

GEHL®

Form No.
918414
Revision G
Apr. 2014

AL 140

Articulated Loader (SN 11257 and Up)

Parts Manual



INTRODUCTION

When ordering service parts, specify the correct part number, full description, quantity required, the unit model number and serial number. For your safety and continued proper operation, use only genuine GEHL service parts.

The model and serial number for this unit are on a tag located on a panel on the front of the cabin.

"Right" and "left" are determined from a position sitting on the seat and facing forward.

MANITOU AMERICAS, INC. reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units.

Refer to the abbreviations table located on this page for the various fastener descriptions.

Standard attaching hardware torque values are also provided on the inside back cover. Metric torque values shown in the illustrations are in Newton-meters and can be converted to foot-pounds by multiplying by 0.738.

Specific Reference Numbers, indicating a complete assembly, are circled in some illustrations. A small bag, pictured in some illustrations, indicates a seal kit (seals, o-rings, etc.). In the exploded view parts list, additional information may follow the Reference Number.

Serial number breaks are indicated as follows:

- (SN 999 and before) - indicates serial numbers up to and including 999.
- (SN 1000 - 2000) - indicates serial numbers from 1000 to 2000.
- (SN 999 and up) - indicates serial numbers including 999 and after.

Serial number exceptions and inclusions are indicated as follows:

- (SN 999 and before except 997) - indicates serial numbers up to and including 999, EXCEPT 997.

- (SN 1000 - 2000 except 1996 including 997) - indicates serial numbers between 1000 and 2000, INCLUDING 997 EXCEPT 1996.
- (SN 2001 and up including 1996) - indicates serial numbers including 2001 and after, INCLUDING 1996.

Unless otherwise specified, all cap screws, nuts, and bolts are Grade 8.8, cadmium or zinc plated.

NOTE: *The following abbreviations may be used herein:*

ASSD	Assembled
ASSY	Assembly
AR	As Required
CB	Carriage Bolt
CP	Cotter Pin
CS	Cap Screw (Hexagon Head)
CYL	Cylinder
DIA	Diameter
FHCS	Flat Head Cap Screw
GR	Grade
HB	Hex Bolt
HLN	Hex Lock Nut
HN	Hex Nut
HP	High Pressure
HYD	Hydraulic
INS	Insert
LN	Lock Nut
LT	Left
LW	Lock Washer
M	Meter or Meters
MM/mm	Millimeter
NPT	National Pipe Thread
OS	Oversized
RT	Right
SHCS	Socket Head Cap Screw
SLTD	Slotted
SN	Serial Number or Slotted Nut
SQ	Square
US	Undersized
W/	With
W/O	Without

TABLE OF CONTENTS

Introduction.....	i
Table of Contents.....	I
Tools	1
Tools / Paint / Special Service Parts and Kits	1
Filters	2
All Filters	2
Return Filter - 274912.....	3
Chassis	4
Operator's Platform	4
Seat and Seatbelt -- (SN 11592 and Up)	6
Seat and Seatbelt -- (SN 11257 - 11591)	7
Isolation Mats (EU-Std, Domestic-Option)	8
Mirrors (Option)	9
ROPS - Two-Post and Four-Post.....	10
Side Gates - Four-Post ROPS	11
Covers	12
Steering Column - Standard.....	13
Steering Column - Deluxe (EU Only) .	14
Work Lights	16
Headlights/Tail Lights (EU Only)	17
Strobe Light Kit (Option - Domestic Only).....	18
Front Frame.....	19
Rear Frame.....	20
Electrical (SN 11480 and Up).....	21
Electrical (SN 11479 and Before).....	22
Electrical - Fuses.....	23
Battery Disconnect Switch (EU-Standard, Domestic-Option)	24
Remote Battery Terminals (Domestic-Standard, EU-Option)	25
Backup Alarm Kit (Option) (SN 11480 and Up)	26
Backup Alarm Kit (Option) (SN 001479 and Before)	27
Block Heater Kit (Option - Domestic Only).....	28
Controls.....	29
Service Brake, Parking Brake, Throttle.....	29
Inching	30
Axles	31
Wheels and Tires	31
Front and Rear Axles	32
Center and Axle Housings	33
Differential	34
Wheel Hub - 202585	35
Lift Arm	37
Lift Arm Assembly	37
Hydraulics (SN 11393 and Up)	38
Hydraulics (SN 11392 and Before)	40
Aux. Hydraulics Pressure Relief Control (SN 11480 and Up).....	42
Hydraulics	43
Hydraulic Tank (SN 11393 and up)....	43
Hydraulic Tank (SN 11392 and Before)	44
Hydraulic Drive (SN 11393 and Up)...	45
Hydraulic Drive (SN 11392 and Before)	46
Power Steering.....	47
Control Valve.....	48
Auxiliary Valve.....	49
Solenoid Valve, Power-A-Tach Valve	50
Axial Piston Pump - Internal Components	51
Axial Piston Pump - Internal Components (continued).....	52
Hydraulic Cylinders	53
Lift Cylinder	53
Tilt Cylinder.....	54
Steering Cylinder	55
Power-A-Tach Cylinder.....	56
4-Point Quick-A-Tach Cylinder (EU Only)	57
Attachments	58
All-Tach	58
Power-A-Tach.....	59
4-Point Hydraulic Quick-A-Tach (EU Only)	60
Buckets (Domestic Only).....	61
Pallet Forks (Domestic Only)	62
Decals.....	63
Common Decals.....	64
ANSI-Style Decals.....	66
ISO-Style Decals.....	68
Engine	71
Engine Assembly	71
Cylinder Block	72
Gear Housing	73
Flywheel Housing / Oil Pan	74

TABLE OF CONTENTS

Exhaust Manifold.....	75	Schematic - (SN 11257 - 11479).....	108
Cylinder Head and Cover	76	Complete Electrical Schematic - Deluxe	
Camshaft	78	Steering - (SN 11480 and Up).....	109
Crankshaft / Piston.....	79	Complete Electrical Schematic - Deluxe	
Cooling System.....	80	Steering - (SN 11257 - 11479)	110
Lubrication.....	81	Numerical Index	113
Starter.....	82		
Alternator	83		
Fuel Line	84		
Fuel Injection Valve.....	85		
Fuel Injection Pump.....	86		
Governor	88		
Intake and Exhaust Components.....	90		
Radiator.....	91		
Fittings / O-Rings / Seal Rings	92		
Hose / O-Ring Compatibility	93		
Abbreviations and Descriptions for			
Fittings	94		
Schematics	95		
Hydraulic Schematic			
(SN 11393 and Up)	95		
Hydraulic Schematic			
(SN 11257 - 11392)	96		
Complete Electrical Schematic -			
Standard Steering - (SN 114780			
and Up)	97		
Complete Electrical Schematic -			
Standard Steering - (SN 11257 -			
11479)	98		
Standard Steering Column Electrical			
Schematic - (SN 11480 and Up).....	99		
Standard Steering Column Electrical			
Schematic - (SN 11257 - 11479).....	100		
Chassis Harness Electrical Schematic -			
(SN 11480 and Up)	101		
Chassis Harness Electrical Schematic -			
(SN 11257 - 11479)	102		
Engine Harness Electrical Schematic -			
(SN 11480 and Up)	103		
Engine Harness Electrical Schematic -			
(SN 11257 - 11479)	104		
Road Homologation Harness Electrical			
Schematic - (SN 11480 and Up).....	105		
Road Homologation Harness Electrical			
Schematic - (SN 11257 - 11479)	106		
Deluxe Steering Column Electrical			
Schematic - (SN 11480 and Up).....	107		
Deluxe Steering Column Electrical			

AL 140 - TOOLS
TOOLS / PAINT / SPECIAL SERVICE PARTS AND KITS

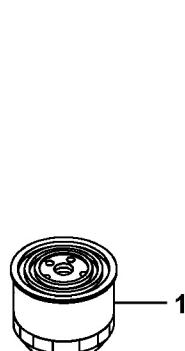
Ref.

No.	Part No.	Description	Qty.
3	184467	HYDRAULIC GAUGE KIT	1
4	186011	TEST PORT, 4MP-M16X2, 1/4 NPT	1
5	183877	TEST PORT, 3/4-16 UNF	1
6	184472	TEST GAUGE, 1000PSI	1
7	184473	TEST GAUGE, 6000PSI	1
8	184475	TEST HOSE, 120" (used with gauge kits)	1
9	184476	ADAPTER, 4FP-M16X2BLKHD (used with gauge kits)	1
10	184474	TEST GAUGE, 10,000PSI	1
11	420-34912	ROD SEAL INSTALL TOOL, 3/4" X 1-1/4" DIAMETER SEALS	1
12	420-34913	ROD SEAL INSTALL TOOL, 1-1/2" X 2" DIAMETER SEALS	1
13	420-34914	ROD SEAL INSTALL TOOL, 2" X 3" DIAMETER SEALS	1
14	272814	OIL VACUUM PUMP (incl. in Engine Oil Analysis Kit)	1
15	272815	COOLANT VACUUM PUMP (incl. in Coolant Analysis Kit)	1
16	272816	1/4" PLASTIC TUBING, 100' (incl. in analysis kits)	1
21	195348	SERVICE TOOL / FUEL INJECTOR PUMP TIMING KIT	1
31	272813	FIELD TEST COOLANT STRIP (1 kit from Coolant Analysis Kit)	1
32	272806	HYDRAULIC OIL ANALYSIS KIT (GEHL)*	Set of 10
33	272809	ENGINE OIL ANALYSIS KIT (GEHL)*	Set of 10
34	272811	FUEL ANALYSIS KIT (GEHL)*	1
35	272812	COOLANT ANALYSIS KIT (GEHL)*	Set of 10
36	167788	4-PACK CONSTRUCTION YELLOW PAINT, 1 QT. (GEHL)	1
37	167754	4-PACK GUNMETAL GRAY PAINT, 1 QT. (GEHL)	1
38	167789	6-PACK YELLOW SPRAY PAINT, 12.8 OZ. (GEHL)	1
39	167755	6-PACK GUNMETAL GRAY SPRAY PAINT, 12.8 OZ. (GEHL)	1
40	50300055	DIAGNOSTIC/MALE	1

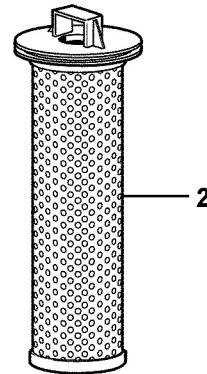
*Analysis Kits - Contact your dealer. Only available for
USA customers.

AL 140 - FILTERS

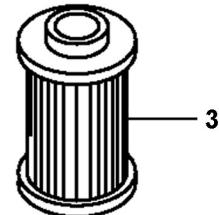
ALL FILTERS



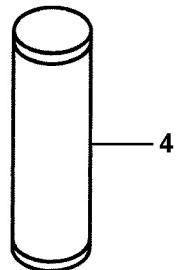
Oil Filter



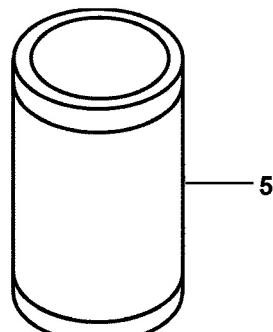
Hyd. Return Filter



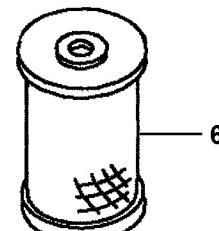
Fuel Filter



Secondary Air Filter



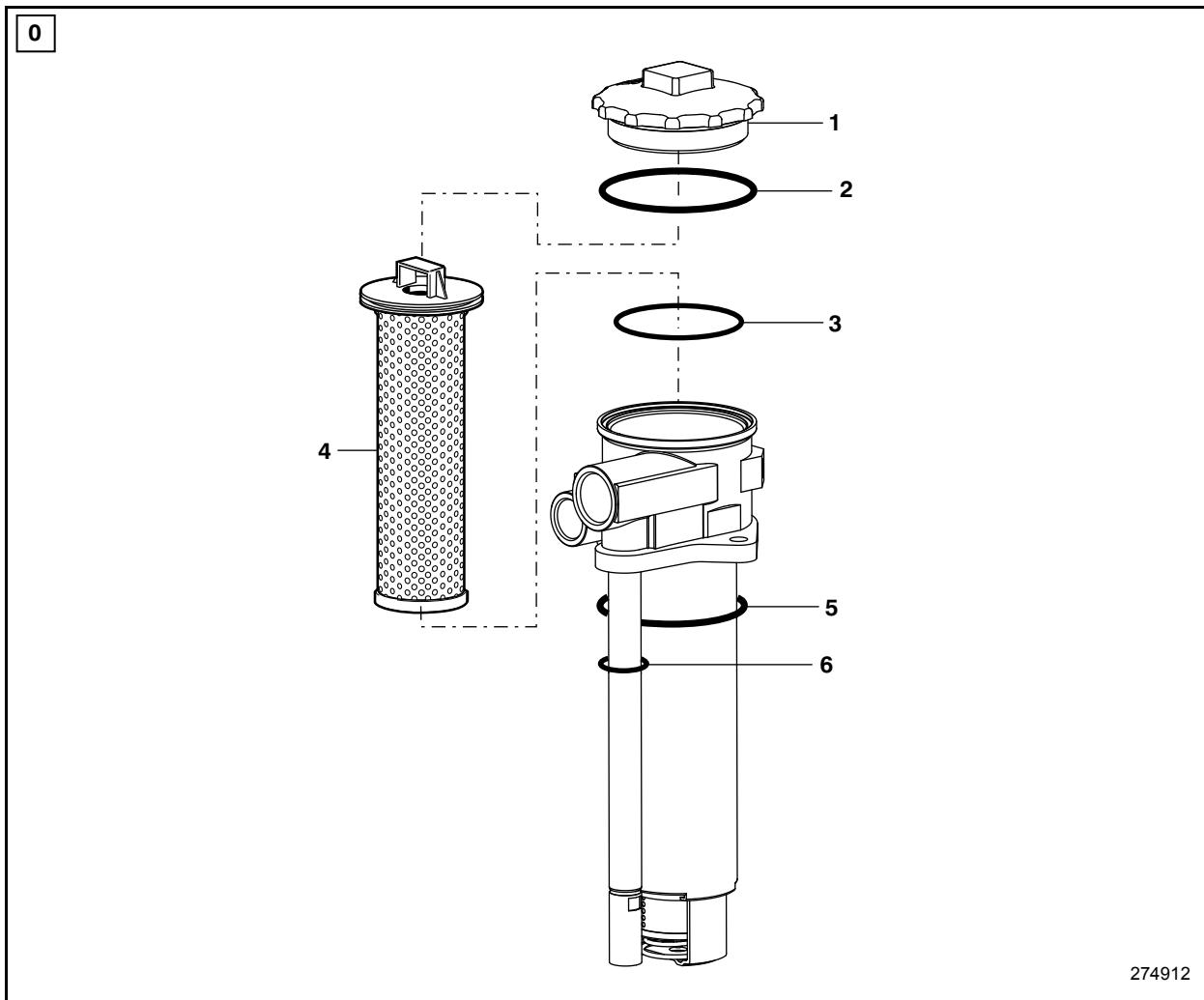
Primary Air Filter



Fuel/Water Separator

Ref. No. Part No.	Description	Qty.	Ref. No. Part No.	Description	Qty.
1 425-35259	OIL FILTER	1	5 420-36075	ELEMENT/AIR CLEANER	1
2 270900	ELEMENT/FILTER	1	6 185693	SCREEN/SEPARATOR	1
3 203221	ELEMENT	1			
4 420-36076	ELEMENT/SECONDARY/AIR	1			

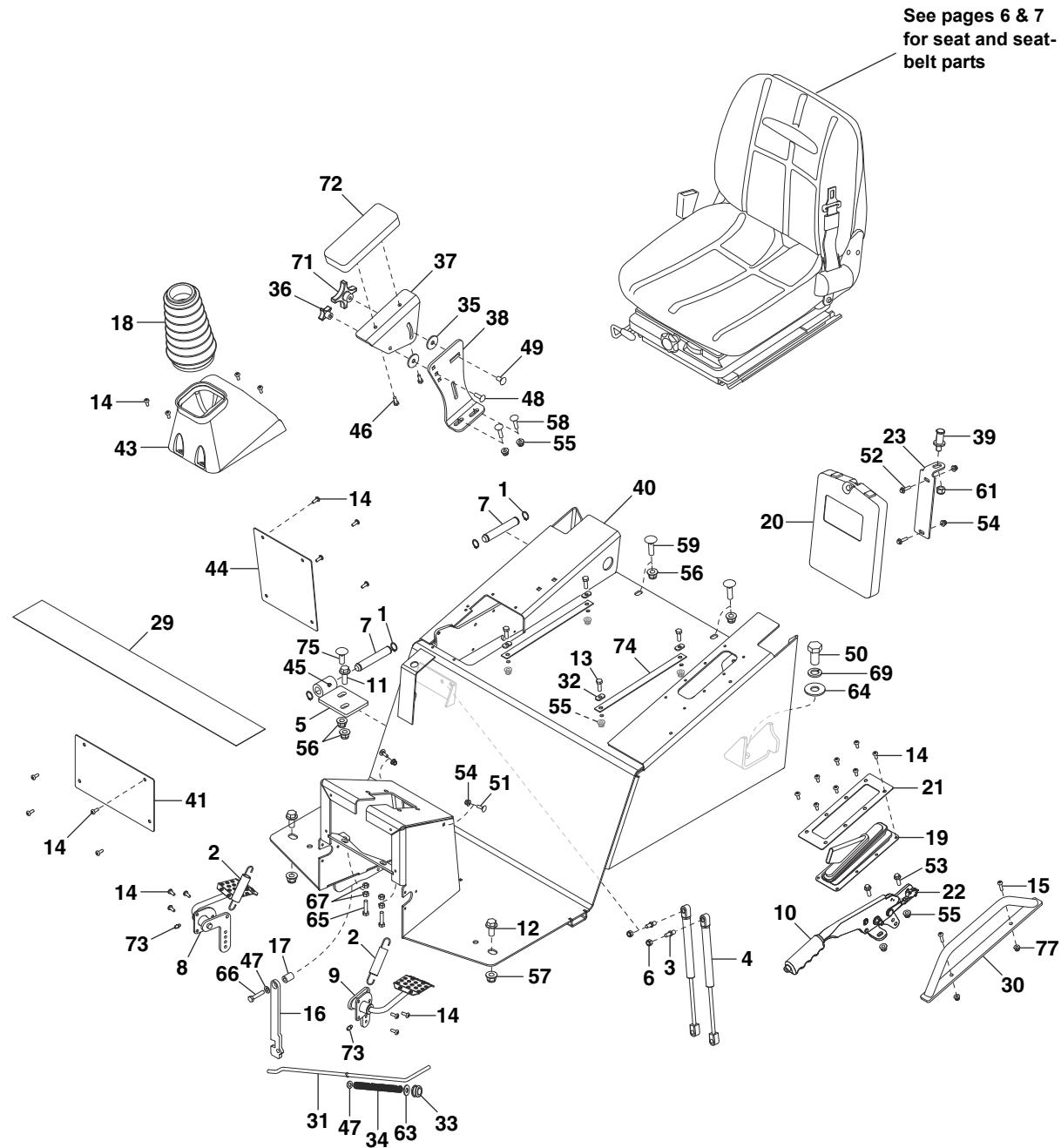
AL 140 - FILTERS
RETURN FILTER - 274912



Ref.	No.	Part No.	Description	Qty.
0	274912		FILTER/RETURN COMPLETE	1
1	270896		CAP	1
2	270897		SEAL	1
3	270899		O-RING 72X3	1
4	270900		ELEMENT/FILTER	1

Ref.	No.	Part No.	Description	Qty.
5	270901		O-RING 84X4	1
6	270902		O-RING 23X4	1

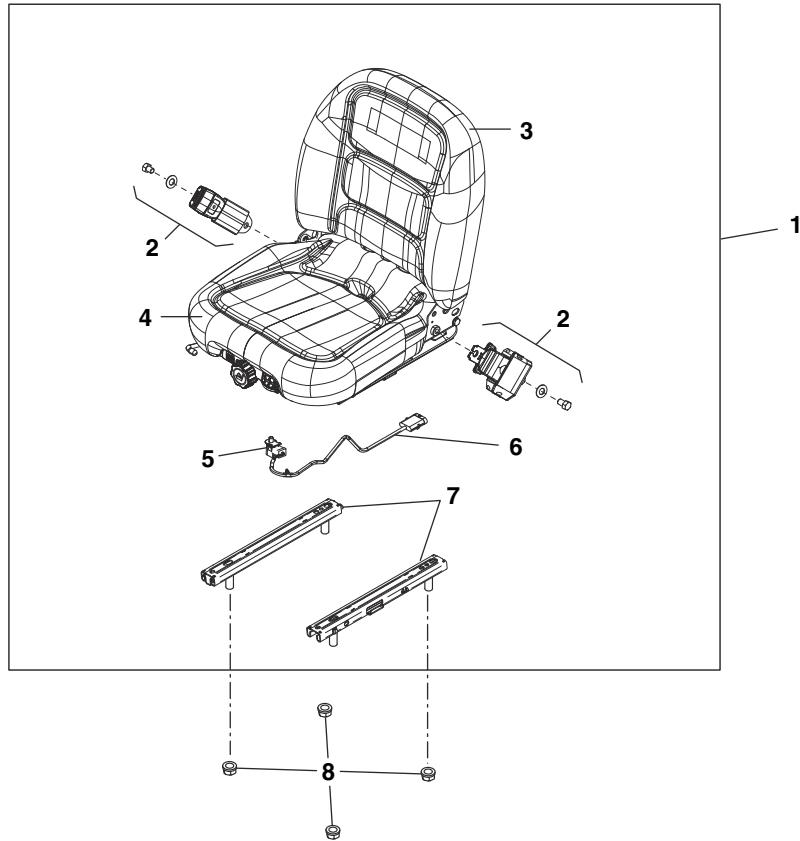
AL 140 - CHASSIS OPERATOR'S PLATFORM



**AL 140 - CHASSIS
OPERATOR'S PLATFORM**

Ref.	No. Part No.	Description	Qty.	Ref.	No. Part No.	Description	Qty.
1	067950	RING/EXTERNAL RETAINING	4	40	50301499	WDMT/OP PLATFORM AL100 (SN 11393 and up) (shown)	1
2	079061	SPRING/EXTENSION	2		273760	PLATFORM/OPERATOR (SN 11392 and before)	1
3	122485	STUD/BALL 10MM	2	41	273862	COVER/FRT/VLV/STRG	1
4	170-34978	GAS SPRING	2	43	274411	COVER/CONTROL VALVE	1
5	176243	HINGE	1	44	274431	COVER/REAR STRG VLV	1
6	L520004	NUT/.31-18 NYLON	2	45	570021	FITTING/GREASE 3/16 DRIVE	1
7	176383	PIN/HINGE	2	46	650448	CS 1/4X3/4 C5ZY	2
8	176417	PEDAL/ACCELERATOR	1	47	650810	FW 5/16 ANZY	2
9	176429	PEDAL/INCHING/BRAKE	1	48	651065	CB SN 5/16X1 C5ZY	1
10	176544	LEVER/HAND BRAKE	1	49	650704	CB 3/8X1 C5ZY	1
11	176656	CS FLH M12-1.75X35 C8.8ZY SP DN1665	1	50	651419	CS M20-2.5X40 C10.9 ZY DIN931	1
12	176657	CS FLH M16-2.00X35 C8.8ZY SP DN1665 (w/ two-post ROPS)	2	51	651690	CB M6-1.00X20 C8.8 ZY DIN603	2
13	176659	CS M8-1.25X25 C8.8ZY SP DIN931	4	52	651694	CS FL M6-1.00X25 C8.8 ZY DIN1662	2
14	176681	SCREW/TPH TF TORX M6-1.00X16 CZY	26	53	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	2
15	651713	CB M8-1.25X25 C8.8 ZY DIN603	2	54	651705	LN INST FL M6-1.00 C8 ZY DIN6926	4
16	176770	BAR/PROP	1	55	651706	LN INST FL M8-1.25 C8 ZY DIN6926	8
17	176771	SPACER	1	56	651708	LN INST FL M12-1.75 C8 ZY DIN6926	4
18	176825	BOOT/JOYSTICK	1	57	651709	LN INST FL M16-2.00 C8 ZY DIN6926 (w/ two-post ROPS)	2
19	176858	BOOT/BRAKE/PARKING	1	58	651716	CB M8-1.25X35 C8.8 ZY DIN603	2
20	192194	HOLDER/MANUAL	1	59	651748	CB M12-1.75X45 C8.8 ZY DIN603	2
21	201006	HOLD -DOWN/BOOT	1	61	651770	LN INS M12-1.75 C8 ZY DIN985	1
22	201168	SWITCH/PARKING BRAKE	1	63	654006	FW 3/8 AWZY	1
23	201215	BRACKET/BOLT/STRIKER	1	64	654014	FW 3/4 AWZY	1
29	270057	TAPE/ANTI-SLIP (5.08FT)	1	65	656002	CS M8-1.25X35 C8.8 ZY DIN931	2
30	270119	HANDLE/WLDMT	1	66	656003	CS M8-1.25X40 C8.8 ZY DIN931	1
31	270140	ROD/LATCH	1	67	656048	HN M8-1.25 C8 ZY DIN934	4
32	270388	SQ WASHER	4	69	656143	LW M20 ZY DIN127	1
33	270732	GROMMET .62ID .312GW .91GD	1	71	L69755	KNOB	1
34	271029	SPRING/COMP .64 X 6.0	1	72	L69756	REST/ARM	1
35	271098	WASHER/PLASTIC	2	73	613052	FITTING/GREASE M6X1	2
36	271997	KNOB/FOUR-ARM	1	74	275287	SHIM/SEAT	2
37	272020	BRACKET/ARM REST	1	75	651729	CB M12-1.75x35 C8.8 ZY DIN603	1
38	272037	BRACKET/ARM REST	1	77	651706	LN INST FL M8-1.25 C8 ZY DIN6926	2
39	272245	STRIKER/BOLT	1				

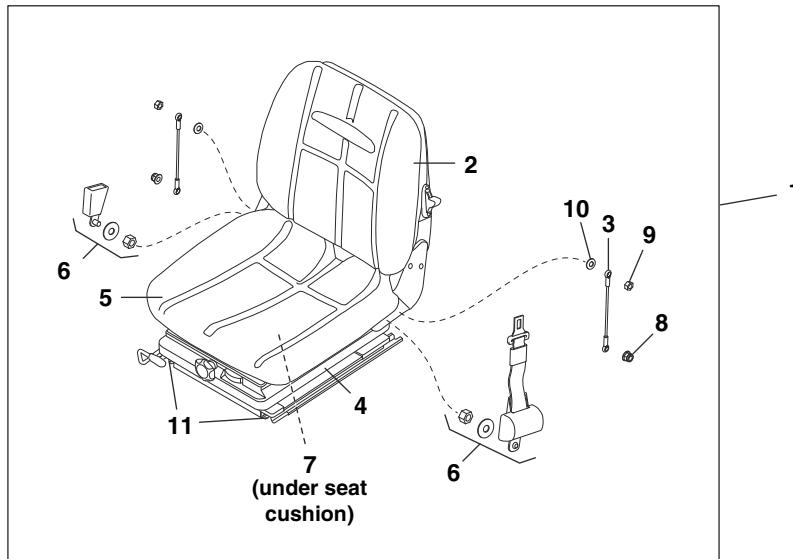
AL 140 - CHASSIS
SEAT AND SEATBELT -- (SN 11592 AND UP)



50303868

Ref.	No.	Part No.	Description	Qty.	Ref.	No.	Part No.	Description	Qty.
1	50303868	SEAT/LOW-PROFILE (Incl. Ref. 2-7)		1	5	50288036	SEAT SWITCH		1
2	50288039	SEAT BELT		1	6	50288038	WIRE HARNESS		1
	50288040	3" SEAT BELT (OPTION)		1	7	50288032	SLIDE KIT		1
3	50288033	BACK CUSHION KIT		1	8	651706	LN INST FL M8-1.25 C8 ZY DIN6926		4
4	50288035	SEAT CUSHION KIT		1					

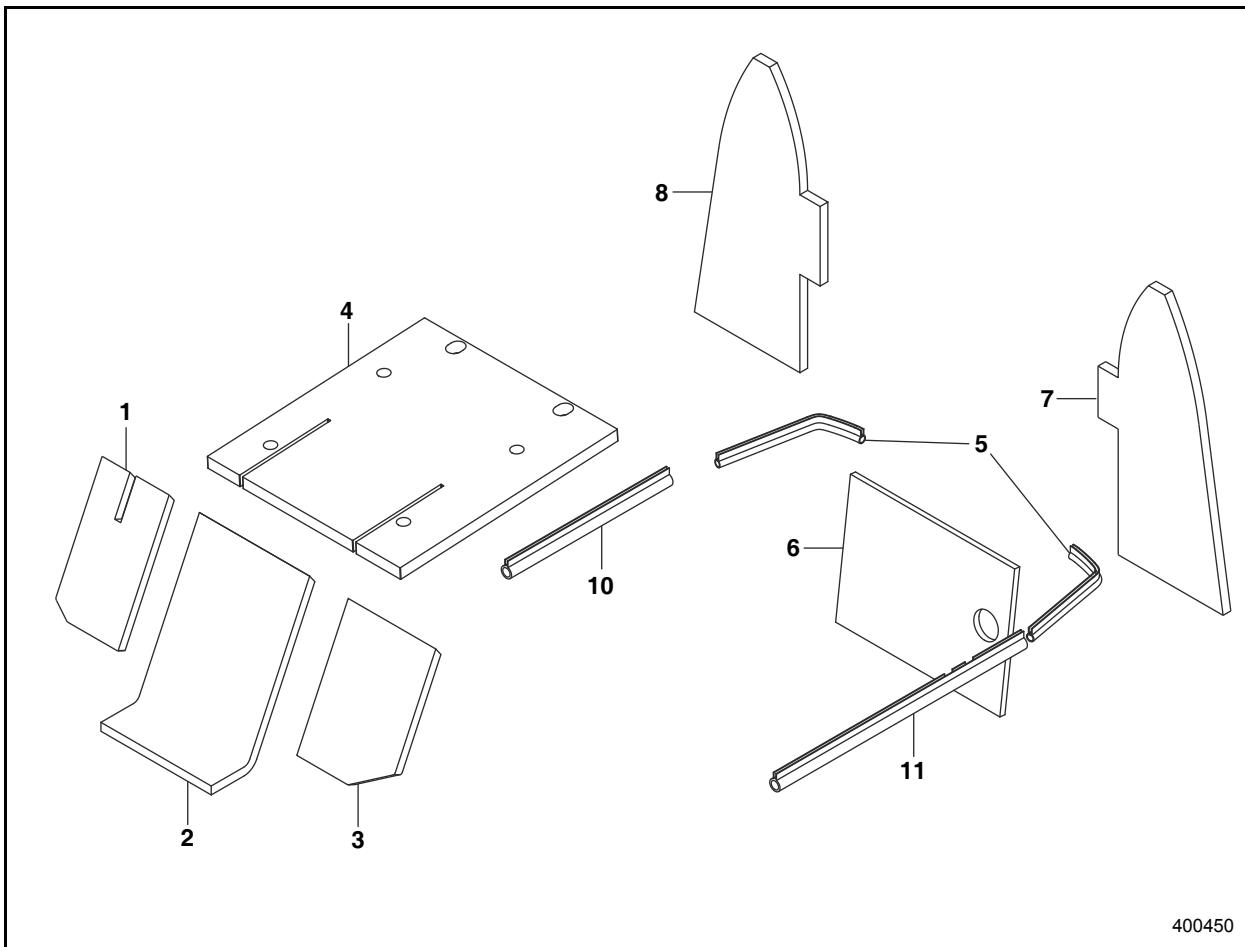
AL 140 - CHASSIS
SEAT AND SEATBELT -- (SN 11257 - 11591)



50301521_50301571

Ref.	No.	Part No.	Description	Qty.	Ref.	No.	Part No.	Description	Qty.
1	50301521	SEAT/LOW PROFILE (new style - seat switch with single waterproof connector)			6	270050	SEATBELT/2 INCH (standard)		1
	50301571	KIT/LOW PROFILE SEAT (kit upgrades machines with old style seat and seat switch, two wires - spade connectors)		1		274279	SEATBELT/3 INCH (option - domestic only)		1
2	270049	BACKREST		1	7	50301523	SWITCH/SEAT (operator presence) (new style with single waterproof connector)		1
3	204078	CABLE		2		50301576	KIT/CUSHION AND SWITCH (kit upgrades machines with old style seat switch, two wires - spade connectors)		1
4	270225	SUSPENSION/LOW PROFILE		1	8	651780	LN INS M8-1.25 C8 ZY DIN985		2
5	50301569	PKG/CUSHION REPLACEMENT (for machines with new style seat switch, single waterproof connector) [Ref. 7 included]		1	9	656063	HJN M8-1.25 C4 ZY DIN439		2
	270047	CUSHION (for machines with old style seat switch, two wires - spade connectors) [Ref. 7 not included; order 50301576 for switch replacement]		1	10	656133	FW M10 ZY DIN125		2
					11	50301570	RAILSLIDE (pair)		1

AL 140 - CHASSIS
ISOLATION MATS (EU-STD, DOMESTIC-OPTION)



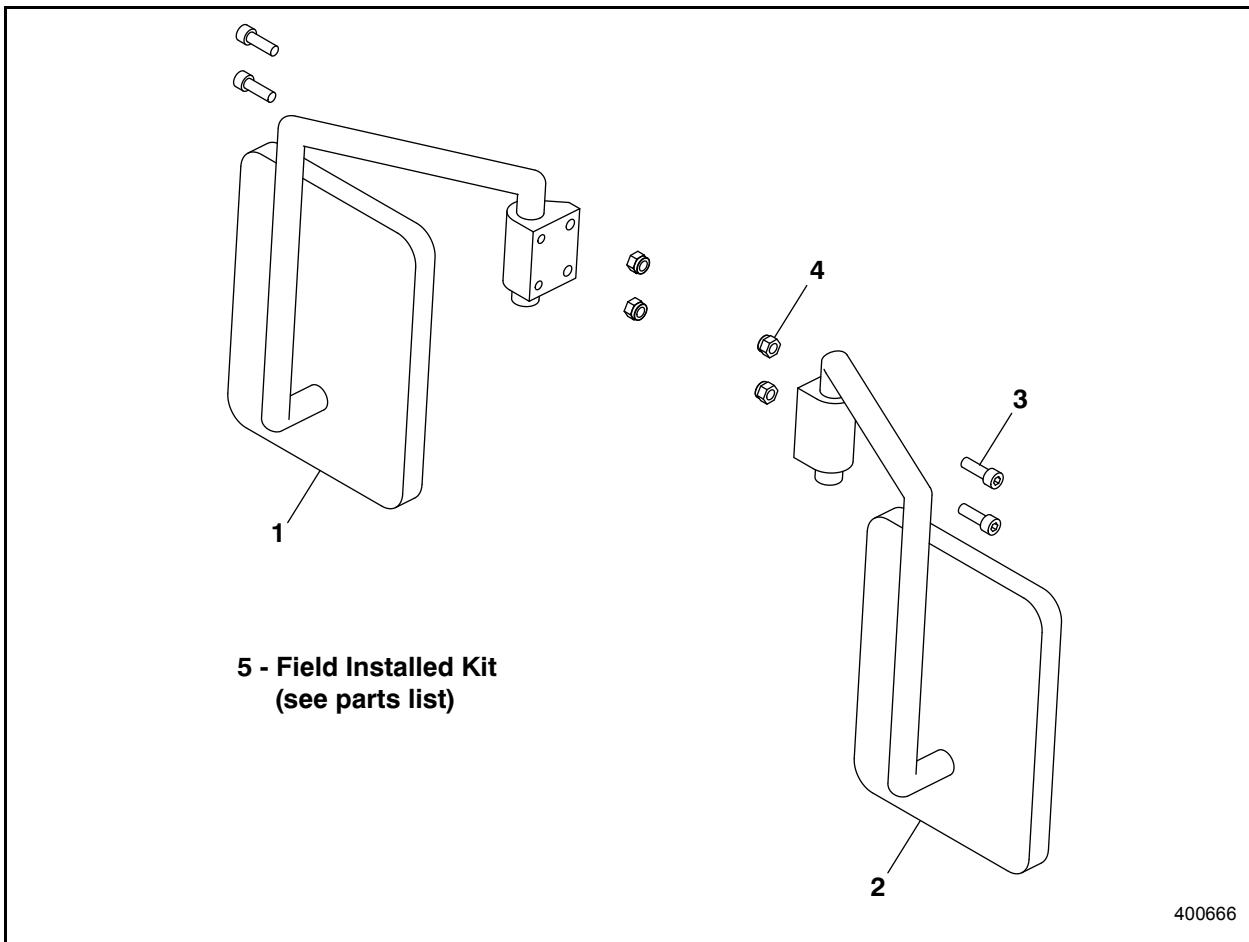
Ref.

No.	Part No.	Description	Qty.
1	270126	PAD/SOUND FTRH SEATDECK	1
2	270127	PAD/SOUND FTCTR SEATDECK	1
3	270128	PAD/SOUND FTLH SEATDECK	1
4	270129	PAD/SOUND TOP SEATDECK	1
5	270536	SEAL/BULB	2
6	270549	FOAM/SOUND	1

Ref.

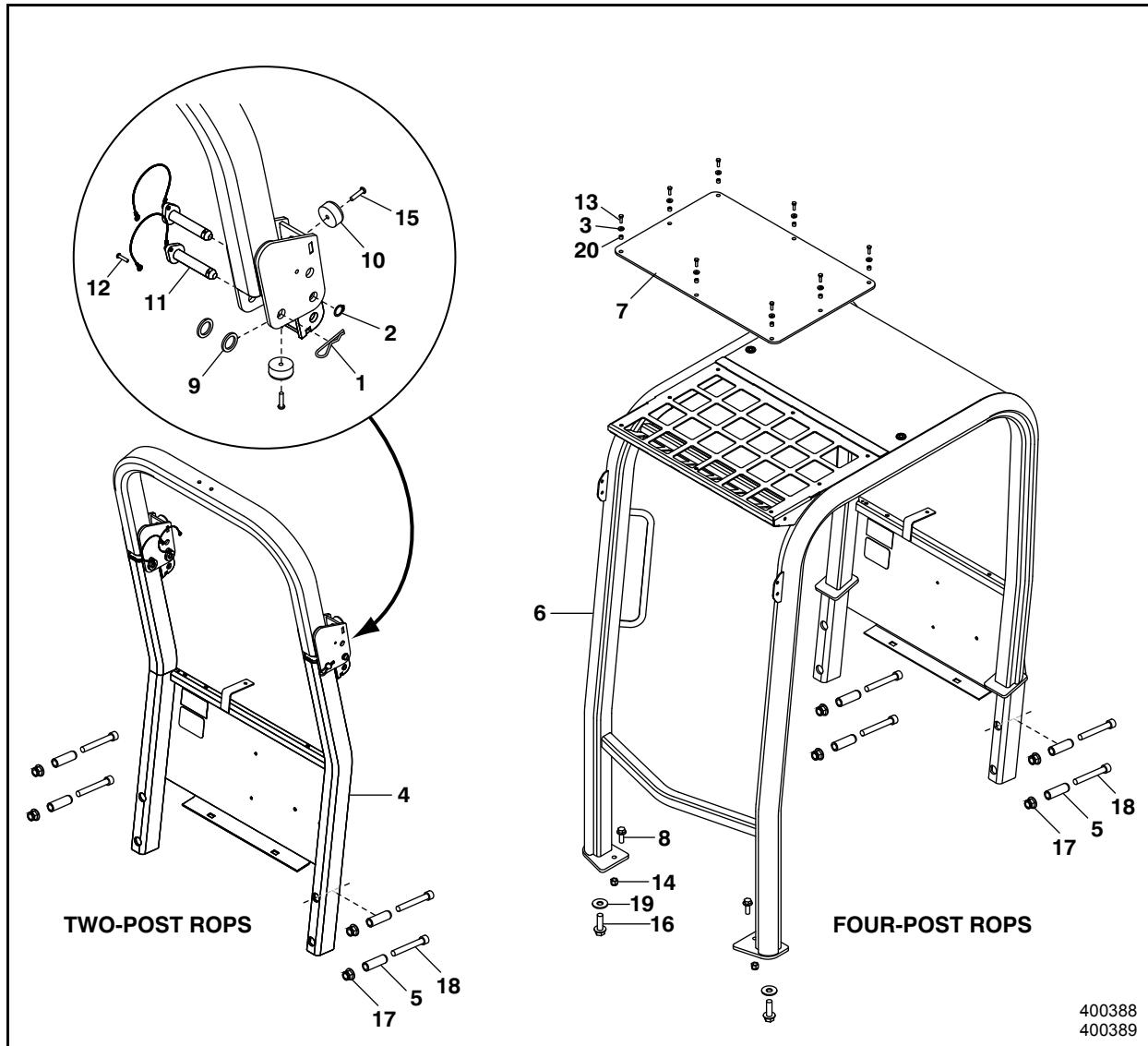
No.	Part No.	Description	Qty.
7	270550	FOAM/SOUND	1
8	270552	FOAM/SOUND	1
10	270590	SEAL/BULB (SN 11392 and before)	1
11	270593	SEAL/BULB (SN 11392 and before)	1

**AL 140 - CHASSIS
MIRRORS (OPTION)**



Ref.				Ref.			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
1	270836	MIRROR/RT	1	5	809479	MIRROR KIT (not for 2-Post ROPS)	1
2	270768	MIRROR/LT	1				
3	656123	SHCS M8-1.25X25 C12.9 ZY DIN912	4				
4	651458	LN INS M8-1.25 C8 ZY DIN6924	4				

AL 140 - CHASSIS
ROPS - TWO-POST AND FOUR-POST



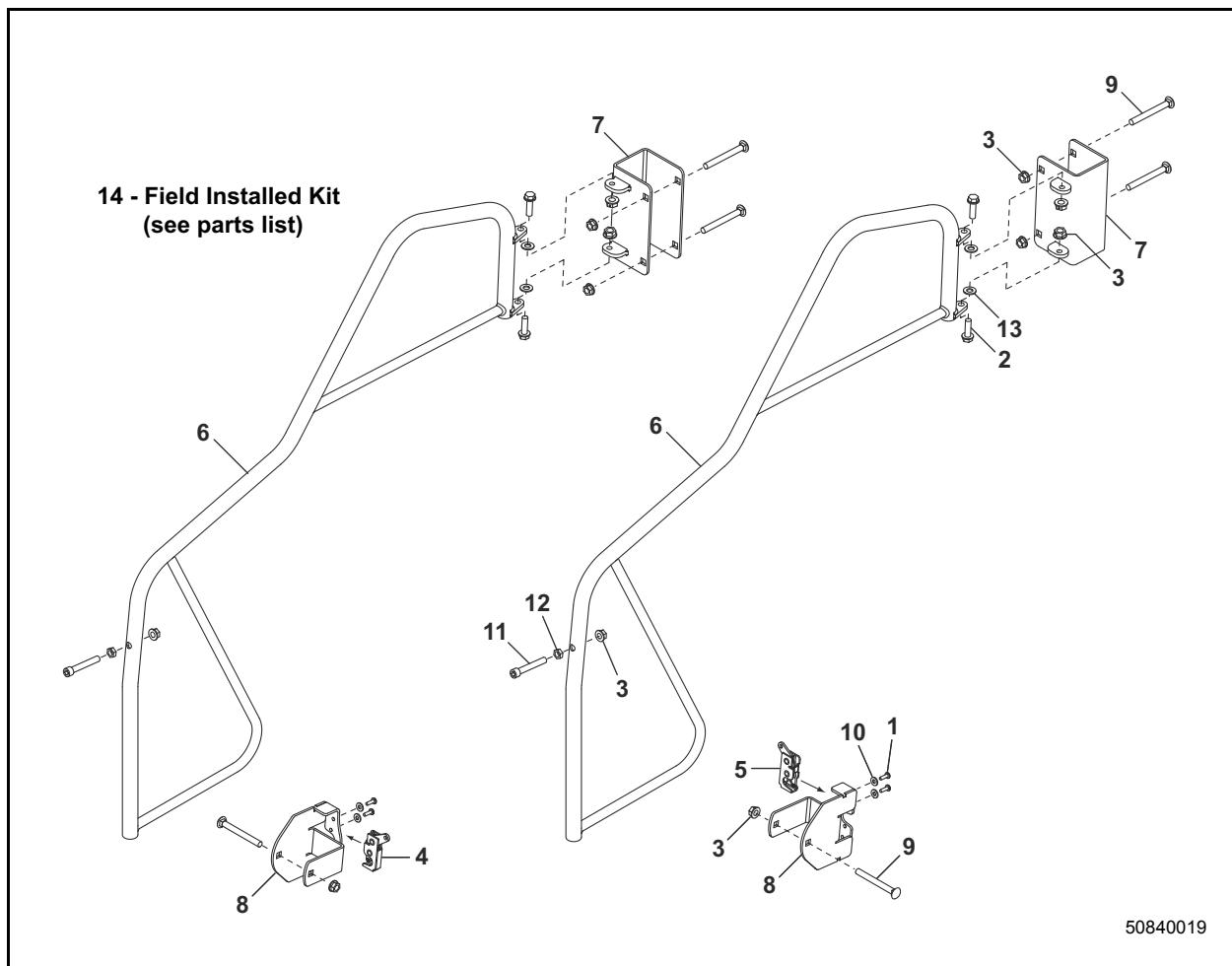
Ref.

No.	Part No.	Description	Qty.
1	076100	COTTER/HAIRPIN 1/8X2-3/8	2
2	087596	RING/RETAINING	2
3	137462	WASHER 1/4 SEALING FASTENAL#3	8
4	176338	ASSY/TWO POST ROPS	1
5	176341	INSERT	4
6	176522	ASSY/FOUR POST ROPS	1
7	176539	WINDOW/SKYLIGHT	1
8	176656	CS FLH M12-1.75X35 C8.8ZY SP DN1665	2
9	201032	SPACER/PLASTIC	4
10	201034	BUMPER/RUBBER	4
11	50301026	KIT/PIN & LANYARD	4

Ref.

No.	Part No.	Description	Qty.
12	651421	CS M4-0.7X16 C8.8 ZY DIN931	2
13	651424	CS M6-1X20 C8.8 ZY DIN931	8
14	651449	LN INST M12-1.75 C8 ZY DIN6924	2
15	651683	BHSCS M6-1.00X25 C10.9 BO ISO7380	4
16	651702	CS FLH M16-2.00X50 C8.8 ZY DIN1665	2
17	651709	LN INST FL M16-2.00 C8 ZY DIN6926	4
18	651750	SHCS M16-2.00X120 8.8 ZY DIN912	4
19	654012	FW 5/8 AWZY	2
20	274714	SPACER	8

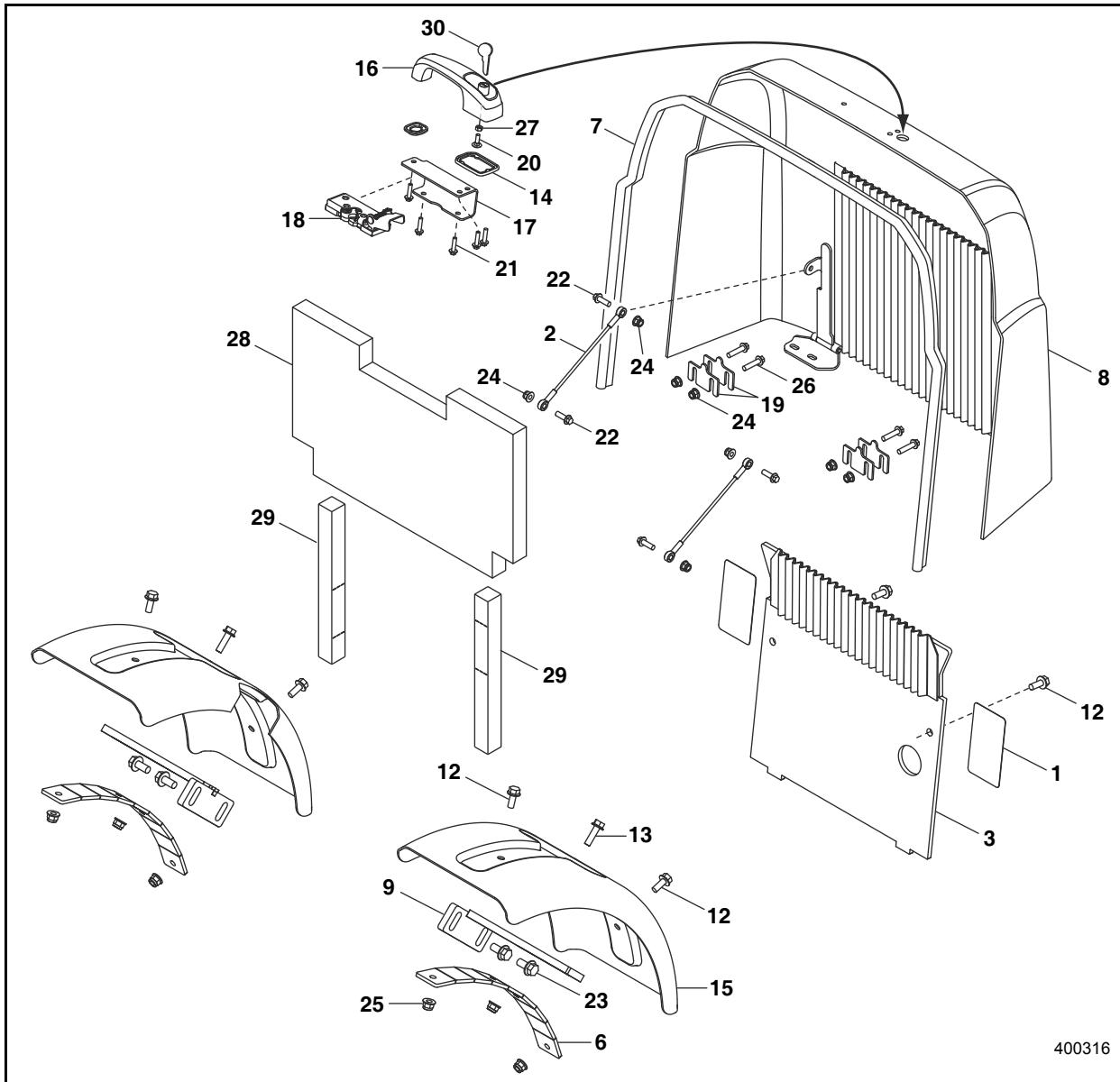
**AL 140 - CHASSIS
SIDE GATES - FOUR-POST ROPS**



Ref.

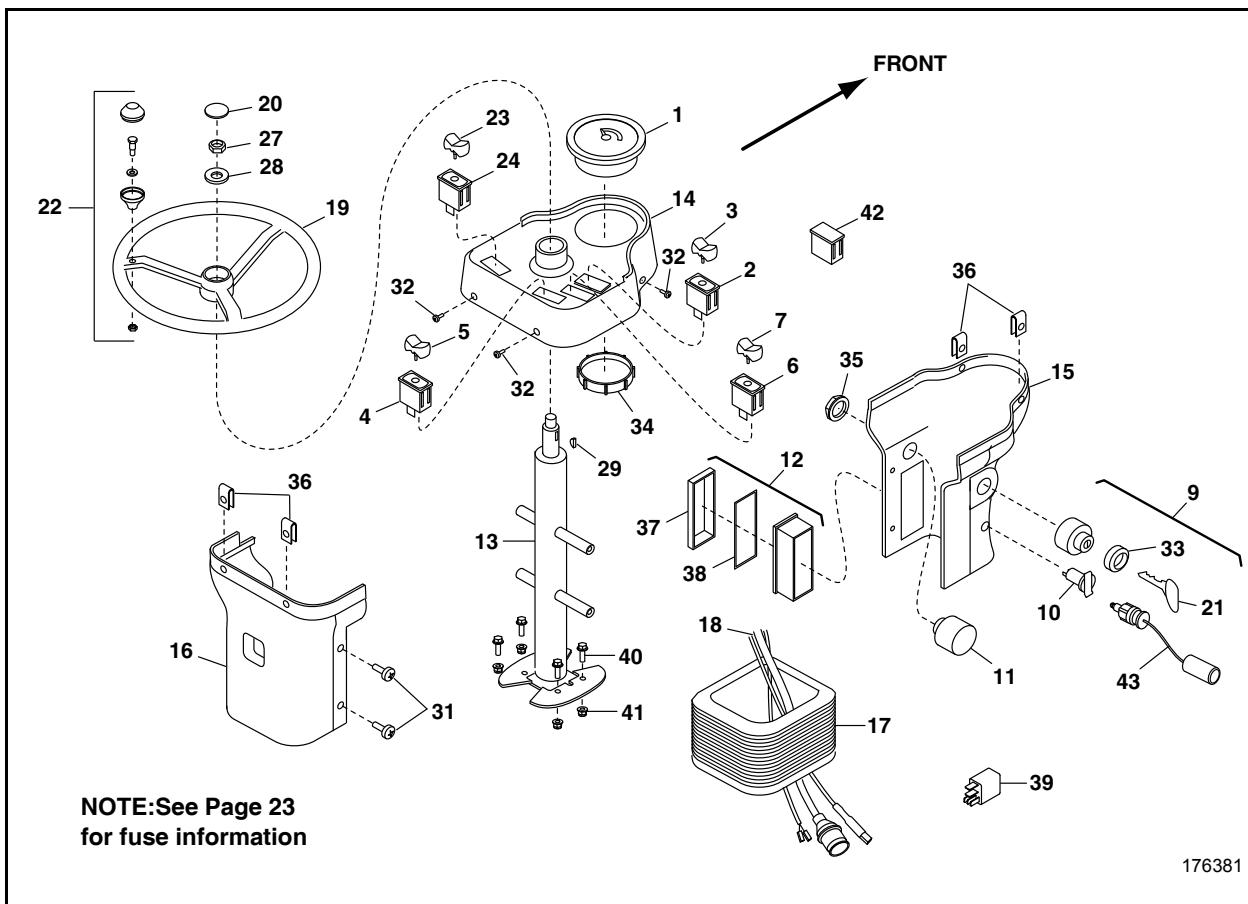
No.	Part No.	Description	Qty.
1	176680	SCREW/TPH TF TORX M5-0.8X16 CZY	4
2	50657016	SCREW/THWH TC USL 3/8X1-1/4 CZY	4
3	210-19533	LN FL CTR 3/8 CFZY	12
4	50300460	LATCH/MINI/ROTARY, RT	1
5	50300514	LATCH/MINI/ROTARY, LT	1
6	50300542	DOOR	2
7	50300543	HINGE BRACKET	2
8	50300565	LATCH BRACKET	2
9	650540	CB 3/8X3-1/2 C5ZY	6
10	650854	FW #12 AZY	4
11	651298	SHCS HS 3/8X2-1/2 C	2
12	653038	HJN 3/8 C2ZY	2
13	654049	FW 3/8 ANZY	4
14	50840019	SIDE GATES/4-POST ROPS AL100	1

AL 140 - CHASSIS COVERS



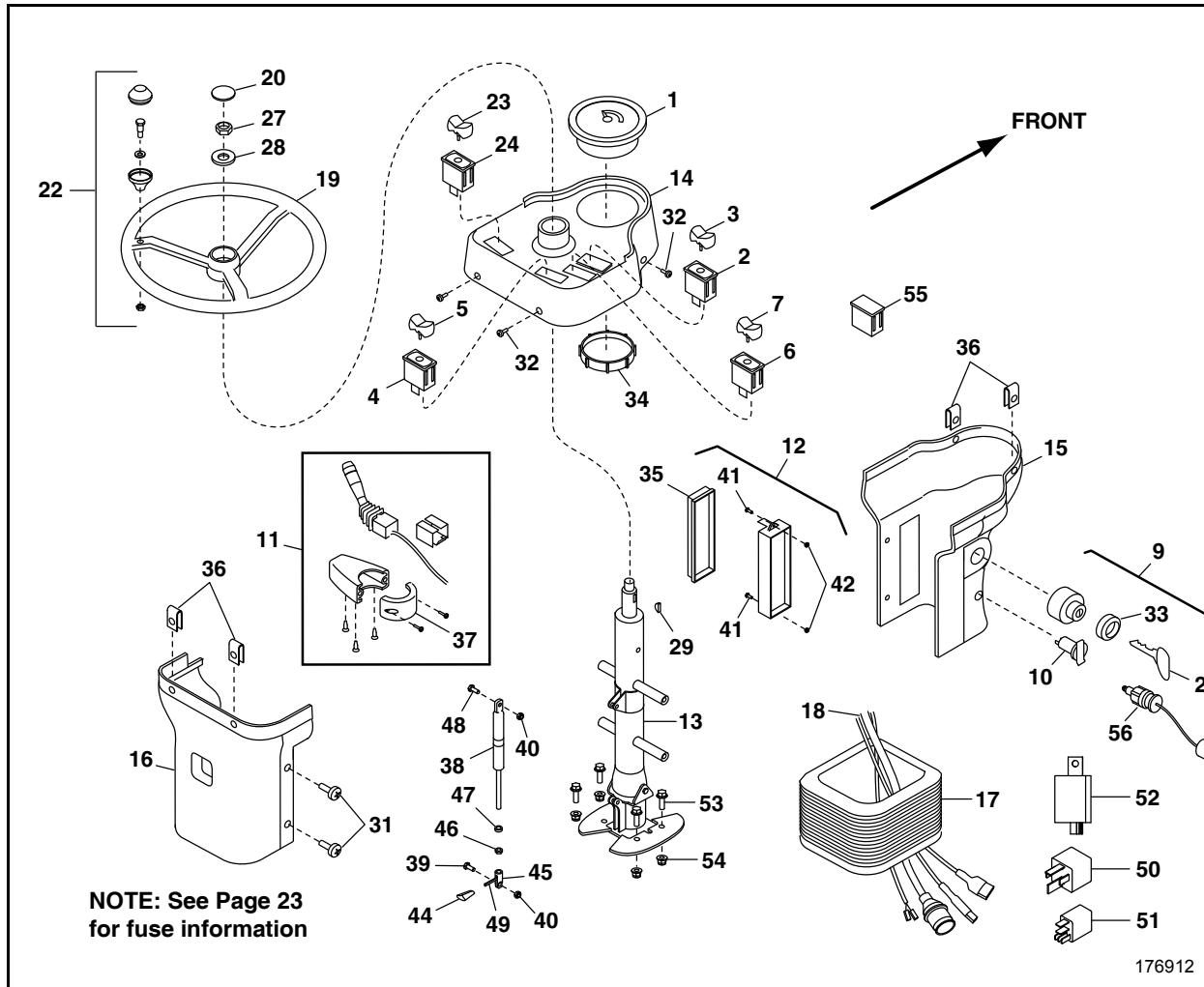
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	137545	DECAL/REFLECTOR, RED	2	18	201219	LATCH/ROTOR/DOUBLE	1
2	175680	ASSY/ROPE/WIRE	2	19	270385	SHIM	4
3	176276	WDMT/COVER/REAR	1	20	651690	CB M6-1.00X20 C8.8 ZY DIN603	1
6	176392	SUPPORT/FENDER	2	21	651694	CS FL M6-1.00X25 C8.8 ZY DIN1662	5
7	176473	SEAL/BULB	1	22	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	4
8	176474	ASSY/HOOD AL140	1	23	651699	CS FLH M12-1.75X25 C8.8 ZY DIN1665	4
9	176647	WDMT/FENDER BRKT	2	24	651706	LN INST FL M8-1.25 C8 ZY DIN6926	8
12	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665	6	25	651707	LN INST FL M10-1.50 C8 ZY DIN6926	6
13	176655	CS FLH M10-1.5X35 C8.8ZY SP DIN1665	2	26	651720	CS FL M8-1.25X35 C8.8 ZY DIN1662	4
14	176736	GASKET/HANDLE	1	27	656047	HN M6-1 C8 ZY DIN934	1
15	176793	FENDER	2	28	50300277	FOAM/SOUND (inside hood)	1
16	176809	HANDLE/BUTTON/PUSH (W/ KEY)	1	29	50300278	FOAM/SOUND (inside hood, SN 11393 and up)	2
17	201217	BRACKET/LATCH	1	30	176470	KEY	1

AL 140 - CHASSIS
STEERING COLUMN - STANDARD



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201234	GAUGE/9 ICON	1	22	202678	KIT/STEERING KNOB	1
2	270496	SWITCH/HORN	1	23	271136	TOGGLE/POWER-A-TACH	1
3	270497	TOGGLE/HORN	1	24	271135	SWITCH/POWER-A-TACH	1
4	270498	SWITCH/WORKLIGHT	1	27	270521	HJN M18	1
5	270499	TOGGLE/WORK LIGHT	1	28	270522	WASHER/M18	1
6	270500	SWITCH/BEACON	1	29	270523	KEY/WOODRUFF	1
7	270501	TOGGLE/BEACON	1	31	230071	SCREW/PTHM M6 X 16	4
9	270503	SWITCH/IGNITION W/KEYS (includes Ref. Nos. 21 & 33)	1	32	230072	SCREW/PTHM M4 X 12	4
10	230062	SOCKET/ELECTRICAL ACC.	1	33	270527	COVER/PLASTIC	1
11	270505	BUZZER W/NUT (includes Ref. No. 35)	1	34	270528	RING/RETAINING	1
12	270506	BOX/FUSE W/COVER (includes Ref. Nos. 37 & 38)	1	35	270529	NUT/PLASTIC	1
13	270507	SHAFT/STEERING	1	36	270530	NUT/EXTRUDED M4	4
14	270508	PANEL/INSTRUMENT	1	37	270531	FUSE BOX COVER	1
15	270509	CONSOLE/FRONT STEERING	1	38	270532	O-RING	1
16	270510	CONSOLE/BACK STEERING	1	39	183733	RELAY/20 AMP/MICRO (front and rear work lights)	2
17	270511	BOOT/STEERING CONSOLE	1	40	176654	CS FLH M10-1.5X30 C8.8ZY SP DIN1665	4
18	270512	HARNESS/WIRE	1	41	651707	LN INST FL M10-1.50 C8 ZY DIN6926	4
19	270513	WHEEL/STEERING	1	42	242636	PANEL PLUG (BLANK)	A/R
20	270715	CAP/STEERING WHEEL	1	43	50381136	ADAPTER/DIN SOCKET (NOT EU)	1
21	270584	KEY/IGNITION (SET/2)	1				

AL 140 - CHASSIS
STEERING COLUMN - DELUXE (EU ONLY)



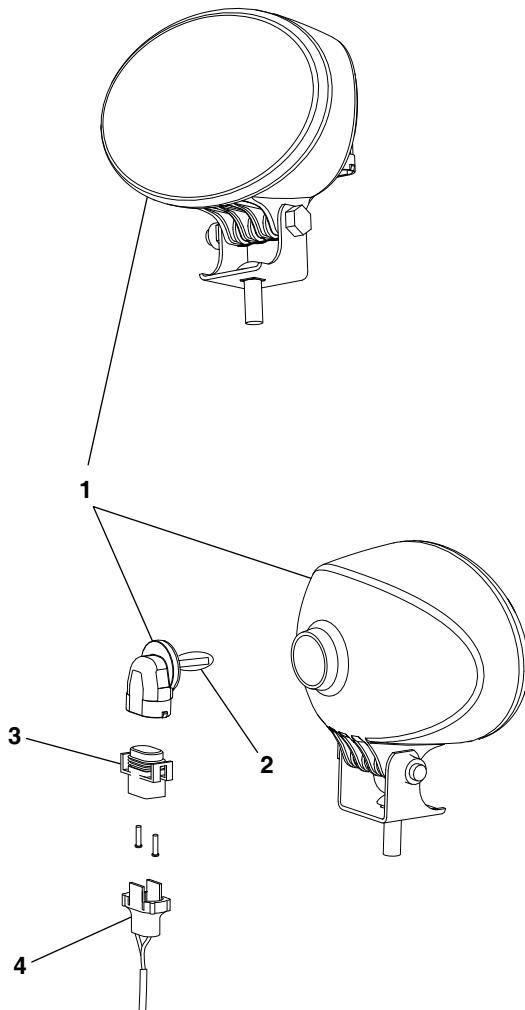
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	50300324	GAUGE/DELUXE	1	17	270713	BOOT/STEERING CONSOLE	1
2	270731	SWITCH/HAZARD	1	18	270714	HARNESS/WIRE	1
3	270707	TOGGLE/HAZARD	1	19	270513	WHEEL/STEERING	1
4	270498	SWITCH/WORK LIGHT	1	20	270715	CAP/STEERING WHEEL	1
5	270499	TOGGLE/WORK LIGHT	1	21	270584	KEY/IGNITION (SET/2)	1
6	270500	SWITCH/BEACON	1	22	202678	KIT/STEERING KNOB	1
7	270501	TOGGLE/BEACON	1	23	271136	TOGGLE/POWER-A-TACH	1
9	270503	SWITCH/IGNITION W/KEYS (includes Ref. Nos. 21 & 33)	1	24	271135	SWITCH/POWER-A-TACH	1
10	230062	SOCKET/ELECTRICAL ACC.	1	27	270521	HJN M18	1
11	270708	STALK/CONTROL (includes Ref. No. 37)	1	28	270522	WASHER/M18	1
12	270709	BOX/FUSE (includes Ref. Nos. 35, 41 & 42)	1	29	270523	KEY/WOODRUFF	1
13	270710	SHAFT/STEERING	1	31	230071	SCREW/PTHM M6 X 16	4
14	270711	PANEL/INSTRUMENT	1	32	230072	SCREW/PTHM M4 X 12	4
15	270712	CONSOLE/FRONT STEERING	1	33	270527	COVER/PLASTIC	1
16	270510	CONSOLE/BACK STEERING	1	34	270528	NUT/PLASTIC	1
				35	270716	COVER/FUSE BOX	1
				36	270530	NUT/EXTRUDED M4	4

AL 140 - CHASSIS
STEERING COLUMN - DELUXE (EU ONLY)

Ref.

No.	Part No.	Description	Qty.
37	270717	CLAMP/CONTROL STALK	1
38	270718	STRUT	1
39	270728	CS M8 X 30	1
40	270720	LN INST M8	2
41	270721	SCREW/PTHM M4 X 16	2
42	230064	HN M4	2
44	270724	GRIP	1
45	270725	CAM	1
46	270726	HJN M8	1
47	270727	SPACER	1
48	270728	CS M8 X 30	1
49	270729	LEVER	1
50	195075	RELAY/ 70 AMP (Power-A-Tach lock/ unlock, steering column control lever functions)	1
51	183733	RELAY/20 AMP/MICRO (front and rear work lights)	2
52	50300388	MODULE/FLASHER	1
53	176654	CS FLH M10-1.5X30 C8.8ZY SP DIN1665	4
54	651707	LN INST FL M10-1.50 C8 ZY DIN6926	4
55	242636	PANEL PLUG (BLANK)	A/R
56	50381136	ADAPTER/DIN SOCKET (NOT EU)	1

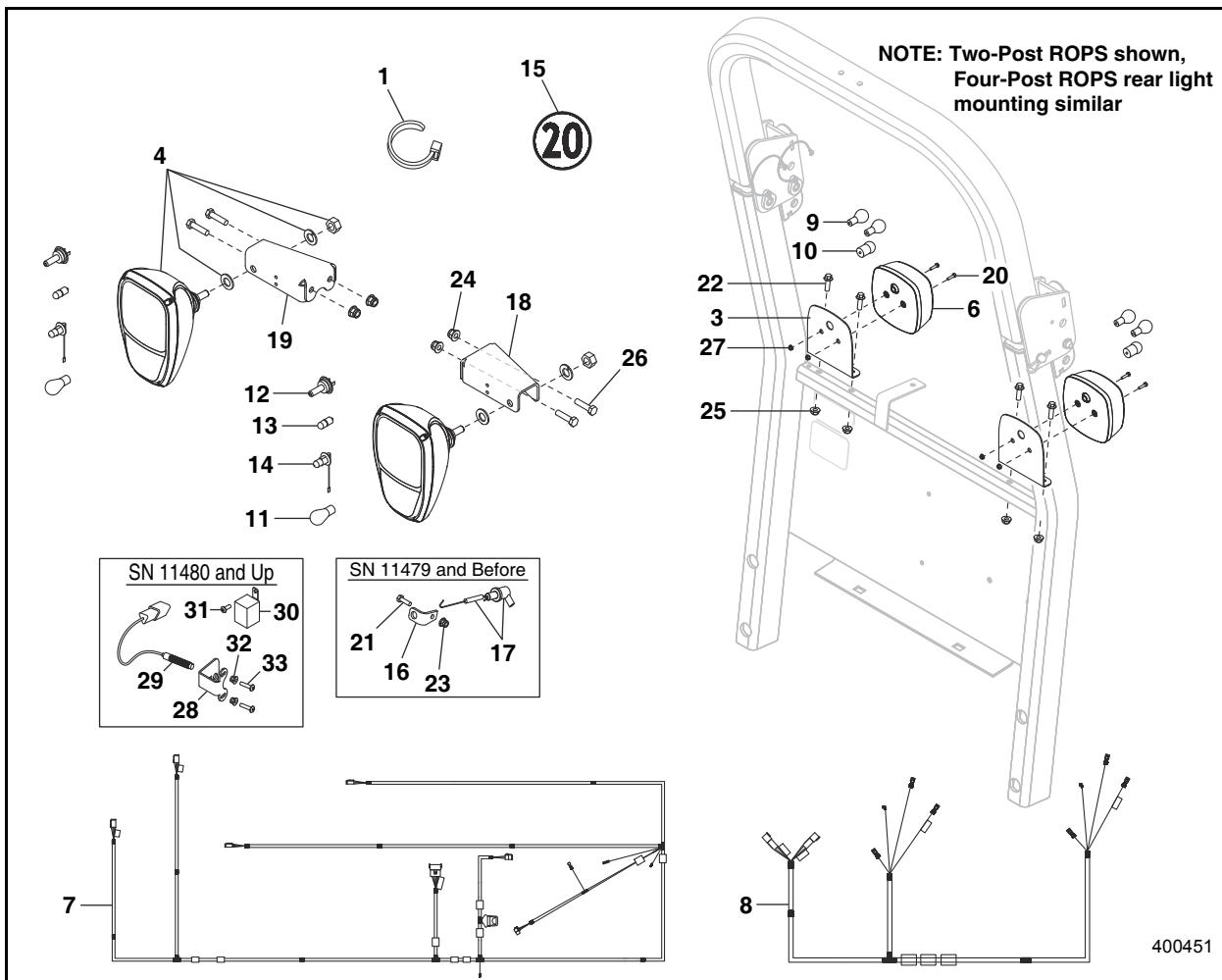
AL 140 - CHASSIS
WORK LIGHTS



Ref.

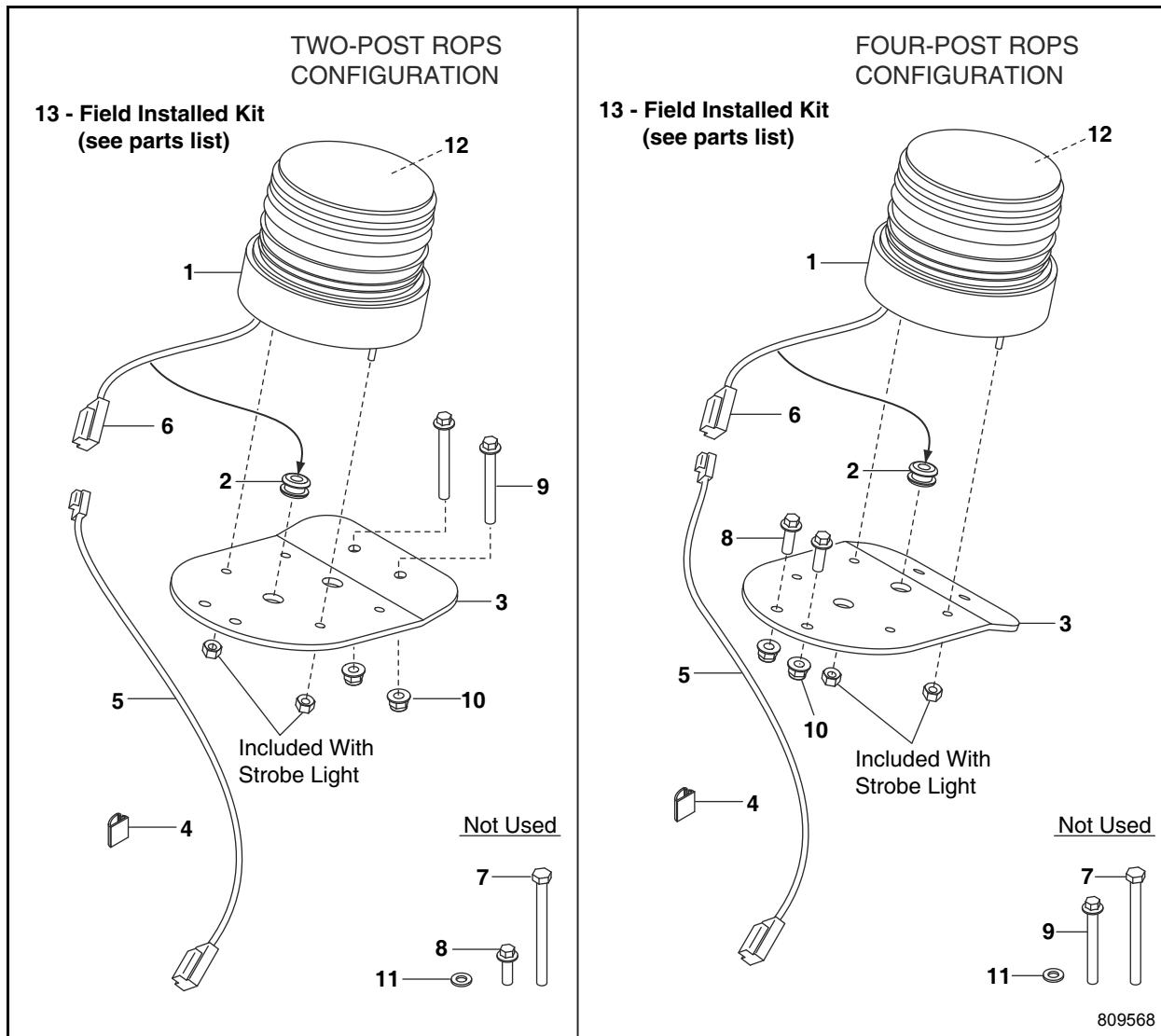
No.	Part No.	Description	Qty.
1	420-36292	HEADLIGHT	2
2	122488	BULB	2
3	420-36141	HOUSING, CONNECTOR FEMALE	2
4	420-36140	SECONDARY LOCK	2

AL 140 - CHASSIS
HEADLIGHTS/TAIL LIGHTS (EU ONLY)



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	055648	TIE/CABLE .19 X 7.50 BLACK	6	21	651424	CS M6-1X20 C8.8 ZY DIN931 (SN 11479 and Before)	1
3	176794	BRKT/REAR LIGHT AL140	2	22	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662	4
4	176911	HEADLIGHT	2	23	651705	LN INST FL M6-1.00 C8 ZY DIN6926 (SN 11479 and Before)	1
6	201173	TAIL LIGHT (3 BULB)	2	24	651707	LN INST FL M10-1.50 C8 ZY DIN6926	4
7	50301483	HARNESS/RD HOMOLOGATION (shown) (SN 11480 and Up)	1	25	651711	LN FL CTR M8-1.25 C8 ZY DIN6927	4
	201212	HARNESS/RD HOMOLOGATION (SN 11479 and Before)	1	26	656010	CS M10-1.5X40 C8.8 ZY DIN931	4
8	201223	HARNESS/AL140 RD TAIL LGHT	1	27	656158	HN FL M4-0.7 C5 ZY DIN6923	4
9	201227	BULB/S812V21W	4	28	50301362	BRACKET/SWITCH AL100 (SN 11480 and Up)	1
10	201228	BULB/G612V10W	2	29	50301214	FERROUS PROX SWITCH/M12 (SN 11480 and Up)	1
11	201229	PY21W12V AMBER BULB	2	30	420-35602	RELAY (brake lights) (SN 11480 and Up)	1
12	201230	H755W12V HALOGEN BULB	2	31	176681	SCREW/TPH TF TORX M6-1.00X16 CZY (SN 11480 and Up)	1
13	201231	T4W12W INCANDESCENT LAMP	2	32	651705	LN INST FL M6-1.00 C8 ZY DIN6926 (SN 11480 and Up)	2
14	201233	H355W12V HALOGEN BULB	2	33	176682	SCREW/TPH TF TORX M6-1.00X25 CZY (SN 11480 and Up)	2
15	270114	DECAL/MAX SPEED	3	34	50301455	KIT/BRAKELIGHT SWITCH AL100 (not shown) (upgrades machines SN 11479 and Before to proximity switch)	1
16	271430	BRAKE SWITCH BRACKET (SN 11479 and Before)	1	35	50301433	HARNESS/BRAKELIGHT (not shown) (used in 50301455 upgrade kit, for SN 11479 and Before)	1
17	271431	BRAKE LIGHT SWITCH (SN 11479 and Before)	1				
18	275105	BRKT/LT FRONT LIGHT	1				
19	275106	BRKT/RT FRONT LIGHT	1				
20	651421	CS M4-0.7X16 C8.8 ZY DIN931	4				

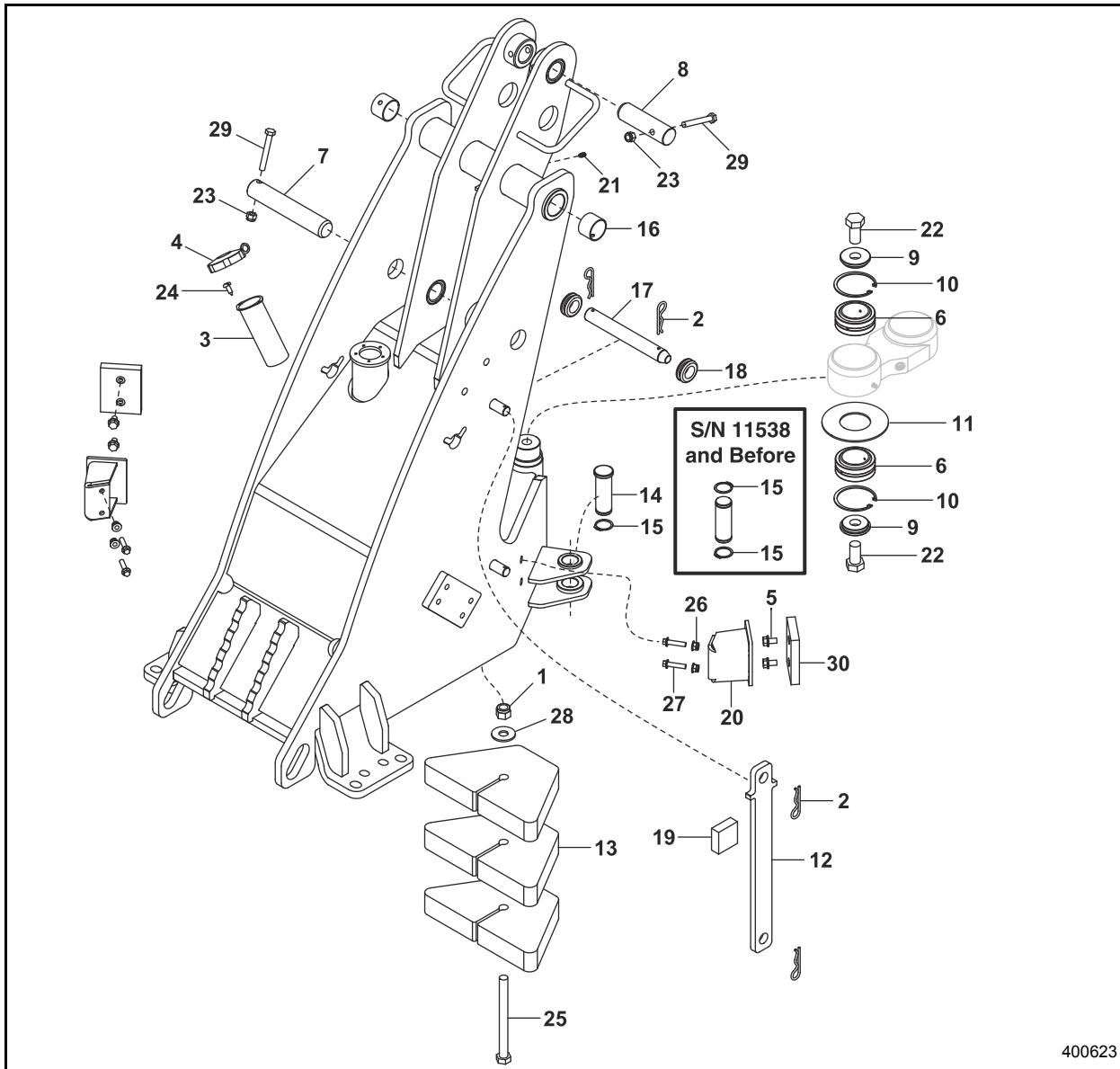
AL 140 - CHASSIS
STROBE LIGHT KIT (OPTION - DOMESTIC ONLY)



Ref. No.	Part No.	Description	Qty.
1	088296	STROBE	1
2	101712	GROMMET .38ID .250GW .62GD	1
3	201237	BRACKET/BEACON	1
4	270192	CLIP/SMALL WIRE	6
5	274117	HARNESS/BEACON	1
6	274135	DEUTSCH M 2-PIN	1
7	651681	CS M8-1.25X100 C8.8 ZY DIN931 (included with kit, not used)	2
8	651695	CS FL M8-1.25X25 C8.8 ZY DIN1662 (used on four-post only)	2

Ref. No.	Part No.	Description	Qty.
9	651696	CS FL M8-1.25X70 C8.8 ZY DIN1662 (used on two-post only)	2
10	651706	LN INST FL M8-1.25 C8 ZY DIN6926	2
11	656111	FW M8 ZY DIN125 (included with kit, not used)	2
12	132318	BULB/STROBE	1
13	809568	BEACON KIT (includes all parts on page, not all parts are used on AL100 Series)	2

**AL 140 - CHASSIS
FRONT FRAME**

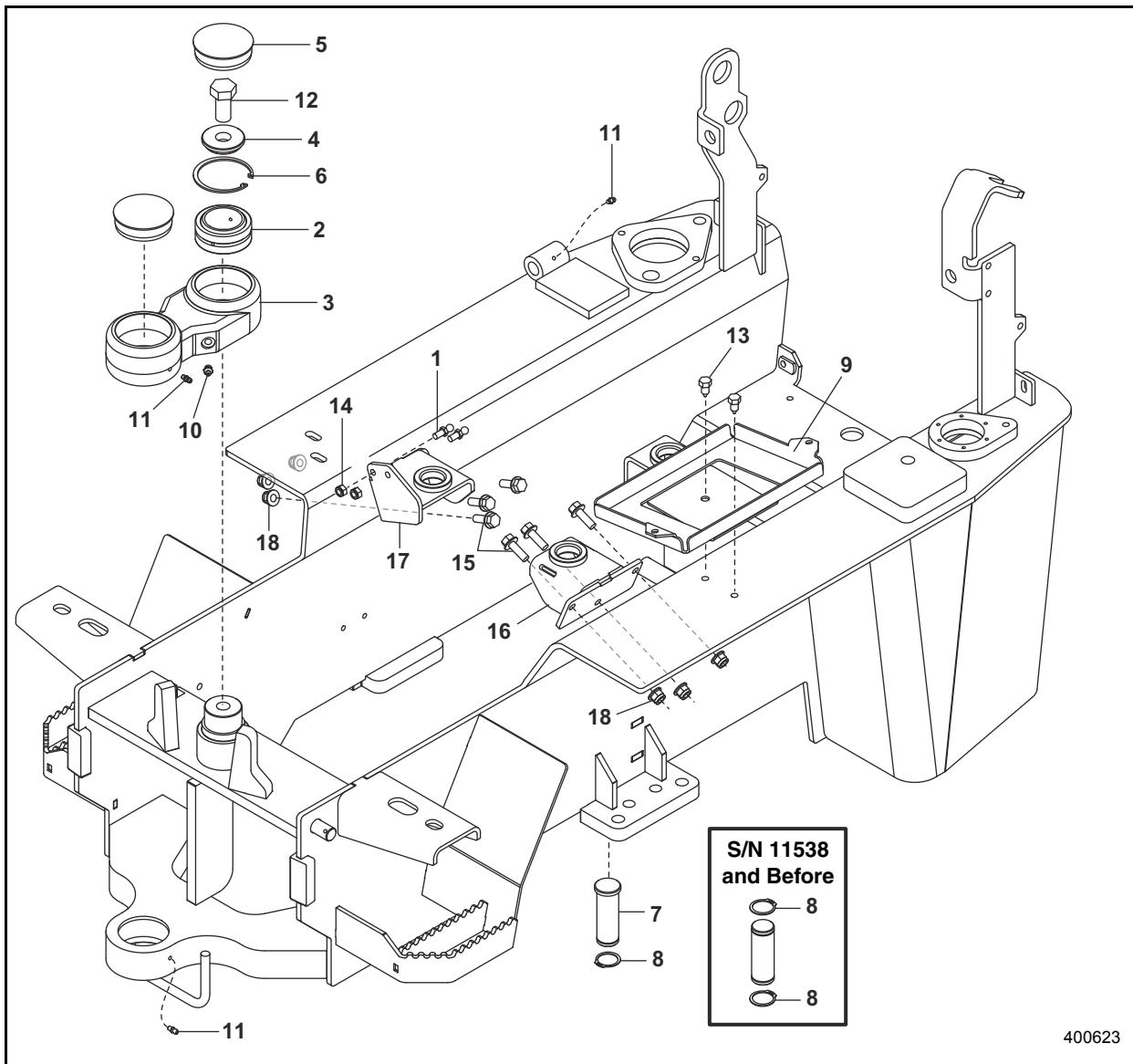


400623

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.	
1	651709	LN INST FL M16-2.00 C8 ZY DIN6926	1	17	201258	PIN/LOCK/BUCKET	1	
2	076099	COTTER/HAIRPIN 9/64X2-11/16	4	18	270116	GROMMET 1.00ID .250GW 1.38GD	2	
3	132050	STRAINER-FUEL FILL	1	19	270924	BUMPER/FOAM	1	
4	132051	FUEL TANK CAP	1	20	271808	WDMT/TURN STOP	2	
5	139438	CS FL LOCK 3/8X5/8 C5ZY	4	21	613052	FITTING/GREASE M6X1	1	
6	175934	BEARING/SPHERICAL PIVOT	2	22	651419	CS M20-2.5X40 C10.9 ZY DIN931	2	
7	175976	PIN/PIVOT	1	23	651448	LN INS M10-1.5 C8 ZY DIN6924	2	
8	175987	PIN/PIVOT	1	24	650702	SCREW/TPH TF SLTD #632X3/8 CZY	2	
9	176142	RETAINER/BEARING	2	25	651691	CS M16-2.00X180 C8.8 ZY DIN931	1	
10	176468	RING/RETAINING	2	26	651706	LN INST FL M8-1.25 C8 ZY DIN6926	4	
11	176719	WASHER/BEARING SHIELD	1	27	651720	CS FL M8-1.25X35 C8.8 ZY DIN1662	4	
12	200027	LOCK/STEERING	1	28	654012	FW 5/8 AWZY	1	
13	200048	COUNTERWEIGHT/REAR	3	29	656117	CS M10-1.5X75 C8.8 ZY DIN931	2	
14	50380912	PIN/STEERING CYLINDER *	1	30	L61709	PAD/SLIDE 3" X 4	2	
15	200090	RING/EXTERNAL SNAP	1	*200084 Steering Pin replaced by 50380912 for service				
16	200097	BEARING/40MM I.D.	2					

AL 140 - CHASSIS

REAR FRAME



Ref.

No.	Part No.	Description	Qty.
1	122485	STUD/BALL 10MM	2
2	175934	BEARING/SPHERICAL PIVOT	1
3	175936	HOUSING/BEARING PIVOT	1
4	176142	RETAINER/BEARING	1
5	176450	CAP/BEARING	2
6	176468	RING/RETAINING	1
7	50380912	PIN/STEERING CYLINDER *	1
8	200090	RING/EXTERNAL SNAP	1
9	271120	WDMT/BATTERY TRAY	1
10	613021	FITTING/GREASE M10X1	1
11	613052	FITTING/GREASE M6X1	3
12	651419	CS M20-2.5X40 C10.9 ZY DIN931	1

Ref.

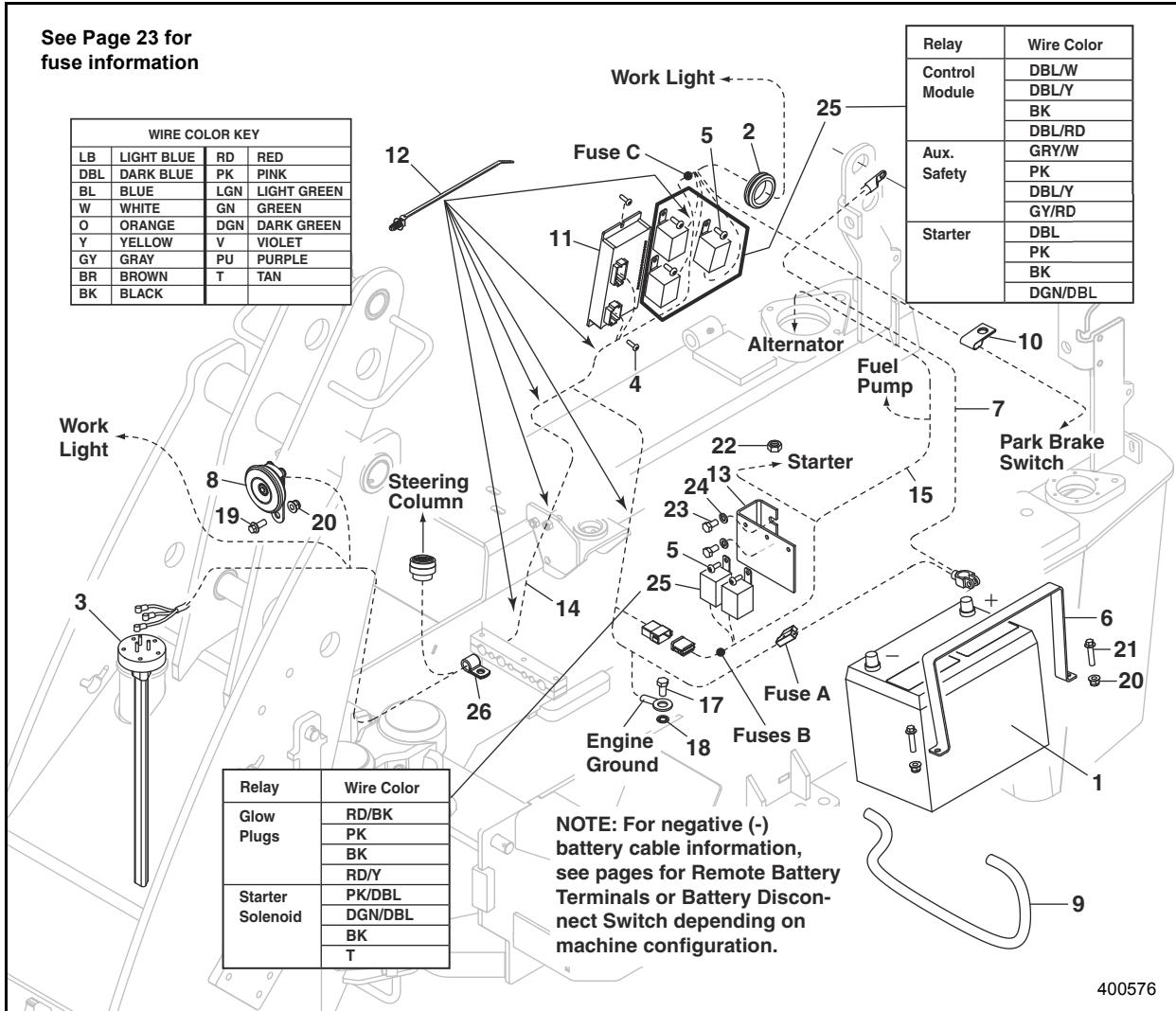
No.	Part No.	Description	Qty.
13	651724	SCREW/THH TF M10-1.5X20 ZY DIN7500D	2
14	L520004	NUT/.31-18 NYLON	2
15	176653	CS FLH M10-1.5X25 C8.8ZY SP DIN1665 (SN 11393 and up)	6
16	275329	WDMT/FRT MOUNT LT (SN 11393 and up)	1
17	275337	WDMT/FRT MOUNT RT (SN 11393 and up)	1
18	651707	LN INST FL M10-1.50 C8 ZY DIN6926 (SN 11393 and up)	6

*200084 Steering Pin replaced by 50380912 for service

AL 140 - CHASSIS ELECTRICAL (SN 11480 AND UP)

See Page 23 for
fuse information

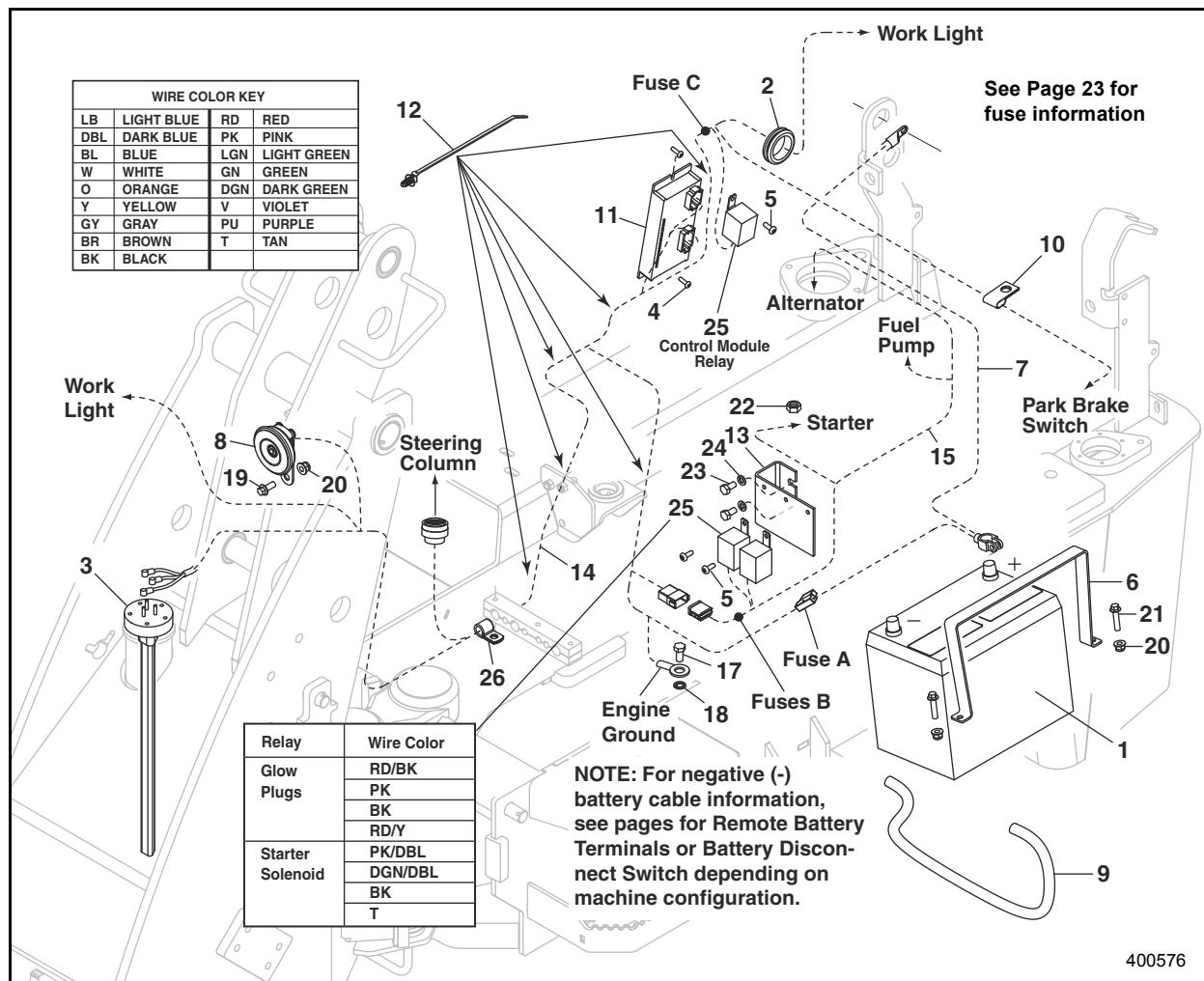
WIRE COLOR KEY			
LB	LIGHT BLUE	RD	RED
DBL	DARK BLUE	PK	PINK
BL	BLUE	LGN	LIGHT GREEN
W	WHITE	GN	GREEN
O	ORANGE	DGN	DARK GREEN
Y	YELLOW	V	VIOLET
GY	GRAY	PU	PURPLE
BR	BROWN	T	TAN
BK	BLACK		



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	*	BATTERY 12 VOLT	1	14	50304448	HARNESS/CHASSIS AL100 (SN 11592 and Up)	1
2	118757	GROMMET 1.50ID.188GW1.75GD	1	50301494		HARNESS/CHASSIS AL100 (SN 11257-11591)	1
3	176380	SENDER/FUEL W/SWITCH	1	15	273647	HARNESS/ENGINE AL100	1
4	176680	SCREW/TPH TF TORX M5-0.8X16 CZY	2	17	650488	CS 3/8X3/4 C5ZY	1
5	176681	SCREW/TPH TF TORX M6-1.00X16 CZY	5	18	651087	LW INT T 3/8 AZY	1
6	50381237	BRACKET/BATTERY HOLD (SN 11564 and Up)	1	19	651689	CS FL M8-1.25X20 C8.8 ZY DIN1662	1
	176689	BRACKET/BATTERY HOLD (SN 11257-11563)	1	20	651706	LN INST FL M8-1.25 C8 ZY DIN6926	3
7	176828	CABLE/BATTERY POSITIVE (includes terminal protector) (also order Ref. No. 9)	1	21	651720	CS FL M8-1.25X35 C8.8 ZY DIN1662	2
8	183814	HORN-WARNING	1	22	656048	HN M8-1.25 C8 ZY DIN934	1
9	190761	LOOM/BATTERY CABLE (used with Ref. No. 7)	1	23	656093	CS M8-1.25X16 C8.8 ZY DIN931	2
10	270186	CLAMP/DOUBLE P	1	24	656110	LW M8 ZY DIN127	2
11	275867	MODULE/LOGIC AL100/200	1	25	420-35602	RELAY	5
12	273369	TIE/TREE MOUNT	6	26	076147	CLAMP/HOSE .50 X .41 HOLE	1
13	50301432	BRACKET/RELAY AL100	1			* Purchase locally: (SN 11564 and Up) GROUP SIZE 34, 675 CCA; (SN 11257-11563) GROUP SIZE 24, 675 CCA	

AL 140 - CHASSIS

ELECTRICAL (SN 11479 AND BEFORE)



Ref.

No. Part No.

Description

Qty.

1	*	BATTERY 12 VOLT	1
2	118757	GROMMET 1.50ID.188GW1.75GD	1
3	176380	SENDER/FUEL W/SWITCH	1
4	176680	SCREW/TPH TF TORX M5-0.8X16 CZY	2
5	176681	SCREW/TPH TF TORX M6-1.00X16 CZY	3
6	176689	BRACKET/BATTERY HOLD	1
7	176828	CABLE/BATTERY POSITIVE (includes terminal protector) (also order Ref. No. 9)	1
8	183814	HORN-WARNING	1
9	190761	LOOM/BATTERY CABLE (used with Ref. No. 7)	1
10	270186	CLAMP/DOUBLE P	1
11	275867	MODULE/LOGIC AL100/200	1
12	273369	TIE/TREE MOUNT	6
13	50301432	BRACKET/RELAY AL100	1
14	273646	HARNESS/CHASSIS AL100 (see footnote ** for additional information)	1

Ref.

No. Part No.

Description

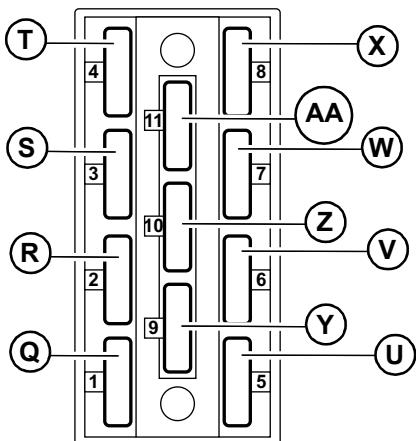
Qty.

15	273647	HARNESS/ENGINE AL100	1
17	650488	CS 3/8X3/4 C5ZY	1
18	651087	LW INT T 3/8 AZY	1
19	651689	CS FL M8-1.25X20 C8.8 ZY DIN1662	1
20	651706	LN INST FL M8-1.25 C8 ZY DIN6926	3
21	651720	CS FL M8-1.25X35 C8.8 ZY DIN1662	2
22	656048	HN M8-1.25 C8 ZY DIN934	1
23	656093	CS M8-1.25X16 C8.8 ZY DIN931	2
24	656110	LW M8 ZY DIN127	2
25	420-35602	RELAY	3
26	076147	CLAMP/HOSE .50 X .41 HOLE	1

* Purchase locally; Group size 24; 675 CCA

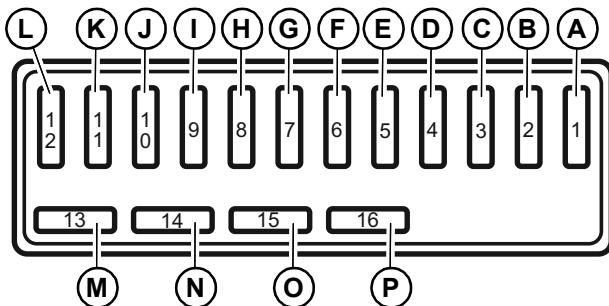
**A small number of machines were supplied with an early version of the chassis harness which did not include the horn wiring. For those machines, a separate horn harness was used, which is no longer available. For service, order Chassis Harness 273646 or repair existing horn harness as necessary.

**Fuse Located on Steering Column
Standard Steering**



Fuse	Rated Current (Amp)	Protected Circuit (fuse numbers above from schematic)	Ref. No. (see All Fuses)
Q	5	Instrument panel, forward and reverse relays	1
R	5	Joystick	1
S	5	Fuel pump, glow module, fuel solenoid hold	1
T	7.5	Horn, beacon	2
U	5	Steering column switch lights	1
V	10	Power-A-Tach™	3
W	5	Starter relay	1
X	20	Ignition switch	5
Y	10	Rear work light	3
Z	10	Front work light	3
AA	7.5	12V accessory power outlet	2

**Fuses Located on Steering Column
Deluxe Steering**



Fuse	Rated Current (Amp)	Protected Circuit (fuse numbers above from schematic)	Ref. No. (see All Fuses)
A	5	Instrument panel, forward and reverse relays	1
B	10	Joystick	3
C	5	Fuel pump, glow module, fuel solenoid hold	1
D	7.5	Horn, beacon	2
E	5	Work light switch, work light relays	1
F	10	Power-A-Tach™	3
G	5	Starter relay	1
H	10	Turn signals	3
I	20	Ignition switch	5
J	10	Rear work light	3
K	10	Front work light	3
L	7.5	12V accessory power outlet	2
M	10	High-beam headlights	3
N	10	Low-beam headlights	3
O	5	Position lights	1
P	10	Spare fuse	3

**Inline Fuse Identification
(inside engine compartment, see Page 21 or Page 22)**

Fuse Loc.	Rated Current (Amp)	Protected Circuit	Ref. No. (see All Fuses)
A	60	System	9
B*	40 30	Starter Glow plug	8 7
C	25	Control module	6

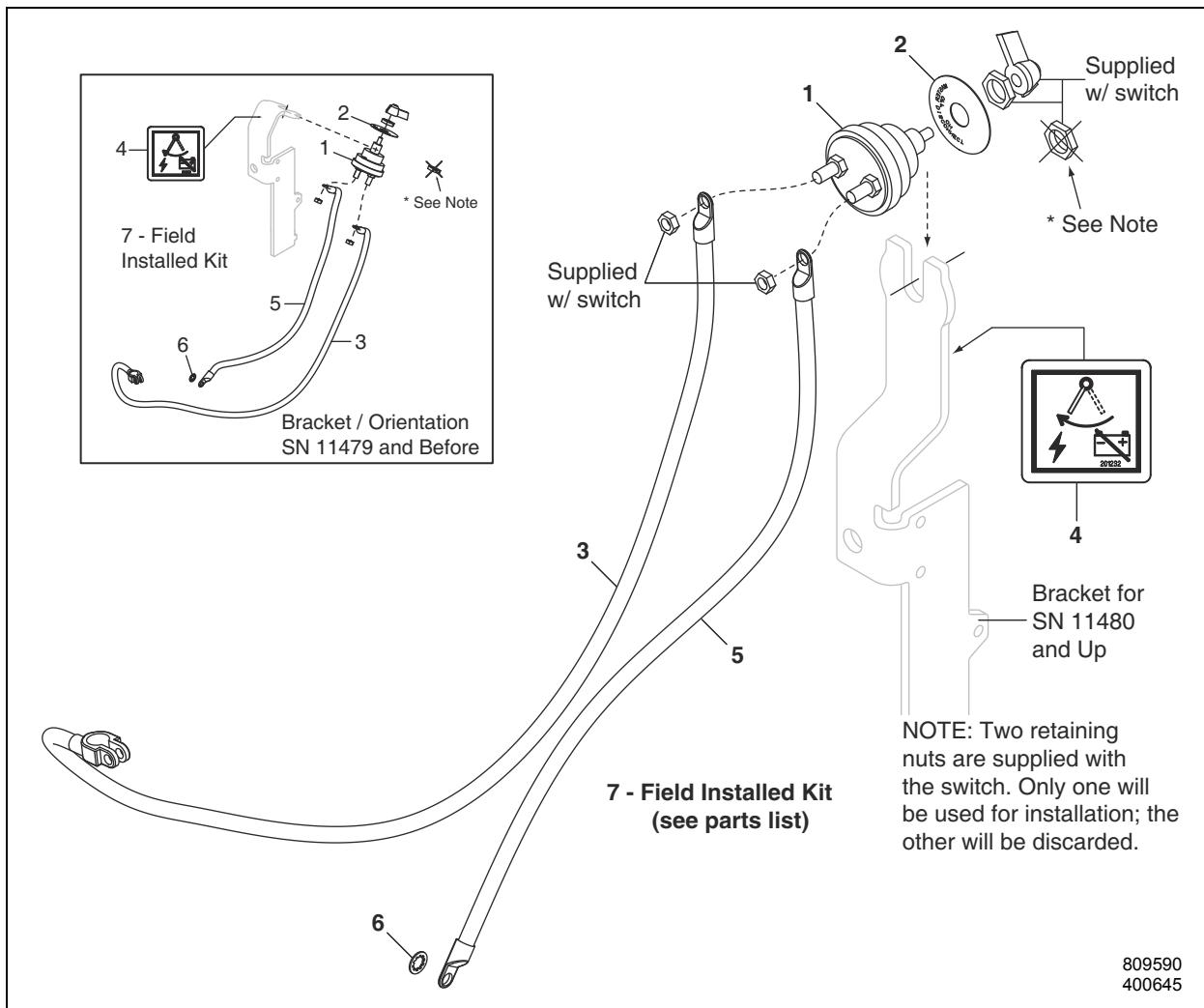
* NOTE: The latest version of the engine harness has label tags to identify Fuses B as Starter or Glow Plug. For non-labelled harnesses, the circuits will have to be tested to identify Fuses B as Starter or Glow Plug.

All Fuses

Ref. No.	Part No.	Description	Qty.
1	L70244	5 AMP ATC FUSE	A/R
2	271279	7.5 AMP ATC FUSE	A/R
3	L70245	10 AMP ATC FUSE	A/R
4	420-35578	15 AMP ATC FUSE	A/R
5	L70246	20 AMP ATC FUSE	A/R
6	271265	25 AMP ATC FUSE	A/R
7	191331	30 AMP MAXI FUSE	A/R
8	271281	40 AMP MAXI FUSE	A/R
9	L500225	60 AMP MAXI FUSE	A/R

AL 140 - CHASSIS

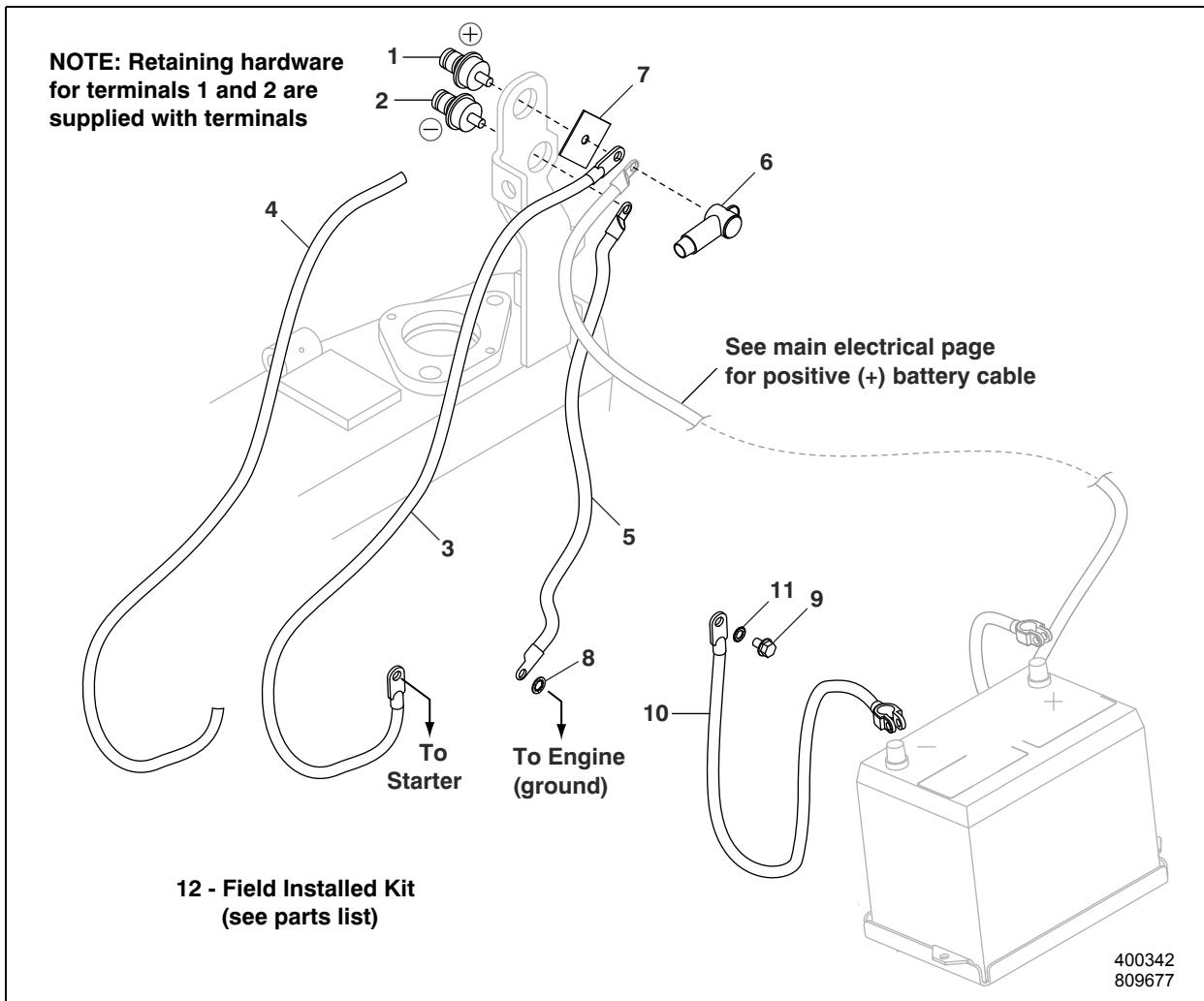
BATTERY DISCONNECT SWITCH (EU-STANDARD, DOMESTIC-OPTION)



Ref.

No.	Part No.	Description	Qty.
1	091666	SWITCH DISCONNECT	1
2	091667	PLATE, FACE	1
3	176827	CABLE/BATTERY GROUND	1
4	201232	DECAL/BAT DISCONNECT	1
5	176829	CABLE/GROUND	1
6	651087	LW INT T 3/8 AZY	1
7	809590	BATTERY DISCONNECT KIT AL100 (Field Installed Kit - domestic only, includes all parts on page)	1

AL 140 - CHASSIS
REMOTE BATTERY TERMINALS (DOMESTIC-STANDARD, EU-OPTION)

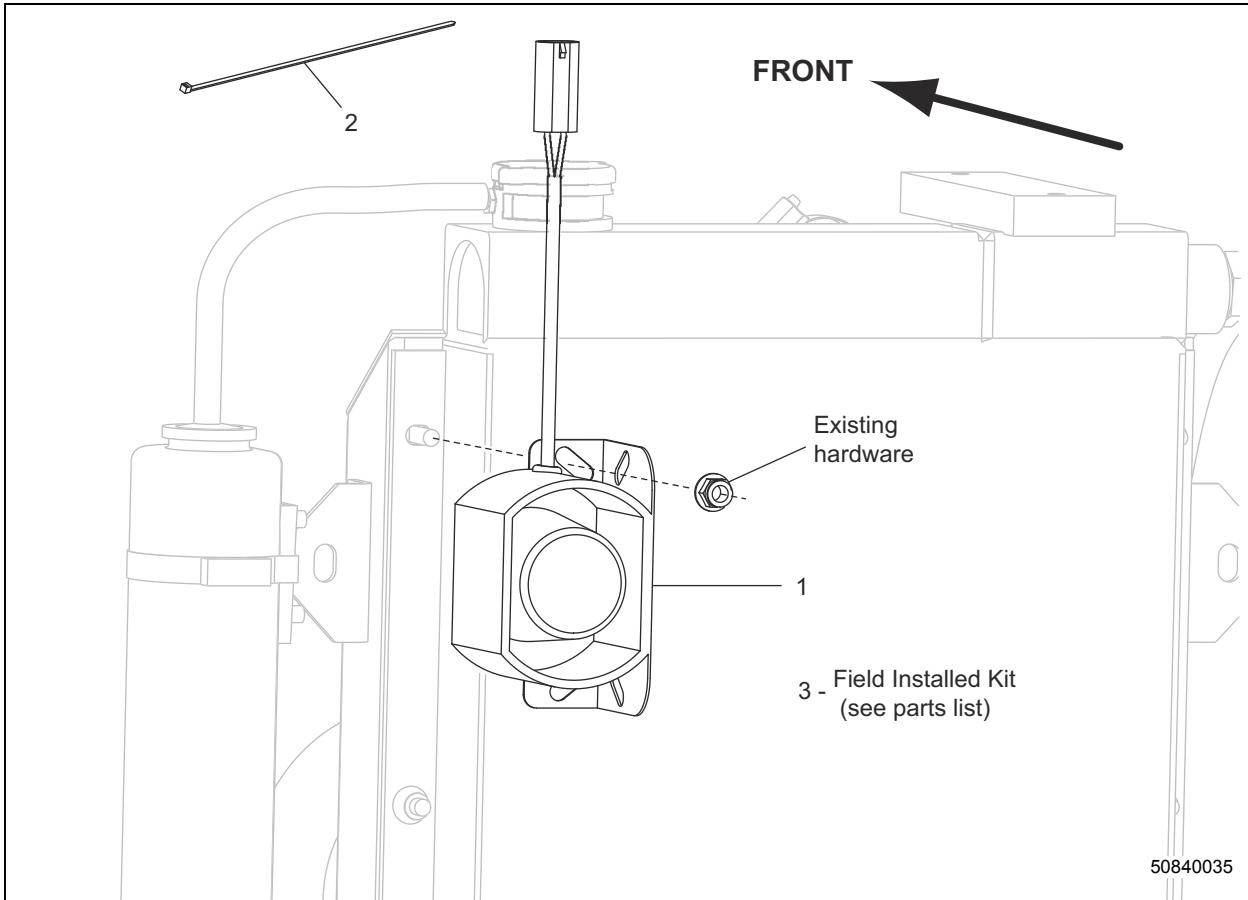


Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.	
STANDARD COMPONENTS - DOMESTIC								
1	137425	TERMINAL/REMOTE RED	1	1	137425	TERMINAL/REMOTE RED	1	
2	137429	TERMINAL/REMOTE BLK	1	2	137429	TERMINAL/REMOTE BLK	1	
3	190758	CABLE/BAT/REMOTE TERM	1	3	190758	CABLE/BAT/REMOTE TERM	1	
4	190761	LOOM/BATTERY CABLE	1	4	190761	LOOM/BATTERY CABLE	1	
5	272377	CABLE/GROUND	1	5	272377	CABLE/GROUND	1	
6	274410	BOOT/INSULATOR	1	6	274410	BOOT/INSULATOR	1	
7	275534	WASHER/PLASTIC	1	7	275534	WASHER/PLASTIC	1	
8	651087	LW INT T 3/8 AZY	1	8	651087	LW INT T 3/8 AZY	1	
9	176652	CS FLH M8-1.25X12 C8.8ZY SP DIN1665	1	12	809677	KIT/REMOTE BAT TERMINAL AL100 (Field Installed Kit - EU only, includes Ref. Nos. 1-8)	1	
10	190629	CABLE/NEG BATTERY 16"	1	FIELD-INSTALLED OPTION - EU				
11	651679	LW EXT T M8 AZY	1					

NOTE: On EU machines, the standard negative (-) battery cable is shown on the Battery Disconnect Switch page.

AL 140 - CHASSIS

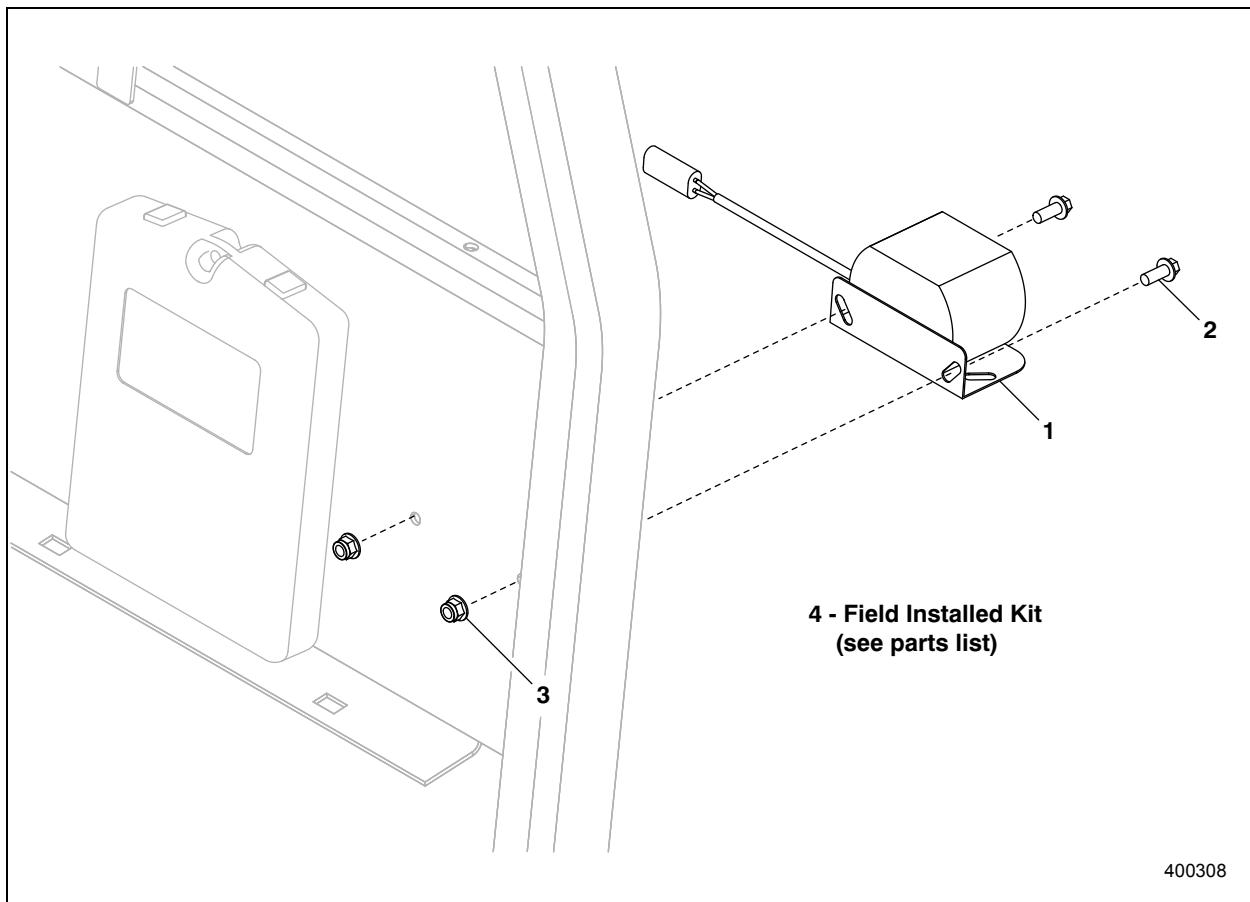
BACKUP ALARM KIT (OPTION) (SN 11480 AND UP)



Ref.

No.	Part No.	Description	Qty.
1	135727	BACKUP ALARM	1
2	055648	TIE/CABLE .19 X 7.50 BLACK	1
3	50840035	KIT/BACKUP ALARM AL100 (Field Installed Kit - domestic and EU, includes all parts on page)	1

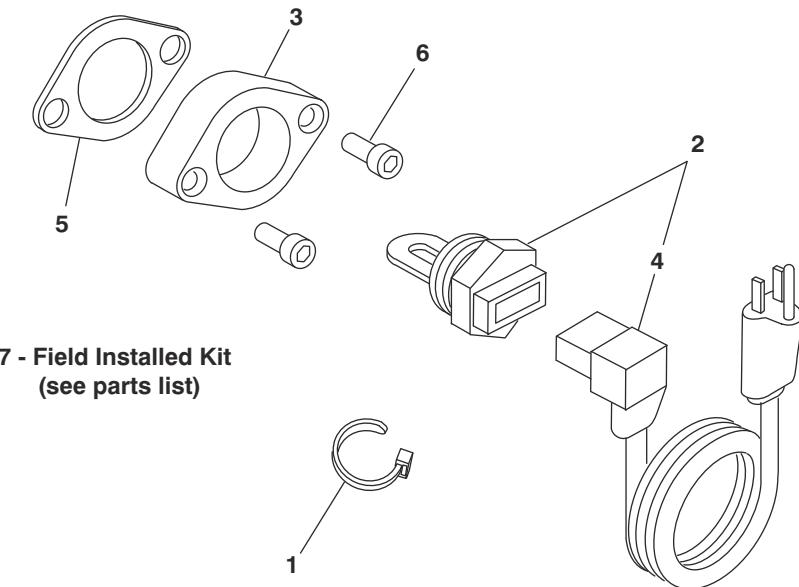
AL 140 - CHASSIS
BACKUP ALARM KIT (OPTION) (SN 001479 AND BEFORE)



Ref.

No.	Part No.	Description	Qty.
1	271213	ALARM/SMART BACKUP	1
2	651689	CS FL M8-1.25X20 C8.8 ZY DIN1662	2
3	651706	LN INST FL M8-1.25 C8 ZY DIN6926	2
4	809443	KIT/BACKUP ALARM AL100 (Field Installed Kit - domestic and EU, includes all parts on page)	1

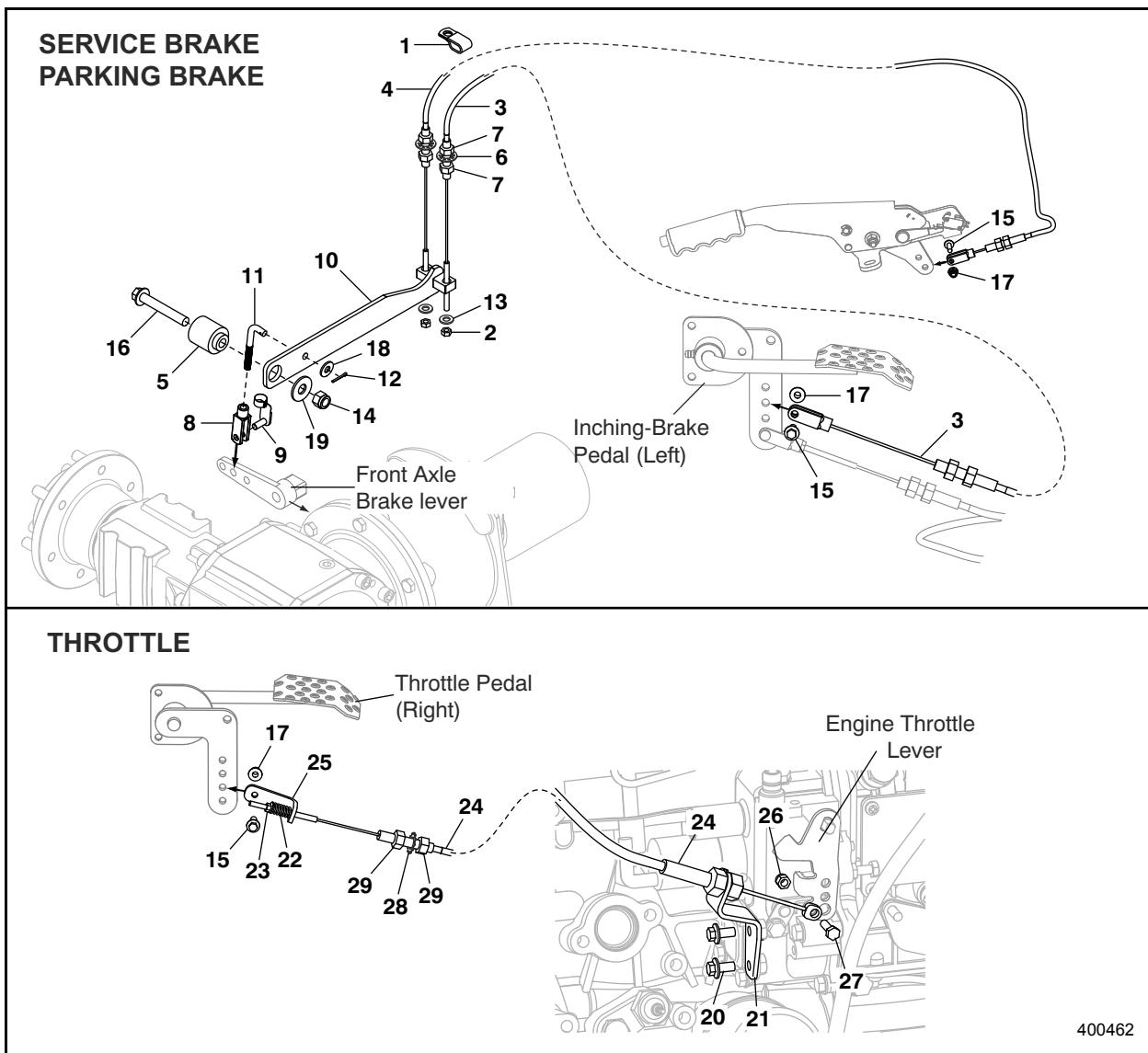
AL 140 - CHASSIS
BLOCK HEATER KIT (OPTION - DOMESTIC ONLY)



809579

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	055648	TIE/CABLE .19 X 7.50 BLACK	3	5	274319	GASKET/BLOCK HEATER	1
2	121480	HEATER/BLOCK (227-2148) PHIL-LIPS	1	6	274320	BOLT/BLOCK HEATER	2
3	273851	BRACKET/BLOCK HEATER	1	7	809579	Heater Kit (Field Installed Kit - domestic only, includes all parts on page)	1
4	121481	CORD/HEATER	1				

AL 140 - CONTROLS
SERVICE BRAKE, PARKING BRAKE, THROTTLE

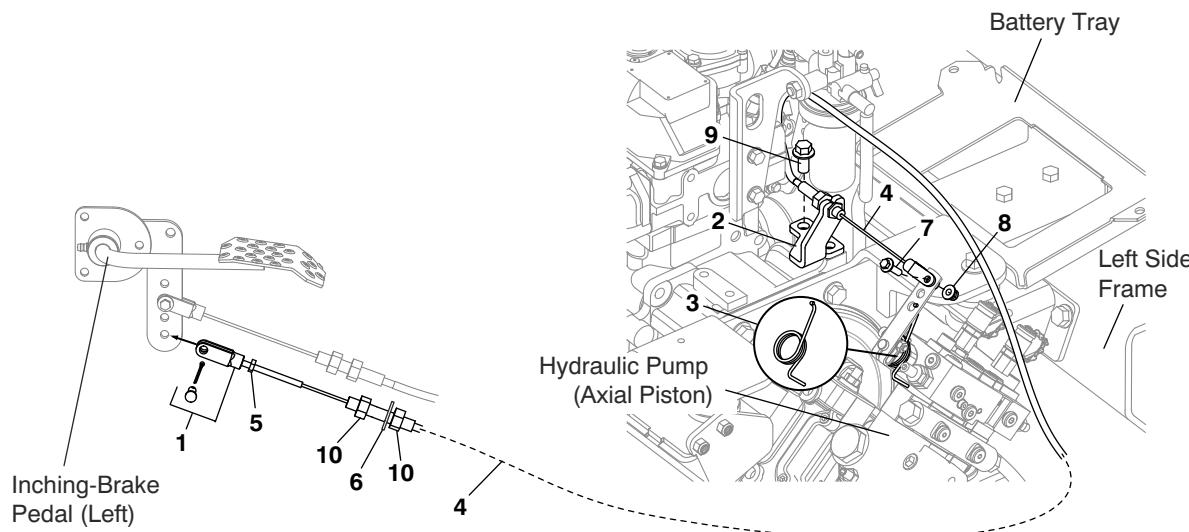


Ref.	No. Part No.	Description	Qty.	Ref.	No. Part No.	Description	Qty.
1	059075	CLAMP/HOSE .38 X .41 HOLE DOUBLE	1	16	651700	CS FL M12-1.75X80 C8.8 ZY DIN1662	1
2	121002	HN 1/4 FZY	2	17	651705	LN INST FL M6-1.00 C8 ZY DIN6926	3
3	176729	CABLE/SERVICE BRAKE	1	18	654004	FW 5/16 AWZY	1
4	176735	CABLE/PARKING BRAKE	1	19	654009	FW 1/2 AWZY	1
5	176824	BOSS/PIVOT	1	20	176651	CS FL M6-1.00X12 C8.8ZY SP DIN1662	2
6	270786	LW INT T 7/16	2	21	201165	THROTTLE CABLE BRACKET	1
7	270787	HN 7/16-20	4	22	270106	SPRING/COMPRESSION	1
8	270869	CLEVIS	1	23	270746	LOCKNUT/INSERT 10-32	1
9	270870	PIN/SPRING	1	24	272372	CABLE/THROTTLE	1
10	270871	WDMT/BRAKE LEVER	1	25	272374	BRACKET/CABLE	1
11	270894	LINK/BRAKE	1	26	651456	LN INS M5-0.8 C8 ZY DIN6924	1
12	650551	CP EPSC 3/32X3/4 Z	1	27	651521	CS M5-0.8X16 C8.8 ZY DIN931	1
13	650863	FW 1/4 ANZY	2	28	651679	LW EXT T M8 AZY	1
14	651449	LN INST M12-1.75 C8 ZY DIN6924	1	29	656063	HJN M8-1.25 C4 ZY DIN439	2
15	651693	CS FL M6-1.00X20 C8.8 ZY DIN1662	3				

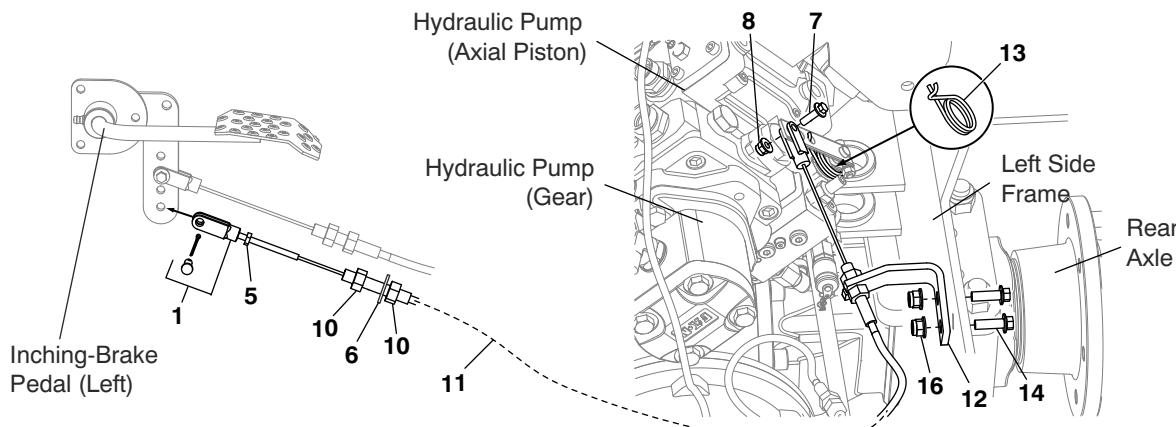
AL 140 - CONTROLS

INCHING

INCHING - SN 11393 AND UP



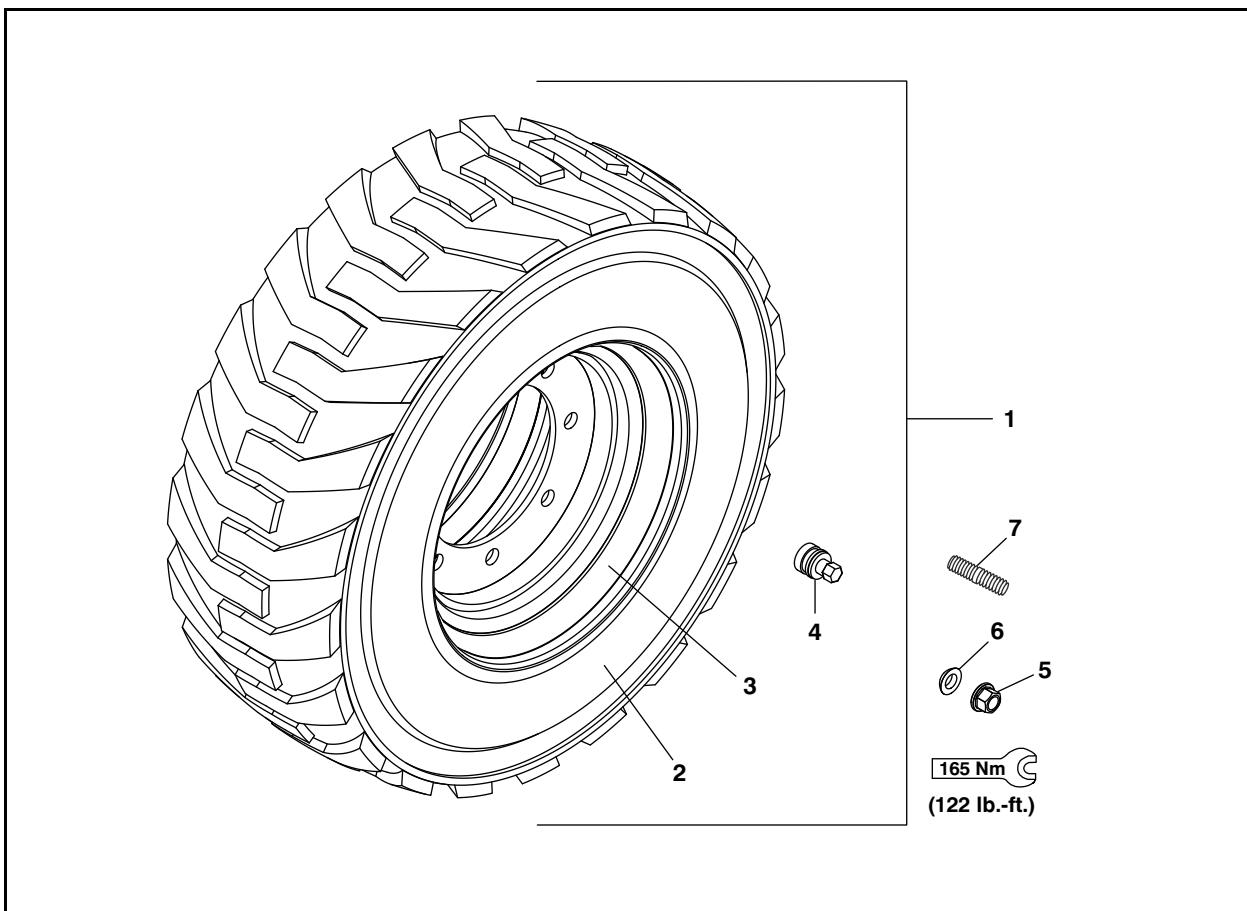
INCHING - SN 11392 AND BEFORE



400462

Ref. No. Part No.	Description	Qty.	Ref. No. Part No.	Description	Qty.
1 202583	CLEVIS W/PIN	1	12 176781	BRACKET/INCHING CABLE (SN11392 and before)	1
2 275295	BRACKET/INCHING (SN11393 and up)	1	13 270168	SPRING/TORSION (SN11392 and before)	1
3 275360	SPRING/TORSION (SN11393 and up)	1	14 651695	CS FL M8-1.25 C8 ZY DIN6926 (SN11392 and before)	2
4 275450	CABLE/INCHING (SN11393 and up)	1	15 651705	LN INST FL M6-1.00 C8 ZY DIN6926 (SN11392 and before)	1
5 650648	HN MS #1032 FZY	1	16 651706	LN INST FL M8-1.25 C8 ZY DIN6926 (SN11392 and before)	2
6 651679	LW EXT T M8 AZY	1			
7 651693	CS FL M6-1.00X20 C8.8 ZY DIN1662	1			
8 651705	LN INST FL M6-1.00 C8 ZY DIN6926	1			
9 651732	CS FL M10-1.50X20 C8.8 ZY DIN1662 (SN11393 and up)	1			
10 656063	HJN M8-1.25 C4 ZY DIN439	2			
11 176728	CABLE/INCHING (SN11392 and before)	1			

**AL 140 - AXLES
WHEELS AND TIRES**

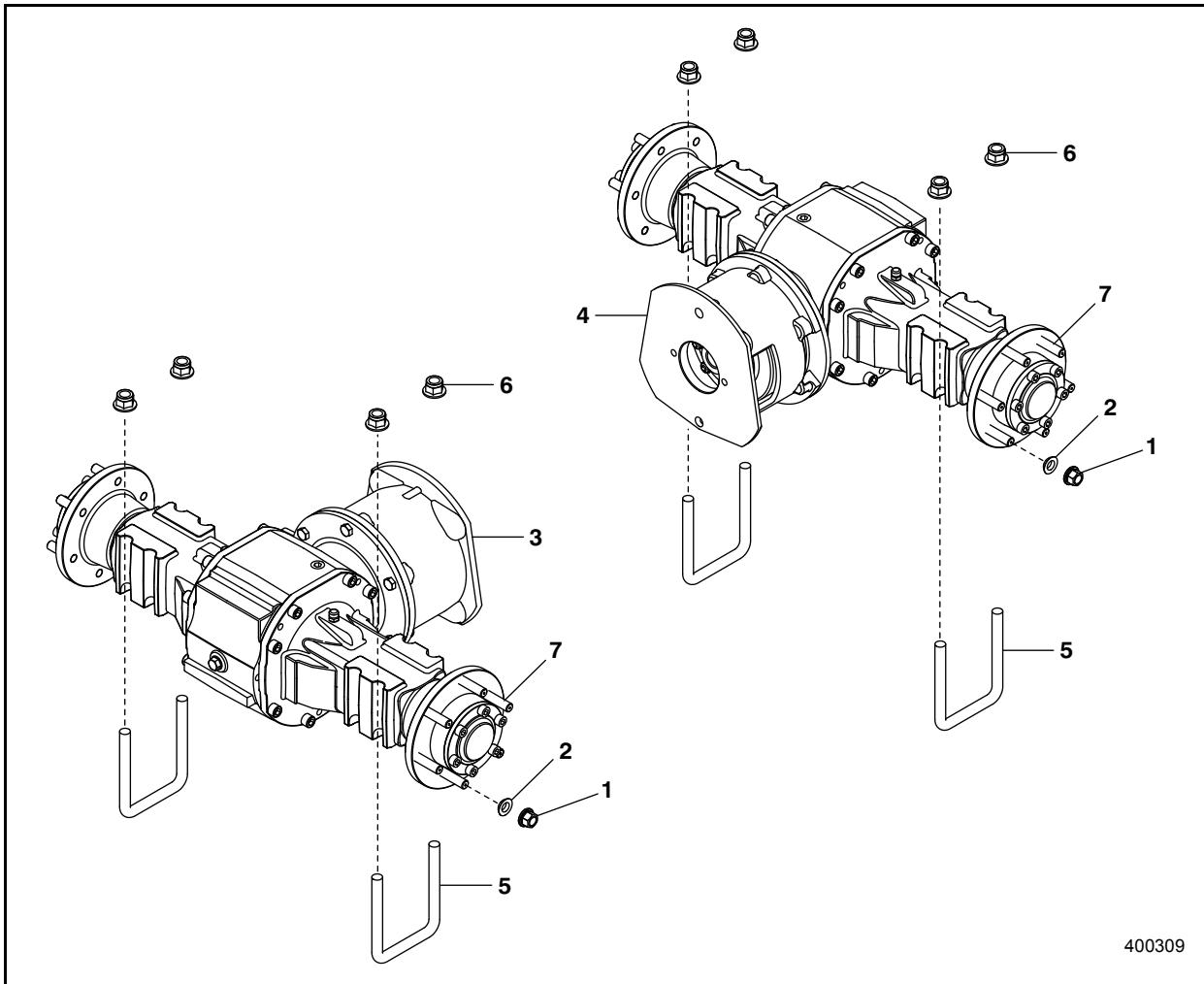


Ref.

No.	Part No.	Description	Qty.
1	809349	ASSY/WHEEL 8.50 X 15	4
	809431	ASSY/WHEEL 10.50 X 15	4
	809561	ASSY/WHEEL 27X10.50 10 PLY TURF	4
2	*	TIRE/HD 27X8.50X15 8 PLY TITAN	4
	*	TIRE/HD 27 X 10.50 X 15 8 PLY TITAN	4
	*	TIRE 27X10.50X15 TURF	4
3	140298	WHEEL 15 X 7	4
	201414	WHEEL 15 X 8	4
4	420-36023	VALVE STEM, METAL	4
5	202638	NUT/M14 X 1.5	24
6	202640	WASHER	24
7	202632	BOLT/STUD M14 X 1.5 10.9	24

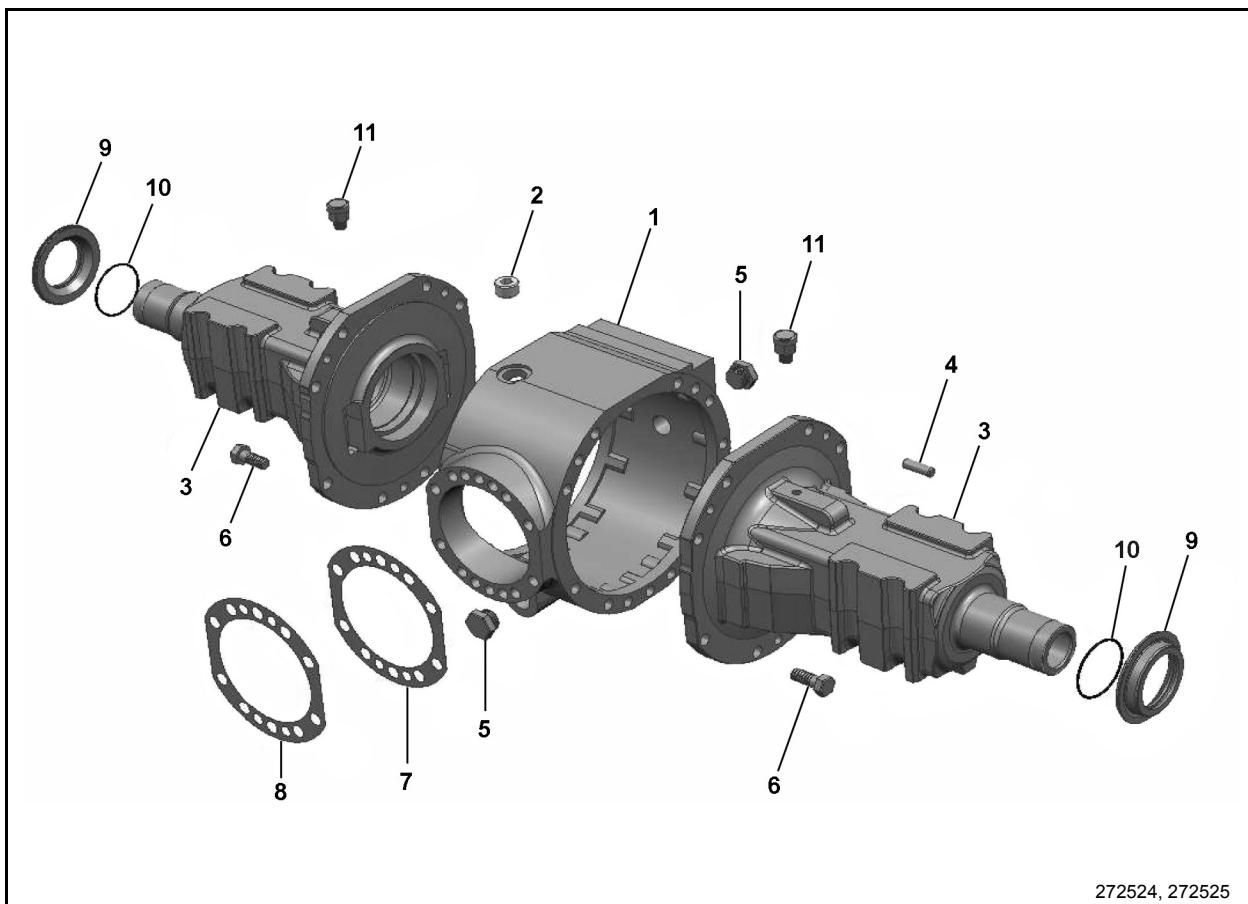
* Purchase equivalent quality tires for your articulated loader. Contact your Gehl dealer for replacement tire information.

AL 140 - AXLES
FRONT AND REAR AXLES



Ref.	No.	Part No.	Description	Qty.
1	202638	NUT/M14 X 1.5		24
2	202640	WASHER		24
3	272524	AXLE/FRONT		1
4	272525	AXLE/REAR		1
5	272897	U-BOLT/SQUARE M16		4
6	651709	LN INST FL M16-2.00 C8 ZY DIN6926		8
7	202632	BOLT/STUD M14 X 1.5 10.9		24

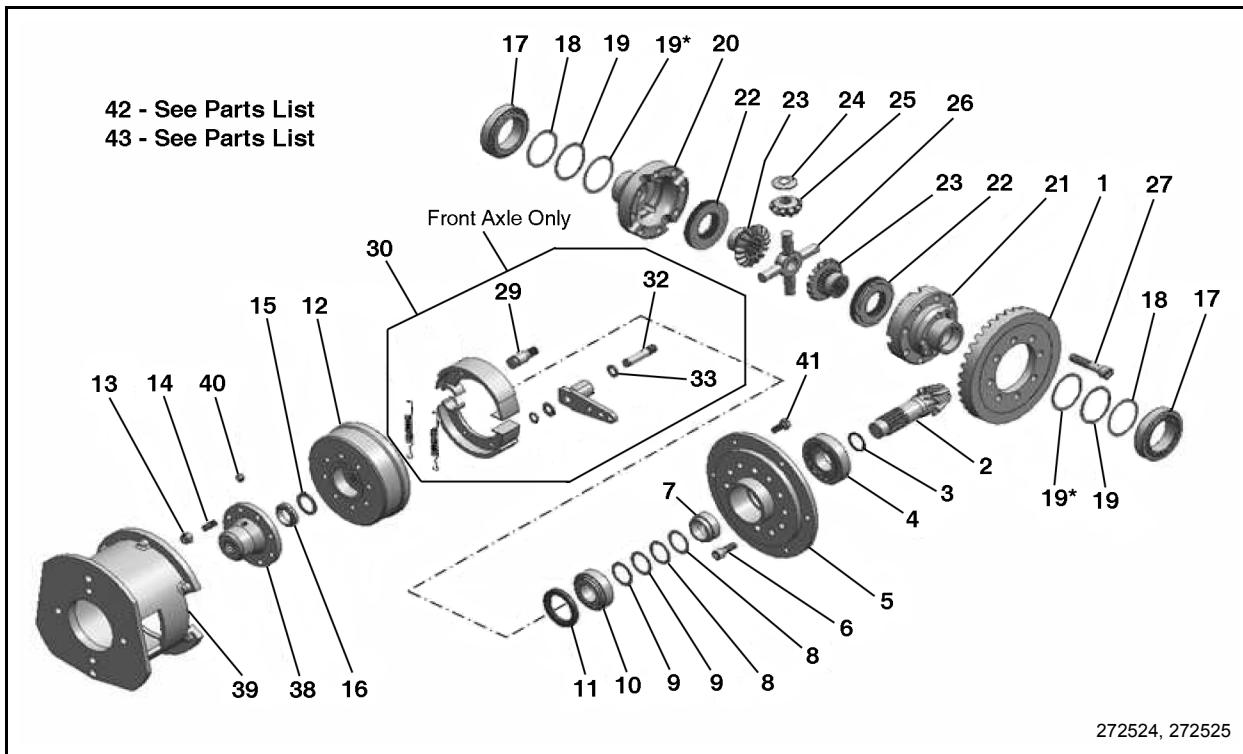
AL 140 - AXLES
CENTER AND AXLE HOUSINGS



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	202593	HOUSING/CENTER	1	7	202615	GASKET/PAPER 0.1MM	1
2	204088	PLUG M22 X 1.5	1	8	202614	GASKET/PAPER 0.2MM	2
3	204089	HOUSING	2	9	204090	SPACER	2
4	202623	PIN/PARALLEL 10 X 30	6	10	204091	O-RING	2
5	202633	PLUG/M22 X 1.5 DIN 909	2	11	204092	BREATHER M10 X 1.0	2
6	202617	SCREW/M12 X 30 12.9	16				

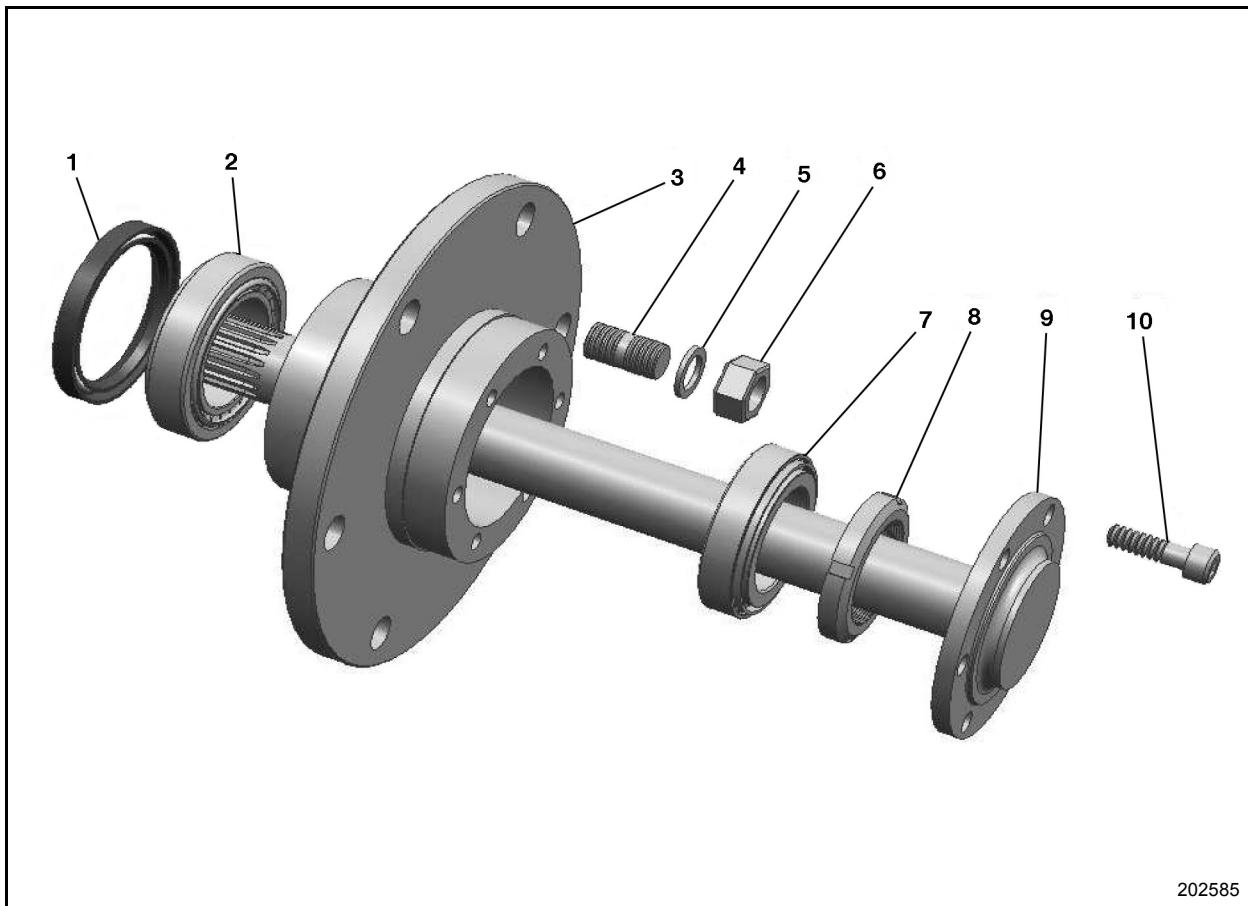
AL 140 - AXLES

DIFFERENTIAL



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	202612	GEAR/BEVEL RING Z=39 **	1	21	202592	HOUSING/DIFF. HALF **	1
2	202613	PINION/BEVEL Z=12 ***	1	22	202639	PACKAGE/LMS DISC **	2
3	202631	O-RING 4112 ***	1	23	202611	WHEEL/CROWN **	2
4	126632	BEARING ***	1	24	202606	SHIM/SIDE PINION **	4
5	202590	HOUSING/PINION ***	1	25	202610	PINION/SIDE **	4
6	202643	SCREW/SOCKET M12X45 12.9	10	26	202596	SPIDER **	1
7	202601	SPACER ***	1	27	202618	SCREW/SHC M14X70 12.9 **	8
8	202625	SHIM/PS 35X45X0,1 ***	AR	29	202605	PIN/BRAKE FULCRUM	1
9	202626	SHIM/PS 35X45X0,3 ***	AR	30	202584	DRUM/BRAKE	1
10	141551	BEARING ***	1	32	202602	PIN/BRAKE LEVER	1
11	202636	SEAL/OIL BASL 50X72X8 ***	1	33	202628	WASHER/FRICTION	1
12	202597	FLANGE W/BRAKE DRUM ***	1	38	202600	CONNECTION/HYDRAULIC MOTOR	1
13	202620	NUT/SL M10	8	39	202594	MOUNT/HYDRAULIC MOTOR	1
14	202637	BOLT/STUD M10X25 ***	8	40	202627	GREASER/M10X1	1
15	202629	SHIM/AS 3047 ***	1	41	202619	SCREW/M10X25 8.8	6
16	202621	NUT/SL GP M30X1,5 ***	1	42	202586	DIFFERENTIAL (includes Ref. Nos. 1, 20, 21, 22, 23, 24, 25, 26, 27 - marked **)	1
17	202635	BEARING/TAPER ROLLER 32012	2	43	202587	PINION (includes Ref. Nos. 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16 - marked ***)	1
18	202607	SHIM/61X70X0,1	AR				
19	202608	SHIM/61X70X0,3	AR				
19*	202609	SHIM/61X70X0,5	AR				
20	202592	HOUSING/DIFF. HALF **	1				

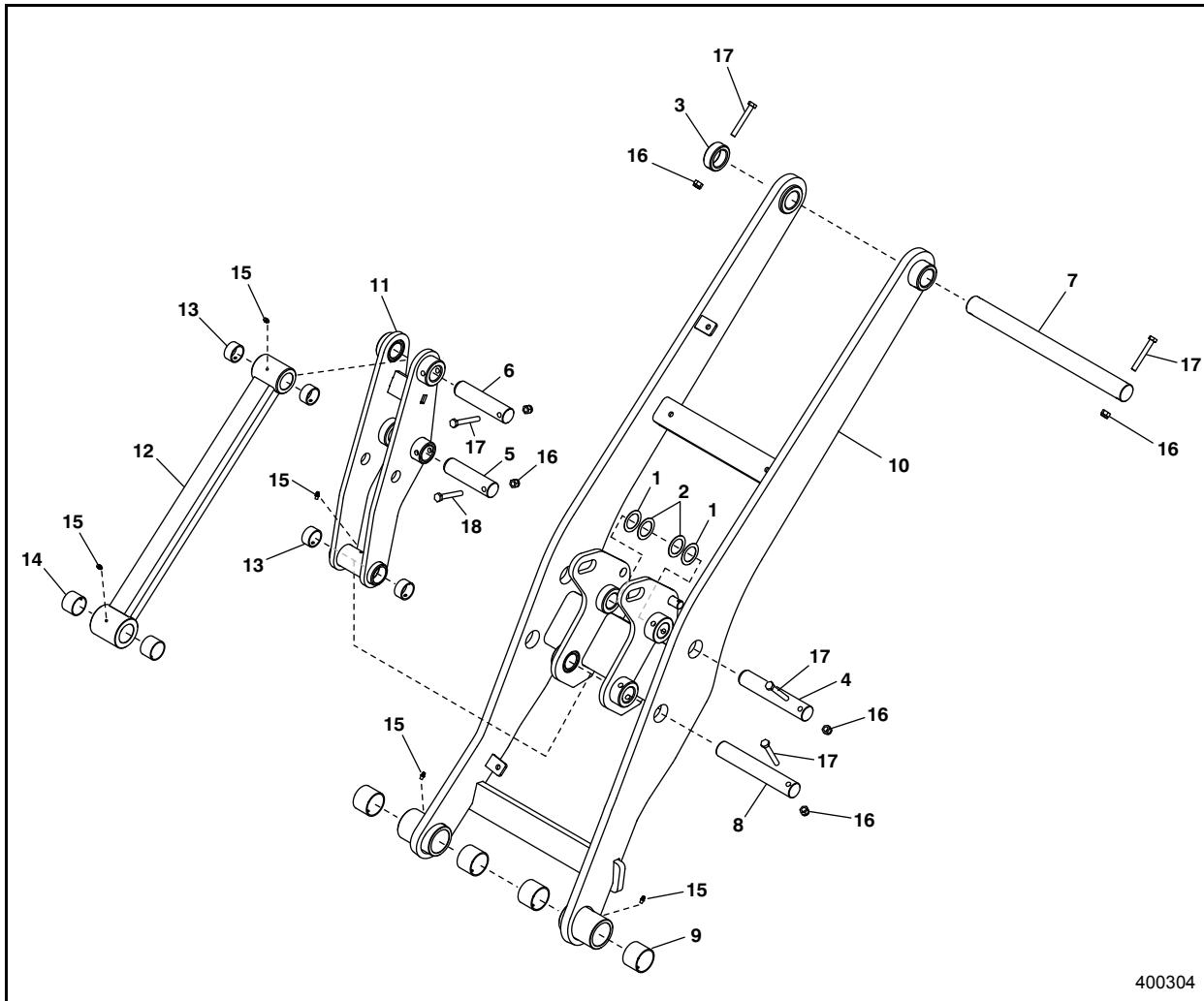
AL 140 - AXLES
WHEEL HUB - 202585



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
0	202585	HUB/WHEEL	1*	7	202634	BEARING 32010X	1*
1	202630	SEAL/OIL BASL 70X90X10	1*	8	202622	NUT/M50X1,5	1*
2	156041	BEARING/32011	1*	9	202599	SHAFT/DRIVE	1*
3	202598	HUB/WHEEL	1*	10	202642	SHCS M10X25	5*
4	202632	BOLT/STUD M14X1,5 10.9	6*			* Quantities are for one axle only	
5	202640	WASHER/LIMES	6*				
6	202638	NUT/M14X1,5	6*				

AL 140 - NOTES

**AL 140 - LIFT ARM
LIFT ARM ASSEMBLY**



Ref.

No. Part No.

Description

Qty.

1	064478	FW 1-25/64 (0.018 in. thick)	AR
2	064479	FW 1-25/64 (0.032 in. thick)	AR
3	175972	COLLAR/40MM	1
4	175976	PIN/PIVOT	1
5	175977	PIN/PIVOT	1
6	175978	PIN/PIVOT	1
7	175979	PIN/PIVOT	1
8	176221	PIN/PIVOT	1
9	176661	BEARING/50MM ID	4
10	176783	WDMT/LIFT ARM	1

Ref.

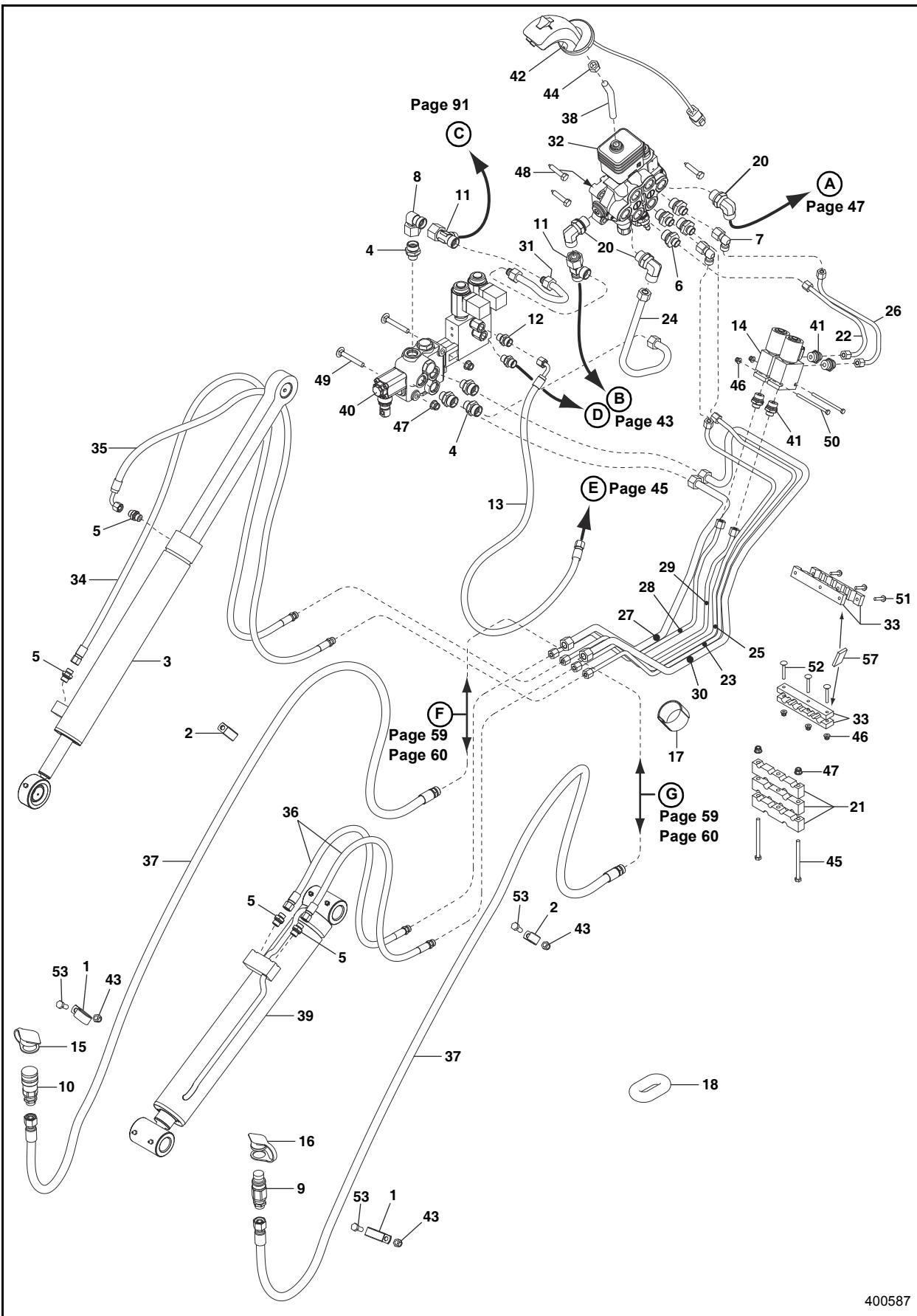
No. Part No.

Description

Qty.

11	176786	WDMT/PIVOT ARM	1
12	176843	WDMT/LINK	1
13	200096	BEARING/35MM ID	4
14	200097	BEARING/40MM ID	2
15	613052	FITTING/GREASE M6X1	5
16	651448	LN INST M10-1.5 C8 ZY DIN6924	6
17	656117	CS M10-1.5X75 C8.8 ZY	5
18	656188	CS M10-1.5X70 C8.8 ZY DIN931	1

**AL 140 - LIFT ARM
HYDRAULICS (SN 11393 AND UP)**



400587

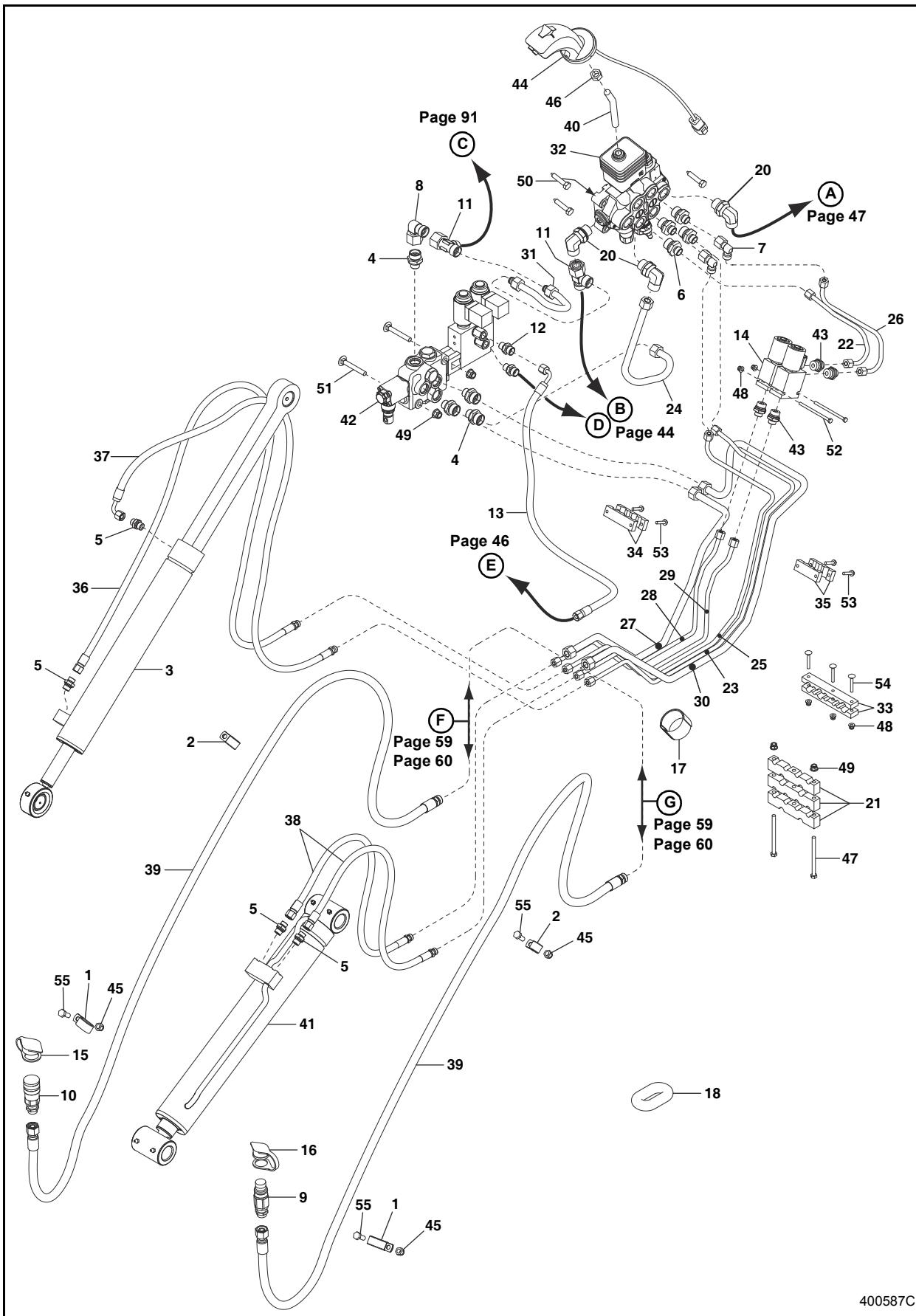
**AL 140 - LIFT ARM
HYDRAULICS (SN 11393 AND UP)**

Ref.	No. Part No.	Description	Qty.	Ref.	No. Part No.	Description	Qty.
1	055021	CLAMP/HOSE .75 X .41 HOLE DOUBBLE	2	34	273875	HOSE/MP 5 X 1855MM*	1
2	075505	CLAMP/HOSE .81 X .41 HOLE	2	35	273876	HOSE/MP 5 X 1397MM*	1
3	175823	CYL/HYD/TILT (see Page 54 for details)	1	36	273880	HOSE/MP 5 X 800MM*	2
4	176353	ST MC15-MBSPP06-L**	4	37	273882	HOSE/MP 8 X 2615MM*	2
5	176358	ST MC10-MBSPP06-L**	4	38	274134	SHAFT/JOYSTICK	1
6	176359	ST MC10-MBSPP08-L**	4	39	274255	CYL/HYD/LIFT (see Page 53 for details)	1
7	176364	90 FCS10-MC10-L**	2	40	274262	VALVE/AUXILIARY (see Page 49 for details)	1
8	176366	90 FCS15-MC15-L**	1	41	274401	ST MC10-MORB10-L**	4
9	176480	COUPLER/MALE MC15	1	42	274439	HANDLE/JOYSTICK	1
10	176481	COUPLER/FEMALE MC15	1	43	651448	LN INS M10-1.5 C8 ZY DIN6924	3
11	176527	TEE RUN MC15-MC15-FCS15-L**	2	44	651450	HN M12-1.75 C10 ZY DIN934	1
12	176530	ST MC10-MBSPP04-L**	2	45	651629	CS M8-1.25X110 C10.9 ZY DIN931	2
13	275368	HOSE/MP 5 X 1385MM*	1	46	651705	LN INST FL M6-1.00 C8 ZY DIN6926	5
14	184101	VALVE/SOL SV10-24 10T (see Page 50 for details)	2	47	651706	LN INST FL M8-1.25 C8 ZY DIN6926	4
15	271083	COVER/DUST MALE 08	1	48	651715	SCREW/THH TF M8-1.25X40 ZY DIN7500D	3
16	271084	COVER/DUST FEMALE 08	1	49	651727	CB M8-1.25X60 C8.8 ZY DIN603	2
17	271088	STRAP/BUNDLE/HOSE	1	50	651752	CS M6-1.00X100 C8.8 ZY DIN931	2
18	271158	LOOMING/GUARD (0.705 FT)	1	51	651759	CS FL M6-1.00X30 C8.8 ZY DIN1662	3
20	271754	90 MC15-MABSPP08-L**	3	52	651802	CB M6-1.00X45 C4.6 ZY DIN603	3
21	272667	BLOCK CUSTOM	3	53	656007	CS M10-1.5X25 C8.8 ZY DIN931	3
22	273284	TUBE	1	57	50301732	FOAM/0.25 X 2IN (used with blocks 50301817 on tube from steering valve to main valve supply)	2
23	275549	TUBE	1				
24	273287	TUBE	1				
25	275550	TUBE/HYDRAULIC	1				
26	273290	TUBE/HYDRAULIC	1				
27	273291	TUBE/HYDRAULIC	1				
28	273292	TUBE	1				
29	273293	TUBE	1				
30	275551	TUBE	1				
31	273401	TUBE/HYD RETURN	1				
32	273533	VALVE/CONTROL (see Page 48 for details)	1				
33	50301817	BLOCK (later block style, one OS tube opening and Ref. No. 57 foam on tube)	4				
	273763	BLOCK (earlier block style, all tube openings are tube size and no foam tube wrap)	4				

* See Page 93 for hose/o-ring information.

** See Page 92 for fitting/o-ring/seal information.

**AL 140 - LIFT ARM
HYDRAULICS (SN 11392 AND BEFORE)**



400587C