

MT-52D

**PARTS
CATALOG**

Green Diamond Engine Excerpt



(Including Models KB-1 to KB-5)

**INTERNATIONAL
TRUCKS**



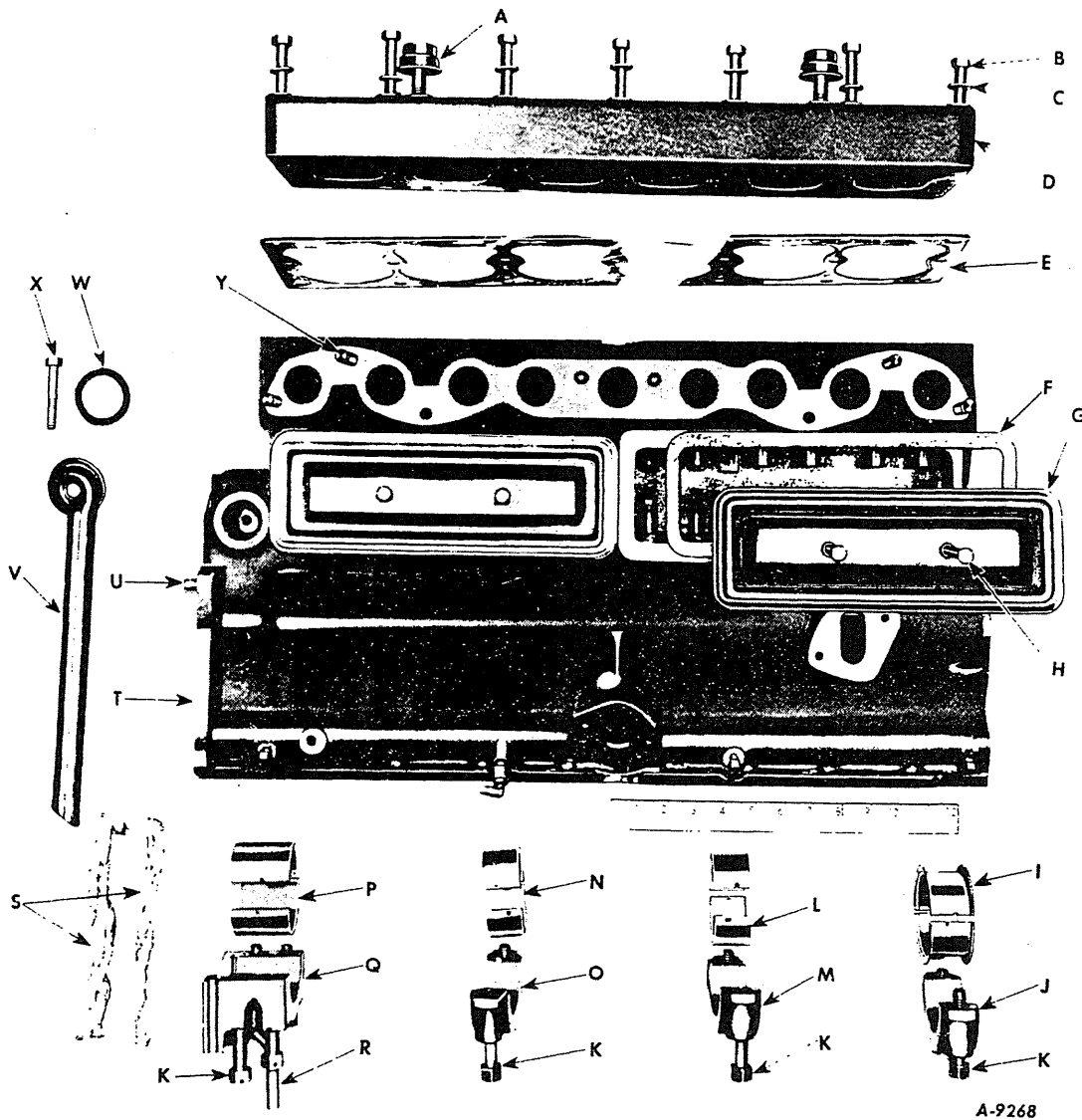
GROUP 01

MODEL "GRD" GREEN DIAMOND ENGINES AND MOUNTINGS

AND

OIL FILTERS

GROUP 01—ENGINE



A-9268

FIG. 01-1—ENGINE CYLINDER BLOCK AND HEAD

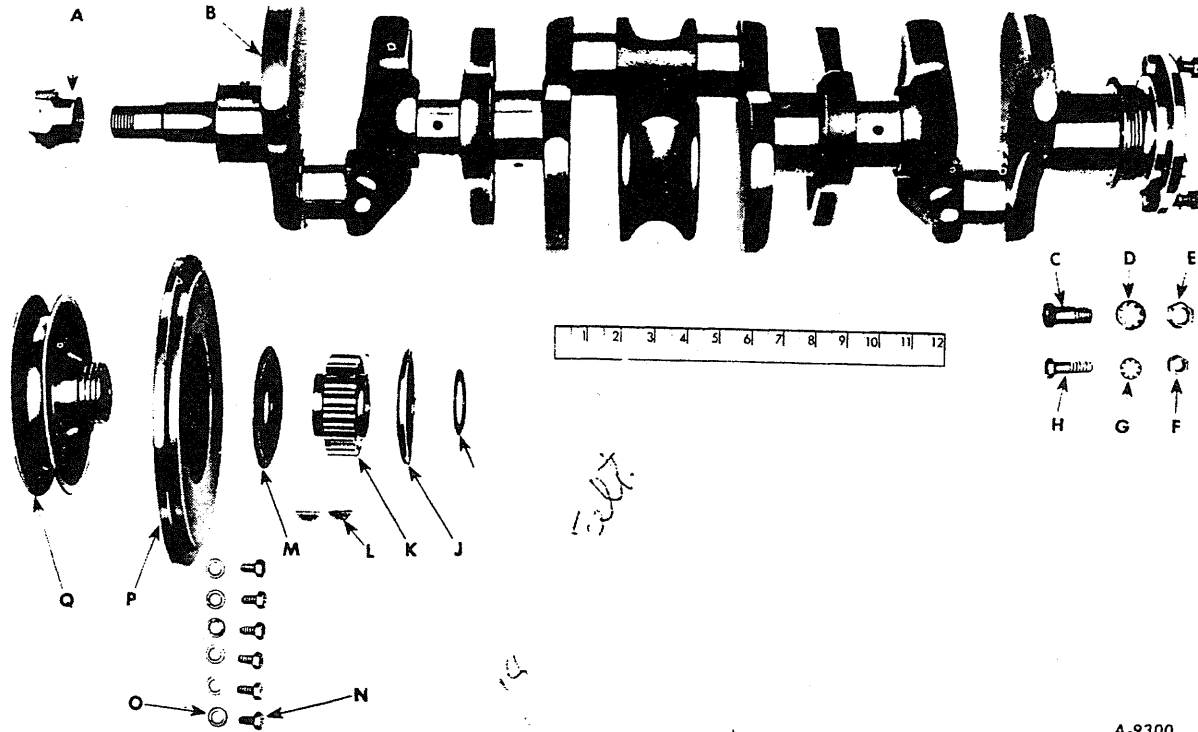


GROUP 01—ENGINE

FIG. 01-1—ENGINE CYLINDER BLOCK AND HEAD

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	BREATHER, ASS'Y.	60 836 H	0101A
B	BOLT	92 045 H	0101A
C	WASHER	101 524 H	0101A
	HEAD	142 962 H	0101A
D	HEAD	104 042 H	0101A
	HEAD	104 043 H	0101A
	HEAD	142 963 H	0101A
E	GASKET	89 445 HB	0101A
F	GASKET	84 773 H	0105B
G	COVER	94 994 H	0105B
H	SCREW	82 740 H	0105B
I	BEARING	56 729 HD	0102A
J	CAP	96 711 H	0102A
K	BOLT	1 739 Y	0102A
L	BEARING	1 707 YC	0102A
M	CAP	96 712 H	0102A
N	BEARING	1 717 YC	0102A
O	CAP	96 713 H	0102A
P	BEARING	1 727 YC	0102A
Q	CAP, w/TUBE, ASS'Y.	99 042 HAX	0102A
R	TUBE	1 737 YA	0102A
S	PACKING	72 146 RI	0102A
T	BLOCK, w/CAPS, ASS'Y.	75 158 HFX	0101
	BLOCK, w/CAPS, ASS'Y.	1 690 YTX	0101
U	PIN	54 808 H	0109A
V	VENTILATOR, ASS'Y	94 942 HX	0101
W	GASKET	1 748 Y	0101
X	SCREW	181 127	0101
	STUD	1 887 Y	0108
Y	STUD	1 886 Y	0108
	STUD	23 375 V	0108

GROUP 01—ENGINE

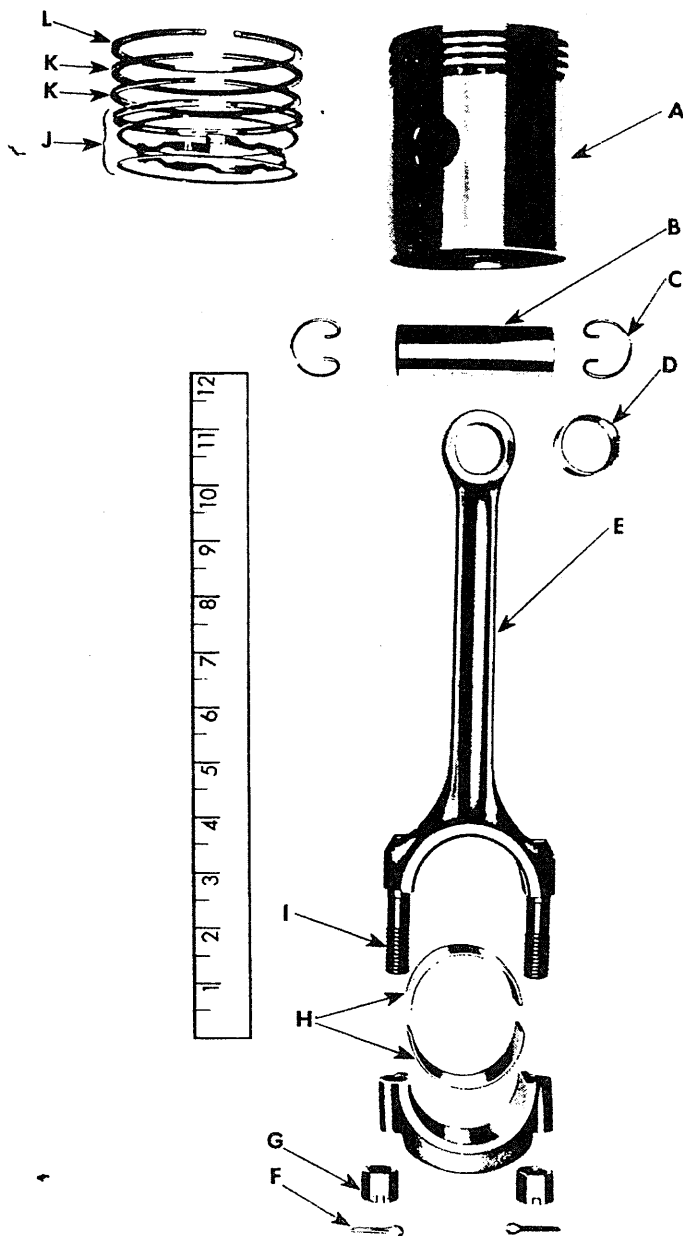


A-9300

FIG. 01-2—ENGINE CRANKSHAFT

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	{ NUT	41 266 HB	0102B
	{ NUT	57 359 H	0102B
B	{ CRANKSHAFT	1 784 YK	0102
	{ CRANKSHAFT	60 835 HD	0102
C	BOLT	98 918 H	0109
D	WASHER	180 491	0109
E	NUT	69 325 RI	0109
F	NUT	69 324 RI	0109
G	WASHER	138 544	0109
H	BOLT	97 824 H	0109
I	SHIM	2 960 Y	0102
J	WASHER	1 787 YA	0102
K	GEAR	1 786 Y	0102
L	KEY	106 751	{ 0102
M	SLINGER	1 794 YA	0102B
N	SCREW	94 891 H	0102
O	WASHER	116 120	0102B
P	DAMPER, ASS'Y.	68 546 H	0102B
Q	{ PULLEY	88 614 HA	0102B
	{ PULLEY	88 601 HA	0102B

GROUP 01—ENGINE

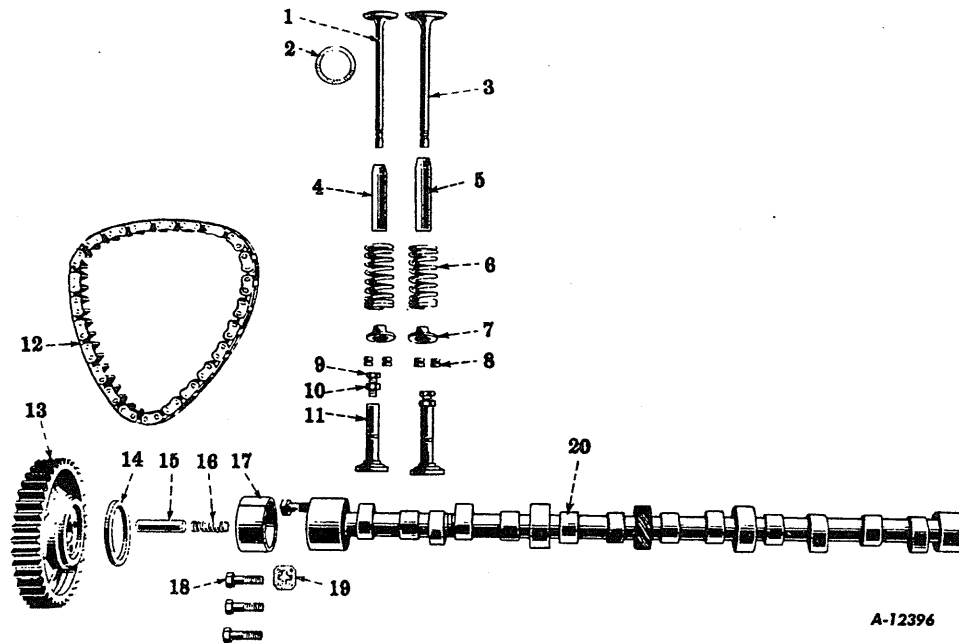


A-9273

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	{ PISTON, w/PIN, ASS'Y.	91 807 HAX	0103
	{ PISTON, w/PIN, ASS'Y.	1 797 YAX	0103
	{ PISTON, w/PIN, ASS'Y.	61 231 HX	0103
B	{ PIN	75 123 HA	0103B
C	{ PIN	1 803 YA	0103B
	{ RETAINER	1 819 Y	0103B
D	{ BUSHING	50 292 H	0103B
E	{ ROD, ASS'Y.	75 137 HCX	0104
	{ ROD, ASS'Y.	60 832 HFX	0104
F	{ PIN	137 164	0104
G	{ NUT	1 832 YA	0104
H	{ BEARING	94 867 HX	0104A
	{ BEARING	94 861 HAX	0104A
I	{ BOLT	75 140 H	0104
	{ BOLT, w/NUT, ASS'Y.	64 115 HBX	0104
J	{ RING	75 132 H	0103A
	{ RING	50 903 HA	0103A
	{ RING	70 579 H	0103A
K	{ RING	75 127 H	0103A
	{ RING	1 807 Y	0103A
	{ RING	70 591 H	0103A
L	{ RING	79 554 H	0103A
	{ RING	1 807 Y	0103A

FIG. 01-3—ENGINE CONNECTING ROD AND PISTON

GROUP 01—ENGINE

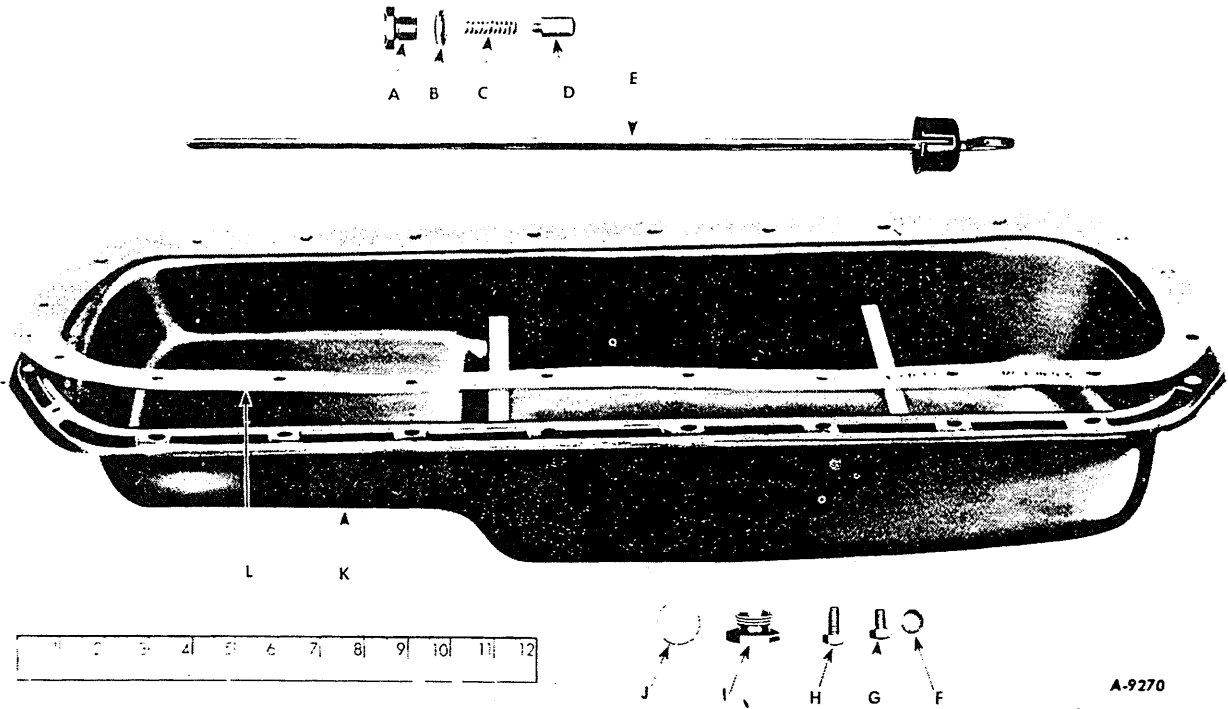


A-12396

FIG. 01-4—ENGINE CAMSHAFT AND VALVES

KEY	DESCRIPTION	I H C PART NO.	GROUP
1	VALVE	80 171 HC	0105
2	SEAT	53 493 H	0105
3	VALVE	48 060 HB	0105
4	GUIDE	50 281 HA	0105
5	GUIDE	50 280 HA	0105
6	SPRING	52 982 H	0105
7	CUP	48 066 H	0105
8	RETAINER	48 067 H	0105
9	SCREW	1 858 YA	0105A
10	NUT	1 859 YB	0105A
11	TAPPET	74 547 HA	0105A
12	CHAIN	3 003 Y	0106B
13	GEAR	1 834 Y	0106B
14	WASHER	1 836 Y	0106
15	PLUNGER	95 684 H	0106
16	SPRING	95 683 H	0106
17	BUSHING	1 741 YB	0106A
18	SCREW	71 498 HA	0106B
19	PLATE	82 754 H	0106B
20	CAMSHAFT	1 833 YD	0106

GROUP 01—ENGINE

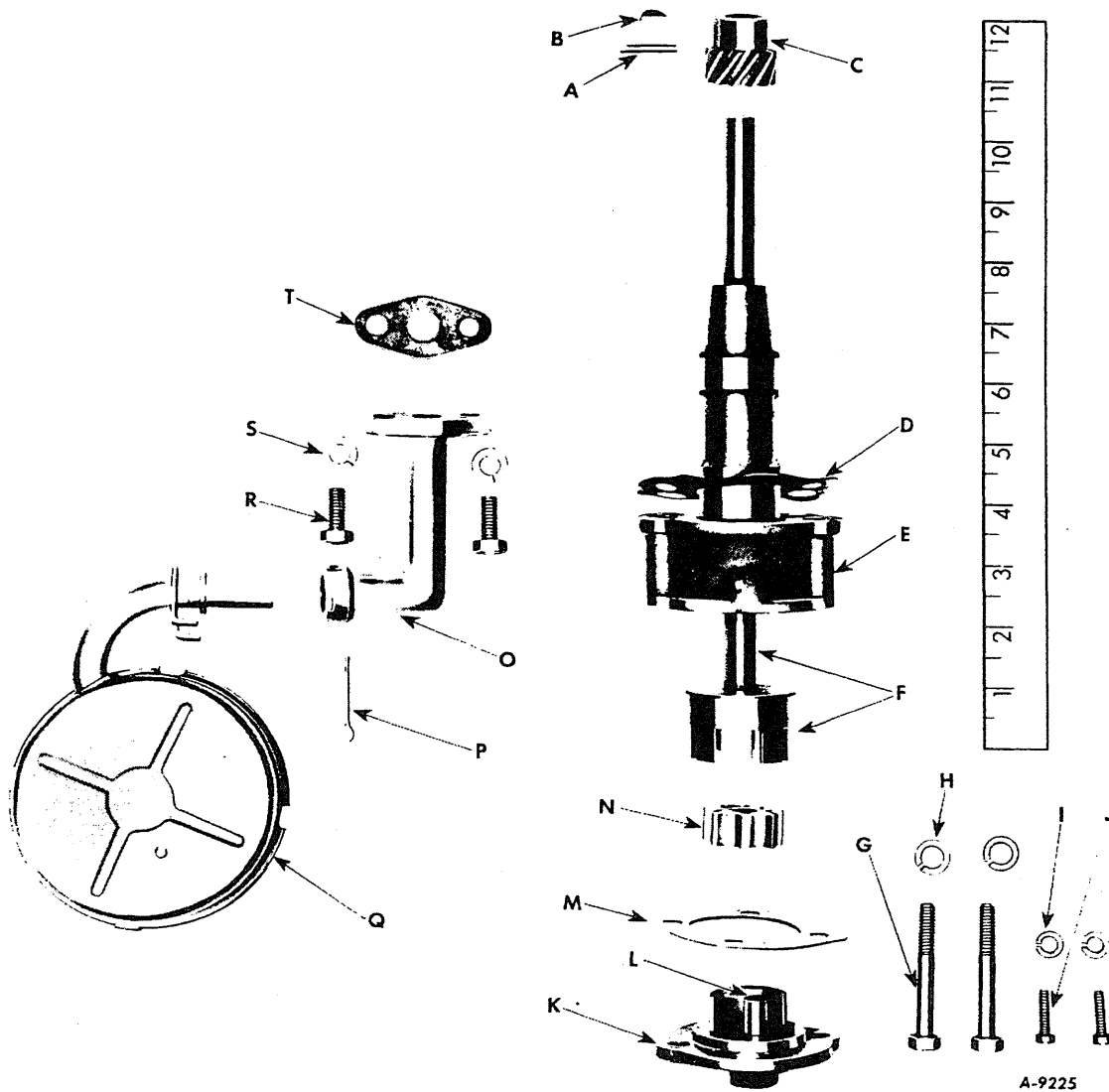


A-9270

FIG. 01-5—ENGINE OIL PAN

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	RETAINER	59 547 H	0107C
B	WASHER	1 928 Y	0107C
C	SPRING	1 926 Y	0107C
D	PLUNGER	1 925 YA	0107C
E	{ GAGE	78 946 H	0107B
	{ GAGE	95 598 H	0107B
F	WASHER	22 910 V	0107A
G	SCREW	181 081	0107A
I	PLUG	41 300 HA	0107A
J	GASKET	3 405 H	0107A
K	{ PAN, ASS'Y.	1 773 YFX	0107A
	{ PAN, ASS'Y.	92 942 HAX	0107A
L	GASKET	✓ 1 783 Y	0107A

GROUP 01—ENGINE



A-9225

FIG. 01-6—ENGINE OIL PUMP

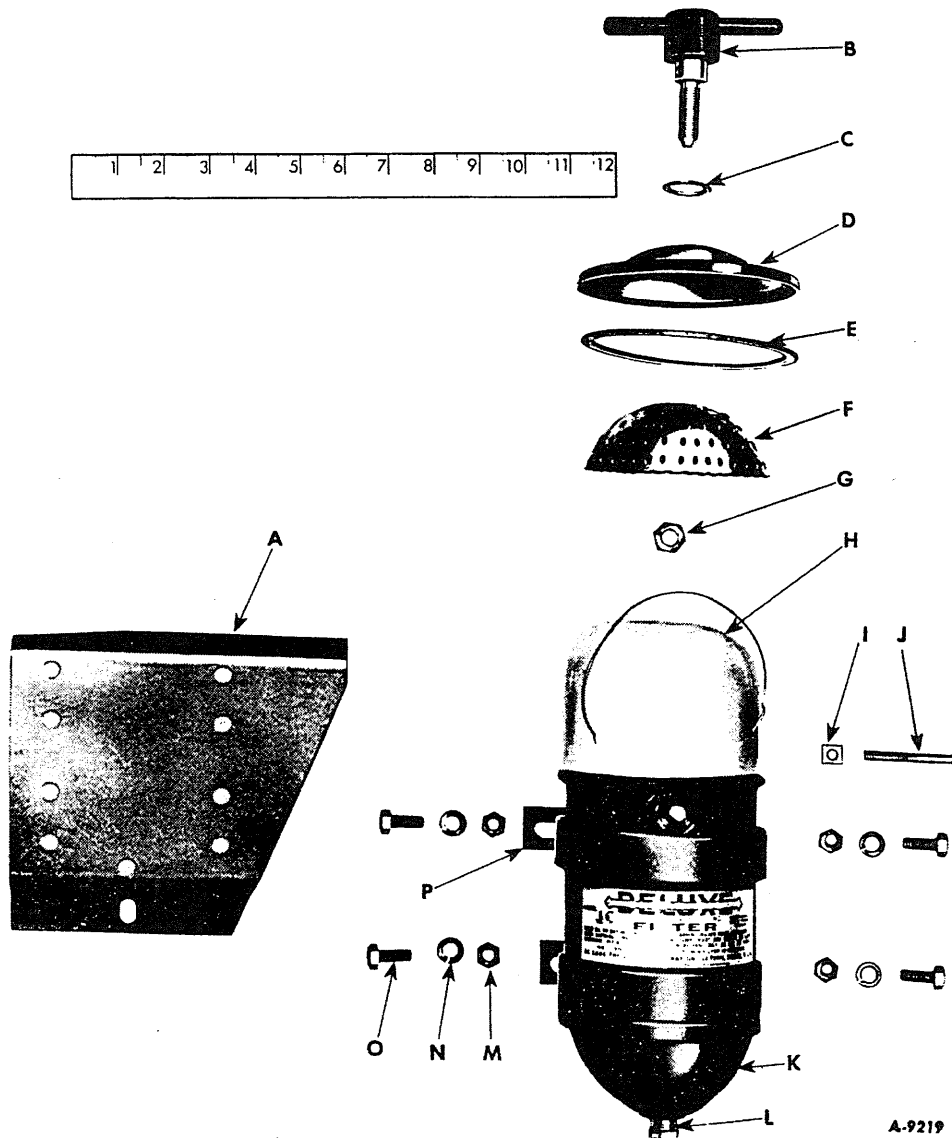


GROUP 01—ENGINE

FIG. 01-6—ENGINE OIL PUMP

KEY	DESCRIPTION	PART NO.	GROUP
A	PIN	1 921 Y	0107
B	KEY	106 749	0107
C	GEAR	1 920 YA	0107
D	GASKET	1 922 Y	0107
E	BODY	1 912 YA	0107
F	SHAFT, w/ROTOR, ASS'Y.	44 255 HB	0107
G	SCREW	181 097	0107
H	WASHER	121 367	0107
I	WASHER	116 119	0107
J	SCREW	132 201	0107
K	COVER, w/PIN, ASS'Y.	1 918 YAX	0107
L	PIN	1 563 H	0107
M	GASKET	1 919 Y	0107
N	PINION	44 224 HB	0107
O	SUPPORT	1 923 YA	0107
P	PIN	137 195	0107
Q	FLOAT, ASS'Y.	1 931 YA	0107
R	SCREW	181 086	0107
S	WASHER	116 120	0107
T	GASKET	1 924 Y	0107

GROUP 01—ENGINE

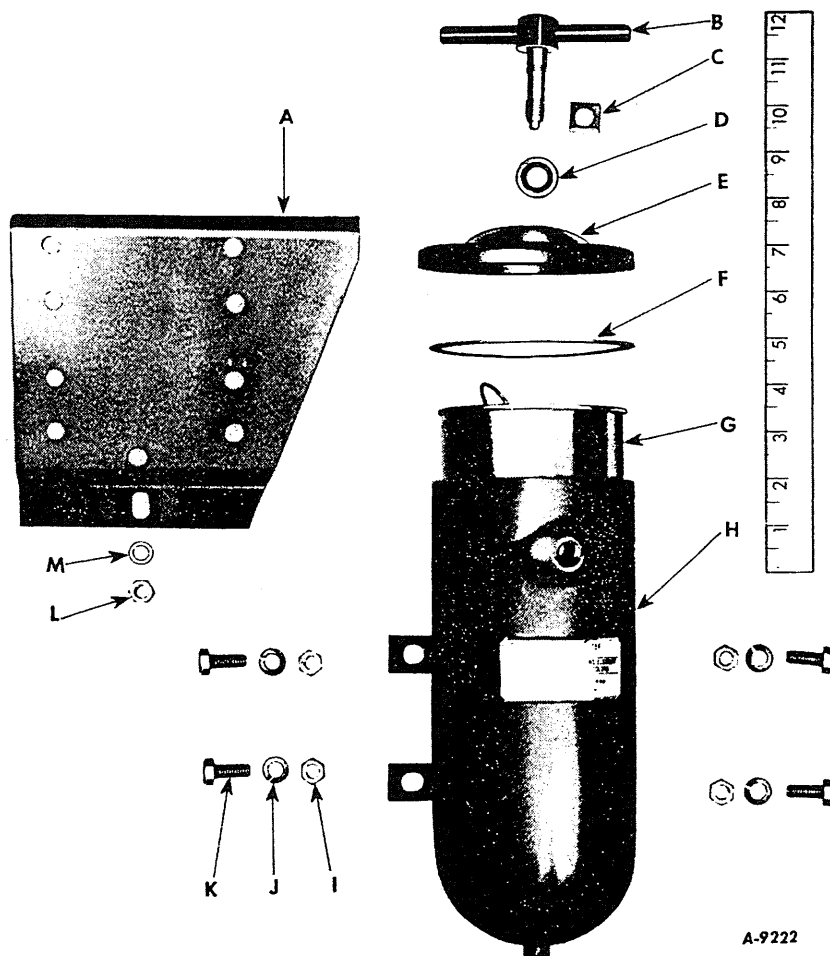


A-9219

FIG. 01-7—ENGINE OIL FILTER (Deluxe)

KEY	DESCRIPTION	I H C PART NO.	GROUP	KEY	DESCRIPTION	I H C PART NO.	GROUP
A	BRACKET	66 161 HC	0107D	I	NUT	124 043	0107D
B	SCREW	102 377 H	0107D	J	SCREW	133 127	0107D
C	WASHER	70 665 H	0107D	K	SCREW	133 132	0107D
D	COVER	70 666 H	0107D	L	BODY	70 669 HB	0107D
E	GASKET	70 664 H	0107D	M	BODY	74 388 HX	0107D
F	CAP	70 667 H	0107D	N	PLUG	74 390 H	0107D
G	CAP	70 668 H	0107D	O	NUT	121 923	0107D
H	CARTRIDGE	122 275	0107D	P	WASHER	116 120	0107D
	CARTRIDGE	70 671 H	0107D		SCREW	182 687	0107D
		70 690 H	0107D		BRACKET	75 466 H	0107D
					BRACKET	74 392 H	0107D

GROUP 01—ENGINE



A-9222

FIG. 01-8—ENGINE OIL FILTER (Michiana)

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	BRACKET	66 161 HC	0107E
B	BRACKET SCREW	102 377 H	0107E
C	NUT	95 585 HX	0107E
D	GASKET	95 587 H	0107E
E	COVER	95 586 H	0107E
F	GASKET	95 583 H	0107E
G	GASKET	95 584 H	0107E
H	CARTRIDGE	92 629 H	0107E
I	BODY	102 360 HX	0107E
J	BODY	95 582 HX	0107E
K	NUT	121 923	0107E
L	WASHER	116 120	0107E
M	SCREW	182 687	0107E
	NUT	427 316	0107E
	SPACER	68 776 H	0107E

GROUP 01—ENGINE

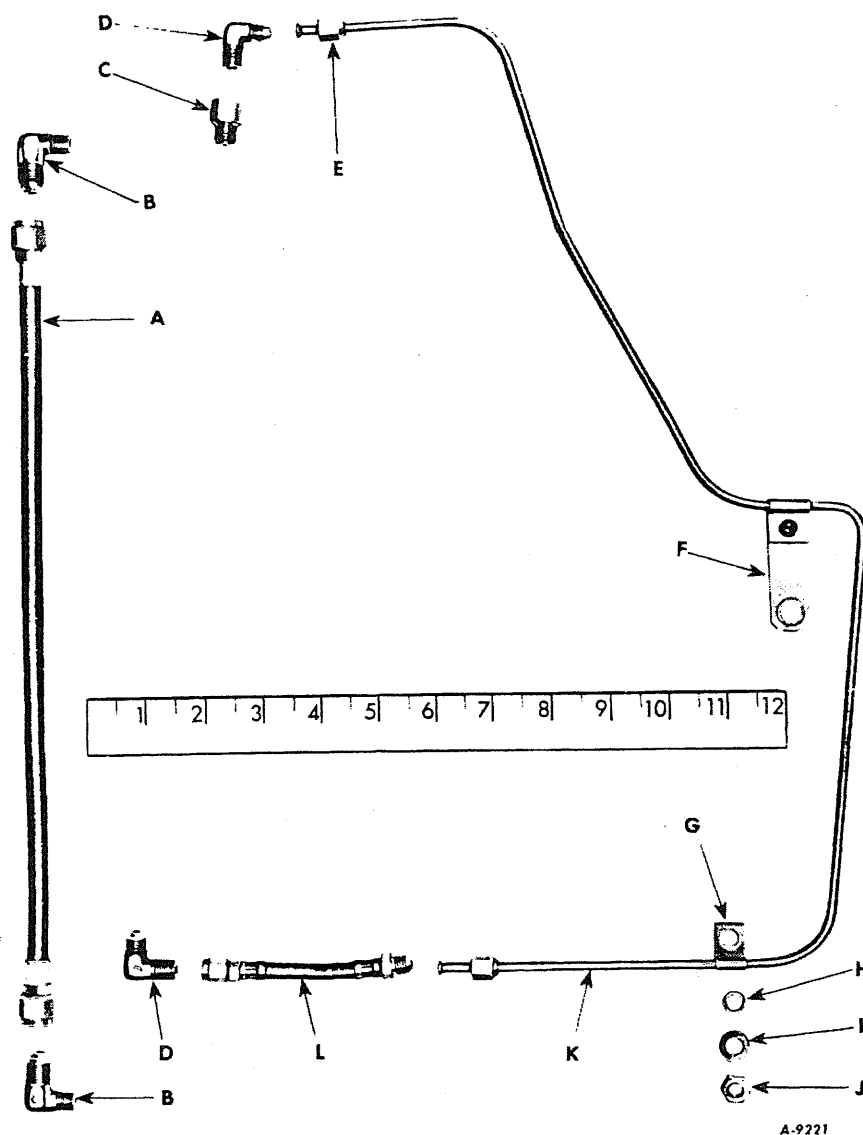
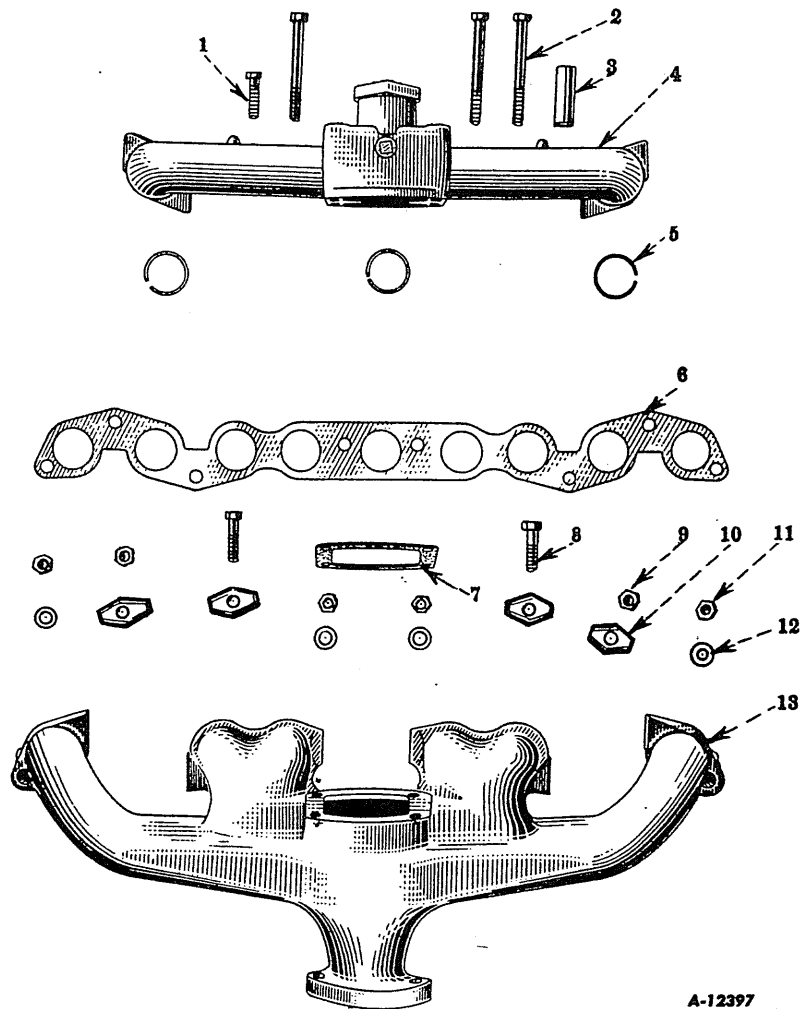


FIG. 01-9—ENGINE OIL FILTER LINES AND CONNECTIONS

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	{ LINE	51 729 VX	0107D,E
	{ LINE	22 176 VX	0107D,E
	{ LINE	52 690 VX	0107D,E
B	ELBOW	118 754	0107D,E
C	ADAPTER	74 391 H	0107D,E
D	ELBOW	121 339	0107D,E
E	NUT	144 307	0107D,E
F	CLIP	66 160 H	0107D,E
G	CLIP	140 775	0107D,E
H	SPACER	68 776 H	0107D,E
I	WASHER	116 120	0107D,E
J	NUT	121 923	0107D,E
K	{ LINE	66 163 HB	0107D,E
	{ LINE	93 763 H	0107D,E
L	TUBE	89 609 H	0107D,E

GROUP 01—ENGINE



A-12397

FIG. 01-10—ENGINE INTAKE AND EXHAUST MANIFOLDS
For GRD-175, 214 and 233 Engines

KEY	DESCRIPTION	I H C PART NO.	GROUP
1	SCREW	105 581 H	0108
2	SCREW	95 085 H	0108
3	SCREW	105 580 H	0108
3	SPACER	74 548 H	0108
4	MANIFOLD, w/STUDS, Ass'y.	62 301 HAX	0108
4	MANIFOLD, w/STUDS, Ass'y.	95 069 HAX	0108
5	PILOT	95 064 HA	0108
6	GASKET	1 876 Y	0108
7	GASKET	62 305 H	0108
8	SCREW	181 116	0108
9	NUT	121 939	0108
10	CLAMP	50 844 H	0108
11	NUT	37 684 H	0108
12	WASHER	127 507 H	0108
13	MANIFOLD	95 068 HB	0108

GROUP 01—ENGINE

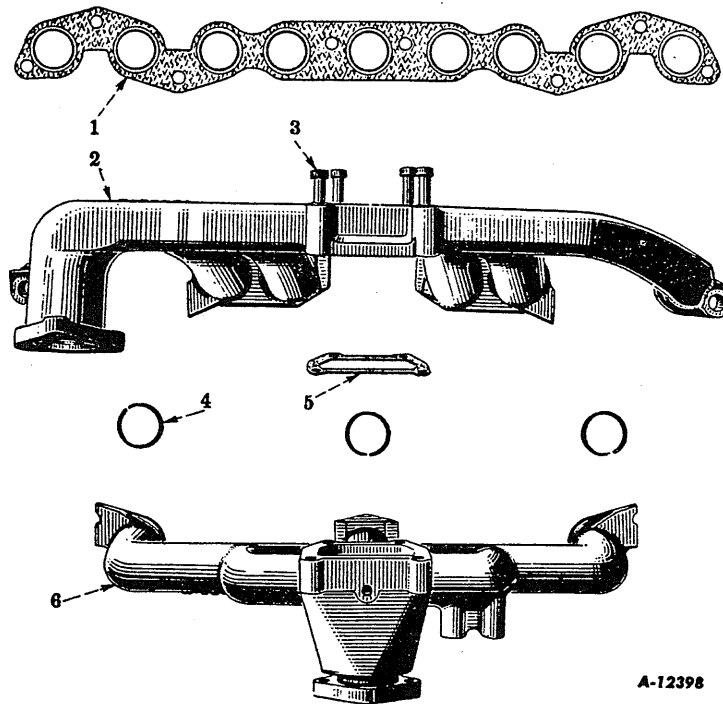


FIG. 01-11—ENGINE INTAKE AND EXHAUST MANIFOLDS
For GRD-175 A and 214 A Engines

KEY	DESCRIPTION	I H C PART NO.	GROUP
1	GASKET	1 876 Y	0108
2	MANIFOLD	86 964 H	0108
3	SCREW	181 126	0108
4	PILOT	181 127	0108
5	GASKET	95 064 HA	0108
6	MANIFOLD, w/STUDS, ASS'Y.	86 965 H	0108
		86 963 HBX	0108

GROUP 01—ENGINE

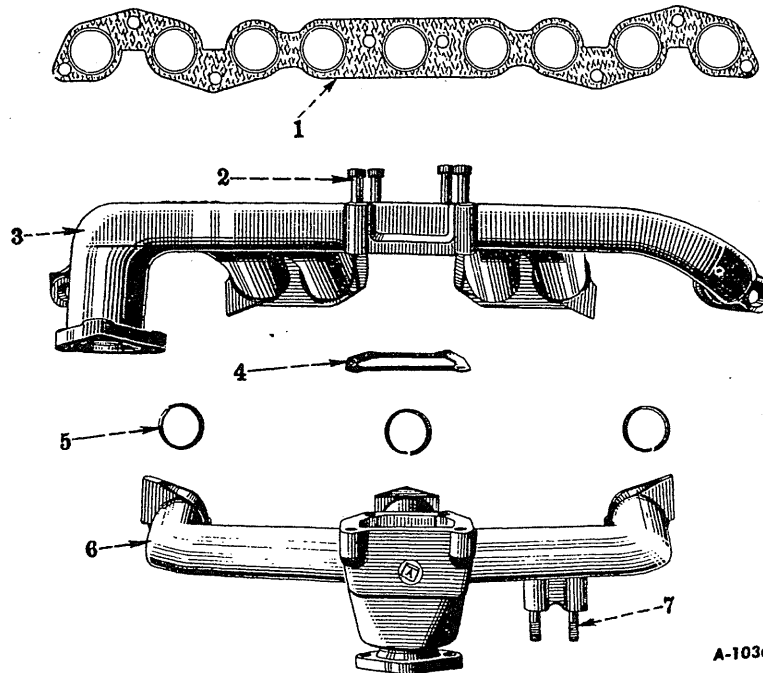


FIG. 01-12—ENGINE INTAKE AND EXHAUST MANIFOLDS
For GRD-233 A Engines

KEY	DESCRIPTION	I H C PART NO.	GROUP
1	GASKET	1 876 Y	0108
2	SCREW	181 126	0108
3	MANIFOLD	86 964 H	0108
4	GASKET	86 965 H	0108
5	PILOT	95 064 HA	0108
6	MANIFOLD, w/STUDS, ASS'Y.	101 141 HX	0108
7	STUD	21-060 V	0301H

GROUP 01—ENGINE

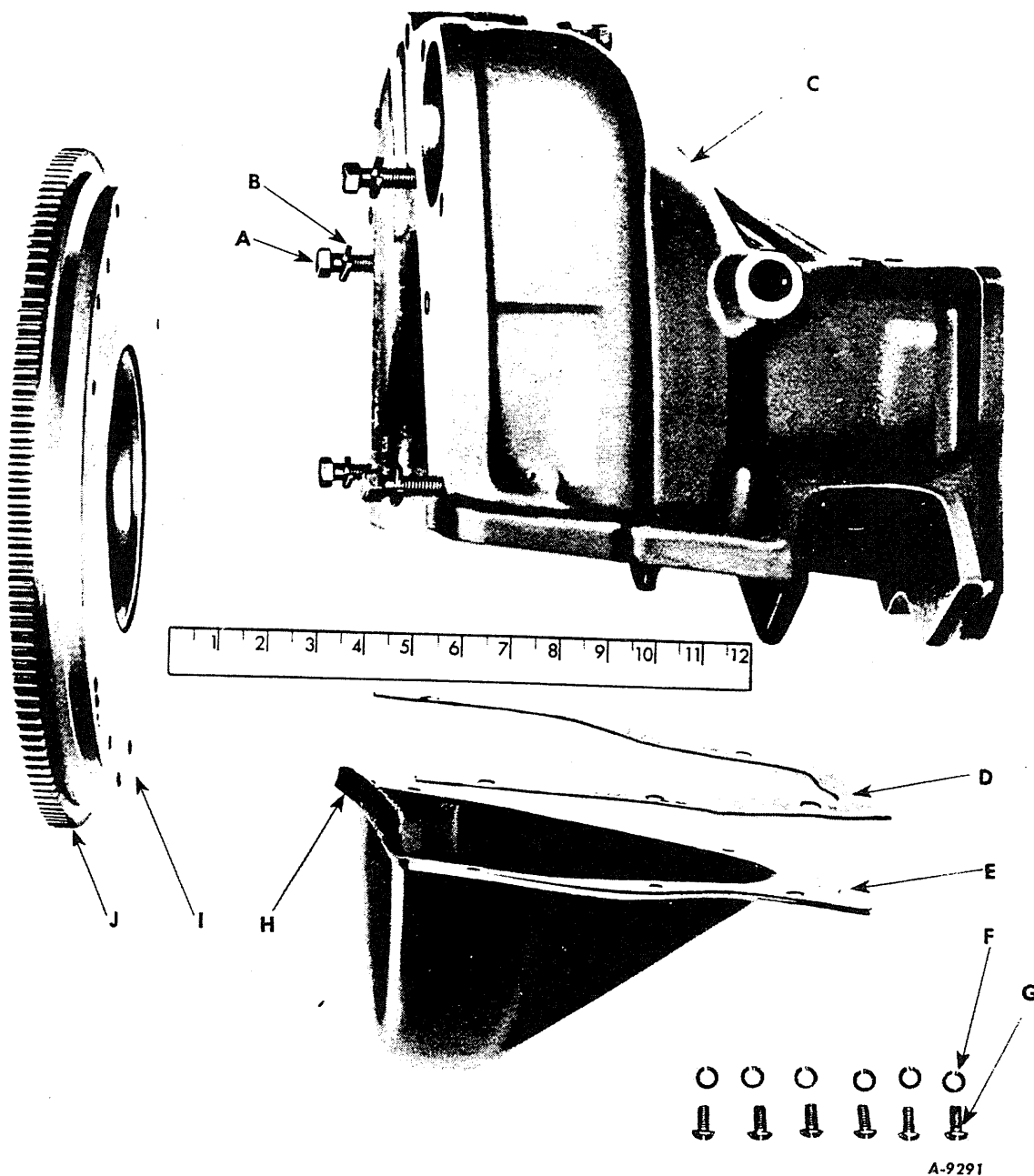
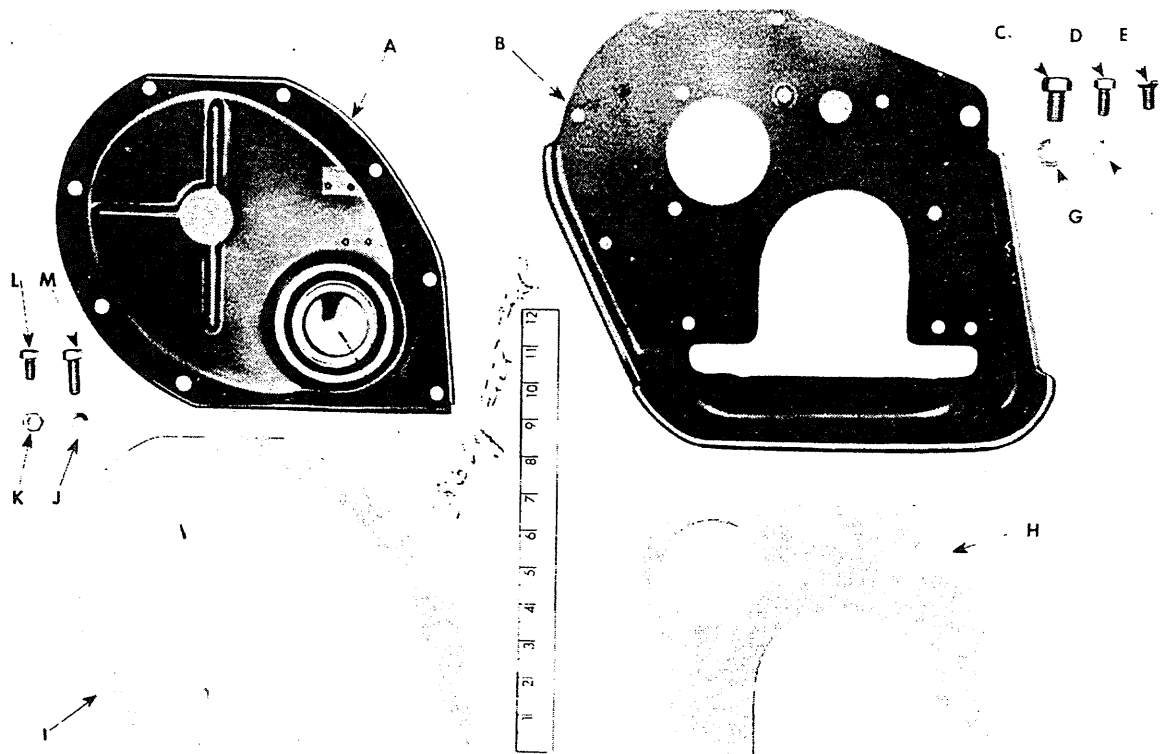


FIG. 01-13—ENGINE FLYWHEEL AND HOUSING

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	BOLT	1 770 Y	0109A
B	WASHER	115 314	0109A
C	HOUSING	96 347 HB	0109A
D	GASKET	96 344 H	0109A
E	COVER, ASS'Y.	96 345 HX	0109A
F	WASHER	131 200	0109A
G	SCREW	124 060	0109A
H	FELT	62 517 H	0109A
I	FLYWHEEL, w/GEAR, ASS'Y.	96 346 HBX	0109
J	GEAR	95 691 H	0109

GROUP 01—ENGINE



A-9244

FIG. 01-14—ENGINE GEAR CASE COVER AND FRONT MOUNTING PLATE

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	COVER, ASS'Y.	95 633 H	0106C
B	PLATE	95 600 H	0110
C	SCREW	181 160	0110
D	SCREW	181 108	0110
E	SCREW	1 861 Y	0110
F	WASHER	115 093	0110
G	WASHER	116 121	0110
H	GASKET	61 811 H	0110
I	GASKET	1 863 Y	0106C
J	WASHER	115 093	0106C
K	NUT	121 923	0106C
L	SCREW	182 685	0106C
M	SCREW	181 111	0106C

GROUP 01—ENGINE

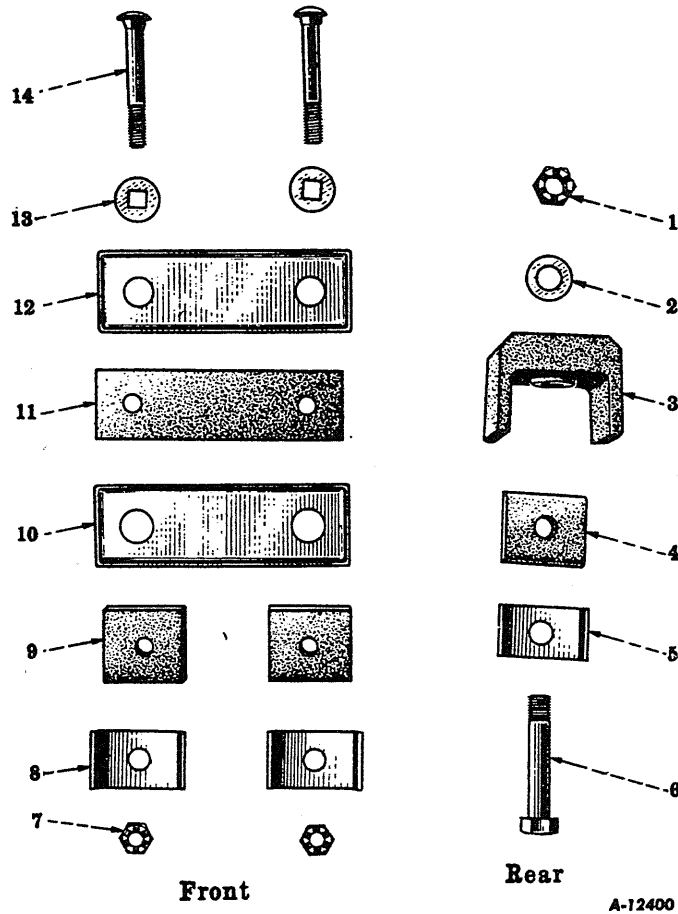
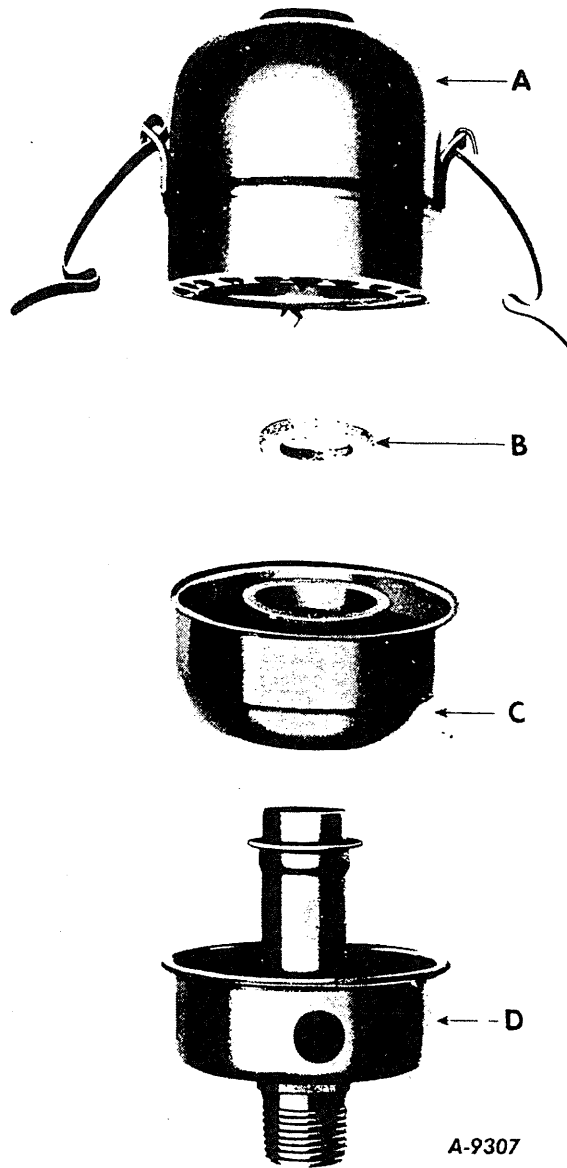


FIG. 01-15—ENGINE FRONT AND REAR MOUNTING

KEY	DESCRIPTION	I H C PART NO.	GROUP
1	NUT	122 770	0110A
2	WASHER	118 777	0110A
3	INSULATOR	95 153 H	0110A
3	INSULATOR	102 721 H	0110A
4	INSULATOR	95 148 HA	0110A
5	RETAINER	95 147 H	0110A
6	BOLT	101 128 H	0110A
6	BOLT	95 155 HA	0110A
7	NUT	122 738	0110
8	RETAINER	95 146 H	0110
9	INSULATOR	97-074 H	0110
10	RETAINER	95 151 H	0110
11	INSULATOR	95 152 H	0110
12	RETAINER	95 150 H	0110
13	WASHER	98 951 H	0110
14	BOLT	101 734 H	0110

GROUP 01—ENGINE



A-9307

FIG. 01-16—ENGINE BREATHER (Special)

KEY	DESCRIPTION	I H C PART NO.	GROUP
A	BODY, Ass'y	131 491 H	0107F
B	GASKET	131 498 H	0107F
C	CUP, Ass'y	131 499 HX	0107F
D	BASE, Ass'y	131 502 HX	0107F



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
ENGINE (6-CYLINDER)								
		Model GRD-175 Engine—3 x 4½", Down-Draft or Up-Draft Manifold (K-1, K-2, K-3, K-4, KS-4, K-5, KS-5 Trucks)						
		Model GRD-175A Engine—3 x 4½", Up-Draft Manifold (K-1-M, K-3-M Trucks)						
		Model GRD-214 Engine—3⅝ x 4½", Down-Draft or Up-Draft Manifold (K-1, K-2, K-3, K-4, KS-4, K-5, KS-5 Trucks)						
		Model GRD-214A Engine—3⅝ x 4½", Up-Draft Manifold (K-1-M, K-3-M Trucks)						
		Model GRD-233 Engine—3⅝ x 4½", Down-Draft or Up-Draft Manifold (K-1, K-2, K-3, K-4, KS-4, K-5, KS-5, K-5-B Trucks)						
		Model GRD-233A Engine—3⅝ x 4½", Up-Draft Manifold (K-5-COE, KS-5-COE Trucks)						

0100—ENGINE ASSEMBLY

61 148 HP	ENGINE, SKELETON, ASSEMBLY (INCLUDES CYLINDER BLOCK, PISTONS, CONNECTING RODS, CRANKSHAFT, CRANKSHAFT BEARINGS, CAMSHAFT, CAMSHAFT SPROCKET, CAMSHAFT DRIVE CHAIN, VALVES AND CYLINDER HEAD SCREWS) (DOES NOT INCLUDE CYLINDER HEAD, OIL PAN, OIL PUMP, ELECTRICAL AND FUEL ACCESSORIES) (WILL WORK FOR 61 148 HL, HM, HN)							
74 320 HN	ENGINE, SKELETON, ASSEMBLY (INCLUDES CYLINDER BLOCK, PISTONS, CONNECTING RODS, CRANKSHAFT, CRANKSHAFT BEARINGS, CAMSHAFT, CAMSHAFT SPROCKET, CAMSHAFT DRIVE CHAIN, VALVES AND CYLINDER HEAD SCREWS) (DOES NOT INCLUDE CYLINDER HEAD, OIL PAN, OIL PUMP, ELECTRICAL AND FUEL ACCESSORIES) (WILL WORK FOR 74 320 HJ, HK, HL, HM)							
68 227 R91	ENGINE, SKELETON, ASSEMBLY (INCLUDES CYLINDER BLOCK, .010" OVERSIZE PISTONS, CONNECTING RODS, CRANKSHAFT, CRANKSHAFT BEARINGS, CAMSHAFT, CAMSHAFT SPROCKET, CAMSHAFT DRIVE CHAIN, VALVES AND CYLINDER HEAD SCREWS) (DOES NOT INCLUDE CYLINDER HEAD, OIL PAN, OIL PUMP, ELECTRICAL AND FUEL ACCESSORIES)							
26 165 H0	GASKET SET, ENGINE OVERHAUL CONSISTS OF - 1 - 62 517 H FELT, ENGINE FLYWHEEL HOUSING BOTTOM COVER 2 - 66 453 H GASKET, CARBURETOR TO MANIFOLD 1 - 89 445 HB GASKET, ENGINE CYLINDER HEAD 1 - 41 991 H GASKET, ENGINE CYLINDER HEAD WATER OUTLET HOSE CONNECTION 1 - 1 876 Y GASKET, ENGINE EXHAUST AND INTAKE MANIFOLD 1 - 96 344 H GASKET, ENGINE FLYWHEEL HOUSING BOTTOM COVER 1 - 1 863 Y GASKET, ENGINE FRONT COVER 1 - 61 811 H GASKET, ENGINE FRONT SUPPORT PLATE 1 - 62 305 H GASKET, ENGINE INTAKE TO EXHAUST MANIFOLD 1 - 1 924 Y GASKET, ENGINE OIL FLOAT SUPPORT 1 - 1 783 Y GASKET, ENGINE OIL PAN 1 - 1 922 Y GASKET, ENGINE OIL PUMP TO CYLINDER BLOCK 2 - 84 773 H GASKET, ENGINE VALVE SPRING COVER 1 - 60 837 H GASKET, ENGINE WATER PUMP TO CYLINDER BLOCK 1 - 2 163 Y GASKET, FUEL PUMP MOUNTING 1 - 1 579 Y GASKET, IGNITION DISTRIBUTOR MOUNTING 1 - 1 866 Y PACKING, ENGINE CRANKSHAFT, FRONT 1 - 1 738 Y PACKING, ENGINE CRANKSHAFT REAR BEARING CAP 1 - 90 133 H. SEAL, AIR, CARBURETOR AIR CLEANER (RUBBER)							



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0101—CYLINDER BLOCK AND VENTILATOR								
01-1	75 158 HFX	BLOCK, ENGINE CYLINDER, W/BEARING CAPS, ASSEMBLY (LESS PISTONS)	1	1				
01-1	1 690 YTX	BLOCK, ENGINE CYLINDER, W/BEARING CAPS, ASSEMBLY (LESS PISTONS), (WILL WORK FOR 1 690 YRX, YSX)			1	1	1	1
	75 158 HFY	BLOCK, ENGINE CYLINDER, W/PISTONS, ASSEMBLY	1	1				
	1 690 YWY	BLOCK, ENGINE CYLINDER, W/PISTONS, ASSEMBLY (WILL WORK FOR 1 690 YSY, YTY, YUY, YVY)			1	1		
	72 060 HM	BLOCK, ENGINE CYLINDER, W/PISTONS, ASSEMBLY (WILL WORK FOR 72 060 HH, HJ, HK, HL)					1	1
	134 519	COCK, DRAIN, ENGINE CYLINDER BLOCK (OPTIONAL WITH 75 351 H) (NOT FOR TRUCKS WITH 12 VOLT GENERATOR OR HIGH OUTPUT 6 VOLT GENERATOR)	1	1	1	1	1	1
	75 351 H	COCK, DRAIN, ENGINE CYLINDER BLOCK (OPTIONAL WITH 134 519) (NOT FOR TRUCKS WITH 12 VOLT GENERATOR OR HIGH OUTPUT 6 VOLT GENERATOR)	1	1	1	1	1	1
	37 143 D	COCK, DRAIN, ENGINE CYLINDER BLOCK (OPTIONAL WITH 75 217 H) (FOR TRUCKS WITH 12 VOLT GENERATOR AND HIGH OUTPUT 6 VOLT GENERATOR)	1	1	1	1	1	1
	75 217 H	COCK, DRAIN, ENGINE CYLINDER BLOCK (OPTIONAL WITH 37 143 D) (FOR TRUCKS WITH 12 VOLT GENERATOR AND HIGH OUTPUT 6 VOLT GENERATOR)	1	1	1	1	1	1
01-1	1 748 Y	GASKET, ENGINE CYLINDER BLOCK VENTILATOR (NOTE ④)	1	1	1	1	1	1
	75 166 H	GASKET, ENGINE CYLINDER BLOCK WATER BY-PASS OPENING COVER PLATE	1	1				
	73 176 HA	GASKET SET, ENGINE LOWER CRANKCASE OVERHAUL	1	1	1	1	1	1
		CONSISTS OF -						
		1 - 1 863 Y GASKET, ENGINE FRONT COVER						
		1 - 61 811 H GASKET, ENGINE FRONT SUPPORT PLATE						
		1 - 1 924 Y GASKET, ENGINE OIL FLOAT SUPPORT						
		1 - 1 783 Y GASKET, ENGINE OIL PAN						
		1 - 1 922 Y GASKET, ENGINE OIL PUMP TO CYLINDER BLOCK						
		1 - 60 837 H GASKET, ENGINE WATER PUMP TO CYLINDER BLOCK						
		1 - 2 163 Y GASKET, FUEL PUMP MOUNTING						
		1 - 1 579 Y GASKET, IGNITION DISTRIBUTOR MOUNTING						
		1 - 1 866 Y PACKING, ENGINE CRANKSHAFT, FRONT						
		2 - 1 738 Y PACKING, ENGINE CRANKSHAFT REAR BEARING CAP						
	75 171 H	PLATE, COVER, ENGINE CYLINDER BLOCK WATER BY-PASS OUTLET	1	1				
	181 082	SCREW, CAP, HEX-HD., S., PARKERIZED, 5/16-18 N.C. x 1/2" (ENGINE CYLINDER BLOCK WATER BY-PASS OUTLET COVER PLATE)	2	2				
	37 564 HA	WASHER, PLAIN, SOFT STEEL, 21/64" I.D. x 9/16" O.D. x .0375" THICK (ENGINE CYLINDER BLOCK WATER BY-PASS OPENING COVER PLATE SCREW)	2	2				
	172 578	PLUG, EXPANSION, S., 1-3/4" (ENGINE CYLINDER BLOCK)	1	1	1	1	1	1
	126 045	PLUG, PIPE, CK., S., 3/8" (ENGINE CYLINDER BLOCK)	2	2	2	2	2	2
	63 556 R1	PLUG, EXPANSION, S., 2" (ENGINE CYLINDER BLOCK)	5	5	5	5	5	5
	113 185	PLUG, PIPE, CK., M.I., 3/8" (ENGINE CYLINDER BLOCK)	2	2	2	2	2	2
	103 865	PLUG, PIPE, SQ-HD., C.I., 1/8" (ENGINE CYLINDER BLOCK)	6	6	6	6	6	6
01-1	94 942 HX	VENTILATOR, ENGINE CYLINDER BLOCK, ASSEMBLY (NOTE ④)	1	1	1	1	1	1
01-1	181 127	SCREW, CAP, HEX-HD., S., PARKERIZED, 3/8-16 N.C. x 2-1/4" (ENGINE CYLINDER BLOCK VENTILATOR) (NOTE ④)	1	1	1	1	1	1
		NOTE - ④ - NOT USED WITH SPECIAL CRANKCASE VENTILATOR - SEE GROUP 0107F						



GROUP 01—ENGINE



FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0101A—CYLINDER HEAD AND BREATHER								
01-1	60 836 H	BREATHER, ENGINE, ASSEMBLY (OPTIONAL WITH 67 990 H) (NOTE (H))	2	2	2	2	2	2
	67 990 H	BREATHER, ENGINE, ASSEMBLY (OPTIONAL WITH 60 836 H) (NOTE (H))	2	2	2	2	2	2
01-1	89 445 HB	GASKET, ENGINE CYLINDER HEAD (WILL WORK FOR 89 445 HA)	1	1	1	1	1	1
	102 547 H	GASKET SET, ENGINE CYLINDER HEAD	1	1	1	1	1	1
		CONSISTS OF -						
		2 - 66 453 H GASKET, CARBURETOR TO MANIFOLD						
		1 - 89 445 HB GASKET, ENGINE CYLINDER HEAD						
		1 - 41 991 H GASKET, ENGINE CYLINDER HEAD WATER OUTLET						
		HOSE CONNECTION						
		1 - 1 876 Y GASKET, ENGINE EXHAUST AND INTAKE MANIFOLD						
		1 - 62 305 H GASKET, ENGINE INTAKE TO EXHAUST MANIFOLD						
		1 - 86 965 H GASKET, ENGINE INTAKE TO EXHAUST MANIFOLD						
		2 - 84 773 H GASKET, ENGINE VALVE SPRING COVER						
	92 153 H	HEAD, ENGINE CYLINDER (HIGH ALTITUDE FOR GRD-214 AND GRD-214A ENGINES) (NOTE (C))	1	1	1	1		
01-1	142 962 H	HEAD, ENGINE CYLINDER (HIGH ALTITUDE FOR GRD-214 AND GRD-214A ENGINES) (NOTE (D))	1	1	1	1		
	90 414 H	HEAD, ENGINE CYLINDER (NOT HIGH ALTITUDE) (NOTE (C))			1	1		
01-1	104 042 H	HEAD, ENGINE CYLINDER (6.3 TO 1 COMPRESSION RATIO) (NOT HIGH ALTITUDE) (NOTE (D))			1	1		
	79 089 RI	HEAD, ENGINE CYLINDER (6 TO 1 COMPRESSION RATIO) (NOT HIGH ALTITUDE) (NOTE (D))			1	1		
	89 444 H	HEAD, ENGINE CYLINDER (NOT HIGH ALTITUDE) (NOTE (C))					1	1
01-1	104 043 H	HEAD, ENGINE CYLINDER (6.3 TO 1 COMPRESSION RATIO) (NOT HIGH ALTITUDE) (NOTE (D))					1	1
	76 769 RI	HEAD, ENGINE CYLINDER (6 TO 1 COMPRESSION RATIO) (NOT HIGH ALTITUDE) (NOTE (D))					1	1
	96 434 H	HEAD, ENGINE CYLINDER (HIGH ALTITUDE) (NOTE (C))					1	1
01-1	142 963 H	HEAD, ENGINE CYLINDER (HIGH ALTITUDE) (NOTE (D))					1	1
01-1	92 045 H	BOLT, HEX-HD., 7/16"-14 N.C. x 3" (ENGINE CYLINDER HEAD)	21	21	21	21	21	21
01-1	101 524 H	WASHER, PLAIN, S., 15/32" I.D. x 7/8" O.D. x 3/32" THICK (ENGINE CYLINDER HEAD BOLT)	21	21	21	21	21	21
	103 884	PLUG, PIPE, SLOTTED-HD., S., 1/4 IN. (IN CYLINDER HEAD, FOR TRUCKS WITH SPECIAL CRANKCASE VENTILATOR)	2	2	2	2	2	2

0102—CRANKSHAFT AND SPROCKET

01-2	1 784 YK	CRANKSHAFT, ENGINE (STANDARD) (WILL WORK FOR 1 784 YH, YJ)	1	1	1	1		
01-2	60 835 HD	CRANKSHAFT, ENGINE (STANDARD) (WILL WORK FOR 60 835 HB, HC)					1	1
	42 295 HK	CRANKSHAFT, ENGINE (.030" UNDERSIZE) (WILL WORK FOR 42 295 HH, HJ)	1	1	1	1		
	62 420 HD	CRANKSHAFT, ENGINE (.030" UNDERSIZE) (WILL WORK FOR 62 420 HB, HC)					1	1
	141 550 H	CRANKSHAFT, ENGINE (.060" UNDERSIZE)	1	1	1	1		
	141 551 H	CRANKSHAFT, ENGINE (.060" UNDERSIZE)					1	1

NOTE - (C) - FOR ENGINES BELOW GRD - 175 - 1760

NOTE - (D) - FOR ENGINES GRD - 175 - 1760 UP

FOR ENGINES GRD - 175A - 501 UP

FOR ENGINES GRD - 214 - 65429 UP

FOR ENGINES BELOW GRD - 214 - 65429

FOR ENGINES GRD - 214A - 4378 UP

FOR ENGINES BELOW GRD - 214A - 4378

FOR ENGINES GRD - 233 - 63954 UP

FOR ENGINES BELOW GRD - 233 - 63954

FOR ENGINES GRD - 233A - 2029 UP

FOR ENGINES BELOW GRD - 233A - 2029

NOTE - (H) - NOT USED WITH SPECIAL CRANKCASE VENTILATOR - SEE GROUP 0107F



GROUP 01 - ENGINE

FIG. NO.	IHC PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0102—CRANKSHAFT AND SPROCKET —Continued								
01-2	1 786 Y	GEAR, ENGINE CRANKSHAFT (19 TEETH)	1	1	1	1	1	1
01-2	106 751	KEY, WOODRUFF, S., 3/16 x 3/4" (ENGINE CRANKSHAFT GEAR)	1	1	1	1	1	1
	1 866 Y	PACKING, ENGINE CRANKSHAFT (IN FRONT COVER)	1	1	1	1	1	1
	1 867 Y	RETAINER, ENGINE CRANKSHAFT, PACKING <i>AT THE CRANK</i>	1	1	1	1	1	1
01-2	2 960 Y	SHIM, ENGINE CRANKSHAFT THRUST WASHER (.002" THICK)	X	X	X	X	X	X
01-2	1 792 YA	SLINGER, OIL, ENGINE CRANKSHAFT	1	1	1	1	1	1
01-2	1 787 YA	WASHER, THRUST, ENGINE CRANKSHAFT	1	1	1	1	1	1

0102A—CRANKSHAFT BEARINGS AND CAPS

01-1	56 729 HD	BEARING, ENGINE CRANKSHAFT, FRONT (STANDARD SIZE) (TWO HALVES) (WILL WORK FOR 56 729 HA, HB, HC)	1	1	1	1	1	1
	134 971 HAX	BEARING, ENGINE CRANKSHAFT, FRONT (.002" UNDERSIZE) (TWO HALVES)	1	1	1	1	1	1
	56 730 HD	BEARING, ENGINE CRANKSHAFT, FRONT (.010" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 56 730 HA, HB, HC)	1	1	1	1	1	1
	56 731 HD	BEARING, ENGINE CRANKSHAFT, FRONT (.020" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 56 731 HA, HB, HC)	1	1	1	1	1	1
	56 732 HD	BEARING, ENGINE CRANKSHAFT, FRONT (.030" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 56 732 HA, HB, HC)	1	1	1	1	1	1
	71 533 R9I	BEARING, ENGINE CRANKSHAFT, FRONT (.040" UNDERSIZE) (TWO HALVES)	1	1	1	1	1	1
	56 733 HD	BEARING, ENGINE CRANKSHAFT, FRONT (.060" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 56 733 HA, HB, HC)	1	1	1	1	1	1
01-1	1 727 YC	BEARING, ENGINE CRANKSHAFT, REAR (STANDARD SIZE) (TWO HALVES) (WILL WORK FOR 1 727 YB)	1	1	1	1	1	1
	134 350 HX	BEARING, ENGINE CRANKSHAFT, REAR (.002" UNDERSIZE) (TWO HALVES)	1	1	1	1	1	1
	1 728 YC	BEARING, ENGINE CRANKSHAFT, REAR (.010" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 1 728 YB)	1	1	1	1	1	1
	50 279 HC	BEARING, ENGINE CRANKSHAFT, REAR (.020" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 50 279 HB)	1	1	1	1	1	1
	1 729 YC	BEARING, ENGINE CRANKSHAFT, REAR (.030" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 1 729 YB)	1	1	1	1	1	1
	71 530 R9I	BEARING, ENGINE CRANKSHAFT, REAR (.040" UNDERSIZE) (TWO HALVES)	1	1	1	1	1	1
	51 068 HC	BEARING, ENGINE CRANKSHAFT, REAR (.060" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 51 068 HB)	1	1	1	1	1	1
01-1	1 707 YC	BEARING, ENGINE CRANKSHAFT, SECOND (STANDARD SIZE) (TWO HALVES) (WILL WORK FOR 1 707 YB)	1	1	1	1	1	1
	134 884 HX	BEARING, ENGINE CRANKSHAFT, SECOND (.002" UNDERSIZE) (TWO HALVES)	1	1	1	1	1	1
	1 708 YC	BEARING, ENGINE CRANKSHAFT, SECOND (.010" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 1 708 YB)	1	1	1	1	1	1
	50 273 HC	BEARING, ENGINE CRANKSHAFT, SECOND (.020" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 50 273 HB)	1	1	1	1	1	1
	1 709 YC	BEARING, ENGINE CRANKSHAFT, SECOND (.030" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 1 709 YB)	1	1	1	1	1	1
	71 544 R9I	BEARING, ENGINE CRANKSHAFT, SECOND (.040" UNDERSIZE) (TWO HALVES)	1	1	1	1	1	1
	51 062 HC	BEARING, ENGINE CRANKSHAFT, SECOND (.060" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 51 062 HB)	1	1	1	1	1	1
01-1	1 717 YC	BEARING, ENGINE CRANKSHAFT, THIRD (STANDARD SIZE) (WILL WORK FOR 1 717 YB)	1	1	1	1	1	1
	134 874 HX	BEARING, ENGINE CRANKSHAFT, THIRD (.002" UNDERSIZE) (TWO HALVES)	1	1	1	1	1	1
	1 718 YC	BEARING, ENGINE CRANKSHAFT, THIRD (.010" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 1 718 YB)	1	1	1	1	1	1
	50 276 HC	BEARING, ENGINE CRANKSHAFT, THIRD (.020" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 50 276 HB)	1	1	1	1	1	1

X - AS REQUIRED



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0102A—CRANKSHAFT BEARINGS AND CAPS—Continued								
	1 719 YC	BEARING, ENGINE CRANKSHAFT, THIRD (.030" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 1 719 YB)	1	1	1	1	1	1
	71 547 R91	BEARING, ENGINE CRANKSHAFT, THIRD (.040" UNDERSIZE) (TWO HALVES)	1	1	1	1	1	1
	51 065 HC	BEARING, ENGINE CRANKSHAFT, THIRD (.060" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 51 065 HB)	1	1	1	1	1	1
	26 166 HO	BEARING SET, ENGINE CRANKSHAFT (STANDARD SIZE)	1	1	1	1	1	1
		CONSISTS OF -						
	1 56 729 HD	BEARING, ENGINE CRANKSHAFT, FRONT						
	1 1 727 YC	BEARING, ENGINE CRANKSHAFT, REAR						
	1 1 707 YC	BEARING, ENGINE CRANKSHAFT, SECOND						
	1 1 717 YC	BEARING, ENGINE CRANKSHAFT, THIRD						
	71 759 R91	BEARING SET, ENGINE CRANKSHAFT (.002" UNDERSIZE)	1	1	1	1	1	1
		CONSISTS OF -						
	1 134 971 HAX	BEARING, ENGINE CRANKSHAFT, FRONT						
	1 134 350 HX	BEARING, ENGINE CRANKSHAFT, REAR						
	1 134 884 HX	BEARING, ENGINE CRANKSHAFT, SECOND						
	1 134 874 HX	BEARING, ENGINE CRANKSHAFT, THIRD						
	26 167 HO	BEARING SET, ENGINE CRANKSHAFT (.010" UNDERSIZE)	1	1	1	1	1	1
		CONSISTS OF -						
	1 56 730 HD	BEARING, ENGINE CRANKSHAFT, FRONT						
	1 1 728 YC	BEARING, ENGINE CRANKSHAFT, REAR						
	1 1 708 YC	BEARING, ENGINE CRANKSHAFT, SECOND						
	1 1 718 YC	BEARING, ENGINE CRANKSHAFT, THIRD						
	26 168 HO	BEARING SET, ENGINE CRANKSHAFT (.020" UNDERSIZE)	1	1	1	1	1	1
		CONSISTS OF -						
	1 56 731 HD	BEARING, ENGINE CRANKSHAFT, FRONT						
	1 50 279 HC	BEARING, ENGINE CRANKSHAFT, REAR						
	1 50 273 HC	BEARING, ENGINE CRANKSHAFT, SECOND						
	1 50 276 HC	BEARING, ENGINE CRANKSHAFT, THIRD						
	55 232 R91	BEARING SET, ENGINE CRANKSHAFT (.030" UNDERSIZE)	1	1	1	1	1	1
		CONSISTS OF -						
	1 56 732 HD	BEARING, ENGINE CRANKSHAFT, FRONT						
	1 1 729 YC	BEARING, ENGINE CRANKSHAFT, REAR						
	1 1 709 YC	BEARING, ENGINE CRANKSHAFT, SECOND						
	1 1 719 YC	BEARING, ENGINE CRANKSHAFT, THIRD						
	71 754 R91	BEARING SET, ENGINE CRANKSHAFT (.040" UNDERSIZE)	1	1	1	1	1	1
		CONSISTS OF -						
	1 71 533 R91	BEARING, ENGINE CRANKSHAFT, FRONT						
	1 71 530 R91	BEARING, ENGINE CRANKSHAFT, REAR						
	1 71 544 R91	BEARING, ENGINE CRANKSHAFT, SECOND						
	1 71 547 R91	BEARING, ENGINE CRANKSHAFT, THIRD						
	55 233 R91	BEARING SET, ENGINE CRANKSHAFT (.060" UNDERSIZE)	1	1	1	1	1	1
		CONSISTS OF -						
	1 56 733 HD	BEARING, ENGINE CRANKSHAFT, FRONT						
	1 51 068 HC	BEARING, ENGINE CRANKSHAFT, REAR						
	1 51 062 HC	BEARING, ENGINE CRANKSHAFT, SECOND						
	1 51 065 HC	BEARING, ENGINE CRANKSHAFT, THIRD						



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0102A—CRANKSHAFT BEARINGS AND CAPS—Continued								
01-1	96 711 H	CAP, ENGINE CRANKSHAFT FRONT BEARING	1	1	1	1	1	1
01-1	99 042 HAX	CAP, ENGINE CRANKSHAFT REAR BEARING, W/DRAIN TUBE, ASSEMBLY	1	1	1	1	1	1
01-1	96 712 H	CAP, ENGINE CRANKSHAFT SECOND BEARING	1	1	1	1	1	1
01-1	96 713 H	CAP, ENGINE CRANKSHAFT THIRD BEARING	1	1	1	1	1	1
01-1	1 735 Y	BOLT, 1/2-13 N.C. x 2-1/2", HEX-HD., OLD. F/LKG-WIRE (ENGINE CRANKSHAFT BEARING CAP) (OPTIONAL WITH 95 692 H)	10	10	10	10	10	10
	95 692 H	BOLT, 1/2-13 N.C. x 2-1/2", HEX-HD., SELF-LOCKING (ENGINE CRANKSHAFT BEARING CAP) (OPTIONAL WITH 1 735 Y) (NOTE ⑥)	10	10	10	10	10	10
	82 953 H	WIRE, .063" DIAM. x 6" LGH. (LOCKING, ENGINE CRANKSHAFT BEARING CAP BOLT) (REAR BEARING) (FOR 1 735 Y ONLY)	2	2	2	2	2	2
	1 740 Y	WIRE, .063" DIAM. x 10-1/2" LGH. (LOCKING, ENGINE CRANKSHAFT BEARING CAP BOLT) (NOT REAR BEARING) (FOR 1 735 Y ONLY)	3	3	3	3	3	3
01-1	72 146 RI	PACKING, ENGINE CRANKSHAFT REAR BEARING CAP (WILL WORK FOR 1 738 Y)	2	2	2	2	2	2
	112 011	PIN, STGHT., S., 1/8 x 7/8" (ENGINE CRANKSHAFT REAR BEARING CAP DRAIN TUBE)	1	1	1	1	1	1
01-1	1 737 YA	TUBE, DRAIN, ENGINE CRANKSHAFT REAR BEARING CAP (ALSO SEE 55 026 HX)						
		(WILL WORK FOR 1 737 Y)	1	1	1	1	1	1
	55 026 HX	VALVE, DRAIN, ENGINE CRANKSHAFT REAR BEARING CAP, ASSEMBLY (SPECIAL)	1	1	1	1	1	1

0102B—CRANKSHAFT PULLEY AND DAMPER

01-2	68 546 H	DAMPER, VIBRATION, ENGINE CRANKSHAFT					1	1
01-2	94 891 H	SCREW, CAP, HEX-HD., 5/16"-18 N.C. x 1/2" (ENGINE CRANKSHAFT VIBRATION DAMPER)					6	6
01-2	116 120	WASHER, LOCK, REG., S., PARKERIZED, 5/16" (ENGINE CRANKSHAFT VIBRATION DAMPER SCREW)					6	6
01-2	106 751	KEY, WOODRUFF, S., 3/16 x 3/4" (ENGINE FAN DRIVE PULLEY)	1	1	1	1	1	1
01-2	41 266 HB	NUT, ENGINE CRANKSHAFT	1	1	1	1	1	1
01-2	57 359 H	NUT, ENGINE CRANKSHAFT						1
	103 668	PIN, DOWEL, S., 3/16 x 1/2" (ENGINE CRANKSHAFT VIBRATION DAMPER)					1	
	11 093 H	PIN, DOWEL, S., 3/16 x 11/16" (ENGINE CRANKSHAFT VIBRATION DAMPER)						1
01-2	88 614 HA	PULLEY, ENGINE FAN DRIVE (OPTIONAL WITH 97 039 H)	1	1	1	1		
	97 039 H	PULLEY, ENGINE FAN DRIVE (OPTIONAL WITH 88 614 HA)	1	1	1	1		
01-2	88 601 HA	PULLEY, ENGINE FAN DRIVE					1	1
	95 144 H	PULLEY, ENGINE FAN DRIVE, W/DAMPER, ASSEMBLY					1	1
	51 450 H	WASHER, LOCK, INTERNAL TEETH, REG., 1" (ENGINE CRANKSHAFT NUT) (SHAKEPROOF No. 1236)					1	1

0103—PISTONS

01-3	91 807 HAX	PISTON, ENGINE, W/PIN, ASSEMBLY (STANDARD SIZE)	6	6				
	94 882 HAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.005" OVERSIZE)	6	6				
	94 883 HAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.010" OVERSIZE)	6	6				
	94 884 HAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.020" OVERSIZE)	6	6				
	94 885 HAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.030" OVERSIZE)	6	6				
	94 886 HAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.040" OVERSIZE)	6	6				

NOTE - ⑥ - THE FOLLOWING ENGINES HAD CAPSCREW 88 911 H, LOCKWIRE 1 740 Y, AND LOCKWIRE 82 953 H

INSTEAD OF SELF-LOCKING CAPSCREW 95 692 H -

GRD - 175 - 966 TO GRD - 175 - 987

GRD - 175A - 521 UP

GRD - 214 - 20957 TO GRD - 214 - 21698

GRD - 214A - 803 TO GRD - 214A - 856

GRD - 233 - 9526 TO GRD - 233 - 9931

GRD - 233A - 581 TO GRD - 233A - 603.



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0103—PISTONS—Continued								
01-3	1 797 YAX	PISTON, ENGINE, W/PIN, ASSEMBLY (STANDARD SIZE) (ORDER 68 778 R11) (FOR ENGINES BELOW GRD-214-119274, GRD-214A-9464)			6	6		
	1 798 YAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.005" OVERSIZE) (ORDER 68 776 R11) (FOR ENGINES BELOW GRD-214-119274, GRD-214A-9464)			6	6		
	1 799 YAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.010" OVERSIZE) (ORDER 68 778 R11) (FOR ENGINES BELOW GRD-214-119274, GRD-214A-9464)			6	6		
	1 800 YAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.020" OVERSIZE) (ORDER 68 778 R11) (FOR ENGINES BELOW GRD-214-119274, GRD-214A-9464)			6	6		
	1 801 YAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.030" OVERSIZE) (ORDER 68 778 R11) (FOR ENGINES BELOW GRD-214-119274, GRD-214A-9464)			6	6		
	1 802 YAX	PISTON, ENGINE, W/PIN, ASSEMBLY (.040" OVERSIZE) (ORDER 68 778 R11) (FOR ENGINES BELOW GRD-214-119274, GRD-214A-9464)			6	6		
	97 702 HX	PISTON, ENGINE, W/PIN, ASSEMBLY (.060" OVERSIZE) (ORDER 68 778 R11) (FOR ENGINES BELOW GRD-214-119274, GRD-214A-9464)			6	6		
	68 778 R11	PISTON, ENGINE, W/PIN, ASSEMBLY (SEMI-FINISHED) (WILL WORK FOR 1 797 YAX, 1 798 YAX, 1 799 YAX, 1 800 YAX, 1 801 YAX, 1 802 YAX, 97 702 HX) (FOR ENGINES BELOW GRD-214-119274, GRD-214A-9464)			6	6		
	62 220 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (STANDARD SIZE) (FOR ENGINES GRD-214-119274 UP, GRD-214A-9464 UP) (WILL WORK FOR 62 220 R11)			6	6		
	62 221 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.005" OVERSIZE) (FOR ENGINES GRD-214-119274 UP, GRD-214A-9464 UP) (WILL WORK FOR 62 221 R11)			6	6		
	62 222 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.010" OVERSIZE) (FOR ENGINES GRD-214-119274 UP, GRD-214A-9464 UP) (WILL WORK FOR 62 222 R11)			6	6		
	62 223 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.020" OVERSIZE) (FOR ENGINES GRD-214-119274 UP, GRD-214A-9464 UP) (WILL WORK FOR 62 223 R11)			6	6		
	62 224 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.030" OVERSIZE) (FOR ENGINES GRD-214-119274 UP, GRD-214A-9464 UP) (WILL WORK FOR 62 224 R11)			6	6		
	62 225 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.040" OVERSIZE) (FOR ENGINES GRD-214-119274 UP, GRD-214A-9464 UP) (WILL WORK FOR 62 225 R11)			6	6		
	62 227 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.060" OVERSIZE) (FOR ENGINES GRD-214-119274 UP, GRD-214A-9464 UP) (WILL WORK FOR 62 227 R11)						
01-3	61 231 HX	PISTON, ENGINE, W/PIN, ASSEMBLY (STANDARD SIZE) (ORDER 55 231 R11) (FOR ENGINES BELOW GRD-233-143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100) (FOR ENGINES GRD-233A-501 UP)					6	6
	61 232 HX	PISTON, ENGINE, W/PIN, ASSEMBLY (.005" OVERSIZE) (ORDER 55 231 R11) (FOR ENGINES BELOW GRD-233-143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100) (FOR ENGINES GRD-233A-501 UP)					6	6
	61 233 HX	PISTON, ENGINE, W/PIN, ASSEMBLY (.010" OVERSIZE) (ORDER 55 231 R11) (FOR ENGINES BELOW GRD-233-143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100) (FOR ENGINES GRD-233A-501 UP)					6	6
	61 234 HX	PISTON, ENGINE, W/PIN, ASSEMBLY (.020" OVERSIZE) (ORDER 55 231 R11) (FOR ENGINES BELOW GRD-233-143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100) (FOR ENGINES GRD-233A-501 UP)					6	6



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0103—PISTONS—Continued								
	61 235 HX	PISTON, ENGINE, W/PIN, ASSEMBLY (.030" OVERSIZE) (ORDER 55 231 R11) (FOR ENGINES BELOW GRD-233-143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100) (FOR ENGINES GRD-233A-501 UP)					6	6
	61 236 HX	PISTON, ENGINE, W/PIN, ASSEMBLY (.040" OVERSIZE) (ORDER 55 231 R11) (FOR ENGINES BELOW GRD-233-143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100) (FOR ENGINES GRD-233A-501 UP)					6	6
	57 704 HX	PISTON, ENGINE, W/PIN, ASSEMBLY (.060" OVERSIZE) (ORDER 55 231 R11) (FOR ENGINES BELOW GRD-233-143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100) (FOR ENGINES GRD-233A-501 UP)					6	6
	55 231 R11	PISTON, ENGINE, W/PIN, ASSEMBLY (SEMI-FINISHED) (WILL WORK FOR 61 231 HX, 61 232 HX, 61 233 HX, 61 234 HX, 61 235 HX, 61 236 HX, 97 704 HX) (FOR ENGINES BELOW GRD-233-143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100) (FOR ENGINES GRD-233A-501 UP)					6	6
	61 711 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (STANDARD SIZE) (FOR ENGINES GRD-233-143767 UP, ALSO FOR GRD-233-143001 TO 143095 AND 143097 TO 143100) (WILL WORK FOR 61 711 R11)					6	
	61 712 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.005" OVERSIZE) (FOR ENGINES GRD-233-143767 UP, ALSO FOR GRD-233-143001 TO 143095 AND 143097 TO 143100) (WILL WORK FOR 61 712 R11)					6	
	61 713 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.010" OVERSIZE) (FOR ENGINES GRD-233-143767 UP, ALSO FOR GRD-233-143001 TO 143095 AND 143097 TO 143100) (WILL WORK FOR 61 713 R11)					6	
	61 714 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.020" OVERSIZE) (FOR ENGINES GRD-233-143767 UP, ALSO FOR GRD-233-143001 TO 143095 AND 143097 TO 143100) (WILL WORK FOR 61 714 R11)					6	
	61 715 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.030" OVERSIZE) (FOR ENGINES GRD-233-143767 UP, ALSO FOR GRD-233-143001 TO 143095 AND 143097 TO 143100) (WILL WORK FOR 61 715 R11)					6	
	61 716 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.040" OVERSIZE) (FOR ENGINES GRD-233-143767 UP, ALSO FOR GRD-233-143001 TO 143095 AND 143097 TO 143100) (WILL WORK FOR 61 716 R11)					6	
	61 718 R21	PISTON, ENGINE, W/PIN, ASSEMBLY (.060" OVERSIZE) (FOR ENGINES GRD-233-143767 UP, ALSO FOR GRD-233-143001 TO 143095 AND 143097 TO 143100) (WILL WORK FOR 61 718 R11)					6	

0103A—PISTON RINGS

01-3	79 554 H	RING, COMPRESSION, ENGINE PISTON (STANDARD SIZE FOR TOP GROOVE) (PERFECT CIRCLE, TYPE 200)	6	6				
	79 556 H	RING, COMPRESSION, ENGINE PISTON (.020" OVERSIZE FOR TOP GROOVE) (PERFECT CIRCLE, TYPE 200)	6	6				
	79 557 H	RING, COMPRESSION, ENGINE PISTON (.030" OVERSIZE FOR TOP GROOVE) (PERFECT CIRCLE, TYPE 200)	6	6				
	79 558 H	RING, COMPRESSION, ENGINE PISTON (.040" OVERSIZE FOR TOP GROOVE) (PERFECT CIRCLE, TYPE 200)	6	6				



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0103A—PISTON RINGS—Continued								
01-3	75 127 H	RING, COMPRESSION, ENGINE PISTON (STANDARD SIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70)	12	12				
	75 129 H	RING, COMPRESSION, ENGINE PISTON (.020" OVERSIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70)	12	12				
	75 130 H	RING, COMPRESSION, ENGINE PISTON (.030" OVERSIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70)	12	12				
	75 131 H	RING, COMPRESSION, ENGINE PISTON (.040" OVERSIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70)	12	12				
01-3	1 807 Y	RING, COMPRESSION, ENGINE PISTON (STANDARD SIZE) (PERFECT CIRCLE, PLAIN) (NOTE (A) AND (B))			18	18	6	6
	1 810 Y	RING, COMPRESSION, ENGINE PISTON (.020" OVERSIZE) (PERFECT CIRCLE, PLAIN) (NOTE (A) AND (B))			18	18	6	6
	1 811 Y	RING, COMPRESSION, ENGINE PISTON (.030" OVERSIZE) (PERFECT CIRCLE, PLAIN) (NOTE (A) AND (B))			18	18	6	6
	1 812 Y	RING, COMPRESSION, ENGINE PISTON (.040" OVERSIZE) (PERFECT CIRCLE, PLAIN) (NOTE (A) AND (B))			18	18	6	6
	97 851 H	RING, COMPRESSION, ENGINE PISTON (.060" OVERSIZE) (PERFECT CIRCLE, PLAIN) (NOTE (A) AND (B))			18	18	6	6
	86 437 H	RING, COMPRESSION, ENGINE PISTON (STANDARD SIZE FOR TOP GROOVE) (PERFECT CIRCLE TYPE 200-K) (NOTE (C))			6	6	6	
	61 745 RI	RING, COMPRESSION, ENGINE PISTON (.020" OVERSIZE FOR TOP GROOVE) (PERFECT CIRCLE TYPE 200-K) (NOTE (C))			6	6	6	
	61 746 RI	RING, COMPRESSION, ENGINE PISTON (.030" OVERSIZE FOR TOP GROOVE) (PERFECT CIRCLE TYPE 200-K) (NOTE (C))			6	6	6	
	61 747 RI	RING, COMPRESSION, ENGINE PISTON (.040" OVERSIZE FOR TOP GROOVE) (PERFECT CIRCLE TYPE 200-K) (NOTE (C))			6	6	6	
	61 749 RI	RING, COMPRESSION, ENGINE PISTON (.060" OVERSIZE FOR TOP GROOVE) (PERFECT CIRCLE TYPE 200-K) (NOTE (C))			6	6	6	

NOTE - (A) - FIRST, SECOND AND THIRD GROOVES FOR ENGINES GRD-214 AND 214A AND TOP GROOVE FOR ENGINES GRD-233 AND 233A

NOTE - (B) - FOR ENGINES BELOW GRD - 214 - 119274
FOR ENGINES BELOW GRD - 214A - 9464
FOR ENGINES BELOW GRD - 233 - 143767 EXCEPT
143001 TO 143095 AND 143097 TO 143100
FOR ENGINES BELOW GRD - 233A - 501 UP

NOTE - (C) - FOR ENGINES GRD - 214 - 119274 UP
FOR ENGINES GRD - 214 A - 9464 UP
FOR ENGINES GRD - 233 - 143767 UP,
ALSO FOR GRD - 233 - 143001 TO
143095 AND 143097 TO 143100



GROUP 01—ENGINE

FIG. NO.	IHC PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 176	GRD 176A	GRD 214	GRD 214A	GRD 233	GRD 233A
0103A—PISTON RINGS—Continued								
01-3	70 591 H	RING, COMPRESSION, ENGINE PISTON (STANDARD SIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70) (NOTE ①)			12	12	12	12
	70 593 H	RING, COMPRESSION, ENGINE PISTON (.020" OVERSIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70) (NOTE ①)			12	12	12	12
	70 594 H	RING, COMPRESSION, ENGINE PISTON (.030" OVERSIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70) (NOTE ①)			12	12	12	12
	70 595 H	RING, COMPRESSION, ENGINE PISTON (.040" OVERSIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70) (NOTE ①)			12	12	12	12
	97 852 H	RING, COMPRESSION, ENGINE PISTON (.060" OVERSIZE FOR 2ND. AND 3RD. GROOVES) (PERFECT CIRCLE, TYPE 70) (NOTE ①)			12	12	12	12
01-3	75 132 H	RING, OIL, ENGINE PISTON (STANDARD SIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE 85)	6	6				
	75 134 H	RING, OIL, ENGINE PISTON (.020" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE 85)	6	6				
	75 135 H	RING, OIL, ENGINE PISTON (.030" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE 85)	6	6				
	75 136 H	RING, OIL, ENGINE PISTON (.040" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE 85)	6	6				
01-3	50 903 HA	RING, OIL, ENGINE PISTON (STANDARD SIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE WS-85-1) (WILL WORK FOR 50 903 H)			6	6		
	50 906 HA	RING, OIL, ENGINE PISTON (.020" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE WS-85-1) (WILL WORK FOR 50 906 H)			6	6		
	50 907 HA	RING, OIL, ENGINE PISTON (.030" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE WS-85-1) (WILL WORK FOR 50 907 H)			6	6		
	50 908 HA	RING, OIL, ENGINE PISTON (.040" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE WS-85-1) (WILL WORK FOR 50 908 H)			6	6		
	97 853 HA	RING, OIL, ENGINE PISTON (.060" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE WS-85-1) (WILL WORK FOR 97 853 H)			6	6		
01-3	70 579 H	RING, OIL, ENGINE PISTON (STANDARD SIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE TYPE GX) (NOTE ②)					6	6
	70 581 H	RING, OIL, ENGINE PISTON (.020" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ②)					6	6
	70 582 H	RING, OIL, ENGINE PISTON (.030" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ②)					6	6
	70 583 H	RING, OIL, ENGINE PISTON (.040" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ②)					6	6
	97 854 H	RING, OIL, ENGINE PISTON (.060" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ②)					6	6
NOTE - ① - FOR ENGINES GRD - 214 - 119274 UP FOR ENGINES GRD - 214A - 9464 UP FOR ENGINES GRD - 233 - 501 UP FOR ENGINES GRD - 233A - 501 UP			NOTE - ② - FOR ENGINES BELOW GRD - 233 - 143767, EXCEPT 143001 TO 143095 AND 143097 TO 143100 FOR ENGINES GRD - 233A - 501 UP					



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GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0103A—PISTON RINGS —Continued								
	64 801 RI	RING, OIL, ENGINE PISTON (STANDARD SIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ⑦)						6
	64 802 RI	RING, OIL, ENGINE PISTON (.020" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ⑦)						6
	64 803 RI	RING, OIL, ENGINE PISTON (.030" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ⑦)						6
	64 804 RI	RING, OIL, ENGINE PISTON (.040" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ⑦)						6
	64 806 RI	RING, OIL, ENGINE PISTON (.060" OVERSIZE FOR BOTTOM GROOVE) (PERFECT CIRCLE, TYPE GX) (NOTE ⑦)						6
	122 125 HA	RING SET, ENGINE PISTON (STANDARD SIZE) CONSISTS OF - 6 - 79 554 H RING, COMPRESSION, ENGINE PISTON 12 - 75 127 H RING, COMPRESSION, ENGINE PISTON 6 - 80 885 H RING, OIL, ENGINE PISTON	1	1				
	122 129 H	RING SET, ENGINE PISTON (STANDARD SIZE) (NOTE ⑧) CONSISTS OF - 6 - 77 340 H RING, COMPRESSION, ENGINE PISTON 12 - 70 591 H RING, COMPRESSION, ENGINE PISTON 6 - 70 579 H RING, OIL, ENGINE PISTON			1	1	1	1
	61 825 R91	RING SET, ENGINE PISTON (STANDARD SIZE) (NOTE ③ AND ④) CONSISTS OF - 6 86 437 H RING, COMPRESSION, ENGINE PISTON 12 70 591 H RING, COMPRESSION, ENGINE PISTON 6 64 801 RI RING, OIL, ENGINE PISTON			1	1	1	
	122 126 HA	RING SET, ENGINE PISTON (.020" OVERSIZE) CONSISTS OF - 6 - 79 556 H RING, COMPRESSION, ENGINE PISTON 12 - 75 129 H RING, COMPRESSION, ENGINE PISTON 6 - 80 886 H RING, OIL, ENGINE PISTON	1	1				
	122 130 H	RING SET, ENGINE PISTON (.020" OVERSIZE) (NOTE ⑧) CONSISTS OF - 6 - 77 342 H RING, COMPRESSION, ENGINE PISTON 12 - 70 593 H RING, COMPRESSION, ENGINE PISTON 6 - 70 581 H RING, OIL, ENGINE PISTON			1	1	1	1
NOTE - ③ - FOR ENGINES BELOW GRD - 214 - 119274 FOR ENGINES BELOW GRD - 214A - 9464 FOR ENGINES BELOW GRD - 233 - 143767 EXCEPT 143001 TO 143095 AND 143097 TO 143100 FOR ENGINES BELOW GRD - 233A - 501 UP			NOTE - ④ - FOR ENGINES GRD - 214 - 119274 UP FOR ENGINES GRD - 214A - 9464 UP FOR ENGINES GRD - 233 - 143767 UP, ALSO FOR GRD - 233 - 143001 TO 143095 AND 143097 TO 143100					
NOTE - ⑦ - FOR ENGINES GRD - 233 - 143767 UP, ALSO FOR GRD - 233 - 143001 TO 143095 AND 143097 TO 143100			NOTE - ④ - ALSO FOR SEMI-FINISHED CAST IRON PISTONS 68778 R11 AND 55231 R11					



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0103A—PISTON RINGS—Continued								
	61 826 R91	RING SET, ENGINE PISTON (.020" OVERSIZE) (NOTE ③ AND ④)			1	1	1	
		CONSISTS OF -						
	6 61 745 RI	RING, COMPRESSION, ENGINE PISTON						
	12 70 593 H	RING, COMPRESSION, ENGINE PISTON						
	6 64 802 RI	RING, OIL, ENGINE PISTON						
	55 327 R91	RING SET, ENGINE PISTON (.030" OVERSIZE) (NOTE ③)			1	1	1	1
		CONSISTS OF -						
	6 55 404 RI	RING, COMPRESSION, ENGINE PISTON						
	12 70 594 H	RING, COMPRESSION, ENGINE PISTON						
	6 70 582 H	RING, OIL, ENGINE PISTON						
	61 827 R91	RING SET, ENGINE PISTON (.030" OVERSIZE) (NOTE ③ AND ④)			1	1	1	
		CONSISTS OF -						
	6 61 746 RI	RING, COMPRESSION, ENGINE PISTON						
	12 70 594 H	RING, COMPRESSION, ENGINE PISTON						
	6 64 803 RI	RING, OIL, ENGINE PISTON						
	55 328 R91	RING SET, ENGINE PISTON (.040" OVERSIZE) (NOTE ③)			1	1	1	1
		CONSISTS OF -						
	6 55 405 RI	RING, COMPRESSION, ENGINE PISTON						
	12 70 595 H	RING, COMPRESSION, ENGINE PISTON						
	6 70 583 H	RING, OIL, ENGINE PISTON						
	61 828 R91	RING SET, ENGINE PISTON (.040" OVERSIZE) (NOTE ③ AND ④)			1	1	1	
		CONSISTS OF -						
	6 61 747 RI	RING, COMPRESSION, ENGINE PISTON						
	12 70 595 H	RING, COMPRESSION, ENGINE PISTON						
	6 64 804 RI	RING, OIL, ENGINE PISTON						
	55 330 R91	RING SET, ENGINE PISTON (.060" OVERSIZE) (NOTE ③)			1	1	1	1
		CONSISTS OF -						
	6 55 407 RI	RING, COMPRESSION, ENGINE PISTON						
	12 97 852 H	RING, COMPRESSION, ENGINE PISTON						
	6 97 854 H	RING, OIL, ENGINE PISTON						
	61 830 R91	RING SET, ENGINE PISTON (.060" OVERSIZE) (NOTE ③ AND ④)			1	1	1	
		CONSISTS OF -						
	6 61 749 RI	RING, COMPRESSION, ENGINE PISTON						
	12 97 852 H	RING, COMPRESSION, ENGINE PISTON						
	6 64 806 RI	RING, OIL, ENGINE PISTON						
NOTE - ③ - FOR ENGINES BELOW GRD - 214 - 119274			NOTE - ④ - FOR ENGINES GRD - 214 - 119274 UP					
FOR ENGINES BELOW GRD - 214A - 9464			FOR ENGINES GRD - 214A - 9464 UP					
FOR ENGINES BELOW GRD - 233 - 143767 EXCEPT			FOR ENGINES GRD - 233 - 143767 UP,					
143001 TO 143095 AND 143097 TO 143100			ALSO FOR GRD - 233 - 143001 TO					
FOR ENGINES BELOW GRD - 233A - 501 UP			143095 AND 143097 TO 143100					
NOTE - ④ - ALSO FOR SEMI-FINISHED CAST IRON PISTONS 68778 R11 AND 55231 R11								



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- 46 -



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD	GRD	GRD	GRD	GRD	GRD
			175	175A	214	214A	233	233A
0103B—PISTON PINS								
01-3	50 292 H	BUSHING, ENGINE PISTON PIN (IN CONNECTING ROD)	6	6	6	6	6	6
01-3	75 123 HA	PIN, ENGINE PISTON (STANDARD SIZE)	6	6				
	75 124 HA	PIN, ENGINE PISTON (.003" OVERSIZE)	6	6				
	75 125 HA	PIN, ENGINE PISTON (.005" OVERSIZE)	6	6				
	75 126 HA	PIN, ENGINE PISTON (.008" OVERSIZE)	6	6				
01-3	1 803 YA	PIN, ENGINE PISTON (STANDARD SIZE)			6	6	6	6
	1 804 YA	PIN, ENGINE PISTON (.003" OVERSIZE)			6	6	6	6
	1 805 YA	PIN, ENGINE PISTON (.005" OVERSIZE)			6	6	6	6
	1 806 YA	PIN, ENGINE PISTON (.008" OVERSIZE)			6	6	6	6
01-3	1 819 Y	RETAINER, ENGINE PISTON PIN	12	12	12	12	12	12
0104—CONNECTING RODS								
01-3	75 140 H	BOLT, 7/16"-20 N.F. x 1-1/2", HEX-HD., DLD. F/LKG-WIRE (ENGINE CONNECTING ROD CAP)	12	12				
01-3	64 115 HBX	BOLT, ENGINE CONNECTING ROD CAP, w/NUT, ASSEMBLY (NOTE ③)			12	12	12	12
01-3	1 832 YA	NUT, ENGINE CONNECTING ROD CAP BOLT (NOTE ③)			12	12	12	12
	118 704 HA	BOLT, ENGINE CONNECTING ROD CAP (7/16"-20 N.F. x 1-15/16") (NOTE ④)			12	12	12	
01-3	137 164	PIN, COTTER, S., PARKERIZED, 3/32 x 3/4" (ENGINE CONNECTING ROD CAP BOLT) (NOTE ③)			12	12	12	12
01-3	75 137 HCX	ROD, ENGINE CONNECTING, ASSEMBLY (INCLUDES CAP AND BUSHING) (WILL WORK FOR 75 137 HAX AND HBX)	6	6				
01-3	60 832 HFX	ROD, ENGINE CONNECTING, ASSEMBLY (INCLUDES CAP AND BUSHING) (WILL WORK FOR 60 832 HCX AND HDX AND HEX)			6	6	6	6
	75 141 H	WIRE, .0625" DIAM. x 9" LGH. (LOCKING, ENGINE CONNECTING ROD CAP BOLT)	6	6				
0104A—CONNECTING ROD BEARINGS								
01-3	94 867 HX	BEARING, ENGINE CONNECTING ROD (STANDARD) (TWO HALVES)	6	6				
	94 869 HX	BEARING, ENGINE CONNECTING ROD (.020" UNDERSIZE) (TWO HALVES)	6	6				
	94 870 HX	BEARING, ENGINE CONNECTING ROD (.030" UNDERSIZE) (TWO HALVES)	6	6				
	94 872 HX	BEARING, ENGINE CONNECTING ROD (.060" UNDERSIZE) (TWO HALVES)	6	6				
01-3	94 861 HAX	BEARING, ENGINE CONNECTING ROD (STANDARD) (TWO HALVES) (WILL WORK FOR 94 861 HX)			6	6	6	6
	131 899 HX	BEARING, ENGINE CONNECTING ROD (.002" UNDERSIZE) (TWO HALVES)			6	6	6	6
	94 863 HAX	BEARING, ENGINE CONNECTING ROD (.020" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 94 863 HX)			6	6	6	6
	94 864 HAX	BEARING, ENGINE CONNECTING ROD (.030" UNDERSIZE) (TWO HALVES) (WILL WORK FOR 94 864 HX)			6	6	6	6
	71 519 RII	BEARING, ENGINE CONNECTING ROD (.040" UNDERSIZE) (2 HALVES)			6	6	6	6
NOTE - ③ - FOR ENGINES BELOW GRD - 214 - 135760 EXCEPT 135443 TO 135494 AND 135661 TO 135698 FOR ENGINES BELOW GRD - 214A - 11916 FOR ENGINES BELOW GRD - 233 - 157614 EXCEPT 157270 TO 157395 AND 157582 TO 157595 FOR ENGINES GRD - 233A - 501 UP			NOTE - ④ - FOR ENGINES GRD - 214 - 135760 UP, ALSO, GRD - 214 - 135443 TO 135494 AND 135661 TO 135698 FOR ENGINES GRD - 214A - 11916 UP FOR ENGINES GRD - 233 - 157614 UP, ALSO FOR GRD - 233 - 157270 TO 157395 AND 157582 TO 157595					



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRB 214A	GRD 233	GRD 233A
0104A—CONNECTING ROD BEARINGS —Continued								
	71 732 R91	BEARING SET, ENGINE CONNECTING ROD (STANDARD SIZE)			1	1	1	1
		CONSISTS OF -						
		6 94 861 HAX BEARING, ENGINE CONNECTING ROD						
	71 733 R91	BEARING SET, ENGINE CONNECTING ROD (.002" UNDERSIZE)			1	1	1	1
		CONSISTS OF -						
		6 131 899 HX BEARING, ENGINE CONNECTING ROD						
	71 734 R91	BEARING SET, ENGINE CONNECTING ROD (.010" UNDERSIZE)			1	1	1	1
		CONSISTS OF -						
		6 26 171 HO BEARING, ENGINE CONNECTING ROD						
	71 735 R91	BEARING SET, ENGINE CONNECTING ROD (.020" UNDERSIZE)			1	1	1	1
		CONSISTS OF -						
		6 94 863 HAX BEARING, ENGINE CONNECTING ROD						
	71 736 R91	BEARING SET, ENGINE CONNECTING ROD (.030" UNDERSIZE)			1	1	1	1
		CONSISTS OF -						
		6 94 864 HAX BEARING, ENGINE CONNECTING ROD						
	71 737 R91	BEARING SET, ENGINE CONNECTING ROD (.040" UNDERSIZE)			1	1	1	1
		CONSISTS OF -						
		6 71 519 R11 BEARING, ENGINE CONNECTING ROD						
	94 866 HAX	BEARING, ENGINE CONNECTING ROD (.060" UNDERSIZE) (TWO HALVES)						
		(WILL WORK FOR 94 866 HX)			6	6	6	6

0105—VALVES, SPRINGS AND GUIDES

01-4	48 066 H	CUP, ENGINE VALVE SPRING	12	12	12	12	12	12
01-4	50 280 HA	GUIDE, ENGINE EXHAUST VALVE STEM <i>90314N</i>	6	6	6	6	6	6
01-4	50 281 HA	GUIDE, ENGINE INTAKE VALVE STEM <i>90313R1</i>	6	6	6	6	6	6
01-4	48 067 H	RETAINER, ENGINE VALVE SPRING	24	24	24	24	24	24
01-4	53 493 H	SEAT, ENGINE EXHAUST VALVE (STANDARD SIZE) (WILL WORK FOR 1 691 Y)	6	6	6	6	6	6
	52 635 HA	SEAT, ENGINE EXHAUST VALVE (.030" OVERSIZE) (WILL WORK FOR 50 250 HA)	6	6	6	6	6	6
01-4	52 982 H	SPRING, ENGINE VALVE	12	12	12	12	12	12
01-4	80 171 HC	VALVE, ENGINE, EXHAUST (STANDARD SIZE) (ALSO SEE 63 124 R1) (WILL WORK FOR 80 171 HB)	6	6	6	6	6	6
	80 172 HC	VALVE, ENGINE, EXHAUST (.010" OVERSIZE) (WILL WORK FOR 80 172 HB)	6	6	6	6	6	6
	80 173 HC	VALVE, ENGINE, EXHAUST (.020" OVERSIZE) (WILL WORK FOR 80 173 HB)	6	6	6	6	6	6
	63 124 R2	VALVE, ENGINE, EXHAUST (STELLITE FACE) (WILL WORK FOR 63 124 R1)	6	6	6	6	6	6
01-4	48 060 HB	VALVE, ENGINE, INTAKE (STANDARD SIZE) (WILL WORK FOR 48 060 HA)	6	6	6	6	6	6
	48 061 HB	VALVE, ENGINE, INTAKE (.010" OVERSIZE) (WILL WORK FOR 48 061 HA)	6	6	6	6	6	6
	48 062 HB	VALVE, ENGINE, INTAKE (.020" OVERSIZE) (WILL WORK FOR 48 062 HA)	6	6	6	6	6	6



GROUP 01 - ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
O105A—VALVE TAPPETS								
01-4	1 855 YB	NUT, LOCK, HEX., 3/8"-24 N.F. (ENGINE VALVE TAPPET ADJUSTING SCREW) (NOTE ①)	12	12	12	12	12	12
01-4	1 858 YA	SCREW, ADJUSTING, ENGINE VALVE TAPPET (NOTE ①)	12	12	12	12	12	12
	74 546 H	SCREW, ADJUSTING, ENGINE VALVE TAPPET (NOTE ①)			12	12	12	
01-4	74 547 HA	TAPPET, ENGINE VALVE, W/SCREW (STANDARD SIZE) (WILL WORK FOR 1 852 YB)	12	12	12	12	12	12
	65 354 R91	TAPPET, ENGINE VALVE, W/SCREW (.003" OVERSIZE) (WILL WORK FOR 1 853 YB)	12	12	12	12	12	12
	65 355 R91	TAPPET, ENGINE VALVE, W/SCREW (.005" OVERSIZE) (WILL WORK FOR 1 854 YB)	12	12	12	12	12	12
O105B—VALVE COVER AND GASKET								
01-1	94 554 H	COVER, ENGINE VALVE SPRING	2	2	2	2	2	2
01-1	82 740 H	SCREW, HANGER-PT., HEX-HD., 5/16"-18 N.C. x 3-1/2" (ENGINE VALVE SPRING COVER) (ONLY 3 USED ON K-1-M, K-3-M TRUCKS WITH OIL FILTER)	4	4	4	4	4	4
01-1	84 773 H	GASKET, ENGINE VALVE SPRING COVER	2	2	2	2	2	2
O106—CAMSHAFT								
01-4	1 833 YD	CAMSHAFT, ENGINE	1	1	1	1	1	1
01-4	55 684 H	PLUNGER, THRUST, ENGINE CAMSHAFT	1	1	1	1	1	1
01-4	55 683 H	SPRING, ENGINE CAMSHAFT THRUST PLUNGER	1	1	1	1	1	1
01-4	1 836 Y	WASHER, THRUST, ENGINE CAMSHAFT	1	1	1	1	1	1
O106A—CAMSHAFT BUSHING								
01-4	1 741 YB	BUSHING, ENGINE CAMSHAFT, FRONT (WILL WORK FOR 1 741 YA)	1	1	1	1	1	1
O106B—CAMSHAFT SPROCKET AND CHAIN								
01-4	3 003 Y	CHAIN, DRIVE, ENGINE CAMSHAFT GEAR (OPTIONAL WITH 1 840 YA) (WHITNEY NO. A-1994)	1	1	1	1	1	1
	1 840 YA	CHAIN, DRIVE, ENGINE CAMSHAFT GEAR (OPTIONAL WITH 3 003 Y) (LINK BELT NO. TWXS-31886)	1	1	1	1	1	1
01-4	1 834 Y	GEAR, ENGINE CAMSHAFT (38 TEETH)	1	1	1	1	1	1
01-4	82 754 H	PLATE, LOCK, ENGINE CAMSHAFT GEAR SCREW	1	1	1	1	1	1
01-4	71 498 HA	SCREW, CAP, HEX-HD., HEAT TREATED, 3/8"-24 N.F. x 1-1/4" (ENGINE CAMSHAFT GEAR)	4	4	4	4	4	4
O106C—FRONT COVER								
01-14	95 633 H	COVER, ENGINE FRONT, ASSEMBLY (INCLUDES OIL SEAL)	1	1	1	1	1	1
01-14	121 523	NUT, REGULAR, HEX., S., PARKERIZED, 5/16"-24 N.F. (ENGINE FRONT COVER SCREW)	4	4	4	4	4	4
01-14	182 685	SCREW, CAP, HEX-HD., S., PARKERIZED, 5/16"-24 N.F. x 5/8" (ENGINE FRONT COVER)	4	4	4	4	4	4
01-14	181 111	SCREW, CAP, HEX-HD., S., PARKERIZED, 3/8"-16 N.C. x 7/8" (ENGINE FRONT COVER)	5	5	5	5	5	5
01-14	115 093	WASHER, LOCK, REG., 3/8" S., PARKERIZED, 3/8" (ENGINE FRONT COVER SCREW)	2	2	2	2	2	2
01-14	1 863 Y	GASKET, ENGINE FRONT COVER	1	1	1	1	1	1
NOTE - ① - FOR ENGINES GRD - 175 - 501 UP FOR ENGINES GRD - 175A - 501 UP FOR ENGINES BELOW GRD - 214 - 179715 FOR ENGINES BELOW GRD - 214A - 17218 FOR ENGINES BELOW GRD - 233 - 188772 FOR ENGINES GRD - 233A - 501 UP			NOTE - ② - FOR ENGINES GRD - 214 - 179715 UP FOR ENGINES GRD - 214A - 17218 UP FOR ENGINES GRD - 233 - 188772 UP					



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107—OIL PUMP AND FLOAT								
01-6	1 512 YA	BODY, ENGINE OIL PUMP	1	1	1	1	1	1
01-6	1 518 YAX	COVER, ENGINE OIL PUMP BODY, w/PIN, ASSEMBLY	1	1	1	1	1	1
01-6	132 201	SCREW, MACHINE, OVAL-FIL-HD., S., PARKERIZED, No. 12-24 N.C. x 3/4" (ENGINE OIL PUMP BODY COVER)	2	2	2	2	2	2
01-6	116 119	WASHER, LOCK, REG., S., PARKERIZED, No. 12 (ENGINE OIL PUMP BODY COVER SCREW)	2	2	2	2	2	2
01-6	1 531 YA	FLOAT, ENGINE OIL PUMP, ASSEMBLY	1	1	1	1	1	1
01-6	1 519 Y	GASKET, ENGINE OIL PUMP BODY COVER	1	1	1	1	1	1
01-6	1 524 Y	GASKET, ENGINE OIL PUMP FLOAT SUPPORT	1	1	1	1	1	1
01-6	1 522 Y	GASKET, ENGINE OIL PUMP TO CRANKCASE	1	1	1	1	1	1
01-6	1 520 YA	GEAR, SPIRAL, ENGINE OIL PUMP SHAFT	1	1	1	1	1	1
01-6	106 745	KEY, WOODRUFF, 1/8 x 1/2" (ENGINE OIL PUMP SHAFT SPIRAL GEAR)	1	1	1	1	1	1
01-6	137 195	PIN, COTTER, S., PARKERIZED, 1/8 x 1-1/4" (ENGINE OIL PUMP FLOAT)	1	1	1	1	1	1
01-6	1 563 H	PIN, ENGINE OIL PUMP PINION	1	1	1	1	1	1
01-6	1 521 Y	PIN, STGHT., COLD-FIN., S., 5/32 x 31/32" (ENGINE OIL PUMP SHAFT SPIRAL GEAR)	1	1	1	1	1	1
01-6	44 224 HB	PINION, ENGINE OIL PUMP	1	1	1	1	1	1
01-6	1 512 YFX	PUMP, OIL, ENGINE, ASSEMBLY	1	1	1	1	1	1
01-6	181 097	SCREW, CAP, HEX-HD., S., PARKERIZED, 5/16"-18 N.C. x 2-1/4" (ENGINE OIL PUMP TO CRANKCASE)	2	2	2	2	2	2
01-6	121 367	WASHER, LOCK, HV., S., PARKERIZED, 5/16" (ENGINE OIL PUMP TO CRANKCASE SCREW)	2	2	2	2	2	2
01-6	44 255 HB	SHAFT, ENGINE OIL PUMP, w/ROTOR, ASSEMBLY	1	1	1	1	1	1
01-6	1 523 YA	SUPPORT, ENGINE OIL PUMP FLOAT	1	1	1	1	1	1
01-6	181 086	SCREW, CAP, HEX-HD., S., PARKERIZED, 5/16"-18 N.C. x 3/4" (ENGINE OIL PUMP FLOAT SUPPORT)	2	2	2	2	2	2
01-6	116 120	WASHER, LOCK, REG., S., PARKERIZED, 5/16" (ENGINE OIL PUMP FLOAT SUPPORT SCREW)	2	2	2	2	2	2
0107A—OIL PAN								
01-5	1 783 Y	GASKET, ENGINE OIL PAN	1	1	1	1	1	1
01-5	3 405 H	GASKET, ENGINE OIL PAN DRAIN PLUG	1	1	1	1	1	1
01-5	1 773 YFX	PAN, ENGINE OIL, ASSEMBLY (INCLUDES DRAIN PLUG)	1	1	1	1	1	1
01-5	92 942 HAX	PAN, ENGINE OIL, ASSEMBLY (INCLUDES DRAIN PLUG)						1
01-5	181 081	SCREW, CAP, HEX-HD., S., PARKERIZED, 5/16"-18 N.C. x 7/16" (ENGINE OIL PAN)	23	23	23	23	23	23
01-5	22 910 V	WASHER, PLAIN, S., 21/64" I.D. x 5/8" O.D. x .0478" THICK (ENGINE OIL PAN SCREW)	2	2	2	2	2	2
01-5	41 300 HA	PLUG, DRAIN, 7/8"-18 x 1-1/8" HEX-HD., (ENGINE OIL PAN)	1	1	1	1	1	1



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107B—OIL LEVEL GAUGE AND FILLER								
	93 150 H	ADAPTER, ENGINE OIL FILLER AND BREATHER (FOR TRUCKS WITH SPECIAL CRANKCASE VENTILATOR)						
	105 527 HX	ADAPTER, ENGINE OIL FILLER AND BREATHER, w/TUBE, ASSEMBLY (FOR TRUCKS WITH SPECIAL CRANKCASE VENTILATOR)						
	112 438 H	BODY, ENGINE OIL FILLER						
	427 316	NUT, REG., HEX., S., PARKERIZED, 5/16"-18 N.C. (ENGINE OIL FILLER BODY SCREW)						4
	181 084	SCREW, CAP, HEX-HD., S., PARKERIZED, 5/16" - 18 N.C. x 5/8" (ENGINE OIL FILLER BODY)						4
	116 120	WASHER, LOCK, REG., S., PARKERIZED, 5/16" (ENGINE OIL FILLER BODY SCREW)						4
	61 261 H	CAP, ENGINE OIL FILLER						1
	57 308 H	CAP, FILLER, ENGINE OIL LEVEL GAUGE						
	91 406 HA	CLAMP, HOSE, ENGINE OIL FILLER						2
	68 428 H	GASKET, ENGINE OIL FILLER BODY						1
	57 807 H	GASKET, ENGINE OIL LEVEL GAUGE (ALSO LISTED IN GROUP 0605)						1
01-5	78 946 H	GAUGE, ENGINE OIL LEVEL (NOT FOR TRUCKS WITH SPECIAL CRANKCASE VENTILATOR)						
	1 750 YA	GAUGE, ENGINE OIL LEVEL (FOR TRUCKS WITH SPECIAL CRANKCASE VENTILATOR)						
01-5	95 598 H	GAUGE, ENGINE OIL LEVEL						
	72 912 H	GAUGE, ENGINE OIL LEVEL (PAN UNIT) (ALSO LISTED IN GROUP 0605)						1
	132 909	SCREW, MACHINE, RD-HD., S., PARKERIZED, No. 10-32 N.F. x 1/2" (ENGINE OIL LEVEL GAUGE)						5
	50 027 H	WASHER, PLAIN, COP., 13/64" I.D. x 7/16" O.D. x 1/32" THICK (ENGINE OIL LEVEL GAUGE SCREW)						5
	101 574 H	HOSE, ENGINE OIL FILLER						1
	120 614	NUT, MACHINE, SCREW, HEX., S., CD-PLTD., No. 10-32 N.F. (ENGINE OIL LEVEL GAUGE TERMINAL) (ALSO LISTED IN GROUP 0605)						1
	95 599 H	TUBE, ENGINE OIL FILLER (NOT FOR TRUCKS WITH SPECIAL CRANKCASE VENTILATOR)						
	105 524 H	TUBE, ENGINE OIL FILLER (FOR TRUCKS WITH SPECIAL CRANKCASE VENTILATOR)						
	101 572 HX	TUBE, ENGINE OIL FILLER, ASSEMBLY						1
	103 771 HAX	TUBE, ENGINE OIL FILLER, ASSEMBLY (NOT FOR TRUCKS WITH SPECIAL CRANKCASE VENTILATOR) (WILL WORK FOR 103 771 HX)						
	61 262 H	WASHER, ENGINE OIL FILLER CAP						1
	1 932 YA	WASHER, ENGINE OIL LEVEL GAUGE (FELT)						1
	138 534	WASHER, LOCK, INTERNAL TEETH, REG., S., PARKERIZED, No. 10 (ENGINE OIL LEVEL GAUGE TERMINAL NUT) (ALSO LISTED IN GROUP 0605)						1

0107C—OIL RELIEF VALVE

01-5	1 925 YA	PLUNGER, ENGINE OIL RELIEF VALVE						
01-5	59 547 H	RETAINER, ENGINE OIL RELIEF VALVE PLUNGER						
01-5	1 926 Y	SPRING, ENGINE OIL RELIEF VALVE PLUNGER						
01-5	1 928 Y	WASHER, ENGINE OIL RELIEF VALVE PLUNGER RETAINER						



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107D—OIL FILTER (DE LUXE)								
01-9	74 391 H	ADAPTER, ENGINE OIL FILTER INLET TUBE (NOTE ①)	1	1	1	1	1	1
01-7	70 669 HB	BODY, ENGINE OIL FILTER (DELUXE NO. JC-22)	1	1	1	1	1	
01-7	74 388 HX	BODY, ENGINE OIL FILTER (DELUXE NO. CUS-22-23)						1
01-7	75 466 H	BRACKET, ENGINE OIL FILTER BODY (DELUXE NO. JC-91)	2	2	2	2	2	
01-7	74 392 H	BRACKET, ENGINE OIL FILTER BODY (DELUXE NO. CU-35)						2
01-7	124 043	NUT, MACHINE SCREW, SQ., S., PARKERIZED, 5/16"-18 N.C. (ENGINE OIL FILTER BODY BRACKET SCREW)	2	2	2	2	2	2
01-7	133 127	SCREW, MACHINE, RD-HD., S., PARKERIZED, 5/16"-18 N.C. x 2-1/4" (ENGINE OIL FILTER BODY BRACKET)	2	2	2	2	2	
01-7	133 132	SCREW, MACHINE, RD-HD., S., PARKERIZED, 5/16"-18 N.C. x 2-1/2" (ENGINE OIL FILTER BODY BRACKET)						2
01-7	66 161 HC	BRACKET, MOUNTING, ENGINE OIL FILTER	1		1		1	
01-7	102 377 H	BRACKET, MOUNTING, ENGINE OIL FILTER						1
01-7	121 923	NUT, REGULAR, HEX., S., PARKERIZED, 5/16"-24 N.F. (ENGINE OIL FILTER MOUNTING BRACKET SCREW AND STUD)	5	4	5	4	5	4
	427 316	NUT, REGULAR, HEX., S., PARKERIZED, 5/16"-18 N.C. (ENGINE OIL FILTER MOUNTING BRACKET STUD)						2
01-7	182 687	SCREW, CAP, HEX-HD., S., PARKERIZED, 5/16"-24 N.F. x 3/4" (ENGINE OIL FILTER MOUNTING BRACKET)	4	4	4	4	4	4
	1 889 Y	STUD, ENGINE OIL FILTER MOUNTING BRACKET (5/16 x 1")	2		2		2	
	1 752 Y	STUD, ENGINE OIL FILTER MOUNTING BRACKET (5/16 x 4-7/16")						2
01-7	116 120	WASHER, LOCK, REG., S., PARKERIZED, 5/16" (ENGINE OIL FILTER MOUNTING BRACKET SCREW AND STUD)	4	4	4	4	4	6
	118 774	WASHER, PLAIN, S., PARKERIZED, 11/32" I.D. x 11/16" O.D. x 1/16" THICK (ENGINE OIL FILTER MOUNTING BRACKET SCREW AND STUD)		4		4		6
		WASHER, PLAIN, S., 11/32" I.D. x 3/4" O.D. x .0598" THICK (ENGINE OIL FILTER MOUNTING BRACKET SCREW)	4		4		4	
01-7	70 668 H	CAP, PERFORATED, ENGINE OIL FILTER COVER (DELUXE NO. JC-24)	1	1	1	1	1	
01-7	70 688 H	CAP, PERFORATED, ENGINE OIL FILTER COVER (DELUXE NO. CUS-24)						1
01-7	122 275	NUT, JAM, HEX., S., PARKERIZED, 7/16"-20 N.F. (ENGINE OIL FILTER COVER PERFORATED CAP) (OPTIONAL W/NUT, 67 093 R1)	1	1	1	1	1	1
	67 093 R1	NUT, SPEED, SPRG. S., 7/16"-20 N.F. (DE LUXE NO. JCUS-41B) (ENGINE OIL FILTER COVER PERFORATED CAP) (OPTIONAL W/NUT, 122 275)	1	1	1	1	1	1
01-7	70 671 H	CARTRIDGE, ENGINE OIL FILTER (DELUXE NO. JC-25-28)	1	1	1	1	1	
01-7	70 690 H	CARTRIDGE, ENGINE OIL FILTER (DELUXE NO. CUS-25-28)						1
01-9	140 775	CLIP, ENGINE OIL FILTER INLET LINE (AT CYLINDER BLOCK) (NOTE ②)	1		1		1	
01-9	121 923	NUT, REGULAR, HEX., S., PARKERIZED, 5/16"-24 N.F. (ENGINE OIL FILTER INLET LINE CLIP)	1		1		1	
01-9	116 120	WASHER, LOCK, REG., S., PARKERIZED, 5/16" (ENGINE OIL FILTER INLET LINE CLIP)	1		1		1	
NOTE - ① - FOR ENGINES GRD - 175 - 501 UP			NOTE - ② - FOR ENGINES GRD - 175 - 501 UP					
FOR ENGINES GRD - 175A - 501 UP			FOR ENGINES BELOW GRD - 214 - 76451					
FOR ENGINES BELOW GRD - 214 - 76451			FOR ENGINES BELOW GRD - 233 - 104210					
FOR ENGINES GRD - 214A - 501 UP								
FOR ENGINES BELOW GRD - 233 - 104210								
FOR ENGINES GRD - 233A - 501 UP								



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107D—OIL FILTER (DE LUXE)—Continued								
01-9	66 160 H	CLIP, ENGINE OIL FILTER INLET LINE (AT EXHAUST MANIFOLD) (NOTE ③)	1		1		1	1
	121 908	NUT, REGULAR, HEX., S., PARKERIZED, 1/4"-28 N.F. (ENGINE OIL FILTER INLET LINE CLIP SCREW)	1		1		1	1
	182 647	SCREW, CAP, HEX-HD., S., PARKERIZED, 1/4"-28 N.F. x 1/2" (ENGINE OIL FILTER INLET LINE CLIP)	1		1		1	1
	115 109	WASHER, LOCK, REG., S., PARKERIZED, 1/4" (ENGINE OIL FILTER INLET LINE CLIP SCREW)	1		1		1	1
	137 341	CLIP, ENGINE OIL FILTER INLET LINE (AT STARTER SPRING)						1
	178 405	SCREW, SELF-TAPPING, RD-HD., S., CD-PLTD., 1/4"-20 N.C. x 3/8" (ENGINE OIL FILTER INLET LINE CLIP)						1
01-7	70 664 H	COVER, ENGINE OIL FILTER (DELUXE No. JCUS-21) (WILL WORK FOR 70 687 H)	1	1	1	1	1	1
01-9	121 339	ELBOW, FLARED TUBE, BR., 3/16", 1/8" MALE PIPE END (ENGINE OIL FILTER INLET LINE) (ONLY 1 USED FOR ENGINES GRD - 214 - 76451 UP, GRD - 233 - 104210 UP)	2		2		2	
01-9	118 754	ELBOW, FLARED TUBE, BR., 5/16", 1/8" MALE PIPE END (ENGINE OIL FILTER OUTLET LINE)	2		2		2	
01-9	113 754	ELBOW, FLARED TUBE, BR., 5/16", 1/8" MALE PIPE END (ENGINE OIL FILTER INLET AND OUTLET LINE)		3		3		2
	66 157 HC	FILTER, OIL, ENGINE, ASSEMBLY (DELUXE No. JGA-103)	1	1	1	1	1	
	73 113 HA	FILTER, OIL, ENGINE, ASSEMBLY (DELUXE No. CU)						1
01-7	70 667 H	GASKET, ENGINE OIL FILTER COVER (DELUXE No. JCUS-30)	1	1	1	1	1	1
01-9	66 163 HB	LINE, ENGINE OIL FILTER INLET (S., BUNDY WELD, 3/16" O.D. x 33" LONG, WITH TWO 144 307 H NUTS) (NOTE ③)	1		1		1	
	57 775 R11	LINE, ENGINE OIL FILTER INLET (S., BUNDY WELD, 3/16" O.D. x 9-1/2" LONG, WITH TWO 144 307 NUTS) (NOTE ③)			1		1	
01-9	93 763 H	LINE, ENGINE OIL FILTER INLET (S., BUNDY WELD, 3/16" O.D. x 32" LONG, WITH TWO 144 307 NUTS).						1.
NOTE - ③ - FOR ENGINE GRD - 175 - 501 UP FOR ENGINES BELOW GRD - 214 - 76451 FOR ENGINES BELOW GRD - 233 - 104210			NOTE - ③ - FOR ENGINES GRD - 175 - 501 UP FOR ENGINES BELOW GRD - 214 - 76451 FOR ENGINES BELOW GRD - 233 - 104210 FOR ENGINES GRD - 233A - 501 UP					
NOTE - ④ - FOR ENGINES GRD - 214 - 76451 UP FOR ENGINES GRD - 233 - 104210 UP								



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107D—OIL FILTER (DE LUXE) —Continued								
01-9	51 729 VX	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER INLET AND OUTLET) (14-3/4" LONG)	2		2			
01-9	22 176 VX	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (15-1/2" LONG) (OPTIONAL WITH 85 949 H AND 91 032 H)						1
	85 949 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (15-1/2" LONG) (OPTIONAL WITH 22 176 VX AND 91 032 H)						1
	91 032 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (15-1/2" LONG) (OPTIONAL WITH 22 176 VX AND 85 949 H)						1
01-9	52 690 VX	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (16" LONG) (OPTIONAL WITH 87 554 H AND 91 033 H)	1		1		1	
	87 554 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (16" LONG) (OPTIONAL WITH 52 690 VX AND 91 033 H)	1		1		1	
	91 033 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (16" LONG) (OPTIONAL WITH 52 690 VX AND 87 554 H)	1		1		1	
01-9	144 307	NUT, FLARED TUBE, BR., 3/16" (ENGINE OIL FILTER INLET LINE)	2		2		2	2
01-7	74 390 H	PLUG, ENGINE OIL FILTER DRAIN (DELUXE NO. CU-29)	1	1	1	1	1	1
	92 142 HA	REINFORCEMENT, ENGINE OIL FILTER		2		2		
01-7	70 665 H	SCREW, ENGINE OIL FILTER COVER (DELUXE NO. JCUS-32-34)	1	1	1	1	1	1
	92 141 H	SCREW, 5/16"-18 N.C. x 3-1/2", HEX-HD., DLD., HANGER-PT (ENGINE OIL FILTER RETURN AND VALVE COVER)		1		1		
	68 776 H	SPACER, ENGINE OIL FILTER INLET LINE CLIP (AT CYLINDER BLOCK)	1		1		1	
01-9	68 776 H	SPACER, ENGINE OIL FILTER MOUNTING BRACKET	1		1		1	
	93 761 H	SPACER, ENGINE OIL FILTER MOUNTING BRACKET						2
01-9	89 609 H	TUBE, FLEXIBLE, ENGINE OIL FILTER INLET (NOTE ③)	1		1		1	1
	120 703	UNION, FLARED TUBE, BR., 3/16", 1/8" MALE PIPE END (ENGINE OIL FILTER INLET LINE) (NOTE ④)			1		1	
	118 749	UNION, FLARED TUBE, BR., 5/16", 1/8" MALE PIPE END (ENGINE OIL FILTER OUTLET LINE)		1		1		
01-7	70 666 H	WASHER, ENGINE OIL FILTER COVER SCREW (DELUXE NO. JCUS-31)	1	1	1	1	1	1
NOTE - ③ - FOR ENGINES GRD - 175 - 501 UP			NOTE - ④ - FOR ENGINES GRD - 214 - 76451 UP					
FOR ENGINES BELOW GRD - 214 - 76451			FOR ENGINES GRD - 233 - 104210 UP.					
FOR ENGINES BELOW GRD - 233 - 104210								
FOR ENGINES GRD - 233 A - 501 UP								



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107E—OIL FILTER (MICHIANA)								
01-9	74 391 H	ADAPTER, ENGINE OIL FILTER INLET TUBE (NOTE A)	1	1	1	1	1	1
01-8	102 360 HX	BODY, ENGINE OIL FILTER (MICHIANA No. SA-15003-2)	1	1	1	1	1	
01-8	95 582 HX	BODY, ENGINE OIL FILTER (MICHIANA No. SA-15003-7)						1
01-8	66 161 HC	BRACKET, MOUNTING, ENGINE OIL FILTER	1		1		1	
01-8	102 377 H	BRACKET, MOUNTING, ENGINE OIL FILTER						1
01-8	121 923	NUT, REGULAR, HEX., S., PARKERIZED, 5/16"-24 N.F. (ENGINE OIL FILTER MOUNTING BRACKET SCREW AND STUD)	5	4	5	4	5	4
01-8	427 316	NUT, REGULAR, HEX., S., PARKERIZED, 5/16"-18 N.C. (ENGINE OIL FILTER MOUNTING BRACKET STUD)						2
01-8	182 687	SCREW, CAP, HEX-HD., S., PARKERIZED, 5/16"-24 N.F. x 3/4" (ENGINE OIL FILTER MOUNTING BRACKET)						
	1 889 Y	STUD, ENGINE OIL FILTER MOUNTING BRACKET (5/16 x 1")	4	4	4	4	4	4
	1 752 Y	STUD, ENGINE OIL FILTER MOUNTING BRACKET (5/16 x 4-7/16")	2		2		2	
01-8	116 120	WASHER, LOCK, REG., S., PARKERIZED, (ENGINE OIL FILTER MOUNTING BRACKET SCREW AND STUD)						
			4	4	4	4	4	6
	118 774	WASHER, PLAIN, S., PARKERIZED, 11/32" I.D. x 11/16" O.D. x 1/16" THICK (ENGINE OIL FILTER MOUNTING BRACKET SCREW AND STUD)						
			4	4	4	4	4	6
01-8	52 629 H	CARTRIDGE, ENGINE OIL FILTER (MICHIANA No. SA-15117)	1	1	1	1	1	1
01-9	140 775	CLIP, ENGINE OIL FILTER INLET LINE (AT CYLINDER BLOCK) (NOTE B)	1		1		1	
01-9	121 923	NUT, REGULAR, HEX., S., PARKERIZED, 5/16"-24 N.F. (ENGINE OIL FILTER INLET LINE CLIP)						
			1		1		1	
01-9	116 120	WASHER, LOCK, REG., S., PARKERIZED, (ENGINE OIL FILTER INLET LINE CLIP)	1		1		1	
01-9	66 160 H	CLIP, ENGINE OIL FILTER INLET LINE (AT EXHAUST MANIFOLD) (NOTE C)	1		1		1	1
	121 908	NUT, REGULAR, HEX., S., PARKERIZED, 1/4"-28 N.F. (ENGINE OIL FILTER INLET LINE CLIP SCREW)						
			1		1		1	1
	182 647	SCREW, MACHINE, RD-HD., S., PARKERIZED, 1/4"-28 N.F. x 1/2" (ENGINE OIL FILTER INLET LINE CLIP)						
			1		1		1	1
	115 109	WASHER, LOCK, REG., S., PARKERIZED, 1/4" (ENGINE OIL FILTER INLET LINE CLIP SCREW)						
			1		1		1	1
	137 541	CLIP, ENGINE OIL FILTER INLET LINE (AT STARTER SPRING)						1
	178 405	SCREW, SELF-TAPPING, RD-HD., S., CD-PLTD., 1/4-20 N.C. x 3/8" (ENGINE OIL FILTER INLET LINE CLIP)						1
NOTE - A - FOR ENGINES GRD - 175 - 501 UP			NOTE - B - FOR ENGINES GRD - 175 - 501 UP					
FOR ENGINES GRD - 175A - 501 UP			FOR ENGINES BELOW GRD - 214 - 76451					
FOR ENGINES BELOW GRD - 214 - 76451			FOR ENGINES BELOW GRD - 233 - 104210					
FOR ENGINES GRD - 214A - 501 UP								
FOR ENGINES BELOW GRD - 233 - 104210								
FOR ENGINES GRD - 233A - 501 UP								



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107E—OIL FILTER (MICHIANA) —Continued								
01-8	95 583 H	COVER, ENGINE OIL FILTER (MICHIANA No. 15030-2)	1	1	1	1	1	1
	95 583 HX	COVER, ENGINE OIL FILTER, W/SCREW, ASSEMBLY (MICHIANA No. SA-15030-2)	1	1	1	1	1	1
01-9	121 339	ELBOW, FLARED TUBE, BR., 3/16", 1/8" MALE PIPE END (ENGINE OIL FILTER INLET LINE) (ONLY ONE USED FOR ENGINES GRD - 214 - 76451 UP, GRD - 233 - 104210 UP)	2		2		2	2
01-9	118 754	ELBOW, FLARED TUBE, BR., 5/16", 1/8" MALE PIPE END (ENGINE OIL FILTER OUTLET LINE)	2		2		2	2
01-9	118 754	ELBOW, FLARED TUBE, BR., 5/16", 1/8" MALE PIPE END (ENGINE OIL FILTER INLET AND OUTLET LINE)		3		3		
	93 765 H	FILTER, OIL, ENGINE, ASSEMBLY (MICHIANA No. 15100-7)						1
	97 789 H	FILTER, OIL, ENGINE, ASSEMBLY (MICHIANA No. 15100-2)	1	1	1	1	1	
01-8	95 584 H	GASKET, ENGINE OIL FILTER COVER (MICHIANA No. 15004-2)	1	1	1	1	1	1
01-8	95 586 H	GASKET, ENGINE OIL FILTER COVER SCREW (MICHIANA No. 15506)	1	1	1	1	1	1
01-9	66 163 HB	LINE, ENGINE OIL FILTER INLET (S., BUNDY WELD, 3/16" O.D. x 33" LONG, WITH TWO 144 307 NUTS) (NOTE ⑧)	1		1		1	
	57 776 RII	LINE, ENGINE OIL FILTER INLET (S., BUNDY WELD, 3/16" O.D. x 7-3/4" LONG WITH TWO 144 307 NUTS) (NOTE ⑨)			1		1	
01-9	93 763 H	LINE, ENGINE OIL FILTER INLET (S., BUNDY WELD, 3/16" O.D. x 32" LONG WITH TWO 144 307 NUTS)						1
01-9	51 729 VX	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER INLET AND OUTLET) (14-3/4" LONG)		2		2		
01-9	22 176 VX	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (15-1/2" LONG) (OPTIONAL WITH 85 949 H AND 91 032 H)						1
	85 949 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (15-1/2" LONG) (OPTIONAL WITH 22 176 VX AND 91 032 H)						1
	91 032 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (15-1/2" LONG) (OPTIONAL WITH 22 176 VX AND 85 949 H)						1
01-9	52 690 VX	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (16" LONG) (OPTIONAL WITH 87 554 H AND 91 033 H) (NOT FOR FIRST FEW TRUCKS)	1		1		1	
	87 554 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (16" LONG) (OPTIONAL WITH 52 690 VX AND 91 033 H) (NOT FOR FIRST FEW TRUCKS)	1		1		1	
	91 033 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (16" LONG) (OPTIONAL WITH 52 690 VX AND 87 554 H) (NOT FOR FIRST FEW TRUCKS)	1		1		1	
NOTE - ⑧ - FOR ENGINES GRD - 175 - 501 UP			NOTE - ⑨ - FOR ENGINES GRD - 214 - 76451 UP					
FOR ENGINES BELOW GRD - 214 - 76451			FOR ENGINES GRD - 233 - 104210 UP					
FOR ENGINES BELOW GRD - 233 - 104210								



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107E—OIL FILTER (MICHIANA)—Continued								
	52 691 VX	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (17-1/2" LONG) (OPTIONAL WITH 87 555 H AND 91 034 H) (FOR FIRST FEW TRUCKS)	1		1		1	
	87 555 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (17-1/2" LONG) (OPTIONAL WITH 52 691 VX AND 91 034 H) (FOR FIRST FEW TRUCKS)	1		1		1	
	91 034 H	LINE, FLEXIBLE, OIL, ASSEMBLY (ENGINE OIL FILTER OUTLET) (17-1/2" LONG) (OPTIONAL WITH 52 691 VX AND 87 555 H) (FOR FIRST FEW TRUCKS)	1		1		1	
01-8	95 587 H	NUT, ENGINE OIL FILTER COVER SCREW (MICHIANA No. 15014)	1	1	1	1	1	1
01-9	144 307	NUT, FLARED TUBE, BR., 3/16" (ENGINE OIL FILTER INLET LINE)	2		2		2	2
	92 142 HA	REINFORCEMENT, ENGINE OIL FILTER		2		2		
01-8	95 585 HX	SCREW, ENGINE OIL FILTER COVER (MICHIANA No. SA-15405)	1	1	1	1	1	1
	92 141 H	SCREW, 5/16"-18 N.C. x 3-1/2" HEX-HD., DLD., HANGER-PT. (ENGINE OIL FILTER RETURN AND VALVE COVER)		1		1		
01-9	68 776 H	SPACER, ENGINE OIL FILTER INLET LINE CLIP (AT CYLINDER BLOCK)	1		1		1	
01-8	68 776 H	SPACER, ENGINE OIL FILTER MOUNTING BRACKET	1		1		1	
	93 761 H	SPACER, ENGINE OIL FILTER MOUNTING BRACKET						2
01-9	89 609 H	TUBE, FLEXIBLE, ENGINE OIL FILTER INLET (NOTE ©)	1		1		1	1
	120 703	UNION, FLARED TUBE, BR., 3/16", 1/8" MALE PIPE END (ENGINE OIL FILTER INLET LINE) (NOTE ①)			1		1	
	118 749	UNION, FLARED TUBE, BR., 5/16", 1/8" MALE PIPE END (ENGINE OIL FILTER OUTLET LINE)		1		1		
0107F—CRANKCASE VENTILATOR—Special								
01-16	131 502 HX	BASE, ENGINE BREATHER, ASSEMBLY (DONALDSON No. P5159)	1	1	1	1	1	
01-16	131 491 H	BODY, ENGINE BREATHER, ASSEMBLY (DONALDSON No. P5057)	1	1	1	1	1	
	84 368 HA	BREATHER, ENGINE, ASSEMBLY (OIL TYPE) (DONALDSON No. C277)	1	1	1	1	1	
01-16	131 499 HX	CUP, OIL, ENGINE BREATHER, ASSEMBLY (DONALDSON No. P5156)	1	1	1	1	1	
	118 754	ELBOW, FLARED TUBE, BR., 5/16", 1/8", MALE PIPE END (VACUUM LINE, AT CRANKCASE VENTILATOR METERING VALVE)	1	1	1	1	1	
01-16	131 498 H	GASKET, ENGINE BREATHER BODY TO OIL CUP (DONALDSON No. P5170)	1	1	1	1	1	
	84 366 H	GASKET, ENGINE CRANKCASE VENTILATOR METERING VALVE	1	1	1	1	1	
	66 453 H	GASKET, ENGINE CRANKCASE VENTILATOR VACUUM LINE ADAPTER PLATE	1	1	1	1	1	
	105 525 H	LINE, VACUUM, ASSEMBLY (ENGINE CRANKCASE VENTILATOR METERING VALVE TO ADAPTER PLATE) (S. BUNDY WELD, 5/16" O.D. x 17-5/8" LGH., WITH TWO 140 381 NUTS)	1		1		1	
	123 613 HX	LINE, VACUUM, ASSEMBLY (ENGINE CRANKCASE VENTILATOR METERING VALVE TO ADAPTER PLATE) (S. BUNDY WELD, 5/16" O.D. x 10-1/4" LGH., WITH TWO 140 381 NUTS)		1		1		
NOTE - © - FOR ENGINES GRD - 175-501 UP			NOTE - ① - FOR ENGINES GRD-214-76451 UP					
FOR ENGINES BELOW GRD-214-76451			FOR ENGINES GRD-233-104210 UP					
FOR ENGINES BELOW GRD-233-104210								
FOR ENGINES GRD-233A-501 UP								



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 176	GRD 176A	GRD 214	GRD 214A	GRD 233	GRD 233A
0107F—CRANKCASE VENTILATOR—Special —Continued								
	140 381	NUT, FLARED TUBE, BR., 5/16" (ENGINE CRANKCASE VENTILATOR VACUUM LINE)	2	2	2	2	2	
	84 369 H	PLATE, ADAPTER, ENGINE CRANKCASE VENTILATOR VACUUM LINE	1	1	1	1	1	
	12 193 RI	SCREW, CAP, HEX-HD., S., PARKERIZED, 3/8"-16 N.C. x 3-1/2" (ENGINE CRANKCASE VENTILATOR METERING VALVE)	1	1	1	1	1	
	118 749	UNION, FLARED TUBE, BR., 5/16", 1/8" MALE PIPE END (VACUUM LINE, AT CRANKCASE VENTILATOR ADAPTER PLATE)	1	1	1	1	1	
	84 365 H	VALVE, METERING, ENGINE CRANKCASE VENTILATOR, ASSEMBLY (DONALDSON No. P3032)	1	1	1	1	1	
	31 167 H	WASHER, PLAIN, COP., 25/64" I.D. x 9/16" O.D. x .050" THICK (ENGINE CRANKCASE VENTILATOR METERING VALVE SCREW)	1	1	1	1	1	
0108—MANIFOLDS								
01-10	60 844 H	CLAMP, ENGINE INTAKE AND EXHAUST MANIFOLD	4	4	4	4	4	4
01-10, 11, 12	1 876 Y	GASKET, ENGINE INTAKE AND EXHAUST MANIFOLD TO CYLINDER BLOCK (OPTIONAL WITH 121 309 HA)	1	1	1	1	1	1
01-10	62 305 H	GASKET, ENGINE INTAKE TO EXHAUST MANIFOLD (FOR DOWN-DRAFT CARBURETOR)	1		1		1	
01-11, 12	86 965 H	GASKET, ENGINE INTAKE TO EXHAUST MANIFOLD (FOR UP-DRAFT CARBURETOR)	1	1	1	1	1	1
	121 309 HA	GASKET SET, ENGINE INTAKE AND EXHAUST MANIFOLD (OPTIONAL WITH 1 876 Y) CONSISTS OF - 1 - 118 961 HA GASKET, ENGINE INTAKE AND EXHAUST MANIFOLD, CENTER 2 - 118 960 HA GASKET, ENGINE INTAKE AND EXHAUST MANIFOLD, FRONT, REAR	1	1	1	1	1	1
01-10	95 068 HB	MANIFOLD, EXHAUST, ENGINE (FOR DOWN-DRAFT CARBURETOR)	1		1		1	
01-11, 12	86 964 H	MANIFOLD, EXHAUST, ENGINE (FOR UP-DRAFT CARBURETOR)	1	1	1	1	1	1
01-10	62 301 HAX	MANIFOLD, INTAKE, ENGINE, W/STUDS, ASSEMBLY (DOWN-DRAFT)	1					
01-10	95 069 HAX	MANIFOLD, INTAKE, ENGINE, W/STUDS, ASSEMBLY (DOWN-DRAFT)			1		1	
01-11	86 963 HBX	MANIFOLD, INTAKE, ENGINE, W/STUDS, ASSEMBLY (UP-DRAFT) (WILL WORK FOR 86 963 HAX)	1	1	1	1		
01-12	101 141 HX	MANIFOLD, INTAKE, ENGINE, W/STUDS, ASSEMBLY (UP-DRAFT)					1	1
01-10	37 684 H	NUT, HEX., DURONZE, 3/8"-24 N.F. (ENGINE INTAKE AND EXHAUST MANIFOLD STUD) (END NUT)	2	2	2	2	2	2
01-10	121 939	NUT, REGULAR, HEX., S., PARKERIZED, 3/8"-24 N.F. (ENGINE INTAKE AND EXHAUST MANIFOLD STUD)	4	4	4	4	4	4
01-10, 11, 12	95 064 HA	PILOT, ENGINE INTAKE MANIFOLD (WILL WORK FOR 95 064 H) (3 USED ON FEW TRUCKS)	2	2	2	2	2	2
	103 867	PLUG, PIPE, SQ-HD., C.I., 3/8" (ENGINE INTAKE MANIFOLD)	1	1	1	1	1	1



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0108—MANIFOLDS —Continued								
01-10	105 581 H	SCREW, CAP, HEX-HD., S., COP-PLTD., 3/8"-16 N.C. x 1-1/4" (ENGINE INTAKE TO EXHAUST MANIFOLD) (FOR DOWN-DRAFT CARBURETOR)			1		1	
01-10	181 116	SCREW, CAP, HEX-HD., S., PARKERIZED, 3/8"-16 N.C. x 1-1/2" (ENGINE EXHAUST MANIFOLD TO CYLINDER BLOCK)	2	2	2	2	2	2
01-11,12	181 126	SCREW, CAP, HEX-HD., S., PARKERIZED, 3/8"-16 N.C. x 2" (ENGINE INTAKE TO EXHAUST MANIFOLD) (FOR UP-DRAFT CARBURETOR)	4	4	4		4	4
01-11	181 127	SCREW, CAP, HEX-HD., S., PARKERIZED, 3/8"-16 N.C. x 2-1/4" (ENGINE INTAKE TO EXHAUST MANIFOLD)				4		
01-10	95 085 H	SCREW, CAP, HEX-HD., S., COP-PLTD., 3/8"-16 N.C. x 3" (ENGINE INTAKE TO EXHAUST MANIFOLD) (FOR DOWN-DRAFT CARBURETOR)	4					
01-10	105 580 H	SCREW, CAP, HEX-HD., S., COP-PLTD., 3/8"-16 N.C. x 3-1/4" (ENGINE INTAKE TO EXHAUST MANIFOLD) (FOR DOWN-DRAFT CARBURETOR)			3		3	
	91 808 HAX	SHIELD, ENGINE MANIFOLD, ASSEMBLY (FOR DOWN-DRAFT CARBURETORS)	1					
	95 066 H	SHIELD, HEAT, ENGINE MANIFOLD, ASSEMBLY (FUEL PUMP) (FOR DOWN-DRAFT CARBURETORS)	1		1		1	
01-10	74 548 H	SPACER, ENGINES INTAKE TO EXHAUST MANIFOLD SCREW			1		1	
01-1	1 887 Y	STUD, 3/8 x 1-5/8" (SHORT) (ENGINE INTAKE AND EXHAUST MANIFOLD TO CYLINDER BLOCK)	2	2	2	2	2	2
01-1	23 375 V	STUD, 3/8 x 1-59/64" (INTERMEDIATE) (ENGINE INTAKE AND EXHAUST MANIFOLD TO CYLINDER BLOCK)	2	2	2	2	2	2
01-1	1 886 Y	STUD, 3/8 x 2-5/8" (LONG) (ENGINE INTAKE AND EXHAUST MANIFOLD TO CYLINDER BLOCK)	2	2	2	2	2	2
	92 057 HA	TUBE, RESTRICTOR, ENGINE INTAKE MANIFOLD (NOT FOR ENGINES WITH GOVERNOR) (FOR DOWN-DRAFT CARBURETORS)	1					
	95 061 H	TUBE, RESTRICTOR, ENGINE INTAKE MANIFOLD (NOT FOR ENGINES WITH GOVERNOR) (FOR DOWN-DRAFT CARBURETORS) (FOR TRUCKS BELOW K-1-80451, K-2-59292, K-3-45338, K-5-121640, KS-5-62592, K-5-B-873)			1		1	
	101 575 H	TUBE, RESTRICTOR, ENGINE INTAKE MANIFOLD (NOT FOR ENGINES WITH GOVERNOR) (FOR UP-DRAFT CARBURETORS)					1	1
01-10	127 507 H	WASHER, CLAMP, ENGINE INTAKE AND EXHAUST MANIFOLD (WILL WORK FOR 1 888 YA)	4	4	4	4	4	4

0109—FLYWHEEL AND RING GEAR

01-13	96 346 HBX	FLYWHEEL, ENGINE, W/RING GEAR, ASSEMBLY (WILL WORK FOR 96 346 HX, HAX)	1	1	1	1	1	1
01-2	98 918 H	BOLT, DOWEL, ENGINE FLYWHEEL TO CRANKSHAFT	2	2	2	2	2	2
01-2	97 824 H	BOLT, HEX-HD., S-FIN., ALLOY-S., 3/8"-24 N.F. x 1-3/16" (ENGINE FLYWHEEL TO CRANKSHAFT)	4	4	4	4	4	4
01-2	69 325 R1	NUT, JAM, HEX., S., PARKERIZED, 1/2"-20 N.F. (ENGINE FLYWHEEL TO CRANKSHAFT BOLT) (REPLACES 122 306, NUT)	2	2	2	2	2	2
01-2	69 324 R1	NUT, JAM, HEX., S., PARKERIZED, 3/8"-24 N.F. (ENGINE FLYWHEEL TO CRANKSHAFT BOLT) (REPLACES 21 937 V, NUT)	4	4	4	4	4	4
01-2	180 491	WASHER, LOCK, INTERNAL TEETH, HV., S., PARKERIZED, 1/2" (ENGINE FLYWHEEL TO CRANKSHAFT BOLT) (USED ONLY W/NUT, 122 306)	2	2	2	2	2	2
01-2	138 544	WASHER, LOCK, INTERNAL TEETH, REG., S., PARKERIZED, 3/8" (ENGINE FLYWHEEL TO CRANKSHAFT BOLT) (USED ONLY W/NUT, 21 937 V)	4	4	4	4	4	4
01-13	95 691 H	GEAR, RING, ENGINE FLYWHEEL (143 TEETH)	1	1	1	1	1	1



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0109A—FLYWHEEL HOUSING								
01-13	96 345 HX	COVER, ENGINE FLYWHEEL HOUSING, BOTTOM, ASSEMBLY (NOT FOR CLUTCH RELEASE BEARING WITH FLEXIBLE GREASE TUBE)	1	1	1	1	1	1
	117 166 HX	COVER, ENGINE FLYWHEEL HOUSING, BOTTOM, ASSEMBLY (FOR CLUTCH RELEASE BEARING WITH FLEXIBLE GREASE TUBE)	1	1	1	1	1	1
01-13	124 060	SCREW, MACHINE, RD-HD., S., PARKERIZED, 1/4"-20 N.C. x 1/2" (ENGINE FLYWHEEL HOUSING BOTTOM COVER)	6	6	6	6	6	6
01-13	131 200	WASHER, LOCK, LGT., S., PARKERIZED, 1/4" (ENGINE FLYWHEEL HOUSING BOTTOM COVER SCREW)	6	6	6	6	6	6
01-13	62 517 H	FELT, ENGINE FLYWHEEL HOUSING BOTTOM COVER	1	1	1	1	1	1
01-13	96 344 H	GASKET, ENGINE FLYWHEEL HOUSING BOTTOM COVER	1	1	1	1	1	1
01-13	96 347 HB	HOUSING, ENGINE FLYWHEEL (WILL WORK FOR 96 347 HA)	1	1	1	1	1	1
01-13	1 770 Y	BOLT, HEX-HD., ALLOY-S., 7/16"-14 N.C. x 1-1/4" (ENGINE FLYWHEEL HOUSING TO CRANKCASE)	4	4	4	4	4	4
	92 045 H	BOLT, HEX-HD., S-FIN., ALLOY-S., 7/16"-14 N.C. x 3" (ENGINE FLYWHEEL HOUSING TO CRANKCASE)	2	2	2	2	2	2
01-13	115 314	WASHER, LOCK, REG., S., PARKERIZED, 7/16" (ENGINE FLYWHEEL TO CRANKCASE)	6	6	6	6	6	6
	103 406	PIN, COTTER, S., 3/16" x 3/4" (ENGINE FLYWHEEL HOUSING BOTTOM COVER)	1	1	1	1	1	1
01-1	54 808 H	PIN, DOWEL, S., .468 x 1" (ENGINE FLYWHEEL HOUSING TO CRANKCASE)	2	2	2	2	2	2

0110—ENGINE FRONT MOUNTING

[illegible]



GROUP 01—ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0110—ENGINE FRONT MOUNTING—Continued								
01-14	61 811 H	GASKET, ENGINE FRONT SUPPORT PLATE	1	1	1	1	1	1
01-15	97 074 H	INSULATOR, ENGINE FRONT MOUNTING, LOWER	2	2	2	2	2	2
01-15	95 152 H	INSULATOR, ENGINE FRONT MOUNTING, UPPER	1	1	1	1	1	1
	144 232 H	NUT, LOCK, HEX., S., PARKERIZED, 3/8"-24 N.F. (ENGINE FRONT MOUNTING BOLT) (NOTE ①)	2	2	2	2	2	2
	121 939	NUT, REG., HEX., S., PARKERIZED, 3/8"-24 N.F. (ENGINE FRONT MOUNTING BOLT) (NOTE ①)	2	2	2	2	2	2
01-15	122 737	NUT, SLOTTED, HEX., S., PARKERIZED, 3/8"-24 N.F. (ENGINE FRONT MOUNTING BOLT) (NOTE ①)	2	2	2	2	2	2
	137 164	PIN, COTTER, S., PARKERIZED, 3/32 x 3/4" (ENGINE FRONT MOUNTING BOLT) (NOTE ①)	2	2	2	2	2	2
01-14	95 600 H	PLATE, ENGINE FRONT SUPPORT	1	1	1	1	1	1
01-14	181 108	SCREW, CAP, HEX-HD., S., PARKERIZED, 3/8"-16 N.C. x 3/4" (ENGINE FRONT SUPPORT PLATE)	2	2	2	2	2	2
01-14	181 160	SCREW, CAP, HEX-HD., S., PARKERIZED, 1/2"-13 N.C. x 7/8" (ENGINE FRONT SUPPORT PLATE)	1	1	1	1	1	1
01-14	115 093	WASHER, LOCK, REG., S., PARKERIZED, 3/8" (ENGINE FRONT SUPPORT PLATE SCREW)	2	2	2	2	2	2
01-14	116 121	WASHER, LOCK, REG., S., PARKERIZED, 1/2" (ENGINE FRONT SUPPORT PLATE SCREW)	1	1	1	1	1	1
01-15	95 146 H	RETAINER, ENGINE FRONT MOUNTING LOWER INSULATOR	2	2	2	2	2	2
01-15	95 151 H	RETAINER, ENGINE FRONT MOUNTING UPPER INSULATOR, BOTTOM	1	1	1	1	1	1
01-15	95 150 H	RETAINER, ENGINE FRONT MOUNTING UPPER INSULATOR, TOP	1	1	1	1	1	1
01-14	1 861 Y	SCREW, 3/8"-16 N.C. x 3/4", SPCL. FL-HD. (ENGINE FRONT SUPPORT PLATE)	1	1	1	1	1	1
01-15	98 951 H	WASHER, ENGINE FRONT MOUNTING BOLT	2	2	2	2	2	2
NOTE - ① - TRUCKS BELOW K-1-28611			NOTE - ② - TRUCKS K-1-28611 UP					
TRUCKS K-1M-501 UP			TRUCKS K-2-14456 UP					
TRUCKS BELOW K-2-14456			TRUCKS K-3-13607 UP					
TRUCKS BELOW K-3-13607			TRUCKS K-5-52984 UP					
TRUCKS K-3M-501 UP			TRUCKS KS-5-24125 UP					
TRUCKS K-4-501 UP			TRUCKS K-5-B-501 UP					
TRUCKS KS-4-501 UP								
TRUCKS BELOW K-5-52984								
TRUCKS BELOW KS-5-24125								
TRUCKS K-5COE-501 UP								
TRUCKS KS-5COE-501 UP								



GROUP 01 - ENGINE

FIG. NO.	I H C PART NUMBER	DESCRIPTION	No. REQUIRED					
			GRD 175	GRD 175A	GRD 214	GRD 214A	GRD 233	GRD 233A
0110A—ENGINE REAR MOUNTING								
01-15	101 128 H	BOLT, HEX-HD., S-FIN., S., DLD. F/C-PIN. 1/2"-20 N.F. x 2-3/4" (ENGINE REAR MOUNTING) (ORDER 182 787 WITH 144 233 H AND 121 972) (NOTE ⑤)						2
01-15	95 155 HA	BOLT, HEX-HD., S-FIN., S., DLD. F/C-PIN., 1/2"-20 N.F. x 3" (ENGINE REAR MOUNTING) (ORDER 182 787 WITH 144 233 H AND 121 972) (NOTE ⑤)	2	2	2	2	2	
01-15	95 148 HA	INSULATOR, ENGINE REAR MOUNTING, LOWER	2	2	2	2	2	2
01-15	95 153 H	INSULATOR, ENGINE REAR MOUNTING, UPPER (NOT FOR K-4, KS-4 TRUCKS)	2	2	2	2		
01-15	102 721 H	INSULATOR, ENGINE REAR MOUNTING, UPPER (FOR K-4, KS-4, K-5, KS-5, K-5-B, K-5-COE, KS-5-COE TRUCKS)			2		2	2
	144 233 H	NUT, LOCK, HEX., S., PARKERIZED, 1/2"-20 N.F. (ENGINE REAR MOUNTING BOLT) (NOTE ⑤)	2	2	2	2	2	2
	121 972	NUT, REG., HEX., S., PARKERIZED, 1/2"-20 N.F. (ENGINE REAR MOUNTING BOLT) (NOTE ⑤)	2	2	2	2	2	2
01-15	122 770	NUT, SLOTTED, HEX., S., PARKERIZED, 1/2"-20 N.F. (ENGINE REAR MOUNTING BOLT) (NOTE ⑤)	2	2	2	2	2	2
	137 171	PIN, COTTER, S., PARKERIZED, 3/32 x 1" (ENGINE REAR MOUNTING BOLT) (NOTE ⑤)	2	2	2	2	2	2
	102 190 H	REINFORCEMENT, ENGINE REAR SUPPORT CROSSMEMBER (NOTE ⑥)	1		1		1	
01-15	95 147 H	RETAINER, ENGINE MOUNTING LOWER INSULATOR (NOTE ⑤)	2	2	2	2	2	2
	105 077 H	RETAINER, ENGINE REAR MOUNTING LOWER INSULATOR (NOTE ⑤)	2	2	2	2	2	2
	102 192 H	ROD, ENGINE TORSIONAL, LEFT (NOTE ⑥)	1		1		1	
	102 191 H	ROD, ENGINE TORSIONAL, RIGHT (FOR LEFT-HAND DRIVE TRUCKS) (NOTE ⑥)	1		1		1	
	102 193 H	ROD, ENGINE TORSIONAL, RIGHT (FOR RIGHT-HAND-DRIVE TRUCKS) (NOTE ⑥)	1		1		1	
	121 956	NUT, REG., HEX., S., PARKERIZED, 7/16"-20 N.F. (ENGINE TORSIONAL ROD SCREW) (NOTE ⑥)	4		4		4	
	182 751	SCREW, CAP, HEX-HD., S., PARKERIZED, 7/16-20 N.F. x 1" (ENGINE TORSIONAL ROD) (NOTE ⑥)	2		2		2	
	182 753	SCREW, CAP, HEX-HD., S., PARKERIZED, 7/16"-20 N.F. x 1-1/4" (ENGINE TORSIONAL ROD) (NOTE ⑥)	2		2		2	
	115 314	WASHER, LOCK, REG., S., PARKERIZED, 7/16" (ENGINE TORSIONAL ROD SCREW) (NOTE ⑥)	4		4		4	
	182 787	SCREW, CAP, HEX-HD., S., PARKERIZED, 1/2"-20 N.F. x 3/4" (ENGINE REAR MOUNTING) (WITH 144 233 H AND 121 972, WILL WORK FOR 95 155 HA AND 101 128 H) (NOTE ⑤)	2	2	2	2	2	2
	101 130 H	SUPPORT, ENGINE REAR, LEFT						1
	101 129 H	SUPPORT, ENGINE REAR, RIGHT						1
	121 956	NUT, REG., HEX., S., PARKERIZED, 7/16"-20 N.F. (ENGINE REAR SUPPORT SCREW)						8
	182 755	SCREW, CAP, HEX-HD., S., PARKERIZED, 7/16"-20 N.F. x 1-1/2" (ENGINE REAR SUPPORT)						8
	115 314	WASHER, LOCK, REG., S., PARKERIZED, 7/16" (ENGINE REAR SUPPORT SCREW)						8
01-15	118 777	WASHER, PLAIN, S., PARKERIZED, 17/32" I.D. x 1-1/16" O.D. x 3/32" THICK (ENGINE REAR MOUNTING BOLT)	2	2	2	2	2	2
	118 668	WASHER, PLAIN, S., PARKERIZED, 9/16" I.D. x 1-3/8" O.D. x .1046" THICK (ENGINE REAR MOUNTING BOLT) (NOTE ⑤)	2	2	2	2	2	2

NOTE ⑤ TRUCKS BELOW K-1-28611
TRUCKS K-1M-501 UP
TRUCKS BELOW K-2-14456
TRUCKS BELOW K-3-13607
TRUCKS K-3M-501 UP
TRUCKS BELOW K-4-5112
TRUCKS KS-4-501 UP
TRUCKS BELOW K-5-44797
TRUCKS BELOW KS-5-22104
TRUCKS BELOW K-5-COE-1662
TRUCKS BELOW KS-5-COE-640

NOTE - ⑤ - TRUCKS K-1-28611 UP
TRUCKS K-2-14456 UP
TRUCKS K-3-13607 UP
TRUCKS K-4-5112 UP
TRUCKS K-5-44797 UP
TRUCKS KS-5-22104 UP
TRUCKS K-5-B-501 UP
TRUCKS K-5-COE-1662 UP
TRUCKS KS-5-COE-640 UP

NOTE - ⑥ - TRUCKS BELOW K-4-2103
TRUCKS BELOW KS-4-575
TRUCKS BELOW K-5-12119
TRUCKS BELOW KS-5-3224

