

1980

Service Manual

ARROW

D-50

Pickup Truck

Service Manual

Small Pickup

Truck

1980

FOREWORD

This Service Manual has been prepared with the latest service information available for the 1980 model small pickup truck. It includes diagnosis, disassembly, repair, assembly and installation procedures, as well as complete specifications and tightening references for all vehicle components. This publication is one of the most important "tools" available to the service technician. It can be an invaluable aid in properly performing any phase of service necessary to maintain or restore the fine performance and reliability characteristics designed, engineered, and manufactured into these outstanding vehicles.

MODELS

9JL4U

9JP4W

0JL4U

0JP4W



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CORPORATION

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Litho in U.S.A.—5M1280

QUICK REFERENCE INDEX. To use, bend manual back to expose black spots on pages of the various sections. Then, by means of the index tabs on this page, locate the corresponding black spots on the first page of the section you desire.

GROUP INDEX

Introduction, General Specifications and Conversion Tables	
0 Lubrication and Maintenance	
2 Front Suspension	
3 Rear Axle	
5 Brakes — Parking Service	
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17 Rear Suspension	
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MANUAL DESCRIPTION

INTRODUCTION

This publication contains the essential removal, installation, adjustment and maintenance procedures for servicing. All information is current as of the date of publication.

INDEX

The preceding page contains a "Table of Contents" which lists the group number and subject title of each main group. The first page in each main group has an index to the subjects included in that group.

PAGE NUMBERS

All page numbers consist of two sets of digits separated by a dash. The digits preceding the dash identify the main group. The digits following the dash represent the consecutive page number within that group. Page numbers are located on the upper left or right of each page.

TEXT

Unless otherwise specified, each service procedure covers all body styles. Procedures covering specific styles are identified by the truck line number, body type or similar designation. A description of these

designations is covered in this unit under "VEHICLE IDENTIFICATION"

ILLUSTRATIONS

Where possible, illustrations are placed close to accompanying text.

DEFINITION OF TERMS

Standard Dimension or Value

Design dimension or value, or finish dimension after correction and adjustment of part.

Repair Limit

The limitation which restricts repair of a worn, deteriorated, or functionally inoperative part.

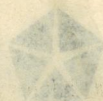
Service Limit

The limitation which restricts use of a worn part due to poor performance or strength.

"Loose Fit and Tight Fit"

The symbols L and T in 0.001L to 0.001T indicate "loose fit" and "tight fit", respectively.

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VEHICLE IDENTIFICATION

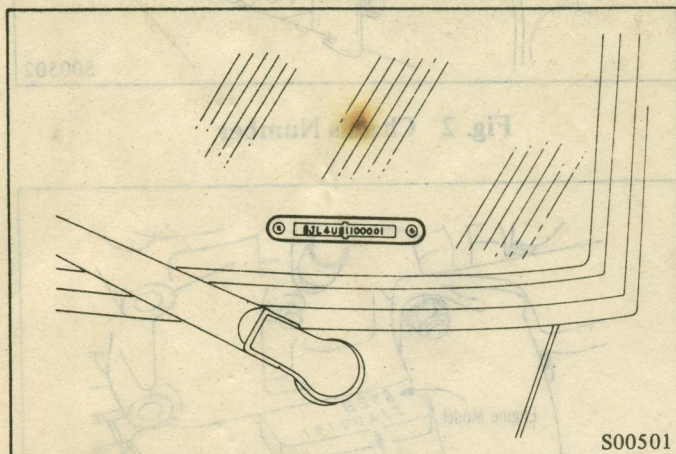
	Code				Model*
	49 States in U.S.A.	California in U.S.A.	Puerto Rico	Canada	
	Dodge D50	Dodge D50	Dodge D50	Dodge D50	
9JL4UA	11	21	11	31	L022PFSL _{2,7,3}
9JL4UA	71	81	71	91	L022PKSL _{2,7,3}
9JP4WA	43	53	43	63	L023PNUL _{2,7,3}
9JP4WA	73	83	73	93	L023PKUL _{2,7,3}
9JP4WA	45	55	45	65	L023PNXL _{2,7,3}
9JP4WA	75	85	75	95	L023PKXL _{2,7,3}
	Plymouth ARROW Pickup	Plymouth ARROW Pickup	Plymouth ARROW Pickup	—	
0JL4UA	11	21	11		L022PFSL _{2,7}
0JL4UA	71	81	71		L022PKSL _{2,7}
0JP4WA	43	53	43		L023PNUL _{2,7}
0JP4WA	73	83	73		L023PKUL _{2,7}
0JP4WA	45	55	45		L023PNXL _{2,7}
0JP4WA	75	85	75		L023PKXL _{2,7}

* 2 : Dodge for 49 States

7 : California

3 : Dodge for Canada

VEHICLE IDENTIFICATION NUMBER LOCATION



S00501

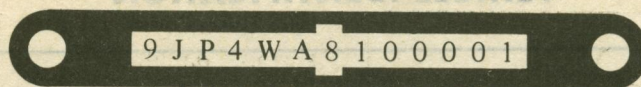
Fig. 1 Vehicle Identification Number

The vehicle identification number is located on a plate attached to the left top side of the instrument panel and visible through the windshield.

VEHICLE IDENTIFICATION NUMBERS

All vehicle identification numbers contain 13 digits. The vehicle number is a code which tells the truck line (1st digit), wheelbase and GVW (2nd digit), price class (3rd digit), body code (4th digit), engine code (5th digit), model year (6th digit), transmission code (7th digit), trim code (8th digit) and vehicle sequential serial number (last five digits).

Vehicle Identification Plate



	1st Digit	2nd Digit	3rd Digit	4th Digit	5th Digit	6th Digit	7th Digit	8th Digit	9th to 13th Digits
TRUCK LINE	G.V.W. AND WHEELBASE	PRICE CLASS	BODY CODE	ENGINE CODE	MODEL YEAR	TRANSMISSION* CODE	TRIM CODE*	SEQUENTIAL SERIAL NUMBER	
9: Dodge 0: Plymouth	J Less than 2,722 kg (6,000 lbs.) G.V.W. & Less than 2,800 mm (110.2 in.) W/B	L: Low Price P: Premium Price	4: For conventional cab with sweptline box	U: 2.0 liters (121.7 CID) W: 2.6liters (155.9 CID)	A: 1980	1: 4 speed M/T 49 states 2: 4 speed M/T Calif. 3: 4 speed M/T Canada 4: 5 speed M/T 49 states 5: 5 speed M/T Calif. 6: 5 speed M/T Canada 7: A/T 49 states 8: A/T Calif. 9: A/T Canada	1: Low 3: High 1 5: High 2	00001 ~	

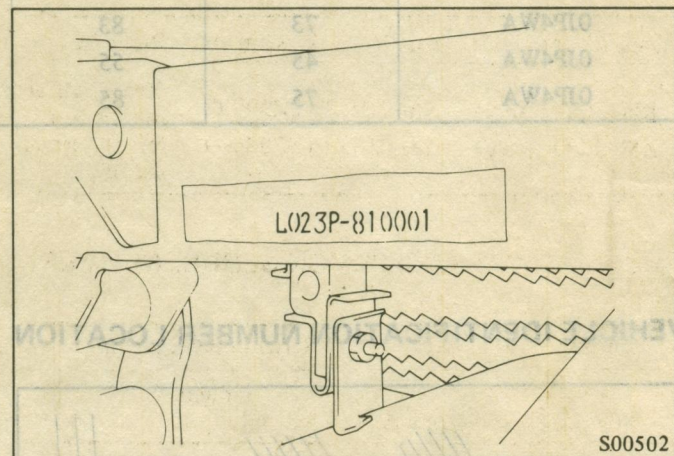
* M/T : Manual transmission, A/T : Automatic transmission

CHASSIS NUMBER LOCATION

The chassis number is stamped on the sidewall of the frame near the rear spring hanger. (Fig. 2)

L 0 2 3 P - 8 1 0 0 0 1

Vehicle line	Engine displacement	Body type	Transmission code	Trim code	Serial number
L02-D50 Arrow-pickup	2-2.0 liters (121.7 CID) 3-2.6 liters (155.9 CID)	P-Pickup truck	Refer to 7th or 8th Digit on Vehicle Identification Plate.		0001 ~ 9999



S00502

Fig. 2 Chassis Number

ENGINE MODEL STAMPING

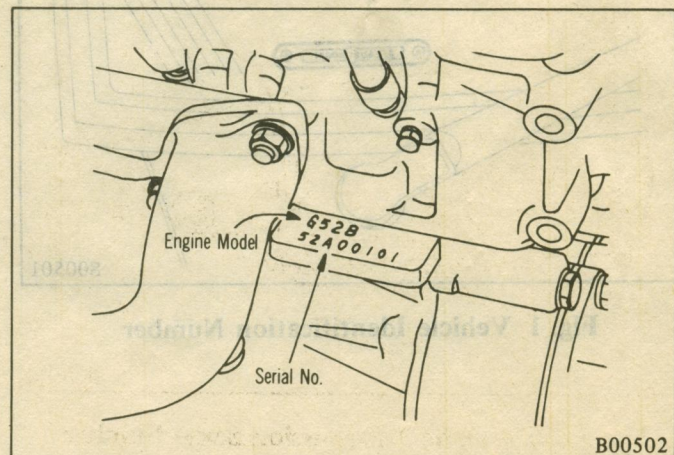
(1) The engine model number is stamped near the engine serial number as shown in Fig. 3.

Engine model	Standard number	
	U.S.A.	Canada
U-engine	G52B	4G52
W-engine	G54B	4G54

(2) The engine serial number is stamped at the right front side on the top edge of the cylinder block.

The engine serial numbers run from 00101 to 99999 and the letter preceding the number changes in the alphabetical order.

Engine model	Engine serial number
U-engine	52A00101 to 52Y99999
W-engine	54A00101 to 54Y99999



B00502

Fig. 3 Engine Model Number and Serial Number

MANUAL TRANSMISSION SERIAL NUMBER BODY COLOR PLATE

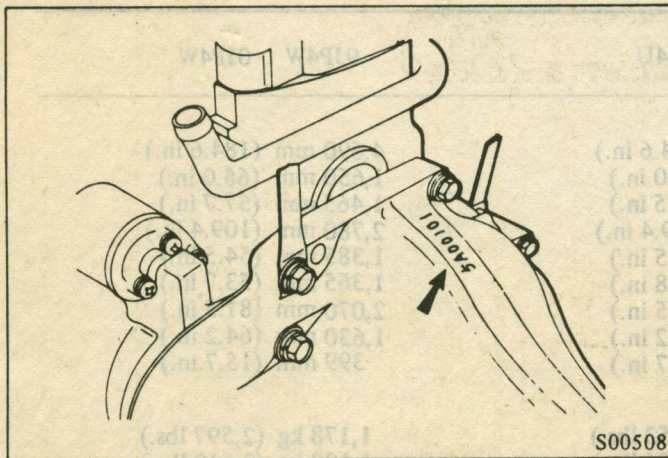


Fig. 4 Manual Transmission Serial Number

The transmission model number is indicated in the chart. The transmission serial number is stamped on the clutch housing of the transmission case.

Transmission model	Serial number stamped	Remarks
KM130 (4-speed)	2A00101 to 2Z99999	Repeat serial number on left for each model.
KM132 (5-speed)	5A00101 to 5Z99999	

AUTOMATIC TRANSMISSION SERIAL NUMBER

Transmission model	Serial number stamped
MA904A (Torque Flite Automatic)	4 digits

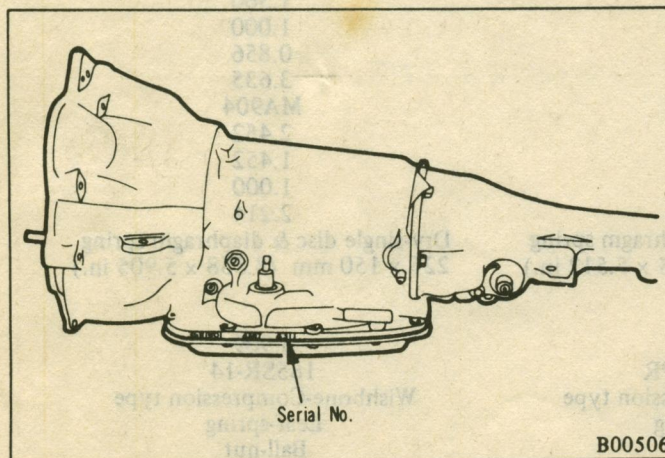


Fig. 5 Automatic Transmission Serial Number (Torque Flite)

The body color plate is located on headlight support panel.

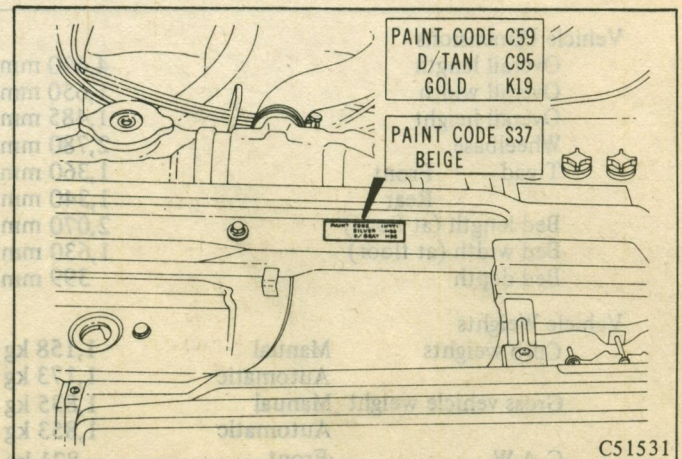
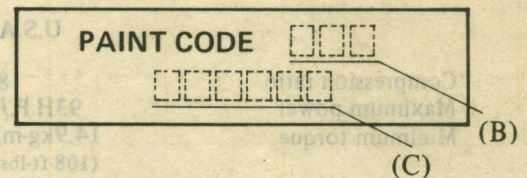


Fig. 6 Body Color Plate Location

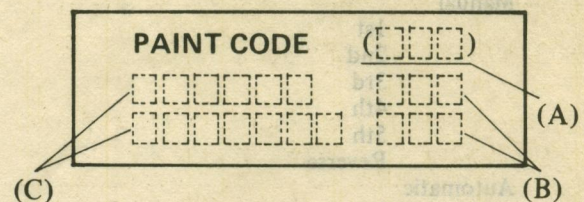
Body Color Code Information

The body color code contains (A) Exterior Code, (B) Paint Code, and (C) Body Color Name.

One Color



Two-tone Color



Paint Chart

Ex. Code (A)	Paint Code (B)	Body Color (C)
—	B22	Bright Blue
—	O73	Orange
—	O90	Yellow
—	S37	Beige
—	W61	White
—	X21	Black
C59	C95	Dark Tan
	K19	Gold

GENERAL DATA AND SPECIFICATIONS

Vehicle Identification Number		9JL4U	0JL4U	9JP4W	0JP4W
Vehicle Dimensions					
Overall length		4,690 mm (184.6 in.)		4,690 mm (184.6 in.)	
Overall width		1,650 mm (65.0 in.)		1,650 mm (65.0 in.)	
Overall height		1,485 mm (58.5 in.)		1,465 mm (57.7 in.)	
Wheelbase		2,780 mm (109.4 in.)		2,780 mm (109.4 in.)	
Tread	Front	1,360 mm (53.5 in.)		1,385 mm (54.5 in.)	
	Rear	1,340 mm (52.8 in.)		1,365 mm (53.7 in.)	
Bed length (at floor)		2,070 mm (81.5 in.)		2,070 mm (81.5 in.)	
Bed width (at floor)		1,630 mm (64.2 in.)		1,630 mm (64.2 in.)	
Bed depth		399 mm (15.7 in.)		399 mm (15.7 in.)	
Vehicle Weights					
Curb weights	Manual	1,158 kg (2,553 lbs.)		1,178 kg (2,597 lbs.)	
	Automatic	1,173 kg (2,586 lbs.)		1,188 kg (2,619 lbs.)	
Gross vehicle weight	Manual	1,835 kg (4,045 lbs.)		1,869 kg (4,120 lbs.)	
	Automatic	1,853 kg (4,085 lbs.)		1,876 kg (4,136 lbs.)	
G.A.W.	Front	821 kg (1,810 lbs.)		821 kg (1,810 lbs.)	
	Rear	1,120 kg (2,470 lbs.)		1,120 kg (2,470 lbs.)	
Gross payload		635 kg (1,400 lbs.)		635 kg (1,400 lbs.)	
Engine					
Model No.	U.S.A.	G52B		G54B	
	Canada	4G52		4G54	
Type		In line OHC		In line OHC	
Displacement		1.995 liter (121.75 CID)		2.555 liter (155.92 CID)	
Bore x Stroke		84.0 x 90.0 mm (3.31 x 3.54 in.)		91.1 x 98 mm (3.59 x 3.86 in.)	
		U.S.A. (G52B)	Canada (4G52)	U.S.A. (G54B)	Canada (4G54)
Compression ratio		8.5	8.5	8.2	8.2
Maximum power		93H.P./5,200rpm	96H.P./5,500rpm	105H.P./5,000rpm	108H.P./5,000rpm
Minimum torque		14.9kg-m/3,000rpm (108 ft-lbs./3,000rpm)	15.1kg-m/3,500rpm (109 ft-lbs./3,500rpm)	19.2kg-m/2,500rpm (139 ft-lbs./2,500rpm)	19.4kg-m/2,500rpm (140 ft-lbs./2,500rpm)
Transmission					
Manual		KM130		KM132	
1st		3.74		3.369	
2nd		2.136		2.035	
3rd		1.360		1.360	
4th		1.000		1.000	
5th		—		0.856	
Reverse		3.635		3.635	
Automatic		MA904		MA904	
1st		2.452		2.452	
2nd		1.452		1.452	
3rd		1.000		1.000	
Reverse		2.214		2.214	
Clutch		Dry-single disc & diaphragm spring		Dry-single disc & diaphragm spring	
Size (OD x ID)		215 x 140 mm (8.465 x 5.512 in.)		225 x 150 mm (8.858 x 5.905 in.)	
Chassis					
Final gear ratio		3.909		3.909	
Tire		6.00-14-6PR		185SR-14	
Suspension	Front	Wishbone-Compression type		Wishbone-Compression type	
	Rear	Leaf-spring		Leaf-spring	
Steering		Ball-nut		Ball-nut	
Brakes		Disc-Drum		Disc-Drum	
Fuel tank		57.2 liter (15.1 US gal.)		57.2 liter (15.1 US gal.)	
Performance					
Turning diameter		11.2 m (36.7 ft.)		11.2 m (36.7 ft.)	

CAPACITY CONVERSION TABLE

U.S.		Imperial		U.S.		Imperial		U.S.		Imperial	
1/4		1/4		7		5-3/4		15		12-1/2	
1/2		3/8		7-1/4		6		15-1/2		13	
3/4		5/8		7-1/2		6-1/4		16		13-1/4	
				7-3/4		6-1/2		16-1/2		13-3/4	
1		3/4		8		6-3/4		16-3/4		14	
1-1/4		1		8-1/4		6-3/4		17		14-1/4	
1-1/2		1-1/4		8-1/2		7		17-1/2		14-1/2	
1-3/4		1-1/2		8-3/4		7-1/4		18		15	
2		1-3/4		9		7-1/2		18-1/2		15-1/2	
2-1/4		1-3/4		9-1/4		7-3/4		19		15-3/4	
2-1/2		2		9-1/2		8		19-1/2		16-1/4	
2-3/4		2-1/4		9-3/4		8		20		16-3/4	
				10		8-1/4		20-1/2		17	
3		2-1/2		10-1/4		8-1/2		21		17-1/2	
3-1/4		2-3/4		10-1/2		8-3/4		21-1/2		18	
3-1/2		3		10-3/4		9		22		18-1/4	
3-3/4		3		11		9-1/4		22-1/2		18-3/4	
4		3-1/4		11-1/4		9-1/4		23		19-1/4	
4-1/4		3-1/2		11-1/2		9-1/2		23-1/2		19-1/2	
4-1/2		3-3/4		11-3/4		9-3/4		24		20	
4-3/4		4		12		10		24-1/2		20-1/2	
5		4-1/4		12-1/4		10-1/4		25		20-3/4	
5-1/4		4-1/4		12-1/2		10-1/2		25-1/2		21-1/4	
5-1/2		4-1/2		12-3/4		10-1/2		26		21-3/4	
5-3/4		4-3/4		13		10-3/4		26-1/2		22	
6		5		13-1/2		11-1/4		27		22-1/2	
6-1/4		5-1/4		14		11-3/4		27-1/2		23	
6-1/2		5-1/2		14-1/2		12		28		23-1/4	
6-3/4		5-1/2						29		24-1/4	
								30		25	

CAPACITY CONVERSION U.S. GALLONS TO LITERS

Gallons	0	1	2	3	4	5	6	7	8	9
	Liters									
-	-	3.7854	7.5708	11.3560	15.1420	18.9270	22.7120	26.4980	30.2830	34.0690
10	37.854	41.640	45.425	49.210	52.996	56.781	60.567	64.352	68.137	71.923
20	75.708	79.494	83.279	87.064	90.850	94.635	98.421	102.210	105.990	109.781
30	113.56	117.35	121.13	124.92	128.70	132.49	136.27	140.06	143.85	147.63
40	151.42	155.20	158.99	162.77	166.56	170.34	174.13	177.91	181.70	185.49
50	189.27	193.06	196.84	200.63	204.41	208.20	211.98	215.77	219.55	223.34
60	227.12	230.91	234.70	238.48	242.27	246.05	249.84	253.62	257.41	261.19
70	264.98	268.76	272.55	276.33	280.12	283.91	287.69	291.48	295.26	299.05
80	302.83	306.62	310.40	314.19	317.97	321.76	325.55	329.33	333.12	336.90
90	340.69	344.47	348.26	352.04	355.83	359.61	363.40	367.18	370.97	374.76

DIMENSION AND TEMPERATURE CONVERSION CHART

Inches	Decimals	Milli- meters	Inches to millimeters		Millimeters to inches		Fahrenheit & Celsius				
			Inches	mm	mm	Inches	°F	°C	°C	°F	
	1/64	.015625	.3969	.0001	.00254	0.001	.000039	-20	-28.9	-30	-22
	1/32	.03125	.7937	.0002	.00508	0.002	.000079	-15	-26.1	-28	-18.4
	3/64	.046875	1.1906	.0003	.00762	0.003	.000118	-10	-23.3	-26	-14.8
1/16		.0625	1.5875	.0004	.01016	0.004	.000157	-5	-20.6	-24	-11.2
	5/64	.078125	1.9844	.0005	.01270	0.005	.000197	0	-17.8	-22	-7.6
	3/32	.09375	2.3812	.0006	.01524	0.006	.000236	1	-17.2	-20	-4
	7/64	.109375	2.7781	.0007	.01778	0.007	.000276	2	-16.7	-18	-0.4
1/8		.125	3.1750	.0008	.02032	0.008	.000315	3	-16.1	-16	3.2
	9/64	.140625	3.5719	.0009	.02286	0.009	.000354	4	-15.6	-14	6.8
	5/32	.15625	3.9687	.001	.0254	0.01	.00039	5	-15.0	-12	10.4
	11/64	.171875	4.3656	.002	.0508	0.02	.00079	10	-12.2	-10	14
3/16		.1875	4.7625	.003	.0762	0.03	.00118	15	-9.4	-8	17.6
	13/64	.203125	5.1594	.004	.1016	0.04	.00157	20	-6.7	-6	21.2
	7/32	.21875	5.5562	.005	.1270	0.05	.00197	25	-3.9	-4	24.8
	15/64	.234375	5.9531	.006	.1524	0.06	.00236	30	-1.1	-2	28.4
1/4		.25	6.3500	.007	.1778	0.07	.00276	35	1.7	0	32
	17/64	.265625	6.7469	.008	.2032	0.08	.00315	40	4.4	2	35.6
	9/32	.28125	7.1437	.009	.2286	0.09	.00354	45	7.2	4	39.2
	19/64	.296875	7.5406	.01	.254	0.1	.00394	50	10.0	6	42.8
5/16		.3125	7.9375	.02	.508	0.2	.00787	55	12.8	8	46.4
	21/64	.328125	8.3344	.03	.762	0.3	.01181	60	15.6	10	50
	11/32	.34375	8.7312	.04	1.016	0.4	.01575	65	18.3	12	53.6
	23/64	.359375	9.1281	.05	1.270	0.5	.01969	70	21.1	14	57.2
3/8		.375	9.5250	.06	1.524	0.6	.02362	75	23.9	16	60.8
	25/64	.390625	9.9219	.07	1.778	0.7	.02756	80	26.7	18	64.4
	13/32	.40625	10.3187	.08	2.032	0.8	.03150	85	29.4	20	68
	27/64	.421875	10.7156	.09	2.286	0.9	.03543	90	32.2	22	71.6
7/16		.4375	11.1125	.1	2.54	1	.03937	95	35.0	24	75.2
	29/64	.453125	11.5094	.2	5.08	2	.07874	100	37.8	26	78.8
	15/32	.46875	11.9062	.3	7.62	3	.11811	105	40.6	28	82.4
	31/64	.484375	12.3031	.4	10.16	4	.15748	110	43.3	30	86
1/2		.5	12.7000	.5	12.70	5	.19685	115	46.1	32	89.6
	33/64	.515625	13.0969	.6	15.24	6	.23622	120	48.9	34	93.2
	17/32	.53125	13.4937	.7	17.78	7	.27559	125	51.7	36	96.8
	35/64	.546875	13.8906	.8	20.32	8	.31496	130	54.4	38	100.4
9/16		.5625	14.2875	.9	22.86	9	.35433	135	57.2	40	104
	37/64	.578125	14.6844	1	25.4	10	.39370	140	60.0	42	107.6
	19/32	.59375	15.0812	2	50.8	11	.43307	145	62.8	44	112.2
	39/64	.609375	15.4781	3	76.2	12	.47244	150	65.6	46	114.8
5/8		.625	15.8750	4	101.6	13	.51181	155	68.3	48	118.4
	41/64	.640625	16.2719	5	127.0	14	.55118	160	71.1	50	122
	21/32	.65625	16.6687	6	152.4	15	.59055	165	73.9	52	125.6
	43/64	.671875	17.0656	7	177.8	16	.62992	170	76.7	54	129.2
11/16		.6875	17.4625	8	203.2	17	.66929	175	79.4	56	132.8
	45/64	.703125	17.8594	9	228.6	18	.70866	180	82.2	58	136.4
	23/32	.71875	18.2562	10	254.0	19	.74803	185	85.0	60	140
	47/64	.734375	18.6531	11	279.4	20	.78740	190	87.8	62	143.6
3/4		.75	19.0500	12	304.8	21	.82677	195	90.6	64	147.2
	49/64	.765625	19.4469	13	330.2	22	.86614	200	93.3	66	150.8
	25/32	.78125	19.8437	14	355.6	23	.90551	205	96.1	68	154.4
	51/64	.796875	20.2406	15	381.0	24	.94488	210	98.9	70	158
13/16		.8125	20.6375	16	406.4	25	.98425	212	100.0	75	167
	53/64	.828125	21.0344	17	431.8	26	1.02362	215	101.7	80	176
	27/32	.84375	21.4312	18	457.2	27	1.06299	220	104.4	85	185
	55/64	.859375	21.8281	19	482.6	28	1.10236	225	107.2	90	194
7/8		.875	22.2250	20	508.0	29	1.14173	230	110.0	95	203
	57/64	.890625	22.6219	21	533.4	30	1.18110	235	112.8	100	212
	29/32	.90625	23.0187	22	558.8	31	1.22047	240	115.6	105	221
	59/64	.921875	23.4156	23	584.2	32	1.25984	245	118.3	110	230
15/16		.9375	23.8125	24	609.6	33	1.29921	250	121.1	115	239
	61/64	.953125	24.2094	25	635.0	34	1.33858	255	123.9	120	248
	31/32	.96875	24.6062	26	660.4	35	1.37795	260	126.6	125	257
	63/64	.984375	25.0031	27	690.6	36	1.41732	265	129.4	130	266

CONVERSION-ENGLISH AND SI METRIC MEASURE**Cubic Centimeters to Inches:**

When changing cubic centimeters to cubic inches, multiply cubic centimeters times .061 to obtain cubic inches, ($\text{C.C.} \times .061 = \text{Cubic Inches}$).

Cubic Inches to Centimeters:

When changing cubic inches to cubic centimeters, multiply cubic inches times 16.93 to obtain cubic centimeters, ($\text{Cubic Inches} \times 16.39 = \text{C.C.}$).

Liters to Cubic Inches:

When changing liters to cubic inches, multiply liters times 61.02 to obtain cubic inches, ($\text{Liters} \times 61.02 = \text{Cubic Inches}$).

Cubic Inches to Liters:

When changing cubic inches to liters, multiply cubic inches times .01639 to obtain liters, ($\text{Cubic Inches} \times .01639 = \text{Liters}$).

Cubic Centimeters to Liters

When changing cubic centimeters to liters, divide by 1,000 simply by moving the decimal point three figures to the left.

Liters to Cubic Centimeters:

When changing liters to cubic centimeters, move the decimal point three figures to the right.

Miles to Kilometers:

When changing miles to kilometers, multiply miles times 1.609 to obtain kilometers, ($\text{Miles} \times 1.609 = \text{Kilometers}$).

Kilometers to Miles:

When changing kilometers to miles, multiply kilometers times .6214 to obtain miles, ($\text{Kilometers} \times .6214 = \text{Miles}$).

Pounds to Kilograms:

When changing pounds to kilograms, multiply pounds times .4536 to obtain kilograms, ($\text{Pounds} \times .4536 = \text{Kilograms}$).

Kilograms to Pounds:

When changing kilograms to pounds, multiply kilograms times 2.2046 to obtain pounds, ($\text{Kilograms} \times 2.2046 = \text{Pounds}$).

Pounds to Newtons:

When changing pounds to newtons, multiply pounds times 4.4482 to obtain newtons, ($\text{Pounds} \times 4.4482 = \text{Newtons}$).

Newtons to Pounds:

When changing newtons to pounds, multiply newtons times .2248 to obtain pounds, ($\text{Newtons} \times .2248 = \text{Pounds}$).

Pound-Feet to Newton Meters:

When changing pound-feet to newton meters, multiply pound-feet times 1.3558 to newton meters, ($\text{Pound-Feet} \times 1.3558 = \text{Newton Meters}$).

Newton Meters to Pound-Feet:

When changing newton meters to pound-feet, multiply newton meters times .7376 to obtain pound-feet, ($\text{Newton Meters} \times .7376 = \text{Pound-Feet}$).

Pounds Per Square Inch to Kilopascals:

When changing pounds per square inch to kilopascals, multiply pounds per square inch times 6.895 to obtain kilopascals, ($\text{Pounds Per Square Inch} \times 6.895 = \text{Kilopascals}$).

Kilopascals to Pounds Per Square Inch:

When changing kilopascals to pounds per square inch, multiply kilopascals times .1450 to obtain pounds per square inch, ($\text{Kilopascals} \times .1450 = \text{Pounds Per Square Inch}$).

TIGHTENING TORQUE

Description	Torque Nm (ft-lbs.)		Remarks
Thread for general purposes (size x pitch) (mm)	Head mark 4	Head mark 7	
6 x 1.0	3.0 to 3.9 (2.2 to 2.9)	4.9 to 7.8 (3.6 to 5.8)	
8 x 1.25	7.9 to 12 (5.8 to 8.7)	13 to 19 (9.4 to 14)	
10 x 1.25	16 to 23 (12 to 17)	27 to 39 (20 to 29)	
12 x 1.25	29 to 43 (21 to 32)	47 to 72 (35 to 53)	
14 x 1.5	48 to 70 (35 to 52)	77 to 110 (57 to 85)	
16 x 1.5	67 to 100 (51 to 77)	130 to 160 (90 to 120)	
18 x 1.5	100 to 150 (74 to 110)	180 to 230 (130 to 170)	
20 x 1.5	150 to 190 (110 to 140)	260 to 320 (190 to 240)	
22 x 1.5	200 to 260 (150 to 190)	340 to 430 (250 to 320)	
24 x 1.5	260 to 320 (190 to 240)	420 to 550 (310 to 410)	
Taper thread for pipes (size)			
PT 1/8	7.9 to 12 (5.8 to 8.7)		Internal thread: Aluminum Internal thread: Cast iron
PT 1/4	16 to 19 (12 to 14)		
	19 to 30 (14 to 22)		Internal thread: Aluminum
	34 to 45 (25 to 33)		Internal thread: Cast iron
PT 3/8	39 to 54 (29 to 40)		Internal thread: Aluminum
	58 to 73 (43 to 54)		Internal thread: Cast iron
Taper thread for dry sealed pipes (size)			
NPTF 1/16	4.9 to 7.8 (3.6 to 5.8)		Internal thread: Aluminum
	7.9 to 12 (5.8 to 8.7)		Internal thread: Cast iron
NPTF 1/8	7.9 to 12 (5.8 to 8.7)		Internal thread: Aluminum
	16 to 19 (12 to 14)		Internal thread: Cast iron
NPTF 1/4	19 to 30 (14 to 22)		Internal thread: Aluminum
	34 to 45 (25 to 33)		Internal thread: Cast iron