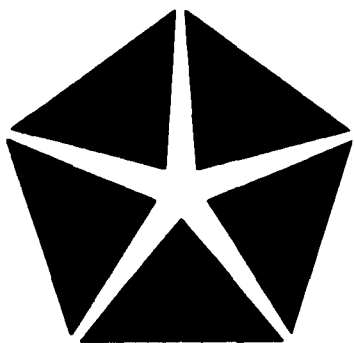
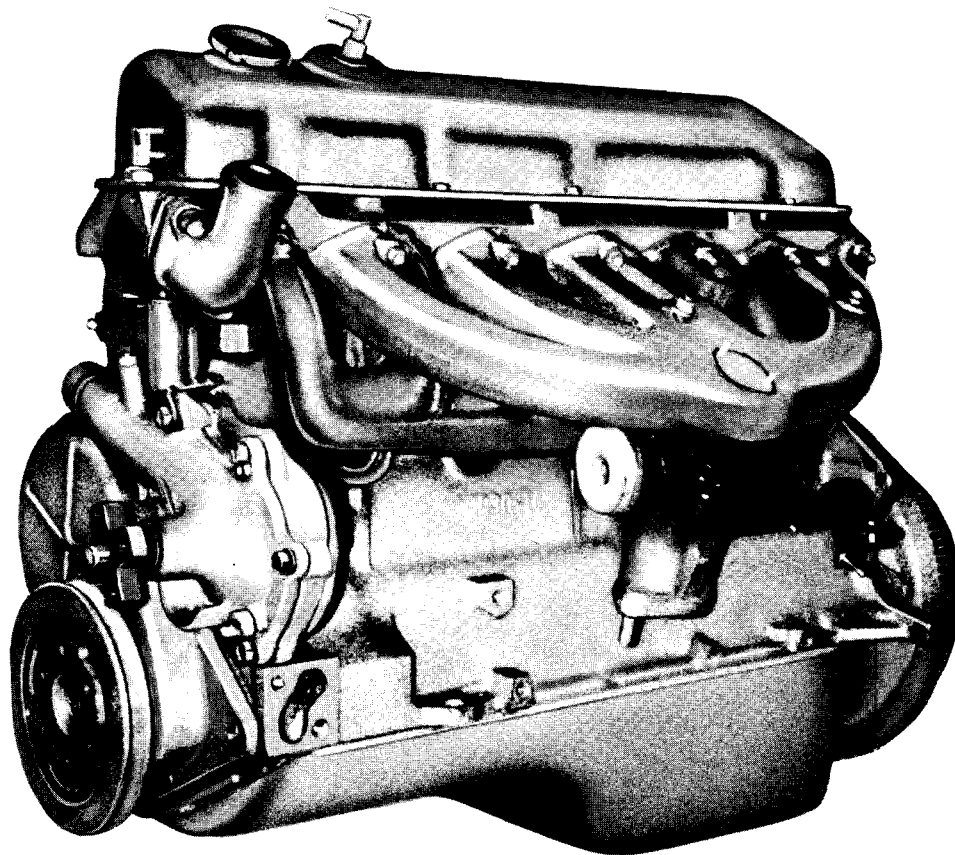




225 ENGINE PARTS CATALOG

1977



P SERIES

STARTING SERIAL NO. E303813

INDUSTRIAL PRODUCTS DIVISION



The structure and format of this publication has been revised to conform to the manner in which Chrysler supplied basic engine and miscellaneous components are delivered 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 is divided into three major sections. One section includes the serviceable parts for the Engine as Shipped; another section lists the shipped loose items to a given Industrial Engine account under authority of a Parts ("P") List; and the third section incorporates the serviceable components of Chrysler supplied major engine accessories such as Distributors, Alternators, etc..

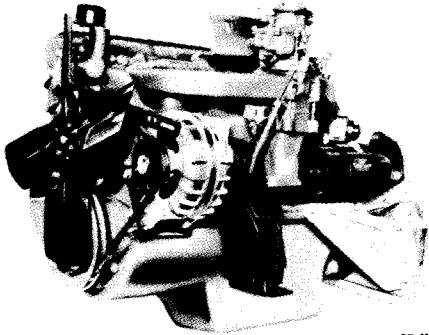
As Shipped Engine components are listed in columnar fashion, identified by the "As Shipped" part number which will be found on the identification plate located on the right front of the cylinder head.

"P" List contents (miscellaneous items shipped separately to the Industrial Engine account) are cataloged by the name of the customer. Only serviceable parts are listed.

Serviceable components of major engine accessories which are included as part of the "As Shipped Engine" or a "P List" are grouped by type of assembly. Generally all Alternators are grouped together in a short arrangement headed by an identification number, as are Transmissions, etc..

GENERAL SPECIFICATIONS

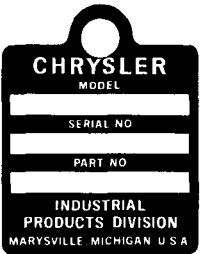
225 CUBIC INCH ENGINE



IND-58

MODEL	COMP. RATIO	BORE	STROKE	DIS-PLACE-MENT	FUEL	GROSS TORQUE FT. LBS.		GROSS HORSEPOWER		CONTIN- UOUS H. P. @ R. P. M.	RECOM- MENDED CONTIN- UOUS OPER. RANGE
						@ MAX. TORQUE	@ RATED R. P. M.	@ MAX. TORQUE	@ RATED R. P. M.		
H-225	8.4:1	3.40	4.12	225	Reg.	204 @ 2000	172 @ 4000	77 @ 2000	132 @ 4000	73 @ 3200	1400-3200
HB-225	8.4:1	3.40	4.12	225	Reg.	204 @ 2000	172 @ 4000	77 @ 2000	132 @ 4000	79 @ 3200	1400-3200

ENGINE NAME PLATE



6 CYLINDER

A metal engine name plate, containing model, type and series number (and special part number, if applicable) will be found on all Industrial Engines. On the six cylinder engine it is located on the right front side of the cylinder head.

When ordering parts ALWAYS include this information.

Customer Name	Application	"P" List Number
NORTHWESTERN MOTOR CO. Stub Engine 4071 330	Tow Tractor JG40-PT-15	P77-138
HOBART BROTHERS Stub Engine 3745 590	Motor Welder G400-412-3010	P77-141
MAC DON INDUSTRIES Stub Engine 3745 587	SELF-PROPELLED SWATHER	P77-142

INDUSTRIAL ENGINE PARTS CATALOG

GROUP NO.	PART DESCRIPTION	QTY.	PART NUMBER	GROUP NO.	PART DESCRIPTION	QTY.	PART NUMBER
P77-138	Carb.....	1	3671 182	P77-141	Clip.....	1	6023 285
	Gasket.....	1	2205 858		Knob.....	1	2908 376
	Filter.....	1	2202 782		Cable.....	1	2830 501
	Spring.....	1	3492 454		Clevis.....	1	116 533
	Brkt.....	1	3641 045		Nut Trans.....	1	120 614
	Air Cleaner.....	1	3462 094		Pin Trans.....	1	138 082
	Seal.....	1	2892 914		Bezel Assy.....	1	3634 737
	Elec. Cont. Unit.....	1	3874 020		Screw.....	4	6029 716
	Harness.....	1	3513 753		Bulb.....	1	127 934
	Ballast Resistor.....	1	3874 767		Brkt.....	1	3821 047
	Brkt.....	1	3675 578		Screw.....	1	182 776
	Coil.....	1	2495 531		Nut.....	1	6029 335
	Brkt.....	1	2125 706		C/W.....	1	6028 762
	Oil Filter.....	1	3549 957		Cont. Lever.....	1	2513 936
	Pipe Stand.....	1	3577 848		Panel.....	1	2515 800
	Gov. (Service Vendor).....	1	2406 065		Nut.....	4	6023 201
	Spacer.....	1	2406 063		Trans. Support.....	1	3632 984
	Gasket.....	1	2951 889		Tube-Tr. Oil Ind.....	1	2892 408
	Indicator.....	1	3418 422		Indicator.....	1	2466 302
	Tube.....	1	3418 423		Cover, EGR Hole.....	1	3671 447
	Pump.....	1	2932 798		Gasket, EGR Hole Cover.....	1	3671 425
	Gasket.....	1	3577 870		Bracket.....	1	2125 783
	Drain Plug-Mag.....	2	2600 089		Support.....	1	2125 651
	Speedo. Seal.....	1	6025 752		Lever, Control.....	1	2514 541
	Clamp-Speedo Plug.....	1	2892 399		Cap, Water Pump Hole.....	1	2128 425
	Trans.....	1	3745 163		Bracket, Bell Crank.....	1	2961 592
	Cover.....	1	3878 973		Pin, Bell Crank.....	1	9427 935
	Seal.....	1	1316 815		Washer, Bell Crank.....	1	120 393
	Strut.....	1	1949 701		Pin, Cotter.....	1	103 373
	Wiring Assy.....	1	2926 502		Nut, Bell Crank Bracket.....	2	152 342
	Drum.....	1	1949 579		Ball Joint, Bell Crank.....	1	441 279
	Support.....	1	1738 221		Nut, Ball Joint.....	1	120 614
	Sleeve.....	1	1488 890		Nut, w/Washer, Ball Joint.....	1	120 614
	Spacer.....	1	1488 889		Clip, Throttle Rod to Carb.....	1	6008 145
	Shield.....	1	1488 901		Air Cleaner.....	1	2959 474
	Spring.....	1	1530 775		Gasket.....	1	952 062
	Anchor.....	1	1488 884		Carburetor.....	1	2264 852
	Guide.....	2	1403 574		Gasket.....	1	2951 889
	Lever.....	1	2227 695		Adapter.....	1	1069 119
	Washer.....	1	600 983		Connector.....	1	E-7368M
	Screw.....	1	1929 685		Gasket.....	1	2205 858
	Nut.....	1	6023 027		Clamp.....	4	2448 761
	Link.....	1	1406 677		Filter.....	1	2202 782
	Sleeve.....	1	1314 476		Elbow.....	1	137 422
	Screw.....	1	1314 478		Conn.....	1	137 406
	Nut.....	1	1314 477		Air Cleaner.....	1	3462 094
	Cover.....	1	1317 858		Alt.....	1	3874 776
	Shoe.....	2	2240 637		Ins.....	1	2258 754
	Spring.....	1	1403 611		Brkt.....	1	2125 783
	Lever.....	1	2801 828		Strap.....	1	2125 752
	Pin.....	1	141 160		Bolt.....	1	433 116
	Bushing.....	1	1406 964		Nut.....	1	152 344
	Air Cleaner.....	1	4027 433		Nut.....	1	6030 820
	Gasket.....	1	1947 797		Scr/Wa.....	1	180 078
	Clamp.....	1	2402 707		Regulator.....	1	4091 050
	Nut, Wing.....	1	142 765		Harness.....	1	3438 370
	Relay.....	1	2444 517		Starter.....	1	3755 900
	Fusible Link.....	1	3489 762		Seal.....	1	2892 915
	Fan Assy.....	1	1924 763		Elec. Control.....	1	3874 020
	Spacer.....	1	1859 532		Harness.....	1	3513 753
	Pulley.....	1	2202 666		Ball. Resistor.....	1	3874 767
	Actuator.....	1	3821 623				

INDUSTRIAL ENGINE PARTS CATALOG

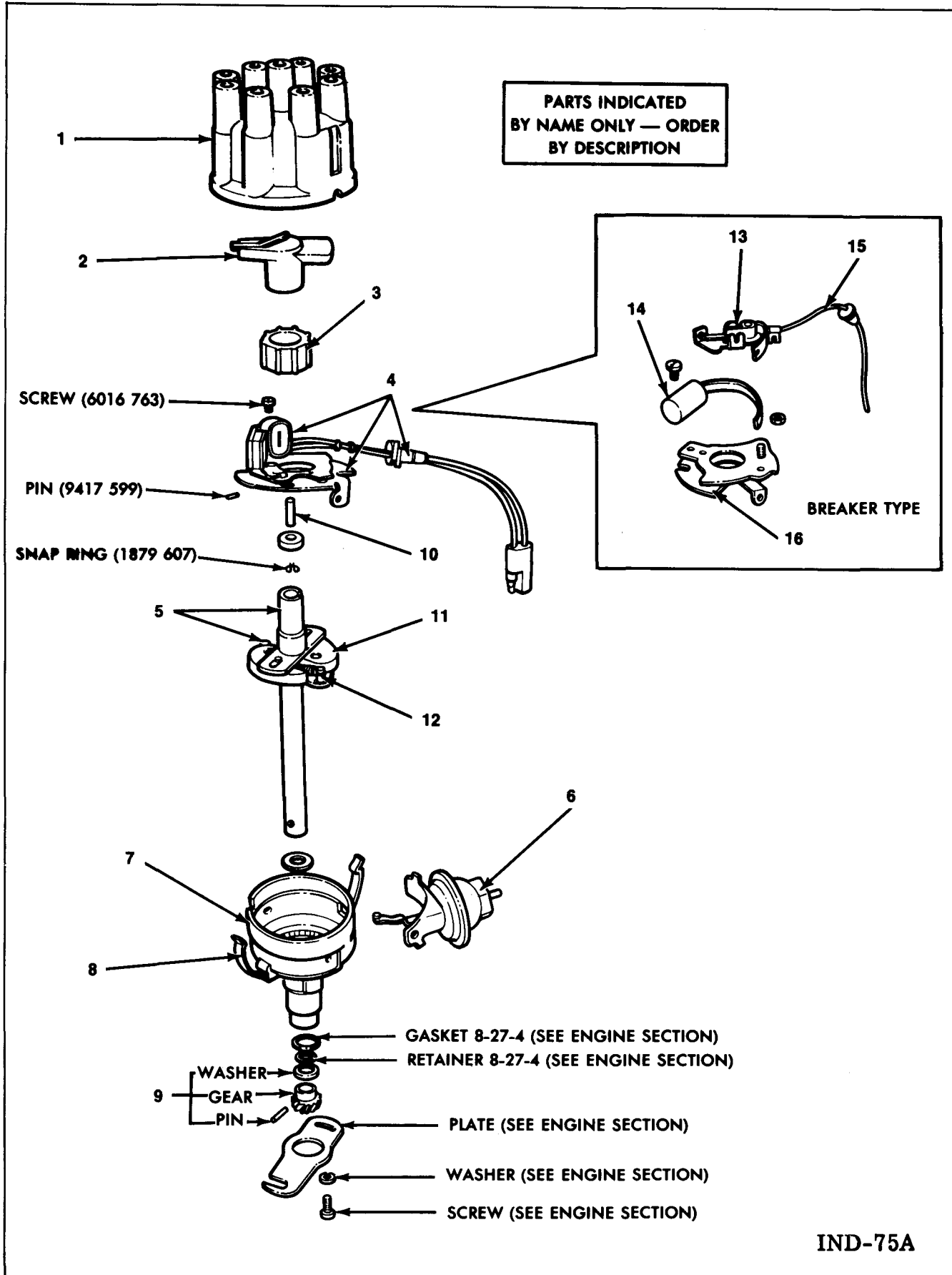
"P" Listing

Page 3

GROUP NO.	PART DESCRIPTION	QTY.	PART NUMBER	GROUP NO.	PART DESCRIPTION	QTY.	PART NUMBER
P77-141 (Cont'd.	Bracket	1	3675 578				
	Coil & Brkt.....	1	2495 531				
	Bracket	1	2863 145				
	Pulley	1	2202 666				
	Belt	1	4027 331				
	Flywheel	1	2863 402				
	Bolt	6	6030 536				
	Oil Filter	1	3549 957				
	Stand Pipe	1	3577 848				
	Drain Plug.....	1	1686 198				
	Fuel Pump	1	2932 798				
	Gasket	1	3577 870				
	Gasket	2	562 221				
	Spacer	1	1730 155				
	Fan	1	1679 439				
	Gasket	1	2465 391				
	Indicator, Oil Fuel	1	2453 722				
P77-142	Spacer, Fan	1	1851 959				
	Gasket, Carb. Elbow	1	562 221				
	Car, Rad.	1	2516 463				
	Resistor	1	2275 590				
	Starter.....	1	3755 900				
	Pulley, Fan	1	2202 666				
	Cleaner, Air	1	3462 094				
	Relay.....	1	2095 360				
	Pump, Fuel	1	2932 798				
	Gasket, Fuel Pump	1	3577 870				
	Gasket, Elbow to Carb.....	1	864599				
	Gasket, Exhaust	1	2465 391				
	Filter, Fuel.....	1	2084 467				
	Flywheel	1	2863 402				
	Screw	6	6030 536				
	Pipe, Oil Filter Stand	1	3577 848				
	Coil	1	2495 531				
	Nut	2	120 614				
	Lockwasher	2	138 497				
	Bracket, Coil.....	1	2863 145				
	Nut	2	6030 310				
	Indicator, Oil Level.....	1	2453 722				
	Washer	2	120 392				
	Nut	2	120 367				

INDUSTRIAL ENGINE PARTS CATALOG

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INDUSTRIAL ENGINE PARTS CATALOG

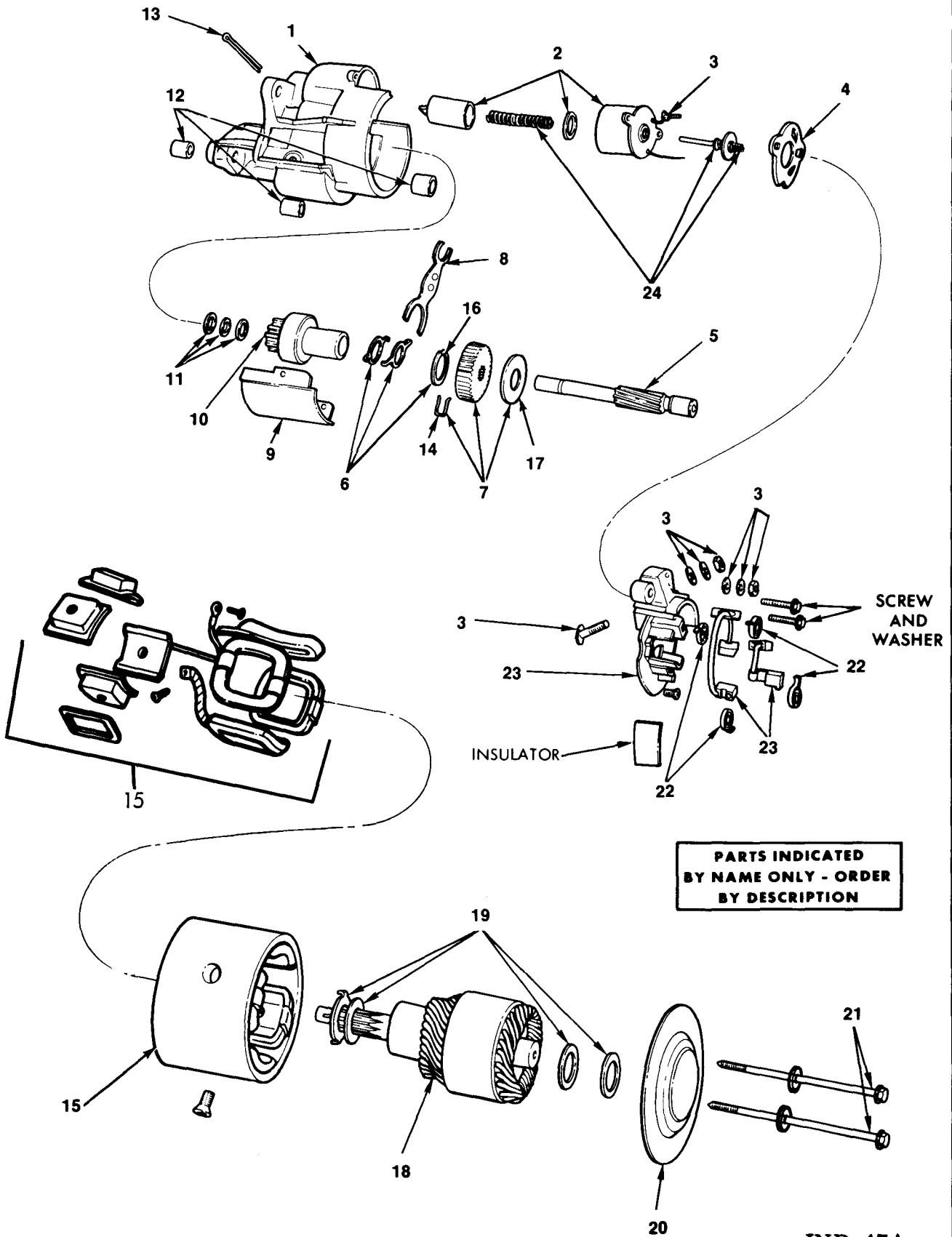
REF. NO.	DESCRIPTION	QTY.	IBR4202S 3656 270 3755 057 3874 930 2095 513			
DISTRIBUTOR						
1	CAP	1	2448 290	2642 986	2642 986	2642 986
2	ROTOR.....	1	2240 276	1838 516	1838 516	1838 516
3	RELUCTOR.....	1	-----	-----	3656 862	3656 862
4	PICK-UP and PLATE.....	1	-----	-----	3656 866	3656 866
5	SHAFT, Drive or Governor Assy.....	1	2421 122	2875 837	3755 058	3874 931
	Bushing Package, Drive Shaft	1	2240 279	-----	-----	-----
6	CONTROL, Vacuum.....	1	2421 121	2875 809	3755 061	3755 036
7	HOUSING, w/Bearings.....	1	3656 232	3656 232	3656 863	3656 863
	Oiler Base	1	953 717	-----	-----	-----
8	SPRING, Cap Attaching	2	2448 292	1838 508	1838 508	1838 508
9	GEAR and PIN PACKAGE, Drive Shaft	1	2084 653	2084 653	2084 653	2084 653
10	PIN.....	1	-----	-----	9414 521	9414 521
11	WEIGHT, Governor.....	1	1879 595	-----	-----	-----
12	SPRING, Governor	1	2421 121	-----	-----	-----
13	CONTACT SET, Breaker	1	2421 178	2098 244	-----	-----
14	CONDENSER.....	1	1818 757	3420 600	-----	-----
15	LEAD, Primary.....	1	2448 293	3656 236	-----	-----
16	PLATE, Breaker	1	2448 291	2875 861	-----	-----

NOTES

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

INDUSTRIAL ENGINE PARTS CATALOG

Page 6



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INDUSTRIAL ENGINE PARTS CATALOG

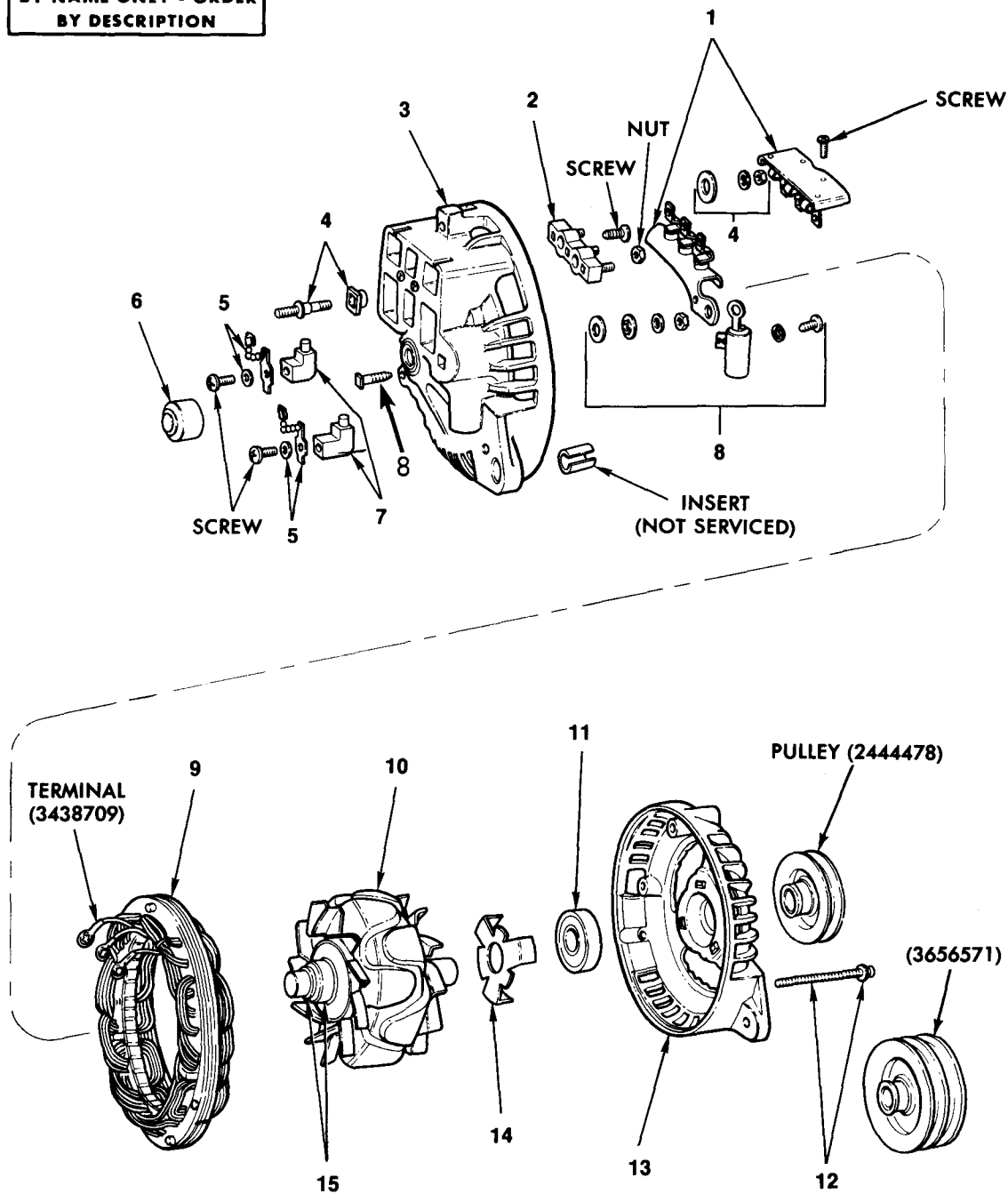
REF. NO.	DESCRIPTION	QTY.	3755 900
STARTER			
1	HOUSING, Starter Gear w/Bearing	1	3755 261
2	SOLENOID PKG.....	1	3837 337
	Connector, Switch to Motor	1	-----
3	STUD & SEAL, Pkg., Solenoid Terminal	1	3579 193
4	SEAL, SOLENOID	1	2875 558
5	SHAFT, Pinion.....	1	2095 118
6	ACTUATOR and RETAINING RING PACKAGE	1	2275 556
7	GEAR and RING PKG., Pinion Shaft	1	2275 557
8	SHIFTING FORK PACKAGE	1	3620 733
9	COVER, Gear Housing	1	2095 116
10	CLUTCH.....	1	2444 658
11	WASHER & RET. Ring Pkg., Pinion Shaft Thrust.....	1	2275 558
12	BEARING, Gear Housing.....		
	Pinion	2	3656 382
	Gear	1	3656 383
	Intermediate	1	-----
	Bronze	1	-----
13	PIN, Shifting Fork Pivot.....	1	2095 133
14	RING, Clutch Drive Sleeve Snap (Also in Ref. No. 7)....	1	2095 117
15	COIL PACKAGE, Field.....	1	3656 558
16	RETAINER RING, Clutch Actuator (Also in Ref. No. 6)...	1	2095 130
17	WASHER, Pinion Shaft Friction (Also in Ref. No. 7)	1	2095 114
18	Armature	1	3837 325
19	Thrust Washer Pkg., Armature	1	3837 340
20	HEAD, Commutator End	1	2095 076
21	BOLT, Thru.	2	3656 540
22	SPRING PACKAGE, Brush.....	1	2084 666
23	PLATE and BRUSH PACKAGE.....	1	3838 097
	Mounting Plate Pkg. Brush	1	-----
	Brush Package.....	1	-----
24	CONTACT & SPRING PKG., Solenoid Switch	1	2932 814

NOTES

INDUSTRIAL ENGINE PARTS CATALOG

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PARTS INDICATED
BY NAME ONLY - ORDER
BY DESCRIPTION



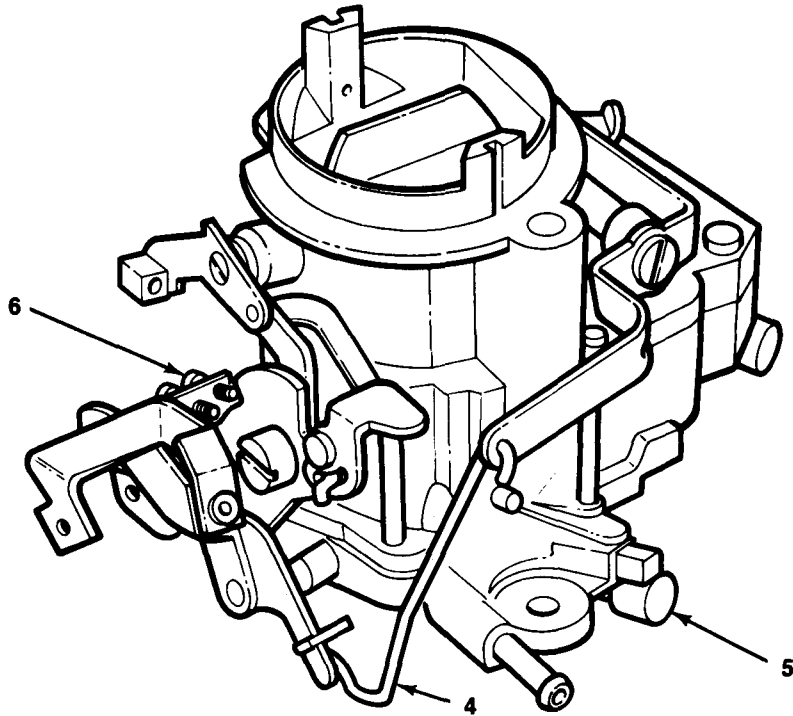
IND-54A

INDUSTRIAL ENGINE PARTS CATALOG

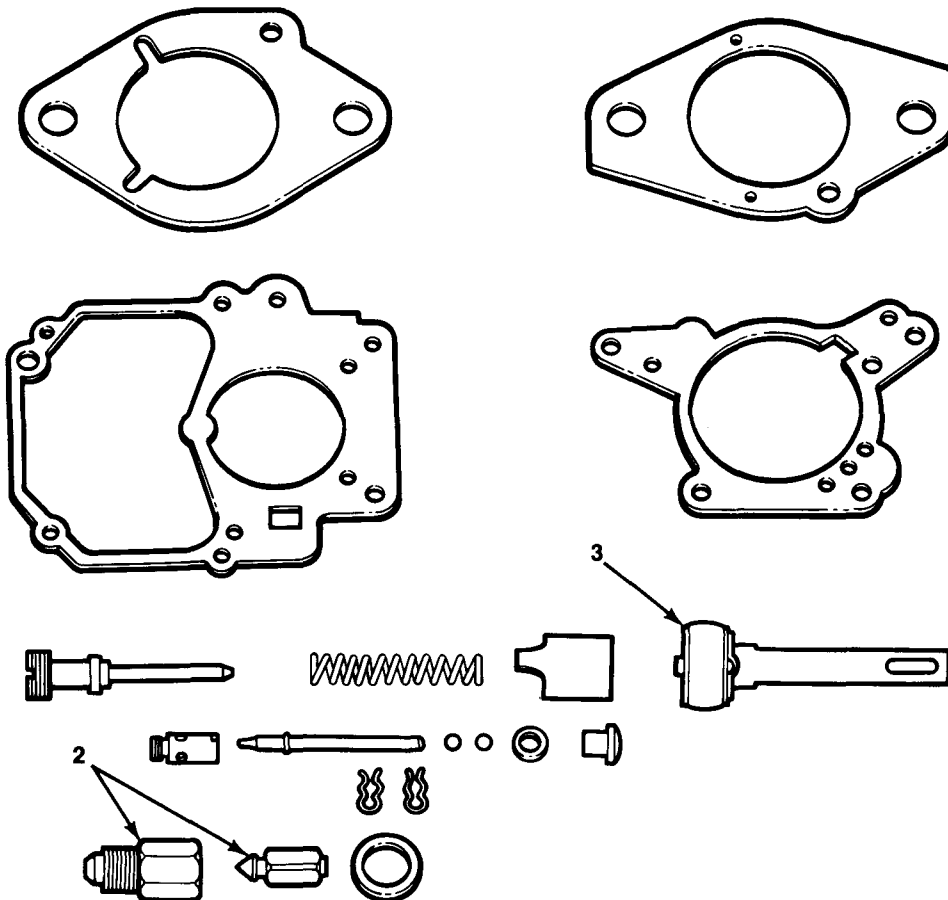
REF. NO.	DESCRIPTION	QTY.	3874 776
ALTERNATOR			
1	SINK, Heat		
	Positive	1	3438 727
	Negative	1	3438 721
2	INSULATOR, Stator Terminal Stud	1	3438 729
3	SHIELD, Rectifier End	1	3755 362
4	TERMINAL, Stator	3	3438 709
	Terminal Package, Positive Heat Sink Battery	1	3620 794
5	BRUSH PACKAGE	1	3420 893
6	BEARING, Rectifier End Shield	1	3755 184
7	HOLDER, Brush		
	Axial	1	2095 038
	Radial	1	3438 159
8	STUD and INSULATOR Package, Capacitor	1	3620 793
9	STATOR	1	3438 754
10	ROTOR	1	3755 356
11	BEARING, Drive End Shield	1	3656 444
12	SCREW, Frame	1	3656 470
13	SHIELD, Drive End	1	3656 443
14	PLATE, Drive End Shield Retainer	1	2095 012
15	RING and Grease RETAINER Package Slip	1	3744 889

NOTES

[illegible]



TYPICAL CARTER CARBURETOR



TYPICAL CARTER CARBURETOR REPAIR KIT

IND-81

INDUSTRIAL ENGINE PARTS CATALOG

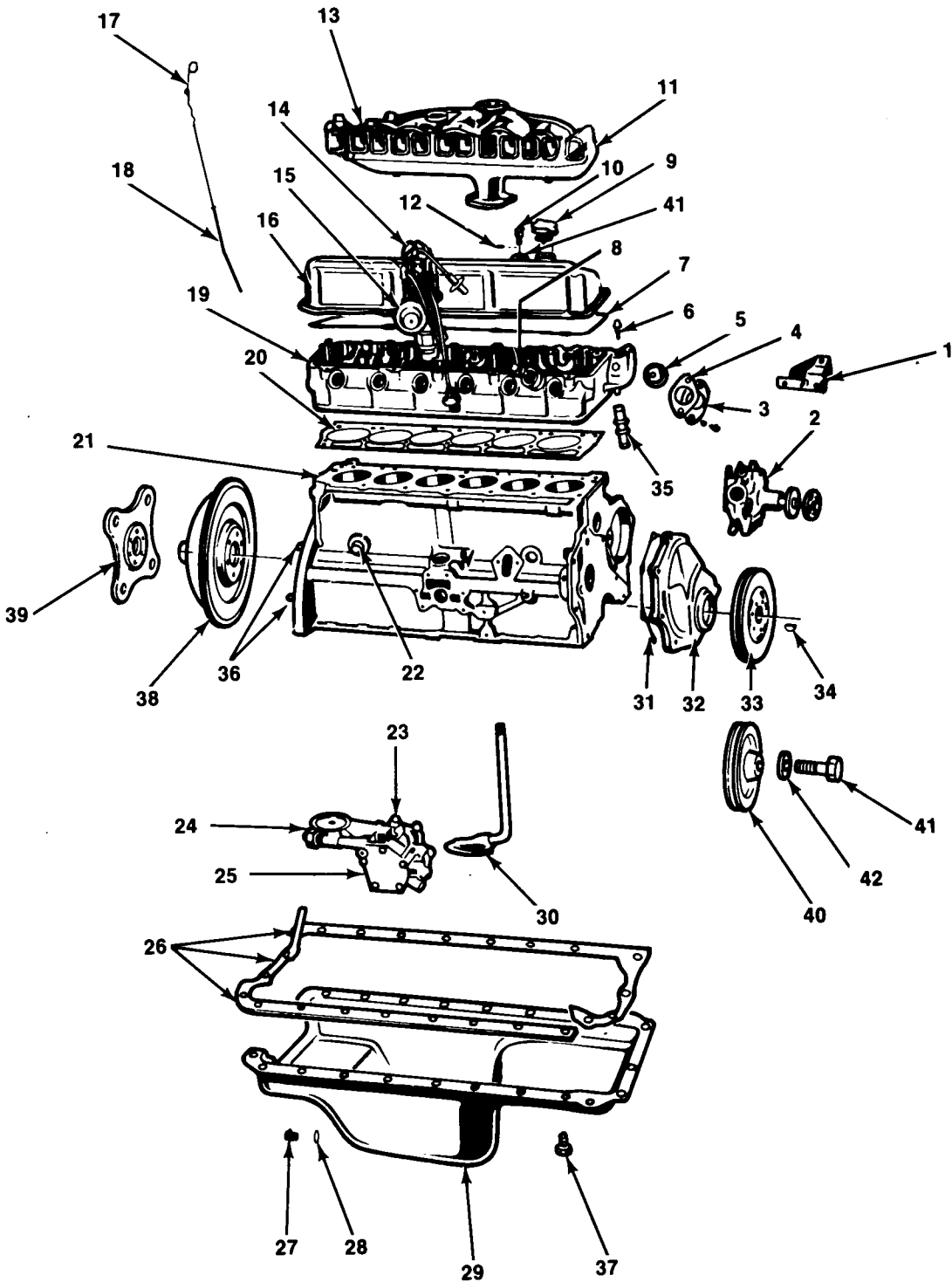
Page 11

REF. NO.	DESCRIPTION	QTY.	BBS3278S	BBS6220S
			2495 974	3671 182
CARBURETOR				
1	REPAIR PACKAGE	1	2299 030	3683 903
	Zip Kit	1	2495 986	3621 401
	GASKET PACKAGE	1	2240 470	3514 475
2	NEEDLE AND SEAT	1	2240 401	2809 395
	JET, Main Metering Std.	1	1610 882	3549 539
3	PLUNGER, Pump	1	2196 214	2196 214
4	ROD, Step Up	1	1610 806	3549 535
5	CAP, Idle Screw Limiter	1	———	3685 661
6	SCREW, Fast Idle Speed	1	———	3481 210

NOTES

[illegible]

INDUSTRIAL ENGINE PARTS CATALOG



INDUSTRIAL ENGINE PARTS CATALOG

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			REPLACEMENT ENGINE NUMBERS			
REF. NO.	DESCRIPTION	QTY.	H-225 3745 590	H-225 3745 588 3745 589	H-225 3745 586 3745 587	H-225 4071 330
ENGINE						
1	BRACKET, Alternator & Coil Mounting	1	_____	_____	_____	
2	PUMP, Water.	1	2808 679	2808 679	2808 679	2808 679
	SCREW and WASHER, Water Pump Body	4	180 124	180 124	180 124	180 124
	GASKET, Pump Intermediate Plate	1	1947 523	1947 523	1947 523	1947 523
	NIPPLE, Water Pump By-Pass	1	1947 643	1947 643	1947 643	1947 643
	CAP, Water Pump Heater Hole	1	2128 425	2128 425	2128 425	2128 425
	CLAMP, Water Pump Heater Hole Cup	1	111 606	111 606	111 606	111 606
3	ELBOW, Cylinder Water Outlet	1	2121 524	2121 524	2121 524	2121 524
	RETAINER, Cylinder Water Outlet Elbow and Fan Bearing	1	_____	3675 847	_____	_____
4	GASKET, Cylinder Water Outlet	1	1947 671	1947 671	1947 671	1947 671
5	Thermostat, 195°	1	3780 112	3780 112	3780 112	3780 112
6	SENDING UNIT, Temperature Gauge	1	4051 140	4051 140	4051 140	4051 140
	SWITCH, Low Oil Pressure	1	3004 105	3004 105	3004 105	3004 105
7	GASKET, Cylinder Head Cover	1	2899 250	2899 250	2899 250	2899 250
8	PLUG, Spark	6	3874 312	3874 312	3874 312	3874 934
9	CAP, Cylinder Head Cover Oil Filler	1	2946 051	2946 051	2946 051	2946 051
10	VALVE, Crankcase Vent	1	3671 076	3671 076	3671 076	3671 076
11	MANIFOLD, Intake	1	4049 221	4049 221	4049 221	4049 221
12	GROMMET, Crankcase Vent Valve	1	3751 510	3751 510	3751 510	3751 510
13	MANIFOLD, Exhaust	1	3744 827	3744 827	3744 827	3744 827
	WASHER, Intake Manifold	1	2121 223	2121 223	2121 223	2121 223
	Exhaust Manifold Upper Ends	2	3751 637	3751 637	3751 637	3751 637
	Intake and Exhaust Manifold	10	3751 636	3751 636	3751 636	3751 636
	COVER, EGR Valve Flange	1	3671 447	3671 447	3671 447	3671 447
	GASKET, EGR Valve Flange Cover	1	3671 425	3671 425	3671 425	3671 425
	STUD, Intake and Exhaust Manifold	13	6030 209	6030 209	6030 209	6030 209
	NUT, Intake and Exhaust Manifold	2	6030 210	6030 210	6030 210	6030 210
	NUT, Intake and Exhaust Manifold	11	120 368	120 368	120 368	120 368
	GASKET, Intake and Exhaust Manifold	1	3744 831	3744 831	3744 831	3744 831
	BRACKET, ENGINE BELL CRANK w/4027 638 Assy.	1	_____	_____	_____	4027 360
14	CABLE, Spark Plug, No. 1, 2, 5, 6	4	3874 124	3874 124	3874 124	3874 124
	No. 3, 4	2	3874 099	3874 099	3874 099	3874 099
	CABLE, Coil Secondary	1	3656 514	3656 514	3656 514	3656 514
15	DISTRIBUTOR	1	3755 057	3656 270	2098 513	3874 930
	SCREW, and WASHER, Plate to Block	1	180 020	180 020	180 020	180 020
	GASKET, Distributor Mounting	1	2095 630	2095 630	2095 630	2095 630
16	COVER, Cylinder Head	1	4041 432	4041 432	4041 432	4041 432
17	INDICATOR, Oil Level	1	_____	_____	_____	_____
18	TUBE, Oil Level Indicator	1	1859 788	1859 788	1859 788	_____
19	HEAD, Cylinder	1	3698 448	3698 448	3698 448	3698 448
	COVER, Cylinder Head Air Injection	1	3751 249	_____	_____	_____
	GASKET, Cylinder Head Air Injection	1	3671 142	_____	_____	_____
20	GASKET, Cylinder Head	1	2843 182	2843 182	2843 182	2843 182
	SCREW, Cylinder Head	14	1947 687	1947 687	1947 687	1947 687
21	BLOCK, w/Pistons and Rings, Cylinder	1	4071 652	4071 652	4071 652	
	GASKET SET, Upper	1	3683 827	3683 827	3683 827	3683 827
	Lower	1	3837 643	3837 643	3837 643	3837 643

INDUSTRIAL ENGINE PARTS CATALOG

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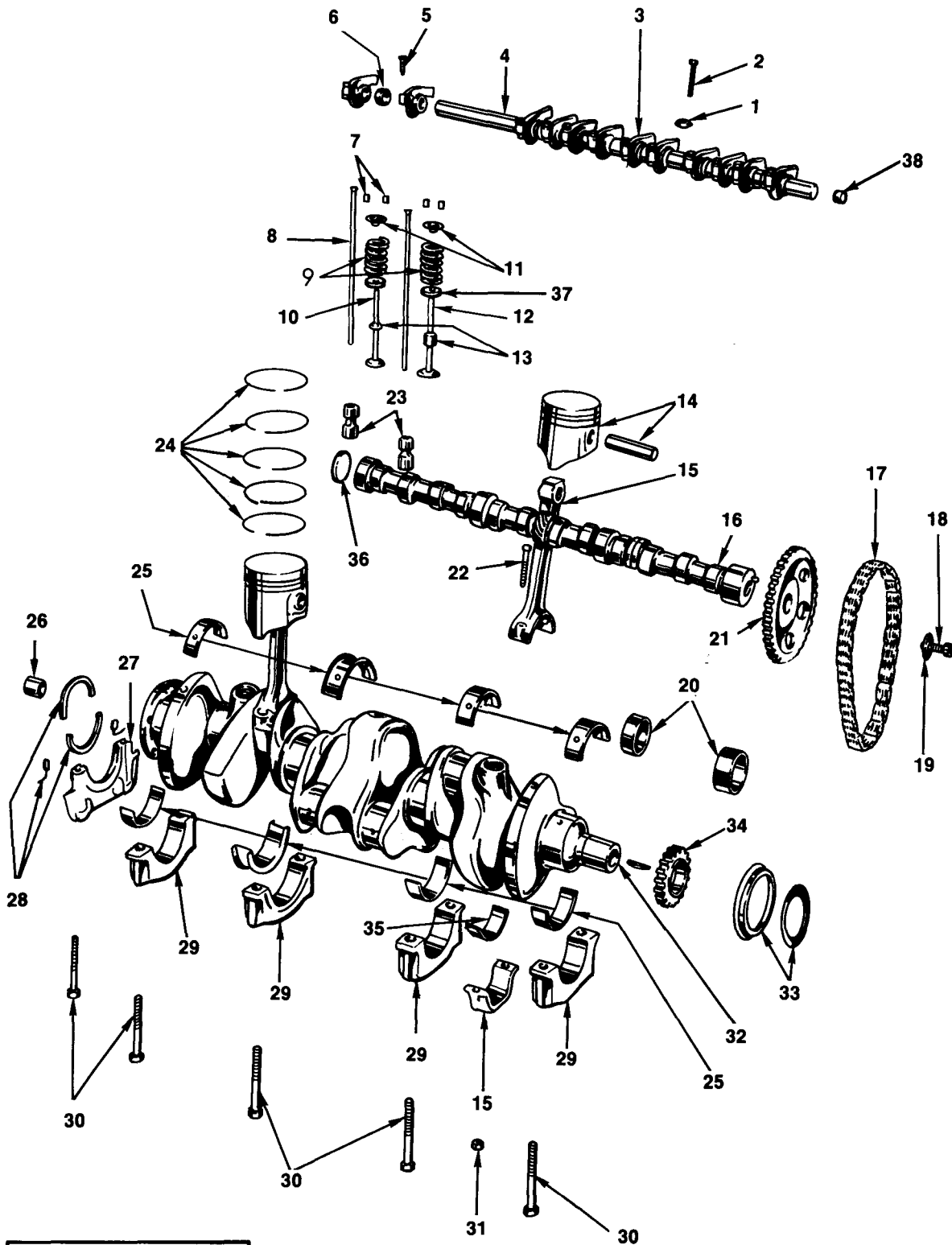
			REPLACEMENT ENGINE NUMBERS			
REF. NO.	DESCRIPTION	QTY.	H-225 3745 590	H-225 3745 588 3745 589	H-225 3745 586 3745 587	H-225 4071 330
ENGINE (Cont'd.)						
	COVER, Fuel Pump Pad (w/3745 588 assy.)	1	—	2600 024	2600 024	—
	GASKET, Fuel Pump Pad Cover (w/3745 588 assy.)	1	—	2600 023	2600 023	—
22	PLUG, Cylinder Head Hole	1	1859 127	1859 127	1859 127	1859 127
23	GASKET, Oil Pump Body	1	2121 404	2121 404	2121 404	2121 404
24	CAP, Oil Pressure Relief Valve	1	618 621	618 621	618 621	618 621
	SPRING, Oil Pressure Relief Valve	1	1737 742	1737 742	1737 742	1737 742
	GASKET, Oil Pressure Relief Valve	1	618 622	618 622	618 622	618 622
25	PUMP, Oil	1	2808 507	2808 507	2808 507	2808 507
	GASKET, Oil Pump Cover	1	2268 921	2268 921	2268 921	2268 921
	SHAFT, Oil Pump Drive	1	2084 415	2084 415	2084 415	2084 415
	GEAR, Oil Pump Drive Shaft	1	1947 225	1947 225	1947 225	1947 225
	PLUNGER, Oil Pressure Relief, Valve	1	2120 764	2120 764	2120 764	2120 764
26	GASKET, Set, Oil Pan	1	2240 647	2240 647	2240 647	2240 647
27	PLUG, Oil Pan Drain	1	2125 890	2125 890	2125 890	2125 890
28	GASKET, Oil Pan Drain Plug	1	3769 935	3769 935	3769 935	3769 935
29	PAN, Oil	1	3458 505	4006 368	3458 505	4006 368
30	PIPE, w/STRAINER, Oil Pump Suction	1	2128 657	2780 999	2128 657	2780 999
31	GASKET, Chain Case Cover	1	1947 554	1947 554	1947 554	1947 554
32	COVER, Chain Case and Timing Indicator	1	4041 292	4041 292	4041 292	4041 292
	Indicator, Timing w/3745 589 Assy.	1	—	3527 335	—	—
33	DAMPER, Vibration	1	4071 061	—	—	2806 211
	w/3745 586	1	—	—	4071 061	—
	w/3745 587	1	—	—	4071 060	—
34	KEY, Crankshaft	1	6029 411	6029 411	6029 411	6029 411
35	HOSE, Water Pump By-Pass	1	1315 466	1315 466	1315 466	1315 466
	Clamp, Water Pump By-Pass Hose	AR	111 606	111 606	111 606	111 606
36	DOWEL, Cylinder Block to					
	Cylinder Head	2	141 195	141 195	141 195	141 195
	Clutch Housing	2	1122 532	1122 532	1122 532	1122 532
	.007 Offset	2	1736 347	1736 347	1736 347	1736 347
	.014 Offset	2	1736 348	1736 348	1736 348	1736 348
	.021 Offset	2	1736 353	1736 353	1736 353	1736 353
	PLUG, Cylinder Block Core Hole	5	2406 356	2406 356	2406 356	2406 356
	PLUG, Cylinder Block Oil Line					
	Front	1	444 697	444 697	444 697	444 697
	Rear	1	6028 668	6028 668	6028 668	6028 668
37	SCREW, w/Washer, Oil Pan Attaching	18	6022 271	6022 271	6022 271	6022 271
38	CONVERTER, Torque	1	—	—	—	4058 465
39	PLATE, Torque Converter Drive	1	—	—	—	4058 428
	SCREW, Torque Converter Drive Plate	6	—	—	—	1949 424
	SCREW, Torque Converter Drive Plate	4	—	—	—	1949 765
40	PULLEY, Fan Drive w/3745 589	1	—	3745 025	—	—
41	SCREW, Crankshaft	1	6025 547	6025 547	6025 547	6025 547
41	GROMMET, Crankcase Vent Inlet Air Cleaner	1	2946 079	2946 079	2946 079	2946 079
42	WASHER, Crankshaft	1	1855 561	1855 561	1855 561	1855 561

NOTES

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INDUSTRIAL ENGINE PARTS CATALOG

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**PARTS INDICATED
BY NAME ONLY - ORDER
BY DESCRIPTION**

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			REPLACEMENT ENGINE NUMBERS			
REF. NO.	DESCRIPTION	QTY.	H-225	H-225	H-225	H-225
			3745 590	3745 589	3745 586	3745 587
ENGINE						
1	RETAINER, Valve Rocker Shaft					
	End and Intermediate	6	1947 616	1947 616	1947 616	1947 616
	Center	1	1947 617	1947 617	1947 617	1947 617
2	SCREW, Rocker Shaft Retaining, Except Rear	6	179 846	179 846	179 846	179 846
	Rear	1	3870 322	3870 322	3870 322	3870 322
3	ROCKER, Valve	12	1947 594	1947 594	1947 594	1947 594
4	SHAFT, Valve Rocker.	1	1947 614	1947 614	1947 614	1947 614
5	SCREW, Valve Rocker Adjusting.	12	1855 238	1855 238	1855 238	1855 238
6	SPACER, Valve Rocker	6	2120 694	2120 694	2120 694	2120 694
7	LOCK, Valve Spring Retainer					
	Intake	12	381 875	381 875	381 875	381 875
	Exhaust	12	1614 666	1614 666	381 875	1614 666
8	ROD, Valve, Push	12	2120 514	2120 514	2120 514	2120 514
9	SPRING Valve					
	Intake	6	1739 534	1739 534	1739 534	1739 534
	Exhaust	6	1739 534	1739 534	2899 525	1739 534
10	VALVE, Intake					
	STD.	6	1947 623	1947 623	1947 623	1947 623
	.005 O/S	6	2121 578	2121 578	2121 578	2121 578
	.015 O/S	6	2121 579	2121 579	2121 579	2121 579
	.030 O/S	6	2121 580	2121 580	2121 580	2121 580
11	RETAINER, Valve Spring					
	Intake	12	2402 045	2402 045	2402 045	2402 045
	Exhaust	12	2402 045	2402 045	1551 002	2402 045
12	VALVE, Exhaust					
	STD.	6	2407 817	2407 817	2202 961	3698 580
	.005 O/S	6	2407 818	2407 818	2202 962	3698 591
	.015 O/S	6	2407 819	2407 819	2202 963	3698 592
	.030 O/S	6	2407 820	2407 820	2202 964	3698 593
13	SHIELD, Valve Stem Oil					
	Intake	6	2205 956	2205 956	2205 956	2205 958
	Exhaust	6	4071 006	4071 006	4071 006	2205 959
14	PISTON w/PIN					
	STD.	6	2084 384	2084 384	2084 384	2084 384
	.005 O/S	6	2084 385	2084 385	2084 385	2084 385
	.020 O/S	6	2084 386	2084 386	2084 386	2084 386
	.040 O/S	6	2084 387	2084 387	2084 387	2084 387
15	ROD, Connecting	6	4041 994	4041 994	4041 994	4041 994
16	CAMSHAFT	1	3512 639	3512 639	3512 639	3512 693
17	CHAIN, Timing	1	3514 866	3514 866	3514 866	3514 866
18	SCREW, Camshaft Sprocket Retaining	1	181 140	181 140	181 140	181 140
19	WASHER, Camshaft Sprocket Retaining	1	6023 053	6023 053	6023 053	6023 053
20	BEARING, Camshaft					
	No. 1	STD.	1	3830 601	3830 601	3830 601
		.010 O/S	1	3830 602	3830 602	3830 602
	No. 2	STD.	1	1821 772	1821 772	1821 772
		.010 O/S	1	2205 512	2205 512	2205 512

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REF. NO.	DESCRIPTION	QTY.	REPLACEMENT ENGINE NUMBERS			
			H-225	H-225	H-225	H-225
			3745 590	3745 589	3745 587	4071 330

ENGINE (Cont'd.)

	No. 3	STD.	1	2121 726	2121 726	2121 726	2121 726
		.010 O/S	1	2205 514	2205 514	2205 514	2205 514
	No. 4	STD.	1	2121 727	2121 727	2121 727	2121 727
		.010 O/S	1	2205 516	2205 516	2205 516	2205 516
21	SPROCKET, Camshaft		1	2806 945	2806 945	2806 945	2806 945
22	BOLT, Connecting Rod Bearing Cap		12	3830 614	3830 614	3830 614	3830 614
23	TAPPET, Valve						
		STD.	12	2469 501	2469 501	2469 501	2469 501
		.001 O/S	12	2469 502	2469 502	2469 502	2469 502
		.008 O/S	12	2469 503	2469 503	2469 503	2469 503
		.030 O/S	12	2469 504	2469 504	2469 504	2469 504
24	RING SET, Piston (For One Piston)						
		STD. to .009 O/S..	6	3780 001	3780 001	3780 001	3780 001
		.020 to .029 O/S..	6	3780 002	3780 002	3780 002	3780 002
		.040 to .049 O/S..	6	3780 003	3780 003	3780 003	3780 003
25	BEARING PACKAGE, Crankshaft						
	No. 1	STD.	1	4049 242	4049 242	4049 242	4049 242
		.001 U/S	1	4049 243	4049 243	4049 243	4049 243
		.002 U/S	1	4049 244	4049 244	4049 244	4049 244
		.003 U/S	1	4049 245	4049 245	4049 245	4049 245
		.010 U/S	1	4049 246	4049 246	4049 246	4049 246
		.012 U/S	1	4049 248	4049 248	4049 248	4049 248
	No. 2, 4	STD.	2	4049 242	4049 242	4049 242	4049 242
		.001 U/S	2	4049 243	4049 243	4049 243	4049 243
		.002 U/S	2	4049 244	4049 244	4049 244	4049 244
		.003 U/S	2	4049 245	4049 245	4049 245	4049 245
		.010 U/S	2	4049 246	4049 246	4049 246	4049 246
		.012 U/S	2	4049 248	4049 248	4049 248	4049 248
	No. 3	STD.	1	4049 249	4049 249	4049 249	4049 249
		.001 U/S	1	4049 250	4049 250	4049 250	4049 250
		.002 U/S	1	4049 251	4049 251	4049 251	4049 251
		.003 U/S	1	4049 252	4049 252	4049 252	4049 252
		.010 U/S	1	4049 253	4049 253	4049 253	4049 253
		.012 U/S	1	4049 255	4049 255	4049 255	4049 255
26	BUSHING, Crankshaft		1	53 298	53 298	53 298	53 298
27	RETAINER, Crankshaft Bearing Seal		1	1947 557	1947 557	1947 557	1947 557
28	SEAL, Crankshaft Bearing, Seal Retainer		2	4049 266	4049 266	4049 266	4049 266
29	CAP, Crankshaft Bearing						
	No. 1		1	4027 425	4027 425	4027 425	4027 425
	No. 2		1	4027 426	4027 426	4027 426	4027 426
	No. 3		1	4027 427	4027 427	4027 427	4027 427
	No. 4		1	4027 428	4027 428	4027 428	4027 428
30	SCREW, Crankshaft Bearing Cap		8	1618 695	1618 695	1618 695	1618 695
31	NUT, Connecting Rod Bearing Cap Bolt		12	1737 695	1737 695	1737 695	1737 695
32	CRANKSHAFT		1	3745 561	3745 561	3745 561	3751 036
33	SEAL, Chain Case Cover		1	3830 108	3830 108	3830 108	3830 108
34	SPROCKET, Crankshaft		1	2128 912	2128 912	2128 912	2128 912

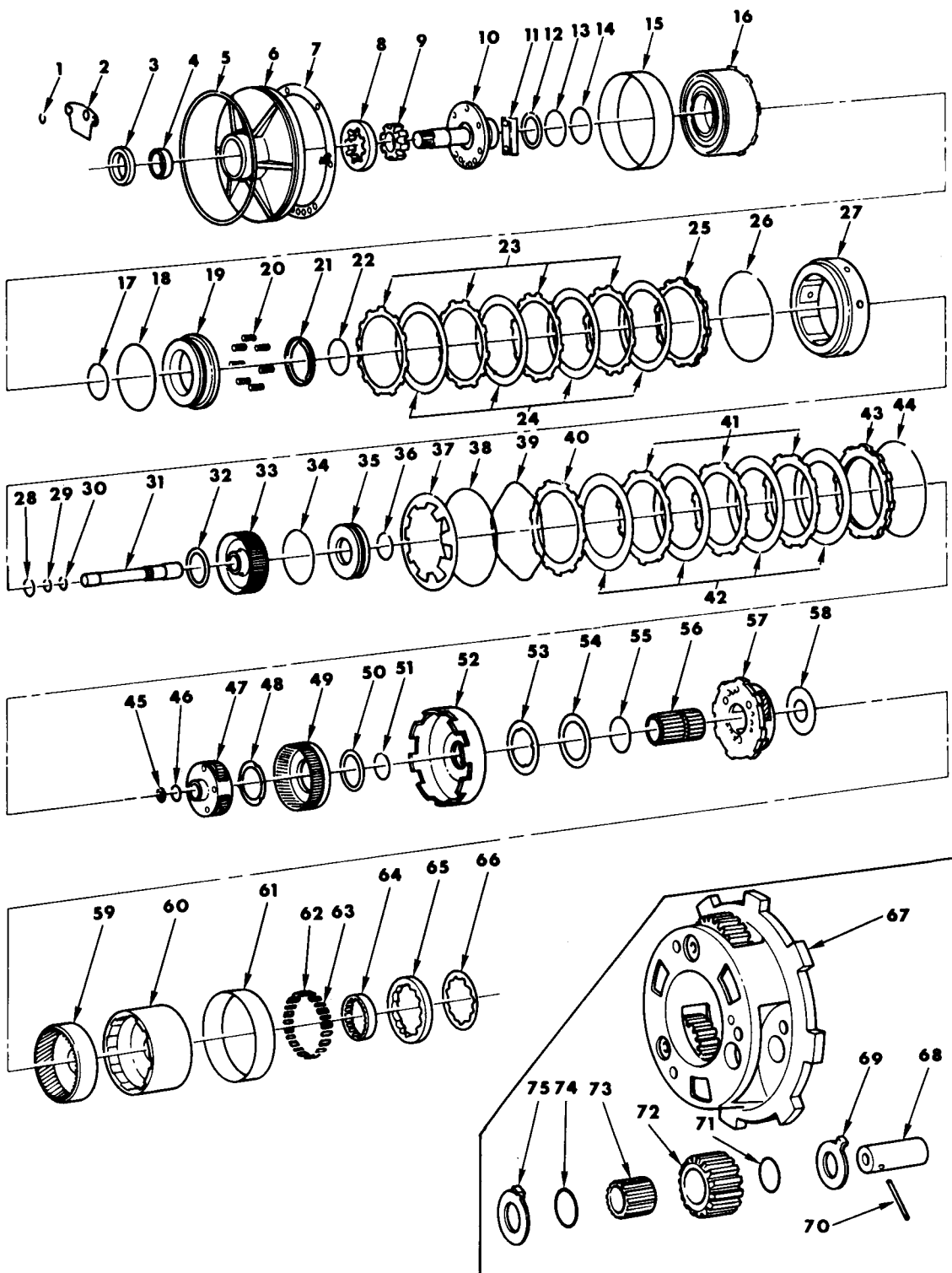
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			REPLACEMENT ENGINE NUMBERS			
REF. NO.	DESCRIPTION	QTY.	H-225 3745 590	H-225 3745 588 3745 589	H-225 3745 586 3745 587	H-225 4071 330
ENGINE (Cont'd.)						
35	BEARING PACKAGE, Connecting Rod					
	STD.	6	4049 256	4049 256	4049 256	4049 256
	.001 U/S	6	4049 257	4049 257	4049 257	4049 257
	.002 U/S	6	4049 258	4049 258	4049 258	4049 258
	.003 U/S	6	4049 259	4049 259	4049 259	4049 259
	.010 U/S	6	4049 260	4049 260	4049 260	4049 260
	.012 U/S	6	4049 261	4049 261	4049 261	4049 261
36	PLUG, Cylinder Block Camshaft					
	Rear Bearing	1	2402 905	2402 905	2402 905	2402 905
	.055 O/S	1	2463 041	2463 041	2463 041	
37	SPACER, Valve Spring	AR	1859 144	1859 144	1859 144	1859 144
38	PLUG, Valve Rocker Shaft.	2	1324 268	1324 268	1324 268	1324 268

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		A727	
REF. NO.	DESCRIPTION	QTY.	3745 163
TRANSMISSION			
1	PLUG, Transmission Vent Shield	1	2892 553
2	SHIELD, Housing Vent	1	2204 993
	SHIELD ASSEMBLY, Transmission Vent.	1	2892 679
3	SEAL, Torque Converter Impeller Hub	1	3515 137
4	BUSHING, Housing	1	2466 234
5	SEAL, Housing	1	1942 021
6	HOUSING	1	3743 229
	SCREW and Washer Housing	7	6023 943
7	GASKET, Housing	1	4028 377
8-9	ROTOR PACKAGE	1	3780 239
10	SHAFT w/SUPPORT, Reaction	1	3878 343
11	BAFFLE, Vent	1	3420 087
12	WASHER, Front Clutch Thrust		
	Front060 Thk.	AR	2204 622
	085 Thk.	AR	2204 623
	102 Thk.	AR	2400 284
13-14	RING, Reaction Shaft Support Seal	2	3743 689
	Bushing, Reaction Shaft	1	2801 348
15	BAND, Kickdown	1	3621 491
16	RETAINER, Front Clutch	1	3515 314
17	SEAL, Front Clutch. Inner	1	3410 226
18	SEAL, Front Clutch. Outer	1	3743 237
19	PISTON, Front Clutch	1	2464 651
20	SPRING, Front Clutch Piston	AR	2801 243
21	RETAINER, Front Clutch Piston Spring	1	2801 949
22	RING, Snap Front Clutch Inner	1	2124 824
23	PLATE, Front Clutch	AR	2124 826
24	DISC, Front Clutch	AR	2801 167
25	PLATE, Pressure, Front Clutch	1	2801 961
26	RING, Snap, Front Clutch Outer	1	3410 570
27	RETAINER, Rear Clutch	1	3743 622
28	RING, Snap		
	Rear Clutch Piston Retainer	1	2124 872
	Rear Clutch Retainer	1	2466 811
29-30	RING, Input Shaft Seal	2	2801 054
31	SHAFT, Input.	1	3743 188
	BUSHING, Input Shaft	1	3681 709
32	WASHER, Rear Clutch Thrust060 Thk.	AR	2204 622
33	RETAINER, Rear Clutch Piston	1	3780 224
	BUSHING, Front Clutch Retainer	1	3515 315
34	SEAL, Rear Clutch Outer	1	2124 835
35	PISTON, Rear Clutch	1	3743 624

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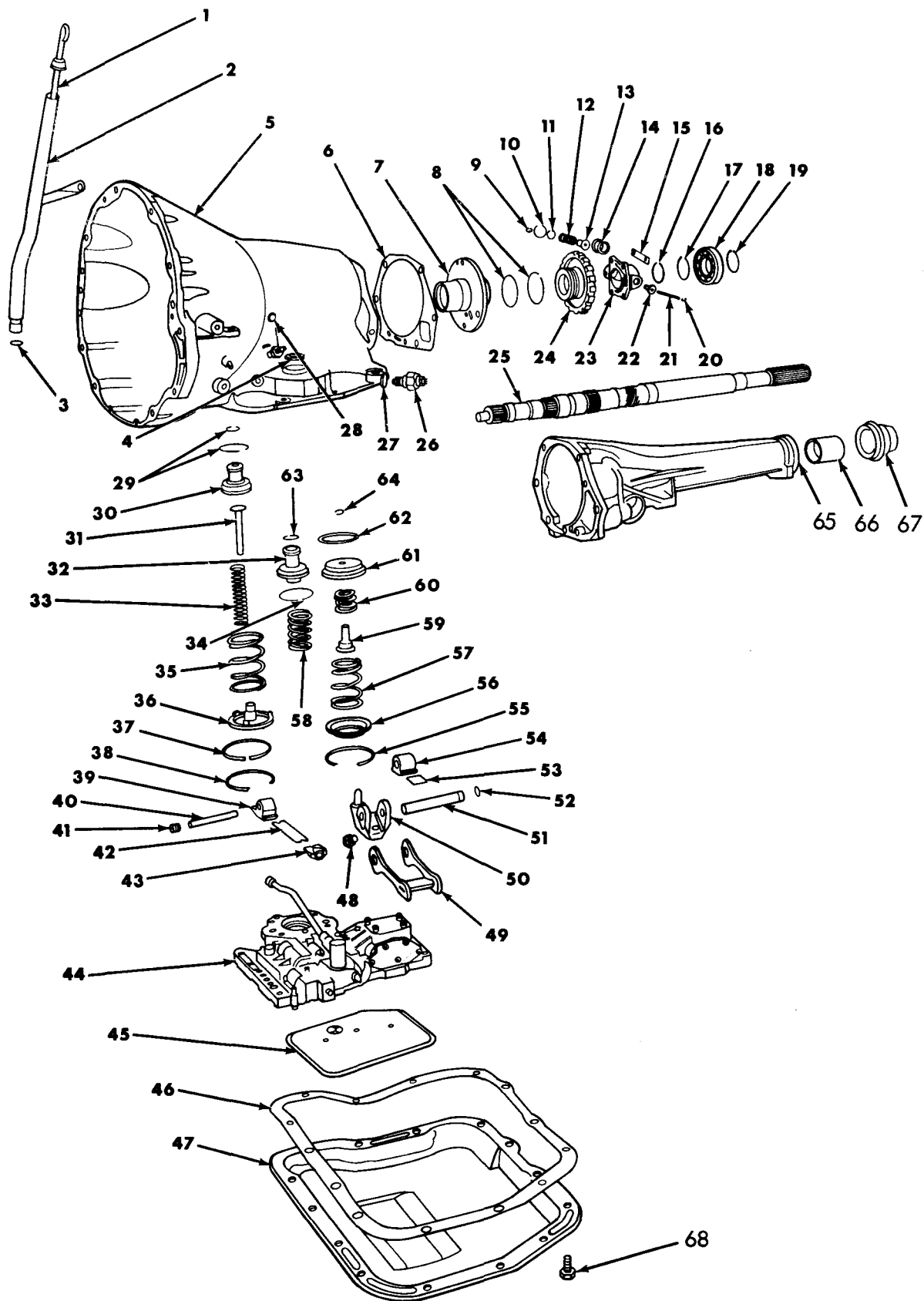
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REF. NO.	DESCRIPTION	QTY.	A727 3745 163
TRANSMISSION (Cont'd.)			
36	SEAL, Rear Clutch Inner	1	1942 054
37	SPRING, Rear Clutch Piston.....	1	3743 621
38	SPACER, Rear Clutch Piston Spring.....	1	3515 077
39	SPRING, Rear Clutch Wave.....	1	2466 806
40	PLATE, Rear Clutch Front	1	2466 803
41	PLATE, Rear Clutch.....	3	2124 826
42	DISC, Rear Clutch.....	4	2801 992
43	PLATE, Rear Clutch Rear.....	1	2801 961
44	RING, Snap, Rear Clutch060-.062 Thk.....	AR	1942 063
	074-.076 Thk.....	AR	1942 064
	088-.090 Thk.....	AR	1942 065
45	WASHER, Thrust.....	1	2400 843
46	RING, Shaft Snap057 Thk.....	AR	6024 311
	064 Thk.....	AR	6024 312
47	CARRIER, Front.....	1	4028 110
48-50	WASHER, Pinion Carrier Thrust.....	2	1942 081
49	GEAR, Annulus, Front.....	1	2892 656
51-55	RING, Sun Gear Driving Shell Lock.....	2	1736 521
52	SHELL, Sun Gear Driving.....	1	2400 662
53	PLATE, Sun Gear Driving Shell Thrust.....	1	1942 080
54	WASHER, Sun Gear Driving Shell Thrust.....	1	1942 081
56	GEAR, Sun.....	1	2801 311
57-67	CARRIER, Rear.....	1	2466 539
58	PLATE, Rear Annulus Gear Thrust.....	1	2400 580
59	GEAR, Annulus, Rear.....	1	2538 185
60	DRUM, Reverse.....	1	3515 451
61	BAND, Reverse.....	1	1942 133
62	SPRING, Overrunning Clutch Roller.....	12	1942 187
63	ROLLER, Overrunning Clutch.....	12	670 776
64	RACE, Overrunning Clutch.....	1	3420 100
65	CAM, Overrunning Clutch.....	1	1942 095
66	RETAINER, Overrunning Clutch Spring.....	1	2801 426
68	SHAFT.....	AR	2464 178
69-75	WASHER, Pinion.....	AR	2801 315
70	PIN, Carrier Shaft (Not Serviced)		
71-74	RING, Pinion Roller Thrust.....	AR	2204 649
72	PINION.....	AR	2400 667
73	ROLLER, Pinion.....	AR	2204 647

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REF. NO.		DESCRIPTION	A727	
			QTY.	3745 163
TRANSMISSION				
		GASKET AND SEAL PACKAGE	1	3780 274
1		INDICATOR, Oil Level	1	2508 311
2		TUBE, Oil Filler	1	2960 471
3		SEAL, Oil Filler Tube	1	1316 815
4		SEAL, Manual Valve Shaft	1	2466 842
5		CASE.	1	3736 630
		COVER, Case	1	3878 973
6		GASKET, Extension	1	2466 954
7		SUPPORT	1	2466 882
8		RING, Support	2	1942 109
9-20		RING, Valve Shaft Snap	2	1638 461
10		RING, Weight Snap	1	1636 464
11		RING, Weight Snap	1	1636 465
12		SPRING, Weight	1	3515 110
13		WEIGHT, Governor.	1	3515 482
14		WEIGHT, Governor.	1	3515 491
15		LOCK, Body Bolt.	2	3743 520
16		RING, Governor Body Snap	1	6022 817
17-19		RING, Shaft Snap	AR	6024 311
		.057 Thk.	AR	6024 312
		.064 Thk.		
18		BEARING		
21		SHAFT, Valve	1	1556 082
22		VALVE, Governor	1	3515 479
23		REPAIR PACKAGE, Governor	1	3780 241
24		SUPPORT, Governor	1	3743 517
25		SHAFT, Output	1	4028 119
26		SWITCH, Neutral Starter	1	2932 820
27		WASHER.	1	2408 143
28		SCREW, Kickdown Band Adjusting	1	2400 389
29		RING, Kickdown Servo Piston Seal Small	1	2124 851
30		PISTON, Kickdown Servo.	1	3410 440
		Kickdown Servo,	1	3410 445
		RETAINER, Kickdown Servo Inner Piston.	1	3410 437
31		ROD		
32		PISTON, Accumulator	1	3410 908
33		SPRING, Kickdown Servo Piston, Inner	1	3410 444
34		RING, Accumulator Piston Seal, Large	1	1315 158
35		SPRING, Kickdown Servo Piston, Outer	1	3410 518
36		GUIDE, Kickdown Servo	1	3410 441
37		RING, Kickdown Servo Piston Seal, Large	1	1942 123

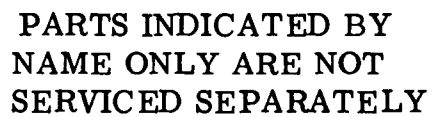
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REF. NO.	DESCRIPTION	QTY.	A727 3745 163
TRANSMISSION (Cont'd.)			
38	RING, Kickdown Servo Guide Snap	1	1942 130
39	LEVER, Kickdown Band	1	3515 116
40	SHAFT, Kickdown Lever	1	1942 132
41	PLUG, Pipe 1/4"		
42	STRUT, Kickdown Band	1	2124 848
43	ANCHOR, Kickdown Band	1	3743 338
44	Body, w/Transfer PLATE, Valve	1	4028 061
45	FILTER, Oil	1	3515 996
46	GASKET, Pan	1	2464 324
	PLUG, Drain	1	2125 890
	GASKET, Drain Plug	1	3769 953
47	PAN, Oil	1	2464 323
48	SCREW, Reverse Band Adjusting	1	1942 141
49	LINK, Reverse Band	1	2204 820
50	LEVER, w/Stem, Long	1	1942 137
51	SHAFT, Reverse Band Lever	1	2124 857
52	SEAL, Reverse Band Lever Shaft	1	6030 910
53	STRUT, Reverse Band	1	2204 823
54	LEVER, Reverse Band, Shaft, Short	1	3515 347
55	RING, Reverse Servo Piston Retainer Snap	1	1942 130
56	RETAINER, Reverse Servo Piston Spring	1	1942 150
57	SPRING, Reverse Servo Piston	1	2801 241
58	SPRING, Accumulator Piston	1	3515 079
59	PLUG, Reverse Servo Piston	1	3743 353
60	SPRING, Reverse Servo Cushion	1	3743 580
61	PISTON, Reverse Servo	1	2801 281
62	SEAL, Reverse Servo Piston Rubber	1	2464 481
63	RING, Accumulator Piston Seal, Small	1	1941 831
64	RING, Reverse Servo Piston Plug	1	6027 153
65	EXTENSION	1	3496 595
66	BEARING	1	1672 194
	RING, Extension Bearing Snap	1	1736 432
67	SEAL, Oil	1	2205 080
68	SCREW, w/WASHER	14	6023 355

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REF. NO.	DESCRIPTION	QTY.	A727 3745 163
TRANSMISSION			
1	RING, Throttle Valve Lever Shaft	1	6025 857
2	WASHER, Throttle Valve Lever Shaft	1	2538 062
3	SEAL, Throttle Valve Shaft	1	2466 548
4	LEVER, Manual Valve	1	3410 484
5	BRACKET, Throttle Pressure Adjusting Screw	1	3681 319
6	SCREW		
	Line Pressure Adjusting	1	2124 736
	Throttle Pressure Adjusting	1	3681 242
7	LEVER, Throttle Valve	1	3681 227
8	FILTER	1	3515 996
9	SCREEN, Regulator Valve	1	3878 313

NOTES

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