#### All rights reserved by **CNHi**.

The information contained in this catalogue is intended to be of a general nature only. **CNHi.** may at any time and from time to time, for technical or other necessary reasons, modify any of the details or specifications of the product described in this catalogue.

To be sure of getting accurate, detailed and up-to-date information, an intending buyer should consult his nearest **CNHi.** dealer or distributor.

Single item numeration method used in this catalogue may not be used without written consent from **CNHi**.

Thanks very much for your reading,

Want to get more information,

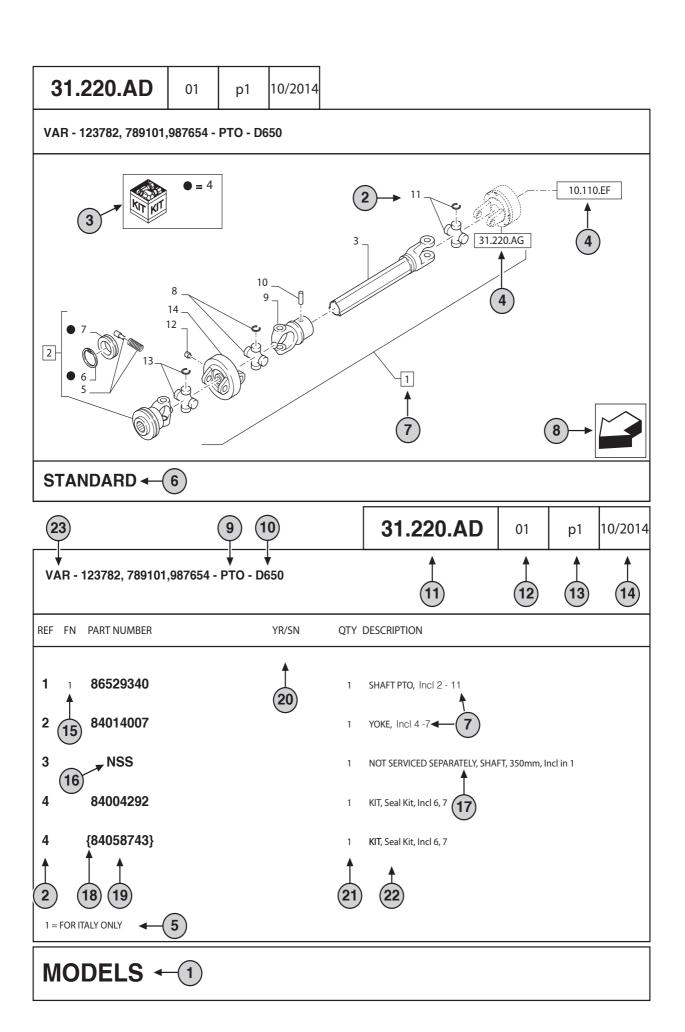
Please click here, Then get the complete
manual



### **NOTE:**

If there is no response to click on the link above, please download the PDF document first, and then click on it.

Have any questions please write to me: admin@servicemanualperfect.com



2 Reference - Figure call-out of the part number. 3 Parts supplied in repair kits per symbol reference. 4 Part illustrated on the Page or in the Figure indicated, or calls for 31.220.AD Variations or Details. Indicates components shown in detail elsewhere in the catalogue under the figure number shown. Footnote references 5 6 Figure notes 7 1 2 Includes item(s) ..... (See Description within partlist). 8 Orientation. (Arrow indicates front of the machine). 9 Figure description. 10 General information of the figure. Figure title number that aligns with the SRT. Standard Repair Time. 11 12 **Sequence** code within the assembly. 13 Page number within the sequence code. 14 Date of printing or updating of page (month-year). 15 Note - Relating to the Part Number. There is a key to symbols and abbreviations at the bottom of the text page. 16 Non-serviced parts. 17 Further description of the part to help confirm identification. 18 Not available as service part. 19 Part Number. 20 To be defined. 21 Total **Quantity** of the Part referred to in the page. The quantity can be replaced by the following indications: **AR** = quantity as requested. 22 Part Description. 23 Variant Codes

1

Model Number and Model Description

TABLE OF CONTENTS					
00.05		FILTERS & CAPACITIES			
05.100.03	01	FILTERS & CAPACITIES, BOMMER 8N 50 HP			
05.100.03	02	FILTER & CAPACITIES, BOOMER 8N			
01.01		CYLINDER BLOCK			
01.02		CAMSHAFT			
01.03		CYLINDER HEAD			
01.04		HEAD COVER			
01.05		ROCKER ARM			
01.06		CRANKSHAFT & PISTONS			
01.07		TIMING GEAR CASE			
01.08		OIL PUMP, WATER PUMP & FAN			
01.15		ALTERNATOR ASSEMBLY			
01.16		STARTING MOTOR			
01.17		BALANCER			
01.18.01		FUEL INJECTION PUMP & LINES			
01.18.02		FUEL INJECTOR			
02.01		RADIATOR			
02.03		FUEL TANK			
02.04		AIR CLEANER			
02.05		OIL COOLER			
02.05.01		OIL COOLER BYPASS VALVE & TUBES			
02.06		AIR CLEANER BRACKET			
02.06		FUEL SYSTEM & FUEL FILTER			
02.07		FOOT THROTTLE/PEDAL			
02.07.01		HAND THROTTLE ASSEMBLY			
02.08		EXHAUST SYSTEM			
02.08.01		CHROME TAIL PIPE KIT			
02.10		ENGINE BUCKLEUP			
03.01		COMPLETE TRANSMISSION			
03.01.01		COMPLETE TRANSMISSION EXTERNAL PIPING			
03.02		REAR HOUSING ASSEMBLY			
03.03		REAR HOUSING ASSEMBLY			
03.04		REAR PTO HYDRAULIC BLOCK			
03.05		REAR HOUSING ASSEMBLY			
03.06		INTERMEDIATE PLATE ASSEMBLY			
03.07		REAR COVER ASSEMBLY W/MID PTO TRANSMISSION			

TABLE OF CONTENTS				
03.07.01	REAR COVER ASSEMBLY W/MID PTO TRANSMISSION			
03.07.02	REAR COVER ASSEMBLY W/O MID PTO TRANSMISSION			
03.08	MID PTO			
03.09	FWD SHAFT & MID PTO SHAFT			
03.09.01	FWD SHAFT			
03.10	FWD & MID PTO ENGAGEMENT			
03.10.01	FWD ENGAGEMENT			
03.11	TRANSMISSION DISENGAGEMENT			
03.12	PLANETARY GEAR			
03.13	PLANETARY GEAR SET			
03.14	PLANETARY CARRIER			
03.15	SECONDARY PULLEY OUTPUT SHAFT			
03.16	PTO DRIVING SET			
03.17	REAR PTO CLUTCH			
03.18	BEVEL GEAR SET			
03.19	DIFFERENTIAL			
03.20	DIFFERENTIAL LOCK			
03.21	LH FINAL REDUCTION HOUSING			
03.21.01	LH FINAL REDUCTION HOUSING - USED ON & ABOVE PIN # Z9D8N0734			
03.22	RH FINAL REDUCTION HOUSING			
03.22.01	RH FINAL REDUCTION HOUSING - USED ON & ABOVE PIN # Z9D8N0734			
03.23	FRONT HOUSING			
03.24	SHUTTLE CLUTCH			
03.25	FRONT HOUSING			
03.27	HPL HOUSING ASSEMBLY			
03.28	CYLINDER ASSEMBLY			
03.29	INTERNAL LEVERS			
03.30	TOP LINK BRACKET			
03.31	CONTROL LEVERS			
03.32	CONTROL VALVE			
03.50	PTO CONTROL GROUP			
03.50.01	PTO SELECTOR KNOB			
03.51	DIFFERENTIAL LOCK LINKAGE			
03.52	HPL LINKAGE			
03.53	PARKING BRAKE			
03.54	SINGLE PEDAL BRAKE			

		TABLE OF CONTENTS
03.55		DUAL PEDAL BRAKE KIT
03.56		TRANSMISSION IMMERSION HEATER - 87537603
03.59		KIT CL3 HST NOISE REDUCTION
04.01		STEERING COLUMN
04.01.01		POWER STEERING MOTOR
04.02		FRONT AXLE, FWD
04.05		FRONT AXLE & STEERING W/FWD
04.05.01		POWER STEERING CYLINDER ASSEMBLY, W/FWD
04.09		POWER STEERING PUMP ASSEMBLY
04.10		POWER STEERING TUBES
04.11		FRONT DIFFERENTIAL GEARS W/FWD
04.12		FINAL REDUCTION GEARS, W/FWD
06.01		WIRE HARNESSES
06.02		ELECTRICAL CONTROL SYSTEM GROUP
06.03		ELECTRICAL CONTROLLER GROUP
06.04		FUSES
06.09		BATTERY & BATTERY PLATE
06.11		INSTRUMENT PANEL
06.12		WARNING LIGHTS
06.15		CANOPY WORK LIGHT KIT - 84184633
06.16		WORK LIGHT MOUNT KIT
06.18		HORN
06.18	01	HORN, UPDATED 7/2009
07.01		HYDRAULIC PRESSURE FILTER & TUBING
07.02		HYDRAULIC SUCTION FILTER & TUBING
07.03		HYDRAULIC OIL PRESSURE SYSTEM
07.04		HYDRAULIC OIL PUMP
07.06		3 POSITION SELF CENTERING VALVE - 710366216
07.07		4 POSITION FLOAT & DETENT VALVE - DIA KIT, P/N 719940056
07.08		REAR REMOTE #1 COMPLETING KIT - 719933036
07.09		REAR REMOTE #2 COMPLETING KIT - 719935036
07.10		REAR REMOTE #3 COMPLETING KIT - 719937026
07.15		TWO FUNCTION MID-MOUNT HYDRAULIC VALVE KIT - 717653006
07.16		MID-MOUNT HYDRAULIC CONTROL VALVE - 87571203
08.01		FENDERS
08.01.01		DELUXE TOOLBOX

08.02         DECALS           08.02.01         DECALS           08.03         FIREWALL           08.04         SMY MOUNTING           08.05         HOOD           08.06         HOOD, UPDATED 5/2009           08.06         HEADLAMP           08.06.01         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIALMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         REDS SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT			TABLE OF CONTENTS
08.03         01         FIREWALL, UPDATED           08.04         SMY MOUNTING           08.05         HOOD           08.06         HOOD, UPDATED 5/2009           08.06         HEADLAMP           08.06.01         KIT, CHROME HEADLIGHT           08.06.02         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, CHROME           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.06	08.02		DECALS
08.03         01         FIREWALL, UPDATED           08.04         SMY MOUNTING           08.05         HOOD           08.06         HEADLAMP           08.06.01         KIT, CHROME HEADLIGHT           08.06.02         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE E STANDARD KNOBS           08.19         ROPS, CHROME           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.02         TIE D	08.02.01		DECALS
08.04         SMV MOUNTING           08.05         HOOD           08.05         01         HOOD, UPDATED \$12009           08.06         HEADLAMP           08.06.01         KIT, CHROME HEADLIGHT           08.06.02         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, CHROME           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.07         PLATFORM           10.08         PLATFORM           10.	08.03		FIREWALL
08.05         HOOD           08.05         01         HOOD, UPDATED 5/2009           08.06         HEADLAMP           08.06.01         KIT, CHROME HEADLIGHT           08.06.02         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE STANDARD KNOBS           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.07         FRONT WHEELS           11.01         FRONT WHEELS           11.02         REAR WHEELS           11.03         FRO	08.03	01	FIREWALL, UPDATED
08.05         01         HOOD, UPDATED \$12009           08.06         HEADLAMP           08.06.01         KIT, CHROME HEADLIGHT           08.06.02         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE & STANDARD KNOBS           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.07         PLATFORM           10.08         PLATFORM           10.09         REAR WHEELS <td>08.04</td> <td></td> <td>SMV MOUNTING</td>	08.04		SMV MOUNTING
08.06         HEADLAMP           08.06.01         KIT, CHROME HEADLIGHT           08.06.02         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.07         PLATFORM           10.08         PLATFORM           10.09         REAR WHEELS           11.01         FRONT END WHEEL WEIGHTS - 710215	08.05		HOOD
08.06.01         KIT, CHROME HEADLIGHT           08.06.02         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.02         PO TOPS           10.03         SEAT           10.04         PLATFORM           10.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS - 710215016 &	08.05	01	HOOD, UPDATED 5/2009
08.06.02         KIT, CHROME BEZEL           08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.22         TIE DOWN           11.01         FRONT END WHEELS           11.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 7192230056           11.04	08.06		HEADLAMP
08.07         ENGINE SIDE COVER           08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, CHROME           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.22         TIE DOWN           11.01         FRONT WHEELS           11.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS, 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056           11.04         REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.06.01		KIT, CHROME HEADLIGHT
08.08         UPPER REAR HOOD           08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.22         TIE DOWN           11.01         FRONT WHEELS           11.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056           11.04         REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.06.02		KIT, CHROME BEZEL
08.09         LOWER REAR HOOD           08.10         PTO SHIELD           08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.06.01         PLATFORM           10.02         TIE DOWN           11.01         FRONT WHEELS           11.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056           11.04         REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 7104470026	08.07		ENGINE SIDE COVER
08.10 PTO SHIELD  08.11 3 POINT HITCH & HARDWARE  08.12 DRAWBAR  08.13 RED GRILLE GUARD KIT  08.14 CHROME GRILLE GUARD KIT  08.15 DIAMOND TREAD PLATE KIT  08.16 DELUXE FENDER HAND RAIL - 84178922  08.17 DELUXE & STANDARD KNOBS  08.19 ROPS, BLACK  08.20 ROPS, CHROME  08.21 FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET  08.22 FLOOR MATS  10.01 RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927  10.02 POD TOPS  10.03 SEAT  10.06 PLATFORM  10.06.01 PLATFORM  10.02 REAR WHEELS  11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPPORTS IN NOUS TIOLATON CARRIER - 710233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056  11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.08		UPPER REAR HOOD
08.11         3 POINT HITCH & HARDWARE           08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.22         TIE DOWN           11.01         FRONT WHEELS           11.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056           11.04         REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.09		LOWER REAR HOOD
08.12         DRAWBAR           08.13         RED GRILLE GUARD KIT           08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.22         TIE DOWN           11.01         FRONT WHEELS           11.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056           11.04         REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.10		PTO SHIELD
08.13 RED GRILLE GUARD KIT 08.14 CHROME GRILLE GUARD KIT 08.15 DIAMOND TREAD PLATE KIT 08.16 DELUXE FENDER HAND RAIL - 84178922 08.17 DELUXE & STANDARD KNOBS 08.19 ROPS, BLACK 08.20 ROPS, CHROME 08.21 FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET 08.22 FLOOR MATS 10.01 RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927 10.02 POD TOPS 10.03 SEAT 10.06 PLATFORM 10.06.01 PLATFORM 10.22 TIE DOWN 11.01 FRONT WHEELS 11.02 REAR WHEELS 11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056 11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.11		3 POINT HITCH & HARDWARE
08.14         CHROME GRILLE GUARD KIT           08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.22         TIE DOWN           11.01         FRONT WHEELS           11.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056           11.04         REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.12		DRAWBAR
08.15         DIAMOND TREAD PLATE KIT           08.16         DELUXE FENDER HAND RAIL - 84178922           08.17         DELUXE & STANDARD KNOBS           08.19         ROPS, BLACK           08.20         ROPS, CHROME           08.21         FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET           08.22         FLOOR MATS           10.01         RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927           10.02         POD TOPS           10.03         SEAT           10.06         PLATFORM           10.06.01         PLATFORM           10.22         TIE DOWN           11.01         FRONT WHEELS           11.02         REAR WHEELS           11.03         FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056           11.04         REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.13		RED GRILLE GUARD KIT
08.16 DELUXE FENDER HAND RAIL - 84178922  08.17 DELUXE & STANDARD KNOBS  08.19 ROPS, BLACK  08.20 ROPS, CHROME  08.21 FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET  08.22 FLOOR MATS  10.01 RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927  10.02 POD TOPS  10.03 SEAT  10.06 PLATFORM  10.06.01 PLATFORM  10.22 TIE DOWN  11.01 FRONT WHEELS  11.02 REAR WHEELS  11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056  11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.14		CHROME GRILLE GUARD KIT
08.17       DELUXE & STANDARD KNOBS         08.19       ROPS, BLACK         08.20       ROPS, CHROME         08.21       FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET         08.22       FLOOR MATS         10.01       RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927         10.02       POD TOPS         10.03       SEAT         10.06       PLATFORM         10.22       TIE DOWN         11.01       FRONT WHEELS         11.02       REAR WHEELS         11.03       FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056         11.04       REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.15		DIAMOND TREAD PLATE KIT
08.19       ROPS, BLACK         08.20       ROPS, CHROME         08.21       FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET         08.22       FLOOR MATS         10.01       RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927         10.02       POD TOPS         10.03       SEAT         10.06       PLATFORM         10.22       TIE DOWN         11.01       FRONT WHEELS         11.02       REAR WHEELS         11.03       FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056         11.04       REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.16		DELUXE FENDER HAND RAIL - 84178922
08.20       ROPS, CHROME         08.21       FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET         08.22       FLOOR MATS         10.01       RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927         10.02       POD TOPS         10.03       SEAT         10.06       PLATFORM         10.06.01       PLATFORM         10.22       TIE DOWN         11.01       FRONT WHEELS         11.02       REAR WHEELS         11.03       FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056         11.04       REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.17		DELUXE & STANDARD KNOBS
08.21       FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET         08.22       FLOOR MATS         10.01       RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927         10.02       POD TOPS         10.03       SEAT         10.06       PLATFORM         10.02.01       PLATFORM         10.22       TIE DOWN         11.01       FRONT WHEELS         11.02       REAR WHEELS         11.03       FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056         11.04       REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.19		ROPS, BLACK
08.22       FLOOR MATS         10.01       RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927         10.02       POD TOPS         10.03       SEAT         10.06       PLATFORM         10.06.01       PLATFORM         10.22       TIE DOWN         11.01       FRONT WHEELS         11.02       REAR WHEELS         11.03       FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056         11.04       REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.20		ROPS, CHROME
10.01 RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927  10.02 POD TOPS  10.03 SEAT  10.06 PLATFORM  10.06.01 PLATFORM  10.22 TIE DOWN  11.01 FRONT WHEELS  11.02 REAR WHEELS  11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056  11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.21		FENDER HANDLE RAILS, FENDER SUPPORT BRACKETS & TAIL LIGHT MOUNT BRACKET
10.02       POD TOPS         10.03       SEAT         10.06       PLATFORM         10.06.01       PLATFORM         10.22       TIE DOWN         11.01       FRONT WHEELS         11.02       REAR WHEELS         11.03       FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056         11.04       REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	08.22		FLOOR MATS
10.03 SEAT  10.06 PLATFORM  10.06.01 PLATFORM  10.22 TIE DOWN  11.01 FRONT WHEELS  11.02 REAR WHEELS  11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056  11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	10.01		RED SIDE STEPS & CHROME STEPS, RIGHT & LEFT - 84178927
10.06       PLATFORM         10.06.01       PLATFORM         10.22       TIE DOWN         11.01       FRONT WHEELS         11.02       REAR WHEELS         11.03       FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056         11.04       REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	10.02		POD TOPS
10.06.01       PLATFORM         10.22       TIE DOWN         11.01       FRONT WHEELS         11.02       REAR WHEELS         11.03       FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056         11.04       REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	10.03		SEAT
10.22 TIE DOWN  11.01 FRONT WHEELS  11.02 REAR WHEELS  11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056  11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	10.06		PLATFORM
11.01 FRONT WHEELS  11.02 REAR WHEELS  11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056  11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	10.06.01		PLATFORM
11.02 REAR WHEELS  11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056  11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	10.22		TIE DOWN
11.03 FRONT END WHEEL WEIGHTS - 710215016 & 718215036,WEIGHT CARRIER - 718233006 & WEIGHT ADAPTER BRACKET SUPERSTEER - 719233056  11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	11.01		FRONT WHEELS
ADAPTER BRACKET SUPERSTEER - 719233056 11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	11.02		REAR WHEELS
11.04 REAR WHEEL WEIGHTS, 105 LBS AG BAR & INDUSTRIAL WHEELS ONLY - 710470026	11.03		FRONT END WHEEL WEIGHTS - 710215016 & 718215036, WEIGHT CARRIER - 718233006 & WEIGHT
	11.04		
	11.07		REAR COUNTERWEIGHT BRACKET - 718740016

### TABLE OF CONTENTS

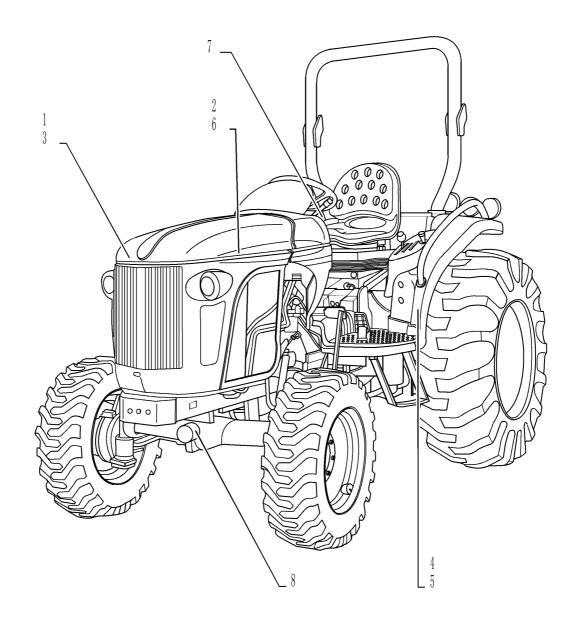
**BALLASTING BOX - 1000 LBS MAX - 717747006** 11.08

SECTION INDEX				
GENERAL				
00.05		FILTERS & CAPACITIES		
05.100.03	01	FILTERS & CAPACITIES, BOMMER 8N 50 HP		
05.100.03	02	FILTER & CAPACITIES, BOOMER 8N		

**00.05** p1 5/2018

### FILTERS & CAPACITIES







**00.05** p1 5/2018

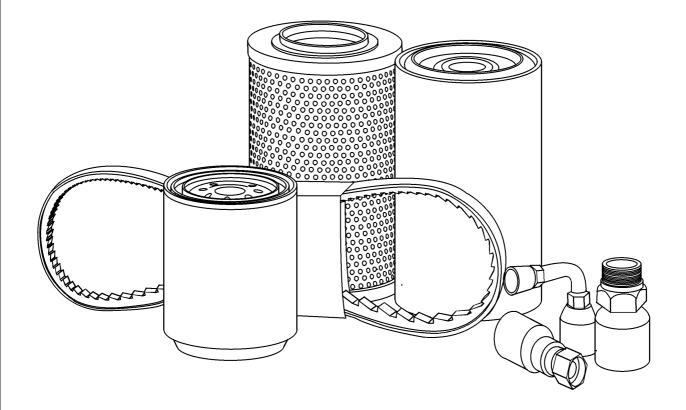
#### FILTERS & CAPACITIES

REF FN	PART NUMBER	YR/SN Q	TY DESCRIPTION
1	{}		Cooling System Capacity, 9.0 Liters (9.6 Quarts)
	{}		Coolant Type, ESE-M97B18-D Ethylene Glycol Coolant Concentrate (50/50 mix with water)
2	87415600		1 ENGINE OIL FILTER ENGINE OIL FILTER
2	SBA110666060		1 FILTER SCREEN ENGINE OIL FILTER, Screen
2	{}		Engine Oil Capacity With Filter Change, 6.0 Liters (6.3 Quarts)
	{}		Engine Oil Type, NH Ambra Mastergold HSP 10W-30
3	87300178		1 AIR FILTER ENGINE AIR FILTER, Outer, Primary
3	87300180		1 AIR FILTER ENGINE AIR FILTER, Inner, Secondary
4	87673831		1 HYDRAULIC OIL FILTER HYDRAULIC OIL FILTER
4	87673833		1 HYDRAULIC OIL FILTER HYDRAULIC OIL FILTER, Suction
4	87481356		1 FILTER HYDRAULIC OIL FILTER, G-Rotor Pump
4	{}		Hydraulic Oil Capacity, includes Rear Axle and CVT Transmission, 35.2 Liters (9.3 Gallons)
	{}		Hydraulic Oil Type, NH Ambra Multi G 134
5 1	<b>(</b> )		Hydraulic Power Steering Oil Capacity, 1.4 Liters (1.5 Quarts)
6	SBA360700220		1 FUEL FILTER FUEL FILTER
6	87300041		1 ELEMENT FUEL FILTER, Element
7	{}		Fuel Tank Capacity, 49.2 Liters (13 Gallons), No. 2 Diesel
8 2	0		Front Axle Differential Oil Capacity, includes Final Reduction Gear, 5.3 Liters (5.6 Quarts)
/4\ 11	I' D O( ' O'IT AILA I	- MIC O 404	

- (1) Hydraulic Power Steering Oil Type, NH Ambra Multi G 134
- (2) Front Axle Differential Oil Type, NH Ambra Multi G 134

**05.100.03** 01 p1 5/2018

FILTERS & CAPACITIES, BOMMER 8N 50 HP



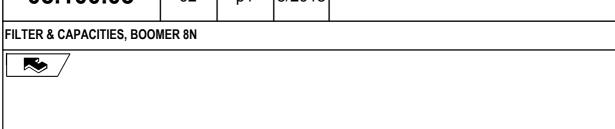
Verified by Parts Engineering

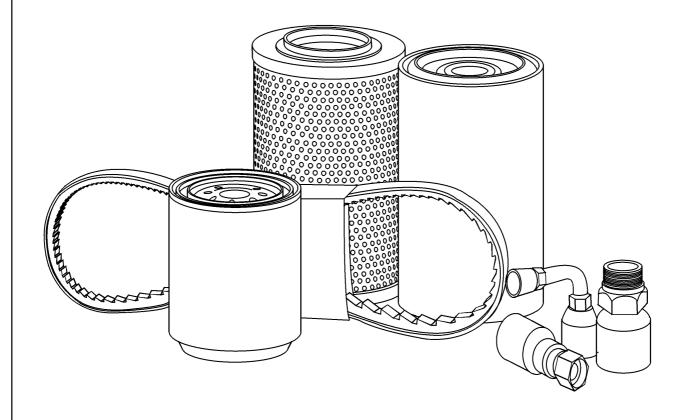
**05.100.03** 01 p1 5/2018

#### FILTERS & CAPACITIES, BOMMER 8N 50 HP

REF FN	PART NUMBER	YR/SN QTY DESCRIPTION
1	84475542	1 ENGINE OIL FILTER Engine Oil Filter
2	87682998	1 AIR FILTER Primary
3	84539215	1 AIR FILTER Secondary
4	84476007	1 HYDRAULIC OIL FILTER Suction Filter System, Spin On
5	84476005	1 HYDRAULIC OIL FILTER Pressue Filter System, Spin On
6	87481356	1 FILTER INTERNAL SUCTION FILTER FOR TRANSMISSION REAR HOUSING ASSEMBLY
7	84477366	1 ELEMENT Element

**05.100.03** 02 p1 5/2018





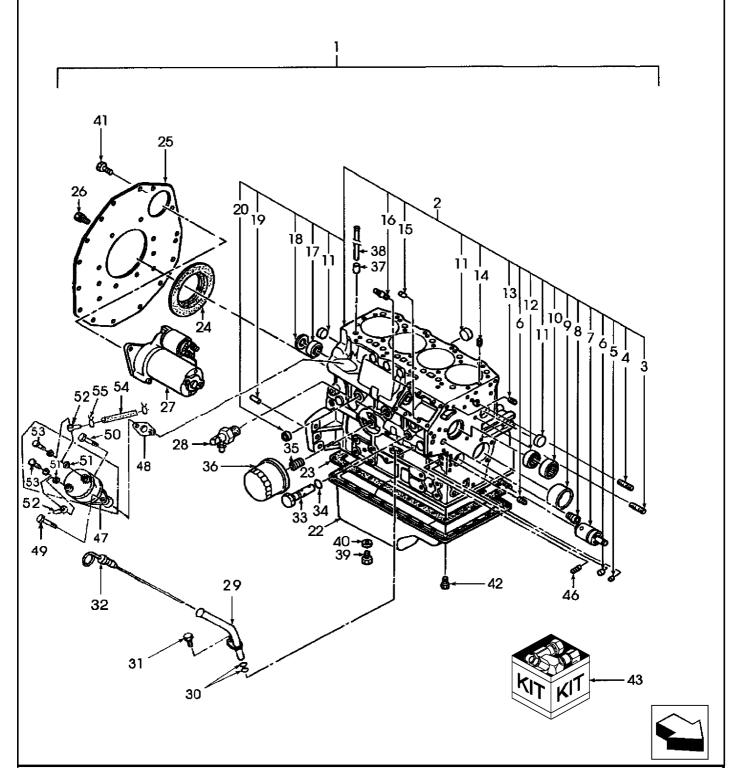
**05.100.03** 02 p1 5/2018

	APACITIES, BOOMER 8N		
REF FN	PART NUMBER	YR/SN	QTY DESCRIPTION
*	NO. 1 SAE 10W30		OIL Engine, 1.35-Gal
*	MULTI G 134		OIL Transmission, 9.3-Gal
*	NO. 1 SAE 10W30		OIL Safety Air Filter, 0.87-Gal
*	MULTI G 134		OIL Front Axle Oil, 0.52-Gal
*	NO. 1 SAE 10W30		OIL G-Rotor Pump Inner Filter, 0.87-Gal
*	ZRG012WGC		GREASE Chassis Lube, NLGI #2 White Lithium, As Required

	SECTION INDEX
	ENGINE
01.01	CYLINDER BLOCK
01.02	CAMSHAFT
01.03	CYLINDER HEAD
01.04	HEAD COVER
01.05	ROCKER ARM
01.06	CRANKSHAFT & PISTONS
01.07	TIMING GEAR CASE
01.08	OIL PUMP, WATER PUMP & FAN
01.15	ALTERNATOR ASSEMBLY
01.16	STARTING MOTOR
01.17	BALANCER
01.18.01	FUEL INJECTION PUMP & LINES
01.18.02	FUEL INJECTOR

**01.01** p1 5/2018

CYLINDER BLOCK



Complete engines are typically not available. Recommendation is to order the Long Block through PAL. Long Blocks as listed in PAL are complete engines less the starter, belts, alternator, flywheel.

**01.01** p1 5/2018

	I OCK

CTLINDER BLOCK			
REF FN	PART NUMBER	YR/SN	QTY DESCRIPTION
1 1	SBA133724		1 ENGINE Block, Long, Includes: 2-26,28-40,42,46,48,49 & 50
2	SBA110101760		1 CYLINDER BLOCK Block, Cylinder
3	SBA012110660		1 STUD
4	SBA012110635		1 STUD
5	SBA198466010		3 PLUG Blank 8.4mm
6	SBA198466020		4 PLUG Blank 10.4mm
7	SBA165296260		1 SHAFT Idler Gear, Includes Shaft SBA140196072
9	SBA198517222		1 BUSHING Standard
9	SBA198517226		1 BUSHING U/S, 0.10" or 0.25 mm
9	SBA198517229		1 BUSHING U/S, 0.20" or 0.50 mm
10	SBA042309018		1 NEEDLE BEARING
11	SBA064210040		5 CAP 40mm
12	SBA042309017		1 NEEDLE BEARING
13	SBA030500616		2 DOWEL M6 x 16
14	SBA030309005		2 PIN Spring
15	SBA030500612		2 DOWEL
16	SBA012110820		3 STUD
17	SBA040106203		1 BALL BEARING 17mm ID x 40mm OD x 12mm W
18	SBA064100045		1 PLUG Expansion
19	SBA030501025		2 BALL STUD M10 x 25 L BALL PIN
20	SBA064210025		2 PLUG 25mm
22	SBA110701180		1 ENGINE OIL PAN
23	SBA110996860		1 GASKET
24	SBA050209083		1 SEAL
25	SBA110361210		1 PLATE Rear
26	SBA011510820		10 CAPTIVE WASHER SCREW Hex, M8 x 20, G5
	SBA185086530		1 STARTER MOTOR Refer to Fig. 01.11 for Breakdown
27	SBA185086530R		1 REMAN-STARTER BOOMER 8N 11 Tooth Drive
27	SBA185086530C		1 CORE-STARTER Return Number
27	SBA185086530GV		1 STARTER MOTOR Value
28	SBA198736270		1 DRAINCOCK/TAP SUPPLY
(1) Alte	ernator & Starter Not Included		

#### (0)

#### (2) Not Included in Long Block