B	Intake T- 412	2 1/2	3	3/8	30
			Exhaust T- 704	2 1/4	2 3/4	1/2	45
80	NKV						
6	1939-52	Exh. OEM #73440B	Intake T- 412	2 1/2	3	3/8	30
			Exhaust T- 704	2 1/4	2 3/4	1/2	45
81	QL						
			Exhaust T- 1320	2 1/8	2 1/2	5/16	45
82	RC						
			Exhaust T- 222	1 1/8	1 3/8	3/16	45
83	SRK						
6			Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 967	1 3/8	1 3/4	1/4	30
84	SRKR						
6	1939-52	Exh. OEM #73253C	Intake T- 1755	1 7/8	2 1/4	9/32	45
			Exhaust T- 1825	1 7/16	1 3/4	5/16	30
85	SRL						
6			Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 967	1 3/8	1 3/4	1/4	30
86	SRLR						
6	1939-52	Exh. OEM #73253C	Intake T- 1755	1 7/8	2 1/4	9/32	45
			Exhaust T- 1825	1 7/16	1 3/4	5/16	30
87	SRS						
6			Intake T- 1922	1 5/8	2	9/32	45
			Exhaust T- 967	1 3/8	1 3/4	1/4	30

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
88	UM						
		Exhaust T- 1612	1 1/2	1 7/8	7/32	45	
89	UMA						
		Exhaust T- 1612	1 1/2	1 7/8	7/32	45	
90	VBKH						
	Exh. OEM #B9541	Exhaust T- 1600	1 1/2	2	1/4	45/R	
91	VBZH						
	Exh. OEM #B9541B	Exhaust T- 2841	1 1/2	2	11/32	45/R	
92	VHPD Diesel						
	OEM #153882-C	Intake T- 3510	2.360	3 1/8	.710	45/R	
		Exhaust T- 3510	2.360	3 1/8	.710	45/R	
93	VHPG - Early Gas						
	OEM #169027B	Intake T- 1230	2 37/64	3 1/8	.610	45	
		Exhaust T- 1230	2 37/64	3 1/8	.610	45	
94	VI, VIS						
4	Exh. OEM #73329	Exhaust T- 1811	1 1/2	1 7/8	5/16	45	
95	VIK						
4	1925-46	Intake T- 1832	1 3/8	1 7/8	7/32	30	
	Alt. Int. & Exh. OEM#116990	Alt-Int T- 1533	1 3/8	1 7/8	5/16	30	
		Exhaust T- 1832	1 3/8	1 7/8	7/32	30	
		Alt-Exh T- 1533	1 3/8	1 7/8	5/16	30	
96	VIL						
4	1925-46	OEM #B5761	Intake T- 305	1 3/4	2 1/8	7/32	45
		Exhaust T- 305	1 3/4	2 1/8	7/32	45	
97	VIM						
6	1925-46	Exhaust T- 308	1 3/4	2 1/8	9/32	45	
98	VIR						
6	1925-46	Exhaust T- 308	1 3/4	2 1/8	9/32	45	

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
99	VK						
4	1930-48	Intake T- 1922	1 5/8	2	9/32	45	
		Exhaust T- 1610	1 1/2	1 13/16	1/4	45	
100	VLRD						
	Int. OEM #169574, 153682	Intake T- 2108	3 1/4	3 13/16	5/8	30	
	Exh. OEM #169291	Exhaust T- 1220	2 3/4	3 1/8	5/8	45	
101	VLRO						
12	1958-73	Int. OEM #153682	Intake T- 1130	3 1/4	3 25/32	11/32	30
	Alt. Int. OEM #117518	Alt-Int T- 1117	3 1/4	3 13/16	3/8	30	
	Exh. OEM #117517, 153495	Exhaust T- 432	2 3/4	3 1/8	3/8	45	
102	VLRO - Late						
	Int. OEM #169574, 153682	Intake T- 2108	3 1/4	3 13/16	5/8	30	
	Exh. OEM #169291	Exhaust T- 1220	2 3/4	3 1/8	5/8	45	
103	VLROB						
12	1958-73	Int. OEM #153682	Intake T- 1130	3 1/4	3 25/32	11/32	30
	Alt. Int. OEM #117518	Alt-Int T- 1117	3 1/4	3 13/16	3/8	30	
	Exh. OEM #117517, 153495	Exhaust T- 432	2 3/4	3 1/8	3/8	45	
104	VRZG						
4	1930-48	Intake T- 1922	1 5/8	2	9/32	45	
		Exhaust T- 1610	1 1/2	1 13/16	1/4	45	
105	VRZH						
4	1930-48	Intake T- 1922	1 5/8	2	9/32	45	
		Exhaust T- 1610	1 1/2	1 13/16	1/4	45	
106	WAK						
	Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30	
		Exhaust T- 814	2	2 1/2	1/2	45	
107	WAKB						
6	1940-73	Int. OEM #48942B, 164676	Intake T- 721	2 3/8	2 13/16	3/8	30
	Exh. OEM #48943B	Exhaust T- 810	2	2 7/16	3/8	45	
108	WAKC						
	Int. OEM #48942B, 164676	Intake T- 721	2 3/8	2 13/16	3/8	30	
	Exh. OEM #48943B	Exhaust T- 810	2	2 7/16	3/8	45	

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
109	WAKD						
6	1940-73	Int. OEM #48942B, 164676	Intake T- 721	2 3/8	2 13/16	3/8	30
		Exh. OEM # 48943B	Exhaust T- 810	2	2 7/16	3/8	45
110	WAKH						
		Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 814	2	2 1/2	1/2	45
111	WAL						
		Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 814	2	2 1/2	1/2	45
112	WALH						
		Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 814	2	2 1/2	1/2	45
113	WFH						
		Exh. OEM# B8185	Exhaust T- 1348	2 1/4	2 5/8	1/4	30
114	WK						
		Exh. OEM #B7170A	Exhaust T- 504	2 3/4	3 5/16	9/32	30
115	WL						
		Exh. OEM #B7169A	Exhaust T- 413	2 1/2	3 1/16	9/32	45
116	WOK						
		Exh. OEM #73759	Exhaust T- 1206	2 1/2	3 1/8	9/16	30
117	WS						
		Exh. OEM #B7169A	Exhaust T- 413	2 1/2	3 1/16	9/32	45
118	WXKH						
		Exh. OEM #B8261A	Exhaust T- 275	1 1/4	1 9/16	3/16	30
119	X						
186 ci	3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1932-57		Exhaust T- 952	1 3/8	1 5/8	7/32	45
120	XA						
186 ci	3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1932-57		Exhaust T- 952	1 3/8	1 5/8	7/32	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
121	XAH						
186 ci	3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1932-57		Exhaust T- 952	1 3/8	1 5/8	7/32	45
122	XAK						
186 ci	3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1932-57		Exhaust T- 952	1 3/8	1 5/8	7/32	45
123	XAKH						
4	Exh. OEM #B8261A		Exhaust T- 275	1 1/4	1 9/16	3/16	30
124	XAL						
186 ci	3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1932-57		Exhaust T- 952	1 3/8	1 5/8	7/32	45
125	XBKH						
4	Exh. OEM #B9542		Exhaust T- 270	1 1/4	1 1/2	3/16	45
126	XL						
			Exhaust T- 1922	1 5/8	2	9/32	45
127	6B						
6			Exhaust T- 278	1 1/4	1 9/16	1/4	45
128	6BK, 6BKH						
6	1933-52		Intake T- 1610	1 1/2	1 13/16	1/4	45
			Exhaust T- 271	1 1/4	1 1/2	7/32	45
129	6BZ						
6	1933-52		Intake T- 1610	1 1/2	1 13/16	1/4	45
			Exhaust T- 271	1 1/4	1 1/2	7/32	45
130	6DB-140						
6	Exh. OEM #65498		Exhaust T- 807	2	2 3/8	5/16	---
131	6E						
6	Exh. OEM #73440B		Exhaust T- 704	2 1/4	2 3/4	1/2	45
132	6EK						
6	Exh. OEM #63537A		Exhaust T- 1351	2 1/4	2 5/8	3/8	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
133	6EL						
6		Exh. OEM #63537A	Exhaust T- 1351	2 1/4	2 5/8	3/8	45
134	6ELH						
6		Exh. OEM #63271A	Exhaust T- 1349	2 1/4	2 5/8	1/4	45
135	6GAK						
6	1936-40	Exh. OEM #73329	Intake T- 806	2	2 3/8	9/32	45
			Exhaust T- 1811	1 1/2	1 7/8	5/16	45
136	6GAL						
6	1933-40	Exh. OEM #73329	Intake T- 806	2	2 3/8	9/32	45
			Exhaust T- 1811	1 1/2	1 7/8	5/16	45
137	6LRH						
6			Exhaust T- 1212	2 3/4	3 1/8	9/16	45
138	6LS						
6		Exh. OEM #65397	Exhaust T- 421	2 1/2	3 1/8	3/8	30
139	6M						
		Exh. OEM #16775, 65431	Intake T- 1921	1 5/8	2	1/4	45
			Exhaust T- 910	1 1/4	1 9/16	5/16	45
140	6N						
6		Exh. OEM #73440B	Exhaust T- 704	2 1/4	2 3/4	1/2	45
141	6NKD						
6	1952-73	Int. OEM #118617A	Intake T- 507	2 7/8	3 1/4	5/16	30
		Exh. OEM #157883	Exhaust T- 405	2 1/2	2 7/8	5/16	45
142	6RB						
6			Intake T- 1320	2 1/8	2 1/2	5/16	45
			Exhaust T- 1325	2 5/32	2 1/2	1/4	45
143	6RBR						
6			Intake T- 1320	2 1/8	2 1/2	5/16	45
			Exhaust T- 1325	2 5/32	2 1/2	1/4	45
144	6RBR Special						
6		Exh. OEM #85349	Exhaust T- 1327	2 5/32	2 17/32	3/8	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
145	6TL						
6		Intake T- 951	1 3/8	1 5/8	7/32	30	
		Exhaust T- 238	1 3/16	1 7/16	7/32	30	
146	6TS						
6		Intake T- 951	1 3/8	1 5/8	7/32	30	
		Exhaust T- 238	1 3/16	1 7/16	7/32	30	
147	6WAK						
6	1940-60	Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 814	2	2 1/2	1/2	45
148	6WAKB						
6	1940-60	Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 814	2	2 1/2	1/2	45
149	6WAKD, Supercharged						
6	1940-73	Int. OEM #152512	Intake T- 714	2 3/8	2 11/16	1/4	30
		Exh. OEM #152511	Exhaust T- 801	2	2 5/16	1/4	45
150	6WAKH						
6	1940-60	Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 814	2	2 1/2	1/2	45
151	6WAL						
6	1940-60	Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 814	2	2 1/2	1/2	45
152	6WALH						
6	1940-60	Exh. OEM #8M9810	Intake T- 601	2 3/8	2 7/8	3/8	30
			Exhaust T- 814	2	2 1/2	1/2	45
153	6XK						
186 ci	3 L		Intake T- 952	1 3/8	1 5/8	7/32	45
4	1932-57		Exhaust T- 952	1 3/8	1 5/8	7/32	45
154	6XL						
4	1932-57		Intake T- 952	1 3/8	1 5/8	7/32	45
			Exhaust T- 952	1 3/8	1 5/8	7/32	45
155	F11G						
		Int. OEM #5179242672, 350968	Intake T- 2739	1 7/8	2.205	.290	20/R
		Exh. OEM #350969B	Exhaust T- 2669	1 17/32	2.0475	3/8	30/R
156	F18 & H24						
		OEM #304010L	Intake T- 1144	1 3/4	2.1695	.325	20
			Exhaust T- 1144	1 3/4	2.1695	.325	20

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
157	F18GL,F24GL					
	OEM #304010K	Intake T- 1146	1 3/4	2.169	.332	20
		Exhaust T- 1146	1 3/4	2.169	.332	20
158	H-24 / F18					
		Intake T- 1142	1.790	2.1705	.345	20/R
159	H24GL					
	OEM #304010K	Intake T- 1146	1 3/4	2.169	.332	20
8		Exhaust T- 1146	1 3/4	2.169	.332	20
160	AT25GL, Water Cooled Engine					
	OEM #294811B	Intake T- 3620	2.515	2.9575	1.650	30
		Exhaust T- 3620	2.515	2.9575	1.650	30
161	4-55					
		Intake T- 1922	1 5/8	2	9/32	45
4		Exhaust T- 1610	1 1/2	1 13/16	1/4	45
162	6-90					
	Exh. OEM #B8382	Exhaust T- 1601	1 7/16	1 13/16	7/32	30
6						
163	6-110					
		Intake T- 1755	1 7/8	2 1/4	9/32	45
6		Exhaust T- 1921	1 5/8	2	1/4	45
164	4-115					
	Exh. OEM #74675	Exhaust T- 420	2 1/2	3 1/8	9/32	45
4						
165	WOK-4-115					
	Int. OEM #B10415	Intake T- 1103	3	3 9/16	9/32	30
4	Exh. OEM # B8380	Exhaust T- 415	2 1/2	3 1/8	9/32	30
166	6-125					
		Intake T- 1303	2 1/16	2 7/16	5/16	30
6		Exhaust T- 1922	1 5/8	2	9/32	45
167	130					
	Exh. OEM #16775, 65431	Exhaust T- 910	1 1/4	1 9/16	5/16	45
4						
168	130GL, 130 GS					
		Intake T- 1910	1 5/8	1 15/16	9/32	45
4	Exh. OEM #76775	Exhaust T- 478	1.190	1 9/16	.315	45/R

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
169		130HL, 130HS				
4		Exh. OEM #76775	Intake T- 1910	1 5/8	1 15/16	9/32 45
			Exhaust T- 478	1.190	1 9/16	.315 45/R
170		135DK, 135DKB, 135DKBS				
426 ci	7 L		Intake T- 301	1 3/4	2	7/32 45
6	1951-68		Exhaust T- 986	1 1/2	1 3/4	7/32 45
171		135GK, 135GS, 135GZ				
6	1951-69	Int. OEM #119984, 119917	Intake T- 1924	1 5/8	2	5/16 45
		Exh. OEM #151255	Exhaust T- 1626	1 5/8	1 7/8	7/32 45
172		140				
		Exh. OEM #73931A, 41413	Exhaust T- 1714	1 5/8	2 1/16	7/16 45
173		140 Diesel				
		Exh. OEM #B9541C	Exhaust T- 2076	1 7/16	1.955	3/8 45/R
174		140GK, 140GS				
525 ci	8.6 L		Intake T- 308	1 3/4	2 1/8	9/32 45
6		Exh OEM #74592	Exhaust T- 1610	1 1/2	1 13/16	1/4 45
175		140GZ				
6	1948-73	Exh. OEM #74592	Intake T- 344	1 7/8	2 3/16	1/4 30
			Exhaust T- 1805	1 3/8	1 3/4	3/8 45
176		140GZB 12 Valve				
554 ci	9.1 L		Intake T- 344	1 7/8	2 3/16	1/4 30
6	1948-73	Exh. OEM #74592	Alt-Int T- 322	1 7/8	2 3/16	9/32 45
			Exhaust T- 1805	1 3/8	1 3/4	3/8 45
177		140HK, 140HS				
525 ci	8.6 L		Intake T- 344	1 7/8	2 3/16	1/4 30
6		Exh. OEM #74592	Exhaust T- 1805	1 3/8	1 3/4	3/8 45
178		145GK				
6	1940-58	Int. OEM #44097	Intake T- 1319	2 1/8	2 1/2	1/4 45
		Exh. OEM #73931A, 41413	Exhaust T- 1714	1 5/8	2 1/16	7/16 45
179		145GK - High Power				
6		Exh. OEM #116513-A	Intake T- 710	2 5/16	2 3/4	5/16 30
			Exhaust T- 1751	1 13/16	2 1/4	7/16 45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
180	145GKB					
6		Intake T- 710	2 5/16	2 3/4	5/16	30
		Exhaust T- 2709	1 7/8	2 5/16	7/16	45
181	145GS, 145GZ, 145GZB					
6	1940-58	Int. OEM #44097				
		Exh. OEM #73931A, 41413				
		Intake T- 1319	2 1/8	2 1/2	1/4	45
		Exhaust T- 1714	1 5/8	2 1/16	7/16	45
182	145HK, 145HS					
6	1940-58	Int. OEM #44097				
		Exh. OEM #73931A, 41413				
		Intake T- 1319	2 1/8	2 1/2	1/4	45
		Exhaust T- 1714	1 5/8	2 1/16	7/16	45
183	148DK, 148DKB, 148DKBS					
6	1948-73	Int. OEM #117158				
		Exh. OEM #117157				
		Intake T- 1345	2 1/4	2 1/2	1/4	45
		Exhaust T- 316	1 13/16	2 1/16	1/4	45
184	150GK					
525 ci	8.6 L					
6		Intake T- 344	1 7/8	2 3/16	1/4	30
		Exh. OEM #74592				
		Exhaust T- 1805	1 3/8	1 3/4	3/8	45
185	VRD155, VRD 155D - Diesel					
155 ci	2.5 L					
4		Intake T- 929	1 5/16	1 9/16	7/32	45
		Exhaust T- 224	1 1/8	1 3/8	17/64	45
186	VRG155 Gas					
155 ci	2.5 L					
4		Intake T- 929	1 5/16	1 9/16	7/32	45
		Exhaust T- 272	1 1/4	1 1/2	1/4	45
187	160					
4		Exhaust T- 142	.905	1 1/4	.230	45/R
188	175					
		Exhaust T- 1815	1 1/2	1 7/8	3/8	45
189	180					
4		Exhaust T- 142	.905	1 1/4	.230	45/R
190	180-D Diesel					
		Int. OEM #118680				
		Exh. OEM #118679				
		Intake T- 2530	1 1/8	1 5/8	11/32	45
		Exhaust T- 2347	7/8	1 3/8	11/32	45
191	180DAC, 180DLC					
4,6	1948-69	Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 205	1	1 1/4	7/32	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
192	180DSB, 185DSB					
4-6	Exh. OEM #11915	Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 2342	15/16	1 3/16	1/4	45
193	180GKB					
144 ci 2.4 L		Intake T- 929	1 5/16	1 9/16	7/32	45
4,6		Exhaust T- 272	1 1/4	1 1/2	1/4	45
194	180GKB					
155 ci 2.5 L		Intake T- 929	1 5/16	1 9/16	7/32	45
4		Exhaust T- 272	1 1/4	1 1/2	1/4	45
195	180GKBC, 180GKB					
155 ci 2.5 L		Intake T- 929	1 5/16	1 9/16	7/32	45
4		Exhaust T- 272	1 1/4	1 1/2	1/4	45
196	180GL					
4,6	1948-73	Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 239	1 3/16	1 7/16	7/32	45
197	180GLB					
4,6	Exh. OEM #164763B	Exhaust T- 228	1 1/8	1 7/16	1/4	45
198	180 GLB - Up To Ser. #6502					
6	Head #190302B	Intake T- 222	1 1/8	1 3/8	3/16	45
		Exhaust T- 204	1	1 1/4	3/16	45
199	180 GLB - After Ser. #6503					
6	Head #190302D	Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
200	180GS, 185GS					
4,6		Exhaust T- 240	1 3/16	1 7/16	1/4	45
201	185					
4,6		Exhaust T- 142	.905	1 1/4	.230	45/R
202	185DAC					
194 ci 3.2 L		Intake T- 271	1 1/4	1 1/2	7/32	45
6		Exhaust T- 205	1	1 1/4	7/32	45
203	185DLC					
4,6	1948-69	Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 205	1	1 1/4	7/32	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
204	185GB					
6	Exh. OEM #120725	Exhaust T- 233	1 5/32	1 13/32	7/32	45
205	185GL					
4,6	1948-73	Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 239	1 3/16	1 7/16	7/32	45
206	185GLB					
4,6	Exh. OEM #164763B	Exhaust T- 228	1 1/8	1 7/16	1/4	45
207	185GLB - Up To Ser. #6502					
6	Head #190302B	Intake T- 222	1 1/8	1 3/8	3/16	45
		Exhaust T- 204	1	1 1/4	3/16	45
208	185GLB - After Ser. #6503					
6	Head #190302D	Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
209	190					
6	Exh. OEM #117159	Exhaust T- 229	1 1/8	1 7/16	5/16	45
210	190DLB					
6	1948-73	Intake T- 952	1 3/8	1 5/8	7/32	45
		Exhaust T- 223	1 1/8	1 3/8	7/32	45
	Alt. Exh. OEM #117640	Alt-Exh T- 599	1 11/64	1 7/16	1/4	45
211	190DLC					
6	1948-73	Intake T- 952	1 3/8	1 5/8	7/32	45
		Exhaust T- 223	1 1/8	1 3/8	7/32	45
212	190DSA					
6	Exh. OEM #44626	Exhaust T- 211	1 1/32	1 9/32	1/4	45
213	190GK, 190GL					
6		Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
214	190GLB					
		Intake T- 929	1 5/16	1 9/16	7/32	45
		Exhaust T- 272	1 1/4	1 1/2	1/4	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
215		190GS				
6	1948-73	Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
216		190KL				
6	1948-73	Intake T- 271	1 1/4	1 1/2	7/32	45
		Exhaust T- 222	1 1/8	1 3/8	3/16	45
217		195				
6	1948-73	Intake T- 1946	1 11/16	2 1/16	9/32	45
		Exhaust T- 981	1 7/16	1 11/16	7/32	45
218		195DLC				
302 ci	5 L	Intake T- 1616	1 9/16	1 13/16	7/32	45
6	1948-73	Exhaust T- 952	1 3/8	1 5/8	7/32	45
219		195GK, 195GKA				
320 ci	5.2 L	Intake T- 1946	1 11/16	2 1/16	9/32	45
6	1948-73	Exhaust T- 981	1 7/16	1 11/16	7/32	45
220		195GL				
302 ci	5 L	Intake T- 271	1 1/4	1 1/2	7/32	45
6		Exhaust T- 222	1 1/8	1 3/8	3/16	45
221		195GLC				
6		Exh. OEM #152415	Exhaust T- 1607	1 15/32	1 23/32	7/32
						45
222		197D				
302 ci	5 L	Intake T- 1616	1 9/16	1 13/16	7/32	45
6	1948-73	Exhaust T- 952	1 3/8	1 5/8	7/32	45
223		VRD220 Diesel				
220 ci	3.6 L	Intake T- 1609	1 1/2	1 13/16	7/32	45
4		Exhaust T- 952	1 3/8	1 5/8	7/32	45
224		VRG220 Gas				
220 ci	3.6 L	Intake T- 986	1 1/2	1 3/4	7/32	45
4,6		Exhaust T- 952	1 3/8	1 5/8	7/32	45
	Alternate Exhaust	Alt-Exh T- 1896	1 25/64	1.628	.209	45
225		VRD232 Diesel				
232 ci	3.8 L	Intake T- 929	1 5/16	1 9/16	7/32	45
6		Exhaust T- 205	1	1 1/4	7/32	45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
226 VRG232 Gas						
232 ci	3.8 L		Intake T- 271	1 1/4	1 1/2	7/32 45
6		Exh. OEM #164763B	Exhaust T- 228	1 1/8	1 7/16	1/4 45
227 VRG265 Gas						
265 ci	4.3 L		Intake T- 952	1 3/8	1 5/8	7/32 45
6			Exhaust T- 271	1 1/4	1 1/2	7/32 45
228 F283-6						
			Exhaust T- 952	1 3/8	1 5/8	7/32 45
229 VRD283 Diesel						
283 ci	4.6 L		Intake T- 1858	1 3/8	1 3/4	3/16 45
6			Exhaust T- 997	1 11/32	1 5/8	3/16 45
230 VRG283 Gas						
283 ci	4.6 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6		Alternate Exhaust	Exhaust T- 952	1 3/8	1 5/8	7/32 45
			Alt-Exh T- 1896	1 25/64	1.628	.209 45
231 VRD310 Diesel						
310 ci	5.1 L		Intake T- 1632	1 7/16	1 3/4	3/16 45
6			Exhaust T- 997	1 11/32	1 5/8	3/16 45
232 VRG310 Gas						
310 ci	5.1 L		Intake T- 986	1 1/2	1 3/4	7/32 45
6		Alternate Exhaust	Exhaust T- 952	1 3/8	1 5/8	7/32 45
			Alt-Exh T- 1896	1 25/64	1.628	.209 45
233 VRD330 Diesel						
330 ci	5.4 L		Intake T- 1609	1 1/2	1 13/16	7/32 45
6			Exhaust T- 952	1 3/8	1 5/8	7/32 45
234 VRG330 Gas						
330 ci	5.4 L		Intake T- 986	1 1/2	1 3/4	7/32 45
4,6		Alternate Exhaust	Exhaust T- 952	1 3/8	1 5/8	7/32 45
			Alt-Exh T- 1896	1 25/64	1.628	.209 45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.	
235	F554						
	Exh. OEM #74592	Intake T- 322	1 7/8	2 3/16	9/32	45	
		Exhaust T- 1805	1 3/8	1 3/4	3/8	45	
236	F817G Gas						
6	Exh. OEM #116513-A	Intake T- 710	2 5/16	2 3/4	5/16	30	
		Exhaust T- 1751	1 13/16	2 1/4	7/16	45	
237	H1077D						
1970-73		Intake T- 310	1 3/4	2 1/8	3/8	30	
		Exhaust T- 311	1 3/4	2 1/8	3/8	45	
238	H1077G						
1970-73		Intake T- 310	1 3/4	2 1/8	3/8	30	
		Exhaust T- 311	1 3/4	2 1/8	3/8	45	
239	F1197D						
	Int. OEM #48942B, 164676	Intake T- 721	2 3/8	2 13/16	3/8	30	
	Exh. OEM #48943B	Exhaust T- 810	2	2 7/16	3/8	45	
240	1197-D, Supercharged						
6	1940-73	Int. OEM #152512	Intake T- 714	2 3/8	2 11/16	1/4	30
		Exh. OEM #152511	Exhaust T- 801	2	2 5/16	1/4	45
241	F1197G						
	Int. OEM #48942B, 164676	Intake T- 721	2 3/8	2 13/16	3/8	30	
	Exh. OEM #48943B	Exhaust T- 810	2	2 7/16	3/8	45	
242	H1616D						
1970-73		Intake T- 310	1 3/4	2 1/8	3/8	30	
		Exhaust T- 311	1 3/4	2 1/8	3/8	45	
243	H1616G						
1970-73		Intake T- 310	1 3/4	2 1/8	3/8	30	
		Exhaust T- 311	1 3/4	2 1/8	3/8	45	
244	1905-C						
6	Int. OEM #166809	Intake T- 502	2 7/8	3 3/8	3/8	30	
	Exh. OEM #166810	Exhaust T- 410	2 1/2	2 7/8	3/8	45	
245	F1905D						
	Int. OEM #118617	Intake T- 510	2 7/8	3 1/4	3/8	30	
	Exh. OEM #166810	Exhaust T- 410	2 1/2	2 7/8	3/8	45	
246	F1905G						
	Int. OEM #118617	Intake T- 510	2 7/8	3 1/4	3/8	30	
	Exh. OEM #166810	Exhaust T- 410	2 1/2	2 7/8	3/8	45	

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
247	F1905GR					
	Int. OEM #118617	Intake T- 510	2 7/8	3 1/4	3/8	30
	Exh. OEM #166810	Exhaust T- 410	2 1/2	2 7/8	3/8	45
248	H2475					
	Int. OEM #172019	Intake T- 440	2 1/2	2 15/16	3/8	45
	Exh. OEM #172020	Exhaust T- 605	2 3/8	2 15/16	9/16	45
249	F2894					
	Int. OEM #169574, 153682	Intake T- 2108	3 1/4	3 13/16	5/8	30
	Exh. OEM #169291	Exhaust T- 1220	2 3/4	3 1/8	5/8	45
250	F2894D					
6	Int. OEM #B10418	Intake T- 1115	3 1/4	3 13/16	9/32	30
	Alt. Int. OEM #10418A	Alt-Int T- 1116	3 1/4	3 13/16	5/16	30
	Exh. OEM #B7170F	Exhaust T- 505	2 3/4	3 5/16	7/16	30
251	F2894G					
6	Int. OEM #B10418	Intake T- 1115	3 1/4	3 13/16	9/32	30
	Alt. Int. OEM #10418A	Alt-Int T- 1116	3 1/4	3 13/16	5/16	30
	Exh. OEM #B7170F	Exhaust T- 505	2 3/4	3 5/16	7/16	30
252	F2895 Diesel					
	OEM #153882-C	Intake T- 3510	2.360	3 1/8	.710	45/R
		Exhaust T- 3510	2.360	3 1/8	.710	45/R
253	L3230					
	Int. OEM #172019	Intake T- 440	2 1/2	2 15/16	3/8	45
	Exh. OEM #172020	Exhaust T- 605	2 3/8	2 15/16	9/16	45
254	F3520G					
6	Int. OEM #151465	Intake T- 1401	3 5/8	4 1/4	3/8	30
	Exh. OEM #117748, OLD#155272	Exhaust T- 1111	3 1/8	3 11/16	7/16	45
255	F3531 Diesel					
	OEM #153882-C	Intake T- 3510	2.360	3 1/8	.710	45/R
		Exhaust T- 3510	2.360	3 1/8	.710	45/R
256	L3711					
	Int. OEM #172019	Intake T- 440	2 1/2	2 15/16	3/8	45
	Exh. OEM #172020	Exhaust T- 605	2 3/8	2 15/16	9/16	45

WAUKESHA

	Part No.	ID	OD	Depth	Ang.
257	L5100				
	Int. OEM #117518	Intake T- 1117	3 1/4	3 13/16	3/8 30
	Exh. OEM #169291	Exhaust T- 1220	2 3/4	3 1/8	5/8 45
258	L5100 - Late				
	Int. OEM #169574, 153682	Intake T- 2108	3 1/4	3 13/16	5/8 30
	Exh. OEM #169291	Exhaust T- 1220	2 3/4	3 1/8	5/8 45
259	L5108				
	OEM #169027B	Intake T- 1230	2 37/64	3 1/8	.610 45
		Exhaust T- 1230	2 37/64	3 1/8	.610 45
260	L5788				
	Int. OEM #169574, 153682	Intake T- 2108	3 1/4	3 13/16	5/8 30
	Exh. OEM #169291	Exhaust T- 1220	2 3/4	3 1/8	5/8 45
261	L5790				
	OEM #176352K	Intake T- 1248	2 7/16	3 1/8	.555 30
		Exhaust T- 1248	2 7/16	3 1/8	.555 30
262	L5790 - Early				
	OEM #169027B	Intake T- 1230	2 37/64	3 1/8	.610 45
		Exhaust T- 1230	2 37/64	3 1/8	.610 45
263	L5790 - (New)				
	OEM #176352P	Intake T- 629	2 7/16	3	.555 30
		Exhaust T- 629	2 7/16	3	.555 30
264	F5790 Diesel				
	OEM #153882-C	Intake T- 3510	2.360	3 1/8	.710 45/R
		Exhaust T- 3510	2.360	3 1/8	.710 45/R
265	L5794LT VHP Series Four				
	Int. OEM #W211801	Intake H- 3622	2.442	3.0055	.430 30/R
	Alt. Int. OEM #W211801J	Alt-Int H- 3624	2.442	3.0055	.430 20/R
	Exh. OEM #W211802B	Exhaust H- 3621	2.156	3.2045	1.200 20/R
266	L7040				
	Int. OEM #169574, 153682	Intake T- 2108	3 1/4	3 13/16	5/8 30
	Exh. OEM #169291	Exhaust T- 1220	2 3/4	3 1/8	5/8 45

WAUKESHA

		Part No.	ID	OD	Depth	Ang.
267	L7042- Narrow Bridge					
	OEM #176352K	Intake	T- 1248	2 7/16	3 1/8	.555 30
	Alt. Int. & Exh. OEM #176352T 20°	Alt-Int	T- 1244	2 7/16	3 1/8	.555 20
		Exhaust	T- 1248	2 7/16	3 1/8	.555 30
		Alt-Exh	T- 1244	2 7/16	3 1/8	.555 20
268	L7042 - (New) Wide Bridge					
	OEM #176352P	Intake	T- 629	2 7/16	3	.555 30
	Alt. Int. & Exh. OEM #176352R 20°	Alt-Int	T- 630	2 7/16	3	.555 20
		Exhaust	T- 629	2 7/16	3	.555 30
		Alt-Exh	T- 630	2 7/16	3	.555 20
269	L7042 - Early Gas					
	OEM #169027B	Intake	T- 1230	2 37/64	3 1/8	.610 45
		Exhaust	T- 1230	2 37/64	3 1/8	.610 45
270	L7042 Diesel					
	OEM #153882-C	Intake	T- 3510	2.360	3 1/8	.710 45/R
		Exhaust	T- 3510	2.360	3 1/8	.710 45/R
271	7042GL VHP					
	Int. OEM #176352K	Intake	T- 1248	2 7/16	3 1/8	.555 30
	Exh. OEM #176352T	Exhaust	T- 1244	2 7/16	3 1/8	.555 20
272	L7042GL VHP					
	Int. OEM #176352P	Intake	T- 629	2 7/16	3	.555 30
	Exh. OEM #176352R 20°	Exhaust	T- 630	2 7/16	3	.555 20
273	L7044 Gas					
	OEM #176352K	Intake	T- 1248	2 7/16	3 1/8	.555 30
		Exhaust	T- 1248	2 7/16	3 1/8	.555 30
274	L7044 - VHP Gas (New)					
	OEM #176352P	Intake	T- 629	2 7/16	3	.555 30
		Exhaust	T- 629	2 7/16	3	.555 30
275	L7044 - VHPD Diesel					
	OEM #153882-C	Intake	T- 3510	2.360	3 1/8	.710 45/R
		Exhaust	T- 3510	2.360	3 1/8	.710 45/R
276	L7044 Water-cooled					
	Int. OEM #W211801	Intake	H- 3622	2.442	3.0055	.430 30/R
	Alt. Int. OEM #W211801J	Alt-Int	H- 3624	2.442	3.0055	.430 20/R
	Exh. OEM #W211802B	Exhaust	H- 3621	2.156	3.2045	1.200 20/R

WISCONSIN

		Part No.	ID	OD	Depth	Ang.
1	A; J, JU					
4		Exhaust T- 1301	2 1/16	2 3/8	1/4	45
2	ABM, ABN, ABS					
1	1949-56	Intake T- 201	1	1 3/16	3/16	45
		Exhaust T- 201	1	1 3/16	3/16	45
3	ABNR, ACN, BKN, HACN, HAENL,					
1	1956-73	TR-10D, TRA-10D, TRA-12D	Intake T- 224	1 1/8	1 3/8	17/64
		Exhaust T- 224	1 1/8	1 3/8	17/64	45
4	AD, ADH, ADN					
19 ci	0.31 L	Intake T- 224	1 1/8	1 3/8	17/64	45
1		Exhaust T- 224	1 1/8	1 3/8	17/64	45
5	AE, AEH, AEM, AEN, AEHS, AENL					
23 ci	0.38 L	Intake T- 224	1 1/8	1 3/8	17/64	45
1		Exhaust T- 224	1 1/8	1 3/8	17/64	45
6	AF, AG, AH, VG, VM, VP					
1	1947-73	AF, AFH, AG, AGL, AGN, AGND, AH, AHH, VG4D, VM4, VP4, VP4D	Intake T- 954	1 3/8	1 5/8	17/64
		Exhaust T- 954	1 3/8	1 5/8	17/64	45
7	AK, AKN, AKM, AKS Series					
18 ci	0.3 L	Intake T- 224	1 1/8	1 3/8	17/64	45
1		Exhaust T- 224	1 1/8	1 3/8	17/64	45
8	F					
1		Exhaust T- 929	1 5/16	1 9/16	7/32	45
9	H; HB					
6		Exhaust T- 1922	1 5/8	2	9/32	45
10	S-7D, S-8D					
1		Intake T- 239	1 3/16	1 7/16	7/32	45
		Exhaust T- 224	1 1/8	1 3/8	17/64	45
11	S-10D, S-12D, S-14D					
1	1969-73	Intake T- 1040	1 7/16	1 5/8	17/64	45
		Exhaust T- 1040	1 7/16	1 5/8	17/64	45

WISCONSIN

		Part No.	ID	OD	Depth	Ang.
12	SU; Y					
4		Exhaust T- 1610	1 1/2	1 13/16	1/4	45
13	TE, TED Series					
46 ci	0.8 L	Intake T- 224	1 1/8	1 3/8	17/64	45
2		Exhaust T- 224	1 1/8	1 3/8	17/64	45
14	TF, TFD, TJD, TH, THD, TFM					
54 ci	0.9 L	Intake T- 224	1 1/8	1 3/8	17/64	45
2		Exhaust T- 224	1 1/8	1 3/8	17/64	45
15	VE4, VE41, VE4D					
92 ci	1.5 L	Intake T- 224	1 1/8	1 3/8	17/64	45
4		Exhaust T- 224	1 1/8	1 3/8	17/64	45
16	VF4, VF4D, VH4, VH4D, VH4DM					
108 ci	1.8 L	Intake T- 224	1 1/8	1 3/8	17/64	45
4		Exhaust T- 224	1 1/8	1 3/8	17/64	45
17	V460D, V461D					
154 ci	2.5 L	Intake T- 953	1 3/8	1 5/8	1/4	45
4		Exhaust T- 224	1 1/8	1 3/8	17/64	45
18	V465					
177 ci	2.9 L	Intake T- 953	1 3/8	1 5/8	1/4	45
4		Exhaust T- 224	1 1/8	1 3/8	17/64	45
19	VR4D					
4	1958-73	Intake T- 1748	1 13/16	2 3/16	1/2	45
		Exhaust T- 1748	1 13/16	2 3/16	1/2	45

WITTE ENGINES

		Part No.	ID	OD	Depth	Ang.	
1	B, BD, CD						
		Int. OEM #47-313-236	Intake T- 1318	2 1/8	2 1/2	1/4	30
		Exh. OEM #47-313-117, B6425	Exhaust T- 1753	1 7/8	2 1/4	1/4	45
2	C, E-15						
		Intake T- 702	2 1/4	2 3/4	5/16	45	
		Exhaust T- 702	2 1/4	2 3/4	5/16	45	
3	F28, F32, F42						
		OEM #47-312-516	Intake T- 1131	3	3 3/4	3/8	45
			Exhaust T- 1131	3	3 3/4	3/8	45

WITTE ENGINES

	Part No.	ID	OD	Depth	Ang.	
4	Model 98					
	OEM #47-313-236, B6425	Intake T- 1753	1 7/8	2 1/4	1/4	45
		Exhaust T- 1753	1 7/8	2 1/4	1/4	45
5	120					
		Intake T- 2077	1 9/16	1 7/8	13/32	45
		Exhaust T- 2077	1 9/16	1 7/8	13/32	45

WORTHINGTON

	Part No.	ID	OD	Depth	Ang.	
1	5 3/4 X 9 Ver. Exp.					
	Int. OEM #268009K1 Alt. Int. OEM #268009K3	Intake T- 1724	1 5/8	2.070	.620	---
		Alt-Int T- 1725	1 5/8	2.100	.620	---
	Exh. OEM #268009K2 Alt. Exh. OEM #268009K4	Exhaust T- 1324	2 1/16	2.570	.620	---
		Alt-Exh T- 1326	2 1/16	2.600	.620	---
2	BBG 9 X 10 1/2					
	Exh. OEM #78051	Exhaust T- 2107	3 1/4	3 15/16	9/16	45
3	BG 9 X 10 1/2					
	OEM #78070	Intake T- 4211	3 3/8	4 1/8	9/16	45
		Exhaust T- 4211	3 3/8	4 1/8	9/16	45
4	CCG 12 1/4 X 14 1/2 Ver. Gas					
	OEM #77662A	Intake T- 6040	4 1/16	5 7/16	1.921	45
		Exhaust T- 6040	4 1/16	5 7/16	1.921	45
5	CG 12 1/4 x 14 1/2 Ver. Gas					
	OEM #77662A	Intake T- 6040	4 1/16	5 7/16	1.921	45
		Exhaust T- 6040	4 1/16	5 7/16	1.921	45
6	DDG 15 X 17 1/2					
	OEM #78865B	Intake T- 6030	5	6 9/16	1 7/8	45
		Exhaust T- 6030	5	6 9/16	1 7/8	45
7	24 X 36 Air Starting Valve Insert					
		Exhaust T- 2411	2 3/16	2 7/8	3/8	45/R
8	24 x 36 Horizontal Gas					
		Exhaust T- 7600	9 1/8	10.6275	1	30
	Alternate Exhaust	Alt-Exh T- 7610	9 1/8	10.7535	1 1/8	30

WORTHINGTON

		Part No.	ID	OD	Depth	Ang.
9	24 x 36 Horizontal Gas Alt.					
		Exhaust T- 7611	9 1/8	10 3/4	1	30
10	DDX					
		Exhaust T- 6015	4 1/4	5 3/8	3/4	45
11	LCE 11 1/2 X 12					
	OEM #78070	Intake T- 4211	3 3/8	4 1/8	9/16	45
		Exhaust T- 4211	3 3/8	4 1/8	9/16	45
12	LFC Gas Engine Compressor 11 1/2 x 12					
	OEM #79857	Intake T- 4210	3 3/8	4 1/8	7/8	45
		Exhaust T- 4210	3 3/8	4 1/8	7/8	45
13	LPE 11 1/2 X 12					
	OEM #78070	Intake T- 4211	3 3/8	4 1/8	9/16	45
		Exhaust T- 4211	3 3/8	4 1/8	9/16	45
14	LTC Fuel Inj. Insert					
	15 x 15 Gas for counterbored 1401	Intake T- 2807	1 9/16	2 1/16	1/2	45
15	LTC, 15 x 15 - Fuel Inj. Seat - Early					
	OEM #L467A	Intake T- 2098	1 9/16	2.252	1 3/4	45
		Exhaust T- 2098	1 9/16	2.252	1 3/4	45
16	LTC - Fuel Inj. Seat - Late					
	OEM #560153-1	Intake T- 2164	1 9/16	2 15/16	1 15/16	45
		Exhaust T- 2164	1 9/16	2 15/16	1 15/16	45
17	MLV					
	Int. OEM #560153S-1	Intake Q- 0154	1 1/8	1.745	2 1/2	15
18	MLV Cap					
	Cap for MLV Seat	Intake Q- 0409	1.750	2.938	2.567	
19	SCCGO (Super Charged)					
	OEM #560291E Retaining Rings Available	Intake T- 2216	3 3/4	4.7495	25/32	45/R
		Exhaust T- 2216	3 3/4	4.7495	25/32	45/R
20	SCCGO 10 3/4 x 14 1/2					
	Int. OEM #560265F Exh. OEM #560291E Retaining Rings Available	Intake T- 2217	3 3/4	4.688	1	45/R
		Exhaust T- 2216	3 3/4	4.7495	25/32	45/R

WORTHINGTON

		Part No.	ID	OD	Depth	Ang.
21	SDDGO 13 1/4 x 17 1/2					
	Exh. OEM #165258	Exhaust T- 6010	4 1/4	5.376	1	45
22	SDHG 4 Valve Head					
	Int. OEM #560069E-2 Exh. OEM #560265A Retaining Rings Available	Intake T- 2230 Exhaust T- 2235	4 3/8 4 3/8	5.3745 5.4995	3/4 31/32	45/R 45/R
23	SDRGO (Press In Type)					
		Exhaust T- 2242	4 3/8	5.504	1 3/32	45/R
24	SDRGO 13 1/4 x 17 1/2 Supercharged Dual Fuel					
	Exh. OEM #560265C, D1 & D2	Exhaust T- 2238	4 3/8	5.4995	1.094	45/R
25	SEH 16 X 20					
	Exh. OEM #560069-D Alternate Exhaust	Exhaust T- 6017 Alt-Exh T- 6018	5 5/8 5 5/8	6 15/16 6.995	1 1/8 1 1/8	45/R 45/R
26	SEH, SEH-7, SEHG, SEHGO Supercharged Diesel					
	OEM #560069 Press In type 16 X 20 Supercharged	Intake T- 6000 Exhaust T- 6000	5 3/4 5 3/4	6.7545 6.7545	.940 .940	45 45
27	SEH, SEHG, SEHGO, SLHCO 16 x 20					
	OEM #560069B Alt. Int. & Exh. OEM #560069G 16 x 20 Supercharges Vert.	Intake T- 6019 Alt-Int T- 6013 Exhaust T- 6019 Alt-Exh T- 6013	5 1/4 5 5/8 5 1/4 5 5/8	6.907 6 3/4 6.907 6 3/4	1 1/8 15/16 1 1/8 15/16	45 45/R 45 45/R
28	SEHG 4 Valve Head					
	Int. OEM #560069E Exh. OEM #560265A Retaining Rings Available	Intake T- 2230 Exhaust T- 2235	4 3/8 4 3/8	5.3745 5.4995	3/4 31/32	45/R 45/R
29	SLHC (Super Charged)					
	OEM #560291E Retaining Rings Available	Intake T- 2216 Exhaust T- 2216	3 3/4 3 3/4	4.7495 4.7495	25/32 25/32	45/R 45/R
30	SLHC 11 1/2 x 12					
	Int. OEM #560265F Exh. OEM #560291E Retaining Rings Available	Intake T- 2217 Exhaust T- 2216	3 3/4 3 3/4	4.688 4.7495	1 25/32	45/R 45/R

WORTHINGTON

		Part No.	ID	OD	Depth	Ang.
31	SLHCA Diesel & Gas					
	Int. OEM #560265F Exh. OEM #560291E Retaining Rings Available	Intake T- 2217	3 3/4	4.688	1	45/R
		Exhaust T- 2216	3 3/4	4.7495	25/32	45/R
32	SLHCA (Super Charged)					
	OEM #560291E Retaining Rings Available	Intake T- 2216	3 3/4	4.7495	25/32	45/R
		Exhaust T- 2216	3 3/4	4.7495	25/32	45/R
33	SUTC - Fuel Inj. Insert					
		Intake T- 2807	1 9/16	2 1/16	1/2	45
		Exhaust T- 2807	1 9/16	2 1/16	1/2	45
34	SUTC Fuel Inj. Seat					
	OEM #560153G-1	Intake Q- 0153	1 9/16	2 15/16	1 13/16	45/R
		Exhaust Q- 0153	1 9/16	2 15/16	1 13/16	45/R
35	SUTC, UTC (L Head) - Fuel Inj. Seat					
	OEM #560153G-1	Intake Q- 0153	1 9/16	2 15/16	1 13/16	45/R
		Exhaust Q- 0153	1 9/16	2 15/16	1 13/16	45/R
36	SUTC, UTC (L Head) Mainliner					
	Exh. OEM #560184AA Retaining Rings Available	Exhaust T- 6005	5 1/4	6.9255	1 1/8	30/R
37	SUTC, UTC, UTC (L Head) Fuel Inj. Insert					
		Intake T- 2807	1 9/16	2 1/16	1/2	45
		Exhaust T- 2807	1 9/16	2 1/16	1/2	45
38	SW 14 X 18, SWG 14 X 16 Gas					
	Int. OEM #560291B Retaining Rings Available Exh. OEM #560291P	Intake T- 2218	3 3/4	4.8695	.812	45/R
		Exhaust T- 2221	3 3/4	4.8695	.812	25/R
39	SWA 14 1/2 X 18					
	Int. OEM #560291D	Intake T- 2225	4	4.8745	.560	45
	Alt. Int. OEM #560291T	Alt-Int T- 2227	4	4.8745	9/16	25
	Exh. OEM #560291 Retaining Rings Available	Exhaust T- 2125	3 7/8	4.9995	7/8	45/R
40	SWB 14 1/2 X 18					
	Int. OEM #560291D	Intake T- 2225	4	4.8745	.560	45
	Alt. Int. OEM #560291T	Alt-Int T- 2227	4	4.8745	9/16	25
	Exh. OEM# 560291 Retaining Rings Available	Exhaust T- 2125	3 7/8	4.9995	7/8	45/R

WORTHINGTON

		Part No.	ID	OD	Depth	Ang.
41	Type 20					
		Exhaust T- 7541	6 13/16	8	3/4	30
42	UTC					
	Exh. OEM #560184E	Exhaust T- 6001	5 3/4	6.9255	1 1/8	30/R
43	UTC - Fuel Inj. Seat					
	OEM #L467A	Intake T- 2098	1 9/16	2.252	1 3/4	45
		Exhaust T- 2098	1 9/16	2.252	1 3/4	45
44	UTC Fuel Injection Insert					
		Intake T- 2807	1 9/16	2 1/16	1/2	45
		Exhaust T- 2807	1 9/16	2 1/16	1/2	45
45	UTC Fuel Seat Insert					
		Exhaust T- 282	1 1/8	1 13/32	1/4	15/R

YUGO

		Part No.	ID	OD	Depth	Ang.
1	GL, GV, GVL, GVS					
1116 cc	1.1 L	Intake T- 449	1 9/64	1 1/2	21/64	45/R
4	1986-88	Alt-Int T- 436	1.190	1 1/2	.330	45/R
	Alt. Int. w 1.423 Vl. Hd., .330 depth	Exhaust T- 437	1.070	1 5/16	.330	45/R

Section III

Valve Seat Listings

(Numerically by Stock Number)

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 101	7/8	1 1/8	5/16	45	T- 141	7/8	1.132	7/32	45
T- 102	.850	1 1/16	3/16	45	T- 142	.905	1 1/4	.230	45/R
T- 103	.850	1 1/8	3/16	45	T- 143	15/16	1 5/16	1/4	45/R
T- 104	53/64	1 1/16	.275	45	T- 144	3/4	1.079	5/16	45
T- 105	7/8	1 1/4	3/16	45	T- 145	7/8	1.876	1 1/4	45/R
T- 106	15/16	1 1/8	1/4	45	T- 146	.910	1 1/8	.236	45/R
T- 107	3/4	31/32	7/32	45	T- 147	1.042	1 5/16	.238	45
T- 108	3/4	31/32	9/64	45	T- 148	15/16	1.516	13/32	45
T- 109	15/16	1 3/16	3/16	45	T- 149	1.175	1 1/2	.236	45/R
T- 110	3/4	1	3/16	45	T- 150	1	1 1/4	1	---
T- 111	3/4	1 1/16	3/16	45	T- 151	1	1 1/4	1/2	---
T- 112	.934	1.373	5/16	45	T- 152	1	1.252	1	45/R
T- 113	7/8	1 1/8	3/16	45	T- 153	1	1 1/4	.360	45
T- 114	.785	1.070	.250	15/R	T- 154	1	1 1/4	3/8	45°
T- 115	7/8	1 1/8	7/32	45	T- 155	.790	1.069	.260	0/R
T- 116	15/16	1 3/8	5/16	45	T- 157	1 1/4	1 1/2	5/32	45
T- 117	.980	1.277	11/32	45	T- 158	1 3/16	1 3/8	7/32	45
T- 118	1 5/16	1.639	3/8	45	T- 159	1 3/16	1.575	3/8	--
T- 119	1 7/32	1.463	.333	45/R	T- 160	1.005	1.237	.250	20/R
T- 120	7/8	1 1/8	1/4	45	T- 161	.975	1.319	.280	
T- 121	15/16	1 1/8	3/16	45	T- 162	.970	1.257	.270	---
T- 122	1 5/16	1.632	7/16	---	T- 163	7/8	1 1/8	7/32	30
T- 123	.854	1 1/8	.237	45	T- 164	25/32	1 1/16	1/4	45
T- 124	1.120	1.269	.332	45	T- 165	.870	1 1/16	.195	45
T- 125	55/64	1 1/8	7/32	---	T- 175	7/8	1 3/16	7/32	45
T- 126	.984	1.265	.318	45	T- 176	1 3/32	1 13/32	7/32	30
T- 127	1.120	1.344	.332	45	T- 177	1.093	1.348	.217	30
T- 128	1.020	1.344	.332	45	T- 189	1 5/32	1 1/2	7/32	30
T- 129	7/8	1 1/16	3/16	45	T- 190	1	1 5/16	7/32	45
T- 130	7/8	1 1/16	5/32	45	T- 191	1.060	1 5/16	.280	45/R
T- 131	7/8	1 1/8	5/32	45	T- 192	1 3/32	1.414	5/16	45
T- 132	7/8	1.125	1/4	45	T- 193	1 3/16	1 9/16	3/8	45
T- 133	25/32	1 1/16	3/16	45	T- 194	1.100	1 7/16	.315	45/R
T- 134	.790	1.115	.320	45	T- 195	1 1/16	1 5/16	1/4	45
T- 135	15/16	1 1/8	7/32	45	T- 196	1	1 3/16	1/4	45
T- 136	.790	1 1/16	.254	45	T- 197	1	1 5/16	5/16	45
T- 137	.934	1 3/16	.257	45/R	T- 198	1 3/16	1 9/16	1/4	45/R
T- 138	53/64	1 1/8	7/32	45/R	T- 199	1 3/8	1 3/4	1/4	45/R
T- 139	25/32	1 1/8	7/32	45/R	T- 200	1 1/8	1.390	11/32	45
T- 140	29/32	1 3/16	5/32	45	T- 201	1	1 3/16	3/16	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 202	1	1 3/16	7/32	45	T- 243	1 3/16	1 1/2	7/32	45
T- 203	1	1.264	.271	30/R	T- 244	1 3/16	1 1/2	1/4	45
T- 204	1	1 1/4	3/16	45	T- 245	1	1 5/16	1/4	45
T- 205	1	1 1/4	7/32	45	T- 246	1 3/16	1 9/16	7/32	45
T- 206	1	1 1/4	1/4	45	T- 247	1 3/16	1 9/16	5/16	30
T- 207	1	1 3/8	3/16	45	T- 248	1 3/16	1 27/64	3/16	45
T- 208	1	1 5/16	3/16	45	T- 249	1 13/64	1 7/16	7/32	30/R
T- 209	1	1 1/2	13/32	30	T- 250	1 13/64	1.447	3/16	45
T- 210	1	1.194	5/32	---	T- 251	1 7/32	1 7/16	3/16	45
T- 211	1 1/32	1 9/32	1/4	45	T- 252	1 7/32	1.409	5/16	---
T- 212	1 3/64	1.259	.271	30	T- 253	1 3/16	1 1/2	3/16	45
T- 213	1 1/16	1 5/16	7/32	45	T- 254	1 7/32	1.454	1/4	45
T- 214	1 1/16	1 5/16	3/16	45	T- 255	1 7/32	1.463	1/4	45
T- 215	1 1/16	1.340	.200	45	T- 256	1 7/32	1 1/2	1/4	45
T- 217	1 1/16	1 3/8	3/16	45	T- 257	1 3/32	1 3/8	3/16	45
T- 218	1 1/16	1 7/16	3/16	45	T- 258	1 3/32	1 9/32	1/4	45
T- 219	1 1/16	1 3/8	7/32	45	T- 259	1 15/64	1.572	7/32	45
T- 220	1 3/32	1 11/32	13/64	45	T- 260	1 5/32	1.432	5/32	30
T- 221	1 1/8	1 11/32	1/4	45	T- 261	1 5/32	1.432	7/32	30
T- 222	1 1/8	1 3/8	3/16	45	T- 262	1 3/32	1 5/16	13/64	45
T- 223	1 1/8	1 3/8	7/32	45	T- 263	1 1/4	1 27/64	1/4	45
T- 224	1 1/8	1 3/8	17/64	45	T- 264	1 1/4	1 7/16	7/32	45
T- 225	1 1/8	1 3/8	1/4	45	T- 265	1 1/4	1 7/16	1/4	45
T- 226	1 1/8	1 7/16	3/16	45	T- 266	1	1.194	3/8	---
T- 227	1 1/8	1 7/16	7/32	45	T- 267	1 1/4	1 9/16	.240	30/R
T- 228	1 1/8	1 7/16	1/4	45	T- 268	1 1/4	1 31/64	5/16	45
T- 229	1 1/8	1 7/16	5/16	45	T- 269	1 1/8	1 9/16	7/32	45
T- 230	1 1/8	1 1/2	3/16	45	T- 270	1 1/4	1 1/2	3/16	45
T- 231	1 1/8	1 1/2	7/32	45	T- 271	1 1/4	1 1/2	7/32	45
T- 232	1 1/8	1 9/16	1/4	45	T- 272	1 1/4	1 1/2	1/4	45
T- 233	1 5/32	1 13/32	7/32	45	T- 273	1	1 9/16	21/64	45
T- 234	1 5/32	1 7/16	5/32	30	T- 274	1 7/32	1 27/64	1/4	45
T- 235	1 5/32	1 7/16	11/64	30	T- 275	1 1/4	1 9/16	3/16	30
T- 236	1 3/16	1 7/16	5/32	45	T- 276	1 1/4	1 9/16	3/16	45
T- 237	1 3/16	1 7/16	3/16	30	T- 277	1 1/4	1 9/16	7/32	30
T- 238	1 3/16	1 7/16	7/32	30	T- 278	1 1/4	1 9/16	1/4	45
T- 239	1 3/16	1 7/16	7/32	45	T- 279	1 7/32	1.444	1/4	45
T- 240	1 3/16	1 7/16	1/4	45	T- 280	1 19/64	1 9/16	.260	30/R
T- 241	1 1/8	1 1/2	1/4	45	T- 281	1 1/8	1 13/32	1/4	---
T- 242	1 3/16	1 5/8	7/32	45	T- 282	1 1/8	1 13/32	1/4	15/R

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 283	.975	1.262	1/4	30/R	T- 324	1 7/8	2 1/8	7/32	45
T- 284	.975	1 5/16	.271	30/R	T- 325	1 3/4	2	5/16	45
T- 285	1 13/64	1.438	.215	30	T- 326	1 3/4	2	3/8	45
T- 286	1.025	1 11/32	11/32	45	T- 327	1 3/4	2	5/32	30
T- 287	1 13/64	1 7/16	.215	30	T- 328	1 3/4	2 1/16	3/8	45
T- 288	1 1/4	1 1/2	7/32	45/R	T- 329	1 13/16	2 1/16	3/16	45
T- 289	1 11/32	1 9/16	7/32	45	T- 330	1 7/8	2 3/16	3/16	45
T- 290	.975	1.264	.271	30/R	T- 331	1 13/16	2 3/16	3/16	45
T- 291	1 3/16	1.538	15/64	45	T- 332	1.775	2 1/16	3/8	45
T- 292	1	1.275	1/4	30/R	T- 333	1 3/4	2.216	3/16	45
T- 293	.975	1 5/16	1/4	30/R	T- 334	1 3/4	2 1/16	11/32	45
T- 294	1 3/16	1.572	5/16	45	T- 335	1 13/16	2 3/16	5/16	45
T- 295	1 17/64	1 1/2	1/4	45	T- 336	1 1/4	1.428	1/4	45/R
T- 296	1 3/16	1.538	5/16	45/R	T- 337	1 3/16	1 1/2	5/32	45
T- 297	1	1 3/8	1/4	45	T- 338	1.323	1 3/4	.280	45/R
T- 298	1 3/32	1 3/8	7/32	45	T- 339	1.203	1 1/2	.280	45/R
T- 300	1 3/4	2	3/16	45	T- 340	1 13/16	2 3/16	1/4	45
T- 301	1 3/4	2	7/32	45	T- 341	1.335	1 5/8	.240	45/R
T- 302	1 3/4	2	1/4	45	T- 342	1.100	1 7/16	.240	45/R
T- 303	1 3/4	2	9/32	45	T- 343	1 19/32	2	3/16	45/R
T- 304	1 3/4	2 1/16	9/32	45	T- 344	1 7/8	2 3/16	1/4	30
T- 305	1 3/4	2 1/8	7/32	45	T- 345	1 53/64	2.015	3/16	45
T- 306	1 3/4	2 1/8	1/4	30	T- 346	1.140	1 7/16	.305	45/R
T- 307	1 3/4	2 1/8	9/32	30	T- 347	1.086	1 5/16	.305	45/R
T- 308	1 3/4	2 1/8	9/32	45	T- 348	1 17/64	1 1/2	7/32	45
T- 309	1 3/4	2 1/8	5/16	45	T- 349	1.390	1 11/16	.305	45/R
T- 310	1 3/4	2 1/8	3/8	30	T- 350	1 25/32	2.180	.300	30
T- 311	1 3/4	2 1/8	3/8	45	T- 351	1.210	1 1/2	.345	45/R
T- 312	1 3/4	2 9/64	3/8	45	T- 352	1.100	1 7/16	.293	45/R
T- 313	1 3/4	2 3/16	9/32	30	T- 353	.980	1 5/16	.293	45/R
T- 314	1 3/4	2 3/16	3/8	45	T- 354	1.260	1 9/16	.280	45/R
T- 315	1.800	2.192	3/8	45	T- 355	1 13/16	2 1/16	1/4	45/R
T- 316	1 13/16	2 1/16	1/4	45	T- 356	1 1/4	1 9/16	5/32	45
T- 317	1 13/16	2 1/16	9/32	45	T- 357	1 7/16	1 11/16	.200	30
T- 318	1 13/16	2 1/8	1/4	45	T- 358	1 7/32	1 1/2	7/32	45
T- 319	1 13/16	2 3/16	9/32	45	T- 359	1.190	1 1/2	.240	45/R
T- 320	1 13/16	2 3/16	3/8	45	T- 360	1.020	1 5/16	.240	45/R
T- 321	1 7/8	2 1/8	1/4	45	T- 361	1.260	1 1/2	.240	45/R
T- 322	1 7/8	2 3/16	9/32	45	T- 362	1.060	1 5/16	.240	45/R
T- 323	1 25/32	2 3/8	5/16	45	T- 363	1 15/32	1 3/4	5/16	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 364	1 3/16	1 1/2	.215	45/R	T- 405	2 1/2	2 7/8	5/16	45
T- 365	1 19/32	1.944	5/16	45	T- 406	1.446	1 13/16	.307	45/R
T- 366	1.100	1.444	5/16		T- 408	2 1/2	3	5/16	30
T- 367	1.496	1 13/16	.303	45/R	T- 409	2 1/2	3	3/8	45
T- 368	1 3/16	1 1/2	.304	45/R	T- 410	2 1/2	2 7/8	3/8	45
T- 369	1 11/32	1 5/8	.304	45/R	T- 411	2 1/2	2 15/16	5/16	45
T- 370	1 7/32	1 7/16	7/32	45	T- 412	2 1/2	3	3/8	30
T- 371	1 11/16	2 3/16	9/32	45	T- 413	2 1/2	3 1/16	9/32	45
T- 372	1 11/16	2.003	9/32	30	T- 414	2 1/2	3 1/16	3/8	30
T- 374	1.400	1.609	1/4	45	T- 415	2 1/2	3 1/8	9/32	30
T- 375	1.270	1.486	.290	45	T- 416	1 3/16	1 1/2	.305	45/R
T- 376	1.600	1.814	.315	45	T- 417	1 13/32	1 13/16	.317	45/R
T- 377	1.420	1.670	.302	45	T- 418	1 1/4	1 5/8	.303	45/R
T- 378	1.660	1.865	13/32	45	T- 420	2 1/2	3 1/8	9/32	45
T- 379	1 7/16	1 41/64	13/32	45	T- 421	2 1/2	3 1/8	3/8	30
T- 380	1 13/32	1.646	9/32	30	T- 422	2 1/2	3 1/8	3/8	45
T- 381	1 13/32	1.611	13/32	45	T- 423	1.530	1 13/16	.305	45/R
T- 382	1.300	1 11/16	.362	45/R	T- 424	2 1/2	3 3/16	3/8	45
T- 383	1.185	1 7/16	.304	45/R	T- 425	2 17/32	3 1/8	3/8	45
T- 384	1 1/8	1.444	13/32	45	T- 426	2 17/32	3 3/16	3/8	45
T- 385	1.060	1 3/8	.280	45/R	T- 427	.910	1.257	.285	
T- 386	1.455	1 3/4	.310	45/R	T- 428	2 5/8	3 1/8	3/8	30
T- 387	1.220	1 1/2	.310	45/R	T- 429	1 9/32	1 1/2	1/4	45
T- 388	1 1/4	1.488	.398	30/R	T- 430	2 41/64	3 1/8	3/8	45
T- 389	1 13/16	2 1/8	7/32	45	T- 431	2 3/4	3 1/16	3/8	30
T- 390	1 1/16	1 5/16	1/4	45/R	T- 432	2 3/4	3 1/8	3/8	45
T- 391	1 19/32	1 15/16	5/16	30	T- 433	2 3/4	3 3/16	3/8	45
T- 392	1.087	1 5/16	.214	45/R	T- 434	1 1/16	1 5/16	3/8	45
T- 393	1.440	1 3/4	1/4	45/R	T- 436	1.190	1 1/2	.330	45/R
T- 394	1 1/2	1.732	1/4	45/R	T- 437	1.070	1 5/16	.330	45/R
T- 395	1.593	1 13/16	7/32	45/R	T- 438	1.390	1 3/4	.250	45/R
T- 396	1.340	1 9/16	7/32	45/R	T- 439	1.275	1 1/2	1/4	45/R
T- 397	1 3/8	1 11/16	7/32	45/R	T- 440	2 1/2	2 15/16	3/8	45
T- 398	1 1/8	1 3/8	7/32	45/R	T- 441	1 5/32	1 7/16	13/32	45/R
T- 399	1 53/64	2 3/32	9/32	45	T- 442	1	1 3/8	13/32	45/R
T- 400	1 7/32	1 1/2	7/32	45/R	T- 443	1 1/4	1 9/16	23/64	45/R
T- 401	2 1/2	3	1/4	45	T- 444	2 9/16	3 1/8	3/8	45
T- 402	2 13/32	3 1/8	3/8	45	T- 445	2 37/64	3 1/8	3/8	45
T- 403	2 1/2	3	9/32	45	T- 446	1 1/4	1.570	.354	
T- 404	2 1/2	2 13/16	3/8	45	T- 447	1 9/64	1 1/2	23/64	45/R

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 448	15/16	1 5/16	.300	45/R	T- 490	1 5/16	1 5/8	3/16	45
T- 449	1 9/64	1 1/2	21/64	45/R	T- 491	1 1/8	1 1/2	1/4	45/R
T- 450	.910	1 1/4	9/32	45/R	T- 492	1 3/16	1 3/8	5/16	45
T- 451	1 3/4	2.024	15/64	45	T- 493	1 13/16	2 3/16	11/32	45
T- 452	1 31/64	1.762	15/64	45	T- 494	1.177	1.540	.318	45/R
T- 453	1.712	2.001	.385	30	T- 495	1 1/2	1 3/4	7/32	30
T- 454	1.348	1 5/8	.365	45	T- 496	1 3/4	2 1/8	1/4	45/R
T- 455	1 1/2	1 3/4	.255	45/R	T- 497	1.220	1 9/16	.344	45/R
T- 456	1.107	1 3/8	.253	45/R	T- 498	1 13/32	1 7/8	7/32	45
T- 457	1.410	1 3/4	.279	45/R	T- 499	1 1/16	1 3/8	1/4	45
T- 458	1.203	1 1/2	.277	45/R	T- 500	1 7/32	1 9/16	.300	45/R
T- 459	1 13/32	1 7/8	7/32	45/R	T- 501	1 11/32	1 3/4	3/8	45
T- 460	1 13/64	1.681	5/16	45	T- 502	2 7/8	3 3/8	3/8	30
T- 461	1 13/64	1 3/4	5/16	45	T- 503	2 3/4	3 1/4	3/8	45
T- 462	1.181	1 9/16	.315	45	T- 504	2 3/4	3 5/16	9/32	30
T- 463	1.181	1 11/16	.315	45/R	T- 505	2 3/4	3 5/16	7/16	30
T- 464	1.693	2.225	.394	45	T- 506	2 3/4	3 3/8	7/16	30
T- 465	1.693	2.244	.394	45	T- 507	2 7/8	3 1/4	5/16	30
T- 466	1 19/32	2 1/8	9/32	-/R	T- 508	2 7/8	3 3/8	3/8	45
T- 467	1 13/64	1 3/4	3/8	45	T- 509	2 3/4	3 5/16	7/16	45/R
T- 468	1.345	1 11/16	.325	45/R	T- 510	2 7/8	3 1/4	3/8	30
T- 469	1.210	1 1/2	.325	45/R	T- 511	1.103	1.339	.355	45
T- 470	.965	1 1/4	1/4	45/R	T- 512	2 13/16	3.411	5/16	45/R
T- 471	1.210	1.456	.345	45/R	T- 513	1 1/8	1 1/2	3/8	45
T- 472	1.230	1 7/16	.250	45/R	T- 514	1.590	1 15/16	7/16	45
T- 473	1.430	1 3/4	.215	45/R	T- 515	1.103	1 1/2	1/4	---
T- 474	1.110	1 7/16	.215	45/R	T- 516	1 7/32	1 9/16	.295	---
T- 475	1.420	1 13/16	.315	45/R	T- 517	1 7/32	1 9/16	1/4	---
T- 476	1.220	1 1/2	.315	45/R	T- 518	1.200	1 7/16	.297	45
T- 477	1.360	1 3/4	.315	45/R	T- 519	1.450	1 11/16	.297	45
T- 478	1.190	1 9/16	.315	45/R	T- 520	1 1/8	1 3/8	3/8	
T- 480	1 11/16	2.013	.234	45	T- 521	1 1/8	1 7/16	1/4	45/R
T- 481	1 7/16	1 11/16	11/32	45/R	T- 522	1.086	1 5/16	.305	45
T- 482	1.307	1 1/2	11/32	30/R	T- 523	1.300	1 9/16	5/16	45/R
T- 483	1 5/16	1 5/8	11/32	45/R	T- 524	1 1/8	1 3/8	.325	45
T- 484	1.265	1 1/2	11/32	45/R	T- 525	1 27/64	1 13/16	9/32	-/R
T- 485	1 11/16	2	.234	30	T- 526	1 11/32	1 5/8	9/32	-/R
T- 486	1 3/16	1 1/2	5/16	45	T- 527	1 11/32	1 5/8	.285	45/R
T- 487	.980	1.342	11/32	45	T- 528	1.335	1 11/16	.275	45/R
T- 488	1 1/16	1.342	11/32	45	T- 529	1.182	1 1/2	.275	45/R

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 530	1 7/32	1 1/2	9/32	45	T- 570	1.045	1 5/16	5/16	45
T- 531	1 3/16	1 9/16	.305	45/R	T- 571	1 29/64	1 3/4	1/4	---
T- 532	1.220	1.5065	.350	---	T- 572	1 1/8	1 3/8	9/32	45
T- 533	1.044	1 5/16	.273	45	T- 573	1 7/32	1.588	.316	-/R
T- 534	1.010	1 1/4	.257	45/R	T- 574	1 7/32	1 11/16	.316	-/R
T- 535	1.100	1 7/16	.227	45/R	T- 575	1.025	1 3/16	.234	45/R
T- 536	1 13/16	2 1/8	3/16	45	T- 576	1.590	1 13/16	.450	45/R
T- 537	2 1/2	3.133	1/2	45	T- 577	1.335	1 5/8	.420	45/R
T- 538	1.454	1 3/4	.277	45	T- 578	1.585	1 15/16	9/32	45/R
T- 539	1.181	1 7/16	.280	45/R	T- 579	1 1/4	1 9/16	.319	45/R
T- 540	1.415	1 3/4	.300	45/R	T- 580	1 1/16	1 5/16	5/16	45
T- 541	1.180	1 1/2	.300	45/R	T- 581	.945	1 3/8	.296	45
T- 542	1.219	1 9/16	.317	45	T- 582	1 1/16	1 7/16	.325	45/R
T- 543	1.320	1 5/8	.300	45	T- 583	1.024	1 1/2	.296	45
T- 544	1.105	1 7/16	.322	45	T- 584	1 1/16	1 1/2	.296	45
T- 545	1.200	1 9/16	7/32	45	T- 585	1.260	1.496	.355	45/R
T- 546	1.179	1 1/2	.293	45/R	T- 586	1.102	1.378	.355	45/R
T- 547	1.085	1 3/8	.236	45/R	T- 587	1.181	1.453	.213	45/R
T- 548	1.215	1 1/2	.275	45/R	T- 588	1.713	1.989	.354	45
T- 549	1.200	1 9/16	.293	45/R	T- 589	1.183	1.418	.177	45/R
T- 550	1 1/32	1 5/16	5/32	45	T- 590	1.395	1.621	.314	45
T- 551	1 5/64	1 5/16	7/32	45	T- 591	1.394	1 7/8	.295	30
T- 552	1 25/32	2 1/8	5/16	30	T- 592	1.755	2 5/16	.415	-/R
T- 553	1 3/16	1 9/16	1/4	---	T- 593	1.410	1 15/16	.412	-/R
T- 554	1.765	2.165	.300	30	T- 594	1 1/16	1.524	.276	45/R
T- 555	1.765	2 3/16	.300	30	T- 595	.945	1.209	.276	45/R
T- 556	1.300	1 5/8	.354	45	T- 596	1 1/16	1 7/32	.256	45
T- 557	1.713	2 3/16	.433	45	T- 597	1 3/16	1 3/8	3/16	
T- 558	1.025	1 3/8	.230	45/R	T- 598	1 3/4	2 1/8	1/4	45
T- 559	1 1/16	1 5/16	.215	45/R	T- 599	1 11/64	1 7/16	1/4	45
T- 560	1.260	1 9/16	.233	45/R	T- 600	1.157	1.382	.303	45
T- 561	1.065	1 3/8	.203	45/R	T- 601	2 3/8	2 7/8	3/8	30
T- 562	1 1/8	1 3/8	9/32	45/R	T- 602	2 3/8	2 7/8	3/8	45/R
T- 563	1.203	1 1/2	.283	45	T- 603	2 3/8	2 7/8	9/16	45
T- 564	1.338	1 11/16	.309	45/R	T- 604	2 3/8	2 15/16	1/2	45
T- 565	1.162	1 7/16	.310	45	T- 605	2 3/8	2 15/16	9/16	45
T- 566	.965	1 5/16	.235	45/R	T- 606	1 11/32	1.694	1/4	45/R
T- 567	1 1/4	1.444	3/8	---	T- 607	1 5/16	1.6195	.335	45
T- 568	1 5/64	1.365	23/64	45	T- 608	2 1/2	2 15/16	9/16	45
T- 569	1 3/32	1 3/8	13/64	45	T- 609	1 1/16	1 7/16	7/32	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 610	2 3/8	3	9/16	45	T- 652	1 13/32	1.819	.284	
T- 611	2 7/16	2 7/8	3/8	45	T- 653	1 13/32	1.828	.284	
T- 612	2 3/8	2 7/8	9/16	15	T- 654	1 1/8	1 3/8	.305	45/R
T- 613	2 1/2	3	1/2	30	T- 655	1 1/16	1 5/16	9/32	45
T- 614	2 1/2	3	1/2	45	T- 656	2 3/8	2 7/8	9/16	30
T- 615	2 7/16	2 7/8	5/16	45	T- 657	1 21/32	2.035	3/8	45
T- 616	1.201	1 1/2	5/16	45	T- 658	1.162	1 7/16	.230	45
T- 617	1 11/32	1 3/4	5/16	45	T- 659	1 3/4	2.078	11/32	45
T- 618	1 29/64	1 7/8	5/16	45/R	T- 660	1 3/4	2.137	.400	
T- 619	2 3/8	2 7/8	5/16	45	T- 661	1 9/16	1.945	.400	
T- 620	2 3/8	2 7/8	1/4	30	T- 662	1.750	2.210	.435	
T- 621	2 5/16	2 15/16	5/16	30	T- 663	1.562	2.016	.435	
T- 622	1	1 3/8	11/32	45	T- 664	4 1/8	4 3/4	3/8	0/G
T- 623	1.024	1 1/4	.257	45	T- 665	1.297	1.5395	.275	45
T- 624	2 5/16	2 11/16	1/4	30	T- 667	1	1 3/8	9/32	
T- 625	1.102	1 3/8	.260	45	T- 668	1.532	1.7845	.288	45
T- 627	2 7/16	3.004	13/32	45/R	T- 670	1 1/16	1 7/16	9/32	
T- 629	2 7/16	3	.555	30	T- 671	1.045	1 5/16	5/16	45/R
T- 630	2 7/16	3	.555	20	T- 672	2 5/8	3 1/8	3/8	45
T- 631	2 7/16	3.002	7/16	15	T- 673	1.162	1.444	.214	0/R
T- 632	1.412	1.6385	.218	45	T- 674	.982	1.257	.212	0/R
T- 633	1 1/32	1 5/16	1/4	45	T- 675	1.170	1.569	.267	
T- 634	1 29/64	1 11/16	1/4	45/R	T- 676	1 15/32	1.812	.200	--
T- 635	1.166	1 7/16	1/4	45/R	T- 677	1 7/32	1 1/2	5/16	45
T- 636	1.080	1 5/16	1/4	45/R	T- 678	1.175	1 7/16	.260	45
T- 637	1 1/16	1 1/4	1/4	45	T- 679	1.030	1 1/4	.215	45
T- 638	1.172	1 3/8	1/4	45/R	T- 680	1 1/4	1.569	.325	
T- 639	1.025	1 3/8	11/32	45/R	T- 681	1.210	1.449	.345	45/R
T- 640	1 3/16	1 1/2	5/16	45/R	T- 683	1.165	1 3/8	.310	45
T- 641	1.025	1.411	11/32	45	T- 685	1 1/4	1.634	.394	
T- 642	1.025	1 7/16	11/32	45	T- 686	1 3/8	1.757	.320	45
T- 643	1.025	1.352	21/64	45	T- 687	1 3/16	1 1/2	3/8	45
T- 644	1.025	1 3/8	21/64	45	T- 689	2 3/8	2 7/8	3/8	45
T- 645	1 3/16	1 7/16	3/16	45	T- 690	1.070	1.350	.304	45
T- 646	1 1/8	1 1/2	11/32	45/R	T- 691	1.023	1 1/4	.273	45/R
T- 647	1 13/32	1 25/32	.288	45/R	T- 692	1.142	1 7/16	.336	45/R
T- 648	1 3/4	2 1/8	5/16	45/R	T- 693	.982	1.257	.329	
T- 649	1.820	2.200	5/16	45/R	T- 694	.825	1 1/8	.285	0/R
T- 650	1 1/4	1 9/16	.230	45/R	T- 695	1.150	1.380	.265	0/R
T- 651	1 1/4	1 9/16	1/4	45/R	T- 700	1 1/16	1 1/2	5/16	

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 701	2 3/16	2 11/16	1/2	45	T- 745	1 1/16	1 9/16	3/8	45
T- 702	2 1/4	2 3/4	5/16	45	T- 746	1.600	2.0005	.317	45/R
T- 703	2 1/4	2 3/4	3/8	45	T- 747	1.600	2.0005	.378	45/R
T- 704	2 1/4	2 3/4	1/2	45	T- 748	1.690	2.0005	.378	45/R
T- 705	2 1/4	2 13/16	1/2	45	T- 750	1 3/16	1 3/8	1/4	
T- 706	2 1/4	2 7/8	3/8	45	T- 751	1 1/8	1.321	3/16	45
T- 707	2 9/32	2.574	1/2	30/R	T- 752	.890	1.068	3/16	
T- 708	2 9/32	2 3/4	1/2	30/R	T- 753	.900	1 1/8	.325	45
T- 709	2 9/32	2 7/8	3/8	45	T- 754	1 1/16	1 1/4	7/32	45
T- 710	2 5/16	2 3/4	5/16	30	T- 756	1 5/16	1 9/16	3/8	45
T- 711	2 5/16	2 3/4	3/8	45	T- 757	1.600	2.005	.375	/R
T- 712	2 5/16	2 3/4	7/16	45	T- 758	1.950	2.505	.375	30
T- 713	2 5/16	2.808	1/2	30/R	T- 760	1 5/16	1.7605	.256	
T- 714	2 3/8	2 11/16	1/4	30	T- 767	2.200	2.4905	3/8	
T- 715	2 3/8	2 3/4	3/8	30	T- 768	1.600	2.0055	3/8	
T- 716	2 3/8	2 3/4	9/32	30	T- 770	2 9/32	2.590	5/8	30
T- 717	2 3/8	2 3/4	.433	45	T- 771	1 7/16	1.784	.288	45/R
T- 718	2 9/32	2 3/4	1/2	30	T- 779	1.295	1 1/2	.262	45
T- 719	2 3/8	2 13/16	5/16	45/R	T- 780	2.297	2.846	.358	45/R
T- 720	2 3/8	2 3/4	3/8	45	T- 781	1.675	2.127	.312	45/R
T- 721	2 3/8	2 13/16	3/8	30	T- 782	1 1/4	1.555	1/4	45
T- 722	2 3/8	2 3/4	1/4	30	T- 783	1 1/4	1.555	1/4	30
T- 723	2 3/8	2.752	7/16	45/R	T- 785	1 7/32	1 7/16	1/4	
T- 724	2 9/32	2 9/16	1/2	30/R	T- 790	1 1/2	1.832	7/32	---
T- 725	1 7/32	1 1/2	11/32	45	T- 792	1 19/32	2.0065	3/8	45/R
T- 726	2 1/4	2 13/16	5/16	45	T- 797	1 13/16	2.160	.350	45
T- 727	2 5/16	2 7/8	1/4	45	T- 800	2.100	2 3/8	3/8	45
T- 728	2 5/16	2 7/8	5/16	45	T- 801	2	2 5/16	1/4	45
T- 729	2 5/16	2 3/4	.288	30	T- 802	2	2 5/16	9/32	45
T- 730	2 1/4	2 7/8	1/2	45	T- 803	2	2 3/8	3/16	30
T- 731	1 7/32	1 9/16	.355	45/R	T- 804	2	2 3/8	7/32	45
T- 732	1 7/32	1 1/2	3/16		T- 805	2	2 3/8	1/4	45
T- 733	1.102	1.457	.354	45	T- 806	2	2 3/8	9/32	45
T- 734	1 1/16	1 7/16	5/16	---	T- 807	2	2 3/8	5/16	---
T- 736	1.840	2.1305	.237	45	T- 808	2	2 3/8	3/8	45
T- 740	1 7/32	1 9/16	5/16	45	T- 809	2	2.437	1/4	45
T- 741	1.181	1.535	.354	45	T- 810	2	2 7/16	3/8	45
T- 742	2 9/32	2 5/8	1/2	30/R	T- 811	2	2 7/16	7/16	45
T- 743	2 9/32	2 5/8	1/2	30	T- 812	2	2 1/2	9/32	45
T- 744	1 7/32	1 9/16	.355	45	T- 813	2	2 1/2	3/8	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 814	2	2 1/2	1/2	45	T- 854	1.260	1.654	.374	45
T- 815	2	2 1/2	7/16	45	T- 855	2	2.288	.423	45
T- 816	2	2 7/16	1/4	45	T- 856	2 1/32	2.380	.323	30
T- 817	2 1/16	2 1/2	7/16	45/R	T- 857	2.045	2.367	.382	30
T- 818	1.900	2.500	1/2	45	T- 859	2.035	2.380	.315	30
T- 819	1 15/16	2 5/8	7/16	45	T- 860	2.180	2.5000	.545	45
T- 820	2	2 33/64	1/2	45	T- 861	1 7/16	1 23/32	7/32	45
T- 821	2	2 9/16	1/2	45	T- 862	2.026	2 3/8	5/16	30
T- 822	2	2 5/8	9/32	45	T- 863	2.035	2 3/8	.315	30
T- 823	2	2 5/8	5/16	45	T- 864	1 1/4	1 9/16	9/32	45
T- 824	2	2 5/8	3/8	45	T- 865	1 9/16	1.945	3/8	45
T- 825	2 3/64	2 7/16	.300	30	T- 871	2 3/16	2 1/2	1/2	45/R
T- 826	2 1/16	2 1/2	.485	45/R	T- 872	2	2.372	3/8	45
T- 827	2 1/16	2 1/2	13/32	45/R	T- 873	1.925	2.380	.315	30
T- 828	2.023	2 1/2	.545	45	T- 874	1 5/16	1 1/2	3/16	45
T- 829	2.023	2 9/16	.545	45	T- 875	1 5/16	1 1/2	7/32	45
T- 830	2	2 3/8	.322	30	T- 876	1 5/16	1.672	7/32	30
T- 831	2	2.505	.420	45	T- 877	1.305	1 5/8	.227	45/R
T- 832	2	2 1/4	3/16	45	T- 878	1.298	1.630	.345	45/R
T- 833	2	2 1/4	1/4	45	T- 879	1 5/16	1.657	.395	45/R
T- 834	2	2 1/2	1/2	45/R	T- 880	1.305	1 11/16	.405	45/R
T- 835	2 1/16	2 1/2	1/2	45/R	T- 881	2 1/4	2 5/8	9/16	45/R
T- 836	2 1/16	2 9/16	1/2	45/R	T- 882	1.300	1 11/16	.296	45
T- 837	2	2 1/4	7/32	45/R	T- 883	1.300	1.626	3/8	45
T- 838	1 5/16	1 11/16	.236	45	T- 884	1.300	1.634	3/8	45
T- 839	2	2 1/4	9/32	45	T- 885	1.300	1.654	.374	45
T- 840	2	2 7/16	9/32	45	T- 886	1.300	1 11/16	5/16	45/R
T- 841	2 1/32	2 3/8	3/8	30	T- 887	1 5/16	1 1/2	7/32	45/R
T- 842	2 3/64	2.366	3/8	30	T- 889	1 1/4	1.632	5/16	45
T- 843	2	2 5/16	3/8	45	T- 890	2 1/8	2 7/16	1/2	30/R
T- 844	2 1/8	2 1/2	1/2	30/R	T- 893	1.299	1.693	.374	45
T- 845	2 1/8	2.418	1/2	30/R	T- 895	1 5/16	1.601	1/4	45
T- 846	2 1/16	2 1/2	1/2	45	T- 896	1 19/32	1 7/8	1/4	45/R
T- 847	2 1/8	2 1/2	1/2	30	T- 897	1 5/16	1 19/32	9/32	45
T- 848	2	2 3/8	3/16	45	T- 898	1 5/16	1.544	7/32	45
T- 849	2	2.385	9/32	45	T- 899	1 9/16	1 15/16	5/16	30/R
T- 850	2	2 1/2	3/8	-/R	T- 900	1 5/16	1 9/16	3/16	45
T- 851	2 1/32	2.368	3/8	30	T- 901	1 3/8	1 3/4	9/32	45/R
T- 852	2 1/32	2 3/8	.330	30	T- 902	1 3/8	1 9/16	7/32	45
T- 853	2 1/32	2 3/8	5/16	30	T- 903	1 5/16	1 9/16	5/16	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 904	1 5/16	1 11/16	1/4	45/R	T- 944	1 11/32	1 5/8	.271	30/R
T- 905	1 5/16	1 3/4	1/4	45	T- 945	1 11/32	1 5/8	1/4	30/R
T- 906	1 5/16	1 3/4	7/32	45	T- 946	1 11/32	1.656	7/32	45
T- 907	1 13/32	1 41/64	3/16	45	T- 947	1 11/32	1 5/8	1/4	45
T- 908	1 1/4	1 9/16	.260	30/R	T- 948	1 3/8	1 5/8	5/32	45
T- 909	1 1/4	1 9/16	5/16	30	T- 949	1 3/8	1.640	1/4	45
T- 910	1 1/4	1 9/16	5/16	45	T- 950	1 3/8	1 9/16	1/4	45
T- 911	1 1/4	1 5/8	7/32	45	T- 951	1 3/8	1 5/8	7/32	30
T- 912	1 1/4	1 5/8	1/4	45	T- 952	1 3/8	1 5/8	7/32	45
T- 913	1 1/4	1 5/8	5/16	45	T- 953	1 3/8	1 5/8	1/4	45
T- 914	1 1/4	1 11/16	1/4	45	T- 954	1 3/8	1 5/8	17/64	45
T- 915	1 1/4	1 3/4	1/4	45	T- 955	1 3/8	1.636	7/32	45
T- 916	1.425	1 3/4	9/32	45	T- 956	1 3/8	1.639	7/32	45
T- 917	1 9/32	1 11/16	5/16	45/R	T- 957	1 3/8	1 41/64	1/4	45
T- 918	1 1/4	1 37/64	3/8	45/R	T- 958	1 3/8	1 21/32	1/4	45
T- 919	1 5/16	1 5/8	5/16	45	T- 959	1 3/8	1.676	17/64	45
T- 920	1 9/32	1 33/64	1/4	45	T- 960	1 3/8	1 11/16	7/32	45
T- 921	1 9/32	1 9/16	7/32	45	T- 961	1 3/8	1 11/16	1/4	30
T- 922	1 9/32	1 5/8	5/16	45/R	T- 962	1 3/8	1 11/16	1/4	45
T- 923	1 1/4	1 5/8	5/16	45/R	T- 963	1 3/8	1 11/16	9/32	45
T- 924	1 1/4	1 9/16	7/32	45	T- 964	1 5/16	1 9/16	7/32	45/R
T- 925	1 5/16	1 11/16	5/16	45	T- 965	1 3/8	1.669	.272	38
T- 926	1 1/4	1.690	3/8	---	T- 966	1 3/8	1 3/4	7/32	45
T- 927	1 19/64	1.516	1/4	45	T- 967	1 3/8	1 3/4	1/4	30
T- 928	1 5/16	1 9/16	7/32	30	T- 968	1 3/8	1 3/4	1/4	45
T- 929	1 5/16	1 9/16	7/32	45	T- 969	1 3/8	1 3/4	9/32	45
T- 930	1 5/16	1.574	7/32	45	T- 970	1 3/8	1 5/8	3/8	45
T- 931	1 5/16	1.578	1/4	45	T- 971	1 3/8	1 45/64	7/32	45
T- 932	1 5/16	1 37/64	1/4	45	T- 972	1.460	1.760	.250	45
T- 933	1 5/16	1.589	1/4	45	T- 973	1.375	1.760	.250	---
T- 934	1 5/16	1 5/8	7/32	45	T- 974	1 5/16	1.569	9/32	45
T- 935	1 5/16	1 5/8	1/4	45	T- 975	1 13/32	1.690	15/64	45
T- 936	1 5/16	1 5/8	9/32	45	T- 976	1 13/32	1 11/16	1/4	45
T- 937	1 5/16	1 11/16	7/32	45	T- 977	1 3/8	1.695	.272	38
T- 938	1 5/16	1 11/16	1/4	45	T- 978	1.255	1 5/8	5/8	45
T- 939	1 5/16	1 9/16	1/4	45	T- 979	1 5/16	1.569	.335	45/R
T- 940	1 11/32	1.590	13/64	45	T- 980	1 7/16	1.636	13/64	45
T- 941	1 11/32	1.590	17/64	45	T- 981	1 7/16	1 11/16	7/32	45
T- 942	1 11/32	1.596	1/4	45	T- 982	1 7/16	1 11/16	1/4	45
T- 943	1 11/32	1 5/8	7/32	45	T- 983	1 7/16	1 3/4	7/32	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 984	1 7/16	1 3/4	1/4	45	T- 1026	1.460	1 3/4	.275	45/R
T- 985	1 1/2	1.758	.270	45	T- 1027	1.290	1 9/16	.324	45/R
T- 986	1 1/2	1 3/4	7/32	45	T- 1028	1 3/8	1.671	.311	45
T- 987	1 1/2	1 3/4	1/4	45	T- 1029	1 3/8	1.551	23/64	45
T- 988	1 3/8	1.650	9/32	45/R	T- 1030	1 3/8	1.760	1/4	45
T- 989	1 5/16	1.539	.315	45	T- 1031	1.804	2.160	.410	45/R
T- 990	1 5/16	1 9/16	1/4	45/R	T- 1032	2 7/8	3.503	.485	45
T- 991	1 3/8	1.738	15/64	45/R	T- 1033	1.800	2.087	3/8	45/R
T- 992	1 3/8	1.654	9/32	45/R	T- 1034	1.405	1.657	3/8	45/R
T- 993	1 3/8	1 21/32	9/32	45/R	T- 1035	1.755	2.087	.375	45/R
T- 994	1 3/8	1.695	1/4	45	T- 1036	1.460	1 3/4	.423	45/R
T- 996	1 1/2	1 23/32	3/16	45	T- 1037	1 1/4	1 5/8	.450	45
T- 997	1 11/32	1 5/8	3/16	45	T- 1038	1 7/16	1 11/16	.213	45/R
T- 998	1 3/8	1.738	5/16	45/R	T- 1039	1 5/16	1 11/16	3/8	45
T- 999	1 11/32	1 11/16	3/16	45	T- 1040	1 7/16	1 5/8	17/64	45
T- 1000	1 1/2	1 11/16	1/4	45	T- 1041	2.850	3.502	7/16	15
T- 1001	2 7/8	3.438	7/8	45	T- 1042	1.457	1 15/16	.197	45
T- 1002	2 57/64	3 1/2	9/16	45/R	T- 1043	1.339	1 7/8	.276	45
T- 1003	2 7/8	3 7/16	7/8	45	T- 1044	1.418	1.752	.315	45
T- 1004	2 7/8	3 1/2	9/16	45	T- 1045	1 3/8	1.632	5/16	45/R
T- 1005	2 7/8	3 1/2	7/8	45	T- 1046	1.458	1 3/4	11/32	45/R
T- 1006	2.850	3 1/2	9/16	45	T- 1047	1 5/16	1 5/8	.276	45/R
T- 1007	1 1/4	1 9/16	3/8		T- 1048	1 3/8	1 11/16	9/32	45/R
T- 1008	3 1/16	3 5/8	5/8	45	T- 1049	1 1/4	2.128	9/16	30
T- 1009	3	3 5/8	15/16	45	T- 1050	1 7/16	1 11/16	1/4	---
T- 1011	1 3/8	1.695	.272	45	T- 1051	1 7/16	1 5/8	1/4	45
T- 1012	3 1/16	3 5/8	1	45	T- 1052	1 3/8	1 11/16	.270	38
T- 1013	1 5/16	1.569	.345	45	T- 1053	1 1/4	1 9/16	11/32	
T- 1014	1 5/16	1.578	3/8	45	T- 1054	1 1/4	1.653	3/8	
T- 1015	3	3.702	11/16	45	T- 1055	1 1/4	1 7/16	1/4	30
T- 1016	1 3/8	1 19/32	13/32	45	T- 1056	1.260	1 5/8	.292	45
T- 1017	1 1/2	1.745	5/16	30	T- 1057	1 1/2	1 3/4	3/16	
T- 1018	1 3/8	1.617	5/16	45	T- 1058	1 7/16	1 5/8	3/16	45
T- 1019	1.457	1 3/4	.295	---	T- 1059	1 1/4	1 5/8	3/8	
T- 1020	3	3 9/16	9/16	45	T- 1060	1.457	1.732	.365	45/R
T- 1021	1 1/2	1 3/4	1/4	---	T- 1061	1 3/8	1.700	.284	
T- 1022	1 1/4	1 9/16	9/32	30/R	T- 1062	1 1/4	1 5/8	5/16	45PA
T- 1023	1.255	1 1/2	.318	45	T- 1063	1.378	1.708	.284	
T- 1024	3	3.696	9/16	45	T- 1064	1 1/4	1 1/2	3/8	
T- 1025	2 7/8	3.507	1/2	45	T- 1065	1 3/8	1 5/8	3/16	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1066	1 3/8	2.0085	.472		T- 1121	3	3 5/8	1/2	45
T- 1067	1.460	1.725	1/4	---	T- 1122	3	3 5/8	11/32	45
T- 1068	1 7/16	1 3/4	1/4	38	T- 1123	3 1/4	3 11/16	5/16	45
T- 1069	1.255	1.6305	.625	45	T- 1124	3 5/16	3 11/16	3/8	45
T- 1070	1 1/4	1 1/2	.296	45	T- 1125	3 5/16	3 11/16	5/16	45
T- 1071	1 1/2	1 3/4	1/4	30	T- 1126	3	3 9/16	.362	30
T- 1072	1 1/4	2.1275	9/16	20	T- 1127	3 1/32	3 11/16	7/16	30
T- 1073	1 1/4	2.1295	9/16	20	T- 1128	3.150	3.826	.680	20/R
T- 1074	1 1/4	1 33/64	1/4	45	T- 1129	3.150	3.826	.680	20/G
T- 1075	1 1/4	1 1/2	.230		T- 1130	3 1/4	3 25/32	11/32	30
T- 1076	1.535	1.819	.293	45	T- 1131	3	3 3/4	3/8	45
T- 1077	1 1/4	1 1/2	9/32	45	T- 1132	1.339	1.732	.374	45
T- 1078	1 7/16	1 11/16	1/4	30	T- 1133	3.150	3.826	.720	20/R
T- 1080	1 3/8	2.007	.453		T- 1135	3	3.590	7/16	45
T- 1083	1.725	2.087	.375	45/R	T- 1137	3.150	3.826	.665	20/R
T- 1084	1.280	1.657	.375	45/R	T- 1138	3	3.567	.361	45/R
T- 1086	1 1/4	1 5/8	.293	45/R	T- 1140	1 3/4	2.047	.343	45
T- 1089	1 1/2	1 3/4	.209	45	T- 1141	1.830	2.165	.343	45
T- 1090	1 13/32	1.711	3/8	45/R	T- 1142	1.790	2.1705	.345	20/R
T- 1100	1.398	1.811	.394	45	T- 1144	1 3/4	2.1695	.325	20
T- 1101	3	3 1/2	3/8	45	T- 1145	3	3 9/16	7/16	45/R
T- 1102	3	3 1/2	7/16	45	T- 1146	1 3/4	2.169	.332	20
T- 1103	3	3 9/16	9/32	30	T- 1147	1 3/4	2 3/16	.332	20
T- 1104	3	3 9/16	.350	---	T- 1148	1.750	2.169	.385	20
T- 1105	3	3 9/16	7/16	45	T- 1150	1.437	1.850	.394	45
T- 1106	3	3 5/8	3/8	45	T- 1151	1.437	1.855	.394	45
T- 1107	3 1/16	3 1/2	3/8	45	T- 1153	1 15/16	2.3815	.323	---
T- 1108	3 1/8	3 9/16	7/16	45	T- 1154	1 15/16	2 3/8	.323	30
T- 1109	3 1/8	3 9/16	1/2	45	T- 1155	1.720	1.9795	.423	45
T- 1110	3 1/8	3 19/32	15/32	45	T- 1156	1.437	1.885	.313	45
T- 1111	3 1/8	3 11/16	7/16	45	T- 1157	1.600	1.887	.438	45
T- 1112	3 1/8	3 3/4	7/16	45	T- 1171	1.357	1.722	.265	45/R
T- 1113	3 1/8	3 3/4	1/2	30	T- 1172	1.358	1.772	.394	45
T- 1114	3 7/32	3 3/4	3/8	30	T- 1173	1 11/32	1.722	.265	---
T- 1115	3 1/4	3 13/16	9/32	30	T- 1174	1 3/8	1.722	.265	20/R
T- 1116	3 1/4	3 13/16	5/16	30	T- 1186	2 7/16	3.0025	.555	20
T- 1117	3 1/4	3 13/16	3/8	30	T- 1187	2 7/16	3.1275	.555	20
T- 1118	3 1/4	3 7/8	5/16	30	T- 1188	2 7/16	3	.525	20
T- 1119	3 1/16	3 9/16	7/16	45	T- 1189	2 7/16	3 1/8	.525	20
T- 1120	3	3 3/4	1/2	45	T- 1190	2 7/16	3 1/8	.535	20

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1191	2 7/16	3	.535	20	T- 1235	2 37/64	3 1/8	.610	30
T- 1192	2 7/16	3	.535	30	T- 1242	2 5/8	3 1/8	.710	---
T- 1193	2 7/16	3 1/8	.535	30	T- 1243	2 5/8	3 1/8	5/8	45
T- 1194	2 7/16	3	.525	30	T- 1244	2 7/16	3 1/8	.555	20
T- 1195	2 7/16	3 1/8	.525	30	T- 1245	2 7/16	3	1/2	30
T- 1196	2 7/16	3.0025	.555	30	T- 1246	2 7/16	3 1/8	.540	30
T- 1197	2 7/16	3.1275	.555	30	T- 1248	2 7/16	3 1/8	.555	30
T- 1198	2 1/2	3.0025	.555	30	T- 1250	2 1/2	3 1/8	.610	30
T- 1199	2 1/2	3.1275	.555	30	T- 1254	1.732	2.165	.433	45
T- 1200	1 3/8	1.669	3/8	38	T- 1255	2 21/32	3 3/16	9/16	45
T- 1201	1 3/8	1.669	5/16	38	T- 1256	2 21/32	3 3/16	9/16	30
T- 1202	1 3/8	1.681	5/16	38	T- 1265	2 21/32	3.213	.565	30
T- 1203	1 3/8	1.695	5/16	38	T- 1301	2 1/16	2 3/8	1/4	45
T- 1204	2 1/2	3 1/4	1/2	45	T- 1302	2 1/16	2 3/8	5/16	45
T- 1205	2 1/2	3 1/4	9/16	45	T- 1303	2 1/16	2 7/16	5/16	30
T- 1206	2 1/2	3 1/8	9/16	30	T- 1304	2 1/16	2 7/16	.300	30
T- 1207	2 1/2	3 3/16	1/2	45	T- 1305	2 1/16	2 1/2	1/4	45
T- 1208	2 9/16	3 3/16	9/16	45	T- 1306	2 1/16	2 1/2	9/32	45
T- 1209	2 5/8	3 3/16	9/16	45	T- 1307	2 1/16	2 1/2	3/8	45
T- 1210	2 21/32	3.184	.535	45	T- 1308	2 1/16	2 17/32	3/8	45
T- 1211	2 11/16	3 1/8	1/2	45	T- 1309	2 1/32	2 7/16	5/16	30
T- 1212	2 3/4	3 1/8	9/16	45	T- 1310	2 1/16	2 5/8	5/16	45
T- 1213	2 3/4	3 5/16	9/16	45	T- 1311	2 1/32	2 1/2	5/16	30
T- 1214	2 1/2	3 1/8	1/2	45	T- 1312	2 1/16	2 5/8	3/8	45
T- 1215	2 5/8	3 1/4	9/16	45	T- 1313	2 1/16	2 9/16	5/16	30/R
T- 1216	2 21/32	3.210	17/32	45	T- 1314	2 3/32	2 5/8	3/8	---
T- 1217	2 11/16	3 1/8	5/8	30	T- 1315	2 1/8	2 7/16	5/16	45
T- 1219	2 3/4	3 1/4	5/8	45	T- 1316	2 1/8	2 5/8	5/16	45
T- 1220	2 3/4	3 1/8	5/8	45	T- 1317	2 1/8	2 5/8	3/8	45
T- 1221	2 3/4	3 3/16	5/8	45	T- 1318	2 1/8	2 1/2	1/4	30
T- 1222	2 21/32	3.185	.595	45	T- 1319	2 1/8	2 1/2	1/4	45
T- 1223	2 17/32	3 1/8	9/16	45/R	T- 1320	2 1/8	2 1/2	5/16	45
T- 1224	2 9/16	3 1/8	5/8	30	T- 1321	2 1/8	2 7/16	3/16	45
T- 1225	2 9/16	3 1/8	21/64	30	T- 1322	2 1/8	2 9/16	1/4	30
T- 1226	2 1/2	3.0655	5/8	45	T- 1323	2 1/8	2 9/16	5/16	45
T- 1230	2 37/64	3 1/8	.610	45	T- 1324	2 1/16	2.570	.620	---
T- 1231	2 5/8	3 1/8	.610	30	T- 1325	2 5/32	2 1/2	1/4	45
T- 1232	2 5/8	3 1/8	.610	45	T- 1326	2 1/16	2.600	.620	---
T- 1233	2 21/32	3 1/8	.610	45	T- 1327	2 5/32	2 17/32	3/8	45
T- 1234	2 37/64	3 1/8	.575	45	T- 1328	2 5/32	2 1/2	1/2	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1329	2 5/32	2 9/16	3/8	45	T- 1411	3 9/16	4 7/16	1/2	---
T- 1330	2 5/32	2 5/8	3/8	45	T- 1413	3 1/2	4	1/2	30
T- 1331	2 11/64	2.688	5/16	30	T- 1491	1 11/32	1.6955	1/4	
T- 1332	2 11/64	2.688	3/8	30	T- 1500	1 1/4	1.509	7/32	45
T- 1333	2 11/64	2 1/2	1/4	30	T- 1501	1 5/8	2 3/8	5/8	45
T- 1334	2 3/16	2 1/2	3/8	30	T- 1502	1 5/8	2 1/4	5/8	45
T- 1335	2 3/16	2 1/2	5/16	45	T- 1503	1 1/2	2 1/8	9/16	30
T- 1336	2 3/16	2 9/16	5/16	30	T- 1504	1 1/2	1.802	7/32	45/R
T- 1337	2 3/16	2 5/8	5/16	45	T- 1505	2	2.469	.300	30
T- 1338	2 1/16	2 1/2	5/16	45	T- 1506	1 13/16	2 3/16	7/32	45
T- 1339	2 3/16	2 9/16	1/4	30	T- 1507	1 5/8	1 15/16	.238	45/R
T- 1340	2 3/16	2 35/64	3/8	30	T- 1508	2 1/32	2 9/32	.238	45/R
T- 1341	2 3/16	2 9/16	3/8	45	T- 1509	1 21/64	1.631	5/16	45
T- 1342	2 3/16	2 5/8	3/8	45	T- 1510	1.030	1.300	.250	45
T- 1343	2 1/16	2 1/2	.300	30	T- 1511	1.432	1.832	.377	45
T- 1344	2 11/64	2 7/16	1/4	30	T- 1512	1 5/16	1 5/8	.395	45
T- 1345	2 1/4	2 1/2	1/4	45	T- 1513	1 1/2	1 3/4	7/32	45/R
T- 1346	2 1/16	2 1/2	.382	-/R	T- 1514	1 5/16	1.701	5/16	30
T- 1347	2.165	2 1/2	.433	45	T- 1515	1 1/2	1.796	.267	---
T- 1348	2 1/4	2 5/8	1/4	30	T- 1516	1 1/2	1.758	5/16	---
T- 1349	2 1/4	2 5/8	1/4	45	T- 1517	1 1/2	1 11/16	5/16	45
T- 1350	2 1/4	2 5/8	5/16	45	T- 1518	2 1/32	2 1/4	3/16	45
T- 1351	2 1/4	2 5/8	3/8	45	T- 1519	1 1/2	1 11/16	7/32	45
T- 1352	2.050	2.318	9/32	45	T- 1520	1 45/64	2 3/64	.300	45/R
T- 1353	2 1/4	2 11/16	5/16	45	T- 1521	1 5/16	1.726	3/8	45/R
T- 1354	2.050	2.318	.234	---	T- 1522	1.432	1.831	.380	
T- 1360	2 15/64	2.459	.385	30	T- 1523	1.697	2 1/8	.393	45/R
T- 1361	2 1/16	2 3/4	11/32	45	T- 1525	1 1/2	1 3/4	5/16	45
T- 1362	2 1/16	2 11/16	3/8	45	T- 1527	1 17/32	1 3/4	5/16	45
T- 1400	3 1/2	4	29/64	20	T- 1528	1 5/8	1.974	.300	45/R
T- 1401	3 5/8	4 1/4	3/8	30	T- 1529	1.275	1 5/8	.315	45/R
T- 1402	3 5/8	4 5/16	3/8	30	T- 1530	1 3/8	1 5/8	5/16	45
T- 1403	3 5/8	4 3/8	1/2	45	T- 1531	1.378	1.651	.315	45
T- 1404	3 1/2	4	29/64	30	T- 1532	1.275	1 9/16	.258	45/R
T- 1405	3 5/8	4 3/16	1/2	45	T- 1533	1 3/8	1 7/8	5/16	30
T- 1406	4 1/2	5 1/4	.475	30	T- 1534	1.268	1.599	5/16	45
T- 1407	3 1/2	4.006	7/16	20/R	T- 1535	1 11/16	1.903	.300	45
T- 1408	4 1/2	5 1/4	9/16	45	T- 1536	1 11/16	1 7/8	1/4	45
T- 1409	4 1/2	5 1/4	9/16	30	T- 1537	1 11/16	1 7/8	5/16	45
T- 1410	3 1/2	4.003	.490	30	T- 1538	1 11/16	1.994	.300	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1539	1 1/2	1 13/16	.265	30	T- 1600	1 1/2	2	1/4	45/R
T- 1540	2	2 1/4	7/32	45	T- 1601	1 7/16	1 13/16	7/32	30
T- 1541	1 7/8	2 1/4	.352	45	T- 1602	1 7/16	1 13/16	1/4	45
T- 1542	2	2.370	.352	30	T- 1603	1 7/16	1.875	1/4	45/R
T- 1543	1.969	2.414	.394	45	T- 1604	1 7/16	1 7/8	1/4	45
T- 1544	1.969	2.422	.394	45	T- 1605	1 7/16	1.899	9/32	45
T- 1545	1.595	2.135	7/32	45	T- 1606	1 15/32	1.715	13/64	45
T- 1547	1 3/8	1.7545	7/16	45	T- 1607	1 15/32	1 23/32	7/32	45
T- 1548	1 11/16	1 15/16	5/16	45	T- 1608	1 15/32	1 13/16	1/4	45
T- 1550	2.000	2.450	.375		T- 1609	1 1/2	1 13/16	7/32	45
T- 1551	2.040	2.450	3/8	45	T- 1610	1 1/2	1 13/16	1/4	45
T- 1555	1.487	1.802	.310	45	T- 1611	1 1/2	1 7/8	3/16	45
T- 1560	1 5/8	1 7/8	5/32	45	T- 1612	1 1/2	1 7/8	7/32	45
T- 1561	1 5/8	1 7/8	3/16	30	T- 1613	1 1/2	1 7/8	1/4	45
T- 1562	1.220	1.579	.344	45/R	T- 1614	1 17/32	1 15/16	1/4	45
T- 1563	1 3/16	1.480	19/64	-/R	T- 1615	1 1/2	1 15/16	1/4	45
T- 1564	1 3/16	1.460	19/64	45	T- 1616	1 9/16	1 13/16	7/32	45
T- 1565	1 1/16	1.362	21/64	45	T- 1617	1 9/16	1 13/16	1/4	45
T- 1566	1 3/16	1.479	5/16	45/R	T- 1618	1 9/16	1 27/32	5/32	30
T- 1567	1 1/16	1.352	21/64	45/R	T- 1619	1 9/16	1 27/32	9/32	30
T- 1568	1 3/32	1 7/16	1/4	45	T- 1620	1 9/16	1 7/8	1/4	45
T- 1569	1 3/16	1.469	5/16	45/R	T- 1621	1 9/16	1 15/16	1/4	45
T- 1570	1 19/32	2.020	9/32	45	T- 1622	1 9/16	1 7/8	9/32	45
T- 1571	1 3/16	1 7/16	11/32	45/R	T- 1623	1 7/16	1 11/16	5/32	45
T- 1572	1 3/16	1 7/16	3/8		T- 1624	1 19/32	1 7/8	1/4	45
T- 1573	1.970	2.387	.382	30	T- 1625	1 5/8	1 13/16	7/32	45
T- 1576	1.655	1.960	.365	45	T- 1626	1 5/8	1 7/8	7/32	45
T- 1577	1 3/8	1.771	.270	45	T- 1627	1 5/8	1 7/8	1/4	45
T- 1578	1 1/8	1 9/16	3/8	45	T- 1628	1 7/16	1 11/16	3/16	45
T- 1580	1 31/64	1 11/16	1/4	30	T- 1629	1 5/8	1 7/8	7/32	45/R
T- 1581	1 31/64	1.667	5/16	45	T- 1630	1 5/8	1 15/16	1/4	45
T- 1582	1.476	1.781	.311	45	T- 1631	1 7/16	1 3/4	3/16	45/R
T- 1583	1.481	1 15/16	.176	30	T- 1632	1 7/16	1 3/4	3/16	45
T- 1584	1.469	2 1/8	.297	45	T- 1633	1 11/16	1 15/16	1/4	45
T- 1585	1.475	1.930	3/16	---	T- 1634	1 7/16	1 13/16	7/32	45/R
T- 1586	1.475	1.697	.303	45	T- 1635	1 1/2	1 13/16	7/32	45/R
T- 1587	1 1/2	1 13/16	.200	30	T- 1636	1 9/16	1.976	17/64	45
T- 1588	1 3/8	1.8195	7/16		T- 1637	1 9/16	1 7/8	7/32	30
T- 1596	1.480	1.850	3/8		T- 1638	1 9/16	1 57/64	7/32	30
T- 1599	1 9/16	1 13/16	3/16	45	T- 1639	1 11/16	1 7/8	7/32	30

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1640	1 19/32	1 7/8	3/16		T- 1682	1 1/2	1.930	.276	45
T- 1641	1 1/2	1 7/8	1/4	45/R	T- 1683	1.654	2.107	.256	45
T- 1642	1 21/32	2.084	9/32	30/R	T- 1684	1.654	2 3/16	.256	45
T- 1643	1 9/16	1 13/16	5/16	45	T- 1685	1 3/16	1 7/16	1/4	45/R
T- 1644	1 7/16	1 3/4	.302	45/R	T- 1686	1 39/64	1 15/16	.330	45/R
T- 1645	1.595	1 13/16	1/4	45	T- 1687	1.590	1.947	7/16	45
T- 1646	1 17/32	1 3/4	7/32	45	T- 1688	1 1/4	1 7/16	3/16	45
T- 1647	1 5/8	1 7/8	5/16	45	T- 1689	1 9/16	1.833	9/32	30
T- 1649	1 3/4	1 15/16	7/32	45	T- 1690	1 7/16	1 3/4	1/4	45/R
T- 1650	1 39/64	1 7/8	1/4	45	T- 1691	1 7/16	1.880	13/32	45
T- 1651	1.370	1.660	.340	45	T- 1692	1.508	1 7/8	.296	45
T- 1652	1 41/64	1 7/8	1/4	45	T- 1693	1.595	2	.335	45
T- 1653	1 9/16	1.956	.230	30/R	T- 1694	1 9/16	1 7/8	3/16	
T- 1654	1 7/16	1 11/16	.181	30	T- 1695	1 11/32	1 17/32	7/32	45
T- 1655	1 41/64	2.003	5/16	30	T- 1696	1 9/16	1.9565	5/16	30
T- 1657	1 3/16	1 7/16	5/16	45	T- 1697	1.650	1.902	1/4	
T- 1658	1 19/32	1 13/16	7/32	45	T- 1698	1.650	1.902	.300	
T- 1659	1 11/16	1 7/8	3/16	45	T- 1699	1 3/8	1 11/16	21/64	45
T- 1660	1.450	1.816	5/16	45	T- 1700	1 1/2	1.853	.273	30/R
T- 1661	1 9/16	1 15/16	13/64	30	T- 1701	1 1/2	2.131	1/2	15
T- 1662	1.460	1.775	.300	45/R	T- 1702	1 5/8	1.938	1/2	45
T- 1663	1 9/16	1 13/16	1/4	---	T- 1703	1 5/8	1 15/16	3/8	45
T- 1664	1.657	1.972	.300	45/R	T- 1704	1 5/8	1 15/16	7/16	45
T- 1665	1.735	2 1/4	3/8	-/R	T- 1705	1 5/8	2	.475	45/C
T- 1666	1.652	2 1/8	11/32	-/R	T- 1706	1 9/16	1.9565	5/16	
T- 1667	1 39/64	1 7/8	9/32	-/R	T- 1707	1.845	2.300	3/8	
T- 1668	1.650	1 15/16	5/16	45/R	T- 1708	1 13/32	1 11/16	5/16	45
T- 1669	1 39/64	1 7/8	9/32	45	T- 1709	1 13/32	1 11/16	13/32	45
T- 1670	1.640	1 7/8	9/32	45	T- 1710	1 5/8	2 1/8	1/4	45
T- 1671	1 9/16	1 15/16	7/16	30/R	T- 1711	1 5/8	2	23/64	30
T- 1672	1 9/16	1 15/16	29/64	30/R	T- 1712	1 5/8	2	3/8	45
T- 1673	1 9/16	1 27/32	1/4	30	T- 1713	1 5/8	2.018	29/64	45
T- 1674	1 11/16	1 15/16	7/32	45	T- 1714	1 5/8	2 1/16	7/16	45
T- 1675	1.673	2 1/8	.433	45	T- 1715	1 5/8	2 1/8	9/32	45
T- 1676	1.615	1 15/16	.315	45/R	T- 1716	1 5/8	2 1/4	3/8	45
T- 1677	1.674	1 15/16	.276	45/R	T- 1717	1 43/64	2 5/64	.276	30/R
T- 1678	1.650	1.900	.300	45	T- 1718	1 9/16	1 7/8	7/16	30/R
T- 1679	1.590	1.942	.367	45	T- 1719	1 5/8	2 1/8	5/16	30/R
T- 1680	1.614	2 1/8	.197	45	T- 1720	1 43/64	2 1/8	.276	30/R
T- 1681	1.614	2.048	.197	45	T- 1721	1 11/16	2	7/16	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1722	1 11/16	2	7/16	30/R	T- 1762	1 15/16	2 5/16	9/32	45
T- 1723	1 5/8	2	.368	45/R	T- 1763	1 15/16	2 3/8	9/32	45
T- 1724	1 5/8	2.070	.620	---	T- 1764	1 15/16	2 3/8	5/16	45
T- 1725	1 5/8	2.100	.620	---	T- 1765	1 9/16	1 7/8	7/16	45
T- 1726	1 11/16	2 1/8	9/32	45	T- 1766	1 13/16	2 1/16	7/16	45
T- 1727	1 11/16	2 1/8	3/8	45	T- 1767	1 7/8	2 1/4	5/16	45
T- 1728	1 11/16	2 1/8	7/16	30/R	T- 1768	1 15/16	2.206	15/64	45
T- 1729	1 11/16	2 9/64	15/32	---	T- 1769	1 7/8	2 1/8	3/16	45
T- 1730	1 11/16	2 5/32	29/64	30	T- 1770	1 3/4	2 1/8	7/16	45
T- 1731	1 11/16	2 3/16	1/4	30	T- 1771	1 15/16	2.256	3/16	15
T- 1732	1 11/16	2 1/4	1/4	30	T- 1772	1 5/8	2.006	.301	45
T- 1733	1 23/32	2 13/64	7/16	45	T- 1773	1 15/16	2 1/4	7/32	45/R
T- 1734	1 3/4	2.164	29/64	30	T- 1774	1 13/16	2 1/16	7/16	-/R
T- 1735	1 3/4	2 3/16	7/16	45	T- 1775	1 3/4	2.044	7/16	45/R
T- 1736	1 3/4	2 1/4	7/32	45	T- 1776	1 9/16	1.855	7/16	45/R
T- 1737	1 3/4	2 1/4	9/32	45	T- 1777	1 7/8	2 3/8	3/8	45
T- 1738	1 3/4	2 1/4	3/8	45	T- 1778	1 17/32	2 1/8	9/16	30
T- 1739	1 3/4	2 1/4	3/8	45/R	T- 1779	1 7/8	2 5/16	1/4	45
T- 1740	1 3/4	2 1/4	7/16	45	T- 1780	1 61/64	2 1/4	1/4	45
T- 1741	1 1/2	2.011	5/16	45	T- 1781	1 21/32	1 15/16	1/4	45
T- 1742	1 3/4	2 1/16	7/16	45	T- 1782	1 15/16	2 5/16	5/16	---
T- 1743	1 3/4	2	7/16	45	T- 1783	1 15/16	2 5/16	1/4	---
T- 1744	1 3/4	2 5/16	1/4	30	T- 1784	1 13/16	2 1/8	5/16	45
T- 1745	1 25/32	2 1/4	1/4	45	T- 1785	1 1/4	1 1/2	5/16	---
T- 1746	1 25/32	2 3/8	11/32	30	T- 1786	1 17/32	2 1/8	9/16	20
T- 1747	1 13/16	2 1/8	7/16	45	T- 1787	1 17/32	2 1/8	9/16	15
T- 1748	1 13/16	2 3/16	1/2	45	T- 1788	1 7/8	2.368	3/8	20
T- 1749	1 13/16	2 1/4	1/4	45	T- 1789	1 7/8	2 3/16	3/8	45
T- 1750	1 13/16	2 1/4	9/32	45	T- 1790	1 15/16	2 1/8	3/16	45
T- 1751	1 13/16	2 1/4	7/16	45	T- 1791	1 15/16	2 1/8	.230	30
T- 1752	1 7/8	2 3/16	7/16	30/R	T- 1792	1 7/8	2.1985	3/8	45
T- 1753	1 7/8	2 1/4	1/4	45	T- 1793	1.949	2 7/16	.433	45
T- 1754	1 7/8	2 1/4	9/32	30	T- 1794	1 3/4	2 3/16	1/4	30
T- 1755	1 7/8	2 1/4	9/32	45	T- 1795	1.930	2.323	.394	45
T- 1756	1 7/8	2 1/4	3/8	45	T- 1796	1.930	2.304	.394	45
T- 1757	1 7/8	2 5/16	7/16	30/R	T- 1797	1.930	2.296	.394	45
T- 1758	1 15/16	2 3/16	7/16	30	T- 1798	1 3/4	2 1/8	.260	30
T- 1759	1 15/16	2 1/4	3/16	45	T- 1800	1 3/8	1 5/8	3/8	30/R
T- 1760	1 15/16	2 1/4	1/4	45	T- 1801	1 3/8	1 11/16	3/8	45
T- 1761	1 15/16	2 1/4	9/32	45	T- 1802	1 3/8	1 9/16	5/16	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1803	1 3/8	1 3/4	5/16	45	T- 1843	1 7/16	1 25/32	29/64	45
T- 1804	1 3/8	1 3/4	23/64	45	T- 1844	1 7/16	1 13/16	7/16	45
T- 1805	1 3/8	1 3/4	3/8	45	T- 1845	1 9/16	1 13/16	3/8	30/R
T- 1806	1 3/8	1 21/32	3/8	30/R	T- 1846	1 7/16	1 11/16	3/8	30/R
T- 1807	1 3/8	1 53/64	3/8	30/R	T- 1847	1 7/16	1 15/16	29/64	45
T- 1808	1 3/8	1.670	3/8	45/R	T- 1848	1 13/32	1.916	29/64	45
T- 1809	1 1/2	1 13/16	5/16	45	T- 1849	1 1/2	1 15/16	3/8	45
T- 1810	1 1/2	1 13/16	3/8	45	T- 1850	1 9/16	1 15/16	3/8	45
T- 1811	1 1/2	1 7/8	5/16	45	T- 1851	1.444	1.746	5/16	45
T- 1812	1 1/2	1 7/8	23/64	45	T- 1852	1 1/4	1 5/8	11/32	30
T- 1813	1 1/2	1 13/16	11/32	45	T- 1853	1 3/16	1 5/8	3/8	45
T- 1814	1 1/2	1 57/64	3/8	45	T- 1854	1 7/16	1 13/16	5/16	45
T- 1815	1 1/2	1 7/8	3/8	45	T- 1855	1 15/32	1 53/64	3/8	45
T- 1816	1 1/2	1 7/8	.413	45	T- 1856	1 11/32	1 11/16	3/8	45
T- 1817	1 1/2	1.795	3/8	30/R	T- 1857	1 1/2	1 13/16	.406	45
T- 1818	1 7/16	1 13/16	3/8	45	T- 1858	1 3/8	1 3/4	3/16	45
T- 1819	1 7/16	1 51/64	11/32	45	T- 1859	1 3/8	1 11/16	.400	45
T- 1820	1 9/16	1 7/8	3/8	45	T- 1860	1 1/2	1 13/16	3/8	30/R
T- 1821	1 11/32	1 5/8	5/16	45	T- 1861	1 3/8	1 11/16	3/8	30/R
T- 1822	1 3/8	1 11/16	5/16	45	T- 1862	1 3/8	1 11/16	7/16	45
T- 1823	1 3/8	1 23/32	5/16	45	T- 1863	1 3/8	1.657	.394	45
T- 1824	1 7/16	1 3/4	5/16	45	T- 1864	1.446	1.678	5/16	45
T- 1825	1 7/16	1 3/4	5/16	30	T- 1865	1 7/16	1 11/16	3/8	45
T- 1826	1 3/8	1 13/16	7/32	45	T- 1866	1 9/16	1 13/16	3/8	30
T- 1827	1 3/8	1 13/16	1/4	45	T- 1867	1 13/32	1 5/8	13/32	45
T- 1828	1 3/8	1 13/16	9/32	45	T- 1868	1 13/32	1 11/16	9/32	30
T- 1829	1 3/8	1 13/16	5/16	45	T- 1869	1.333	1.755	3/8	45
T- 1830	1 3/8	1 13/16	3/8	45	T- 1870	1 7/32	1 7/16	11/32	45
T- 1831	1 3/8	1.725	29/64	45	T- 1871	1 1/4	1 1/2	11/32	45
T- 1832	1 3/8	1 7/8	7/32	30	T- 1872	1 9/16	1 7/8	5/16	45/R
T- 1833	1 11/32	1.640	5/16	45	T- 1873	1 3/8	1 11/16	5/16	45/R
T- 1834	1 3/8	1 13/16	1/4	30	T- 1874	1 5/16	1 3/4	5/16	45
T- 1835	1 7/16	1 11/16	5/16	45	T- 1876	1 1/8	1 5/16	3/16	45
T- 1836	1 3/8	1 7/8	1/4	45	T- 1877	1 7/16	1.645	9/32	30
T- 1837	1 3/8	1.793	1/4	45	T- 1878	1 7/32	1 7/16	11/32	30/R
T- 1838	1 3/8	1.821	5/16	45	T- 1879	1 1/4	1 1/2	11/32	30/R
T- 1839	1 15/32	1 13/16	3/8	45	T- 1880	1 3/8	1 5/8	13/32	45
T- 1840	1.333	1.626	3/8	45	T- 1881	1 9/16	1.813	.365	30/R
T- 1841	1 11/32	1 11/16	.271	30/R	T- 1882	1 7/16	1.688	.365	30/R
T- 1842	1 11/32	1 11/16	5/16	45	T- 1883	1 1/4	1.497	13/32	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1884	1 3/8	1 5/8	1/4	45/R	T- 1927	1 5/8	2.055	5/16	45
T- 1886	1 13/32	1.650	9/32	30	T- 1928	1 5/8	1.883	9/32	45
T- 1887	1 11/32	1 5/8	.365	45/R	T- 1929	1 1/4	1 5/8	3/8	45/C
T- 1889	1 3/8	1.719	.206	45	T- 1930	1 5/8	2 1/16	1/4	45
T- 1890	1 9/16	1.805	5/16	45	T- 1931	1 5/8	2 1/16	9/32	45
T- 1891	1.890	2 1/4	.210	---	T- 1932	1 5/8	2 1/16	5/16	45
T- 1892	1 23/32	2	.386	30/R	T- 1933	1 19/32	2	9/32	45
T- 1893	1 23/32	2.001	.386	30/R	T- 1934	1 1/4	1.690	3/8	45/C
T- 1894	1.343	1.6285	.365	45/R	T- 1935	1 11/16	1 15/16	9/32	45
T- 1895	1 1/2	1 13/16	3/16	---	T- 1936	1 45/64	1 7/8	1/4	45
T- 1896	1 25/64	1.628	.209	45	T- 1938	1 11/16	2 1/16	21/64	45
T- 1897	1 17/32	1.815	.365	30/R	T- 1939	1 11/16	2	21/64	45
T- 1898	1 7/16	1.689	.365	30/R	T- 1940	1 11/16	2	1/4	
T- 1899	1 23/64	1.703	5/16	---	T- 1941	1 11/16	2	9/32	45
T- 1900	1 15/32	1 11/16	1/4	45	T- 1942	1 11/16	2	7/32	45
T- 1901	1 9/16	1 7/8	5/16	45	T- 1943	1 21/32	2	11/32	45
T- 1902	1 9/16	2 1/16	1/4	45	T- 1944	1 11/16	2.015	21/64	45
T- 1903	1 9/16	1 15/16	5/16	45	T- 1945	1 11/16	2 1/16	1/4	45
T- 1904	1 9/16	1 29/32	9/32	30	T- 1946	1 11/16	2 1/16	9/32	45
T- 1905	1 9/16	2	1/4	45	T- 1947	1 11/16	2 1/16	5/16	30
T- 1906	1.600	2	9/32	30	T- 1948	1 11/16	2.074	5/16	45/R
T- 1907	1 9/16	1 29/32	29/64	30	T- 1949	1 11/16	2.088	.300	30
T- 1908	1 5/8	1 7/8	9/32	45	T- 1950	1 11/16	2.026	.345	45/R
T- 1909	1 19/32	1 7/8	21/64	45	T- 1951	1 21/32	1.954	11/32	45
T- 1910	1 5/8	1 15/16	9/32	45	T- 1952	1.606	2.053	.331	45/R
T- 1911	1 19/32	1 15/16	1/4	45	T- 1953	1 23/32	2	11/32	45
T- 1912	1 19/32	1 7/8	5/16	45	T- 1954	1 43/64	1.953	15/64	45
T- 1913	1 9/16	1 57/64	7/32	45	T- 1955	1 23/32	2	7/32	45
T- 1914	1 5/8	1.858	9/32	45	T- 1957	1 9/16	2	1/4	30
T- 1915	1 19/32	2.020	9/32	-/R	T- 1958	1 13/16	2	7/32	45
T- 1916	1 9/64	1.492	.317	45	T- 1959	1 53/64	2.015	9/32	45
T- 1917	1 3/4	2.006	11/32	45	T- 1960	1 5/8	2.055	5/16	45/R
T- 1918	1 1/2	1.726	.295	45	T- 1961	1 5/8	2 1/16	5/16	45/R
T- 1919	1 7/16	1 13/16	5/16	45PA	T- 1962	1 5/8	2 1/16	11/32	30
T- 1920	1 5/8	2	7/32	45	T- 1963	1 3/4	2 1/16	7/32	45
T- 1921	1 5/8	2	1/4	45	T- 1964	1 11/16	1 15/16	3/16	45
T- 1922	1 5/8	2	9/32	45	T- 1965	1 11/16	2	9/32	30
T- 1924	1 5/8	2	5/16	45	T- 1966	1 21/32	1.860	3/16	45
T- 1925	1 5/8	2	11/32	30	T- 1967	1 11/16	1 7/8	7/32	45
T- 1926	1 5/8	2	1/4	45/R	T- 1968	1 9/16	1 7/8	7/32	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1969	1 3/4	2	5/32	45	T- 2011	2 1/8	2 1/2	5/8	30
T- 1970	1 9/16	1 7/8	5/32	45	T- 2012	2 1/4	2 5/8	5/8	30
T- 1971	1 1/2	1 15/16	5/16	45	T- 2013	1.400	1.755	.402	---
T- 1972	1 7/16	1.757	7/32	30	T- 2014	1 7/16	1 25/32	9/32	45
T- 1973	1 7/16	1 3/4	.203	45/R	T- 2016	1 1/16	1 3/8	3/8	45
T- 1974	1 37/64	1 15/16	.203	30	T- 2017	1 19/32	1 7/8	3/8	45
T- 1975	1 3/8	1.704	5/16	---	T- 2018	1 9/16	1 13/16	.365	30
T- 1976	1 7/16	1.880	5/16	45	T- 2019	1 1/4	1 5/8	23/64	45/R
T- 1977	1 7/16	1 5/8	7/32	45	T- 2020	2 1/8	2.435	5/8	30/R
T- 1978	1.371	1.669	.272	38	T- 2021	2 9/32	2.590	5/8	30/R
T- 1979	1 5/8	1.912	.284	45	T- 2022	2 9/32	2.592	5/8	30/R
T- 1980	1.866	2.150	.292	30	T- 2023	1 13/32	1 11/16	3/16	45
T- 1981	1.871	2.205	.305	30/R	T- 2024	1 1/2	1.788	.300	45
T- 1982	1.600	2.047	.405	45/R	T- 2025	1 17/32	1 13/16	.200	30
T- 1983	1.410	1.757	.320	45/R	T- 2026	1 7/16	1 13/16	5/16	45/R
T- 1984	1 17/64	1 9/16	.208	45	T- 2027	1 1/2	1 7/8	.288	45/R
T- 1985	1.225	1.568	.320	45/R	T- 2028	1 9/16	1 3/4	7/32	45
T- 1986	1	1 1/4	5/32	45	T- 2029	1 11/16	2 1/16	29/64	30/R
T- 1987	1 5/8	1.954	11/32	45	T- 2030	1 17/32	1 13/16	.365	30/R
T- 1988	1 17/32	1 25/32	13/32	45	T- 2031	1 1/2	1 13/16	.278	45/R
T- 1989	1 11/16	2	11/32	45	T- 2032	1 11/16	2	3/16	45
T- 1991	1 13/32	1 3/4	5/16	45	T- 2033	1.575	1 7/8	.290	45/R
T- 1992	1 11/16	2	3/8	45	T- 2034	1 15/32	1 13/16	5/16	45
T- 1993	1 9/16	1 13/16	.365	30/R	T- 2035	1 5/16	1.713	5/16	45
T- 1994	1 7/16	1 11/16	.365	45/R	T- 2036	1 3/4	2.1295	.306	30
T- 1995	1 1/16	1 3/8	5/16	45	T- 2037	1 1/2	1 7/8	3/8	45/R
T- 1996	1 17/64	1 1/2	.290	---	T- 2038	1 3/8	1 3/4	3/8	45/R
T- 1997	1.755	2.062	.340	---	T- 2039	2 9/32	2 3/4	5/8	30/R
T- 1998	1.555	1.812	.310	---	T- 2040	2 9/32	2 9/16	5/8	30/R
T- 2000	1.575	1.880	.345	45/R	T- 2041	2 9/32	2 5/8	5/8	30/R
T- 2001	2 3/16	2 9/16	11/16	45	T- 2042	2 9/32	2 5/8	5/8	30
T- 2002	1.531	2.006	.301	30	T- 2043	1.460	1.850	.300	30
T- 2003	2 3/16	2 1/2	11/16	45	T- 2044	1.460	1 7/8	.300	30
T- 2004	2 3/16	2 9/16	3/4	45	T- 2045	1.575	1 15/16	.354	45
T- 2005	2 3/16	2 1/2	11/16	45/R	T- 2046	1.575	2	.354	45
T- 2006	2 1/8	2 5/8	1/2	30/R	T- 2047	2 1/8	2 7/16	.433	45
T- 2007	2 1/8	2 5/8	5/8	30	T- 2048	1 3/8	1 11/16	.295	45/R
T- 2008	2 1/8	2 7/16	1/2	30	T- 2049	1.468	1 3/4	.276	45
T- 2009	2 1/8	2.435	5/8	30	T- 2050	2 1/8	2 7/16	5/8	30/R
T- 2010	2 1/8	2 7/16	5/8	30	T- 2051	2 1/8	2 1/2	5/8	30/R

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2052	1.520	1.812	.225	30	T- 2092	1 1/16	1 3/8	21/64	45/R
T- 2053	1 21/64	1 11/16	1/4	---	T- 2093	1 11/32	1 5/8	11/32	45/R
T- 2054	1 9/16	2 15/16	1 15/16	45/R	T- 2094	1 3/8	1 11/16	.321	-/R
T- 2055	1.520	1.812	.200	30	T- 2095	1 9/16	1 27/32	1/4	45
T- 2056	1.350	1 13/16	.338	30	T- 2096	1 11/16	2	.206	30
T- 2057	1.575	2 1/16	.362	30	T- 2097	1 19/32	1.947	7/16	45
T- 2058	1.460	2.021	.316	-/R	T- 2098	1 9/16	2.252	1 3/4	45
T- 2059	1.460	2 1/8	.316	-/R	T- 2099	1 7/16	1 25/32	.288	45
T- 2060	1.578	1 15/16	.203	30/R	T- 2100	3 1/4	4 1/16	1	45
T- 2061	1.800	2.135	.367	45	T- 2101	3 1/16	4	1	45
T- 2062	1 11/16	2 1/16	5/16	45	T- 2102	3 1/8	4	3/4	45
T- 2063	1 9/16	1.8575	.229	45	T- 2103	3 1/8	3 7/8	5/8	45
T- 2064	1 21/32	1.953	7/16	45	T- 2104	3 1/8	3 7/8	1	45
T- 2065	1 13/32	1.718	7/16	45	T- 2105	3 1/4	3.938	29/32	45
T- 2066	1.600	1.882	7/16	45	T- 2106	3 1/4	3 31/32	1	45
T- 2067	1.575	1 7/8	.354	45	T- 2107	3 1/4	3 15/16	9/16	45
T- 2068	1.221	1 11/16	.296	45	T- 2108	3 1/4	3 13/16	5/8	30
T- 2069	1.330	1 5/8	.379	45/R	T- 2109	3 1/4	4	1	45
T- 2070	1.550	1 13/16	.450	45	T- 2110	3 1/4	3 15/16	1	45
T- 2071	1.555	1.831	.354	45	T- 2111	3 1/4	3 15/16	1	30
T- 2072	1.496	1.819	.197	45/R	T- 2112	3 1/4	3.938	1	45
T- 2073	1.328	1 11/16	.297	45	T- 2113	3 1/4	3.938	1	30
T- 2074	1.359	1.595	.213	45/R	T- 2114	3 7/8	4 21/32	1	30
T- 2075	1.135	1 7/16	.316	45/R	T- 2115	3 5/8	4 3/8	1 1/8	45
T- 2076	1 7/16	1.955	3/8	45/R	T- 2116	3 1/4	3 31/32	1	30
T- 2077	1 9/16	1 7/8	13/32	45	T- 2117	3 1/4	4	1	30
T- 2078	1 1/2	2 1/8	9/16	45	T- 2118	3 1/4	4 1/16	1	30
T- 2079	1 15/16	2 5/16	11/32	30	T- 2119	3 7/8	4 5/8	15/16	30
T- 2080	1.575	1.969	.374	45	T- 2120	3 1/4	4.004	1/2	45
T- 2081	1 3/16	1 9/16	5/16	---	T- 2121	3 7/8	4 5/8	1	45
T- 2082	1 11/16	2	.260	30	T- 2122	3 7/8	4 5/8	1	30
T- 2083	1.112	1 3/8	11/32	45/R	T- 2123	3 1/4	3 15/16	.852	30
T- 2084	1 3/8	1 11/16	.362	45/R	T- 2124	3 7/8	4.6275	15/16	30
T- 2085	1.865	2 3/8	.296	45/R	T- 2125	3 7/8	4.9995	7/8	45/R
T- 2086	1.600	1.985	.290	45/R	T- 2126	1 5/8	1.953	.400	
T- 2087	1 3/8	1 3/4	5/16	45/R	T- 2127	4.760	5.752	.952	30
T- 2088	1.573	1 15/16	.379	45/R	T- 2128	3 1/4	4.004	1/2	30
T- 2089	1 7/16	1 13/16	.295	45/R	T- 2129	3 1/4	3 15/16	29/32	30
T- 2090	1.140	1 1/2	9/32	45/R	T- 2130	3 1/4	3 15/16	29/32	45
T- 2091	1.570	1.819	.284	30/R	T- 2131	3 7/8	4 5/8	29/32	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2132	1 1/2	1.7825	11/32	30	T- 2173	1 9/16	1.822	.355	30/R
T- 2133	1 3/8	1.7185	.400		T- 2174	1 7/16	1.697	.355	45/R
T- 2134	1 11/16	2.0055	.335	45	T- 2175	3 1/4	3.940	.975	30
T- 2135	1 3/4	2 3/16	7/16	45/R	T- 2176	3 7/8	4.628	.975	30
T- 2136	1 9/16	1.8575	1/4		T- 2177	1 3/4	2 1/16	.420	45
T- 2137	1.608	1.8585	.209	30	T- 2178	1 17/32	1 13/16	3/8	30/
T- 2138	1.575	1.8575	1/4	45/R	T- 2179	1.570	1.819	.284	---
T- 2139	1 21/32	1 15/16	3/8	45	T- 2180	1.570	1.819	.294	30/R
T- 2140	1 21/32	1 7/8	3/16	---	T- 2181	1.570	1.819	.294	0/A
T- 2141	1 7/16	1 13/16	3/16	45	T- 2184	1.697	2.091	.390	45/R
T- 2142	1.609	1.8545	.277	45/R	T- 2193	1 9/16	1 15/16	7/32	45
T- 2143	1.656	1.958	.438	45	T- 2197	1 9/16	2 1/8	3/8	45
T- 2144	1.358	1.777	.394	45	T- 2198	1 5/8	2 1/8	3/8	45
T- 2145	1.585	1.946	.367	45	T- 2201	3 5/8	4 1/2	9/16	45
T- 2146	1.345	1.649	.250	45/R	T- 2202	3 5/8	4 9/16	9/16	45
T- 2147	1.570	1.819	5/16	30/R	T- 2203	3 5/8	4 3/8	29/32	45
T- 2148	1.215	1.506	.318		T- 2204	3 3/4	4 5/8	21/32	45
T- 2149	4 3/4	5.563	1	45	T- 2205	3 3/4	4 5/8	3/4	45
T- 2150	4 3/8	5 1/4	1	45	T- 2206	3 3/4	4 3/4	51/64	45
T- 2151	4 11/16	5.563	1	45	T- 2207	3 3/4	4 3/4	25/32	30/R
T- 2152	3 5/16	4 5/16	1 1/8	45	T- 2208	3 3/4	4 3/4	25/32	45/R
T- 2153	1.600	1.835	.250	45	T- 2209	4	4 5/8	9/16	45
T- 2154	3 11/16	4.565	7/8	45	T- 2210	3 7/8	4 1/4	1	45
T- 2155	3 3/4	4 9/16	3/4	45	T- 2211	3 3/8	4 1/4	1	45
T- 2156	1.130	1.382	.304	45	T- 2214	3 3/4	4.7495	25/32	30/R
T- 2157	1.563	2.068	.219		T- 2215	3 3/4	4.7495	25/32	15/R
T- 2158	1.595	1.962	.365	30/R	T- 2216	3 3/4	4.7495	25/32	45/R
T- 2159	1.718	2.009	.345		T- 2217	3 3/4	4.688	1	45/R
T- 2161	3 3/4	4 9/16	7/8	30	T- 2218	3 3/4	4.8695	.812	45/R
T- 2162	3 3/4	4 9/16	7/8	45	T- 2219	3 3/4	4.688	1	30/R
T- 2163	1.640	2.023	.3125	30	T- 2220	3 1/2	4.376	.803	30
T- 2164	1 9/16	2 15/16	1 15/16	45	T- 2221	3 3/4	4.8695	.812	25/R
T- 2165	1.937	2.313	.390	45/R	T- 2222	3 3/4	4 11/16	3/4	45
T- 2166	1 9/16	2 15/16	1.812	45	T- 2223	3 3/4	4 1/2	5/8	45
T- 2167	3 7/8	4 5/8	31/32	30	T- 2224	3 1/2	4 3/8	11/16	20
T- 2168	1 7/8	2.388	.395	20	T- 2225	4	4.8745	.560	45
T- 2169	1 7/16	1.780	.256	--	T- 2226	4	4.875	.520	25
T- 2170	2 1/8	2.440	.615	30/	T- 2227	4	4.8745	9/16	25
T- 2171	2 1/8	2.440	.615	30/R	T- 2228	4	4.878	.562	30
T- 2172	2 9/32	2.595	.615	30/R	T- 2229	4	4.878	1.250	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2230	4 3/8	5.3745	3/4	45/R	T- 2340	7/8	1 3/16	1/4	45
T- 2231	4 3/8	5.375	3/4	45/R	T- 2341	.905	1 3/16	.257	45
T- 2232	3 1/2	4 1/4	3/4	20	T- 2342	15/16	1 3/16	1/4	45
T- 2233	4	4 13/16	9/16	45	T- 2343	15/16	1 3/16	9/64	45
T- 2234	3 1/2	4 3/8	29/64	45	T- 2344	21/32	1 1/8	1/4	45/R
T- 2235	4 3/8	5.4995	31/32	45/R	T- 2345	.910	1.161	.222	30/R
T- 2238	4 3/8	5.4995	1.094	45/R	T- 2346	15/16	1 1/8	5/16	45
T- 2240	1 3/4	2 1/16	.390	45	T- 2347	7/8	1 3/8	11/32	45
T- 2241	4 3/8	5 1/2	31/32	45/R	T- 2348	15/16	1 3/16	.235	45
T- 2242	4 3/8	5.504	1 3/32	45/R	T- 2349	.890	1.132	.237	45/R
T- 2249	3 1/2	4 11/16	3/4	45/R	T- 2350	59/64	1 5/32	7/32	30/R
T- 2250	3 1/2	4 1/2	1/2	45	T- 2351	.910	1 1/4	.285	45/R
T- 2251	3 1/2	4 1/2	11/16	---	T- 2354	1 1/4	1.536	.358	45
T- 2269	1 3/4	2 1/16	5/16	45	T- 2355	1 5/32	1 7/16	1/4	30/R
T- 2275	3 5/8	4 1/2	3/4	45	T- 2356	1.142	1 9/16	.296	45
T- 2301	5/8	1 1/8	1/4	45/R	T- 2357	1.154	1.318	.256	45
T- 2302	3/4	1 1/8	1/4	45/R	T- 2358	1 9/64	1.425	.284	
T- 2303	5/8	.876	1/4	---	T- 2359	1 9/64	1.433	.284	
T- 2304	5/8	1 1/8	1/4	45	T- 2360	.910	1.181	.222	30/R
T- 2305	5/8	.881	1/4	---	T- 2361	.880	1 3/16	.280	45
T- 2306	.635	1.130	1/4	---	T- 2362	1 1/4	1.536	.358	45/R
T- 2307	.630	1.130	.250	45	T- 2364	1.057	1.382	.240	45/R
T- 2308	3/4	1 1/8	1/4	45	T- 2365	.976	1.257	.180	
T- 2309	1 7/32	1.7325	.394	---	T- 2367	1.890	2.368	.460	20/S
T- 2310	1 7/16	1.819	5/16		T- 2370	1 9/16	1.842	1/4	20
T- 2311	1 7/16	1.820	5/16		T- 2371	1 11/16	2 1/16	3/8	45
T- 2312	1 3/32	1 5/16	7/32	45	T- 2375	1.687	2.1005	.375	45/R
T- 2313	1 1/8	1 5/16	7/32	45	T- 2380	1 1/4	1.502	.205	45
T- 2315	1.457	1.757	5/16		T- 2381	1 1/4	1 7/16	.318	45
T- 2320	5/8	.875	1/4	45	T- 2382	1.306	1.593	.224	
T- 2321	5/8	1.132	1/4	---	T- 2383	1.236	1.4605	.236	
T- 2322	1 1/32	1 5/16	1/4	45/R	T- 2384	1 5/16	1.584	1/4	30
T- 2330	7/8	1 1/4	1/4	---	T- 2386	1 7/8	2 3/8	7/16	45
T- 2331	29/32	1 1/4	5/16		T- 2389	1 15/16	2 1/8	7/32	45
T- 2332	15/16	1 1/4	3/16		T- 2391	1.230	1.569	.278	
T- 2333	1	1 1/4	5/16	45	T- 2394	15/16	1 1/4	7/32	
T- 2334	.830	1 1/8	.240		T- 2401	2 1/4	2 15/16	3/8	45
T- 2336	13/16	1 1/8	3/16	45	T- 2402	1	1 7/16	1/4	45
T- 2337	13/16	1	3/16	45	T- 2403	2 1/8	2 7/8	9/16	---
T- 2338	13/16	1 1/16	3/16	45	T- 2404	2 1/4	3	15/32	30

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2405	2 3/8	3 1/8	3/8	45	T- 2519	1 3/32	1.457	.354	
T- 2406	1 1/2	1.953	.290	30/R	T- 2522	1 1/8	1 1/2	5/16	
T- 2407	1	1 7/16	3/16	45	T- 2523	1 1/8	1 7/16	.358	45
T- 2410	2 7/16	3 1/8	3/8	45	T- 2524	1 1/8	1.6145	.394	---
T- 2411	2 3/16	2 7/8	3/8	45/R	T- 2525	1 1/8	1 7/16	.300	45
T- 2412	2 3/8	3	3/8	45	T- 2526	1.693	2.126	.413	45
T- 2413	1	1 7/16	5/16	45	T- 2528	1 1/8	1 7/16	5/16	45/R
T- 2414	2 3/16	2 1/2	1/4	30	T- 2529	1 7/16	1.828	3/8	45
T- 2418	1.335	1.577	.219	30/R	T- 2530	1 1/8	1 5/8	11/32	45
T- 2423	1 9/16	1.823	.273	30	T- 2531	1 1/8	1 9/16	5/16	45/R
T- 2424	2 1/4	3	5/16	45	T- 2532	1 1/8	1 9/16	5/16	
T- 2425	2.250	2.628	.390	15/R	T- 2540	1 13/16	2 1/16	5/16	45
T- 2427	1 17/32	1.811	.334	45	T- 2545	1 5/32	1 7/16	1/4	30
T- 2434	1 11/16	2.134	5/16	20	T- 2548	1.550	1.856	.257	30
T- 2437	1 1/8	1 7/16	.257	45	T- 2560	1 5/16	1 1/2	1/4	45
T- 2452	1 11/16	2 1/16	7/32	45	T- 2561	1 5/16	1 1/2	1/4	45/R
T- 2455	1 9/16	1 27/32	5/16	30	T- 2564	1 5/16	1.756	.362	45
T- 2459	1.200	1.459	.217		T- 2565	1 5/16	1 3/4	3/8	45
T- 2465	1 1/4	1 11/16	7/32	45	T- 2566	1 5/16	1 13/16	3/8	45
T- 2467	1 1/4	1 11/16	5/16	45	T- 2568	1 3/8	1 53/64	3/8	30
T- 2469	1 11/32	1 11/16	7/32	45	T- 2569	1 7/16	1 11/16	.365	45
T- 2474	1 11/32	1 11/16	.315	45	T- 2570	1 25/64	1.7255	.382	45/R
T- 2475	1	1 1/4	.305	45	T- 2571	1 9/16	1 13/16	3/8	20
T- 2480	1 9/32	1.480	1/4	45	T- 2572	1 9/16	1 13/16	.390	30/R
T- 2482	1 9/16	1.894	1/4	45	T- 2573	1 7/16	1 11/16	.390	30/R
T- 2483	1 9/16	1.894	.375		T- 2574	1 13/32	1.688	.365	20
T- 2485	1	1 5/8	3/8	45	T- 2575	1 7/16	1.688	.365	45
T- 2490	1	1.8565	1.1325	45/R	T- 2576	1 7/16	1 11/16	7/16	45/R
T- 2492	1 13/16	2.052	1/4	45	T- 2577	1 7/16	1 11/16	13/32	45
T- 2497	1.730	1.973	1/4		T- 2578	1 7/16	1 11/16	13/32	45/R
T- 2498	1 11/16	1.973	.394		T- 2579	1 9/16	1 13/16	13/32	45
T- 2501	1 1/16	1.362	3/8	45	T- 2580	1 7/16	1 11/16	13/32	45
T- 2504	.930	1 1/4	.325		T- 2582	1 7/16	1.6875	.365	45/R
T- 2505	.955	1 1/4	.255	45	T- 2583	1 7/16	1.6875	3/8	20
T- 2506	.934	1.2514	.218	45	T- 2584	1 9/16	1.9455	.425	45
T- 2510	1.215	1.4595	.312	30	T- 2586	1.437	1.6865	.365	45/R
T- 2515	1 3/32	1.461	.320	45/R	T- 2587	1.418	1.7755	.275	30/R
T- 2516	1 3/32	1 1/2	.320	45/R	T- 2589	1 17/32	1.813	.365	20
T- 2517	1 3/32	1 7/16	.354	45	T- 2590	1 9/16	1.813	.365	30
T- 2518	1 1/8	1 1/2	.316	45/R	T- 2591	1 7/16	1 11/16	3/8	20

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2592	1 9/16	1.8125	.365	30/R	T- 2701	1.715	2.330	1/2	45
T- 2593	1 5/8	1.891	.306	30	T- 2702	1 3/4	2 5/16	7/16	45
T- 2594	1.610	1.890	.306	30	T- 2703	1 13/16	2 5/16	7/16	45
T- 2595	1 13/16	2 3/16	7/16	30/R	T- 2704	1 27/32	2 7/32	5/16	45
T- 2596	1 13/16	2.135	7/16	45	T- 2705	1 7/8	2.167	7/16	30/R
T- 2597	1.830	2.2000	.312	45/R	T- 2706	1 21/32	2 3/8	11/32	30
T- 2598	2.000	2.4500	.312	45/R	T- 2707	1 7/8	2 5/16	3/8	45
T- 2599	1.610	1.890	.312	30/R	T- 2708	1 13/16	2 5/16	9/32	45
T- 2600	1 9/16	1.813	.365	20	T- 2709	1 7/8	2 5/16	7/16	45
T- 2601	3 1/8	3 9/16	7/16	45/R	T- 2710	1 5/8	2 3/8	1/2	45
T- 2602	3 1/8	3 51/64	9/16	45	T- 2711	1 13/16	2 1/4	3/8	45
T- 2603	1 3/4	2.194	.453		T- 2712	1 13/16	2 5/16	3/8	45
T- 2604	3 1/4	3 25/32	1/2	30	T- 2713	1 13/16	2 1/4	11/32	45
T- 2605	1.400	1.6500	.375	45/R	T- 2714	1 13/16	2 1/8	7/16	30/R
T- 2606	1.600	2.000	.375	45/R	T- 2715	1 13/16	2 1/8	29/64	30/R
T- 2607	1.813	2.140	.438	45	T- 2716	1 25/32	2 1/8	1/4	45
T- 2608	1.594	1.952	.438	45	T- 2717	1 27/32	2.220	5/16	45
T- 2609	1.732	2.170	.433	45	T- 2718	1 27/32	2.230	5/16	45
T- 2610	1 7/16	1.688	.365	20	T- 2719	1.800	2.128	.225	45
T- 2622	1.645	1.900	.250	45	T- 2720	1 29/32	2 1/8	1/4	45
T- 2630	1 5/8	1 15/16	1/4	---	T- 2721	1 15/16	2 1/8	1/4	45
T- 2636	1 3/8	1 7/8	7/16	45	T- 2722	1 15/16	2 3/16	1/4	45
T- 2640	1 5/16	1 3/4	7/16	45	T- 2723	1 29/32	2 1/8	.225	30
T- 2641	1 7/16	1 3/4	3/8	45	T- 2724	1 13/16	2 5/16	11/32	-/R
T- 2642	1 7/16	1 3/4	7/16	45	T- 2725	1.798	2.139	.367	45
T- 2643	1 1/2	1 3/4	3/8	45	T- 2726	1.791	2 3/16	.433	45
T- 2648	1 5/16	1 13/16	5/16	45	T- 2727	1.837	2 3/8	.368	45/R
T- 2650	1 9/16	1 3/4	3/16	45	T- 2728	1.800	2.1945	29/64	
T- 2651	1 9/16	1 3/4	1/4	45	T- 2729	1.772	2.0535	.336	30/R
T- 2656	1.548	1.811	.334	45	T- 2730	1 11/16	2 1/4	11/32	45/R
T- 2659	1 5/8	1 13/16	1/4	45	T- 2731	1 7/8	2.368	.460	20
T- 2668	1.680	2.388	.460	20/S	T- 2732	1 7/8	2.368	.440	20
T- 2669	1 17/32	2.0475	3/8	30/R	T- 2733	1.705	2.136	.319	45/R
T- 2681	1 1/4	1.681	3/8	45	T- 2734	1.875	2.368	.383	30/R
T- 2687	1 3/8	1 11/16	3/16	45	T- 2735	1 17/32	2.002	3/8	45
T- 2688	1 1/2	1 11/16	3/16	45	T- 2736	1 17/32	2.012	3/8	45
T- 2689	1 1/2	1 11/16	3/8	45	T- 2737	1 17/32	2.034	3/8	45
T- 2692	1.550	1.831	.253		T- 2738	1 17/32	2.064	3/8	45
T- 2695	1 1/4	1 3/4	5/16	45	T- 2739	1 7/8	2.205	.290	20/R
T- 2700	1.921	2.368	.440	45	T- 2740	1.900	2.089	3/16	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2741	1.365	1.655	5/16	45	T- 2794	1 3/8	1.7185	.205	45
T- 2743	1 11/32	1.655	5/16	45	T- 2797	1.280	1.650	.350	
T- 2744	1 3/4	2.048	11/32	30/R	T- 2798	2	2.398	.460	20
T- 2745	1.690	2.004	.317	30/R	T- 2799	1 9/32	1.6825	.375	
T- 2746	1 11/16	2	5/16	30/R	T- 2800	1 9/16	2.007	.453	45
T- 2747	1.894	2 1/2	.350	30/R	T- 2801	1 1/2	1.916	29/64	30
T- 2748	1.360	1 11/16	1/4	45/R	T- 2802	1 1/2	1 7/8	7/16	45
T- 2749	1 11/32	1.636	7/32	45	T- 2803	1 1/2	2	3/8	45
T- 2750	1 11/16	2	7/32	30	T- 2804	1 1/2	2	7/16	45
T- 2751	1.895	2.3675	.383	30/R	T- 2805	1 11/16	1.980	7/16	30/R
T- 2752	1.970	2.3875	.383	30/R	T- 2806	1 9/16	2 1/16	3/8	45
T- 2753	1.970	2.387	.383	30/R	T- 2807	1 9/16	2 1/16	1/2	45
T- 2754	1.895	2.2475	.3525		T- 2808	1 9/16	1.916	29/64	30
T- 2755	1.960	2.2125	.250	45	T- 2809	1 5/8	1.938	3/8	45
T- 2756	1 11/16	2	5/16		T- 2810	1 11/16	2	29/64	30/R
T- 2757	1.921	2.368	.395		T- 2811	1 9/16	1 7/8	29/64	30/R
T- 2758	1 7/8	2.387	.383	Draw	T- 2812	1 5/8	1 15/16	5/16	45
T- 2759	1 7/8	2 5/16	9/32	45	T- 2813	1 5/8	1 7/8	29/64	45
T- 2760	1.890	2.368	.460	20/R	T- 2814	1 5/8	2	7/16	45
T- 2763	1.595	2.012	.293	30/R	T- 2815	1 5/8	2 1/16	3/8	45
T- 2764	1.375	1.736	.328	30/R	T- 2816	1 5/8	2 1/8	7/16	45
T- 2767	1.458	1.6935	.234		T- 2817	1 11/16	2 1/8	1/4	45
T- 2768	1 21/32	1.969	.234		T- 2818	1 11/16	2 1/8	.300	30
T- 2769	1.535	1.969	.413	45	T- 2819	1 11/16	2 1/8	5/16	30
T- 2770	1 5/8	2.062	3/8		T- 2820	1 23/32	2 1/8	9/32	30
T- 2771	1.652	2.136	.310	37	T- 2821	1 3/4	2	29/64	45
T- 2772	1.410	1.656	.258	30	T- 2822	1 9/32	1 7/8	1/2	45
T- 2773	1.550	1.814	.240	45	T- 2823	1 9/16	2	9/16	30
T- 2776	1.705	2.136	.295	30	T- 2824	1 1/2	2 1/16	37/64	45
T- 2780	1 13/16	2.300	3/8	45	T- 2825	1 7/16	1.876	1/2	45/R
T- 2781	1 7/8	2 1/8	.290	45	T- 2826	1 35/64	1 7/8	7/16	---
T- 2782	1.975	2.3675	.393	45/R	T- 2827	1 3/4	2.024	15/64	45/R
T- 2783	1.975	2.3675	.440	45	T- 2829	1 37/64	1.969	.211	45/R
T- 2784	1.975	2.3675	.485	45	T- 2830	1 7/8	2 3/16	29/64	30/R
T- 2787	1.895	2.387	.365	20/R	T- 2831	1 1/2	2	5/16	45
T- 2788	1.895	2.387	.440	20/R	T- 2832	1 11/16	2 1/16	7/16	30/R
T- 2789	1.895	2.387	.455	20/R	T- 2833	1.536	1 7/8	.354	45
T- 2791	1 13/32	1.7965	7/32	45/R	T- 2834	1 13/32	1.6555	9/32	30
T- 2792	1 1/4	1.4925	.209	45	T- 2835	1 13/32	1.660	13/32	45
T- 2793	1.562	1.9435	.210	45/R	T- 2836	1 13/32	1 5/8	1/4	45

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2837	1.535	1 13/16	.266	45/R	T- 2878	1.782	2.100	.267	30
T- 2838	1.536	1 15/16	.354	45	T- 2881	1 9/16	1.881	.187	30/R
T- 2839	1 9/16	1 7/8	29/64	---	T- 2887	1.672	2.2885	.453	20/R
T- 2840	1 1/2	1 13/16	7/16	45	T- 2888	1.672	2.2885	.453	30/R
T- 2841	1 1/2	2	11/32	45/R	T- 2889	1.665	1.9195	.250	45
T- 2842	1 1/2	2	.276	45	T- 2890	1.772	2.3625	.433	30/R
T- 2843	1.536	1.910	.296	45	T- 2891	1.772	2.367	.433	30/R
T- 2844	1.536	2	.296	45	T- 2892	1.772	2.367	.433	20/R
T- 2845	1 3/8	1.700	.402	45	T- 2893	1.953	2.4065	.375	30/R
T- 2846	1 9/16	1 7/8	.402	30	T- 2894	1.100	1.375	.227	30
T- 2847	1 9/16	1 7/8	.336	30	T- 2895	1.100	1.375	.227	45
T- 2848	1.538	1 13/16	1/4	45/R	T- 2897	1 3/4	2.1265	.323	20/R
T- 2849	1.540	1 15/16	.315	45/R	T- 2898	1 3/4	2.1265	.323	---
T- 2850	1 5/8	1 7/8	3/8	45	T- 2902	1 11/16	2.068	.420	
T- 2851	1 13/16	2 1/8	3/8	45	T- 2903	1 9/16	2	5/16	45
T- 2852	1 13/16	2 1/16	7/32	45	T- 2904	2 23/64	2.962	.336	45/R
T- 2853	1 5/8	1 7/8	.352	45/R	T- 2905	1 9/16	2	7/32	
T- 2854	1 5/8	2.2555	1/2	45	T- 2906	1 9/16	2 1/16	5/16	45
T- 2855	1 17/32	2.002	.400	30	T- 2909	1 5/32	1 13/32	3/16	45
T- 2856	1 17/32	2.017	.400	30	T- 2928	2.120	2.528	.285	30
T- 2857	1 17/32	2.034	.400	30	T- 2929	1.328	1 9/16	7/32	45/R
T- 2858	1 17/32	2.064	.400	30	T- 2931	1 7/16	1.932	.212	20/R
T- 2859	1 5/8	2.0075	29/64		T- 2932	1 29/32	2 5/16	7/32	45
T- 2860	1 9/16	2 1/4	1/2	45	T- 2933	1 7/16	1.933	.241	30/R
T- 2861	1 1/2	2	1/2	15	T- 2935	1.460	1.9335	.240	30/R
T- 2862	1 13/16	2 1/8	9/32	45	T- 2936	1.460	1.9425	.240	30/R
T- 2863	1.329	1 5/8	9/32	45	T- 2937	1.380	1.819	.405	45/R
T- 2864	1 9/16	2 1/16	7/16	45	T- 2938	1.260	1.632	.395	45/R
T- 2865	1 5/8	2.060	.453		T- 2939	1 5/8	1 15/16	7/32	45
T- 2866	1.333	1 5/8	.315	45/R	T- 2947	1 11/16	2 1/16	11/32	30
T- 2867	1 3/4	2	7/32	45/R	T- 2951	1 3/4	2.051	.241	30/R
T- 2868	1.020	1 5/16	.258	45	T- 2953	1.750	2.051	.240	30/R
T- 2869	1 1/2	2.0025	1/2	45	T- 2954	1.750	2.0675	.240	30/R
T- 2870	1.525	1.946	.415		T- 2961	1 5/16	1.6895	.250	47
T- 2871	1.535	1.974	.413	45	T- 2962	1 5/16	1.7195	.250	47
T- 2872	1.625	2.073	.400	45	T- 2968	1.580	1.968	.304	30
T- 2873	1.406	1.723	.438	45	T- 2969	1.975	2.284	.304	30
T- 2874	1.616	1.991	.309	45/R	T- 2973	1 15/16	2 1/4	7/32	45
T- 2875	1.575	1.882	.320		T- 2976	1 13/32	1 11/16	1/4	45/R
T- 2877	1.574	1.946	.315	45	T- 2977	1.280	1.555	.238	30/R

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2980	1 5/8	1.953	.195		T- 4008	4 5/16	5 7/16	1 3/8	15
T- 2981	1 5/8	1.953	.215	45	T- 4010	4 47/64	5 1/2	13/16	45
T- 2982	1.301	1.555	.193	45/R	T- 4013	4.260	5 3/32	7/16	30/R
T- 2983	1.340	1.600	.300	45	T- 4014	4 1/4	5.394	1	45
T- 2985	1 1/2	1 3/4	.285	45	T- 4015	4 1/4	5.394	1	30
T- 2986	1.555	1.874	.2375		T- 4016	4 1/4	5.416	1	45
T- 2995	1 9/16	1.9765	5/16	30	T- 4019	4	5.437	1 3/8	45
T- 2996	1 9/16	1.976	.332	30	T- 4021	4	5.383	1.406	45
T- 3101	2 3/8	3.122	27/32	45	T- 4022	3 7/8	5.121	2	45/R
T- 3325	.790	1.0495	1/4		T- 4023	4	5	1/2	45
T- 3437	1 7/16	1 7/8	3/8	45	T- 4024	4	4.762	5/8	45
T- 3500	2.360	3 1/8	.661	45/R	T- 4025	4	5.400	1.406	45
T- 3505	2.360	3 1/8	.710	45/R	T- 4030	4 5/8	5.583	9/16	30
T- 3510	2.360	3 1/8	.710	45/R	T- 4032	4.648	5.755	1.175	45/R
T- 3600	3 1/16	4 1/8	1	30	T- 4034	4 1/2	5.253	1.225	30/R
T- 3601	3 1/4	4 1/8	1	45	T- 4035	5	5 7/8	9/16	30
T- 3602	3 1/4	4.128	1	30/R	T- 4036	5	5 7/8	9/16	45
T- 3603	3 1/4	4 1/8	1	30	T- 4040	4 1/32	5	1	45/C
T- 3604	3 1/4	4.094	5/8	45	T- 4041	4 1/32	5	1	45
T- 3605	3 3/8	4.503	1.188	30/R	T- 4042	4 1/32	5	1	30
T- 3606	3 1/4	4.094	5/8	30	T- 4045	4.423	5.755	1.175	45/R
T- 3607	3 1/4	4 1/8	3/4	45	T- 4046	4.648	5.755	1.175	30/R
T- 3608	3 1/16	4 1/8	1	30/R	T- 4050	4 1/2	5 1/2	3/4	45
T- 3620	2.515	2.9575	1.650	30	T- 4051	4 1/2	5.490	5/8	45
T- 3625	2.125	3.353	1.777	30	T- 4052	4 1/2	5 5/8	1 3/8	30
T- 3630	1.862	2.609	.830	45	T- 4053	4 1/2	5 5/8	1 3/8	15
T- 3732	1.312	1.687	.315	20/R	T- 4054	4 1/2	5 3/8	11/16	45
T- 3733	1.540	1.812	.312	20	T- 4055	4 1/2	5 1/2	11/16	45
T- 3736	1.312	1.680	.315	20	T- 4067	3 15/16	5	31/32	30
T- 3764	1.930	2.288	.307	30/P	T- 4101	4 1/2	5 5/8	1 3/8	45
T- 3765	1.693	2.130	.285	20/R	T- 4102	3 3/8	4	1 3/4	45
T- 3784	1 1/2	1.784	5/16	45	T- 4103	4 3/4	5 9/16	1	45
T- 3798	1.695	2.0665	.350	30	T- 4104	3 3/8	4	1 3/4	30
T- 3855	1.437	1.812	.200		T- 4105	4 1/8	5 3/16	1 3/8	45
T- 4001	4 3/4	5 3/4	11/16	30	T- 4106	4 1/16	5 3/16	1 3/8	45
T- 4002	4 3/4	5 3/4	11/16	15	T- 4107	4 1/16	4 13/16	1 3/4	45
T- 4003	4 3/4	5 5/8	3/4	45	T- 4108	3 3/8	4	1 3/4	15
T- 4005	4 3/8	5 7/16	1 3/8	45	T- 4109	4 1/16	5 3/16	1 3/8	30
T- 4006	4 5/16	5 7/16	1 3/8	45	T- 4110	4 1/16	5 3/16	1 3/8	15
T- 4007	4 5/16	5 7/16	1 3/8	30	T- 4111	4 1/8	5.364	1.650	30/R

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 4112	4 1/4	5	9/16	45	T- 6043	4 1/16	4 7/8	1/2	15/R
T- 4113	4 1/16	5	3/4	30/R	T- 6100	3 1/16	4 7/16	1 1/32	45/R
T- 4115	4 1/8	4.755	1/2	30	T- 6101	4 5/16	5.890	1 1/4	45/R
T- 4180	3.374	4.1803	1.563	20	T- 6102	4 1/16	5.750	1 5/16	45/R
T- 4210	3 3/8	4 1/8	7/8	45	T- 6103	4 1/16	5.395	1	45
T- 4211	3 3/8	4 1/8	9/16	45	T- 6214	1 3/4	2.6115	2.173	45/C
T- 4215	3 3/8	4 1/8	.889	45	T- 6501	3 3/4	4 1/2	1 1/4	30
T- 4220	3.110	4.0395	1.594	30	T- 6502	3 47/64	5.003	1 1/8	45
T- 4669	1.420	1.669	.276	30	T- 6503	3 3/4	4 1/2	1 1/4	15
T- 4792	1.540	1.792	.257	30	T- 6505	3 5/8	4 5/8	1 1/8	45
T- 4854	1.420	1.669	.445	45	T- 6506	5	6	3/4	45/R
T- 4855	1.540	1.792	.497	30	T- 6507	4 1/2	5 1/4	1 1/4	30
T- 5178	1	2.988	2.060	45/C	T- 6508	4 1/2	5 1/4	1 1/4	15
T- 5310	2.244	2.762	.354	30/R	T- 6509	4 1/2	5 1/4	1 1/4	20
T- 5311	2.110	2.762	.354	30	T- 6510	3 1/16	4 1/2	1 1/8	45
T- 6000	5 3/4	6.7545	.940	45	T- 6511	3 5/8	4 5/8	1 1/8	30/R
T- 6001	5 3/4	6.9255	1 1/8	30/R	T- 6512	5	5 7/8	3/4	45/R
T- 6002	5 3/4	6.922	1.125	30/R	T- 6513	3 5/8	4 5/8	1 1/8	15/R
T- 6003	5 5/8	6.7495	15/16	45/R	T- 6514	3.474	4 1/4	9/16	45/R
T- 6004	5 1/4	6.922	1 1/8	45/R	T- 6515	3 1/2	4 1/4	9/16	30
T- 6005	5 1/4	6.9255	1 1/8	30/R	T- 6516	3 1/2	4 1/8	1 1/4	45
T- 6006	5 3/8	6.925	1 1/8	30/R	T- 6517	3 1/2	4 7/32	5/8	45/R
T- 6007	5 13/16	6 7/8	3/4	45	T- 6518	5 1/2	6 1/2	3/4	30
T- 6008	5 1/4	6.922	1 1/8	30/R	T- 6519	3 1/2	4.3785	1.249	30/R
T- 6009	5 1/4	6.9225	1 1/8	45/R	T- 6521	5 1/2	6 1/2	11/16	30
T- 6010	4 1/4	5.376	1	45	T- 6522	3 1/4	4 1/16	3/4	45
T- 6011	5 1/4	6.9225	1 1/8	30/R	T- 6523	3.465	4.414	.870	
T- 6012	5.620	7.0005	.935	45/R	T- 6529	3.400	4.377	1.250	30/R
T- 6013	5 5/8	6 3/4	15/16	45/R	T- 6531	4 1/2	5.731	61/64	30/R
T- 6014	5 1/4	6.934	1 1/8	30/R	T- 6550	4 1/2	5.740	61/64	20/R
T- 6015	4 1/4	5 3/8	3/4	45	T- 6551	4 1/2	5.742	61/64	30/R
T- 6017	5 5/8	6 15/16	1 1/8	45/R	T- 6552	4 1/2	5.731	1	45/R
T- 6018	5 5/8	6.995	1 1/8	45/R	T- 6553	4 1/2	5.741	1	45/R
T- 6019	5 1/4	6.907	1 1/8	45	T- 6555	4 1/2	5.741	.885	20/R
T- 6020	5 1/4	6.992	1.179	30/R	T- 6556	4 1/2	5.731	.885	20/R
T- 6030	5	6 9/16	1 7/8	45	T- 6560	4 1/2	5.741	1.421	30/R
T- 6032	5	6 9/16	1 7/8	15	T- 6561	4 1/2	5.741	1.421	20/R
T- 6036	5	6.610	2 1/4	45/R	T- 6570	4.500	5.800	3/4	45/R
T- 6040	4 1/16	5 7/16	1.921	45	T- 6575	4.500	5.800	3/4	20/R
T- 6042	4 1/16	4 7/8	1/2	45	T- 6576	4.500	5.800	3/4	20/R

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 7007	1 17/32	1.898	.272	30/R	T- 7906	1.375	1.670	.300	45
T- 7010	1 5/8	2 1/4	5/16	45/R	T- 7907	1.220	1.455	.350	45
T- 7149	1 17/32	1.899	.275	30	T- 7908	1.567	1.855	.330	45
T- 7200	4 15/16	5.877	1/2	20	T- 7909	1.300	1.575	.330	45
T- 7201	4 15/16	5 7/8	35/64	30	T- 7910	1.300	1.580	.275	45
T- 7202	4 15/16	5 7/8	35/64	45/R	T- 7911	1.075	1.377	.310	45
T- 7203	4 15/16	5.904	35/64	30	T- 7912	1.420	1.755	.310	45
T- 7204	4 15/16	5.879	9/16	20	T- 7913	1.263	1.482	.310	45
T- 7205	5 1/2	6 1/2	11/16	15	T- 7914	1.505	1.760	.280	45
T- 7206	3.400	4.377	1 1/4	30/R	T- 7915	1.245	1.522	.280	45
T- 7209	3.350	4.334	1.415		T- 7916	1.437	1.737	.300	45
T- 7210	3 5/8	4.6805	1 1/2	45	T- 7917	1.225	1.530	.342	45
T- 7211	5.190	7.093	2.397	30	T- 7924	1.450	1.712	.305	30
T- 7222	5 1/2	6 7/8	1 3/4	45	T- 7928	1.575	1.860	.305	45
T- 7223	5 1/2	6 5/8	11/16	45	T- 7929	1.288	1.530	.350	45
T- 7224	5 1/2	6 1/2	1	30/S	T- 7930	1.265	1.520	.300	45
T- 7230	5 5/8	7 5/16	1 7/8	45	T- 7931	1.060	1.245	.300	45
T- 7233	5 5/16	7.441	1.771	45	T- 7932	1.530	1.808	.330	45
T- 7272	15/16	1 7/8	1 3/16	45/R	T- 7933	1.410	1.737	.300	45
T- 7408	1.125	1.348	.200		T- 7934	1.265	1.542	.300	45
T- 7500	3 7/8	4 7/8	9/16	30	T- 7938	1 7/16	1.755	.310	45/R
T- 7530	6	7.010	3/4	45	T- 8000	.787	1.1025	.315	
T- 7531	6	7.255	3/4	45	T- 8002	.827	1.1425	.335	
T- 7535	6 1/2	7.682	.668	30/R	T- 8004	.866	1.1815	.335	
T- 7540	7	7.760	11/16	45	T- 8006	.906	1.2205	.335	
T- 7541	6 13/16	8	3/4	30	T- 8008	.945	1.2605	.335	
T- 7545	7.000	7.8795	1	45	T- 8010	.984	1.2995	.335	
T- 7546	7	8.010	3/4	45	T- 8012	1.024	1.3395	.335	
T- 7547	7	8.316	3/4	45	T- 8014	1.024	1.3785	.354	
T- 7550	7 1/2	8.508	3/4	45	T- 8016	1.063	1.4175	.354	
T- 7600	9 1/8	10.6275	1	30	T- 8017	1 1/16	1 9/16	5/16	
T- 7610	9 1/8	10.7535	1 1/8	30	T- 8018	1.102	1.4575	.354	
T- 7611	9 1/8	10 3/4	1	30	T- 8020	1.142	1.4965	.354	
T- 7612	9 1/8	10.800	1 1/8	30	T- 8022	1.181	1.5355	.354	
T- 7900	1.470	1.695	.312	45	T- 8024	1.181	1.5755	.374	
T- 7901	1.225	1.435	.312	45	T- 8026	1.221	1.6145	.374	
T- 7902	1 5/8	1.860	5/16	45	T- 8028	1.260	1.6545	.374	
T- 7903	1.325	1.570	.312	45	T- 8030	1.299	1.6935	.374	
T- 7904	1.450	1.735	.340	45	T- 8032	1.339	1.7325	.374	
T- 7905	1.215	1.500	.340	45	T- 8034	1.358	1.7725	.394	

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 8036	1.398	1.8115	.394		T- 8230	1 3/8	1.6925	.250	
T- 8038	1.437	1.8505	.394		T- 8232	1 7/16	1.7325	.250	
T- 8040	1.476	1.8905	.394		T- 8234	1 7/16	1.7725	.250	
T- 8042	1.516	1.9295	.394		T- 8236	1 1/2	1.8115	.250	
T- 8044	1.535	1.9695	.413		T- 8238	1.437	1.8505	.250	
T- 8046	1.575	2.0085	.413		T- 8240	1.476	1.8905	.250	
T- 8048	1.614	2.0475	.413		T- 8242	1.516	1.9295	.250	
T- 8050	1.654	2.0875	.413		T- 8244	1.535	1.9695	.250	
T- 8052	1.693	2.1265	.413		T- 8246	1.575	2.0085	.250	
T- 8054	1.732	2.1655	.433		T- 8248	1.614	2.0475	.250	
T- 8056	1.772	2.2055	.433		T- 8250	1.654	2.0875	.250	
T- 8058	1.811	2.2445	.433		T- 8252	1.693	2.1265	.250	
T- 8060	1.850	2.2845	.433		T- 8254	1.732	2.1655	.250	
T- 8062	1.890	2.3235	.433		T- 8256	1.772	2.2055	.250	
T- 8064	1.890	2.3625	.453		T- 8258	1.811	2.2445	.250	
T- 8066	1.929	2.4025	.453		T- 8260	1.850	2.2845	.250	
T- 8068	1.969	2.4415	.453		T- 8262	1.890	2.3235	.250	
T- 8070	2.008	2.4805	.453		T- 8264	1.890	2.3625	.250	
T- 8072	2.047	2.5205	.453		T- 8266	1.929	2.4025	.250	
T- 8074	2.087	2.5595	.453		T- 8268	1.969	2.4415	.250	
T- 8076	2.200	2.6775	.472		T- 8270	2.008	2.4805	.250	
T- 8078	2.244	2.7565	.472		T- 8272	2.047	2.5205	.250	
T- 8103	5/8	1 3/4	7/8	45/R	T- 8274	2.087	2.5595	.250	
T- 8104	5/8	1 3/4	7/8	45/R	T- 8276	2.200	2.6775	.250	
T- 8105	5/8	1.191	1 1/8	45	T- 8278	2.244	2.7565	.250	
T- 8200	.787	1.1025	.250		T- 8300	.787	1.1025	.312	
T- 8202	.827	1.1425	.250		T- 8302	.827	1.1425	.312	
T- 8204	.866	1.1815	.250		T- 8304	.866	1.1815	.312	
T- 8206	.906	1.2205	.250		T- 8306	.906	1.2205	.312	
T- 8208	.945	1.2605	.250		T- 8308	.945	1.2605	.312	
T- 8210	.984	1.2995	.250		T- 8310	.984	1.2995	.312	
T- 8212	1 1/8	1.3395	.250		T- 8312	1 1/8	1.3395	.312	
T- 8214	1 1/8	1.3785	.250		T- 8314	1 1/8	1.3785	.312	
T- 8216	1 3/16	1.4175	.250		T- 8316	1 3/16	1.4175	.312	
T- 8218	1 3/16	1.4575	.250		T- 8318	1 3/16	1.4575	.312	
T- 8220	1 3/16	1.4965	.250		T- 8320	1 3/16	1.4965	.312	
T- 8222	1 3/16	1.5355	.250		T- 8322	1 3/16	1.5355	.312	
T- 8224	1 5/16	1.5755	.250		T- 8324	1 5/16	1.5755	.312	
T- 8226	1 1/4	1.6145	.250		T- 8326	1 1/4	1.6145	.312	
T- 8228	1 5/16	1.6545	.250		T- 8328	1 5/16	1.6545	.312	

Valve Seat Listing By Part Number Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 8330	1 3/8	1.6925	.312		T- 9152	1	2.843	2.870	45
T- 8332	1 7/16	1.7325	.312		T- 9153	1 1/2	2.843	2.870	45
T- 8334	1 7/16	1.7725	.312		T- 9154	5/8	2 27/32	2	45
T- 8336	1 1/2	1.8115	.312		T- 9155	5/8	2 27/32	2	
T- 8338	1.437	1.8505	.312		T- 9156	1 1/2	1.875	2 5/8	45
T- 8340	1.476	1.8905	.312		T- 9160	1 1/2	1.875	15/16	45
T- 8342	1.516	1.9295	.312		T- 9301	1 1/4	3.3605	1 3/16	45/C
T- 8344	1.535	1.9695	.312		T- 9303	1 1/4	2.613	1	45/C
T- 8346	1.575	2.0085	.312		T- 9305	1	2.238	11/16	45/C
T- 8348	1.614	2.0475	.312		T- 9306	1	2.238	13/16	45/C
T- 8350	1.654	2.0875	.312		T- 9307	1 1/4	1.718	1 1/2	45
T- 8352	1.693	2.1265	.312		T- 9402	1 3/4	2.720	1 9/16	45
T- 8353	1.690	2.130	.410	45	T- 9408	1 3/8	2 27/32	1 1/2	45
T- 8354	1.732	2.1655	.312		T- 9409	1 5/16	2.720	1 5/8	45
T- 8356	1.772	2.2055	.312		T- 9415	.750	2.828	1 1/2	45
T- 8358	1.811	2.2445	.312		T- 9420	1.375	2.812	1 33/64	45
T- 8360	1.850	2.2845	.312		T- 9567	1 3/4	2.613	1.220	45/C
T- 8362	1.890	2.3235	.312		T- 9600	1.312	2.720	2 1/16	45
T- 8364	1.890	2.3625	.312		T- 9605	2	3.473	2 1/2	45
T- 8366	1.929	2.4025	.312		T- 9610	2	3.473	2 1/2	15
T- 8368	1.969	2.4415	.312		T-11600	1.345	1.600	.400	45
T- 8370	2.008	2.4805	.312		T-11610	1.390	1.650	.400	45
T- 8372	2.047	2.5205	.312		T-11620	1.745	2.000	.400	45
T- 8374	2.087	2.5595	.312		T-11630	1.593	2.000	.375	45/R
T- 8376	2.200	2.6775	.312		T-11640	1.815	2.100	.400	45
T- 8378	2.244	2.7565	.312		T-11650	1.947	2.250	.312	45/R
T- 8439	1.220	1.535	.335		T-11860	1	1.350	.406	
T- 8441	1.299	1.614	.335						
T- 8442	1.299	1.654	.335						
T- 8443	1.299	1.693	.335						
T- 8449	1.654	1.929	.315						
T- 8672	1.750	2.614	2.172	45/C					
T- 8678	1 3/4	2.614	2.437	45/C					
T- 8680	1.970	2.440	.450	45					
T- 8705	3.740	5.077	1	30/C					
T- 9101	5/8	1 7/8	1 3/16	45/R					
T- 9102	3/4	1 7/8	1 3/16	45/R					
T- 9130	1 5/16	2.1305	1.475	45					
T- 9150	5/8	2.843	2.870	45					
T- 9151	3/4	2.843	2.870	45					

Section IV

Valve Seat Listings

(By Inside Diameter)

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2320	5/8	.875	1/4	45	T- 694	.825	1 1/8	.285	0/R
T- 2303	5/8	.876	1/4	---	T- 8202	.827	1.1425	.250	
T- 2305	5/8	.881	1/4	---	T- 8302	.827	1.1425	.312	
T- 2301	5/8	1 1/8	1/4	45/R	T- 8002	.827	1.1425	.335	
T- 2304	5/8	1 1/8	1/4	45	T- 104	53/64	1 1/16	.275	45
T- 2321	5/8	1.132	1/4	---	T- 138	53/64	1 1/8	7/32	45/R
T- 8105	5/8	1.191	1 1/8	45	T- 2334	.830	1 1/8	.240	
T- 8103	5/8	1 3/4	7/8	45/R	T- 102	.850	1 1/16	3/16	45
T- 8104	5/8	1 3/4	7/8	45/R	T- 103	.850	1 1/8	3/16	45
T- 9101	5/8	1 7/8	1 3/16	45/R	T- 123	.854	1 1/8	.237	45
T- 9150	5/8	2.843	2.870	45	T- 125	55/64	1 1/8	7/32	---
T- 9154	5/8	2 27/32	2	45	T- 8204	.866	1.1815	.250	
T- 9155	5/8	2 27/32	2		T- 8304	.866	1.1815	.312	
T- 2307	.630	1.130	.250	45	T- 8004	.866	1.1815	.335	
T- 2306	.635	1.130	1/4	---	T- 165	.870	1 1/16	.195	45
T- 2344	21/32	1 1/8	1/4	45/R	T- 130	7/8	1 1/16	5/32	45
T- 108	3/4	31/32	9/64	45	T- 129	7/8	1 1/16	3/16	45
T- 107	3/4	31/32	7/32	45	T- 132	7/8	1.125	1/4	45
T- 110	3/4	1	3/16	45	T- 131	7/8	1 1/8	5/32	45
T- 111	3/4	1 1/16	3/16	45	T- 113	7/8	1 1/8	3/16	45
T- 144	3/4	1.079	5/16	45	T- 115	7/8	1 1/8	7/32	45
T- 2302	3/4	1 1/8	1/4	45/R	T- 163	7/8	1 1/8	7/32	30
T- 2308	3/4	1 1/8	1/4	45	T- 120	7/8	1 1/8	1/4	45
T- 9102	3/4	1 7/8	1 3/16	45/R	T- 101	7/8	1 1/8	5/16	45
T- 9415	.750	2.828	1 1/2	45	T- 141	7/8	1.132	7/32	45
T- 9151	3/4	2.843	2.870	45	T- 175	7/8	1 3/16	7/32	45
T- 133	25/32	1 1/16	3/16	45	T- 2340	7/8	1 3/16	1/4	45
T- 164	25/32	1 1/16	1/4	45	T- 105	7/8	1 1/4	3/16	45
T- 139	25/32	1 1/8	7/32	45/R	T- 2330	7/8	1 1/4	1/4	---
T- 114	.785	1.070	.250	15/R	T- 2347	7/8	1 3/8	11/32	45
T- 8200	.787	1.1025	.250		T- 145	7/8	1.876	1 1/4	45/R
T- 8300	.787	1.1025	.312		T- 2361	.880	1 3/16	.280	45
T- 8000	.787	1.1025	.315		T- 752	.890	1.068	3/16	
T- 3325	.790	1.0495	1/4		T- 2349	.890	1.132	.237	45/R
T- 136	.790	1 1/16	.254	45	T- 753	.900	1 1/8	.325	45
T- 155	.790	1.069	.260	0/R	T- 2341	.905	1 3/16	.257	45
T- 134	.790	1.115	.320	45	T- 142	.905	1 1/4	.230	45/R
T- 2337	13/16	1	3/16	45	T- 8206	.906	1.2205	.250	
T- 2338	13/16	1 1/16	3/16	45	T- 8306	.906	1.2205	.312	
T- 2336	13/16	1 1/8	3/16	45	T- 8006	.906	1.2205	.335	

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 140	29/32	1 3/16	5/32	45	T- 284	.975	1 5/16	.271	30/R
T- 2331	29/32	1 1/4	5/16		T- 161	.975	1.319	.280	
T- 146	.910	1 1/8	.236	45/R	T- 2365	.976	1.257	.180	
T- 2345	.910	1.161	.222	30/R	T- 117	.980	1.277	11/32	45
T- 2360	.910	1.181	.222	30/R	T- 353	.980	1 5/16	.293	45/R
T- 450	.910	1 1/4	9/32	45/R	T- 487	.980	1.342	11/32	45
T- 427	.910	1.257	.285		T- 674	.982	1.257	.212	0/R
T- 2351	.910	1 1/4	.285	45/R	T- 693	.982	1.257	.329	
T- 2350	59/64	1 5/32	7/32	30/R	T- 126	.984	1.265	.318	45
T- 2504	.930	1 1/4	.325		T- 8210	.984	1.2995	.250	
T- 137	.934	1 3/16	.257	45/R	T- 8310	.984	1.2995	.312	
T- 2506	.934	1.2514	.218	45	T- 8010	.984	1.2995	.335	
T- 112	.934	1.373	5/16	45	T- 201	1	1 3/16	3/16	45
T- 121	15/16	1 1/8	3/16	45	T- 202	1	1 3/16	7/32	45
T- 135	15/16	1 1/8	7/32	45	T- 196	1	1 3/16	1/4	45
T- 106	15/16	1 1/8	1/4	45	T- 210	1	1.194	5/32	---
T- 2346	15/16	1 1/8	5/16	45	T- 266	1	1.194	3/8	---
T- 2343	15/16	1 3/16	9/64	45	T- 152	1	1.252	1	45/R
T- 109	15/16	1 3/16	3/16	45	T- 1986	1	1 1/4	5/32	45
T- 2342	15/16	1 3/16	1/4	45	T- 204	1	1 1/4	3/16	45
T- 2348	15/16	1 3/16	.235	45	T- 205	1	1 1/4	7/32	45
T- 2332	15/16	1 1/4	3/16		T- 206	1	1 1/4	1/4	45
T- 2394	15/16	1 1/4	7/32		T- 2333	1	1 1/4	5/16	45
T- 143	15/16	1 5/16	1/4	45/R	T- 153	1	1 1/4	.360	45
T- 448	15/16	1 5/16	.300	45/R	T- 154	1	1 1/4	3/8	45°
T- 116	15/16	1 3/8	5/16	45	T- 151	1	1 1/4	1/2	---
T- 148	15/16	1.516	13/32	45	T- 150	1	1 1/4	1	---
T- 7272	15/16	1 7/8	1 3/16	45/R	T- 2475	1	1 1/4	.305	45
T- 595	.945	1.209	.276	45/R	T- 203	1	1.264	.271	30/R
T- 8208	.945	1.2605	.250		T- 292	1	1.275	1/4	30/R
T- 8308	.945	1.2605	.312		T- 208	1	1 5/16	3/16	45
T- 8008	.945	1.2605	.335		T- 190	1	1 5/16	7/32	45
T- 581	.945	1 3/8	.296	45	T- 245	1	1 5/16	1/4	45
T- 2505	.955	1 1/4	.255	45	T- 197	1	1 5/16	5/16	45
T- 470	.965	1 1/4	1/4	45/R	T-11860	1	1.350	.406	
T- 566	.965	1 5/16	.235	45/R	T- 207	1	1 3/8	3/16	45
T- 162	.970	1.257	.270	---	T- 297	1	1 3/8	1/4	45
T- 283	.975	1.262	1/4	30/R	T- 622	1	1 3/8	11/32	45
T- 290	.975	1.264	.271	30/R	T- 442	1	1 3/8	13/32	45/R
T- 293	.975	1 5/16	1/4	30/R	T- 667	1	1 3/8	9/32	

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2407	1	1 7/16	3/16	45	T- 2364	1.057	1.382	.240	45/R
T- 2402	1	1 7/16	1/4	45	T- 7931	1.060	1.245	.300	45
T- 2413	1	1 7/16	5/16	45	T- 362	1.060	1 5/16	.240	45/R
T- 209	1	1 1/2	13/32	30	T- 191	1.060	1 5/16	.280	45/R
T- 273	1	1 9/16	21/64	45	T- 385	1.060	1 3/8	.280	45/R
T- 2485	1	1 5/8	3/8	45	T- 596	1 1/16	1 7/32	.256	45
T- 2490	1	1.8565	1.1325	45/R	T- 754	1 1/16	1 1/4	7/32	45
T- 9305	1	2.238	11/16	45/C	T- 637	1 1/16	1 1/4	1/4	45
T- 9306	1	2.238	13/16	45/C	T- 214	1 1/16	1 5/16	3/16	45
T- 9152	1	2.843	2.870	45	T- 559	1 1/16	1 5/16	.215	45/R
T- 5178	1	2.988	2.060	45/C	T- 213	1 1/16	1 5/16	7/32	45
T- 160	1.005	1.237	.250	20/R	T- 195	1 1/16	1 5/16	1/4	45
T- 534	1.010	1 1/4	.257	45/R	T- 580	1 1/16	1 5/16	5/16	45
T- 360	1.020	1 5/16	.240	45/R	T- 434	1 1/16	1 5/16	3/8	45
T- 2868	1.020	1 5/16	.258	45	T- 390	1 1/16	1 5/16	1/4	45/R
T- 128	1.020	1.344	.332	45	T- 655	1 1/16	1 5/16	9/32	45
T- 691	1.023	1 1/4	.273	45/R	T- 215	1 1/16	1.340	.200	45
T- 623	1.024	1 1/4	.257	45	T- 488	1 1/16	1.342	11/32	45
T- 8012	1.024	1.3395	.335		T- 1567	1 1/16	1.352	21/64	45/R
T- 8014	1.024	1.3785	.354		T- 1565	1 1/16	1.362	21/64	45
T- 583	1.024	1 1/2	.296	45	T- 2501	1 1/16	1.362	3/8	45
T- 575	1.025	1 3/16	.234	45/R	T- 217	1 1/16	1 3/8	3/16	45
T- 286	1.025	1 11/32	11/32	45	T- 219	1 1/16	1 3/8	7/32	45
T- 643	1.025	1.352	21/64	45	T- 499	1 1/16	1 3/8	1/4	45
T- 644	1.025	1 3/8	21/64	45	T- 1995	1 1/16	1 3/8	5/16	45
T- 639	1.025	1 3/8	11/32	45/R	T- 2092	1 1/16	1 3/8	21/64	45/R
T- 558	1.025	1 3/8	.230	45/R	T- 2016	1 1/16	1 3/8	3/8	45
T- 641	1.025	1.411	11/32	45	T- 734	1 1/16	1 7/16	5/16	---
T- 642	1.025	1 7/16	11/32	45	T- 218	1 1/16	1 7/16	3/16	45
T- 679	1.030	1 1/4	.215	45	T- 609	1 1/16	1 7/16	7/32	45
T- 1510	1.030	1.300	.250	45	T- 670	1 1/16	1 7/16	9/32	
T- 211	1 1/32	1 9/32	1/4	45	T- 582	1 1/16	1 7/16	.325	45/R
T- 2322	1 1/32	1 5/16	1/4	45/R	T- 584	1 1/16	1 1/2	.296	45
T- 550	1 1/32	1 5/16	5/32	45	T- 700	1 1/16	1 1/2	5/16	
T- 633	1 1/32	1 5/16	1/4	45	T- 594	1 1/16	1.524	.276	45/R
T- 147	1.042	1 5/16	.238	45	T- 8017	1 1/16	1 9/16	5/16	
T- 533	1.044	1 5/16	.273	45	T- 745	1 1/16	1 9/16	3/8	45
T- 671	1.045	1 5/16	5/16	45/R	T- 8016	1.063	1.4175	.354	
T- 570	1.045	1 5/16	5/16	45	T- 561	1.065	1 3/8	.203	45/R
T- 212	1 3/64	1.259	.271	30	T- 437	1.070	1 5/16	.330	45/R

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 690	1.070	1.350	.304	45	T- 124	1.120	1.269	.332	45
T- 7911	1.075	1.377	.310	45	T- 127	1.120	1.344	.332	45
T- 551	1 5/64	1 5/16	7/32	45	T- 1876	1 1/8	1 5/16	3/16	45
T- 568	1 5/64	1.365	23/64	45	T- 2313	1 1/8	1 5/16	7/32	45
T- 636	1.080	1 5/16	1/4	45/R	T- 751	1 1/8	1.321	3/16	45
T- 547	1.085	1 3/8	.236	45/R	T- 8212	1 1/8	1.3395	.250	
T- 347	1.086	1 5/16	.305	45/R	T- 8312	1 1/8	1.3395	.312	
T- 522	1.086	1 5/16	.305	45	T- 7408	1.125	1.348	.200	
T- 392	1.087	1 5/16	.214	45/R	T- 221	1 1/8	1 11/32	1/4	45
T- 177	1.093	1.348	.217	30	T- 8214	1 1/8	1.3785	.250	
T- 258	1 3/32	1 9/32	1/4	45	T- 8314	1 1/8	1.3785	.312	
T- 262	1 3/32	1 5/16	13/64	45	T- 222	1 1/8	1 3/8	3/16	45
T- 2312	1 3/32	1 5/16	7/32	45	T- 223	1 1/8	1 3/8	7/32	45
T- 220	1 3/32	1 11/32	13/64	45	T- 398	1 1/8	1 3/8	7/32	45/R
T- 257	1 3/32	1 3/8	3/16	45	T- 225	1 1/8	1 3/8	1/4	45
T- 569	1 3/32	1 3/8	13/64	45	T- 224	1 1/8	1 3/8	17/64	45
T- 298	1 3/32	1 3/8	7/32	45	T- 572	1 1/8	1 3/8	9/32	45
T- 176	1 3/32	1 13/32	7/32	30	T- 520	1 1/8	1 3/8	3/8	
T- 192	1 3/32	1.414	5/16	45	T- 562	1 1/8	1 3/8	9/32	45/R
T- 1568	1 3/32	1 7/16	1/4	45	T- 654	1 1/8	1 3/8	.305	45/R
T- 2517	1 3/32	1 7/16	.354	45	T- 524	1 1/8	1 3/8	.325	45
T- 2519	1 3/32	1.457	.354		T- 200	1 1/8	1.390	11/32	45
T- 2515	1 3/32	1.461	.320	45/R	T- 281	1 1/8	1 13/32	1/4	---
T- 2516	1 3/32	1 1/2	.320	45/R	T- 282	1 1/8	1 13/32	1/4	15/R
T- 2894	1.100	1.375	.227	30	T- 226	1 1/8	1 7/16	3/16	45
T- 2895	1.100	1.375	.227	45	T- 227	1 1/8	1 7/16	7/32	45
T- 535	1.100	1 7/16	.227	45/R	T- 228	1 1/8	1 7/16	1/4	45
T- 342	1.100	1 7/16	.240	45/R	T- 229	1 1/8	1 7/16	5/16	45
T- 352	1.100	1 7/16	.293	45/R	T- 2528	1 1/8	1 7/16	5/16	45/R
T- 366	1.100	1.444	5/16		T- 2523	1 1/8	1 7/16	.358	45
T- 194	1.100	1 7/16	.315	45/R	T- 521	1 1/8	1 7/16	1/4	45/R
T- 586	1.102	1.378	.355	45/R	T- 2525	1 1/8	1 7/16	.300	45
T- 625	1.102	1 3/8	.260	45	T- 544	1.105	1 7/16	.322	45
T- 733	1.102	1.457	.354	45	T- 2437	1 1/8	1 7/16	.257	45
T- 8018	1.102	1.4575	.354		T- 384	1 1/8	1.444	13/32	45
T- 511	1.103	1.339	.355	45	T- 8020	1.142	1.4965	.354	
T- 515	1.103	1 1/2	1/4	---	T- 230	1 1/8	1 1/2	3/16	45
T- 456	1.107	1 3/8	.253	45/R	T- 231	1 1/8	1 1/2	7/32	45
T- 474	1.110	1 7/16	.215	45/R	T- 241	1 1/8	1 1/2	1/4	45
T- 2083	1.112	1 3/8	11/32	45/R	T- 491	1 1/8	1 1/2	1/4	45/R

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2522	1 1/8	1 1/2	5/16		T- 675	1.170	1.569	.267	
T- 2518	1 1/8	1 1/2	.316	45/R	T- 599	1 11/64	1 7/16	1/4	45
T- 646	1 1/8	1 1/2	11/32	45/R	T- 638	1.172	1 3/8	1/4	45/R
T- 513	1 1/8	1 1/2	3/8	45	T- 678	1.175	1 7/16	.260	45
T- 269	1 1/8	1 9/16	7/32	45	T- 149	1.175	1 1/2	.236	45/R
T- 232	1 1/8	1 9/16	1/4	45	T- 494	1.177	1.540	.318	45/R
T- 2532	1 1/8	1 9/16	5/16		T- 546	1.179	1 1/2	.293	45/R
T- 1578	1 1/8	1 9/16	3/8	45	T- 541	1.180	1 1/2	.300	45/R
T- 2531	1 1/8	1 9/16	5/16	45/R	T- 539	1.181	1 7/16	.280	45/R
T- 2524	1 1/8	1.6145	.394	---	T- 587	1.181	1.453	.213	45/R
T- 2530	1 1/8	1 5/8	11/32	45	T- 741	1.181	1.535	.354	45
T- 2156	1.130	1.382	.304	45	T- 8022	1.181	1.5355	.354	
T- 2075	1.135	1 7/16	.316	45/R	T- 462	1.181	1 9/16	.315	45
T- 346	1.140	1 7/16	.305	45/R	T- 8024	1.181	1.5755	.374	
T- 2090	1.140	1 1/2	9/32	45/R	T- 463	1.181	1 11/16	.315	45/R
T- 2358	1 9/64	1.425	.284		T- 529	1.182	1 1/2	.275	45/R
T- 2359	1 9/64	1.433	.284		T- 589	1.183	1.418	.177	45/R
T- 1916	1 9/64	1.492	.317	45	T- 383	1.185	1 7/16	.304	45/R
T- 447	1 9/64	1 1/2	23/64	45/R	T- 597	1 3/16	1 3/8	3/16	
T- 449	1 9/64	1 1/2	21/64	45/R	T- 158	1 3/16	1 3/8	7/32	45
T- 692	1.142	1 7/16	.336	45/R	T- 750	1 3/16	1 3/8	1/4	
T- 2356	1.142	1 9/16	.296	45	T- 492	1 3/16	1 3/8	5/16	45
T- 695	1.150	1.380	.265	0/R	T- 8216	1 3/16	1.4175	.250	
T- 2357	1.154	1.318	.256	45	T- 8316	1 3/16	1.4175	.312	
T- 2909	1 5/32	1 13/32	3/16	45	T- 248	1 3/16	1 27/64	3/16	45
T- 233	1 5/32	1 13/32	7/32	45	T- 236	1 3/16	1 7/16	5/32	45
T- 260	1 5/32	1.432	5/32	30	T- 237	1 3/16	1 7/16	3/16	30
T- 261	1 5/32	1.432	7/32	30	T- 645	1 3/16	1 7/16	3/16	45
T- 234	1 5/32	1 7/16	5/32	30	T- 238	1 3/16	1 7/16	7/32	30
T- 235	1 5/32	1 7/16	11/64	30	T- 239	1 3/16	1 7/16	7/32	45
T- 2355	1 5/32	1 7/16	1/4	30/R	T- 240	1 3/16	1 7/16	1/4	45
T- 2545	1 5/32	1 7/16	1/4	30	T- 1657	1 3/16	1 7/16	5/16	45
T- 441	1 5/32	1 7/16	13/32	45/R	T- 1571	1 3/16	1 7/16	11/32	45/R
T- 189	1 5/32	1 1/2	7/32	30	T- 1572	1 3/16	1 7/16	3/8	
T- 600	1.157	1.382	.303	45	T- 1685	1 3/16	1 7/16	1/4	45/R
T- 658	1.162	1 7/16	.230	45	T- 8218	1 3/16	1.4575	.250	
T- 565	1.162	1 7/16	.310	45	T- 8318	1 3/16	1.4575	.312	
T- 673	1.162	1.444	.214	0/R	T- 1564	1 3/16	1.460	19/64	45
T- 683	1.165	1 3/8	.310	45	T- 1569	1 3/16	1.469	5/16	45/R
T- 635	1.166	1 7/16	1/4	45/R	T- 1566	1 3/16	1.479	5/16	45/R

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1563	1 3/16	1.480	19/64	-/R	T- 285	1 13/64	1.438	.215	30
T- 8220	1 3/16	1.4965	.250		T- 249	1 13/64	1 7/16	7/32	30/R
T- 8320	1 3/16	1.4965	.312		T- 460	1 13/64	1.681	5/16	45
T- 337	1 3/16	1 1/2	5/32	45	T- 461	1 13/64	1 3/4	5/16	45
T- 253	1 3/16	1 1/2	3/16	45	T- 467	1 13/64	1 3/4	3/8	45
T- 243	1 3/16	1 1/2	7/32	45	T- 681	1.210	1.449	.345	45/R
T- 244	1 3/16	1 1/2	1/4	45	T- 471	1.210	1.456	.345	45/R
T- 368	1 3/16	1 1/2	.304	45/R	T- 416	1 3/16	1 1/2	.305	45/R
T- 486	1 3/16	1 1/2	5/16	45	T- 469	1.210	1 1/2	.325	45/R
T- 640	1 3/16	1 1/2	5/16	45/R	T- 351	1.210	1 1/2	.345	45/R
T- 687	1 3/16	1 1/2	3/8	45	T- 2510	1.215	1.4595	.312	30
T- 364	1 3/16	1 1/2	.215	45/R	T- 7905	1.215	1.500	.340	45
T- 8222	1 3/16	1.5355	.250		T- 2148	1.215	1.506	.318	
T- 8322	1 3/16	1.5355	.312		T- 548	1.215	1 1/2	.275	45/R
T- 291	1 3/16	1.538	15/64	45	T- 252	1 7/32	1.409	5/16	---
T- 296	1 3/16	1.538	5/16	45/R	T- 274	1 7/32	1 27/64	1/4	45
T- 246	1 3/16	1 9/16	7/32	45	T- 251	1 7/32	1 7/16	3/16	45
T- 198	1 3/16	1 9/16	1/4	45/R	T- 370	1 7/32	1 7/16	7/32	45
T- 553	1 3/16	1 9/16	1/4	---	T- 785	1 7/32	1 7/16	1/4	
T- 247	1 3/16	1 9/16	5/16	30	T- 1870	1 7/32	1 7/16	11/32	45
T- 2081	1 3/16	1 9/16	5/16	---	T- 1878	1 7/32	1 7/16	11/32	30/R
T- 193	1 3/16	1 9/16	3/8	45	T- 279	1 7/32	1.444	1/4	45
T- 531	1 3/16	1 9/16	.305	45/R	T- 254	1 7/32	1.454	1/4	45
T- 294	1 3/16	1.572	5/16	45	T- 255	1 7/32	1.463	1/4	45
T- 159	1 3/16	1.575	3/8	--	T- 119	1 7/32	1.463	.333	45/R
T- 242	1 3/16	1 5/8	7/32	45	T- 725	1 7/32	1 1/2	11/32	45
T- 1853	1 3/16	1 5/8	3/8	45	T- 732	1 7/32	1 1/2	3/16	
T- 359	1.190	1 1/2	.240	45/R	T- 358	1 7/32	1 1/2	7/32	45
T- 436	1.190	1 1/2	.330	45/R	T- 400	1 7/32	1 1/2	7/32	45/R
T- 478	1.190	1 9/16	.315	45/R	T- 256	1 7/32	1 1/2	1/4	45
T- 518	1.200	1 7/16	.297	45	T- 677	1 7/32	1 1/2	5/16	45
T- 2459	1.200	1.459	.217		T- 530	1 7/32	1 1/2	9/32	45
T- 545	1.200	1 9/16	7/32	45	T- 731	1 7/32	1 9/16	.355	45/R
T- 549	1.200	1 9/16	.293	45/R	T- 517	1 7/32	1 9/16	1/4	---
T- 616	1.201	1 1/2	5/16	45	T- 516	1 7/32	1 9/16	.295	---
T- 458	1.203	1 1/2	.277	45/R	T- 500	1 7/32	1 9/16	.300	45/R
T- 339	1.203	1 1/2	.280	45/R	T- 740	1 7/32	1 9/16	5/16	45
T- 563	1.203	1 1/2	.283	45	T- 744	1 7/32	1 9/16	.355	45
T- 287	1 13/64	1 7/16	.215	30	T- 573	1 7/32	1.588	.316	-/R
T- 250	1 13/64	1.447	3/16	45	T- 574	1 7/32	1 11/16	.316	-/R

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2309	1 7/32	1.7325	.394	---	T- 1785	1 1/4	1 1/2	5/16	---
T- 542	1.219	1 9/16	.317	45	T- 1871	1 1/4	1 1/2	11/32	45
T- 7907	1.220	1.455	.350	45	T- 1879	1 1/4	1 1/2	11/32	30/R
T- 532	1.220	1.5065	.350	---	T- 1064	1 1/4	1 1/2	3/8	
T- 387	1.220	1 1/2	.310	45/R	T- 1500	1 1/4	1.509	7/32	45
T- 476	1.220	1 1/2	.315	45/R	T- 1074	1 1/4	1 33/64	1/4	45
T- 8439	1.220	1.535	.335		T- 2354	1 1/4	1.536	.358	45
T- 497	1.220	1 9/16	.344	45/R	T- 2362	1 1/4	1.536	.358	45/R
T- 1562	1.220	1.579	.344	45/R	T- 782	1 1/4	1.555	1/4	45
T- 8026	1.221	1.6145	.374		T- 783	1 1/4	1.555	1/4	30
T- 2068	1.221	1 11/16	.296	45	T- 356	1 1/4	1 9/16	5/32	45
T- 7901	1.225	1.435	.312	45	T- 275	1 1/4	1 9/16	3/16	30
T- 7917	1.225	1.530	.342	45	T- 276	1 1/4	1 9/16	3/16	45
T- 1985	1.225	1.568	.320	45/R	T- 277	1 1/4	1 9/16	7/32	30
T- 472	1.230	1 7/16	.250	45/R	T- 924	1 1/4	1 9/16	7/32	45
T- 2391	1.230	1.569	.278		T- 267	1 1/4	1 9/16	.240	30/R
T- 259	1 15/64	1.572	7/32	45	T- 278	1 1/4	1 9/16	1/4	45
T- 2383	1.236	1.4605	.236		T- 651	1 1/4	1 9/16	1/4	45/R
T- 7915	1.245	1.522	.280	45	T- 908	1 1/4	1 9/16	.260	30/R
T- 263	1 1/4	1 27/64	1/4	45	T- 864	1 1/4	1 9/16	9/32	45
T- 336	1 1/4	1.428	1/4	45/R	T- 1022	1 1/4	1 9/16	9/32	30/R
T- 1688	1 1/4	1 7/16	3/16	45	T- 909	1 1/4	1 9/16	5/16	30
T- 264	1 1/4	1 7/16	7/32	45	T- 910	1 1/4	1 9/16	5/16	45
T- 265	1 1/4	1 7/16	1/4	45	T- 1053	1 1/4	1 9/16	11/32	
T- 1055	1 1/4	1 7/16	1/4	30	T- 1007	1 1/4	1 9/16	3/8	
T- 2381	1 1/4	1 7/16	.318	45	T- 650	1 1/4	1 9/16	.230	45/R
T- 567	1 1/4	1.444	3/8	---	T- 579	1 1/4	1 9/16	.319	45/R
T- 388	1 1/4	1.488	.398	30/R	T- 443	1 1/4	1 9/16	23/64	45/R
T- 268	1 1/4	1 31/64	5/16	45	T- 680	1 1/4	1.569	.325	
T- 2792	1 1/4	1.4925	.209	45	T- 446	1 1/4	1.570	.354	
T- 1883	1 1/4	1.497	13/32	45	T- 918	1 1/4	1 37/64	3/8	45/R
T- 2380	1 1/4	1.502	.205	45	T- 8226	1 1/4	1.6145	.250	
T- 157	1 1/4	1 1/2	5/32	45	T- 8326	1 1/4	1.6145	.312	
T- 270	1 1/4	1 1/2	3/16	45	T- 911	1 1/4	1 5/8	7/32	45
T- 271	1 1/4	1 1/2	7/32	45	T- 912	1 1/4	1 5/8	1/4	45
T- 288	1 1/4	1 1/2	7/32	45/R	T- 913	1 1/4	1 5/8	5/16	45
T- 1075	1 1/4	1 1/2	.230		T- 923	1 1/4	1 5/8	5/16	45/R
T- 272	1 1/4	1 1/2	1/4	45	T- 1062	1 1/4	1 5/8	5/16	45PA
T- 1077	1 1/4	1 1/2	9/32	45	T- 1852	1 1/4	1 5/8	11/32	30
T- 1070	1 1/4	1 1/2	.296	45	T- 2019	1 1/4	1 5/8	23/64	45/R

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1059	1 1/4	1 5/8	3/8		T- 295	1 17/64	1 1/2	1/4	45
T- 1929	1 1/4	1 5/8	3/8	45/C	T- 1534	1.268	1.599	5/16	45
T- 1037	1 1/4	1 5/8	.450	45	T- 375	1.270	1.486	.290	45
T- 418	1 1/4	1 5/8	.303	45/R	T- 439	1.275	1 1/2	1/4	45/R
T- 889	1 1/4	1.632	5/16		T- 1532	1.275	1 9/16	.258	45/R
T- 1086	1 1/4	1 5/8	.293	45/R	T- 1529	1.275	1 5/8	.315	45/R
T- 685	1 1/4	1.634	.394		T- 2977	1.280	1.555	.238	30/R
T- 1054	1 1/4	1.653	3/8		T- 2797	1.280	1.650	.350	
T- 2681	1 1/4	1.681	3/8	45	T- 1084	1.280	1.657	.375	45/R
T- 926	1 1/4	1.690	3/8	---	T- 2480	1 9/32	1.480	1/4	45
T- 1934	1 1/4	1.690	3/8	45/C	T- 429	1 9/32	1 1/2	1/4	45
T- 2465	1 1/4	1 11/16	7/32	45	T- 920	1 9/32	1 33/64	1/4	45
T- 914	1 1/4	1 11/16	1/4	45	T- 921	1 9/32	1 9/16	7/32	45
T- 2467	1 1/4	1 11/16	5/16	45	T- 922	1 9/32	1 5/8	5/16	45/R
T- 9307	1 1/4	1.718	1 1/2	45	T- 2799	1 9/32	1.6825	.375	
T- 915	1 1/4	1 3/4	1/4	45	T- 917	1 9/32	1 11/16	5/16	45/R
T- 2695	1 1/4	1 3/4	5/16	45	T- 2822	1 9/32	1 7/8	1/2	45
T- 1072	1 1/4	2.1275	9/16	20	T- 7929	1.288	1.530	.350	45
T- 1049	1 1/4	2.128	9/16	30	T- 1027	1.290	1 9/16	.324	45/R
T- 1073	1 1/4	2.1295	9/16	20	T- 779	1.295	1 1/2	.262	45
T- 9303	1 1/4	2.613	1	45/C	T- 927	1 19/64	1.516	1/4	45
T- 9301	1 1/4	3.3605	1 3/16	45/C	T- 280	1 19/64	1 9/16	.260	30/R
T- 1023	1.255	1 1/2	.318	45	T- 665	1.297	1.5395	.275	45
T- 978	1.255	1 5/8	5/8	45	T- 878	1.298	1.630	.345	45/R
T- 1069	1.255	1.6305	.625	45	T- 8441	1.299	1.614	.335	
T- 585	1.260	1.496	.355	45/R	T- 8442	1.299	1.654	.335	
T- 361	1.260	1 1/2	.240	45/R	T- 8443	1.299	1.693	.335	
T- 560	1.260	1 9/16	.233	45/R	T- 893	1.299	1.693	.374	45
T- 354	1.260	1 9/16	.280	45/R	T- 8030	1.299	1.6935	.374	
T- 1056	1.260	1 5/8	.292	45	T- 523	1.300	1 9/16	5/16	45/R
T- 2938	1.260	1.632	.395	45/R	T- 7909	1.300	1.575	.330	45
T- 854	1.260	1.654	.374	45	T- 7910	1.300	1.580	.275	45
T- 8028	1.260	1.6545	.374		T- 883	1.300	1.626	3/8	45
T- 7913	1.263	1.482	.310	45	T- 556	1.300	1 5/8	.354	45
T- 484	1.265	1 1/2	11/32	45/R	T- 884	1.300	1.634	3/8	45
T- 7930	1.265	1.520	.300	45	T- 885	1.300	1.654	.374	45
T- 7934	1.265	1.542	.300	45	T- 882	1.300	1 11/16	.296	45
T- 1996	1 17/64	1 1/2	.290	---	T- 886	1.300	1 11/16	5/16	45/R
T- 1984	1 17/64	1 9/16	.208	45	T- 382	1.300	1 11/16	.362	45/R
T- 348	1 17/64	1 1/2	7/32	45	T- 2982	1.301	1.555	.193	45/R

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 877	1.305	1 5/8	.227	45/R	T- 919	1 5/16	1 5/8	5/16	45
T- 880	1.305	1 11/16	.405	45/R	T- 1512	1 5/16	1 5/8	.395	45
T- 2382	1.306	1.593	.224		T- 1047	1 5/16	1 5/8	.276	45/R
T- 482	1.307	1 1/2	11/32	30/R	T- 483	1 5/16	1 5/8	11/32	45/R
T- 3736	1.312	1.680	.315	20	T- 122	1 5/16	1.632	7/16	---
T- 3732	1.312	1.687	.315	20/R	T- 118	1 5/16	1.639	3/8	45
T- 9600	1.312	2.720	2 1/16	45	T- 8228	1 5/16	1.6545	.250	
T- 874	1 5/16	1 1/2	3/16	45	T- 8328	1 5/16	1.6545	.312	
T- 875	1 5/16	1 1/2	7/32	45	T- 879	1 5/16	1.657	.395	45/R
T- 887	1 5/16	1 1/2	7/32	45/R	T- 876	1 5/16	1.672	7/32	30
T- 2560	1 5/16	1 1/2	1/4	45	T- 2961	1 5/16	1.6895	.250	47
T- 2561	1 5/16	1 1/2	1/4	45/R	T- 937	1 5/16	1 11/16	7/32	45
T- 989	1 5/16	1.539	.315	45	T- 838	1 5/16	1 11/16	.236	45
T- 898	1 5/16	1.544	7/32	45	T- 904	1 5/16	1 11/16	1/4	45/R
T- 900	1 5/16	1 9/16	3/16	45	T- 938	1 5/16	1 11/16	1/4	45
T- 928	1 5/16	1 9/16	7/32	30	T- 925	1 5/16	1 11/16	5/16	45
T- 929	1 5/16	1 9/16	7/32	45	T- 1039	1 5/16	1 11/16	3/8	45
T- 964	1 5/16	1 9/16	7/32	45/R	T- 1514	1 5/16	1.701	5/16	30
T- 939	1 5/16	1 9/16	1/4	45	T- 2035	1 5/16	1.713	5/16	45
T- 990	1 5/16	1 9/16	1/4	45/R	T- 2962	1 5/16	1.7195	.250	47
T- 903	1 5/16	1 9/16	5/16	45	T- 1521	1 5/16	1.726	3/8	45/R
T- 756	1 5/16	1 9/16	3/8	45	T- 906	1 5/16	1 3/4	7/32	45
T- 1013	1 5/16	1.569	.345	45	T- 905	1 5/16	1 3/4	1/4	45
T- 974	1 5/16	1.569	9/32	45	T- 1874	1 5/16	1 3/4	5/16	45
T- 979	1 5/16	1.569	.335	45/R	T- 2565	1 5/16	1 3/4	3/8	45
T- 930	1 5/16	1.574	7/32	45	T- 2640	1 5/16	1 3/4	7/16	45
T- 8224	1 5/16	1.5755	.250		T- 2564	1 5/16	1.756	.362	45
T- 8324	1 5/16	1.5755	.312		T- 760	1 5/16	1.7605	.256	
T- 931	1 5/16	1.578	1/4	45	T- 2648	1 5/16	1 13/16	5/16	45
T- 1014	1 5/16	1.578	3/8	45	T- 2566	1 5/16	1 13/16	3/8	45
T- 932	1 5/16	1 37/64	1/4	45	T- 9130	1 5/16	2.1305	1.475	45
T- 2384	1 5/16	1.584	1/4	30	T- 9409	1 5/16	2.720	1 5/8	45
T- 933	1 5/16	1.589	1/4	45	T- 543	1.320	1 5/8	.300	45
T- 897	1 5/16	1 19/32	9/32	45	T- 338	1.323	1 3/4	.280	45/R
T- 895	1 5/16	1.601	1/4	45	T- 7903	1.325	1.570	.312	45
T- 607	1 5/16	1.6195	.335	45	T- 2929	1.328	1 9/16	7/32	45/R
T- 490	1 5/16	1 5/8	3/16	45	T- 2073	1.328	1 11/16	.297	45
T- 934	1 5/16	1 5/8	7/32	45	T- 1509	1 21/64	1.631	5/16	45
T- 935	1 5/16	1 5/8	1/4	45	T- 2053	1 21/64	1 11/16	1/4	---
T- 936	1 5/16	1 5/8	9/32	45	T- 2863	1.329	1 5/8	9/32	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2069	1.330	1 5/8	.379	45/R	T- 606	1 11/32	1.694	1/4	45/R
T- 1840	1.333	1.626	3/8	45	T- 2474	1 11/32	1 11/16	.315	45
T- 2866	1.333	1 5/8	.315	45/R	T- 1491	1 11/32	1.6955	1/4	
T- 1869	1.333	1.755	3/8	45	T- 1173	1 11/32	1.722	.265	---
T- 2418	1.335	1.577	.219	30/R	T- 617	1 11/32	1 3/4	5/16	45
T- 341	1.335	1 5/8	.240	45/R	T- 501	1 11/32	1 3/4	3/8	45
T- 577	1.335	1 5/8	.420	45/R	T-11600	1.345	1.600	.400	45
T- 528	1.335	1 11/16	.275	45/R	T- 2146	1.345	1.649	.250	45/R
T- 564	1.338	1 11/16	.309	45/R	T- 468	1.345	1 11/16	.325	45/R
T- 1132	1.339	1.732	.374	45	T- 454	1.348	1 5/8	.365	45
T- 8032	1.339	1.7325	.374		T- 2056	1.350	1 13/16	.338	30
T- 1043	1.339	1 7/8	.276	45	T- 1171	1.357	1.722	.265	45/R
T- 396	1.340	1 9/16	7/32	45/R	T- 1172	1.358	1.772	.394	45
T- 2983	1.340	1.600	.300	45	T- 8034	1.358	1.7725	.394	
T- 1894	1.343	1.6285	.365	45/R	T- 2144	1.358	1.777	.394	45
T- 1695	1 11/32	1 17/32	7/32	45	T- 2074	1.359	1.595	.213	45/R
T- 289	1 11/32	1 9/16	7/32	45	T- 1899	1 23/64	1.703	5/16	---
T- 940	1 11/32	1.590	13/64	45	T- 2748	1.360	1 11/16	1/4	45/R
T- 941	1 11/32	1.590	17/64	45	T- 477	1.360	1 3/4	.315	45/R
T- 942	1 11/32	1.596	1/4	45	T- 2741	1.365	1.655	5/16	45
T- 945	1 11/32	1 5/8	1/4	30/R	T- 1651	1.370	1.660	.340	45
T- 997	1 11/32	1 5/8	3/16	45	T- 1978	1.371	1.669	.272	38
T- 943	1 11/32	1 5/8	7/32	45	T- 1029	1 3/8	1.551	23/64	45
T- 947	1 11/32	1 5/8	1/4	45	T- 902	1 3/8	1 9/16	7/32	45
T- 944	1 11/32	1 5/8	.271	30/R	T- 950	1 3/8	1 9/16	1/4	45
T- 526	1 11/32	1 5/8	9/32	-/R	T- 1802	1 3/8	1 9/16	5/16	45
T- 1821	1 11/32	1 5/8	5/16	45	T- 1016	1 3/8	1 19/32	13/32	45
T- 2093	1 11/32	1 5/8	11/32	45/R	T- 1018	1 3/8	1.617	5/16	45
T- 1887	1 11/32	1 5/8	.365	45/R	T- 1896	1 25/64	1.628	.209	45
T- 527	1 11/32	1 5/8	.285	45/R	T- 951	1 3/8	1 5/8	7/32	30
T- 369	1 11/32	1 5/8	.304	45/R	T- 948	1 3/8	1 5/8	5/32	45
T- 2749	1 11/32	1.636	7/32	45	T- 1065	1 3/8	1 5/8	3/16	45
T- 1833	1 11/32	1.640	5/16	45	T- 952	1 3/8	1 5/8	7/32	45
T- 2743	1 11/32	1.655	5/16	45	T- 953	1 3/8	1 5/8	1/4	45
T- 946	1 11/32	1.656	7/32	45	T- 1884	1 3/8	1 5/8	1/4	45/R
T- 999	1 11/32	1 11/16	3/16	45	T- 954	1 3/8	1 5/8	17/64	45
T- 2469	1 11/32	1 11/16	7/32	45	T- 1530	1 3/8	1 5/8	5/16	45
T- 1841	1 11/32	1 11/16	.271	30/R	T- 970	1 3/8	1 5/8	3/8	45
T- 1842	1 11/32	1 11/16	5/16	45	T- 1800	1 3/8	1 5/8	3/8	30/R
T- 1856	1 11/32	1 11/16	3/8	45	T- 1880	1 3/8	1 5/8	13/32	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1045	1 3/8	1.632	5/16	45/R	T- 1203	1 3/8	1.695	5/16	38
T- 955	1 3/8	1.636	7/32	45	T- 994	1 3/8	1.695	1/4	45
T- 956	1 3/8	1.639	7/32	45	T- 977	1 3/8	1.695	.272	38
T- 949	1 3/8	1.640	1/4	45	T- 1061	1 3/8	1.700	.284	
T- 957	1 3/8	1 41/64	1/4	45	T- 2845	1 3/8	1.700	.402	45
T- 988	1 3/8	1.650	9/32	45/R	T- 1975	1 3/8	1.704	5/16	---
T- 992	1 3/8	1.654	9/32	45/R	T- 971	1 3/8	1 45/64	7/32	45
T- 1863	1 3/8	1.657	.394	45	T- 2794	1 3/8	1.7185	.205	45
T- 958	1 3/8	1 21/32	1/4	45	T- 2133	1 3/8	1.7185	.400	
T- 993	1 3/8	1 21/32	9/32	45/R	T- 1889	1 3/8	1.719	.206	45
T- 1806	1 3/8	1 21/32	3/8	30/R	T- 1174	1 3/8	1.722	.265	20/R
T- 965	1 3/8	1.669	.272	38	T- 1823	1 3/8	1 23/32	5/16	45
T- 1201	1 3/8	1.669	5/16	38	T- 1831	1 3/8	1.725	29/64	45
T- 1200	1 3/8	1.669	3/8	38	T- 2764	1.375	1.736	.328	30/R
T- 7906	1.375	1.670	.300	45	T- 991	1 3/8	1.738	15/64	45/R
T- 1808	1 3/8	1.670	3/8	45/R	T- 998	1 3/8	1.738	5/16	45/R
T- 1028	1 3/8	1.671	.311	45	T- 1547	1 3/8	1.7545	7/16	45
T- 959	1 3/8	1.676	17/64	45	T- 1858	1 3/8	1 3/4	3/16	45
T- 1202	1 3/8	1.681	5/16	38	T- 966	1 3/8	1 3/4	7/32	45
T- 2687	1 3/8	1 11/16	3/16	45	T- 199	1 3/8	1 3/4	1/4	45/R
T- 397	1 3/8	1 11/16	7/32	45/R	T- 967	1 3/8	1 3/4	1/4	30
T- 960	1 3/8	1 11/16	7/32	45	T- 968	1 3/8	1 3/4	1/4	45
T- 961	1 3/8	1 11/16	1/4	30	T- 901	1 3/8	1 3/4	9/32	45/R
T- 962	1 3/8	1 11/16	1/4	45	T- 969	1 3/8	1 3/4	9/32	45
T- 8230	1 3/8	1.6925	.250		T- 1803	1 3/8	1 3/4	5/16	45
T- 1052	1 3/8	1 11/16	.270	38	T- 2087	1 3/8	1 3/4	5/16	45/R
T- 963	1 3/8	1 11/16	9/32	45	T- 1804	1 3/8	1 3/4	23/64	45
T- 1048	1 3/8	1 11/16	9/32	45/R	T- 1805	1 3/8	1 3/4	3/8	45
T- 8330	1 3/8	1.6925	.312		T- 2038	1 3/8	1 3/4	3/8	45/R
T- 1822	1 3/8	1 11/16	5/16	45	T- 686	1 3/8	1.757	.320	45
T- 1873	1 3/8	1 11/16	5/16	45/R	T- 1030	1 3/8	1.760	1/4	45
T- 2094	1 3/8	1 11/16	.321	-/R	T- 973	1.375	1.760	.250	---
T- 1699	1 3/8	1 11/16	21/64	45	T- 1577	1 3/8	1.771	.270	45
T- 2084	1 3/8	1 11/16	.362	45/R	T- 1837	1 3/8	1.793	1/4	45
T- 1801	1 3/8	1 11/16	3/8	45	T- 1826	1 3/8	1 13/16	7/32	45
T- 1861	1 3/8	1 11/16	3/8	30/R	T- 1827	1 3/8	1 13/16	1/4	45
T- 1859	1 3/8	1 11/16	.400	45	T- 1834	1 3/8	1 13/16	1/4	30
T- 1862	1 3/8	1 11/16	7/16	45	T- 1828	1 3/8	1 13/16	9/32	45
T- 2048	1 3/8	1 11/16	.295	45/R	T- 1829	1 3/8	1 13/16	5/16	45
T- 1011	1 3/8	1.695	.272	45	T- 1830	1 3/8	1 13/16	3/8	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1588	1 3/8	1.8195	7/16		T- 2976	1 13/32	1 11/16	1/4	45/R
T- 1838	1 3/8	1.821	5/16	45	T- 1868	1 13/32	1 11/16	9/32	30
T- 2568	1 3/8	1 53/64	3/8	30	T- 1708	1 13/32	1 11/16	5/16	45
T- 1807	1 3/8	1 53/64	3/8	30/R	T- 1709	1 13/32	1 11/16	13/32	45
T- 1832	1 3/8	1 7/8	7/32	30	T- 1090	1 13/32	1.711	3/8	45/R
T- 1836	1 3/8	1 7/8	1/4	45	T- 2065	1 13/32	1.718	7/16	45
T- 1533	1 3/8	1 7/8	5/16	30	T- 1991	1 13/32	1 3/4	5/16	45
T- 2636	1 3/8	1 7/8	7/16	45	T- 647	1 13/32	1 25/32	.288	45/R
T- 1080	1 3/8	2.007	.453		T- 2791	1 13/32	1.7965	7/32	45/R
T- 1066	1 3/8	2.0085	.472		T- 417	1 13/32	1 13/16	.317	45/R
T- 9420	1.375	2.812	1 33/64	45	T- 652	1 13/32	1.819	.284	
T- 9408	1 3/8	2 27/32	1 1/2	45	T- 653	1 13/32	1.828	.284	
T- 1531	1.378	1.651	.315	45	T- 459	1 13/32	1 7/8	7/32	45/R
T- 1063	1.378	1.708	.284		T- 498	1 13/32	1 7/8	7/32	45
T- 2937	1.380	1.819	.405	45/R	T- 1848	1 13/32	1.916	29/64	45
T-11610	1.390	1.650	.400	45	T- 2772	1.410	1.656	.258	30
T- 349	1.390	1 11/16	.305	45/R	T- 7933	1.410	1.737	.300	45
T- 438	1.390	1 3/4	.250	45/R	T- 457	1.410	1 3/4	.279	45/R
T- 2570	1 25/64	1.7255	.382	45/R	T- 1983	1.410	1.757	.320	45/R
T- 591	1.394	1 7/8	.295	30	T- 593	1.410	1 15/16	.412	-/R
T- 590	1.395	1.621	.314	45	T- 632	1.412	1.6385	.218	45
T- 1100	1.398	1.811	.394	45	T- 540	1.415	1 3/4	.300	45/R
T- 8036	1.398	1.8115	.394		T- 1044	1.418	1.752	.315	45
T- 374	1.400	1.609	1/4	45	T- 2587	1.418	1.7755	.275	30/R
T- 2605	1.400	1.6500	.375	45/R	T- 4669	1.420	1.669	.276	30
T- 2013	1.400	1.755	.402	---	T- 4854	1.420	1.669	.445	45
T- 1034	1.405	1.657	3/8	45/R	T- 377	1.420	1.670	.302	45
T- 2873	1.406	1.723	.438	45	T- 7912	1.420	1.755	.310	45
T- 381	1 13/32	1.611	13/32	45	T- 475	1.420	1 13/16	.315	45/R
T- 2836	1 13/32	1 5/8	1/4	45	T- 525	1 27/64	1 13/16	9/32	-/R
T- 1867	1 13/32	1 5/8	13/32	45	T- 916	1.425	1 3/4	9/32	45
T- 907	1 13/32	1 41/64	3/16	45	T- 473	1.430	1 3/4	.215	45/R
T- 380	1 13/32	1.646	9/32	30	T- 1522	1.432	1.831	.380	
T- 1886	1 13/32	1.650	9/32	30	T- 1511	1.432	1.832	.377	45
T- 2834	1 13/32	1.6555	9/32	30	T- 2586	1.437	1.6865	.365	45/R
T- 2835	1 13/32	1.660	13/32	45	T- 7916	1.437	1.737	.300	45
T- 2574	1 13/32	1.688	.365	20	T- 2169	1 7/16	1.780	.256	--
T- 975	1 13/32	1.690	15/64	45	T- 3855	1.437	1.812	.200	
T- 2023	1 13/32	1 11/16	3/16	45	T- 1150	1.437	1.850	.394	45
T- 976	1 13/32	1 11/16	1/4	45	T- 8238	1.437	1.8505	.250	

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 8338	1.437	1.8505	.312		T- 8232	1 7/16	1.7325	.250	
T- 8038	1.437	1.8505	.394		T- 8332	1 7/16	1.7325	.312	
T- 1151	1.437	1.855	.394	45	T- 7938	1 7/16	1.755	.310	45/R
T- 1156	1.437	1.885	.313	45	T- 1631	1 7/16	1 3/4	3/16	45/R
T- 1058	1 7/16	1 5/8	3/16	45	T- 1632	1 7/16	1 3/4	3/16	45
T- 1977	1 7/16	1 5/8	7/32	45	T- 1973	1 7/16	1 3/4	.203	45/R
T- 1051	1 7/16	1 5/8	1/4	45	T- 983	1 7/16	1 3/4	7/32	45
T- 1040	1 7/16	1 5/8	17/64	45	T- 984	1 7/16	1 3/4	1/4	45
T- 980	1 7/16	1.636	13/64	45	T- 1068	1 7/16	1 3/4	1/4	38
T- 1877	1 7/16	1.645	9/32	30	T- 1690	1 7/16	1 3/4	1/4	45/R
T- 379	1 7/16	1 41/64	13/32	45	T- 1824	1 7/16	1 3/4	5/16	45
T- 2582	1 7/16	1.6875	.365	45/R	T- 1825	1 7/16	1 3/4	5/16	30
T- 2583	1 7/16	1.6875	3/8	20	T- 2641	1 7/16	1 3/4	3/8	45
T- 2610	1 7/16	1.688	.365	20	T- 2642	1 7/16	1 3/4	7/16	45
T- 1882	1 7/16	1.688	.365	30/R	T- 1644	1 7/16	1 3/4	.302	45/R
T- 2575	1 7/16	1.688	.365	45	T- 1972	1 7/16	1.757	7/32	30
T- 1898	1 7/16	1.689	.365	30/R	T- 8234	1 7/16	1.7725	.250	
T- 1623	1 7/16	1 11/16	5/32	45	T- 8334	1 7/16	1.7725	.312	
T- 1654	1 7/16	1 11/16	.181	30	T- 771	1 7/16	1.784	.288	45/R
T- 1628	1 7/16	1 11/16	3/16	45	T- 2014	1 7/16	1 25/32	9/32	45
T- 357	1 7/16	1 11/16	.200	30	T- 2099	1 7/16	1 25/32	.288	45
T- 1038	1 7/16	1 11/16	.213	45/R	T- 1843	1 7/16	1 25/32	29/64	45
T- 981	1 7/16	1 11/16	7/32	45	T- 1819	1 7/16	1 51/64	11/32	45
T- 982	1 7/16	1 11/16	1/4	45	T- 2141	1 7/16	1 13/16	3/16	45
T- 1050	1 7/16	1 11/16	1/4	---	T- 1601	1 7/16	1 13/16	7/32	30
T- 1078	1 7/16	1 11/16	1/4	30	T- 1634	1 7/16	1 13/16	7/32	45/R
T- 1835	1 7/16	1 11/16	5/16	45	T- 1602	1 7/16	1 13/16	1/4	45
T- 481	1 7/16	1 11/16	11/32	45/R	T- 1854	1 7/16	1 13/16	5/16	45
T- 1994	1 7/16	1 11/16	.365	45/R	T- 1919	1 7/16	1 13/16	5/16	45PA
T- 2569	1 7/16	1 11/16	.365	45	T- 1818	1 7/16	1 13/16	3/8	45
T- 1846	1 7/16	1 11/16	3/8	30/R	T- 1844	1 7/16	1 13/16	7/16	45
T- 1865	1 7/16	1 11/16	3/8	45	T- 2089	1 7/16	1 13/16	.295	45/R
T- 2591	1 7/16	1 11/16	3/8	20	T- 2026	1 7/16	1 13/16	5/16	45/R
T- 2573	1 7/16	1 11/16	.390	30/R	T- 2310	1 7/16	1.819	5/16	
T- 2577	1 7/16	1 11/16	13/32	45	T- 2311	1 7/16	1.820	5/16	
T- 2578	1 7/16	1 11/16	13/32	45/R	T- 2529	1 7/16	1.828	3/8	45
T- 2580	1 7/16	1 11/16	13/32	45	T- 1603	1 7/16	1.875	1/4	45/R
T- 2576	1 7/16	1 11/16	7/16	45/R	T- 2825	1 7/16	1.876	1/2	45/R
T- 2174	1 7/16	1.697	.355	45/R	T- 1691	1 7/16	1.880	13/32	45
T- 861	1 7/16	1 23/32	7/32		T- 1604	1 7/16	1 7/8	1/4	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1976	1 7/16	1.880	5/16	45	T- 1607	1 15/32	1 23/32	7/32	45
T- 3437	1 7/16	1 7/8	3/8	45	T- 363	1 15/32	1 3/4	5/16	45
T- 1605	1 7/16	1.899	9/32	45	T- 676	1 15/32	1.812	.200	--
T- 2931	1 7/16	1.932	.212	20/R	T- 1608	1 15/32	1 13/16	1/4	45
T- 2933	1 7/16	1.933	.241	30/R	T- 2034	1 15/32	1 13/16	5/16	45
T- 1847	1 7/16	1 15/16	29/64	45	T- 1839	1 15/32	1 13/16	3/8	45
T- 2076	1 7/16	1.955	3/8	45/R	T- 1855	1 15/32	1 53/64	3/8	45
T- 393	1.440	1 3/4	1/4	45/R	T- 1584	1.469	2 1/8	.297	45
T- 1851	1.444	1.746	5/16	45	T- 7900	1.470	1.695	.312	45
T- 1864	1.446	1.678	5/16	45	T- 1586	1.475	1.697	.303	45
T- 406	1.446	1 13/16	.307	45/R	T- 1585	1.475	1.930	3/16	---
T- 519	1.450	1 11/16	.297	45	T- 1582	1.476	1.781	.311	45
T- 7924	1.450	1.712	.305	30	T- 8240	1.476	1.8905	.250	
T- 7904	1.450	1.735	.340	45	T- 8340	1.476	1.8905	.312	
T- 1660	1.450	1.816	5/16	45	T- 8040	1.476	1.8905	.394	
T- 634	1 29/64	1 11/16	1/4	45/R	T- 1596	1.480	1.850	3/8	
T- 571	1 29/64	1 3/4	1/4	---	T- 1583	1.481	1 15/16	.176	30
T- 618	1 29/64	1 7/8	5/16	45/R	T- 1581	1 31/64	1.667	5/16	45
T- 538	1.454	1 3/4	.277	45	T- 1580	1 31/64	1 11/16	1/4	30
T- 386	1.455	1 3/4	.310	45/R	T- 452	1 31/64	1.762	15/64	45
T- 1060	1.457	1.732	.365	45/R	T- 1555	1.487	1.802	.310	45
T- 1019	1.457	1 3/4	.295	---	T- 2072	1.496	1.819	.197	45/R
T- 2315	1.457	1.757	5/16		T- 367	1.496	1 13/16	.303	45/R
T- 1042	1.457	1 15/16	.197	45	T- 2688	1 1/2	1 11/16	3/16	45
T- 2767	1.458	1.6935	.234		T- 1519	1 1/2	1 11/16	7/32	45
T- 1046	1.458	1 3/4	11/32	45/R	T- 1000	1 1/2	1 11/16	1/4	45
T- 1067	1.460	1.725	1/4	---	T- 1517	1 1/2	1 11/16	5/16	45
T- 1036	1.460	1 3/4	.423	45/R	T- 2689	1 1/2	1 11/16	3/8	45
T- 1026	1.460	1 3/4	.275	45/R	T- 996	1 1/2	1 23/32	3/16	45
T- 972	1.460	1.760	.250	45	T- 1918	1 1/2	1.726	.295	45
T- 1662	1.460	1.775	.300	45/R	T- 394	1 1/2	1.732	1/4	45/R
T- 2043	1.460	1.850	.300	30	T- 1017	1 1/2	1.745	5/16	30
T- 2044	1.460	1 7/8	.300	30	T- 1057	1 1/2	1 3/4	3/16	
T- 2935	1.460	1.9335	.240	30/R	T- 1089	1 1/2	1 3/4	.209	45
T- 2936	1.460	1.9425	.240	30/R	T- 495	1 1/2	1 3/4	7/32	30
T- 2058	1.460	2.021	.316	-/R	T- 986	1 1/2	1 3/4	7/32	45
T- 2059	1.460	2 1/8	.316	-/R	T- 1513	1 1/2	1 3/4	7/32	45/R
T- 2049	1.468	1 3/4	.276	45	T- 987	1 1/2	1 3/4	1/4	45
T- 1900	1 15/32	1 11/16	1/4	45	T- 1021	1 1/2	1 3/4	1/4	---
T- 1606	1 15/32	1.715	13/64	45	T- 1071	1 1/2	1 3/4	1/4	30

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2985	1 1/2	1 3/4	.285	45	T- 1816	1 1/2	1 7/8	.413	45
T- 1525	1 1/2	1 3/4	5/16	45	T- 2802	1 1/2	1 7/8	7/16	45
T- 2643	1 1/2	1 3/4	3/8	45	T- 2037	1 1/2	1 7/8	3/8	45/R
T- 455	1 1/2	1 3/4	.255	45/R	T- 1814	1 1/2	1 57/64	3/8	45
T- 985	1 1/2	1.758	.270	45	T- 2801	1 1/2	1.916	29/64	30
T- 1516	1 1/2	1.758	5/16	---	T- 1682	1 1/2	1.930	.276	45
T- 2132	1 1/2	1.7825	11/32	30	T- 1615	1 1/2	1 15/16	1/4	45
T- 3784	1 1/2	1.784	5/16	45	T- 1971	1 1/2	1 15/16	5/16	45
T- 2024	1 1/2	1.788	.300	45	T- 1849	1 1/2	1 15/16	3/8	45
T- 1817	1 1/2	1.795	3/8	30/R	T- 2406	1 1/2	1.953	.290	30/R
T- 1515	1 1/2	1.796	.267	---	T- 2869	1 1/2	2.0025	1/2	45
T- 1504	1 1/2	1.802	7/32	45/R	T- 1600	1 1/2	2	1/4	45/R
T- 8236	1 1/2	1.8115	.250		T- 2842	1 1/2	2	.276	45
T- 8336	1 1/2	1.8115	.312		T- 2831	1 1/2	2	5/16	45
T- 2055	1.520	1.812	.200	30	T- 2841	1 1/2	2	11/32	45/R
T- 1895	1 1/2	1 13/16	3/16	---	T- 2803	1 1/2	2	3/8	45
T- 1587	1 1/2	1 13/16	.200	30	T- 2804	1 1/2	2	7/16	45
T- 1609	1 1/2	1 13/16	7/32	45	T- 2861	1 1/2	2	1/2	15
T- 1635	1 1/2	1 13/16	7/32	45/R	T- 1741	1 1/2	2.011	5/16	45
T- 1610	1 1/2	1 13/16	1/4	45	T- 2824	1 1/2	2 1/16	37/64	45
T- 1539	1 1/2	1 13/16	.265	30	T- 1503	1 1/2	2 1/8	9/16	30
T- 1809	1 1/2	1 13/16	5/16	45	T- 2078	1 1/2	2 1/8	9/16	45
T- 1813	1 1/2	1 13/16	11/32	45	T- 1701	1 1/2	2.131	1/2	15
T- 1810	1 1/2	1 13/16	3/8	45	T- 9153	1 1/2	2.843	2.870	45
T- 1860	1 1/2	1 13/16	3/8	30/R	T- 7914	1.505	1.760	.280	45
T- 1857	1 1/2	1 13/16	.406	45	T- 1692	1.508	1 7/8	.296	45
T- 2840	1 1/2	1 13/16	7/16	45	T- 8242	1.516	1.9295	.250	
T- 2031	1 1/2	1 13/16	.278	45/R	T- 8342	1.516	1.9295	.312	
T- 790	1 1/2	1.832	7/32	---	T- 8042	1.516	1.9295	.394	
T- 1700	1 1/2	1.853	.273	30/R	T- 2052	1.520	1.812	.225	30
T- 9160	1 1/2	1.875	15/16	45	T- 2870	1.525	1.946	.415	
T- 9156	1 1/2	1.875	2 5/8	45	T- 7932	1.530	1.808	.330	45
T- 1611	1 1/2	1 7/8	3/16	45	T- 423	1.530	1 13/16	.305	45/R
T- 1612	1 1/2	1 7/8	7/32	45	T- 2002	1.531	2.006	.301	30
T- 1613	1 1/2	1 7/8	1/4	45	T- 1646	1 17/32	1 3/4	7/32	45
T- 1641	1 1/2	1 7/8	1/4	45/R	T- 1527	1 17/32	1 3/4	5/16	45
T- 2027	1 1/2	1 7/8	.288	45/R	T- 1988	1 17/32	1 25/32	13/32	45
T- 1811	1 1/2	1 7/8	5/16	45	T- 2427	1 17/32	1.811	.334	45
T- 1812	1 1/2	1 7/8	23/64	45	T- 2589	1 17/32	1.813	.365	20
T- 1815	1 1/2	1 7/8	3/8	45	T- 1897	1 17/32	1.815	.365	30/R

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2025	1 17/32	1 13/16	.200	30	T- 2548	1.550	1.856	.257	30
T- 2030	1 17/32	1 13/16	.365	30/R	T- 1998	1.555	1.812	.310	---
T- 2178	1 17/32	1 13/16	3/8	30/	T- 2071	1.555	1.831	.354	45
T- 7007	1 17/32	1.898	.272	30/R	T- 2986	1.555	1.874	.2375	
T- 7149	1 17/32	1.899	.275	30	T- 2793	1.562	1.9435	.210	45/R
T- 1614	1 17/32	1 15/16	1/4	45	T- 663	1.562	2.016	.435	
T- 2735	1 17/32	2.002	3/8	45	T- 2650	1 9/16	1 3/4	3/16	45
T- 2855	1 17/32	2.002	.400	30	T- 2028	1 9/16	1 3/4	7/32	45
T- 2736	1 17/32	2.012	3/8	45	T- 2651	1 9/16	1 3/4	1/4	45
T- 2856	1 17/32	2.017	.400	30	T- 1890	1 9/16	1.805	5/16	45
T- 2737	1 17/32	2.034	3/8	45	T- 2592	1 9/16	1.8125	.365	30/R
T- 2857	1 17/32	2.034	.400	30	T- 2600	1 9/16	1.813	.365	20
T- 2669	1 17/32	2.0475	3/8	30/R	T- 1881	1 9/16	1.813	.365	30/R
T- 2738	1 17/32	2.064	3/8	45	T- 2590	1 9/16	1.813	.365	30
T- 2858	1 17/32	2.064	.400	30	T- 1599	1 9/16	1 13/16	3/16	45
T- 1778	1 17/32	2 1/8	9/16	30	T- 1616	1 9/16	1 13/16	7/32	45
T- 1786	1 17/32	2 1/8	9/16	20	T- 1617	1 9/16	1 13/16	1/4	45
T- 1787	1 17/32	2 1/8	9/16	15	T- 1663	1 9/16	1 13/16	1/4	---
T- 668	1.532	1.7845	.288	45	T- 1643	1 9/16	1 13/16	5/16	45
T- 2837	1.535	1 13/16	.266	45/R	T- 1993	1 9/16	1 13/16	.365	30/R
T- 1076	1.535	1.819	.293	45	T- 2018	1 9/16	1 13/16	.365	30
T- 2769	1.535	1.969	.413	45	T- 1845	1 9/16	1 13/16	3/8	30/R
T- 8244	1.535	1.9695	.250		T- 1866	1 9/16	1 13/16	3/8	30
T- 8344	1.535	1.9695	.312		T- 2571	1 9/16	1 13/16	3/8	20
T- 8044	1.535	1.9695	.413		T- 2572	1 9/16	1 13/16	.390	30/R
T- 2871	1.535	1.974	.413	45	T- 2579	1 9/16	1 13/16	13/32	45
T- 2833	1.536	1 7/8	.354	45	T- 2173	1 9/16	1.822	.355	30/R
T- 2843	1.536	1.910	.296	45	T- 2423	1 9/16	1.823	.273	30
T- 2838	1.536	1 15/16	.354	45	T- 1689	1 9/16	1.833	9/32	30
T- 2844	1.536	2	.296	45	T- 2370	1 9/16	1.842	1/4	20
T- 2848	1.538	1 13/16	1/4	45/R	T- 1673	1 9/16	1 27/32	1/4	30
T- 4792	1.540	1.792	.257	30	T- 1618	1 9/16	1 27/32	5/32	30
T- 4855	1.540	1.792	.497	30	T- 2095	1 9/16	1 27/32	1/4	45
T- 3733	1.540	1.812	.312	20	T- 1619	1 9/16	1 27/32	9/32	30
T- 2849	1.540	1 15/16	.315	45/R	T- 2455	1 9/16	1 27/32	5/16	30
T- 2826	1 35/64	1 7/8	7/16	---	T- 1776	1 9/16	1.855	7/16	45/R
T- 2656	1.548	1.811	.334	45	T- 2063	1 9/16	1.8575	.229	45
T- 2773	1.550	1.814	.240	45	T- 2136	1 9/16	1.8575	1/4	
T- 2070	1.550	1 13/16	.450	45	T- 1970	1 9/16	1 7/8	5/32	45
T- 2692	1.550	1.831	.253		T- 1694	1 9/16	1 7/8	3/16	

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1637	1 9/16	1 7/8	7/32	30	T- 1905	1 9/16	2	1/4	45
T- 1968	1 9/16	1 7/8	7/32	45	T- 1957	1 9/16	2	1/4	30
T- 1620	1 9/16	1 7/8	1/4	45	T- 2903	1 9/16	2	5/16	45
T- 1622	1 9/16	1 7/8	9/32	45	T- 2823	1 9/16	2	9/16	30
T- 1872	1 9/16	1 7/8	5/16	45/R	T- 2800	1 9/16	2.007	.453	45
T- 1901	1 9/16	1 7/8	5/16	45	T- 1902	1 9/16	2 1/16	1/4	45
T- 2847	1 9/16	1 7/8	.336	30	T- 2906	1 9/16	2 1/16	5/16	45
T- 1820	1 9/16	1 7/8	3/8	45	T- 2806	1 9/16	2 1/16	3/8	45
T- 2846	1 9/16	1 7/8	.402	30	T- 2864	1 9/16	2 1/16	7/16	45
T- 2077	1 9/16	1 7/8	13/32	45	T- 2807	1 9/16	2 1/16	1/2	45
T- 1718	1 9/16	1 7/8	7/16	30/R	T- 2197	1 9/16	2 1/8	3/8	45
T- 1765	1 9/16	1 7/8	7/16	45	T- 2098	1 9/16	2.252	1 3/4	45
T- 2811	1 9/16	1 7/8	29/64	30/R	T- 2860	1 9/16	2 1/4	1/2	45
T- 2839	1 9/16	1 7/8	29/64	---	T- 2164	1 9/16	2 15/16	1 15/16	45
T- 2881	1 9/16	1.881	.187	30/R	T- 2166	1 9/16	2 15/16	1.812	45
T- 2482	1 9/16	1.894	1/4	45	T- 2054	1 9/16	2 15/16	1 15/16	45/R
T- 2483	1 9/16	1.894	.375		T- 2157	1.563	2.068	.219	
T- 1638	1 9/16	1 57/64	7/32	30	T- 7908	1.567	1.855	.330	45
T- 1913	1 9/16	1 57/64	7/32	45	T- 2091	1.570	1.819	.284	30/R
T- 1904	1 9/16	1 29/32	9/32	30	T- 2179	1.570	1.819	.284	---
T- 1907	1 9/16	1 29/32	29/64	30	T- 2180	1.570	1.819	.294	30/R
T- 2808	1 9/16	1.916	29/64	30	T- 2147	1.570	1.819	5/16	30/R
T- 1661	1 9/16	1 15/16	13/64	30	T- 2181	1.570	1.819	.294	0/A
T- 2193	1 9/16	1 15/16	7/32	45	T- 2088	1.573	1 15/16	.379	45/R
T- 1621	1 9/16	1 15/16	1/4	45	T- 2877	1.574	1.946	.315	45
T- 899	1 9/16	1 15/16	5/16	30/R	T- 2138	1.575	1.8575	1/4	45/R
T- 1903	1 9/16	1 15/16	5/16	45	T- 7928	1.575	1.860	.305	45
T- 1850	1 9/16	1 15/16	3/8	45	T- 2000	1.575	1.880	.345	45/R
T- 1671	1 9/16	1 15/16	7/16	30/R	T- 2067	1.575	1 7/8	.354	45
T- 1672	1 9/16	1 15/16	29/64	30/R	T- 2033	1.575	1 7/8	.290	45/R
T- 865	1 9/16	1.945	3/8		T- 2875	1.575	1.882	.320	
T- 661	1 9/16	1.945	.400		T- 2045	1.575	1 15/16	.354	45
T- 2584	1 9/16	1.9455	.425	45	T- 2080	1.575	1.969	.374	45
T- 1653	1 9/16	1.956	.230	30/R	T- 2046	1.575	2	.354	45
T- 1696	1 9/16	1.9565	5/16	30	T- 8246	1.575	2.0085	.250	
T- 1706	1 9/16	1.9565	5/16		T- 8346	1.575	2.0085	.312	
T- 2996	1 9/16	1.976	.332	30	T- 8046	1.575	2.0085	.413	
T- 1636	1 9/16	1.976	17/64	45	T- 2057	1.575	2 1/16	.362	30
T- 2995	1 9/16	1.9765	5/16	30	T- 2060	1.578	1 15/16	.203	30/R
T- 2905	1 9/16	2	7/32		T- 1974	1 37/64	1 15/16	.203	30

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2829	1 37/64	1.969	.211	45/R	T- 747	1.600	2.0005	.378	45/R
T- 2968	1.580	1.968	.304	30	T- 757	1.600	2.005	.375	/R
T- 578	1.585	1 15/16	9/32	45/R	T- 1906	1.600	2	9/32	30
T- 2145	1.585	1.946	.367	45	T- 768	1.600	2.0055	3/8	
T- 576	1.590	1 13/16	.450	45/R	T- 1982	1.600	2.047	.405	45/R
T- 1679	1.590	1.942	.367	45	T- 1952	1.606	2.053	.331	45/R
T- 514	1.590	1 15/16	7/16	45	T- 2137	1.608	1.8585	.209	30
T- 1687	1.590	1.947	7/16	45	T- 2142	1.609	1.8545	.277	45/R
T- 395	1.593	1 13/16	7/32	45/R	T- 1650	1 39/64	1 7/8	1/4	45
T-11630	1.593	2.000	.375	45/R	T- 1669	1 39/64	1 7/8	9/32	45
T- 1658	1 19/32	1 13/16	7/32	45	T- 1667	1 39/64	1 7/8	9/32	-/R
T- 1640	1 19/32	1 7/8	3/16		T- 1686	1 39/64	1 15/16	.330	45/R
T- 1624	1 19/32	1 7/8	1/4	45	T- 8248	1.614	2.0475	.250	
T- 1912	1 19/32	1 7/8	5/16	45	T- 8348	1.614	2.0475	.312	
T- 1909	1 19/32	1 7/8	21/64	45	T- 8048	1.614	2.0475	.413	
T- 2017	1 19/32	1 7/8	3/8	45	T- 1681	1.614	2.048	.197	45
T- 896	1 19/32	1 7/8	1/4	45/R	T- 1680	1.614	2 1/8	.197	45
T- 1911	1 19/32	1 15/16	1/4	45	T- 1676	1.615	1 15/16	.315	45/R
T- 391	1 19/32	1 15/16	5/16	30	T- 2874	1.616	1.991	.309	45/R
T- 365	1 19/32	1.944	5/16	45	T- 1625	1 5/8	1 13/16	7/32	45
T- 2097	1 19/32	1.947	7/16	45	T- 2659	1 5/8	1 13/16	1/4	45
T- 343	1 19/32	2	3/16	45/R	T- 1914	1 5/8	1.858	9/32	45
T- 1933	1 19/32	2	9/32	45	T- 7902	1 5/8	1.860	5/16	45
T- 792	1 19/32	2.0065	3/8	45/R	T- 1560	1 5/8	1 7/8	5/32	45
T- 1570	1 19/32	2.020	9/32	45	T- 1561	1 5/8	1 7/8	3/16	30
T- 1915	1 19/32	2.020	9/32	-/R	T- 1626	1 5/8	1 7/8	7/32	45
T- 466	1 19/32	2 1/8	9/32	-/R	T- 1629	1 5/8	1 7/8	7/32	45/R
T- 2608	1.594	1.952	.438	45	T- 1627	1 5/8	1 7/8	1/4	45
T- 1645	1.595	1 13/16	1/4	45	T- 1908	1 5/8	1 7/8	9/32	45
T- 2158	1.595	1.962	.365	30/R	T- 1647	1 5/8	1 7/8	5/16	45
T- 1693	1.595	2	.335	45	T- 2850	1 5/8	1 7/8	3/8	45
T- 2763	1.595	2.012	.293	30/R	T- 2813	1 5/8	1 7/8	29/64	45
T- 1545	1.595	2.135	7/32	45	T- 2853	1 5/8	1 7/8	.352	45/R
T- 376	1.600	1.814	.315	45	T- 1928	1 5/8	1.883	9/32	45
T- 2153	1.600	1.835	.250	45	T- 2594	1.610	1.890	.306	30
T- 2066	1.600	1.882	7/16	45	T- 2599	1.610	1.890	.312	30/R
T- 1157	1.600	1.887	.438	45	T- 2593	1 5/8	1.891	.306	30
T- 2086	1.600	1.985	.290	45/R	T- 1979	1 5/8	1.912	.284	45
T- 2606	1.600	2.000	.375	45/R	T- 2809	1 5/8	1.938	3/8	45
T- 746	1.600	2.0005	.317	45/R	T- 1702	1 5/8	1.938	1/2	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2939	1 5/8	1 15/16	7/32	45	T- 1725	1 5/8	2.100	.620	---
T- 1507	1 5/8	1 15/16	.238	45/R	T- 1710	1 5/8	2 1/8	1/4	45
T- 1630	1 5/8	1 15/16	1/4	45	T- 1715	1 5/8	2 1/8	9/32	45
T- 2630	1 5/8	1 15/16	1/4	---	T- 1719	1 5/8	2 1/8	5/16	30/R
T- 1910	1 5/8	1 15/16	9/32	45	T- 2198	1 5/8	2 1/8	3/8	45
T- 2812	1 5/8	1 15/16	5/16	45	T- 2816	1 5/8	2 1/8	7/16	45
T- 1703	1 5/8	1 15/16	3/8	45	T- 7010	1 5/8	2 1/4	5/16	45/R
T- 1704	1 5/8	1 15/16	7/16	45	T- 1716	1 5/8	2 1/4	3/8	45
T- 2126	1 5/8	1.953	.400		T- 2854	1 5/8	2.2555	1/2	45
T- 2980	1 5/8	1.953	.195		T- 1502	1 5/8	2 1/4	5/8	45
T- 2981	1 5/8	1.953	.215	45	T- 2710	1 5/8	2 3/8	1/2	45
T- 1987	1 5/8	1.954	11/32	45	T- 1501	1 5/8	2 3/8	5/8	45
T- 1528	1 5/8	1.974	.300	45/R	T- 1670	1.640	1 7/8	9/32	45
T- 1920	1 5/8	2	7/32	45	T- 2163	1.640	2.023	.3125	30
T- 1921	1 5/8	2	1/4	45	T- 1655	1 41/64	2.003	5/16	30
T- 1926	1 5/8	2	1/4	45/R	T- 1652	1 41/64	1 7/8	1/4	45
T- 1922	1 5/8	2	9/32	45	T- 2622	1.645	1.900	.250	45
T- 1924	1 5/8	2	5/16	45	T- 1678	1.650	1.900	.300	45
T- 1925	1 5/8	2	11/32	30	T- 1697	1.650	1.902	1/4	
T- 1711	1 5/8	2	23/64	30	T- 1698	1.650	1.902	.300	
T- 2814	1 5/8	2	7/16	45	T- 1668	1.650	1 15/16	5/16	45/R
T- 1705	1 5/8	2	.475	45/C	T- 1666	1.652	2 1/8	11/32	-/R
T- 1772	1 5/8	2.006	.301	45	T- 2771	1.652	2.136	.310	37
T- 1712	1 5/8	2	3/8	45	T- 8449	1.654	1.929	.315	
T- 1723	1 5/8	2	.368	45/R	T- 8250	1.654	2.0875	.250	
T- 2859	1 5/8	2.0075	29/64		T- 8350	1.654	2.0875	.312	
T- 1713	1 5/8	2.018	29/64	45	T- 8050	1.654	2.0875	.413	
T- 1927	1 5/8	2.055	5/16	45	T- 1683	1.654	2.107	.256	45
T- 1960	1 5/8	2.055	5/16	45/R	T- 1684	1.654	2 3/16	.256	45
T- 2865	1 5/8	2.060	.453		T- 1576	1.655	1.960	.365	45
T- 2770	1 5/8	2.062	3/8		T- 2143	1.656	1.958	.438	45
T- 1930	1 5/8	2 1/16	1/4	45	T- 1966	1 21/32	1.860	3/16	45
T- 1931	1 5/8	2 1/16	9/32	45	T- 2140	1 21/32	1 7/8	3/16	---
T- 1932	1 5/8	2 1/16	5/16	45	T- 1781	1 21/32	1 15/16	1/4	45
T- 1961	1 5/8	2 1/16	5/16	45/R	T- 2139	1 21/32	1 15/16	3/8	45
T- 1962	1 5/8	2 1/16	11/32	30	T- 2064	1 21/32	1.953	7/16	45
T- 2815	1 5/8	2 1/16	3/8	45	T- 1951	1 21/32	1.954	11/32	45
T- 1714	1 5/8	2 1/16	7/16	45	T- 2768	1 21/32	1.969	.234	
T- 1724	1 5/8	2.070	.620	---	T- 1943	1 21/32	2	11/32	45
T- 2872	1.625	2.073	.400	45	T- 657	1 21/32	2.035	3/8	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1642	1 21/32	2.084	9/32	30/R	T- 2756	1 11/16	2	5/16	
T- 2706	1 21/32	2 3/8	11/32	30	T- 1939	1 11/16	2	21/64	45
T- 1664	1.657	1.972	.300	45/R	T- 2134	1 11/16	2.0055	.335	45
T- 378	1.660	1.865	13/32	45	T- 1989	1 11/16	2	11/32	45
T- 2889	1.665	1.9195	.250	45	T- 1992	1 11/16	2	3/8	45
T- 1954	1 43/64	1.953	15/64	45	T- 1721	1 11/16	2	7/16	45
T- 1717	1 43/64	2 5/64	.276	30/R	T- 1722	1 11/16	2	7/16	30/R
T- 1720	1 43/64	2 1/8	.276	30/R	T- 2810	1 11/16	2	29/64	30/R
T- 2887	1.672	2.2885	.453	20/R	T- 480	1 11/16	2.013	.234	45
T- 2888	1.672	2.2885	.453	30/R	T- 1944	1 11/16	2.015	21/64	45
T- 1675	1.673	2 1/8	.433	45	T- 1950	1 11/16	2.026	.345	45/R
T- 1677	1.674	1 15/16	.276	45/R	T- 2452	1 11/16	2 1/16	7/32	45
T- 781	1.675	2.127	.312	45/R	T- 1945	1 11/16	2 1/16	1/4	45
T- 2668	1.680	2.388	.460	20/S	T- 1946	1 11/16	2 1/16	9/32	45
T- 2375	1.687	2.1005	.375	45/R	T- 1947	1 11/16	2 1/16	5/16	30
T- 1659	1 11/16	1 7/8	3/16	45	T- 2062	1 11/16	2 1/16	5/16	45
T- 1639	1 11/16	1 7/8	7/32	30	T- 1938	1 11/16	2 1/16	21/64	45
T- 1967	1 11/16	1 7/8	7/32	45	T- 2947	1 11/16	2 1/16	11/32	30
T- 1536	1 11/16	1 7/8	1/4	45	T- 2371	1 11/16	2 1/16	3/8	45
T- 1537	1 11/16	1 7/8	5/16	45	T- 2832	1 11/16	2 1/16	7/16	30/R
T- 1535	1 11/16	1.903	.300	45	T- 2029	1 11/16	2 1/16	29/64	30/R
T- 1964	1 11/16	1 15/16	3/16	45	T- 2902	1 11/16	2.068	.420	
T- 1674	1 11/16	1 15/16	7/32	45	T- 1948	1 11/16	2.074	5/16	45/R
T- 1633	1 11/16	1 15/16	1/4	45	T- 1949	1 11/16	2.088	.300	30
T- 1935	1 11/16	1 15/16	9/32	45	T- 2817	1 11/16	2 1/8	1/4	45
T- 1548	1 11/16	1 15/16	5/16	45	T- 1726	1 11/16	2 1/8	9/32	45
T- 2498	1 11/16	1.973	.394		T- 2818	1 11/16	2 1/8	.300	30
T- 2805	1 11/16	1.980	7/16	30/R	T- 2819	1 11/16	2 1/8	5/16	30
T- 1538	1 11/16	1.994	.300	45	T- 1727	1 11/16	2 1/8	3/8	45
T- 372	1 11/16	2.003	9/32	30	T- 1728	1 11/16	2 1/8	7/16	30/R
T- 2032	1 11/16	2	3/16	45	T- 2434	1 11/16	2.134	5/16	20
T- 2096	1 11/16	2	.206	30	T- 1729	1 11/16	2 9/64	15/32	---
T- 1942	1 11/16	2	7/32	45	T- 1730	1 11/16	2 5/32	29/64	30
T- 2750	1 11/16	2	7/32	30	T- 1731	1 11/16	2 3/16	1/4	30
T- 485	1 11/16	2	.234	30	T- 371	1 11/16	2 3/16	9/32	45
T- 1940	1 11/16	2	1/4		T- 1732	1 11/16	2 1/4	1/4	30
T- 2082	1 11/16	2	.260	30	T- 2730	1 11/16	2 1/4	11/32	45/R
T- 1941	1 11/16	2	9/32	45	T- 748	1.690	2.0005	.378	45/R
T- 1965	1 11/16	2	9/32	30	T- 2745	1.690	2.004	.317	30/R
T- 2746	1 11/16	2	5/16	30/R	T- 8353	1.690	2.130	.410	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2526	1.693	2.126	.413	45	T- 2867	1 3/4	2	7/32	45/R
T- 8252	1.693	2.1265	.250		T- 302	1 3/4	2	1/4	45
T- 8352	1.693	2.1265	.312		T- 303	1 3/4	2	9/32	45
T- 8052	1.693	2.1265	.413		T- 325	1 3/4	2	5/16	45
T- 3765	1.693	2.130	.285	20/R	T- 326	1 3/4	2	3/8	45
T- 464	1.693	2.225	.394	45	T- 1743	1 3/4	2	7/16	45
T- 465	1.693	2.244	.394	45	T- 2821	1 3/4	2	29/64	45
T- 3798	1.695	2.0665	.350	30	T- 1917	1 3/4	2.006	11/32	45
T- 2184	1.697	2.091	.390	45/R	T- 451	1 3/4	2.024	15/64	45
T- 1523	1.697	2 1/8	.393	45/R	T- 2827	1 3/4	2.024	15/64	45/R
T- 1936	1 45/64	1 7/8	1/4	45	T- 1775	1 3/4	2.044	7/16	45/R
T- 1520	1 45/64	2 3/64	.300	45/R	T- 1140	1 3/4	2.047	.343	45
T- 2733	1.705	2.136	.319	45/R	T- 2744	1 3/4	2.048	11/32	30/R
T- 2776	1.705	2.136	.295	30	T- 2953	1.750	2.051	.240	30/R
T- 453	1.712	2.001	.385	30	T- 2951	1 3/4	2.051	.241	30/R
T- 588	1.713	1.989	.354	45	T- 9402	1 3/4	2.720	1 9/16	45
T- 557	1.713	2 3/16	.433	45	T- 1963	1 3/4	2 1/16	7/32	45
T- 2701	1.715	2.330	1/2	45	T- 2954	1.750	2.0675	.240	30/R
T- 2159	1.718	2.009	.345		T- 304	1 3/4	2 1/16	9/32	45
T- 1893	1 23/32	2.001	.386	30/R	T- 2269	1 3/4	2 1/16	5/16	45
T- 1955	1 23/32	2	7/32	45	T- 334	1 3/4	2 1/16	11/32	45
T- 1953	1 23/32	2	11/32	45	T- 328	1 3/4	2 1/16	3/8	45
T- 1892	1 23/32	2	.386	30/R	T- 1742	1 3/4	2 1/16	7/16	45
T- 2820	1 23/32	2 1/8	9/32	30	T- 2240	1 3/4	2 1/16	.390	45
T- 1733	1 23/32	2 13/64	7/16	45	T- 2177	1 3/4	2 1/16	.420	45
T- 1155	1.720	1.9795	.423	45	T- 659	1 3/4	2.078	11/32	45
T- 1083	1.725	2.087	.375	45/R	T- 2897	1 3/4	2.1265	.323	20/R
T- 2497	1.730	1.973	1/4		T- 2898	1 3/4	2.1265	.323	---
T- 1254	1.732	2.165	.433	45	T- 2036	1 3/4	2.1295	.306	30
T- 8254	1.732	2.1655	.250		T- 305	1 3/4	2 1/8	7/32	45
T- 8354	1.732	2.1655	.312		T- 306	1 3/4	2 1/8	1/4	30
T- 8054	1.732	2.1655	.433		T- 496	1 3/4	2 1/8	1/4	45/R
T- 2609	1.732	2.170	.433	45	T- 598	1 3/4	2 1/8	1/4	45
T- 1665	1.735	2 1/4	3/8	-/R	T- 1798	1 3/4	2 1/8	.260	30
T-11620	1.745	2.000	.400	45	T- 307	1 3/4	2 1/8	9/32	30
T- 1649	1 3/4	1 15/16	7/32	45	T- 308	1 3/4	2 1/8	9/32	45
T- 327	1 3/4	2	5/32	30	T- 309	1 3/4	2 1/8	5/16	45
T- 1969	1 3/4	2	5/32	45	T- 648	1 3/4	2 1/8	5/16	45/R
T- 300	1 3/4	2	3/16	45	T- 310	1 3/4	2 1/8	3/8	30
T- 301	1 3/4	2	7/32	45	T- 311	1 3/4	2 1/8	3/8	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1770	1 3/4	2 1/8	7/16	45	T- 2716	1 25/32	2 1/8	1/4	45
T- 660	1 3/4	2.137	.400		T- 552	1 25/32	2 1/8	5/16	30
T- 312	1 3/4	2 9/64	3/8	45	T- 350	1 25/32	2.180	.300	30
T- 1734	1 3/4	2.164	29/64	30	T- 1745	1 25/32	2 1/4	1/4	45
T- 1146	1 3/4	2.169	.332	20	T- 323	1 25/32	2 3/8	5/16	45
T- 1148	1.750	2.169	.385	20	T- 1746	1 25/32	2 3/8	11/32	30
T- 1144	1 3/4	2.1695	.325	20	T- 2878	1.782	2.100	.267	30
T- 1794	1 3/4	2 3/16	1/4	30	T- 1142	1.790	2.1705	.345	20/R
T- 313	1 3/4	2 3/16	9/32	30	T- 2726	1.791	2 3/16	.433	45
T- 1147	1 3/4	2 3/16	.332	20	T- 2725	1.798	2.139	.367	45
T- 314	1 3/4	2 3/16	3/8	45	T- 1033	1.800	2.087	3/8	45/R
T- 1735	1 3/4	2 3/16	7/16	45	T- 2719	1.800	2.128	.225	45
T- 2135	1 3/4	2 3/16	7/16	45/R	T- 2061	1.800	2.135	.367	45
T- 2603	1 3/4	2.194	.453		T- 315	1.800	2.192	3/8	45
T- 662	1.750	2.210	.435		T- 2728	1.800	2.1945	29/64	
T- 333	1 3/4	2.216	3/16	45	T- 1031	1.804	2.160	.410	45/R
T- 1736	1 3/4	2 1/4	7/32	45	T- 8258	1.811	2.2445	.250	
T- 1737	1 3/4	2 1/4	9/32	45	T- 8358	1.811	2.2445	.312	
T- 1738	1 3/4	2 1/4	3/8	45	T- 8058	1.811	2.2445	.433	
T- 1739	1 3/4	2 1/4	3/8	45/R	T- 345	1 53/64	2.015	3/16	45
T- 1740	1 3/4	2 1/4	7/16	45	T- 1958	1 13/16	2	7/32	45
T- 1744	1 3/4	2 5/16	1/4	30	T- 2492	1 13/16	2.052	1/4	45
T- 2702	1 3/4	2 5/16	7/16	45	T- 329	1 13/16	2 1/16	3/16	45
T- 8672	1.750	2.614	2.172	45/C	T- 2852	1 13/16	2 1/16	7/32	45
T- 6214	1 3/4	2.6115	2.173	45/C	T- 316	1 13/16	2 1/16	1/4	45
T- 9567	1 3/4	2.613	1.220	45/C	T- 355	1 13/16	2 1/16	1/4	45/R
T- 8678	1 3/4	2.614	2.437	45/C	T- 317	1 13/16	2 1/16	9/32	45
T- 1997	1.755	2.062	.340	---	T- 2540	1 13/16	2 1/16	5/16	45
T- 1035	1.755	2.087	.375	45/R	T- 1766	1 13/16	2 1/16	7/16	45
T- 592	1.755	2 5/16	.415	-/R	T- 1774	1 13/16	2 1/16	7/16	-/R
T- 554	1.765	2.165	.300	30	T- 536	1 13/16	2 1/8	3/16	45
T- 555	1.765	2 3/16	.300	30	T- 389	1 13/16	2 1/8	7/32	45
T- 2729	1.772	2.0535	.336	30/R	T- 318	1 13/16	2 1/8	1/4	45
T- 8256	1.772	2.2055	.250		T- 2862	1 13/16	2 1/8	9/32	45
T- 8356	1.772	2.2055	.312		T- 1784	1 13/16	2 1/8	5/16	45
T- 8056	1.772	2.2055	.433		T- 2851	1 13/16	2 1/8	3/8	45
T- 2890	1.772	2.3625	.433	30/R	T- 1747	1 13/16	2 1/8	7/16	45
T- 2891	1.772	2.367	.433	30/R	T- 2714	1 13/16	2 1/8	7/16	30/R
T- 2892	1.772	2.367	.433	20/R	T- 2715	1 13/16	2 1/8	29/64	30/R
T- 332	1.775	2 1/16	3/8	45	T- 2596	1 13/16	2.135	7/16	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 797	1 13/16	2.160	.350	45	T- 324	1 7/8	2 1/8	7/32	45
T- 331	1 13/16	2 3/16	3/16	45	T- 321	1 7/8	2 1/8	1/4	45
T- 1506	1 13/16	2 3/16	7/32	45	T- 2781	1 7/8	2 1/8	.290	45
T- 340	1 13/16	2 3/16	1/4	45	T- 1980	1.866	2.150	.292	30
T- 319	1 13/16	2 3/16	9/32	45	T- 2705	1 7/8	2.167	7/16	30/R
T- 335	1 13/16	2 3/16	5/16	45	T- 330	1 7/8	2 3/16	3/16	45
T- 493	1 13/16	2 3/16	11/32	45	T- 344	1 7/8	2 3/16	1/4	30
T- 320	1 13/16	2 3/16	3/8	45	T- 322	1 7/8	2 3/16	9/32	45
T- 2595	1 13/16	2 3/16	7/16	30/R	T- 1789	1 7/8	2 3/16	3/8	45
T- 1748	1 13/16	2 3/16	1/2	45	T- 1752	1 7/8	2 3/16	7/16	30/R
T- 1749	1 13/16	2 1/4	1/4	45	T- 2830	1 7/8	2 3/16	29/64	30/R
T- 1750	1 13/16	2 1/4	9/32	45	T- 1792	1 7/8	2.1985	3/8	45
T- 2713	1 13/16	2 1/4	11/32	45	T- 2739	1 7/8	2.205	.290	20/R
T- 2711	1 13/16	2 1/4	3/8	45	T- 1753	1 7/8	2 1/4	1/4	45
T- 1751	1 13/16	2 1/4	7/16	45	T- 1754	1 7/8	2 1/4	9/32	30
T- 2780	1 13/16	2.300	3/8	45	T- 1755	1 7/8	2 1/4	9/32	45
T- 2708	1 13/16	2 5/16	9/32	45	T- 1767	1 7/8	2 1/4	5/16	45
T- 2724	1 13/16	2 5/16	11/32	-/R	T- 1541	1 7/8	2 1/4	.352	45
T- 2712	1 13/16	2 5/16	3/8	45	T- 1756	1 7/8	2 1/4	3/8	45
T- 2703	1 13/16	2 5/16	7/16	45	T- 1779	1 7/8	2 5/16	1/4	45
T- 2607	1.813	2.140	.438	45	T- 2759	1 7/8	2 5/16	9/32	45
T-11640	1.815	2.100	.400	45	T- 2707	1 7/8	2 5/16	3/8	45
T- 649	1.820	2.200	5/16	45/R	T- 2709	1 7/8	2 5/16	7/16	45
T- 1959	1 53/64	2.015	9/32	45	T- 1757	1 7/8	2 5/16	7/16	30/R
T- 399	1 53/64	2 3/32	9/32	45	T- 2734	1.875	2.368	.383	30/R
T- 1141	1.830	2.165	.343	45	T- 2732	1 7/8	2.368	.440	20
T- 2597	1.830	2.2000	.312	45/R	T- 2731	1 7/8	2.368	.460	20
T- 2727	1.837	2 3/8	.368	45/R	T- 1788	1 7/8	2.368	3/8	20
T- 736	1.840	2.1305	.237	45	T- 1777	1 7/8	2 3/8	3/8	45
T- 2717	1 27/32	2.220	5/16	45	T- 2386	1 7/8	2 3/8	7/16	45
T- 2704	1 27/32	2 7/32	5/16	45	T- 2758	1 7/8	2.387	.383	Draw
T- 2718	1 27/32	2.230	5/16	45	T- 2168	1 7/8	2.388	.395	20
T- 1707	1.845	2.300	3/8		T- 1891	1.890	2 1/4	.210	---
T- 8260	1.850	2.2845	.250		T- 8262	1.890	2.3235	.250	
T- 8360	1.850	2.2845	.312		T- 8362	1.890	2.3235	.312	
T- 8060	1.850	2.2845	.433		T- 8062	1.890	2.3235	.433	
T- 3630	1.862	2.609	.830	45	T- 8264	1.890	2.3625	.250	
T- 2085	1.865	2 3/8	.296	45/R	T- 8364	1.890	2.3625	.312	
T- 1981	1.871	2.205	.305	30/R	T- 8064	1.890	2.3625	.453	
T- 1769	1 7/8	2 1/8	3/16	45	T- 2367	1.890	2.368	.460	20/S

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2760	1.890	2.368	.460	20/R	T- 1763	1 15/16	2 3/8	9/32	45
T- 2747	1.894	2 1/2	.350	30/R	T- 1764	1 15/16	2 3/8	5/16	45
T- 2754	1.895	2.2475	.3525		T- 1154	1 15/16	2 3/8	.323	30
T- 2751	1.895	2.3675	.383	30/R	T- 1153	1 15/16	2.3815	.323	---
T- 2787	1.895	2.387	.365	20/R	T- 819	1 15/16	2 5/8	7/16	45
T- 2788	1.895	2.387	.440	20/R	T-11650	1.947	2.250	.312	45/R
T- 2789	1.895	2.387	.455	20/R	T- 1793	1.949	2 7/16	.433	45
T- 2740	1.900	2.089	3/16	45	T- 758	1.950	2.505	.375	30
T- 818	1.900	2.500	1/2	45	T- 2893	1.953	2.4065	.375	30/R
T- 2723	1 29/32	2 1/8	.225	30	T- 1780	1 61/64	2 1/4	1/4	45
T- 2720	1 29/32	2 1/8	1/4	45	T- 2755	1.960	2.2125	.250	45
T- 2932	1 29/32	2 5/16	7/32	45	T- 1543	1.969	2.414	.394	45
T- 2757	1.921	2.368	.395		T- 1544	1.969	2.422	.394	45
T- 2700	1.921	2.368	.440	45	T- 8268	1.969	2.4415	.250	
T- 873	1.925	2.380	.315	30	T- 8368	1.969	2.4415	.312	
T- 8266	1.929	2.4025	.250		T- 8068	1.969	2.4415	.453	
T- 8366	1.929	2.4025	.312		T- 1573	1.970	2.387	.382	30
T- 8066	1.929	2.4025	.453		T- 2753	1.970	2.387	.383	30/R
T- 3764	1.930	2.288	.307	30/P	T- 2752	1.970	2.3875	.383	30/R
T- 1797	1.930	2.296	.394	45	T- 8680	1.970	2.440	.450	45
T- 1796	1.930	2.304	.394	45	T- 2969	1.975	2.284	.304	30
T- 1795	1.930	2.323	.394	45	T- 2782	1.975	2.3675	.393	45/R
T- 2165	1.937	2.313	.390	45/R	T- 2783	1.975	2.3675	.440	45
T- 1790	1 15/16	2 1/8	3/16	45	T- 2784	1.975	2.3675	.485	45
T- 2389	1 15/16	2 1/8	7/32	45	T- 832	2	2 1/4	3/16	45
T- 1791	1 15/16	2 1/8	.230	30	T- 837	2	2 1/4	7/32	45/R
T- 2721	1 15/16	2 1/8	1/4	45	T- 1540	2	2 1/4	7/32	45
T- 2722	1 15/16	2 3/16	1/4	45	T- 833	2	2 1/4	1/4	45
T- 1758	1 15/16	2 3/16	7/16	30	T- 839	2	2 1/4	9/32	45
T- 1768	1 15/16	2.206	15/64	45	T- 855	2	2.288	.423	45
T- 1759	1 15/16	2 1/4	3/16	45	T- 801	2	2 5/16	1/4	45
T- 1773	1 15/16	2 1/4	7/32	45/R	T- 802	2	2 5/16	9/32	45
T- 2973	1 15/16	2 1/4	7/32	45	T- 843	2	2 5/16	3/8	45
T- 1760	1 15/16	2 1/4	1/4	45	T- 1542	2	2.370	.352	30
T- 1761	1 15/16	2 1/4	9/32	45	T- 872	2	2.372	3/8	45
T- 1771	1 15/16	2.256	3/16	15	T- 803	2	2 3/8	3/16	30
T- 1783	1 15/16	2 5/16	1/4	---	T- 848	2	2 3/8	3/16	45
T- 1762	1 15/16	2 5/16	9/32	45	T- 804	2	2 3/8	7/32	45
T- 1782	1 15/16	2 5/16	5/16	---	T- 805	2	2 3/8	1/4	45
T- 2079	1 15/16	2 5/16	11/32	30	T- 806	2	2 3/8	9/32	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 807	2	2 3/8	5/16	---	T- 1309	2 1/32	2 7/16	5/16	30
T- 830	2	2 3/8	.322	30	T- 1311	2 1/32	2 1/2	5/16	30
T- 808	2	2 3/8	3/8	45	T- 859	2.035	2.380	.315	30
T- 849	2	2.385	9/32	45	T- 863	2.035	2 3/8	.315	30
T- 2798	2	2.398	.460	20	T- 1551	2.040	2.450	3/8	45
T- 809	2	2.437	1/4	45	T- 857	2.045	2.367	.382	30
T- 816	2	2 7/16	1/4	45	T- 842	2 3/64	2.366	3/8	30
T- 840	2	2 7/16	9/32	45	T- 825	2 3/64	2 7/16	.300	30
T- 810	2	2 7/16	3/8	45	T- 8272	2.047	2.5205	.250	
T- 811	2	2 7/16	7/16	45	T- 8372	2.047	2.5205	.312	
T- 2598	2.000	2.4500	.312	45/R	T- 8072	2.047	2.5205	.453	
T- 1550	2.000	2.450	.375		T- 1354	2.050	2.318	.234	---
T- 1505	2	2.469	.300	30	T- 1352	2.050	2.318	9/32	45
T- 831	2	2.505	.420		T- 1301	2 1/16	2 3/8	1/4	45
T- 812	2	2 1/2	9/32	45	T- 1302	2 1/16	2 3/8	5/16	45
T- 813	2	2 1/2	3/8	45	T- 1304	2 1/16	2 7/16	.300	30
T- 850	2	2 1/2	3/8	-/R	T- 1303	2 1/16	2 7/16	5/16	30
T- 815	2	2 1/2	7/16	45	T- 1305	2 1/16	2 1/2	1/4	45
T- 814	2	2 1/2	1/2	45	T- 1306	2 1/16	2 1/2	9/32	45
T- 834	2	2 1/2	1/2	45/R	T- 1343	2 1/16	2 1/2	.300	30
T- 820	2	2 33/64	1/2	45	T- 1338	2 1/16	2 1/2	5/16	45
T- 821	2	2 9/16	1/2	45	T- 1307	2 1/16	2 1/2	3/8	45
T- 822	2	2 5/8	9/32	45	T- 1346	2 1/16	2 1/2	.382	-/R
T- 823	2	2 5/8	5/16	45	T- 827	2 1/16	2 1/2	13/32	45/R
T- 824	2	2 5/8	3/8	45	T- 817	2 1/16	2 1/2	7/16	45/R
T- 9605	2	3.473	2 1/2	45	T- 826	2 1/16	2 1/2	.485	45/R
T- 9610	2	3.473	2 1/2	15	T- 835	2 1/16	2 1/2	1/2	45/R
T- 8270	2.008	2.4805	.250		T- 846	2 1/16	2 1/2	1/2	45
T- 8370	2.008	2.4805	.312		T- 1308	2 1/16	2 17/32	3/8	45
T- 8070	2.008	2.4805	.453		T- 1313	2 1/16	2 9/16	5/16	30/R
T- 828	2.023	2 1/2	.545	45	T- 836	2 1/16	2 9/16	1/2	45/R
T- 829	2.023	2 9/16	.545	45	T- 1324	2 1/16	2.570	.620	---
T- 862	2.026	2 3/8	5/16	30	T- 1326	2 1/16	2.600	.620	---
T- 1518	2 1/32	2 1/4	3/16	45	T- 1310	2 1/16	2 5/8	5/16	45
T- 1508	2 1/32	2 9/32	.238	45/R	T- 1312	2 1/16	2 5/8	3/8	45
T- 851	2 1/32	2.368	3/8	30	T- 1362	2 1/16	2 11/16	3/8	45
T- 853	2 1/32	2 3/8	5/16	30	T- 1361	2 1/16	2 3/4	11/32	45
T- 856	2 1/32	2.380	.323	30	T- 8274	2.087	2.5595	.250	
T- 852	2 1/32	2 3/8	.330	30	T- 8374	2.087	2.5595	.312	
T- 841	2 1/32	2 3/8	3/8	30	T- 8074	2.087	2.5595	.453	

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1314	2 3/32	2 5/8	3/8	---	T- 1332	2 11/64	2.688	3/8	30
T- 800	2.100	2 3/8	3/8	45	T- 860	2.180	2.5000	.545	45
T- 5311	2.110	2.762	.354	30	T- 2414	2 3/16	2 1/2	1/4	30
T- 2928	2.120	2.528	.285	30	T- 1335	2 3/16	2 1/2	5/16	45
T- 845	2 1/8	2.418	1/2	30/R	T- 1334	2 3/16	2 1/2	3/8	30
T- 2009	2 1/8	2.435	5/8	30	T- 871	2 3/16	2 1/2	1/2	45/R
T- 2020	2 1/8	2.435	5/8	30/R	T- 2003	2 3/16	2 1/2	11/16	45
T- 2170	2 1/8	2.440	.615	30/	T- 2005	2 3/16	2 1/2	11/16	45/R
T- 2171	2 1/8	2.440	.615	30/R	T- 1340	2 3/16	2 35/64	3/8	30
T- 1321	2 1/8	2 7/16	3/16	45	T- 1339	2 3/16	2 9/16	1/4	30
T- 1315	2 1/8	2 7/16	5/16	45	T- 1336	2 3/16	2 9/16	5/16	30
T- 2047	2 1/8	2 7/16	.433	45	T- 1341	2 3/16	2 9/16	3/8	45
T- 890	2 1/8	2 7/16	1/2	30/R	T- 2001	2 3/16	2 9/16	11/16	45
T- 2008	2 1/8	2 7/16	1/2	30	T- 2004	2 3/16	2 9/16	3/4	45
T- 2010	2 1/8	2 7/16	5/8	30	T- 1337	2 3/16	2 5/8	5/16	45
T- 2050	2 1/8	2 7/16	5/8	30/R	T- 1342	2 3/16	2 5/8	3/8	45
T- 1318	2 1/8	2 1/2	1/4	30	T- 701	2 3/16	2 11/16	1/2	45
T- 1319	2 1/8	2 1/2	1/4	45	T- 2411	2 3/16	2 7/8	3/8	45/R
T- 1320	2 1/8	2 1/2	5/16	45	T- 767	2.200	2.4905	3/8	
T- 844	2 1/8	2 1/2	1/2	30/R	T- 8276	2.200	2.6775	.250	
T- 847	2 1/8	2 1/2	1/2	30	T- 8376	2.200	2.6775	.312	
T- 2011	2 1/8	2 1/2	5/8	30	T- 8076	2.200	2.6775	.472	
T- 2051	2 1/8	2 1/2	5/8	30/R	T- 1360	2 15/64	2.459	.385	30
T- 1322	2 1/8	2 9/16	1/4	30	T- 8278	2.244	2.7565	.250	
T- 1323	2 1/8	2 9/16	5/16	45	T- 8378	2.244	2.7565	.312	
T- 1316	2 1/8	2 5/8	5/16	45	T- 8078	2.244	2.7565	.472	
T- 1317	2 1/8	2 5/8	3/8	45	T- 5310	2.244	2.762	.354	30/R
T- 2006	2 1/8	2 5/8	1/2	30/R	T- 1345	2 1/4	2 1/2	1/4	45
T- 2007	2 1/8	2 5/8	5/8	30	T- 2425	2.250	2.628	.390	15/R
T- 2403	2 1/8	2 7/8	9/16	---	T- 1348	2 1/4	2 5/8	1/4	30
T- 3625	2.125	3.353	1.777	30	T- 1349	2 1/4	2 5/8	1/4	45
T- 1325	2 5/32	2 1/2	1/4	45	T- 1350	2 1/4	2 5/8	5/16	45
T- 1328	2 5/32	2 1/2	1/2	45	T- 1351	2 1/4	2 5/8	3/8	45
T- 1327	2 5/32	2 17/32	3/8	45	T- 881	2 1/4	2 5/8	9/16	45/R
T- 1329	2 5/32	2 9/16	3/8	45	T- 2012	2 1/4	2 5/8	5/8	30
T- 1330	2 5/32	2 5/8	3/8	45	T- 1353	2 1/4	2 11/16	5/16	45
T- 1347	2.165	2 1/2	.433	45	T- 702	2 1/4	2 3/4	5/16	45
T- 1344	2 11/64	2 7/16	1/4	30	T- 703	2 1/4	2 3/4	3/8	45
T- 1333	2 11/64	2 1/2	1/4	30	T- 704	2 1/4	2 3/4	1/2	45
T- 1331	2 11/64	2.688	5/16	30	T- 726	2 1/4	2 13/16	5/16	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 705	2 1/4	2 13/16	1/2	45	T- 720	2 3/8	2 3/4	3/8	45
T- 706	2 1/4	2 7/8	3/8	45	T- 717	2 3/8	2 3/4	.433	45
T- 730	2 1/4	2 7/8	1/2	45	T- 719	2 3/8	2 13/16	5/16	45/R
T- 2401	2 1/4	2 15/16	3/8	45	T- 721	2 3/8	2 13/16	3/8	30
T- 2424	2 1/4	3	5/16	45	T- 620	2 3/8	2 7/8	1/4	30
T- 2404	2 1/4	3	15/32	30	T- 619	2 3/8	2 7/8	5/16	45
T- 724	2 9/32	2 9/16	1/2	30/R	T- 601	2 3/8	2 7/8	3/8	30
T- 2040	2 9/32	2 9/16	5/8	30/R	T- 602	2 3/8	2 7/8	3/8	45/R
T- 707	2 9/32	2.574	1/2	30/R	T- 689	2 3/8	2 7/8	3/8	45
T- 770	2 9/32	2.590	5/8	30	T- 603	2 3/8	2 7/8	9/16	45
T- 2021	2 9/32	2.590	5/8	30/R	T- 612	2 3/8	2 7/8	9/16	15
T- 2022	2 9/32	2.592	5/8	30/R	T- 656	2 3/8	2 7/8	9/16	30
T- 2172	2 9/32	2.595	.615	30/R	T- 604	2 3/8	2 15/16	1/2	45
T- 742	2 9/32	2 5/8	1/2	30/R	T- 605	2 3/8	2 15/16	9/16	45
T- 743	2 9/32	2 5/8	1/2	30	T- 2412	2 3/8	3	3/8	45
T- 2041	2 9/32	2 5/8	5/8	30/R	T- 610	2 3/8	3	9/16	45
T- 2042	2 9/32	2 5/8	5/8	30	T- 3101	2 3/8	3.122	27/32	45
T- 708	2 9/32	2 3/4	1/2	30/R	T- 2405	2 3/8	3 1/8	3/8	45
T- 718	2 9/32	2 3/4	1/2	30	T- 402	2 13/32	3 1/8	3/8	45
T- 2039	2 9/32	2 3/4	5/8	30/R	T- 615	2 7/16	2 7/8	5/16	45
T- 709	2 9/32	2 7/8	3/8	45	T- 611	2 7/16	2 7/8	3/8	45
T- 780	2.297	2.846	.358	45/R	T- 631	2 7/16	3.002	7/16	15
T- 624	2 5/16	2 11/16	1/4	30	T- 1186	2 7/16	3.0025	.555	20
T- 729	2 5/16	2 3/4	.288	30	T- 1196	2 7/16	3.0025	.555	30
T- 710	2 5/16	2 3/4	5/16	30	T- 627	2 7/16	3.004	13/32	45/R
T- 711	2 5/16	2 3/4	3/8	45	T- 1188	2 7/16	3	.525	20
T- 712	2 5/16	2 3/4	7/16	45	T- 1194	2 7/16	3	.525	30
T- 713	2 5/16	2.808	1/2	30/R	T- 1191	2 7/16	3	.535	20
T- 727	2 5/16	2 7/8	1/4	45	T- 1192	2 7/16	3	.535	30
T- 728	2 5/16	2 7/8	5/16	45	T- 629	2 7/16	3	.555	30
T- 621	2 5/16	2 15/16	5/16	30	T- 630	2 7/16	3	.555	20
T- 2904	2 23/64	2.962	.336	45/R	T- 1245	2 7/16	3	1/2	30
T- 3500	2.360	3 1/8	.661	45/R	T- 1187	2 7/16	3.1275	.555	20
T- 3505	2.360	3 1/8	.710	45/R	T- 1197	2 7/16	3.1275	.555	30
T- 3510	2.360	3 1/8	.710	45/R	T- 1195	2 7/16	3 1/8	.525	30
T- 714	2 3/8	2 11/16	1/4	30	T- 1193	2 7/16	3 1/8	.535	30
T- 723	2 3/8	2.752	7/16	45/R	T- 1246	2 7/16	3 1/8	.540	30
T- 722	2 3/8	2 3/4	1/4	30	T- 1248	2 7/16	3 1/8	.555	30
T- 716	2 3/8	2 3/4	9/32	30	T- 2410	2 7/16	3 1/8	3/8	45
T- 715	2 3/8	2 3/4	3/8	30	T- 1189	2 7/16	3 1/8	.525	20

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 1190	2 7/16	3 1/8	.535	20	T- 1234	2 37/64	3 1/8	.575	45
T- 1244	2 7/16	3 1/8	.555	20	T- 445	2 37/64	3 1/8	3/8	45
T- 404	2 1/2	2 13/16	3/8	45	T- 1230	2 37/64	3 1/8	.610	45
T- 405	2 1/2	2 7/8	5/16	45	T- 1235	2 37/64	3 1/8	.610	30
T- 410	2 1/2	2 7/8	3/8	45	T- 428	2 5/8	3 1/8	3/8	30
T- 411	2 1/2	2 15/16	5/16	45	T- 672	2 5/8	3 1/8	3/8	45
T- 440	2 1/2	2 15/16	3/8	45	T- 1231	2 5/8	3 1/8	.610	30
T- 608	2 1/2	2 15/16	9/16	45	T- 1232	2 5/8	3 1/8	.610	45
T- 1198	2 1/2	3.0025	.555	30	T- 1243	2 5/8	3 1/8	5/8	45
T- 401	2 1/2	3	1/4	45	T- 1242	2 5/8	3 1/8	.710	---
T- 403	2 1/2	3	9/32	45	T- 1209	2 5/8	3 3/16	9/16	45
T- 408	2 1/2	3	5/16	30	T- 1215	2 5/8	3 1/4	9/16	45
T- 409	2 1/2	3	3/8	45	T- 430	2 41/64	3 1/8	3/8	45
T- 412	2 1/2	3	3/8	30	T- 1233	2 21/32	3 1/8	.610	45
T- 613	2 1/2	3	1/2	30	T- 1210	2 21/32	3.184	.535	45
T- 614	2 1/2	3	1/2	45	T- 1222	2 21/32	3.185	.595	45
T- 1226	2 1/2	3.0655	5/8	45	T- 1255	2 21/32	3 3/16	9/16	45
T- 413	2 1/2	3 1/16	9/32	45	T- 1256	2 21/32	3 3/16	9/16	30
T- 414	2 1/2	3 1/16	3/8	30	T- 1216	2 21/32	3.210	17/32	45
T- 1199	2 1/2	3.1275	.555	30	T- 1265	2 21/32	3.213	.565	30
T- 415	2 1/2	3 1/8	9/32	30	T- 1211	2 11/16	3 1/8	1/2	45
T- 420	2 1/2	3 1/8	9/32	45	T- 1217	2 11/16	3 1/8	5/8	30
T- 421	2 1/2	3 1/8	3/8	30	T- 431	2 3/4	3 1/16	3/8	30
T- 422	2 1/2	3 1/8	3/8	45	T- 432	2 3/4	3 1/8	3/8	45
T- 1214	2 1/2	3 1/8	1/2	45	T- 1212	2 3/4	3 1/8	9/16	45
T- 1206	2 1/2	3 1/8	9/16	30	T- 1220	2 3/4	3 1/8	5/8	45
T- 1250	2 1/2	3 1/8	.610	30	T- 433	2 3/4	3 3/16	3/8	45
T- 537	2 1/2	3.133	1/2	45	T- 1221	2 3/4	3 3/16	5/8	45
T- 424	2 1/2	3 3/16	3/8	45	T- 503	2 3/4	3 1/4	3/8	45
T- 1207	2 1/2	3 3/16	1/2	45	T- 1219	2 3/4	3 1/4	5/8	45
T- 1204	2 1/2	3 1/4	1/2	45	T- 504	2 3/4	3 5/16	9/32	30
T- 1205	2 1/2	3 1/4	9/16	45	T- 505	2 3/4	3 5/16	7/16	30
T- 3620	2.515	2.9575	1.650	30	T- 509	2 3/4	3 5/16	7/16	45/R
T- 425	2 17/32	3 1/8	3/8	45	T- 1213	2 3/4	3 5/16	9/16	45
T- 1223	2 17/32	3 1/8	9/16	45/R	T- 506	2 3/4	3 3/8	7/16	30
T- 426	2 17/32	3 3/16	3/8	45	T- 512	2 13/16	3.411	5/16	45/R
T- 1225	2 9/16	3 1/8	21/64	30	T- 1041	2.850	3.502	7/16	15
T- 444	2 9/16	3 1/8	3/8	45	T- 1006	2.850	3 1/2	9/16	45
T- 1224	2 9/16	3 1/8	5/8	30	T- 507	2 7/8	3 1/4	5/16	30
T- 1208	2 9/16	3 3/16	9/16	45	T- 510	2 7/8	3 1/4	3/8	30

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 502	2 7/8	3 3/8	3/8	30	T- 1109	3 1/8	3 9/16	1/2	45
T- 508	2 7/8	3 3/8	3/8	45	T- 1110	3 1/8	3 19/32	15/32	45
T- 1001	2 7/8	3.438	7/8	45	T- 1111	3 1/8	3 11/16	7/16	45
T- 1003	2 7/8	3 7/16	7/8	45	T- 1112	3 1/8	3 3/4	7/16	45
T- 1032	2 7/8	3.503	.485	45	T- 1113	3 1/8	3 3/4	1/2	30
T- 1004	2 7/8	3 1/2	9/16	45	T- 2602	3 1/8	3 51/64	9/16	45
T- 1005	2 7/8	3 1/2	7/8	45	T- 2103	3 1/8	3 7/8	5/8	45
T- 1025	2 7/8	3.507	1/2	45	T- 2104	3 1/8	3 7/8	1	45
T- 1002	2 57/64	3 1/2	9/16	45/R	T- 2102	3 1/8	4	3/4	45
T- 1101	3	3 1/2	3/8	45	T- 1128	3.150	3.826	.680	20/R
T- 1102	3	3 1/2	7/16	45	T- 1129	3.150	3.826	.680	20/G
T- 1103	3	3 9/16	9/32	30	T- 1137	3.150	3.826	.665	20/R
T- 1104	3	3 9/16	.350	---	T- 1133	3.150	3.826	.720	20/R
T- 1138	3	3.567	.361	45/R	T- 1114	3 7/32	3 3/4	3/8	30
T- 1126	3	3 9/16	.362	30	T- 1123	3 1/4	3 11/16	5/16	45
T- 1105	3	3 9/16	7/16	45	T- 1130	3 1/4	3 25/32	11/32	30
T- 1145	3	3 9/16	7/16	45/R	T- 2604	3 1/4	3 25/32	1/2	30
T- 1020	3	3 9/16	9/16	45	T- 1115	3 1/4	3 13/16	9/32	30
T- 1135	3	3.590	7/16	45	T- 1116	3 1/4	3 13/16	5/16	30
T- 1122	3	3 5/8	11/32	45	T- 1117	3 1/4	3 13/16	3/8	30
T- 1106	3	3 5/8	3/8	45	T- 2108	3 1/4	3 13/16	5/8	30
T- 1121	3	3 5/8	1/2	45	T- 1118	3 1/4	3 7/8	5/16	30
T- 1009	3	3 5/8	15/16	45	T- 2105	3 1/4	3.938	29/32	45
T- 1024	3	3.696	9/16	45	T- 2112	3 1/4	3.938	1	45
T- 1015	3	3.702	11/16	45	T- 2113	3 1/4	3.938	1	30
T- 1131	3	3 3/4	3/8	45	T- 2175	3 1/4	3.940	.975	30
T- 1120	3	3 3/4	1/2	45	T- 2129	3 1/4	3 15/16	29/32	30
T- 1127	3 1/32	3 11/16	7/16	30	T- 2130	3 1/4	3 15/16	29/32	45
T- 1107	3 1/16	3 1/2	3/8	45	T- 2123	3 1/4	3 15/16	.852	30
T- 1119	3 1/16	3 9/16	7/16	45	T- 2110	3 1/4	3 15/16	1	45
T- 1012	3 1/16	3 5/8	1	45	T- 2111	3 1/4	3 15/16	1	30
T- 1008	3 1/16	3 5/8	5/8	45	T- 2107	3 1/4	3 15/16	9/16	45
T- 2101	3 1/16	4	1	45	T- 2116	3 1/4	3 31/32	1	30
T- 3600	3 1/16	4 1/8	1	30	T- 2106	3 1/4	3 31/32	1	45
T- 3608	3 1/16	4 1/8	1	30/R	T- 2120	3 1/4	4.004	1/2	45
T- 6100	3 1/16	4 7/16	1 1/32	45/R	T- 2128	3 1/4	4.004	1/2	30
T- 6510	3 1/16	4 1/2	1 1/8	45	T- 2117	3 1/4	4	1	30
T- 4220	3.110	4.0395	1.594	30	T- 2109	3 1/4	4	1	45
T- 2601	3 1/8	3 9/16	7/16	45/R	T- 2118	3 1/4	4 1/16	1	30
T- 1108	3 1/8	3 9/16	7/16	45	T- 6522	3 1/4	4 1/16	3/4	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2100	3 1/4	4 1/16	1	45	T- 1411	3 9/16	4 7/16	1/2	---
T- 3604	3 1/4	4.094	5/8	45	T- 1405	3 5/8	4 3/16	1/2	45
T- 3606	3 1/4	4.094	5/8	30	T- 1401	3 5/8	4 1/4	3/8	30
T- 3602	3 1/4	4.128	1	30/R	T- 1402	3 5/8	4 5/16	3/8	30
T- 3601	3 1/4	4 1/8	1	45	T- 2203	3 5/8	4 3/8	29/32	45
T- 3603	3 1/4	4 1/8	1	30	T- 2115	3 5/8	4 3/8	1 1/8	45
T- 3607	3 1/4	4 1/8	3/4	45	T- 1403	3 5/8	4 3/8	1/2	45
T- 1125	3 5/16	3 11/16	5/16	45	T- 2201	3 5/8	4 1/2	9/16	45
T- 1124	3 5/16	3 11/16	3/8	45	T- 2275	3 5/8	4 1/2	3/4	45
T- 2152	3 5/16	4 5/16	1 1/8	45	T- 2202	3 5/8	4 9/16	9/16	45
T- 7209	3.350	4.334	1.415		T- 6505	3 5/8	4 5/8	1 1/8	45
T- 4180	3.374	4.1803	1.563	20	T- 6511	3 5/8	4 5/8	1 1/8	30/R
T- 4102	3 3/8	4	1 3/4	45	T- 6513	3 5/8	4 5/8	1 1/8	15/R
T- 4104	3 3/8	4	1 3/4	30	T- 7210	3 5/8	4.6805	1 1/2	45
T- 4108	3 3/8	4	1 3/4	15	T- 2154	3 11/16	4.565	7/8	45
T- 4211	3 3/8	4 1/8	9/16	45	T- 6502	3 47/64	5.003	1 1/8	45
T- 4210	3 3/8	4 1/8	7/8	45	T- 8705	3.740	5.077	1	30/C
T- 4215	3 3/8	4 1/8	.889	45	T- 6501	3 3/4	4 1/2	1 1/4	30
T- 2211	3 3/8	4 1/4	1	45	T- 6503	3 3/4	4 1/2	1 1/4	15
T- 3605	3 3/8	4.503	1.188	30/R	T- 2223	3 3/4	4 1/2	5/8	45
T- 6529	3.400	4.377	1.250	30/R	T- 2155	3 3/4	4 9/16	3/4	45
T- 7206	3.400	4.377	1 1/4	30/R	T- 2161	3 3/4	4 9/16	7/8	30
T- 6523	3.465	4.414	.870		T- 2162	3 3/4	4 9/16	7/8	45
T- 6514	3.474	4 1/4	9/16	45/R	T- 2204	3 3/4	4 5/8	21/32	45
T- 1410	3 1/2	4.003	.490	30	T- 2205	3 3/4	4 5/8	3/4	45
T- 1400	3 1/2	4	29/64	20	T- 2217	3 3/4	4.688	1	45/R
T- 1404	3 1/2	4	29/64	30	T- 2219	3 3/4	4.688	1	30/R
T- 1413	3 1/2	4	1/2	30	T- 2222	3 3/4	4 11/16	3/4	45
T- 1407	3 1/2	4.006	7/16	20/R	T- 2214	3 3/4	4.7495	25/32	30/R
T- 6516	3 1/2	4 1/8	1 1/4	45	T- 2215	3 3/4	4.7495	25/32	15/R
T- 6517	3 1/2	4 7/32	5/8	45/R	T- 2216	3 3/4	4.7495	25/32	45/R
T- 6515	3 1/2	4 1/4	9/16	30	T- 2207	3 3/4	4 3/4	25/32	30/R
T- 2232	3 1/2	4 1/4	3/4	20	T- 2206	3 3/4	4 3/4	51/64	45
T- 2220	3 1/2	4.376	.803	30	T- 2208	3 3/4	4 3/4	25/32	45/R
T- 6519	3 1/2	4.3785	1.249	30/R	T- 2221	3 3/4	4.8695	.812	25/R
T- 2234	3 1/2	4 3/8	29/64	45	T- 2218	3 3/4	4.8695	.812	45/R
T- 2224	3 1/2	4 3/8	11/16	20	T- 2210	3 7/8	4 1/4	1	45
T- 2250	3 1/2	4 1/2	1/2	45	T- 2124	3 7/8	4.6275	15/16	30
T- 2251	3 1/2	4 1/2	11/16	---	T- 2176	3 7/8	4.628	.975	30
T- 2249	3 1/2	4 11/16	3/4	45/R	T- 2131	3 7/8	4 5/8	29/32	45

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 2121	3 7/8	4 5/8	1	45	T- 6015	4 1/4	5 3/8	3/4	45
T- 2119	3 7/8	4 5/8	15/16	30	T- 4014	4 1/4	5.394	1	45
T- 2167	3 7/8	4 5/8	31/32	30	T- 4015	4 1/4	5.394	1	30
T- 2122	3 7/8	4 5/8	1	30	T- 4016	4 1/4	5.416	1	45
T- 2114	3 7/8	4 21/32	1	30	T- 4013	4.260	5 3/32	7/16	30/R
T- 7500	3 7/8	4 7/8	9/16	30	T- 4006	4 5/16	5 7/16	1 3/8	45
T- 2125	3 7/8	4.9995	7/8	45/R	T- 4008	4 5/16	5 7/16	1 3/8	15
T- 4022	3 7/8	5.121	2	45/R	T- 4007	4 5/16	5 7/16	1 3/8	30
T- 4067	3 15/16	5	31/32	30	T- 6101	4 5/16	5.890	1 1/4	45/R
T- 2209	4	4 5/8	9/16	45	T- 2150	4 3/8	5 1/4	1	45
T- 4024	4	4.762	5/8	45	T- 2230	4 3/8	5.3745	3/4	45/R
T- 2233	4	4 13/16	9/16	45	T- 2231	4 3/8	5.375	3/4	45/R
T- 2226	4	4.875	.520	25	T- 4005	4 3/8	5 7/16	1 3/8	45
T- 2225	4	4.8745	.560	45	T- 2235	4 3/8	5.4995	31/32	45/R
T- 2227	4	4.8745	9/16	25	T- 2241	4 3/8	5 1/2	31/32	45/R
T- 2228	4	4.878	.562	30	T- 2238	4 3/8	5.4995	1.094	45/R
T- 2229	4	4.878	1.250	45	T- 2242	4 3/8	5.504	1 3/32	45/R
T- 4023	4	5	1/2	45	T- 4045	4.423	5.755	1.175	45/R
T- 4021	4	5.383	1.406	45	T- 6508	4 1/2	5 1/4	1 1/4	15
T- 4025	4	5.400	1.406	45	T- 1406	4 1/2	5 1/4	.475	30
T- 4019	4	5.437	1 3/8	45	T- 1408	4 1/2	5 1/4	9/16	45
T- 4040	4 1/32	5	1	45/C	T- 1409	4 1/2	5 1/4	9/16	30
T- 4041	4 1/32	5	1	45	T- 6507	4 1/2	5 1/4	1 1/4	30
T- 4042	4 1/32	5	1	30	T- 6509	4 1/2	5 1/4	1 1/4	20
T- 4107	4 1/16	4 13/16	1 3/4	45	T- 4054	4 1/2	5 3/8	11/16	45
T- 6042	4 1/16	4 7/8	1/2	45	T- 4051	4 1/2	5.490	5/8	45
T- 6043	4 1/16	4 7/8	1/2	15/R	T- 4055	4 1/2	5 1/2	11/16	45
T- 4113	4 1/16	5	3/4	30/R	T- 4050	4 1/2	5 1/2	3/4	45
T- 4106	4 1/16	5 3/16	1 3/8	45	T- 4052	4 1/2	5 5/8	1 3/8	30
T- 4110	4 1/16	5 3/16	1 3/8	15	T- 4053	4 1/2	5 5/8	1 3/8	15
T- 4109	4 1/16	5 3/16	1 3/8	30	T- 4101	4 1/2	5 5/8	1 3/8	45
T- 6103	4 1/16	5.395	1	45	T- 6556	4 1/2	5.731	.885	20/R
T- 6040	4 1/16	5 7/16	1.921	45	T- 6531	4 1/2	5.731	61/64	30/R
T- 6102	4 1/16	5.750	1 5/16	45/R	T- 6552	4 1/2	5.731	1	45/R
T- 4115	4 1/8	4.755	1/2	30	T- 6555	4 1/2	5.741	.885	20/R
T- 664	4 1/8	4 3/4	3/8	0/G	T- 6550	4 1/2	5.740	61/64	20/R
T- 4105	4 1/8	5 3/16	1 3/8	45	T- 6553	4 1/2	5.741	1	45/R
T- 4111	4 1/8	5.364	1.650	30/R	T- 6560	4 1/2	5.741	1.421	30/R
T- 4112	4 1/4	5	9/16	45	T- 6561	4 1/2	5.741	1.421	20/R
T- 6010	4 1/4	5.376	1	45	T- 6551	4 1/2	5.742	61/64	30/R

Valve Seat Listing By I.D. Order

Stock No.	ID	OD	Depth	Seat Angle	Stock No.	ID	OD	Depth	Seat Angle
T- 4034	4 1/2	5.253	1.225	30/R	T- 6518	5 1/2	6 1/2	3/4	30
T- 6576	4.500	5.800	3/4	20/R	T- 7205	5 1/2	6 1/2	11/16	15
T- 6570	4.500	5.800	3/4	45/R	T- 7223	5 1/2	6 5/8	11/16	45
T- 6575	4.500	5.800	3/4	20/R	T- 7222	5 1/2	6 7/8	1 3/4	45
T- 4030	4 5/8	5.583	9/16	30	T- 6012	5.620	7.0005	.935	45/R
T- 4032	4.648	5.755	1.175	45/R	T- 6003	5 5/8	6.7495	15/16	45/R
T- 4046	4.648	5.755	1.175	30/R	T- 6013	5 5/8	6 3/4	15/16	45/R
T- 2151	4 11/16	5.563	1	45	T- 6017	5 5/8	6 15/16	1 1/8	45/R
T- 4010	4 47/64	5 1/2	13/16	45	T- 6018	5 5/8	6.995	1 1/8	45/R
T- 2149	4 3/4	5.563	1	45	T- 7230	5 5/8	7 5/16	1 7/8	45
T- 4103	4 3/4	5 9/16	1	45	T- 6000	5 3/4	6.7545	.940	45
T- 4003	4 3/4	5 5/8	3/4	45	T- 6002	5 3/4	6.922	1.125	30/R
T- 4001	4 3/4	5 3/4	11/16	30	T- 6001	5 3/4	6.9255	1 1/8	30/R
T- 4002	4 3/4	5 3/4	11/16	15	T- 6007	5 13/16	6 7/8	3/4	45
T- 2127	4.760	5.752	.952	30	T- 7530	6	7.010	3/4	45
T- 7200	4 15/16	5.877	1/2	20	T- 7531	6	7.255	3/4	45
T- 7204	4 15/16	5.879	9/16	20	T- 7535	6 1/2	7.682	.668	30/R
T- 7201	4 15/16	5 7/8	35/64	30	T- 7541	6 13/16	8	3/4	30
T- 7202	4 15/16	5 7/8	35/64	45/R	T- 7540	7	7.760	11/16	45
T- 7203	4 15/16	5.904	35/64	30	T- 7545	7.000	7.8795	1	45
T- 6030	5	6 9/16	1 7/8	45	T- 7546	7	8.010	3/4	45
T- 6032	5	6 9/16	1 7/8	15	T- 7547	7	8.316	3/4	45
T- 4035	5	5 7/8	9/16	30	T- 7550	7 1/2	8.508	3/4	45
T- 4036	5	5 7/8	9/16	45	T- 7600	9 1/8	10.6275	1	30
T- 6512	5	5 7/8	3/4	45/R	T- 7610	9 1/8	10.7535	1 1/8	30
T- 6506	5	6	3/4	45/R	T- 7611	9 1/8	10 3/4	1	30
T- 6036	5	6.610	2 1/4	45/R	T- 7612	9 1/8	10.800	1 1/8	30
T- 7211	5.190	7.093	2.397	30					
T- 6014	5 1/4	6.934	1 1/8	30/R					
T- 6019	5 1/4	6.907	1 1/8	45					
T- 6004	5 1/4	6.922	1 1/8	45/R					
T- 6008	5 1/4	6.922	1 1/8	30/R					
T- 6009	5 1/4	6.9225	1 1/8	45/R					
T- 6011	5 1/4	6.9225	1 1/8	30/R					
T- 6005	5 1/4	6.9255	1 1/8	30/R					
T- 6020	5 1/4	6.992	1.179	30/R					
T- 7233	5 5/16	7.441	1.771	45					
T- 6006	5 3/8	6.925	1 1/8	30/R					
T- 7224	5 1/2	6 1/2	1	30/S					
T- 6521	5 1/2	6 1/2	11/16	30					

Section V

Other Engine Valve Seat Materials

OTHER INDUSTRIAL ENGINE VALVE SEAT MATERIALS

Tucker valve seats listed with an "E" prefix are made from an alloy of Nickel, Chrome, Tungsten, and Cobalt. This is a non-magnetic material with a Rockwell "C" hardness of 38-42. The E-Series valve seats are most successful and are recommended for L.P. and Natural Gas applications where high temperatures occur.

E-938	1 5/16	x	1 11/16	x	1/4	ang. 45
E-987	1 1/2	x	1 3/4	x	1/4	ang. 45
E-1760	1 15/16	x	2 1/4	x	1/4	ang. 45
E-1809	1 1/2	x	1 13/16	x	5/16	ang. 45
E-2731	1 7/8	x	2.368	x	.460	ang. 20

Tucker valve seats listed with an "N" prefix are a non-magnetic alloy manufactured with high Nickel, Chrome and Molybdenum. This alloy has a Rockwell "C" hardness of 28-38, and is generally used in diesel applications. The N-Series alloy is usually an O. E. equivalent and most successfully used in an environment where no sulphur or sulphur oxides occur.

N-1949	1 11/16	x	2.088	x	.300	ang. 30
N-1965	1 11/16	x	2	x	9/32	ang. 30
N-2113	3 1/4	x	3.938	x	1	ang. 30
N-2160	3 3/4	x	4 9/16	x	7/8	ang. 30
N-2162	3 3/4	x	4 9/16	x	7/8	ang. 45
N-4041	4 1/32	x	5	x	1	ang. 45
N-4066	3 15/16	x	5	x	31/32	ang. 45
N-7000	.975	x	1.262	x	1/4	ang. 30/R
N-7002	1 5/32	x	1 7/16	x	1/4	ang. 30/R
N-7005	.910	x	1.161	x	.222	ang. 30/R

Tucker valve seats listed with an "X" prefix are made of a Stellite #3 material. These valve seats are not coated or Inlayed, but are manufactured in a solid cast material and have a Rockwell "C" hardness of 52-60. This is a non-Magnetic, Chrome, Cobalt, Tungsten alloy manufactured exclusively for Natural Gas engines where a very "hostile" Environment of temperatures exceeding 1600 degrees F over extended periods of time is encountered. This #3 Stellite material is not recommended for standard industrial applications.

X-340	1 13/16	x	2 3/16	x	1/4	ang. 45
X-1270	2 21/32	x	3.184	x	.530	ang. 45 W / P.G.
X-1271	2 21/32	x	3.184	x	.565	ang. 30 W / P.G.
X-1273	2 21/32	x	3.184	x	.530	ang. 45 no ring groove
X-1274	2 21/32	x	3.184	x	.565	ang. 30 no ring groove
X-1749	1 13/16	x	2 1/4	x	1/4	ang. 45
X-1851	1.444	x	1.746	x	5/16	ang. 45
X-1922	1 5/8	x	2	x	9/32	ang. 45
X-2888	1.672	x	2.2885	x	.453	ang. 30/R

Section VI

Interchange Listings

Well-tite to Tucker	409 thru 417
Safeguard to Tucker	418 thru 420
SBI to Tucker	421 thru 427
Snyder to Tucker	428 thru 429

MARTIN-WELLS to Tucker Interchange List

502	T- 278	540	T- 806	581	T- 277	625	T- 1601
503	T- 271	541	T- 711	584	T- 957	626	T- 270
504	T- 935	542	T- 1604	585A	T- 944	627	T- 1115
505	T- 952	543	T- 319	586	T- 917	628	T- 206
506	T- 946	544	T- 1621	587	T- 1841	628A	T- 245
507	T- 966	545	T- 246	588	T- 1732	629	T- 1810
508	T- 984	546	T- 911	590	T- 1730	630	T- 1714
509	T- 982	547	T- 937	591	T- 1348	630A	T- 2816
510	T- 823	548	T- 1715	592	T- 311	631	T- 1318
511	T- 1613	549	T- 1306	593	T- 276	632	T- 211
512	T- 1905	550	T- 222	595	T- 1903	632B	T- 633
513	T- 1617	551	T- 1826	595A	T- 2903	634	T- 1811
514	T- 1627	552	T- 951	596	T- 1605	634A	T- 1971
514A	T- 1630	553	T- 1921	597	T- 1837	635	T- 910
515	T- 1940	553A	T- 1930	598	T- 312	636	T- 807
516	T- 1746	554	T- 305	599	T- 1812	637	T- 814
517	T- 2706	555	T- 1753	600	T- 250	637A	T- 821
518	T- 1745	556	T- 1323	601	T- 306	638	T- 1206
519	T- 1815	557	T- 1612	601A	T- 307	640	T- 1805
520	T- 1760	558	T- 243	602	T- 1819	640A	T- 1830
521	T- 1301	559	T- 1902	603	T- 1814	641	T- 420
522	T- 1319	560	T- 239	604	T- 415	642	T- 251
524	T- 1729	562	T- 413	605	T- 1920	644	T- 1832
525	T- 933	563	T- 1353	606	T- 1744	645	T- 229
526	T- 215	565	T- 1610	607	T- 1909	646	T- 1763
527	T- 1608	566	T- 934	608	T- 1733	647	T- 2005
528	T- 1750	567	T- 962	609	T- 921	647A	T- 2001
529	T- 422	568	T- 958	610	T- 1103	648	T- 1001
529A	T- 424	569	T- 255	611	T- 968	648A	T- 1005
530	T- 308	570	T- 1619	612	T- 969	649	T- 913
531	T- 953	570A	T- 1904	613	T- 813	650	T- 315
532	T- 1922	571	T- 1736	614	T- 824	651	T- 605
533	T- 1756	572	T- 909	615	T- 1314	651A	T- 610
533A	T- 2707	573	T- 1804	616	T- 704	654	T- 425
534	T- 1620	574	T- 1731	616A	T- 705	654A	T- 426
535	T- 929	575	T- 1809	620	T- 505	655	T- 1633
536	T- 960	576	T- 504	620A	T- 506	656	T- 931
537	T- 1755	577	T- 1838	621	T- 1118	657	T- 1002
538	T- 240	578	T- 1823	623	T- 828	658	T- 1209
539	T- 1615	580	T- 920	623A	T- 829	658A	T- 1215

MARTIN-WELLS to Tucker Interchange List

659	T- 1015	702	T- 928	750	T- 1211	801	T- 110
660	T- 701	703	T- 1116	751	T- 2806	802	T- 115
661	T- 1009	704	T- 238	752	T- 703	803	T- 101
662	T- 1330	705	T- 275	753	T- 1207	804	T- 201
663	T- 938	706	T- 1831	754	T- 405	805	T- 204
664	T- 809	707	T- 404	754A	T- 411	806	T- 214
665	T- 7540	708	T- 1320	755	T- 410	807	T- 217
666	T- 4106	709	T- 709	757	T- 2121	808	T- 223
667	T- 4006	710	T- 614	763	T- 1109	809	T- 228
668	T- 7530	711	T- 1716	765	T- 2807	810	T- 234
671	T- 2602	712	T- 1740	766	T- 2320	811	T- 272
676	T- 1111	712A	T- 2702	767	T- 2151	812	T- 478
676A	T- 1112	713	T- 713	768	T- 6512	813	T- 927
677	T- 715	718	T- 430	769	T- 2150	814	T- 932
678	T- 810	720	T- 1102	771	T- 2308	815	T- 954
679	T- 2210	721	T- 1312	774	T- 4001	816	T- 956
680	T- 1008	722	T- 2201	775	T- 2102	817	T- 959
681	T- 2110	723	T- 1852	777	T- 2304	818	T- 1822
681A	T- 2109	724	T- 2249	778	T- 1020	819	T- 1803
682	T- 1821	726	T- 2204	779	T- 7222	820	T- 1602
682A	T- 1842	727	T- 2233	780	T- 4010	822	T- 1848
683	T- 955	728	T- 2205	781	T- 1110	823	T- 2801
684	T- 961	730	T- 981	783	T- 431	824	T- 2808
685	T- 412	731	T- 1342	786	T- 224	825	T- 2115
685A	T- 414	734	T- 1717	787	T- 1624	826	T- 2804
686	T- 1925	734A	T- 1720	787A	T- 1911	827	T- 1713
686A	T- 1962	735	T- 2301	788	T- 613	828	T- 1946
687	T- 936	738	T- 1849	789	T- 310	829	T- 318
688	T- 247	739	T- 1850	790	T- 2825	830	T- 1737
690	T- 1816	740	T- 2803	791	T- 1702	831	T- 1761
692	T- 706	741	T- 1727	792	T- 309	832	T- 811
693	T- 720	742	T- 314	793	T- 254	833	T- 812
694	T- 1329	743	T- 1738	794	T- 835	834	T- 1305
696	T- 1757	744	T- 1751	794A	T- 836	835	T- 1337
697	T- 1728	744A	T- 2703	795	T- 1117	836	T- 1332
698	T- 1735	745	T- 808	796	T- 860	837	T- 702
699	T- 205	746	T- 1307	797	T- 1734	837A	T- 726
700	T- 2822	747	T- 1308	798	T- 227	838	T- 710
701	T- 967	748	T- 819	799	T- 2152	839	T- 602
701A	T- 1834	749	T- 721	800	T- 108	840	T- 1101

MARTIN-WELLS to Tucker Interchange List

841	T- 1105	876	T- 244	934	T- 2809	976	T- 2155
842	T- 1106	877	T- 1853	935	T- 975	977	T- 2020
843	T- 2107	878	T- 822	936	T- 604	977A	T- 2051
844	T- 4211	879	T- 1361	937	T- 322	978	T- 2021
845	T- 3607	880	T- 2401	938	T- 983	978A	T- 2041
846	T- 1403	881	T- 320	940	T- 801	979	T- 304
847	T- 6510	882	T- 1722	941	T- 714	980	T- 1726
848	T- 2209	882A	T- 2832	942	T- 133	981	T- 601
849	T- 2206	885	T- 1912	943	T- 804	982	T- 1941
850	T- 1108	886	T- 1824	944	T- 1325	983	T- 1625
851	T- 4035	886A	T- 1854	945	T- 421	984	T- 1302
852	T- 432	888	T- 6001	946	T- 2338	985	T- 220
852A	T- 433	889	T- 1754	947	T- 1327	986	T- 237
853	T- 503	890	T- 1752	948	T- 1924	987	T- 218
854	T- 7610	891	T- 6507	948A	T- 1932	988	T- 1712
855	T- 930	899	T- 1813	949	T- 2342	988A	T- 2815
856	T- 259	900	T- 209	950	T- 1349	989	T- 950
857	T- 1214	901	T- 1114	951	T- 1351	990	T- 942
858	T- 1350	904	T- 1711	952	T- 1212	991	T- 1609
860	T- 845	906	T- 302	953	T- 1401	992	T- 321
860A	T- 844	907	T- 313	953A	T- 1402	993	T- 1910
861	T- 707	908	T- 1107	955	T- 1213	994	T- 980
861A	T- 708	913	T- 1772	956	T- 1739	995	T- 1762
861B	T- 742	915	T- 2410	958	T- 3101	996	T- 428
862	T- 1104	916	T- 611	959	T- 2823	997	T- 1718
863	T- 1618	917	T- 1749	960	T- 7600	997A	T- 1671
864	T- 1315	918	T- 1933	961	T- 7611	998	T- 508
865	T- 1747	919	T- 303	963	T- 402	999	T- 802
866	T- 1704	920	T- 1759	964	T- 912	1000	T- 987
868	T- 2340	921	T- 1310	965	T- 915	1001	T- 113
869	T- 1844	922	T- 316	966	T- 7546	1002	T- 230
870	T- 1303	923	T- 1345	967	T- 7550	1003	T- 2101
871	T- 1949	924	T- 507	968	T- 235	1004	T- 943
871A	T- 2818	925	T- 233	969	T- 6007	1005	T- 1944
872	T- 805	926	T- 1616	970	T- 6017	1006	T- 1935
872A	T- 816	927	T- 1626	970A	T- 6018	1007	T- 1113
873	T- 986	928	T- 1607	972	T- 1908	1008	T- 236
874	T- 301	929	T- 908	973	T- 963	1009	T- 226
874A	T- 1963	932	T- 1335	974	T- 6042	1010	T- 207
875	T- 256	933	T- 1362	975	T- 803	1011	T- 202

MARTIN-WELLS to Tucker Interchange List

1013	T- 1748	1060	T- 1845	1106	T- 1817	1149	T- 132
1014	T- 1210	1061	T- 1846	1107	T- 1808	1150	T- 4022
1016	T- 7223	1062	T- 1951	1107A	T- 1861	1151	T- 4054
1017	T- 914	1063	T- 2216	1108	T- 324	1151A	T- 4055
1018	T- 1764	1064	T- 907	1109	T- 1321	1154	T- 620
1019	T- 1208	1065	T- 248	1110	T- 330	1155	T- 344
1020	T- 712	1066	T- 1623	1111	T- 1120	1156	T- 2812
1021	T- 1606	1067	T- 1964	1113	T- 826	1157	T- 1947
1022	T- 940	1068	T- 1628	1113A	T- 827	1157A	T- 2819
1023	T- 941	1069	T- 253	1116	T- 2411	1158	T- 1309
1025	T- 290	1070	T- 257	1117	T- 2730	1158A	T- 1311
1025A	T- 284	1071	T- 4101	1118	T- 4210	1159	T- 1945
1026	T- 2704	1074	T- 104	1119	T- 7210	1159A	T- 2817
1027	T- 1775	1078	T- 1843	1120	T- 1317	1160	T- 945
1028	T- 1776	1079	T- 440	1122	T- 1614	1160A	T- 606
1029	T- 992	1079A	T- 409	1123	T- 6505	1161	T- 267
1029A	T- 901	1080	T- 2403	1124	T- 7541	1162	T- 283
1030	T- 1960	1081	T- 1966	1125	T- 143	1162A	T- 293
1031	T- 1818	1082	T- 268	1126	T- 6508	1163	T- 2711
1032	T- 1130	1083	T- 1959	1127	T- 4005	1163A	T- 2712
1034	T- 2235	1084	T- 1835	1128	T- 4105	1164	T- 1948
1035	T- 2230	1085	T- 1840	1129	T- 1360	1165	T- 269
1037	T- 1957	1086	T- 1833	1130	T- 1341	1166	T- 1827
1038	T- 2826	1087	T- 1967	1131	T- 717	1167	T- 1829
1040	T- 260	1088	T- 258	1132	T- 1123	1168	T- 1836
1042	T- 1719	1089	T- 264	1133	T- 2125	1170	T- 2802
1043	T- 102	1090	T- 1958	1135	T- 2225	1172	T- 1968
1044	T- 103	1091	T- 221	1136	T- 2238	1173	T- 2813
1045	T- 231	1092	T- 2708	1137	T- 2203	1174	T- 1931
1046	T- 815	1093	T- 7545	1138	T- 2130	1175	T- 2821
1047	T- 817	1094	T- 208	1139	T- 2004	1176	T- 839
1048	T- 2344	1096	T- 262	1140	T- 4040	1177	T- 840
1049	T- 4041	1097	T- 2709	1141	T- 4021	1178	T- 107
1050	T- 4112	1098	T- 2404	1142	T- 266	1180	T- 129
1051	T- 1913	1099	T- 990	1143	T- 567	1181	T- 106
1052	T- 971	1101	T- 263	1144	T- 210	1182	T- 273
1055	T- 1119	1102	T- 2814	1145	T- 252	1183	T- 242
1056	T- 904	1103	T- 2345	1146	T- 116	1184	T- 274
1058	T- 1807	1104	T- 135	1147	T- 1501	1186	T- 905
1059	T- 918	1105	T- 2337	1148	T- 486	1187	T- 1338

MARTIN-WELLS to Tucker Interchange List

1188	T- 1316	1226	T- 6015	1290A	T- 1874	1357	T- 8104
1189	T- 728	1227	T- 949	1291	T- 1222	1359	T- 6101
1190	T- 2412	1228	T- 1851	1292	T- 723	1360	T- 6102
1191	T- 280	1230	T- 2820	1293	T- 2154	1362	T- 6100
1192	T- 727	1231	T- 403	1294	T- 6531	1363	T- 6516
1193	T- 286	1232	T- 2601	1298	T- 2218	1364	T- 9301
1193A	T- 641	1235	T- 2545	1301	T- 1879	1373	T- 9402
1193B	T- 642	1236	T- 6521	1302	T- 1870	1376	T- 199
1194	T- 1722	1237	T- 6501	1302A	T- 725	1377	T- 1408
1194A	T- 2832	1239	T- 847	1304	T- 323	1378	T- 4023
1195	T- 2824	1240	T- 743	1305	T- 1954	1381	T- 7547
1198	T- 1304	1241	T- 718	1306	T- 379	1382	T- 7531
1198A	T- 1343	1242	T- 2011	1307	T- 378	1384	T- 7272
1198B	T- 825	1243	T- 2042	1309A	T- 1872	1385	T- 145
1199	T- 6509	1243A	T- 2039	1310	T- 1678	1391	T- 6515
1200	T- 261	1244	T- 1673	1311	T- 1953	1395	T- 1778
1202	T- 2705	1253	T- 2078	1315	T- 1538	1396	T- 9303
1203	T- 2805	1255	T- 1339	1316	T- 879	1397	T- 1701
1204	T- 1969	1256	T- 340	1318	T- 2570	1403	T- 6013
1205	T- 1970	1258	T- 4024	1319	T- 1863	1404	T- 6000
1206	T- 117	1259	T- 380	1320	T- 451	1405	T- 2054
1206A	T- 487	1260	T- 381	1321	T- 452	1406	T- 6040
1207	T- 2343	1260A	T- 1709	1322	T- 1768	1407	T- 6030
1209	T- 7201	1261	T- 1794	1326	T- 1890	1408	T- 7230
1211	T- 6550	1264	T- 4102	1327	T- 1708	1409	T- 2414
1212	T- 6560	1267A	T- 2029	1328	T- 1789	1411	T- 1204
1212	T- 6561	1268	T- 2811	1329	T- 1792	1413	T- 289
1214	T- 282	1268A	T- 1672	1330	T- 552	1415	T- 1722
1215	T- 1801	1269	T- 2830	1331	T- 2034	1416	T- 2714
1216	T- 903	1270	T- 2810	1339A	T- 1984	1416A	T- 2595
1216A	T- 919	1277	T- 599	1341	T- 1896	1417	T- 510
1217	T- 2336	1278	T- 2077	1342	T- 1029	1418	T- 1012
1218	T- 948	1280	T- 1016	1343	T- 568	1419	T- 8103
1219	T- 105	1281	T- 1877	1344	T- 343	1427	T- 2103
1220	T- 131	1284	T- 4107	1347	T- 1565	1430	T- 151
1221	T- 130	1285	T- 947	1347B	T- 582	1431	T- 1685
1222	T- 902	1286	T- 2840	1350	T- 1131	1432	T- 2162
1223	T- 213	1287	T- 1527	1352	T- 1901	1434	T- 2211
1224	T- 249	1288A	T- 1784	1354	T- 1512	1436	T- 357
1225	T- 2207	1290	T- 925	1355	T- 1986	1437	T- 2082

MARTIN-WELLS to Tucker Interchange List

1453	T- 1631	1542	T- 7500	1677	T- 4053	1770B	T- 2038
1457	T- 355	1545	T- 4110	1678	T- 334	1777	T- 140
1459	T- 496	1549	T- 4008	1680	T- 6517	1778	T- 550
1461	T- 1773	1550	T- 6043	1683	T- 490	1779	T- 551
1463	T- 1634	1556	T- 7205	1691	T- 483	1781	T- 2560
1464	T- 1635	1558	T- 7206	1693	T- 1569	1787	T- 459
1465	T- 1926	1558	T- 6519	1693B	T- 640	1790B	T- 609
1468	T- 400	1560	T- 4104	1694	T- 1567	1792	T- 196
1470	T- 875	1561	T- 4108	1694B	T- 2092	1794	T- 1876
1473	T- 1024	1563	T- 4002	1695	T- 1571	1796	T- 492
1474	T- 2251	1577	T- 1004	1696	T- 350	1797	T- 1568
1475	T- 1411	1581	T- 6514	1697	T- 1915	1798	T- 121
1476	T- 2120	1595	T- 2111	1697B	T- 466	1803	T- 485
1477	T- 1223	1597	T- 2122	1698	T- 1934	1810	T- 508
1483	T- 6009	1599	T- 6032	1699	T- 460	1813	T- 1641
1485	T- 6005	1605	T- 1511	1699B	T- 461	1816	T- 2035
1486	T- 2227	1615	T- 572	1705	T- 813	1817	T- 2018
1487	T- 2221	1631	T- 1243	1706	T- 1790	1818	T- 2569
1492	T- 388	1632	T- 1231	1707	T- 643	1822	T- 495
1493	T- 1041	1633	T- 1250	1707B	T- 644	1825	T- 109
1494	T- 631	1635	T- 2242	1709B	T- 1660	1828	T- 1892
1496	T- 1859	1643	T- 1566	1710	T- 2501	1829	T- 1887
1498	T- 4030	1643B	T- 640	1711	T- 1780	1830	T- 345
1499	T- 2009	1647	T- 1014	1712	T- 1781	1831	T- 1864
1501	T- 1220	1648	T- 1979	1715	T- 976	1836	T- 4016
1501A	T- 1221	1651	T- 1767	1717	T- 2715	1838	T- 4014
1502	T- 900	1652	T- 375	1718	T- 1866	1839	T- 6103
1505	T- 4003	1654	T- 1017	1718A	T- 1820	1840	T- 3601
1507	T- 2222	1655	T- 1018	1719	T- 1865	1841	T- 3600
1508	T- 2223	1656	T- 1581	1734	T- 1520	1842	T- 2112
1513	T- 2128	1657	T- 376	1735	T- 1521	1843	T- 2079
1514	T- 3604	1659	T- 371	1739	T- 1040	1844	T- 493
1515	T- 3606	1660	T- 399	1740	T- 1855	1845	T- 1225
1518	T- 849	1661	T- 374	1741	T- 1508	1846	T- 729
1519	T- 390	1662	T- 365	1742	T- 1507	1848	T- 120
1526	T- 144	1664	T- 1642	1755	T- 491	1854	T- 1580
1527	T- 1502	1665	T- 317	1756	T- 298	1869	T- 336
1530	T- 6511	1667	T- 876	1764	T- 138	1874	T- 1224
1531	T- 6513	1672	T- 325	1765	T- 139	1875	T- 1230
1537	T- 6036	1673	T- 2749	1769	T- 2037	1878	T- 922

MARTIN-WELLS to Tucker Interchange List

1881	T- 2131	1960B	T- 516	2267B	T- 2724	2487	T- 1525
1882	T- 1124	1961	T- 2028	2269B	T- 1666	2498	T- 1643
1883	T- 1125	1988B	T- 616	2276B	T- 1665	2502	T- 1765
1885B	T- 477	1998B	T- 1793	2297B	T- 592	2514	T- 1647
1886	T- 494	1999B	T- 1675	2299B	T- 593	2515	T- 2850
1887	T- 2108	2005B	T- 2047	2300	T- 1997	2516	T- 1703
1888	T- 3510	2006B	T- 557	2302	T- 499	2520	T- 1536
1895	T- 1600	2007B	T- 1347	2310	T- 1632	2521	T- 1537
1896	T- 2841	2008B	T- 2726	2319	T- 2829	2524	T- 1674
1897	T- 2076	2019	T- 1650	2320	T- 1889	2528	T- 1942
1899	T- 1025	2037B	T- 2070	2335	T- 2852	2530	T- 1992
1900	T- 537	2038B	T- 1037	2341	T- 939	2531	T- 1721
1901	T- 2224	2039B	T- 1584	2343B	T- 1943	2533	T- 2062
1902	T- 2232	2040B	T- 2073	2344	T- 1506	2543	T- 1649
1903	T- 841	2051	T- 2355	2346	T- 389	2548	T- 326
1905	T- 370	2055	T- 1049	2363	T- 2333	2550	T- 598
1906	T- 833	2057	T- 6552	2364	T- 190	2552	T- 1770
1908	T- 4103	2071B	T- 462	2366	T- 197	2559	T- 2851
1909	T- 2530	2072B	T- 463	2368	T- 297	2560	T- 335
1910	T- 2347	2073B	T- 571	2387	T- 219	2569	T- 2721
1911	T- 1825	2074B	T- 517	2388	T- 1995	2574	T- 2722
1914	T- 2009	2075B	T- 1663	2390	T- 2016	2577	T- 1758
1915	T- 554	2076B	T- 2053	2397	T- 232	2581	T- 382
1915A	T- 555	2078B	T- 525	2399	T- 158	2806	T- 2349
1916	T- 2043	2080B	T- 1022	2410	T- 193	2807	T- 753
1916A	T- 2044	2082B	T- 1667	2412	T- 265	2808	T- 2334
1921	T- 2515	2083B	T- 526	2413	T- 2381	2816	T- 2504
1921A	T- 2516	2084B	T- 1669	2416	T- 1785	2817	T- 162
1922	T- 1988	2093B	T- 1686	2418	T- 924	2822	T- 161
1925	T- 1515	2094B	T- 2094	2433	T- 906	2828	T- 2364
1926	T- 1563	2095B	T- 618	2435	T- 2565	2835	T- 673
1928	T- 1564	2096B	T- 886	2440	T- 997	2838	T- 2383
1932	T- 1654	2136B	T- 2056	2443	T- 999	2852	T- 2532
1934	T- 119	2137B	T- 591	2456	T- 1530	2861	T- 2391
1939	T- 615	2138B	T- 2057	2458	T- 970	2863	T- 2382
1948B	T- 436	2151	T- 2568	2460	T- 1858	2886	T- 1172
1949	T- 1504	2153B	T- 1583	2476	T- 1976	2899	T- 1150
1953	T- 6553	2170	T- 1871	2481	T- 1519	2901	T- 2142
1958	T- 2214	2199	T- 1977	2482	T- 1000	2907	T- 2847
1959B	T- 1019	2255B	T- 1346	2483	T- 1517	2909	T- 2482

MARTIN-WELLS to Tucker Interchange List

2934	T- 2492	3302	T- 1797	3504	T- 1681	3574B	T- 574
2943	T- 1254	3303	T- 1795	3504B	T- 1680	3579	T- 1683
2953	T- 2754	3304	T- 2074	3505	T- 1682	3579B	T- 1684
2969	T- 1542	3305	T- 1038	3505B	T- 2842	3580	T- 2843
2970	T- 857	3306	T- 585	3519B	T- 2747	3580B	T- 2844
2973	T- 1154	3307	T- 586	3520B	T- 1523	3582	T- 1011
2975	T- 856	3308	T- 587	3524	T- 1989	3586	T- 442
2977	T- 1573	3309	T- 2072	3527	T- 346	3590	T- 448
3001B	T- 850	3310	T- 589	3528	T- 347	3592	T- 450
3005B	T- 617	3315	T- 588	3529	T- 523	3593	T- 449
3007B	T- 2081	3316	T- 2071	3530	T- 383	3594	T- 2351
3054	T- 1771	3320	T- 385	3533	T- 361	3598	T- 2038
3056	T- 2740	3325	T- 1585	3534	T- 637	3601	T- 395
3057	T- 2741	3326	T- 1798	3538	T- 455	3602	T- 396
3140	T- 279	3333	T- 2746	3539	T- 456	3603	T- 1644
3164B	T- 1657	3345	T- 195	3540	T- 457	3604	T- 500
3165B	T- 580	3407	T- 1516	3541	T- 339	3605	T- 392
3166B	T- 443	3408	T- 1534	3542	T- 354	3608	T- 397
3167B	T- 2523	3409	T- 1044	3544	T- 386	3609	T- 398
3177B	T- 1021	3410	T- 2357	3545	T- 387	3611	T- 417
3181B	T- 553	3411	T- 596	3546	T- 359	3612	T- 418
3182B	T- 515	3412	T- 594	3547	T- 360	3614	T- 578
3189	T- 511	3413	T- 595	3548	T- 364	3615	T- 880
3217	T- 1586	3422B	T- 2085	3549	T- 559	3618	T- 1036
3218	T- 600	3423B	T- 2727	3550	T- 361	3619	T- 2069
3221	T- 2080	3445	T- 1248	3551	T- 362	3620	T- 2853
3222	T- 883	3455	T- 1028	3552	T- 2031	3621	T- 577
3223	T- 884	3458	T- 241	3554	T- 369	3628	T- 483
3224	T- 885	3462B	T- 2356	3555	T- 416	3629	T- 2093
3225	T- 1543	3463B	T- 581	3556	T- 367	3630	T- 2083
3226	T- 1544	3464B	T- 2068	3558	T- 1676	3631	T- 1046
3229	T- 464	3465B	T- 583	3561	T- 423	3632	T- 646
3230	T- 465	3466	T- 882	3562	T- 575	3633	T- 2084
3285B	T- 556	3467B	T- 584	3563	T- 146	3634	T- 1047
3286B	T- 2833	3470	T- 2743	3565	T- 437	3635	T- 562
3288B	T- 2838	3472B	T- 475	3566	T- 438	3636	T- 2026
3291B	T- 2045	3480B	T- 916	3567	T- 439	3637	T- 470
3292B	T- 2067	3497	T- 2485	3573	T- 2058	3638	T- 468
3294B	T- 2046	3502B	T- 1042	3573B	T- 2059	3639	T- 469
3301	T- 1796	3503B	T- 1043	3574	T- 573	3641	T- 472

MARTIN-WELLS to Tucker Interchange List

3642	T- 473	4113	T- 1662	4618	T- 561	4664	T- 1679
3643	T- 474	4114	T- 1664	4619	T- 547	4666	T- 548
3649	T- 476	4174	T- 522	4620	T- 539	4668	T- 1983
3650	T- 2087	4177	T- 352	4621	T- 535	4670	T- 2091
3651	T- 2531	4178	T- 342	4622	T- 544	4671	T- 2837
3653	T- 194	4181	T- 650	4623	T- 2525	4676	T- 2750
3654	T- 2849	4182	T- 2863	4624	T- 1685	5087	T- 2475
3657	T- 887	4189	T- 338	4625	T- 2075	5091	T- 692
3664	T- 634	4192	T- 1645	4626	T- 1023	5092	T- 149
3665	T- 635	4195	T- 2720	4627	T- 563	5094	T- 675
3666	T- 2561	4198	T- 1670	4629	T- 541	5100	T- 896
3667	T- 2322	4200	T- 546	4631	T- 542	5101	T- 300
3668	T- 636	4201	T- 353	4632	T- 531	5102	T- 2361
3669	T- 2748	4204	T- 558	4634	T- 560	5103	T- 674
3670	T- 638	4209	T- 1582	4635	T- 1027	5104	T- 2505
3674	T- 1048	4211	T- 2032	4636	T- 549	5105	T- 2365
3676	T- 393	4212	T- 497	4637	T- 877	5107	T- 2868
3677	T- 521	4213	T- 441	4638	T- 543	5108	T- 147
3679	T- 530	4214	T- 2517	4639	T- 341	5110	T- 654
3680	T- 2848	4215	T- 923	4640	T- 564	5111	T- 667
3681	T- 1532	4218	T- 349	4641	T- 519	5114	T- 1171
3682	T- 484	4451	T- 2744	4643	T- 2048	5165	T- 658
3684	T- 351	4597	T- 2049	4644	T- 528	5172	T- 1075
3687	T- 481	4598	T- 1677	4645	T- 538	5213	T- 1050
3688	T- 482	4599	T- 136	4646	T- 1026	5218	T- 1060
3690	T- 2027	4600	T- 123	4647	T- 1991	5231	T- 2030
3691	T- 527	4601	T- 2341	4648	T- 2089	5234	T- 1689
3699	T- 964	4602	T- 137	4649	T- 576	5254	T- 2769
4018	T- 2578	4603	T- 2348	4650	T- 2033	5273	T- 329
4020	T- 2576	4604	T- 623	4651	T- 1668	5328	T- 1700
4025	T- 1802	4605	T- 565	4652	T- 1723		
4038	T- 4067	4606	T- 518	4653	T- 2055		
4039	T- 2161	4607	T- 534	4654	T- 529		
4043	T- 1980	4609	T- 142	4655	T- 540		
4047	T- 7010	4611	T- 191	4656	T- 536		
4106	T- 2060	4613	T- 566	4658	T- 2346		
4107	T- 1973	4614	T- 570	4660	T- 533		
4110	T- 1897	4615	T- 362	4661	T- 2088		
4111	T- 879	4616	T- 524	4662	T- 579		
4112	T- 1978	4617	T- 625	4663	T- 2061		

SafeGuard to Tucker Interchange List

3330	T-311	30060	T-911	31110	T-1804	32580	T-1616
4250	T-193	30070	T-110	31150	T-981	32600	T-1617
4260	T-970	30180	T-224	31170	T-982	32620	T-1635
4280	T-455	30190	T-115	31190	T-318	32630	T-960
4280	T-1805	30230	T-201	31210	T-223	32640	T-1873
4290	T-1818	30240	T-202	31220	T-222	32650	T-962
4310	T-1850	30290	T-204	31290	T-987	32660	T-1822
4320	T-1712	30300	T-205	31330	T-271	32680	T-1905
10360	T-208	30340	T-127	31340	T-272	32690	T-1926
10430	T-231	30350	T-214	31380	T-1604	32700	T-1633
10440	T-230	30380	T-207	31410	T-1613	32780	T-1621
10470	T-218	30390	T-217	31460	T-1815	32800	T-301
10650	T-912	30400	T-569	31500	T-1620	32810	T-1790
10670	T-913	30480	T-226	31530	T-1624	32870	T-1304
10830	T-246	30500	T-239	31560	T-1901	32890	T-2020
10850	T-289	30520	T-240	31590	T-1627	32990	T-1759
11390	T-1836	30530	T-2060	31600	T-1910	32990	T-1771
11440	T-1811	30540	T-1973	31620	T-1993	33790	T-950
11770	T-1715	30570	T-1964	31630	T-1626	33810	T-990
11800	T-1726	30580	T-243	31650	T-1921	34050	T-1714
11890	T-308	30590	T-536	31660	T-1946	34300	T-2749
12150	T-833	30690	T-934	31680	T-1772	34470	T-976
12170	T-839	30740	T-935	31720	T-1922	34480	T-400
12240	T-840	30780	T-952	31860	T-321	34500	T-370
12460	T-1826	30790	T-953	31870	T-355	34690	T-1507
12490	T-1830	30820	T-929	31950	T-304	34850	T-943
12500	T-1854	30840	T-924	32010	T-496	35130	T-353
12510	T-1829	30860	T-278	32040	T-1570	35170	T-351
12590	T-1625	30900	T-928	32050	T-1755	35190	T-418
12730	T-1615	30910	T-939	32100	T-1749	35230	T-1623
12750	T-1849	30930	T-931	32110	T-319	35250	T-352
12820	T-303	30940	T-937	32120	T-1751	35280	T-449
12860	T-1305	30950	T-938	32140	T-320	35300	T-349
13770	T-875	30990	T-983	32220	T-806	35320	T-338
14900	T-1958	31000	T-984	32230	T-848	35330	T-1983
14920	T-2032	31020	T-1824	32470	T-1602	35340	T-417
14930	T-1646	31030	T-1057	32480	T-1827	35350	T-1670
14940	T-1967	31060	T-966	32530	T-1609	35360	T-1872
14960	T-1536	31080	T-968	32540	T-1610	35370	T-1674
30020	T-900	31100	T-1803	32560	T-1809	35380	T-1969

SafeGuard to Tucker Interchange List

35420	T-325	38840	T-2075	39430	T-341	49490	T-2741
37010	T-2848	38860	T-523	39440	T-342	80030	T-945
37020	T-1532	38870	T-383	39520	T-650	80140	T-1718
38020	T-347	38890	T-524	39530	T-558	80270	T-2744
38130	T-456	39000	T-539	39540	T-236	80420	T-260
38140	T-457	39010	T-540	39550	T-1339	80550	T-249
38150	T-339	39020	T-541	39580	T-560	80610	T-250
38160	T-354	39040	T-542	39600	T-561	80630	T-1654
38280	T-369	39050	T-2033	39610	T-538	80640	T-357
38290	T-416	39060	T-1027	39620	T-280	80660	T-1678
38300	T-367	39080	T-437	39630	T-228	80680	T-268
38350	T-423	39090	T-543	39640	T-2837	80750	T-1821
38410	T-439	39100	T-544	39660	T-2048	80810	T-949
38420	T-1644	39110	T-528	39680	T-563	80970	T-1864
38430	T-497	39120	T-529	39690	T-564	81200	T-1717
38440	T-386	39130	T-438	39700	T-565	81270	T-283
38450	T-2516	39140	T-910	39710	T-2031	81300	T-1994
38500	T-521	39150	T-1995	39720	T-546	81300	T-1898
38520	T-2351	39160	T-531	39730	T-566	81370	T-1074
38530	T-441	39170	T-191	39870	T-1842	81520	T-1890
38540	T-442	39190	T-533	39880	T-2525	81620	T-1881
38550	T-443	39210	T-136	39890	T-625	81840	T-1619
38560	T-2517	39220	T-123	39900	T-1685	81880	T-1951
38570	T-393	39230	T-579	39910	T-534	82450	T-835
38620	T-1047	39240	T-522	39920	T-2088	82870	T-825
38630	T-562	39260	T-137	39930	T-2348	83100	T-814
38650	T-616	39270	T-877	39940	T-2089	83330	T-2021
38660	T-470	39280	T-535	39950	T-390	83940	T-1949
38670	T-468	39290	T-519	39960	T-1991	84210	T-1871
38680	T-469	39300	T-518	39970	T-462	84220	T-1870
38700	T-472	39310	T-2026	39980	T-2849	84310	T-2717
38710	T-473	39320	T-1023	40450	T-1965	84400	T-345
38720	T-474	39340	T-364	40510	T-485	84430	T-1953
38760	T-478	39350	T-142	40570	T-1028	84440	T-2714
38770	T-475	39360	T-227	40760	T-1840	84510	T-1645
38780	T-476	39370	T-530	41040	T-1851	85050	T-378
38790	T-477	39390	T-2028	41820	T-372	85060	T-379
38800	T-2531	39400	T-2049	45010	T-1582	85220	T-1978
38810	T-923	39410	T-1677	45400	T-220	85410	T-375
38820	T-194	39420	T-1628	49470	T-1887	85430	T-2836

SafeGuard to Tucker Interchange List

85430	T-374
85440	T-879
89460	T-1893
89480	T-1966
89500	T-1664
89510	T-1662
89760	T-210
89780	T-498
89790	T-460
89800	T-1934

SBI to Tucker Interchange List

1000-1	T-110	1221E-2	T-8006	1312-11	T-2312	1375-54	T-558
1000-2	T-2337	1250-0	T-154	1312-13	T-2313	1375-55	T-524
1062-1	T-130	1250-1	T-205	1312-50	T-347	1375-56	T-625
1062-2	T-129	1250-2	T-204	1312-52	T-362	1375-57	T-561
1062-3	T-133	1250-3	T-206	1312-53	T-353	1375-58	T-547
1062-4	T-164	1250-4	T-105	1312-54	T-437	1375-60	T-547
1062-5	T-2338	1250-7	T-2330	1312-56	T-522	1375-61	T-654
1062-50	T-136	1250-8	T-2332	1312-57	T-655	1375-62	T-654
1062-51	T-165	1250-11	T-1986	1312-59	T-533	1375-63	T-2364
1102E-1	T-8000	1250-12	T-2333	1312-60	T-390	1375-64	T-667
1125-1	T-115	1250-20	T-2331	1312-62	T-191	1375-65	T-683
1125-2	T-2336	1250-50	T-470	1312-63	T-566	1375E-1	T-2894
1125-3	T-131	1250-52	T-2351	1312-64	T-570	1375E-2N	T-2895
1125-4	T-120	1250-53	T-623	1312-66	T-2868	1378E-1	T-8014
1125-5	T-113	1250-54	T-534	1312-67	T-147	1408E-1	T-252
1125-6	T-121	1250-56	T-142	1312-68	T-161	1417E-1	T-8016
1125-7	T-101	1250-57	T-674	1339E-2	T-8012	1426E-1	T-248
1125-8	T-135	1250-58	T-2505	1348E-1N	T-220	1426E-2	T-274
1125-9	T-106	1250-59	T-693	1348E-3	T-221	1428E-1	T-263
1125-10	T-2308	1250-60	T-691	1375-0	T-520	1431E-1	T-260
1125-51	T-123	1250-61	T-2365	1375-1	T-223	1437-0	T-1572
1125-52	T-694	1250-62	T-2475	1375-3	T-217	1437-1	T-264
1125-53	T-2349	1250-63	T-2504	1375-4	T-222	1437-2	T-370
1125-54	T-753	1250-64	T-162	1375-5	T-224	1437-3	T-239
1125-55	T-2334	1250-65	T-679	1375-6	T-219	1437-4	T-227
1142E-2	T-8002	1260E-1	T-8008	1375-7	T-499	1437-5	T-240
1181E-1	T-8004	1262E-1	T-283	1375-8	T-207	1437-6	T-229
1187-1	T-201	1287E-1	T-258	1375-9	T-257	1437-8	T-228
1187-2	T-2340	1299E-1	T-8010	1375-10	T-116	1437-9	T-218
1187-3	T-2343	1312-0	T-434	1375-11	T-298	1437-10	T-226
1187-4	T-109	1312-1	T-214	1375-16	T-297	1437-11	T-251
1187-5	T-2342	1312-2	T-208	1375-18	T-1995	1437-12	T-237
1187-6	T-196	1312-3	T-190	1375-19	T-2016	1437-13	T-236
1187-7	T-202	1312-4	T-245	1375-22	T-158	1437-14	T-279
1187-51	T-2341	1312-5	T-197	1375-24	T-492	1437-15	T-2407
1187-52	T-137	1312-6	T-213	1375-25	T-569	1437-17	T-2402
1187-53	T-2348	1312-7	T-1876	1375-50	T-456	1437-18	T-2413
1187-54	T-2361	1312-8	T-262	1375-51	T-385	1437-20	T-609
1194E-1	T-266	1312-9	T-195	1375-52	T-442	1437-22	T-734
1194E-2	T-210	1312-10	T-580	1375-53	T-562	1437-24	T-645

SBI to Tucker Interchange List

1437-25	T-1657	1500-0	T-1064	1500-75	T-541	1562-36	T-900
1437-28	T-1688	1500-1	T-271	1500-76	T-548	1562-37	T-974
1437-29	T-265	1500-2	T-243	1500-77	T-149	1562-38	T-1013
1437-30	T-2381	1500-3	T-272	1500-79	T-779	1562-39	T-756
1437-50	T-346	1500-4	T-400	1500-80	T-1075	1562-46	T-864
1437-51	T-521	1500-5	T-230	1505E-1	T-1871	1562-50	T-354
1437-52	T-441	1500-6	T-244	1516E-1	T-1074	1562-51	T-443
1437-53	T-2517	1500-7	T-348	1535E-1	T-741	1562-52	T-478
1437-54	T-472	1500-8	T-231	1536E-2N	T-2362	1562-53	T-2531
1437-55	T-474	1500-9	T-2522	1539E-2	T-665	1562-54	T-497
1437-56	T-194	1500-10	T-486	1554E-1	T-2977	1562-57	T-650
1437-57	T-352	1500-11	T-256	1554E-2	T-2982	1562-65	T-523
1437-58	T-342	1500-12	T-1785	1562-0	T-193	1562-67	T-579
1437-59	T-383	1500-13	T-270	1562-1	T-929	1562-68	T-280
1437-60	T-2437	1500-14	T-253	1562-2	T-990	1562-69	T-542
1437-61	T-565	1500-23	T-700	1562-3	T-289	1562-70	T-531
1437-62	T-518	1500-25	T-241	1562-4	T-939	1562-71	T-1532
1437-63	T-539	1500-26	T-687	1562-5	T-950	1562-72	T-462
1437-64	T-535	1500-28	T-1077	1562-6	T-924	1562-73	T-560
1437-65	T-544	1500-29	T-874	1562-7	T-278	1562-74	T-1027
1437-66	T-2525	1500-30	T-875	1562-8	T-928	1562-75	T-549
1437-67	T-1685	1500-31	T-2560	1562-9	T-964	1562-77	T-675
1437-68	T-2075	1500-50	T-339	1562-11	T-2081	1567E-1	T-267
1437-69	T-228	1500-52	T-361	1562-11	T-247	1575E-3	T-8024
1437-71	T-673	1500-53	T-416	1562-12	T-902	1584E-1	T-2384
1437-72	T-635	1500-54	T-368	1562-13	T-246	1589E-1	T-940
1437-73	T-692	1500-56	T-439	1562-14	T-269	1589E-2	T-941
1437-74	T-658	1500-57	T-2516	1562-15	T-232	1593E-1	T-2382
1437-75	T-678	1500-58	T-616	1562-16	T-276	1600E-1	T-2983
1441E-1	T-249	1500-59	T-469	1562-17	T-910	1609E-1	T-374
1442E-2	T-1870	1500-61	T-476	1562-18	T-903	1611E-1	T-381
1444E-1	T-567	1500-62	T-387	1562-19	T-1802	1614E-1N	T-8026
1446E-1	T-250	1500-63	T-351	1562-20	T-921	1624E-1N	T-1840
1457E-2	T-8018	1500-65	T-449	1562-21	T-273	1625-0	T-970
1460E-2N	T-2383	1500-68	T-546	1562-26	T-745	1625-1	T-952
1463E-1	T-255	1500-70	T-563	1562-28	T-2532	1625-2	T-953
1480E-2	T-2480	1500-71	T-1023	1562-29	T-1578	1625-3	T-935
1486E-1	T-375	1500-72	T-529	1562-31	T-553	1625-4	T-934
1489E-1	T-268	1500-73	T-530	1562-32	T-1053	1625-5	T-947
1496E-1	T-8020	1500-74	T-364	1562-35	T-1007	1625-6	T-912

SBI to Tucker Interchange List

1625-7	T-913	1638E-1N	T-632	1687-23	T-2467	1744E-1N	T-1851
1625-8	T-1853	1640E-1	T-949	1687-26	T-999	1750-0	T-1805
1625-9	T-911	1645E-1	T-907	1687-27	T-2469	1750-1	T-987
1625-10	T-919	1646E-1	T-380	1687-29	T-2687	1750-2	T-986
1625-11	T-943	1646E-2	T-379	1687-32	T-2688	1750-3	T-983
1625-13	T-1821	1653E-1	T-992	1687-33	T-1000	1750-4	T-984
1625-14	T-1530	1654E-1N	T-2741	1687-34	T-397	1750-5	T-1824
1625-15	T-954	1654E-3	T-8028	1687-35	T-2689	1750-6	T-905
1625-16	T-948	1654E-3N	T-854	1687-40	T-1708	1750-7	T-966
1625-17	T-1977	1656E-1	T-2772	1687-41	T-1517	1750-8	T-968
1625-18	T-936	1657E-1	T-879	1687-50	T-468	1750-9	T-1803
1625-19	T-242	1669E-1	T-1978	1687-51	T-349	1750-10	T-915
1625-20	T-1512	1669E-2N	T-4669	1687-52	T-382	1750-11	T-1632
1625-24	T-2530	1670E-1	T-377	1687-53	T-564	1750-12	T-1973
1625-28	T-1852	1671E-1N	T-1028	1687-54	T-519	1750-13	T-1525
1625-29	T-1929	1678E-1	T-1864	1687-55	T-2474	1750-14	T-1804
1625-30	T-490	1681E-1	T-460	1687-56	T-2048	1750-15	T-969
1625-31	T-997	1681E-3	T-2681	1687-57	T-528	1750-16	T-901
1625-33	T-1065	1687-0	T-1039	1687-58	T-2976	1750-17	T-1874
1625-35	T-1058	1687-1	T-976	1687E-1	T-1898	1750-20	T-2695
1625-36	T-1051	1687-2	T-981	1687E-5C	T-3732	1750-23	T-906
1625-39	T-2836	1687-3	T-982	1690E-1	T-1934	1750-24	T-2565
1625-50	T-369	1687-4N	T-1842	1691E-1	T-1654	1750-25	T-2640
1625-51	T-1047	1687-5	T-960	1691E-2	T-357	1750-28	T-617
1625-52	T-923	1687-6	T-938	1692E-1N	T-1050	1750-29	T-1858
1625-53	T-418	1687-7	T-962	1692E-1N	T-1078	1750-32	T-2641
1625-54	T-2863	1687-8	T-1822	1693E-1	T-1994	1750-33	T-2642
1625-55	T-341	1687-9	T-937	1693E-2	T-1846	1750-34	T-1057
1625-58	T-1529	1687-10	T-1873	1693E-4	T-8030	1750-36	T-2643
1625-58	T-922	1687-11	T-925	1693E-4N	T-893	1750-38	T-2028
1625-60	T-1086	1687-12	T-1801	1693E-8N	T-2767	1750-39	T-2651
1625-61	T-877	1687-13	T-1835	1695E-1	T-1491	1750-42	T-2650
1625-62	T-543	1687-14	T-1865	1711E-1C	T-1090	1750-50	T-455
1625-63	T-527	1687-15	T-1623	1722E-1	T-1171	1750-51	T-457
1625-64	T-577	1687-16	T-1628	1722E-3	T-1174	1750-53	T-438
1628E-1	T-1894	1687-17	T-1519	1725E-1	T-1831	1750-54	T-386
1628E-1N	T-1887	1687-18	T-963	1725E-2N	T-1067	1750-55	T-393
1628E-2	T-945	1687-19	T-914	1732E-1	T-8032	1750-57	T-473
1628E-3	T-945	1687-20	T-1859	1732E-1N	T-1132	1750-59	T-477
1630E-1	T-1509	1687-22	T-2465	1733E-2N	T-1060	1750-60	T-1644

SBI to Tucker Interchange List

1750-62	T-338	1812-21N	T-2034	1841E-1	T-2370	1875-28	T-1970
1750-63	T-1983	1812-22	T-1844	1847E-1	T-1619	1875-29	T-1765
1750-64	T-538	1812-24	T-2648	1850E-2	T-8038	1875-32	T-1976
1750-65	T-2049	1812-30	T-2056	1850E-2N	T-1150	1875-33	T-3437
1750-66	T-1026	1812-34	T-1895	1853E-1	T-1700	1875-35	T-1536
1750-68	T-1991	1812-35	T-1813	1854E-1	T-2142	1875-36	T-1537
1750-69	T-540	1812-36	T-1599	1854E-2	T-2142	1875-39	T-2636
1772E-2	T-8034	1812-38	T-2659	1856E-1	T-2548	1875-50	T-1670
1772E-2N	T-1172	1812-50	T-367	1857E-1	T-2063	1875-51	T-1872
1775E-1	T-1662	1812-51	T-423	1858E-1N	T-2137	1875-52	T-1667
1781E-1N	T-1582	1812-52	T-2026	1859E-1	T-1966	1875-53	T-2037
1782E-1	T-2132	1812-53	T-475	1865E-1	T-378	1875-54	T-2033
1788E-1	T-1843	1812-54	T-417	1874E-2	T-1620	1875-55	T-2853
1792E-1	T-4792	1812-55	T-2031	1874E-2	T-2986	1875-56	T-896
1802E-1	T-1504	1812-56	T-1076	1875-0	T-1815	1880E-1	T-498
1803E-1	T-1890	1812-56	T-1809	1875-1	T-1627	1880E-2	T-1718
1811E-1	T-8036	1812-57	T-2089	1875-2	T-1620	1890E-2	T-8040
1811E-1N	T-1100	1812-57	T-406	1875-3	T-1652	1891E-1	T-2594
1811E-2N	T-2656	1812-59	T-2848	1875-4	T-1908	1894E-2	T-2482
1811E-3	T-2427	1812-60	T-576	1875-5	T-1836	1900-3	T-1697
1812-0	T-1818	1812E-1	T-1881	1875-6	T-1626	1900E-1	T-1678
1812-1	T-1617	1812E-3	T-1897	1875-7	T-1624	1900E-2	T-2622
1812-2	T-1609	1812E-4	T-2055	1875-8	T-1612	1912E-1	T-1979
1812-3	T-1635	1812E-4T	T-2052	1875-9	T-1613	1919E-1	T-2889
1812-4	T-1616	1812E-7	T-2589	1875-11	T-1901	1929E-1	T-8042
1812-5	T-1610	1812E-9	T-2141	1875-12	T-1604	1933E-2	T-2935
1812-6	T-1608	1813E-1	T-3733	1875-13	T-1612	1937-0	T-1850
1812-7	T-1602	1814E-1	T-376	1875-14	T-1811	1937-1	T-1633
1812-9	T-1809	1814E-4C	T-1610	1875-15	T-1912	1937-2	T-1630
1812-10	T-1643	1814E-4C	T-2773	1875-16	T-1820	1937-3	T-1903
1812-11	T-1854	1815-25	T-2566	1875-17	T-1647	1937-4	T-1621
1812-12	T-1625	1815E-1	T-1645	1875-18	T-2850	1937-5	T-1910
1812-13	T-1826	1817E-3	T-2030	1875-19	T-1968	1937-6	T-2939
1812-14	T-1827	1818E-1	T-1993	1875-20	T-1967	1937-7	T-2812
1812-15	T-1829	1818E-2	T-1845	1875-21	T-2802	1937-8	T-1703
1812-16	T-1830	1819E-1	T-2091	1875-22	T-1812	1937-9	T-1615
1812-17	T-1601	1823E-1	T-2423	1875-23	T-1909	1937-10	T-1849
1812-18	T-1810	1828E-1	T-2529	1875-24	T-1832	1937-12	T-2060
1812-19	T-1866	1831-2	T-2692	1875-26	T-2822	1937-15	T-1935
1812-20	T-2840	1831E-1	T-1689	1875-27	T-2813	1937-17	T-1674

SBI to Tucker Interchange List

1937-18	T-1507	2000-11	T-2903	2051E-4	T-2953	2125-2	T-321
1937-19	T-1649	2000-12	T-1920	2054E-1	T-1927	2125-3	T-1790
1937-20	T-1971	2000-13	T-1921	2062-1	T-355	2125-4	T-2720
1937-21	T-1911	2000-14	T-1924	2062-2	T-304	2125-5	T-496
1937-22	T-1704	2000-15	T-1942	2062-3	T-316	2125-6	T-1715
1937-23	T-1964	2000-16	T-1940	2062-4	T-1945	2125-7	T-598
1937-24	T-1614	2000-17	T-302	2062-5	T-1947	2125-8	T-309
1937-27	T-2193	2000-18	T-325	2062-5	T-2062	2125-9	T-1726
1937-28	T-365	2000-19	T-326	2062-6	T-1902	2125-10	T-308
1937-29	T-1781	2000-20	T-303	2062-7	T-1931	2125-11	T-305
1937-30	T-1548	2000-21	T-1925	2062-8	T-1946	2125-12	T-2816
1937-51	T-2849	2000-22	T-1969	2062-9	T-1714	2125-13	T-1747
1937-52	T-2088	2000-23	T-1926	2062-10	T-317	2125-14	T-1719
1937-53	T-1677	2000-24	T-2804	2062-11	T-1930	2125-15	T-2819
1937-54	T-1668	2000-25	T-1933	2062-12	T-1962	2125-16	T-2817
1946E-1	T-2877	2000-26	T-2823	2062-13	T-2806	2125-17	T-2820
1951-1	T-2406	2000-27	T-2814	2062-14	T-2807	2125-21	T-2197
1952E-1	T-1951	2000-28	T-2821	2062-15	T-2815	2125-24	T-1710
1953E-1	T-1954	2000-29	T-2746	2062-18	T-2157	2125-26	T-2198
1953E-2C	T-2981	2000-32	T-2831	2062-19	T-2906	2125-28	T-1727
1953E-3	T-2980	2000-33	T-2905	2062-20	T-2864	2125-30	T-1770
1953E-4	T-2980	2000-35	T-1721	2062-21	T-1932	2125-31	T-389
1957ST	T-1696	2000-36	T-300	2062-22	T-2452	2125-32	T-1784
1962E-1N	T-2158	2000-37	T-1743	2062-23	T-2371	2125-33	T-2851
1969E-2	T-8044	2000-50	T-1723	2062-24	T-2832	2125-34	T-324
1969E-2N	T-2769	2000-51	T-1965	2062-25	T-1963	2125-36	T-2721
1969E-3	T-2768	2001E-1	T-1893	2062-27	T-2269	2125-38	T-536
1969E-4N	T-2768	2003E-1	T-372	2062-28	T-334	2125-39	T-2389
1973E-1	T-1664	2004E-1	T-1953	2062-29	T-2852	2126E-1	T-8052
1991E-1N	T-2874	2004E-3N	T-2745	2062-30	T-329	2126E-1N	T-2526
2000-0	T-1712	2006E-2	T-1722	2062-31	T-2540	2126E-1N	T-8353
2000-1	T-301	2006E-3N	T-485	2062-50	T-2177	2126E-2	T-2897
2000-2	T-1941	2006E-5	T-2096	2062-51	T-2240	2129E-2	T-2036
2000-3	T-1772	2006E-7C	T-2750	2072E-1	T-1948	2131E-1	T-2714
2000-4	T-1992	2008E-2	T-8046	2084E-1	T-1717	2136E-1N	T-2733
2000-5	T-343	2015E-1	T-345	2087E-2	T-8050	2136E-2	T-2776
2000-6	T-1922	2018E-1	T-1570	2088E-1	T-1949	2136E-3	T-2771
2000-7	T-1958	2047E-1	T-8048	2100E-1	T-2878	2146E-1	T-1729
2000-9	T-2803	2049E-1	T-2744	2125-0	T-311	2150E-1	T-1980
2000-10	T-1905	2051E-4	T-2951	2125-1	T-318	2162E-1	T-1730

SBI to Tucker Interchange List

2165E-1	T-1254	2250-13	T-1756	2375-7	T-807	2500-15	T-815
2165E-1N	T-8054	2250-14	T-1745	2375-8	T-808	2500-17	T-2005
2180E-1	T-350	2250-15	T-1760	2375-9	T-805	2506E-1	T-814
2187-1	T-340	2250-16	T-1716	2375-10	T-804	2506E-2	T-835
2187-2	T-319	2250-17	T-1740	2375-11	T-1302	2520E-1	T-8072
2187-3	T-313	2250-18	T-1751	2375-12	T-1764	2559E-1	T-8074
2187-4	T-322	2250-19	T-2711	2375-13	T-1501	2562-1	T-1339
2187-5	T-1731	2250-20	T-1767	2375-14	T-1777	2562-2	T-1323
2187-6	T-315	2250-32	T-2713	2375-15	T-2386	2562-3	T-1336
2187-7	T-1735	2250-35	T-2973	2381E-1	T-1154	2562-5	T-1329
2187-8	T-314	2250-36	T-1540	2381E-2	T-856	2562-6	T-1341
2187-9	T-320	2250-37	T-833	2387E-1	T-1573	2562-7	T-2004
2187-10	T-1748	2284E-2	T-8060	2387E-2	T-2787	2590E-1	T-2021
2187-11	T-330	2312-1	T-2759	2402E-1	T-8066	2625-1	T-823
2187-12	T-344	2312-2	T-1762	2435E-1	T-2020	2625-2	T-1348
2187-13	T-371	2312-3	T-2708	2435E-2N	T-2009	2625-3	T-824
2187-16	T-1794	2312-4	T-802	2437-1	T-840	2625-4	T-1314
2187-18	T-1506	2312-5	T-2707	2437-2	T-810	2625-5	T-1330
2187-19	T-335	2312-6	T-1744	2437-3	T-811	2625-6	T-1312
2187-20	T-493	2312-7	T-2702	2437-4	T-1315	2625-7	T-1342
2187-24	T-1789	2312-8	T-2703	2437-5	T-1303	2625-8	T-819
2187-27	T-2722	2312-9	T-801	2437-6	T-816	2625-9	T-1337
2187-30	T-1758	2312-10	T-2709	2437-7	T-1321	2625-10	T-1350
2205E-2	T-8056	2312-11	T-2712	2437-9	T-1309	2625-11	T-822
2206E-1	T-1768	2312-14	T-1779	2441E-1	T-8068	2625-12	T-1310
2212E-1	T-2755	2312-16	T-1783	2441E-1N	T-8680	2625-13	T-1349
2220E-1	T-2717	2312-17	T-1782	2444E-1	T-1304	2625-14	T-1351
2244E-1	T-8058	2312-19	T-843	2444E-1	T-825	2625-15	T-1316
2247E-1	T-2754	2323E-1	T-1795	2480E-1	T-8070	2625-16	T-1317
2250-1	T-1759	2323E-2	T-8062	2500-1	T-812	2687-1	T-1353
2250-2	T-1755	2362E-1	T-8064	2500-2	T-813	2687-2	T-701
2250-4	T-1732	2366E-2N	T-2782	2500-3	T-1305	2687-3	T-1362
2250-5	T-1736	2367E-1	T-857	2500-4	T-1338	2687-4	T-714
2250-6	T-1737	2368E-3N	T-2731	2500-5	T-1320	2750-1	T-711
2250-7	T-1738	2375-1	T-848	2500-6	T-1319	2750-2	T-704
2250-8	T-1749	2375-2	T-806	2500-7	T-1306	2750-3	T-715
2250-9	T-1753	2375-3	T-1763	2500-11	T-1307	2750-4	T-720
2250-10	T-839	2375-4	T-1746	2500-12	T-1345	2750-5	T-703
2250-11	T-1750	2375-5	T-2706	2500-13	T-1335	2750-6	T-702
2250-12	T-1761	2375-6	T-1301	2500-14	T-1325	2750-7	T-1361

SBI to Tucker Interchange List

2750-8	T-710	3125-8	T-2410	3687-1	T-1111
2750-9	T-712	3125-9	T-421	3687-2	T-1123
2756E-1	T-8078	3125-10	T-1212	3687-3	T-1124
2812-1	T-705	3125-11	T-402	3687-4	T-1125
2812-2	T-404	3125-12	T-428	3702E-1	T-1015
2812-3	T-721	3125-13	T-1220	3750-1	T-1112
2812-4	T-726	3125-16	T-422	3750-2	T-1114
2875-1	T-603	3125-17	T-3510	3750-3	T-1113
2875-2	T-706	3125-18	T-1232	3750-4	T-1120
2875-3	T-709	3125-19	T-1231	3750-5	T-1131
2875-4	T-405	3125-21	T-1214	3787E-1	T-1130
2875-5	T-410	3187-1	T-424	3812-1	T-1115
2875-6	T-611	3187-2	T-426	3812-2	T-1116
2875-7	T-601	3187-3	T-1207	3812-3	T-1117
2875-8	T-728	3187-4	T-433	3812-4	T-2108
2875-9	T-727	3187-5	T-1208	3875-1	T-1118
2875-10	T-620	3187-6	T-1209	3937-1	T-2110
2875-11	T-602	3187-7	T-1221	3937-2	T-2111
2937-1	T-605	3250-1	T-1215	4250-1	T-1401
2937-2	T-411	3250-2	T-503	4625-1	T-2121
2937-3	T-2401	3250-3	T-507	4625-2	T-2122
2937-4	T-604	3250-4	T-510		
2937-5	T-440	3312-1	T-504		
3000-1	T-610	3312-2	T-505		
3000-2	T-412	3312-3	T-1213		
3000-3	T-614	3375-1	T-506		
3000-4	T-613	3375-2	T-508		
3000-5	T-409	3500-1	T-1002		
3000-6	T-2412	3500-2	T-1102		
3000-7	T-403	3500-3	T-1107		
3062-1	T-413	3500-5	T-1004		
3062-2	T-414	3562-1	T-1103		
3062-3	T-431	3562-2	T-1109		
3125-1	T-1248	3562-3	T-1020		
3125-2	T-415	3562-4	T-1108		
3125-3	T-1206	3562-5	T-1119		
3125-4	T-430	3625-1	T-1009		
3125-5	T-1211	3625-2	T-1008		
3125-6	T-432	3625-3	T-1106		
3125-7	T-420	3625-4	T-1012		

Snyder to Tucker Interchange List

50002	T-347	50066	T-470	50132	T-417	50237	T-136
50003	T-523	50067	T-468	50134	T-576	50238	T-625
50004	T-383	50068	T-469	50136	T-2848	50501	T-400
50008	T-637	50070	T-472	50137	T-2027	50502	T-921
50010	T-1685	50071	T-473	50138	T-2037	50503	T-990
50013	T-456	50072	T-474	50140	T-578	50505	T-2748
50014	T-457	50076	T-478	50141	T-2088	50509	T-1620
50015	T-339	50077	T-475	50146	T-606	50512	T-1626
50016	T-354	50078	T-476	50147	T-349	50520	T-249
50020	T-359	50079	T-477	50148	T-351	50525	T-301
50021	T-360	50080	T-2531	50153	T-352	50527	T-1631
50023	T-559	50081	T-923	50154	T-353	50529	T-343
50026	T-2089	50082	T-194	50155	T-1667	50530	T-1635
50026	T-406	50083	T-2849	50158	T-497	50534	T-1884
50028	T-369	50085	T-887	50163	T-224	50537	T-321
50029	T-416	50088	T-483	50164	T-944	50542	T-1993
50030	T-367	50089	T-634	50165	T-1983	50543	T-1994
50032	T-1676	50090	T-635	50166	T-1908	50548	T-2714
50035	T-423	50091	T-2561	50167	T-974	50552	T-364
50036	T-575	50093	T-636	50175	T-397	70503	T-986
50037	T-146	50096	T-1048	50177	T-191	70541	T-964
50039	T-437	50097	T-2090	50192	T-1027	70640	T-924
50040	T-438	50098	T-484	50195	T-1644	70642	T-1821
50041	T-439	50099	T-639	50199	T-531	70643	T-929
50042	T-396	50101	T-2351	50202	T-563	70644	T-939
50043	T-392	50102	T-448	50203	T-2031	70645	T-278
50044	T-386	50103	T-582	50208	T-2348	70646	T-953
50045	T-2516	50105	T-449	50209	T-1677	70647	T-910
50049	T-395	50109	T-482	50212	T-524	70648	T-952
50050	T-521	50112	T-1985	50214	T-137	70649	T-934
50053	T-441	50115	T-1532	50215	T-558	70650	T-935
50054	T-442	50117	T-418	50217	T-877	70651	T-919
50055	T-443	50120	T-2069	50218	T-535	70652	T-966
50056	T-2517	50121	T-577	50219	T-338	70653	T-968
50057	T-393	50122	T-880	50221	T-341	70654	T-1803
50060	T-2093	50123	T-2084	50224	T-288	70655	T-983
50061	T-2083	50124	T-481	50228	T-500	70656	T-984
50062	T-1047	50125	T-382	50230	T-142	70657	T-1824
50063	T-562	50129	T-1036	50234	T-534	70659	T-987
50065	T-616	50130	T-1046	50236	T-123	70660	T-1525

Snyder to Tucker Interchange List

70661	T-911
70662	T-912
70663	T-913
70664	T-981
70667	T-1616
70668	T-1609
70670	T-976
70671	T-1617
70672	T-1610
70673	T-982
70674	T-937
70675	T-938
70676	T-925
70677	T-960
70678	T-962
70679	T-1822
70680	T-2034

