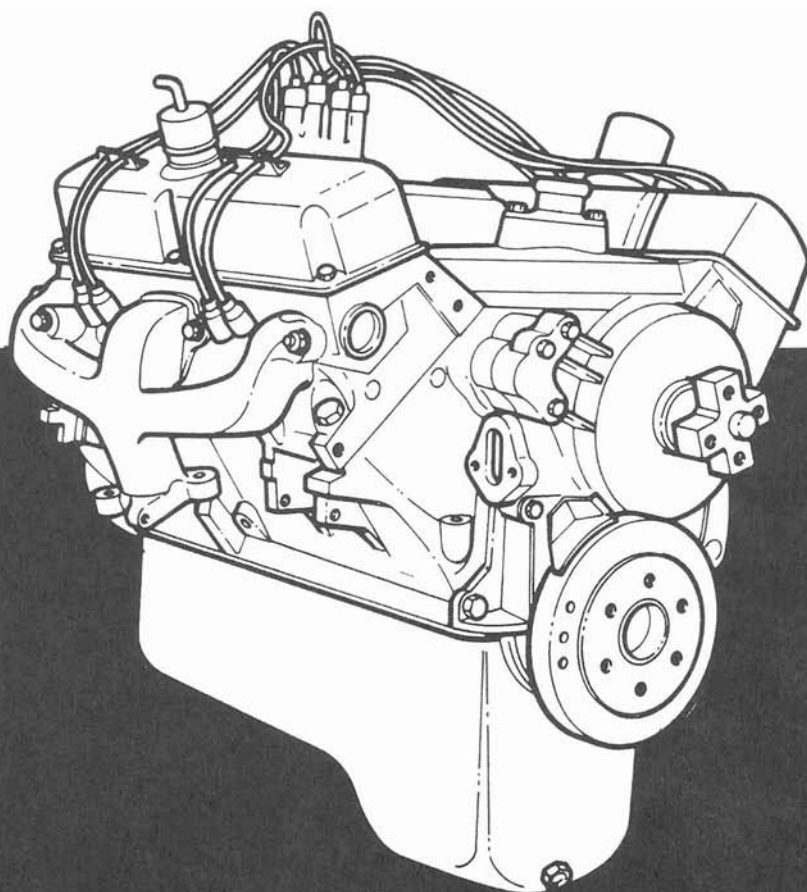




CHRYSLER
CORPORATION

INDUSTRIAL PRODUCTS
DIVISION



318 ENGINE

PARTS CATALOG 1985

81-705-5003
PRINTED IN U.S.A.

**STARTING
SERIAL No.
E578495**

The structure and format of this publication has been made to conform to the manner in which Chrysler supplied the basic engine to Industrial Engine accounts and to achieve a simpler and more user oriented catalog.

To improve useability, all major serviceable components are compiled in an Illustration to Text format.

The catalog includes the serviceable parts for the Engine as Shipped. Including the Distributor.

“As Shipped” Engine components are listed in columnar fashion, identified by the “As Shipped” part number which will be found on the identification plate located on the right front of the cylinder head or other suitable or accessible locations. Only serviceable parts are listed.

For service part numbers of other accessories or components, refer to the appropriate Chrysler parts list or original equipment manufacturers parts list covering your machine.

H318

Industrial Engine

Specifications

No. of Cylinders, Type	V-8, 90° OHV, 4-cycle
Bore x Stroke, in (mm)	3.91 x 3.31 (99 x 84)
Displacement, Cu In (liters)	318 (5.2)
Compression Ratio	9.2:1
Fuel	Regular-leaded or unleaded gasoline; natural gas or LPG
Carburetor	2 bbl
Ignition System	Electronic
Alternator	60 amp, 12V, neg. ground
Basic Engine Weights, Lbs (kg)	.582 (264)

Options

Premium LPG Engine: High alloy exhaust valve seat inserts.

Governors: Mechanical belt-driven, constant speed or variable speed — 1200-3600 rpm. Velocity governors — 2800-3800 rpm.

Carburetor: Two-barrel downdraft automotive type with automatic choke. Natural gas or LPG carburetor can be used.

Air Cleaner: Replaceable element — dry-type.

Flywheel and Ring Gear: Flat face truck-type; flex plate for some torque converters; power take-off for use with Rockford or Twin Disc type overcenter clutches. Other attachment available.

Housing Flywheel: SAE No. 3 and SAE No. 4.

Transmissions: Automatic three-speed, manual four-speed, manual five-speed — with or without transmission parking brake.

Transfer Case: Four-wheel drive applications.

Fans: Various diameters, blades and pitches available. Hi-Fan position optional.

Auxiliary Front End Drives: Power steering pump, pulley-type power take offs, 4-sheave pulley with U-joint flange.

Note: Other options and accessories may be custom installed at the factory or packaged separately for your assembly.

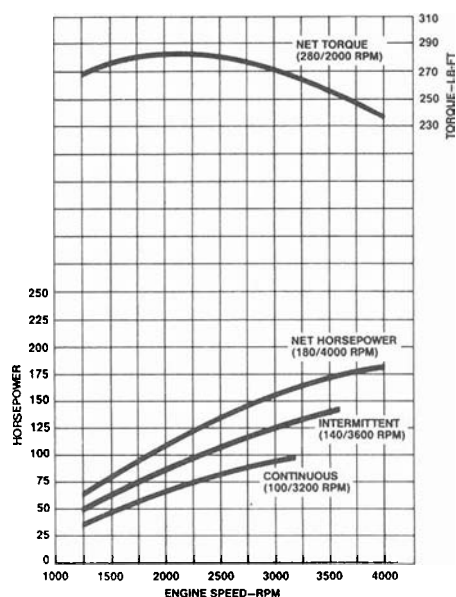
Performance

All ratings shown on chart corrected to 77°F dry air and 29.31 in. HG (sea level) barometric pressure (SAE J1349). **NET HORSEPOWER:** Rated with air cleaner, alternator — and no fan.

INTERMITTENT HORSEPOWER: Used for applications where engine is operated from idle to full speed and “no load” to “full load” on an intermittent basis.

CONTINUOUS HORSEPOWER: Used for applications where the engine is operated at maximum governed speed and full load for extended periods.

Although all descriptions and pictorial representations of the products herein are believed to be correct at time of publication, accuracy cannot be guaranteed. The policy of Component Business Operations, Chrysler Corporation, is one of continual improvement. Therefore, equipment, colors, materials and other specifications, model availability and prices are subject to change without notice or obligation.



ENGINE NAME PLATE

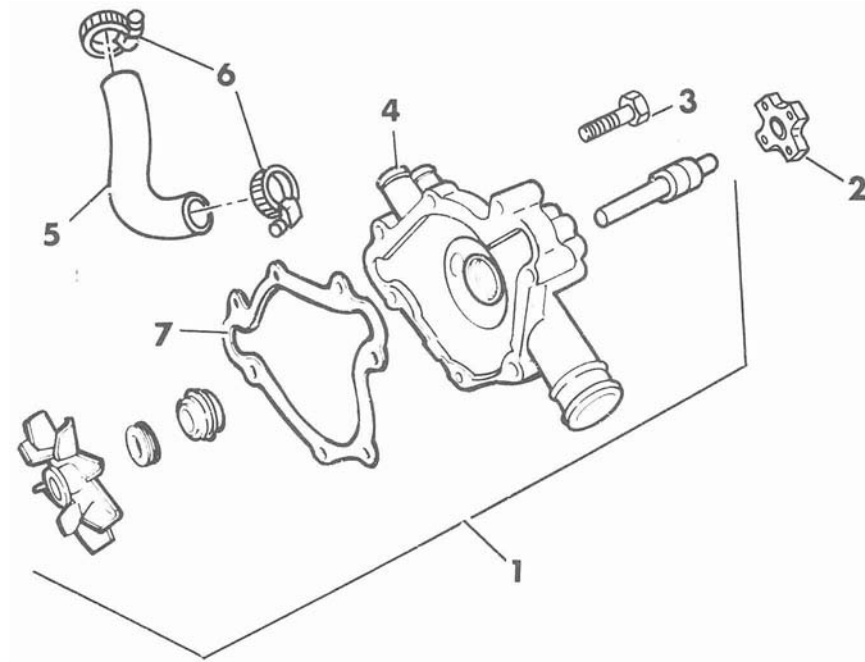


V-8 ENGINE

A metal engine name plate, containing model, type and series number (and special part number, if applicable) will be found on all Industrial Engines.

When ordering parts ALWAYS include this information.

WATER PUMP AND RELATED PARTS LH318 ENGINE

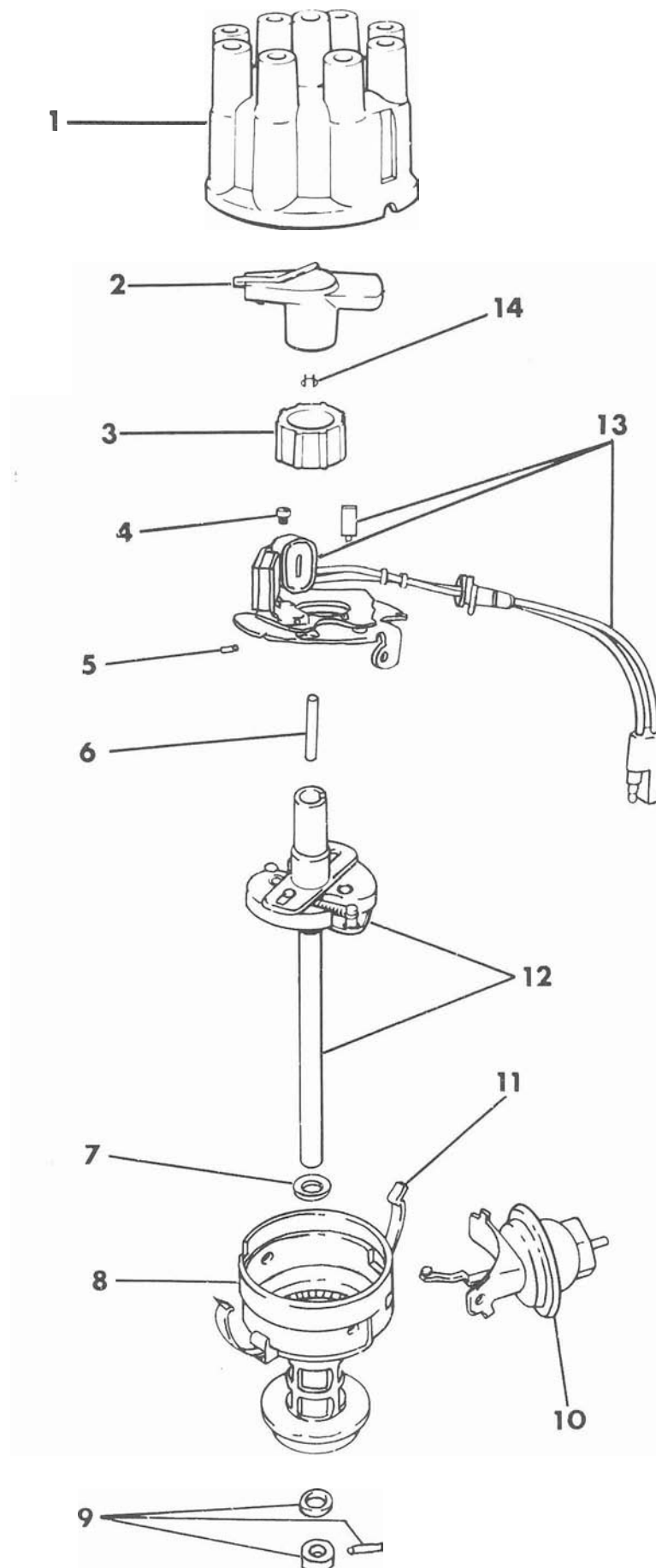


INDUSTRIAL ENGINE PARTS CATALOG

ITEM	DESCRIPTION	QTY.	PART NUMBER
1	PUMP, Water		
	Aluminum	1	3837 641
	Cast Iron	1	3004 866
2	HUB, Fan Pulley	1	3671 525
3	SCREW, Water Pump		
	3/8-16 x 2	1	6027 880
	3/8-16 x 2-3/4	2	9420 892
	3/8-16 x 5	2	6031 761
	3/8-16 x 5-1/4	3	6028 166
4	NIPPLE, Water Pump By-Pass	1	2402 903
5	HOSE, Water Pump By-Pass	1	4095 227
6	CLAMP, Water Pump By-Pass	2	3683 824
7	GASKET, Water Pump Body	1	2129 013

INDUSTRIAL ENGINE PARTS CATALOG

DISTRIBUTOR AND CABLES LH318 ENGINE



INDUSTRIAL ENGINE PARTS CATALOG

DISTRIBUTOR, CABLES AND COIL LH318 ENGINE

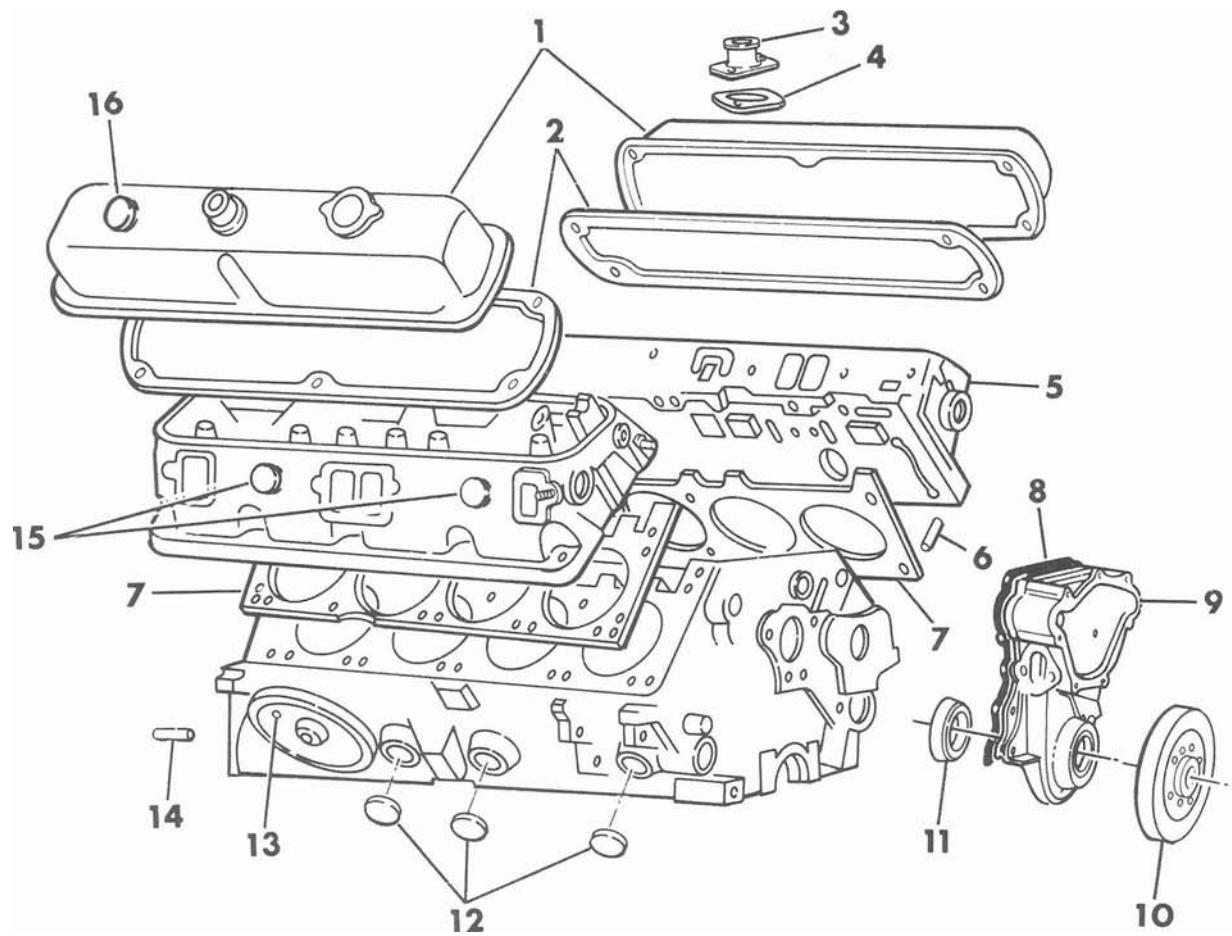
ITEM	DESCRIPTION	QTY.	PART NUMBER
	DISTRIBUTOR, except LPG (Less Cap and Rotor)	1	4111 502
	DISTRIBUTOR, LPG (Less Cap and Rotor).	1	#4289 402
1	CAP	1	4111 640
2	ROTOR	1	3874 401
3	RELUCTOR	1	3656 017
4	SCREW	1	6026 763
5	PIN		
	Except LPG	1	9417 599
	LPG	1	#9414 300
6	PIN, except LPG	1	9414 521
7	SEAL		
	Except LPG	1	2875 028
	LPG	1	#1838 502
8	HOUSING, w/BEARING		
	Except LPG	1	3755 261
	LPG (Serviced in Assembly)		
9	COLLAR and PIN PACKAGE	1	2932 988
10	CONTROL, Vacuum		
	Except LPG	1	3755 474
	LPG	1	#3755 073
11	SPRING, Cap	2	1838 508
12	SHAFT, w/GOVERNOR		
	Except LPG (Serviced in Assembly)		
	LPG	1	#4289 011
13	PICK-UP, w/PLATE		
	Except LPG	1	3656 738
	LPG	1	4145 210
14	RING, Snap, except LPG	1	1879 607

NOTE: The Following Items are not Illustrated

CLAMP, Distributor Mounting	1	1947 612
O-RING, Distributor Mounting	1	2875 923
SPACER, Reluctor Sleeve, except LPG	1	2642 988
CABLE SET, Spark Plug	1	4240 434
CABLE, Coil	1	5213 367
COIL w/Bracket	1	4111 472
PLUG, Spark RN11Y.	8	3874 318

- Order parts direct from Chrysler Corp., Industrial Div.

EXTERNAL ENGINE LH318 ENGINE



INDUSTRIAL ENGINE PARTS CATALOG

EXTERNAL ENGINE LH318 ENGINE

ITEM	DESCRIPTION	QTY.	PART NUMBER
	GASKET SET, Engine		
	Upper	1	4049 264
	Lower	1	3837 644
1	COVER, Cylinder Head		
	Right	1	4071 035
	Left.	1	4006 302
	SCREW, Cylinder Head Cover	10	6031 688
2	GASKET, Cylinder Head Cover	2	4273 129
3	CONNECTOR, Cylinder Water Outlet	1	4100 490
4	GASKET, Cylinder Water Outlet Connector.	1	4173 461
5	HEAD, Cylinder		
	Except LPG	2	4323 423
	LPG	2	#4382 056
	BOLT, Cylinder Head		
	1/2 x 1-7/8	10	6031 045
	1/2 x 3-5/8	8	6031 101
	1/2 x 4-5/8	2	2463 260
6	DOWEL, Cylinder Block to Cylinder Head	4	141 215
7	GASKET, Cylinder Head	2	4186 348
8	GASKET, Chain Case Cover	1	2129 012
9	COVER, Chain Case	1	3769 964
	SCREW, Chain Case Cover	3	181 112
		1	180 122
10	DAMPER, Crankshaft Vibration	1	4173 443
11	SEAL, Chain Case Cover Oil	1	3830 109
12	PLUG, Cylinder Block Core Hole		
	1.635	9	5203 342
	1.2585	1	5203 341
	1.695	AR	5203 344
13	PLUG, Cylinder Block Oil Hole	1	3462 871
14	DOWEL, Cylinder Block to Clutch Housing or Torque Converter Housing		
	Std.	2	1122 532
	.007 Over Center.	2	1736 347
	.014 Over Center.	2	1736 348
	.021 Over Center.	2	1736 353
15	PLUG, Cylinder Head Core Hole, 1.2605.	4	5203 341
16	PLUG, Cylinder Head Cover.	1	3640 339

NOTE: The following items are not shown

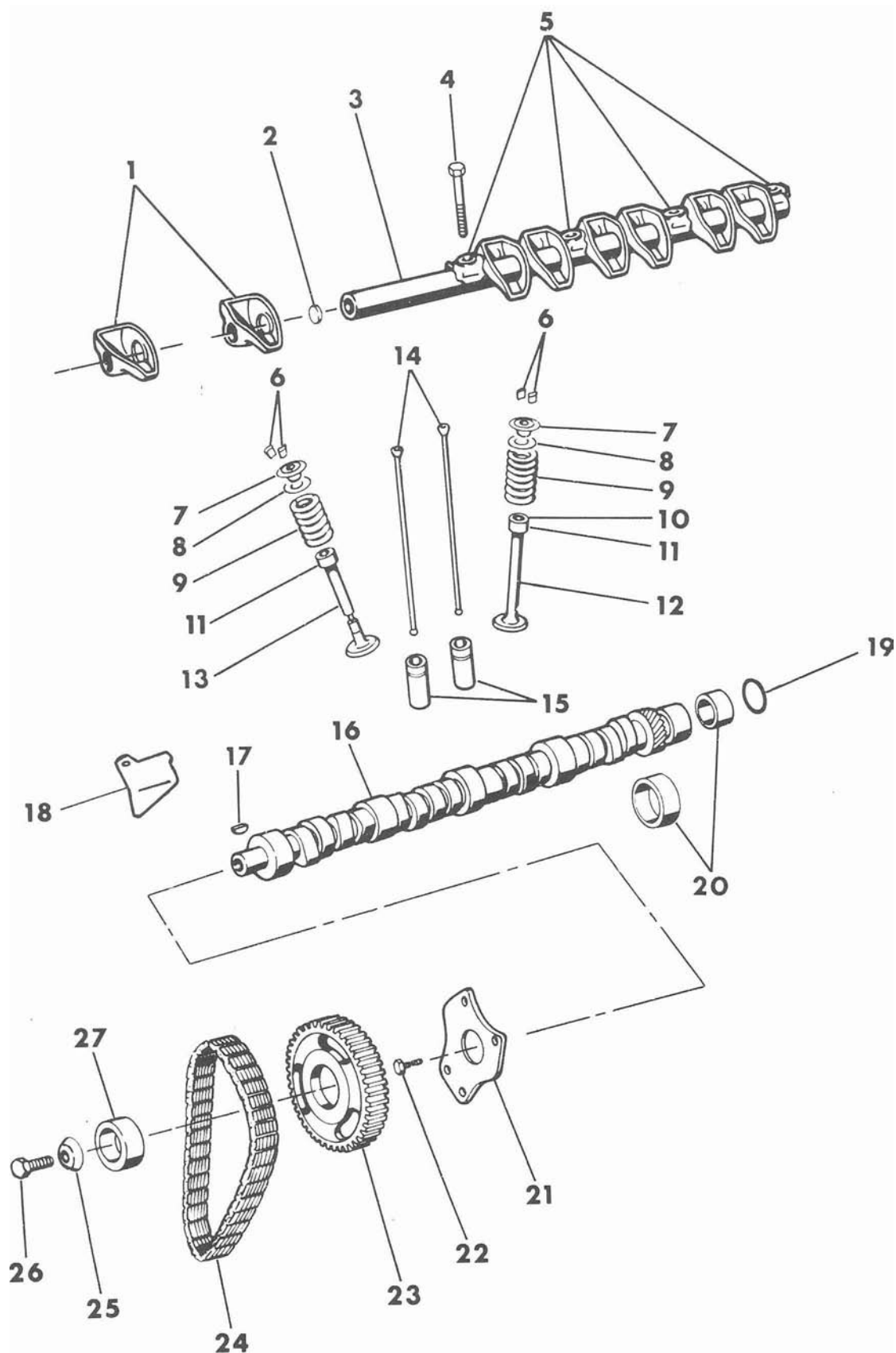
GROMMET, Crankcase Vent Inlet Air Cleaner.	1	2946 079
GROMMET, Vent Valve	1	3751 510
VALVE, Crankcase Vent.	1	3671 076
CAP, Cyl. Head Cover Oil Fill	1	2946 051
THERMOSTAT, 195°	1	4131 240
SWITCH, Low Oil Pressure	1	4186 352

AR - Indicates use as required.

- Order parts direct from Chrysler Corp., Industrial Div.

INDUSTRIAL ENGINE PARTS CATALOG

CAMSHAFT, VALVES, ROCKER SHAFT, TIMING CHAIN LH318 ENGINE



INDUSTRIAL ENGINE PARTS CATALOG

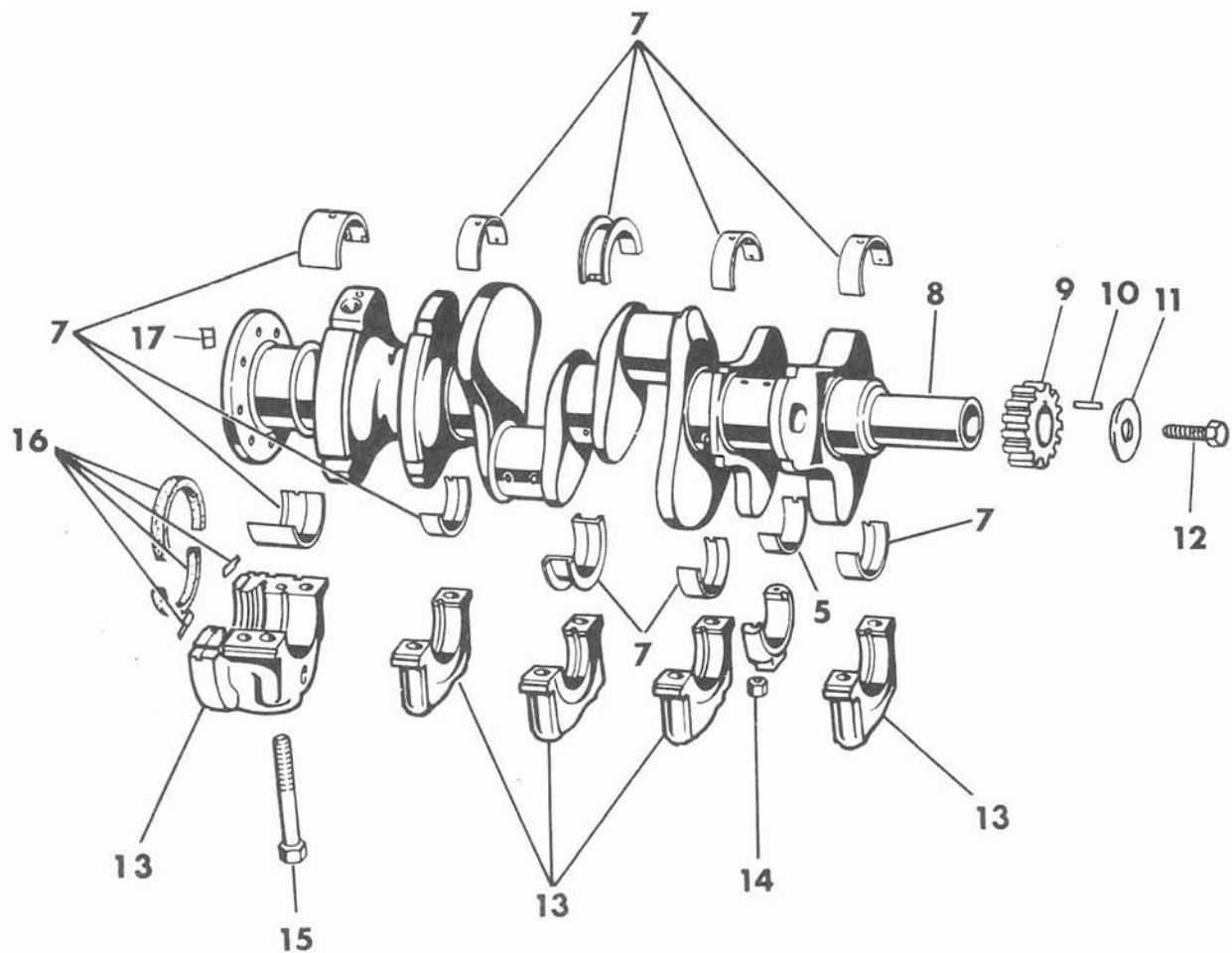
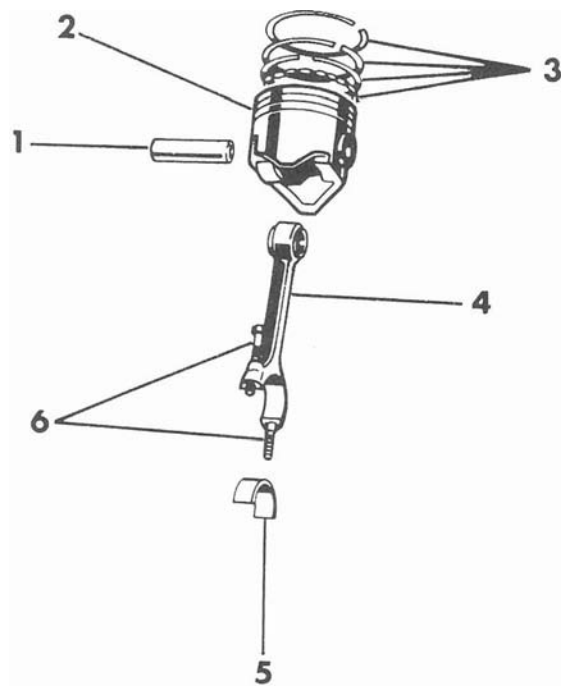
CAMSHAFT, VALVES, ROCKER SHAFT, TIMING CHAIN LH318 ENGINE

ITEM	DESCRIPTION	QTY.	PART NUMBER
1	ROCKER, Valve		
	Right	8	3418 425
	Left	8	3418 424
2	PLUG, Valve Rocker Shaft	4	1324 268
3	SHAFT, Valve Rocker	2	2532 149
4	SCREW, Valve Rocker Shaft Retainer	10	181 096
5	RETAINER, Valve Rocker Shaft		
	Ends and Center	6	2463 322
	Intermediate	4	2463 323
6	LOCK, Intake and Exhaust Valve Spring Retainer		
	Intake Valve	16	381 875
	Exhaust Valve (w/Two Grooves)	16	381 875
	Exhaust Valve (w/Four Grooves)	16	1614 666
7	RETAINER, Intake and Exhaust Valve Spring	AR	2402 045
	ROTATOR, Exhaust Valve Spring	8	3751 659
8	SPACER, Valve Spring	16	1859 144
9	SPRING, Intake Valve	AR	1739 534
	Exhaust Valve, w/Rotators	8	3751 091
	SPRING, Valve and Damper (Exhaust)	8	4100 687
10	SEAL, Valve Guide - Intake	8	4095 543
11	SHIELD, Exhaust Valve Stem Oil	8	4071 006
12	VALVE, Intake		
	Std.	8	2465 335
	.005 O/S	8	2465 336
	.015 O/S	8	2465 337
	.030 O/S	8	2465 338
13	VALVE, Exhaust		
	Two Groove Retainer Lock		
	Std.	8	4100 367
	.005 O/S	8	4100 368
	.015 O/S	8	4100 369
	.030 O/S	8	4100 370
	Four Groove Retainer Lock		
	Std.	8	4100 387
	.005 O/S	8	4100 388
	.015 O/S	8	4100 389
	.030 O/S	8	4100 390
14	ROD, Valve Push	16	4095 291
15	TAPPET, Valve		
	Std.	16	4049 338
	.001 O/S	16	4049 339
	.008 O/S	16	4049 340
	.030 O/S	16	4049 341
16	CAMSHAFT	1	4227 879
17	KEY, Camshaft Sprocket	1	106 751
18	TAB, Timing Chain Oil	1	3671 649
19	PLUG, Camshaft Rear Bearing	1	1821 722
20	BEARING, Camshaft		
	No. 1	1	3830 603
	No. 2	1	4179 776
	No. 3	1	4179 777
	No. 4	1	4179 778
	No. 5	1	1632 526
21	PLATE, Camshaft Sprocket Thrust	1	1618 670
22	SCREW, Camshaft Sprocket Thrust Plate	3	191 674
23	SPROCKET, Camshaft	1	2843 610
	w/Double Roller Timing Chain	1	2899 556
24	CHAIN, Timing	1	3514 182
	w/Double Roller Timing Chain	1	1327 319
25	WASHER, Sprocket Retainer Screw	1	1618 732
26	SCREW, Camshaft Sprocket Retainer	1	6029 735
27	ECCENTRIC, Camshaft	1	2843 661

AR - Indicates use as required.

INDUSTRIAL ENGINE PARTS CATALOG

CRANKSHAFT, PISTONS, RINGS, CONNECTING RODS LH318 ENGINE



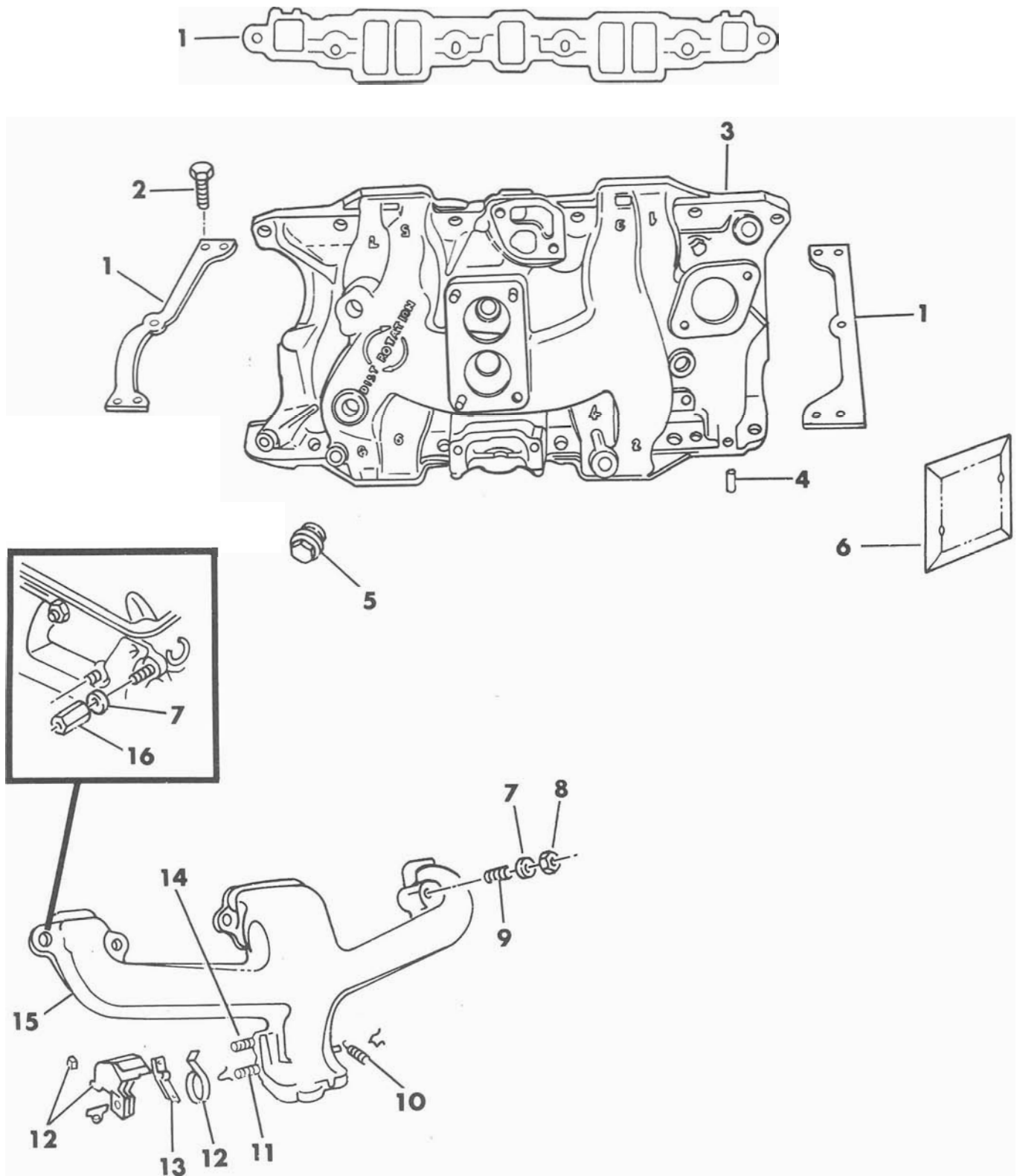
INDUSTRIAL ENGINE PARTS CATALOG

CRANKSHAFT, PISTONS, RINGS, CONNECTING RODS LH318 ENGINE

ITEM	DESCRIPTION	QTY.	PART NUMBER
1	PIN, Piston		
	Std.	8	2658 878
	.003 O/S	8	2658 879
	.008 O/S	8	2658 880
2	PISTON, w/PIN		
	Std.	8	4342 772
	.020 O/S	8	4342 773
3	RING SET, Piston		
	1 Piston		
	Std. to .009 O/S	8	3780 004
	.020 to .029 O/S	8	3780 005
	SET (All Pistons)		
	Std. to .009 O/S	1	2808 550
	.020 to .029 O/S	1	2808 551
4	ROD, Connecting	8	3751 015
5	BEARING, Connecting Rod		
	Std.	8	4186 118
	.001 U/S	8	4186 119
	.002 U/S	8	4186 120
	.003 U/S	8	4186 121
	.010 U/S	8	4186 122
	.012 U/S	8	4186 123
6	BOLT, Connecting Rod Bearing Cap	16	4273 344
7	BEARING, Crankshaft		
	No. 1, 2, 4, Std.	3	4186 194
	.001 U/S	3	2084 006
	.002 U/S	3	2084 007
	.003 U/S	3	2275 387
	.010 U/S	3	2084 008
	.012 U/S	3	2275 338
	No. 3, Std.	1	3780 075
	.001 U/S	1	3780 076
	.002 U/S	1	3780 077
	.003 U/S	1	3780 078
	.010 U/S	1	3780 079
	.012 U/S	1	3780 080
	No. 5, Std.	1	3514 151
	.001 U/S	1	3514 152
	.002 U/S	1	3514 153
	.003 U/S	1	3514 154
	.010 U/S	1	3514 155
	.012 U/S	1	3514 156
8	CRANKSHAFT	1	3751 831
9	SPROCKET, Crankshaft	1	2463 385
	Double Roller Timing Chain	1	1637 657
10	KEY, Crankshaft Sprocket	1	6029 411
11	WASHER, Crankshaft Screw	1	1855 561
12	SCREW, Crankshaft.	1	1821 414
13	CAP, Crankshaft Bearing		
	No. 1, 2, 4	3	2863 854
	No. 3	1	2463 582
	No. 5	1	4173 189
14	NUT, Connecting Rod Bearing Cap Bolt	16	6032 296
15	SCREW, Crankshaft Bearing Cap	10	1618 695
16	OIL SEAL PACKAGE, Crankshaft Rear Bearing	2	4240 044
17	BUSHING, Crankshaft Trans. Pilot	1	53 298

INDUSTRIAL ENGINE PARTS CATALOG

INTAKE AND EXHAUST MANIFOLD LH318 ENGINE



INDUSTRIAL ENGINE PARTS CATALOG

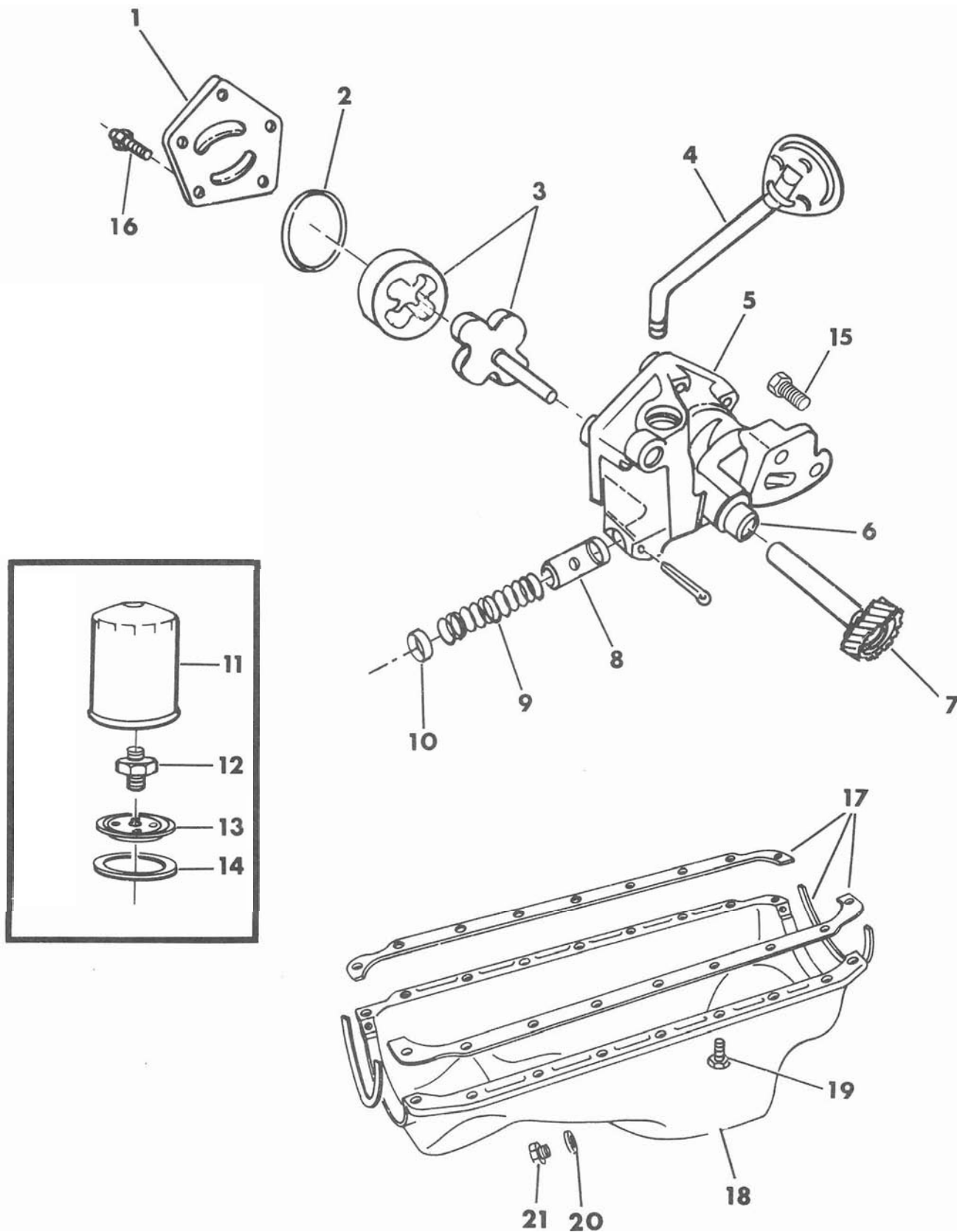
INTAKE AND EXHAUST MANIFOLD LH318 ENGINE

ITEM	DESCRIPTION	QTY.	PART NUMBER
1	GASKET PACKAGE, Intake Manifold		
	Open Crossover Port	1	3837 605
	Closed Crossover Port - LPG	1	#2806 938
2	BOLT, Intake Manifold, 3/8 x 1-5/8	12	454 467
3	MANIFOLD, Intake	1	4201 135
4	DOWEL, Intake Manifold Gasket.	2	4006 583
5	PLUG, Intake Manifold Vacuum Hole	1	1859 127
6	SHIELD, Intake Manifold Heat	1	3698 458
7	WASHER, Exhaust Manifold End.	4	2121 223
8	NUT, Exhaust Manifold.	AR	120 368
9	STUD, Exhaust Manifold		
	Right and Left	1	6030 662
	End	AR	117 713
	SCREW, Exhaust Manifold	4	6031 857
	Long	1	181 097
10	SPRING, Exhaust Manifold Heat Control Valve Shaft	1	2951 626
11	PIN, Heat Control Valve Damper	1	2951 726
12	CONTROL PACKAGE, Heat	1	3683 947
13	STOP, Heat Control Valve	1	2946 083
14	PIN, Heat Control Valve Stop	1	9409 667
15	MANIFOLD, Exhaust		
	Right, w/o Heat Riser	1	3879 720
	Right, w/Heat Riser	1	3879 721
	Left	1	3879 720
16	NUT, Exhaust Manifold End	1	6031 179
	SENDING UNIT, Temperature Gauge	1	4051 140

- Serviced by M & I Division
AR - Use as required

INDUSTRIAL ENGINE PARTS CATALOG

OIL PUMP AND OIL PAN LH318 ENGINE



INDUSTRIAL ENGINE PARTS CATALOG

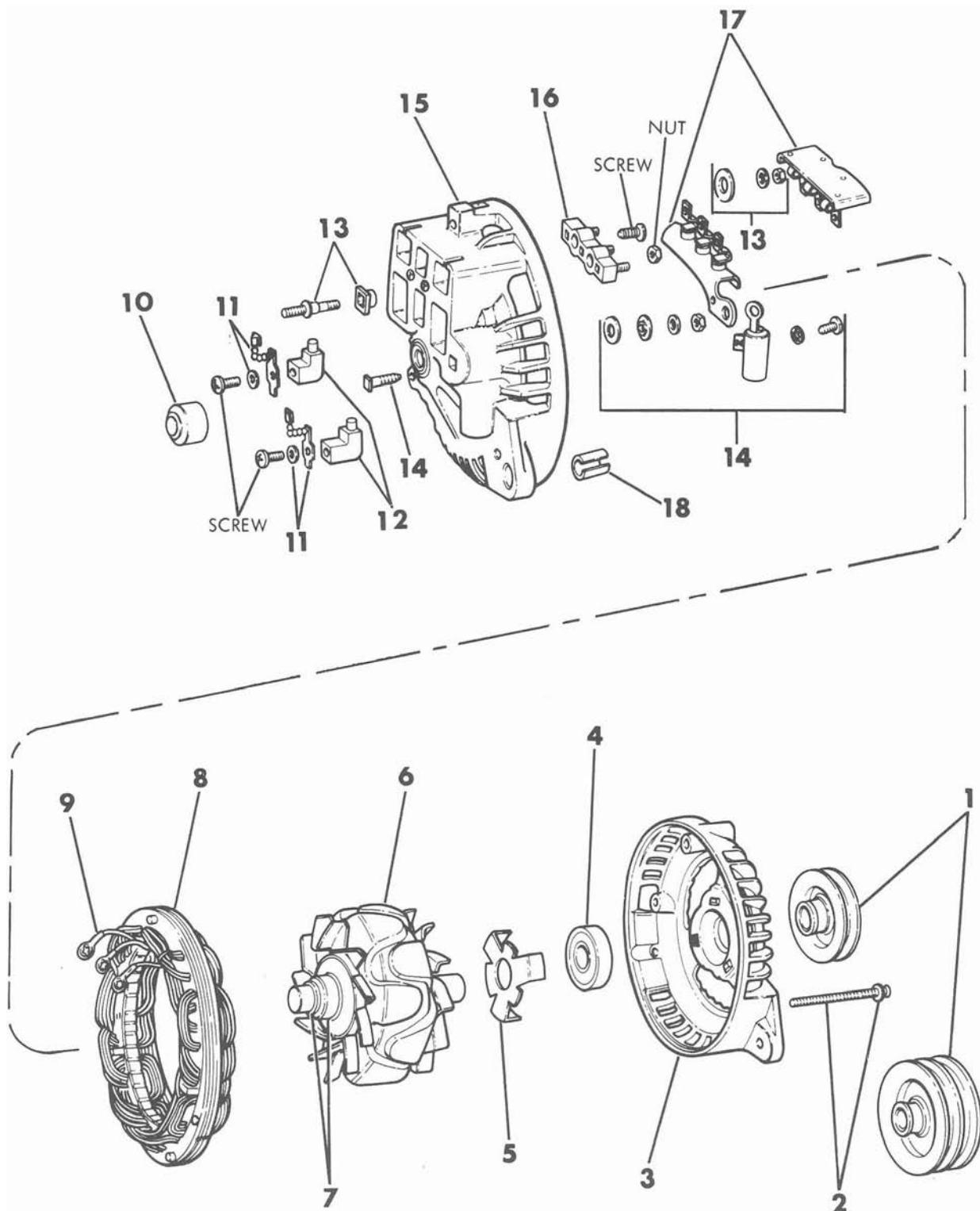
OIL PUMP AND OIL PAN LH318 ENGINE

ITEM	DESCRIPTION	QTY.	PART NUMBER
1	COVER, Oil Pump	1	4071 043
2	GASKET, Oil Pump Cover	1	2268 921
3	DRIVE SHAFT and ROTOR PACKAGE, Oil Pump	1	3837 648
4	STRAINER, Oil Pump Suction Pipe		
	w/Front Sump Oil Pan	1	2206 200
	w/Rear Sump Oil Pan	1	3462 337
5	PUMP, Oil	1	2806 270
6	BUSHING, Oil Pump and Distributor Drive Shaft	1	2863 584
7	SHAFT, Oil Pump and Distributor Drive	1	4095 260
8	PLUNGER, Oil Pressure Relief Valve	1	2843 208
9	SPRING, Oil Pressure Relief Valve	1	2402 473
10	CAP, Oil Pressure Relief Valve Plunger	1	2806 273
11	FILTER, Oil	1	3549 957
12	ADAPTER, Oil Filter to Cylinder Block	1	3671 602
13	PLATE, Oil Filter Adapter	1	2402 103
14	GASKET, Oil Filter Adapter Plate	1	3671 314
15	SCREW, Oil Pump Attaching (3/8 x 1-3/8) (Not Serviced) .	2	
16	SCREW, Oil Pump Cover	5	220 385
17	GASKET SET, Oil Pan	1	4240 153
18	PAN, Oil		
	w/Front Sump	1	3418 457
	w/Rear Sump	1	3462 334
19	SCREW, Oil Pan		
	5/16 x 1	4	6025 926
	5/16 x 1-3/16	14	6031 413
20	GASKET, Drain Plug	1	6032 145
21	PLUG, Drain	1	4271 941

NOTE: The Following Items are not Illustrated

TUBE, Oil Level Indicator		
Rear Sump	1	3496 959
Front Sump (12.15" Long)	1	4027 249
Front Sump, Dust Proof	1	1859 788
INDICATOR, Oil		
Rear Sump	1	3496 960
Front Sump (19.78" Long)	1	4027 091
Front Sump, Dust Proof	1	2846 633

ALTERNATOR (60-AMP.) LH318 ENGINE



INDUSTRIAL ENGINE PARTS CATALOG

ALTERNATOR (60-AMP.) LH318 ENGINE

ITEM	ALT. COMPLETE SERV. NO.	4176 004	4091 572
1	PULLEY, Alternator 2-3/4" D.G., 3/8" Belt	1 4111 768	
	3" D.G., 1/2" Belt Groove	1	2098 278
2	SCREW, Alternator Frame	3 3656 470	
3	SHIELD, Alternator Drive End	1 4091 534	
4	BEARING, Alternator Drive End	1 3656 444	
5	PLATE, Alternator	1 2095 012	
6	ROTOR, Alternator	1 4240 413	
7	RETAINER, Washer & Slip Ring Package, Alternator	1 3744 889	
8	STATOR, Alternator	1 4091 515	
9	TERMINAL, Alternator	3 3438 709	
10	BEARING, Alternator Rectifier End Shield .	1 3755 184	
11	BRUSH and WASHER PACKAGE, Alternator	1 4094 027	
12	HOLDER, Alternator Brush Radial	1 3438 159	
13	TERMINAL PACKAGE, Alternator Batt. (Pos. Heat Sink)	1 3620 794	
14	CAPACITOR, STUD and INSULATOR PACKAGE, Alternator	1 3620 793	
15	SHIELD, Alternator Rectifier End	1 5213 706	
16	INSULATOR, Alternator Stator Terminal Stud	1 3438 729	
17	HEAT SINK, Alternator Negative	1 3755 114	
	HEAT SINK and BATT. TERMINAL PACKAGE, Alternator Positive	1 4026 082	
18	INSERT, Alternator Rectifier End	1 2095 052	

STARTER LH318 ENGINE



INDUSTRIAL ENGINE PARTS CATALOG

STARTER LH318 ENGINE

		MHA7015	
CODE	DESCRIPTION	QTY.	3755 900 3755 990
STARTER			
1	HOUSING, Pinion or Gear.....	1	3755 261 3837 992
2	SOLENOID PACKAGE	1	3837 337 3837 989
	CONNECTOR, Switch to Motor.....	1	3837 987
	SCREW and WASHER, Solenoid to Brush Plate.....	2	6027 772
	NUT and WASHER, Solenoid to Gear Housing....	2	6023 202
3	STUD and WASHER PACKAGE, Solenoid	1	3579 193 3837 990
4	SEAL, Solenoid Contact	1	2875 558
5	SHAFT, Pinion	1	2095 118
	RING, PINION RETAINING	1	6022 006
6	ACTUATOR and Retaining RING PACKAGE, Clutch Shifting	1	2275 556
7	GEAR and SNAP RING PACKAGE, Pinion Shaft.....	1	2275 557
8	FORK and PIN PACKAGE, Shifting, use w/2444 658 Clutch.....	1	3620 733
9	COVER, Gear Housing	1	2095 116
10	CLUTCH.....	1	2444 658 3837 986
11	WASHER and Retaining RING PACKAGE, Pinion Shaft Thrust.....	1	2275 558
12	BEARING, Pinion Housing	2	3656 382 1138 526
	II, Intermediate	1	1138 526
	II, Bronze	1	1752 378
	BEARING, Gear Housing	1	3656 383
13	PIN, Shifting Fork Pivot.....	1	2095 133
14	RING, Pinion Shaft Gear Retainer Snap	1	2095 117
15	FRAME, w/FIELD	1	3656 558 3837 988
16	RING, Clutch Actuator Retainer	1	2095 130
17	WASHER, Pinion Shaft Friction	1	2095 114
18	ARMATURE	1	3837 325 3837 985
19	WASHER PACKAGE, Armature Thrust	1	3837 340 2808 937
20	HEAD, End.....	1	2095 076 2084 662
21	SCREW, Frame	2	3656 540 2809 144
22	SPRING PACKAGE, Brush.....	1	2084 666 2084 666
23	PLATE and BRUSH PACKAGE, Brush Holder	1	3838 097 2525 255
	Brush Package.....	1	2084 661
24	CONTACT and SPRING PACKAGE, Solenoid Switch...	1	2932 814

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This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook paper. There is no handwriting or other markings on the page.

