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MASTER PARTS BOOK

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INTERNATIONAL

4x4 TRUCKS

MODEL M-1-4 (½-TON)

MODEL M-2-4 (1-TON)

Built to the Specifications of

UNITED STATES MARINE CORPS

and

UNITED STATES NAVY

INTERNATIONAL HARVESTER COMPANY
180 NORTH MICHIGAN AVE. CHICAGO 1, ILLINOIS, U.S.A.

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GENERAL OUTLINE OF BOOK

1. The first page of each section in the book has a numbered black tab which lines up with the tab on this page. The tabs in the list matter are quickly found by bending the book back.
2. The parts are listed in a standardized arrangement according to functional groups and sub-groups, and a system of group numbers has been assigned to assist in locating parts. The first two digits represent the main group and the last two digits cover the sub-groups, and are listed on pages 2 and 3.
3. "Exploded" illustrations of the various units of the truck are shown. These cuts show a "reference number" and are supplemented with an index showing IHC part numbers and group numbers, under which description, etc. of parts will be found.
4. A truck identification list, showing body style, quantity of trucks built, truck serial numbers, contract numbers, etc., will be found on page 4.
5. A numerical index of IHC part numbers appears at end of book.
6. An index of Vendors' part numbers appears at end of book.

INTERNATIONAL HARVESTER COMPANY
180 NORTH MICHIGAN AVE. CHICAGO 1, ILLINOIS, U.S.A.

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STANDARDIZED ARRANGEMENT OF PARTS BOOK

01 Engine Group

0100 Engine Assembly
0101 Cylinder Block and Head
0102 Crankshaft, Bearings and Caps
0103 Pistons, Rings and Piston Pins
0104 Connecting Rods and Bearings
0105 Valves, Springs, Guides, Tappets, Seat Rings, Cover
0106 Camshaft, Bearings, Sprocket
0107 Oil Pump, Float, Pan, Relief Valve, Level Gauge, Filler and Filter
0108 Manifolds
0109 Flywheel, Ring Gear, Housing
0110 Engine Front and Rear Mounting

02 Clutch Group

0201 Clutch Assembly and Disc
0202 Clutch Pressure Plate, Backing Plate, Springs
0203 Release Lever, Rod, Fork, Shaft, Bearing
0204 Clutch Pedal, Shaft
0205 Clutch Pilot Bearing
0207 Clutch Housing

03 Fuel System Group

0301 Carburetor, Air Cleaner
0302 Fuel Pump, Fuel Filter, Piping
0303 Accelerator, Throttle and Choke Control Wire
0304 Fuel Tank and Lines

04 Exhaust System Group

0401 Muffler
0402 Exhaust Pipe and Tail Pipe

05 Cooling System Group

0501 Radiator Shell, Core, Filler Cap
0502 Thermostat
0503 Water Pump, Fan, Belt, Pulleys
0504 Radiator Mounting
0505 Engine Water Fittings and Hose

06 Electrical Group

0601 Generator, Regulator, Filters, Belt, Mounting
0602 Starting Motor and Switch
0603 Distributor
0604 Ignition Coil and Wiring (Spark Plugs, Ignition Switch, Instrument Lamp)
0605 Instruments
0606 Light Switches, Voltage Divider, Wiring Harness, Terminals, Ground Straps, Bonding Braid, Junction Block, Radio Terminal Box
0607 Head Lamp, Marker Lamps
0608 Tail and Stop Lamp, Switch
0609 Horn, Mounting
0610 Battery Cables and Connections

07 Transmission Group

0700 Transmission Assembly
0701 Case
0703 Main Drive Gear and Bearings
0704 Main Shaft, Countershaft, and Reverse Idler Shaft and Gears
0705 Shift Forks, Rails and Control Housing, Levers

08 Transfer Case Group

0800 Transfer Case Assembly
0801 Case and Cover
0802 Drive Gear, Main Shaft and Bearings
0803 Driven Gears, Output Shafts, and Bearings
0804 Idler Gear, Shaft and Bearings
0806 Shift Shafts, Forks and Shift Levers
0807 Speedometer Gears
0808 Mounting Parts

09 Propeller Shaft and Universal Joint Group

0901 Propeller Shaft Assembly, Tubes and Companion Flanges
0902 Universal Joint

10 Front Axle Group

1000 Front Axle Assembly
1001 Housing
1002 Differential, Carrier and Bearings
1003 Drive Gear, Pinion and Bearings
1005 Axle Shafts, Universal Joints, Drive Flanges
1006 Steering Knuckle, Trunnions and Steering Arm

11 Rear Axle Group

1100 Rear Axle Assembly
1101 Housing
1102 Axle Drive Shaft
1103 Differential Carrier and Bearings
1104 Drive Gear, Pinion and Bearings

12 Brake Group

1201 Hand Brake and Parts
1202 Shoes and Lining
1203 Brake Shoe Backing Plates, Springs, Pins, Etc.
1204 Pedal and Connections
1205 Master Cylinder
1207 Wheel Brake Cylinders
1209 Brake Lines, Pipes, Hose and Clips

13 Wheels, Hubs and Drums Group

1301 Wheel Assembly, Bearings, Retainers, Etc.
1302 Hubs, Brake Drums, Wheel Studs, Nuts

14 Steering Group

1401 Steering Connecting Rod (Drag Link)
1402 Tie Rod
1403 Gear Assembly
1404 Wheel Assembly
1405 Brackets

15 Frame and Brackets Group

1501 Towing Hook and Lifting Eye
1502 Pintle Hook and Mounting Parts
1503 Spring Brackets
1504 Running Board Brackets
1506 Frame, Side Rails, Crossmembers, Axle Bumper Pads, Brackets

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STANDARDIZED ARRANGEMENT OF PARTS BOOK
(Continued)

16 Springs and Shock Absorbers Group

1601 Front and Rear Springs
1602 Spring Shackles, U-bolts and Seats
1603 Shock Absorbers

17 Hoods, Fenders, Running Boards Group

1701 Fenders and Supports
1703 Running Boards
1704 Hood, Hood Catch, Anti-Sqeak

18 Cowl and Bodies

1801 Windshield and Parts, Wiper and Parts
1802 Floor Mats, Floor Boards, Toe Boards, Weather Seals
1803 Cowl Mounting Parts and Battery Box
1804 Cowl Seats, Seat Box and Cushions
1807 Cowl Assembly and Parts
1809 Windshield Glass
1811 Cargo Body

19 Winch

1900 Winch Assembly
1901 Drive Shaft and Universal Joint
1902 Cables and Chain
1905 Power Take-off
1906 Power Take-off Control

21 Bumpers and Radiator Guards

2101 Bumpers
2103 Radiator Guard (See Group 0501)

22 Miscellaneous Chassis Parts, and Accessories Group

2201 Rear-View Mirror
2202 Identification and Caution Plates
2203 Speedometer and Parts
2204 Fuel Container Support, Tools and Accessories

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TRUCK IDENTIFICATION LIST

Body Style	Tonnage and Drive	Wheel-base (Inches)	IHC Model	Quantity of Trucks	IHC Serial Number	Contract Number	Consignee
M-1-4 (½ TON 4 x 4)							
CARGO	½–4x4	113	M–1–4 (214)	57	501 to 570	NOm. 28691	U.S. Marine Corps
CARGO WITH RADIO SHIELDING	½–4x4	113	M–1–4 (214)	4			
AMBULANCE	½–4x4	113	M–1–4 (214)	9			
CARGO	½–4x4	113	M–1–4 (233)	66	501 to 697	NOm. 29992	U.S. Marine Corps
CARGO WITH RADIO SHIELDING	½–4x4	113	M–1–4 (233)	71			
AMBULANCE	½–4x4	113	M–1–4 (233)	60			
AMBULANCE	½–4x4	113	M–1–4 (233)	28	698 to 725	NOs. LL–95051	U.S. Navy
CARGO	½–4x4	113	M–1–4 (233)	26	726 to 758	NOm. 32660	U.S. Marine Corps
CARGO WITH RADIO SHIELDING	½–4x4	113	M–1–4 (233)	7			
AMBULANCE	½–4x4	113	M–1–4 (233)	100	759 to 858	NOm. 32755	U.S. Marine Corps
AMBULANCE	½–4x4	113	M–1–4 (233)	80	859 to 938	NOs. LL–95051 (supplement)	U.S. Navy
AMBULANCE	½–4x4	113	M–1–4 (233)	25	939 to 963	NOs. 4605A	U.S. Navy
AMBULANCE	½–4x4	113	M–1–4 (233)	100	964 to 1063	NOm. 35773	U.S. Marine Corps
AMBULANCE WITH RADIO SUPPRESSION	½–4x4	113	M–1–4 (233)	490	1064 to 1553	NOm. 37471	U.S. Marine Corps
M-2-4 (1 TON 4 x 4)							
CARGO	1–4x4	125	M–2–4 (233)	38	501 to 548	NOm. 29690	U.S. Marine Corps
CARGO WITH WINCH	1–4x4	125	M–2–4 (233)	10			
CARGO	1–4x4	125	M–2–4 (233)	250	553 to 866	NOm. 29948	U.S. Marine Corps
CARGO WITH WINCH	1–4x4	125	M–2–4 (233)	60			
CARGO	1–4x4	125	M–2–4 (233)	226	867 to 1152	NOm. 32660	U.S. Marine Corps
CARGO WITH WINCH	1–4x4	125	M–2–4 (233)	60			
CARGO WITH WINCH AND RADIO SUPPRESSION	1–4x4	125	M–2–4 (233)	1000	1153 to 2152	NOm. 33887	U.S. Marine Corps
CARGO WITH WINCH AND RADIO SUPPRESSION	1–4x4	125	M–2–4 (233)	150	2153 to 2302	NOm. 35075	U.S Marine Corps
CARGO WITH WINCH AND RADIO SUPPRESSION	1–4x4	125	M–2–4 (233)	500	2303 to 2802	NOm. 35773	U.S. Marine Corps
CARGO WITH WINCH AND RADIO SUPPRESSION	1–4x4	125	M–2–4 (233)	100	2803 to 2902	NOm. 35942	U.S. Marine Corps
CARGO WITH WINCH AND RADIO SUPPRESSION	1–4x4	125	M–2–4 (233)	4900	2903 to 7802	NOm. 37471	U.S. Marine Corps
CARGO WITH WINCH AND RADIO SUPPRESSION	1–4x4	125	M–2–4 (233)	1200	7803 to 9002	NOm. 40397	U.S. Marine Corps
CARGO WITH WINCH AND RADIO SUPPRESSION	1–4x4	125	M–2–4 (233)	600	9003 to 9602	Amendments to NOm. 40397	U.S. Marine Corps

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01 - ENGINE

PART NUMBER		DESCRIPTION	SERIAL NUMBER	NO. REQ'D	
		0100—ENGINE ASSEMBLY			
103953 H		Engine, Assembly (IHC Model-GRD-214B-3-5/16" x 4-1/8")			
		(Includes Generator, Starting Motor, Distributor, Coil, Spark Plugs,			
		Cables, Carburetor, Fuel Pipe, Fuel Pump, Air Cleaner,			
		Oil Filter)	M-1-4- 501 to 570	1	
103954 H		Engine, Assembly (IHC Model GRD-214C-3-5/16" x 4-1/8")			
		(Includes Generator, Starting Motor, Distributor, Coil, Spark Plugs,			
		Cables, Carburetor, Fuel Pipe, Fuel Pump, Air Cleaner,			
		Oil Filter)	M-1-4- 501 to 570	1	
103955 H		Engine, Assembly (IHC Model GRD-233B-3-5/16" x 4-1/2")			
		(Includes Generator, Starting Motor, Distributor, Coil, Spark Plugs,			
		Cables, Carburetor, Fuel Pipe, Fuel Pump, Air Cleaner,			
		Oil Filter)	M-1-4- 501 to 858	1	
			M-2-4- 501 to 1152	1	
128497 H		Engine, Assembly (IHC Model GRD-233B-3-5/16" x 4-1/2")			
		(Includes Generator, Starting Motor, Distributor, Coil, Spark Plugs,			
		Cables, Carburetor, Fuel Pipe, Fuel Pump, Air Cleaner,			
		Oil Filter)	M-1-4- 859 to 1063	1	
127925 H		Engine, Assembly (IHC Model GRD-233B-3-5/16" x 4-1/2")			
		(Includes Generator, Starting Motor, Distributor, Coil, Spark Plugs,			
		Cables, Carburetor, Fuel Pipe, Fuel Pump, Air Cleaner,			
		Oil Filter)	M-1-4-1064 up	1	
			M-2-4-1153 to 2152	1	
			M-2-4-2303 to 2802	1	
115104 H		Engine, Assembly (IHC Model GRD-233C-3-5/16" x 4-1/2")			
		(Includes Generator, Starting Motor, Distributor, Coil, Spark Plugs,			
		Cables, Carburetor, Fuel Pipe, Fuel Pump, Air Cleaner,			
		Oil Filter)	M-1-4- 501 to 858	1	
129288 H		Engine, Assembly (IHC Model GRD-233C-3- 5/16" x 4-1/2")			
		(Includes Generator, Starting Motor, Distributor, Coil, Spark Plugs,			
		Cables, Carburetor, Fuel Pipe, Fuel Pump, Air Cleaner,			
		Oil Filter)	M-2-4-2153 to 2302	1	
			M-2-4-2803 up	1	
61148 HL		Skeleton Engine, Assembly (For IHC Model-GRD-214B and GRD-214C)			
		(Includes Crankcase with Pistons, Cylinder Head,			
		Camshaft, Crankshaft, Valves)	M-1-4- 501 to 570	1	
74320 HL		Skeleton Engine, Assembly (For IHC Model-GRD-233B and GRD-233C)			
		(Includes Crankcase with Pistons, Cylinder Head,			
		Camshaft, Crankshaft, Valves) (Will Work for 74320 HJ and 74320 HK)			
		0101—CYLINDER BLOCK AND HEAD			
1690 YSY		Crankcase, Complete with Pistons	@ Below M-1-4- 571	1	
130920 HY		Crankcase, Complete with Pistons	◊ Below M-1-4- 571	1	
72060 HH		Crankcase, Complete with Pistons	‡ M-1-4- 501 up	1	
			M-2-4- 501 to 2152	1	
			M-2-4-2303 to 2802	1	
116574 H		Crankcase, Complete with Pistons	† Below M-1-4- 859	1	
			M-2-4-2153 to 2302	1	
			M-2-4-2803 up	1	
1690 YRX		Crankcase with Camshaft Bearings and Crankshaft Bearing Caps			
		(Less Crankshaft Bearings and Pistons)	Ⓐ M-1-4- 501 up	1	
			‡ M-2-4- 501 up	1	

@ - GRD-214B Engine Only ◊ - GRD-214C Engine Only Ⓐ - GRD-214B and 233B Engines Only
‡ - GRD-233B Engine Only † - GRD-233C Engine Only

Continued on page 8

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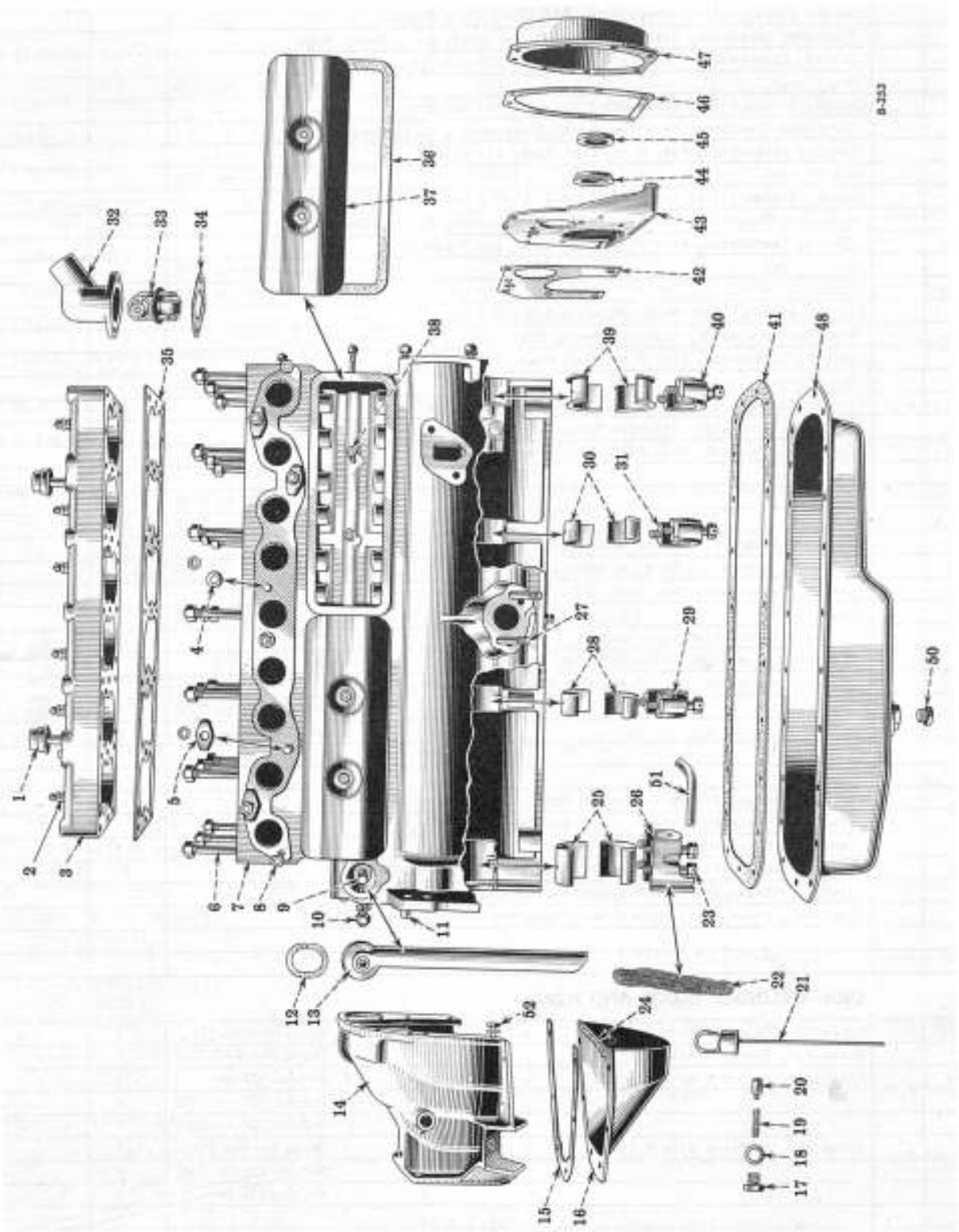

CYLINDER HEAD, CRANKCASE, MAIN BEARINGS, OIL PAN, FLYWHEEL HOUSING, GEAR CASE

Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.

Reference numbers only appear in the illustrations. Refer to list for part numbers.

Index to reference numbers in illustration.

Ref. No.	I H C Part No.	Group No.	Ref. No.	I H C Part No.	Group No.	Ref. No.	I H C Part No.	Group No.
1	67990 H	0101	14	96347 HA	0109	33	41980 HB	0502
	60836 H	0101	15	96344 H	0109		49863 HB	0502
2	108074 H	0604	16	128785 HX	0109		95059 H	0502
3	104042 H	0101	17	59547 H	0107	34	41991 H	0505
	104043 H	0101	18	1928 Y	0107	35	89445 HB	0101
4	1888 YA	0108	19	1926 Y	0107	36	84773 H	0105
						37	94994 H	0105
5	60844 H	0108	20	1925 YA	0107	38	82740 H	0105
6	92045 H	0101				39	56729 HA	0102
	101524 H	0101	21	104063 HX	0107	40	96711 H	0102
7	1690 YRX	0101	22	1738 Y	0102	41	1783 Y	0107
	103920 HX	0101	23	95692 H	0102	42	61811 H	0101
	116574 H	0101		1739 Y	0102	43	95600 H	0101
8	1886 Y	0108	24	62517 H	0109	44	1867 Y	0102
	1887 Y	0108	25	1727 YC	0102	45	1866 Y	0102
	37684 H	0108	26	99042 HAX	0102	46	1863 Y	0101
	23375 V	0108	27	Q 1786	0107	47	95633 H	0101
9	Q 1812	0107				48	104032 HX	0107
10	26989 D	0109	28	1717 YC	0102		108066 HX	0107
11	54808 H	0109	29	96713 H	0102	50	104044 H	0107
			30	1707 YC	0102		113933 H	0107
12	1748 Y	0101	31	96712 H	0102	51	1737 YA	0102
13	94942 HX	0101	32	95690 H	0505	52	1770 Y	0109

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01 - ENGINE

PART NUMBER		DESCRIPTION	SERIAL NUMBER	NO. REQ'D	
		0101—CYLINDER BLOCK AND HEAD—Continued			
103920 HX		Crankcase with Camshaft Bearings and Crankshaft Bearing Caps			
		(Less Crankshaft Bearings with Pistons)	Below M-1-4- 859	1	
			† M-2-4-2153 to 2302	1	
			M-2-4-2803 up	1	
13957 V		Pipe Plug, 3/8" (Countersunk)(Will Work for 1694 Y)		2	
		Pipe Plug, 1/8" (Square Head)		6	
		Pipe Plug, 1/8" (Slotted Head)			
23139 V		Crankcase Expansion Plug, 2"		5	
13231 D		Crankcase Expansion Plug, 1-3/4"		1	
94942 HX		Crankcase Ventilator, Assembly		1	
Q 1812		Cap Screw, 3/8" N.C. x 2-1/4" (Hex Head)		1	
1748 Y		Crankcase Ventilator Gasket		1	
9983 TB		Cylinder Drain Cock, 1/8" (Imperial Brass No. 300 E)			
		(Optional with 75351 H)		1	
75351 H		Cylinder Drain Cock, 1/8" (Commonwealth No. 35)			
		(Optional with 9983 TB)		1	
73176 HA		Lower Crankcase Gasket Kit		1	
		Composed of -			
		1 - 1933 YA Gear Case Cover Plate Gasket			
		1 - 1863 Y Gear Case Cover Gasket			
		1 - 1922 Y Oil Pump Gasket			
		1 - 1924 Y Oil Float Gasket			
		1 - 1783 Y Oil Pan Gasket			
		1 - 1866 Y Crankshaft Packing, Front			
		2 - 1738 Y Crankshaft Bearing Cap Rear Packing			
		1 - 60837 H Water Pump Gasket			
		1 - 2163 Y Fuel Pump Gasket			
		1 - 1579 Y Ignition Distributor-Oil Seal			
104042 H		Cylinder Head	ⓐ Below M-1-4- 571	1	
104043 H		Cylinder Head	ⓣ M-1-4- 501 up	1	
			M-2-4- 501 up	1	
102547 H		Cylinder Head Gasket Kit		1	
		Composed of -			
		1 - 89445 HB Cylinder Head Gasket			
		1 - 41991 H Water Outlet Gasket			
		2 - 84773 H Valve Cover Gasket			
		1 - 86965 H Intake to Exhaust Manifold Gasket			
		1 - 1876 Y Intake and Exhaust Manifold Gasket			
		2 - 66453 H Carburetor Gasket			
89445 HB		Cylinder Head Gasket (Will Work for 89445 HA)		1	
92045 H		Cylinder Head Capscrew, 7/16" N.C. x 3" (Hex Head)		21	
101524 H		Cylinder Head Capscrew Washer, 15/32" x 7/8" x 3/32"		19	
		GRD-214B and GRD-233B Engine		17	
60836 H		Engine Breather (Optional with 67990 H)		1	
67990 H		Engine Breather (Optional with 60836 H)		1	

† - GRD-233C Engine Only
ⓐ - GRD-214B and 214C Engines Only
ⓣ - GRD-233B and 233C Engines Only