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R220
R220 (EU)
R220 X-Series

GEHL®

Form No.
50950171

Revision A
03/14

Skid-Steer Loader



PARTS MANUAL

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Introduction

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

The model and serial number decal for this unit is located on the left chassis upright. “Right” and “Left” are determined from a position sitting on the seat and facing forward.

Manitou Americas 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.

NOTE: Purchase equivalent, quality tires for your loader. Contact your dealer for replacement tire information.

NOTE: Replacement batteries are not provided by the GEHL Company. For battery specifications see “Electrical-Chassis” chapter. ALL REPLACEMENT BATTERIES MUST BE PURCHASED LOCALLY.

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. **If a part requires lubrication or a nonstandard torque value, it will be specified behind the part number description in parenthesis.**

Items shown in the parts list that do not have part numbers are shown for reference purposes only and are NOT available for purchase.

Dimensions are in inches unless otherwise specified.

NOTE: The following abbreviations and symbols may be used herein:

A . . . . . Ampere
AR . . . . . As Required
ASSY . . . . . ASSY
AUX. . . . . Auxiliary
CCA . . . . . Cold Cranking Amperage
CYL . . . . . Cylinder
DH . . . . . Dual Hand
DJS. . . . . Dual Joystick
FL. . . . . Flare
FOPS . . . . . Falling Object Protective Structure
GA . . . . . Gauge
HEX . . . . . Hexagon
H/F . . . . . Hand/Foot
HF . . . . . High-Flow
HYD. . . . . Hydraulic
JIC . . . . . Joint Industrial Council
kW . . . . . Kilowatt
LBS . . . . . Pounds
M . . . . . Meter
MM (mm) . . . . . Millimeter
NA . . . . . Naturally Aspirated
N/A . . . . . Not Applicable
NEG . . . . . Negative
N•m . . . . . Newton meter
NO . . . . . Number
NPT . . . . . National Pipe Thread
NSS . . . . . Not Sold Separately
PN . . . . . Part Number
POS . . . . . Positive
PSI . . . . . Pounds per Square Inch
QTY . . . . . Quantity
REF . . . . . Reference
REQ'D. . . . . Required
ROPS . . . . . Roll Over Protective Structure
RPM. . . . . Revolutions Per Minute
SAE . . . . . Society of Automotive Engineers
SN . . . . . Serial Number
SQ . . . . . Square
ST. . . . . Straight
TB . . . . . T-Bar
TB/JS . . . . . T-Bar/Joystick
TURBO . . . . . Turbocharger
V . . . . . Volt

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https://truckmanualshub.com/

TABLE OF CONTENTS

DESCRIPTION **PAGE**

SECTION A: MAIN LOADER COMPONENT

Chassis (includes HVAC, Heater-Only and Power-A-Tach®) 1
Grille and Engine Cover 19
ROPS/FOPS Structure/Interior (includes Non-HVAC, Heater-Only and HVAC) 23
Restraint Bar 31
Seat and Seat Belt Options 33
Lift Arm 41
Attachment Bracket (includes Power-A-Tach®) 43
Wheel Drives 47
Engine 49
Air Cleaner/Exhaust 55
Radiator/Cooler 59
Hydrostatic System with Drive Motors 61
Hydraulics - Chassis (with Auxiliary Hydraulics and Hydraglide™) 69
Hydraulics - Lift Arm 93
Controls - Wheel Drives - Lift/Tilt 97
Controls - Engine 109
Electrical - Chassis (includes Hydraglide™) 111
Electrical - ROPS/FOPS 117
Electrical - Lights 123
Electrical - Engine 125
Electrical - Control 129
Electrical - 14-Pin Auxiliary Connector 131
Four-Point Lift 133
Sound Suppression 135
Brake Release 147
Tires 149
Decals 152

SECTION B: HYDRAULIC COMPONENTS and HEATER/HVAC HOUSINGS

Lift Cylinder 163
Tilt Cylinder 165
Drive Motors with Parking Brake 167
Tandem Pumps 171
Gear Pumps - Single and Double 179
Self-Leveling Valve 183
Solenoid Valves - Lift and Tilt 185
Solenoid Valves - Brake, Joystick Supply and Brake Release 187
Main Control Valves 189
Hydraglide™ Ride Control Manifold Valve 193
Condensor, Heater Housing and HVAC Housing Assembly 195
Foot Valve 197

(continued on next page)

https://truckmanualshub.com/

TABLE OF CONTENTS

DESCRIPTION **PAGE**

SECTION C: FILTER LISTING, KITS AND ACCESSORIES

Filter Listing, Analysis Kits and Other Available Accessories 198
50850001 Counterweight Kit 199
50352739 Auxiliary Coupler Service Kits 199
811496 Warning Lamp Kit 200
811488 Rearview Mirror Kit 201
811489 AM/FM Radio Kit 202
3-Point Restraint - 2" Seat Belt 810426 and 3" Seat Belt 810427 203
50850344 Backup Alarm Kit for T-Bar Controls 204
805855 Engine Block Heater Kit 205
50850284 Cab Door Kit 206
811487 Side Window Kit 208
Seat Belt Kits - 2" 810424 and 3" 810425 209
Seat Kits - Suspension 810422 and Standard 810423 209
810946 Universal Radio Kit 210
50850341 Dual Flasher Kit 211
50850116 Impact-Resistant Front Door Kit 212
50850328 Four-Point Lift Kit 213
811486 Backup Alarm Kit for Dual Joystick and Hand/Foot 214
50850357 Rear Wiper Kit 215
50850374 Power-A-Tach Kit 216
50450384 Completing Kit for all Power-A-Tach Kits 218
50850396 Cab Heater Kit 219
50850475 Electric Attachment Control Kit 222
50850457 Single-Point Lift Kit 223
50850556 Pre-Cleaner Kit (Non-DPF Models) 224
50850572 (EU & X-Series) Backup Alarm Kit 225

SECTION D: SCHEMATICS

Electrical Schematic - HVAC 227
Electrical Schematic - Heater/Defroster 228
Electrical Schematic - 14-Pin Connector 229
Hydrostatic/Hydraulic Schematic - Hand/Foot 230
Hydrostatic/Hydraulic Schematic - Dual Joystick 231
Hydrostatic/Hydraulic Schematic - T-Bar 232
Hydrostatic/Hydraulic Schematic - Dual Hand 233
Electrical Schematic - Engine 234
Electrical Schematic - Chassis 236
Electrical Schematic - ROPS 238

Numerical Index 240
O-Ring Table, Coupling & Adapter Torque Table 255
Torque Specifications Table . . . . . .Inside Back Cover

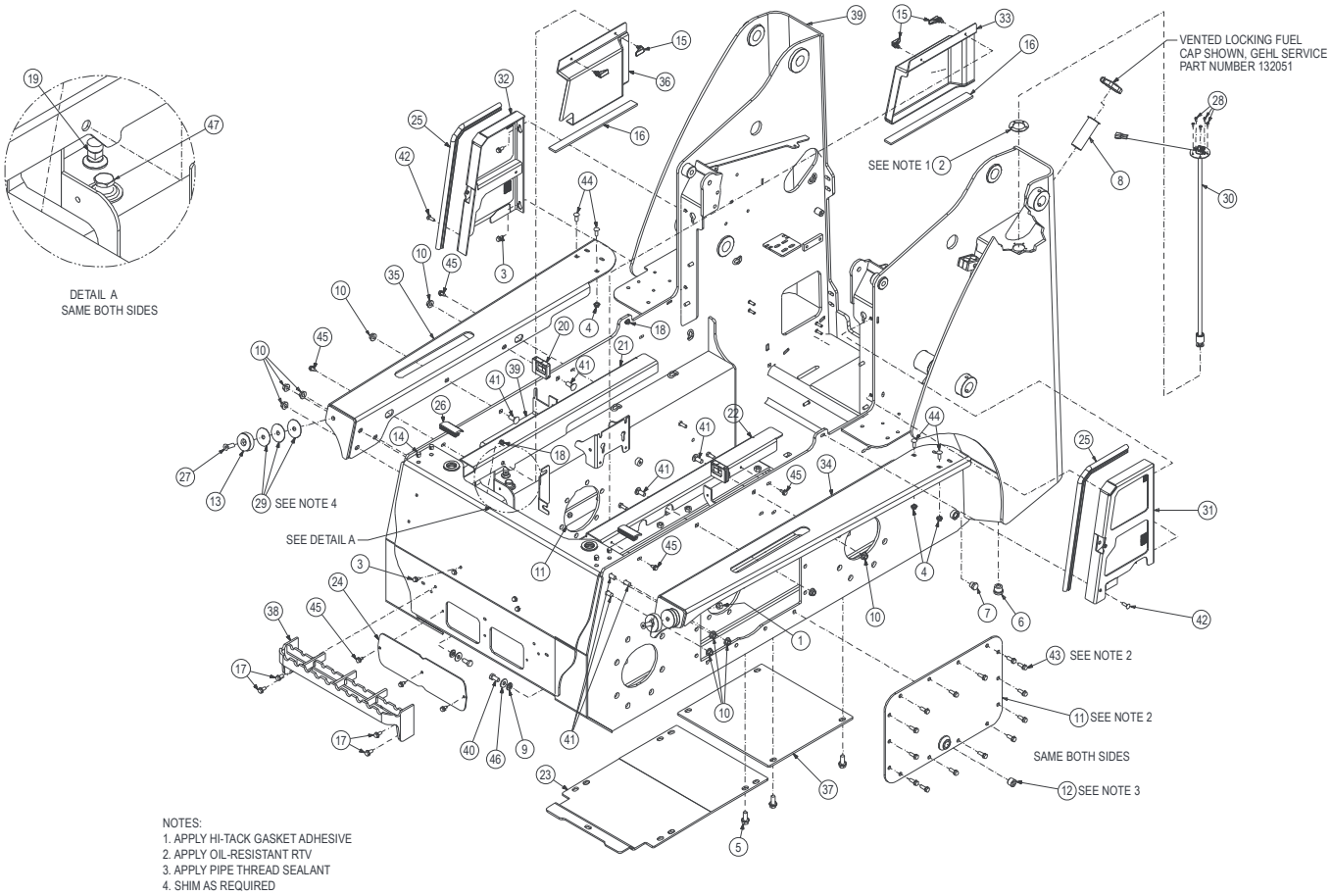
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Seat and Seat Belt Options 33
Lift Arm 41
Attachment Bracket (includes Power-A-Tach®) 43
Wheel Drives 47
Engine 49
Air Cleaner/Exhaust 55
Radiator/Cooler 59
Hydrostatic System with Drive Motors 61
Hydraulics - Chassis (with Auxiliary Hydraulics and Hydraglide™) 69
Hydraulics - Lift Arm 93
Controls - Wheel Drives - Lift/Tilt 97
Controls - Engine 109
Electrical - Chassis (includes Hydraglide™) 111
Electrical - ROPS/FOPS 117
Electrical - Lights 123
Electrical - Engine 125
Electrical - Control 129
Electrical - 14-Pin Auxiliary Connector 131
Four-Point Lift 133
Sound Suppression 135
Brake Release 147
Tires 149
Decals 152

https://truckmanualshub.com/

SN 173613 and Up



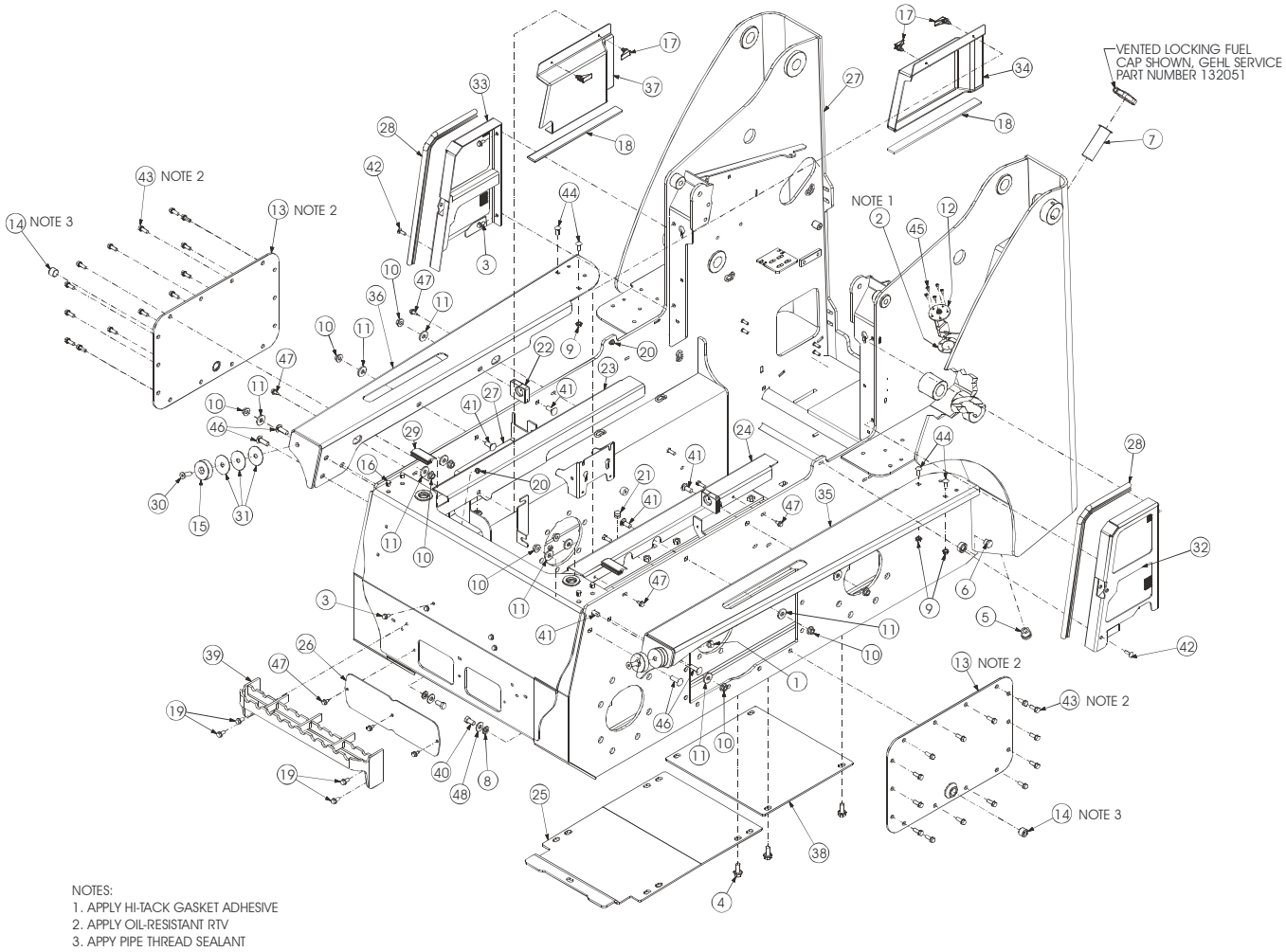
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Ref. No.	Part No.	Description	Quantity
1	071706	NUT/LOCK 1/2	2
2	072343	GASKET/FUEL SENDER	1
3	081380	SCREW/CAP HEX FLANGE LOCKING 5/16 X 3/4	8
4	090666	NUT/LOCK SERRATED FLANGE 3/8	4
5	092164	SCREW/CAP HEX FLANGE LOCKING 1/2 X 1-1/4	6
6	131522	PLUG MORB12	1
7	131529	PLUG MORB08	1
8	132050	STRAINER/FUEL FILL	1
	650702	SCREW/TAPPING PAN HEAD THREAD FORMING #6 X 3/8	2
9	132298	WASHER/SEAL	2
10	134853	NUT/SPIRALOCK™ 1/2	10
11	138593	ASSY/CHAINCASE COVER	2
12	184670	PLUG/PIPE SQUARE SOCKET MP12	2
13	189144	STOP/DOWN	2
14	191826	PLUG/HOLE	4
15	193706	LATCH/SWELL	4
16	194271	STRIP/FOAM 1/4 X 1-1/2 X 15-13/16	2
17	195138	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 3/8 X 3/4	4
18	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	6
19	230-32588	VENT/AIR	2
20	240903	PLUG/PASS THROUGH	2
21	241233	FILLER/ROPS RIGHT	1
22	241234	FILLER/ROPS LEFT	1
23	241397	PAN/BELLY	1
24	242675	COVER/CLEAN-OUT	1
25	244559	SEAL/BULB 90°	2
26	245238	SEAL/FILLER PLATE	2
27	310-32585	SCREW/CAP FLAT HARDENED 1/2 X 1-1/2	2
28	310-32624	SCREW/CAP SELF-TAPPING #10 X 5/8	5
29	360-32599	SHIM	6
30	50302792	SENDER/FUEL	1
31	50350493	CHASSIS SIDE COVER/LEFT	1
32	50350496	CHASSIS SIDE COVER/RIGHT	1
33	50350568	COVER/LOWER LEFT	1
34	50350570	FENDER/WLDMT/LEFT	1
35	50350572	FENDER/WLDMT/RIGHT	1
36	50350573	COVER/LOWER RIGHT	1
37	50352443	COVER/CHASSIS	1
38	50352769	STEP	1
39	50353762	WLDMT/CHASSIS	1
40	650494	SCREW/CAP 1/2 X 1	2
41	650527	BOLT/CARRIAGE ROUND HEAD SQUARE NECK 1/2 X 1/-14	10
42	650573	BOLT/CARRIAGE 5/16 X 1	2
43	651042	SCREW/MACHINE HEX WASHER HEAD 3/8 X 1	28
44	651067	BOLT/CARRIAGE ROUND HEAD SQUARE NECK 3/8 X 1	4
45	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	7
46	654046	WASHER/FLAT 7/16	2
47	L43846	PLUG MP08	2

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SN 173612 and Before



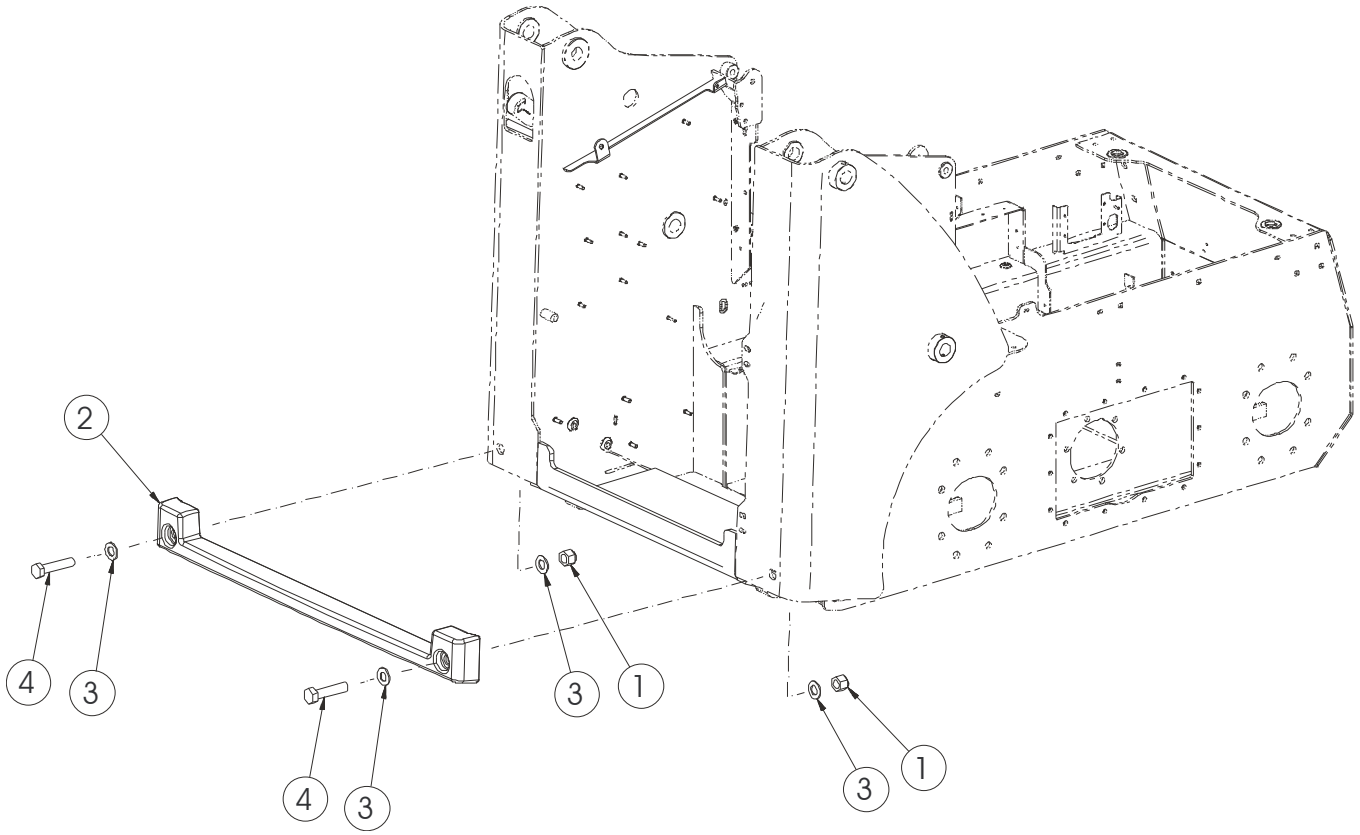
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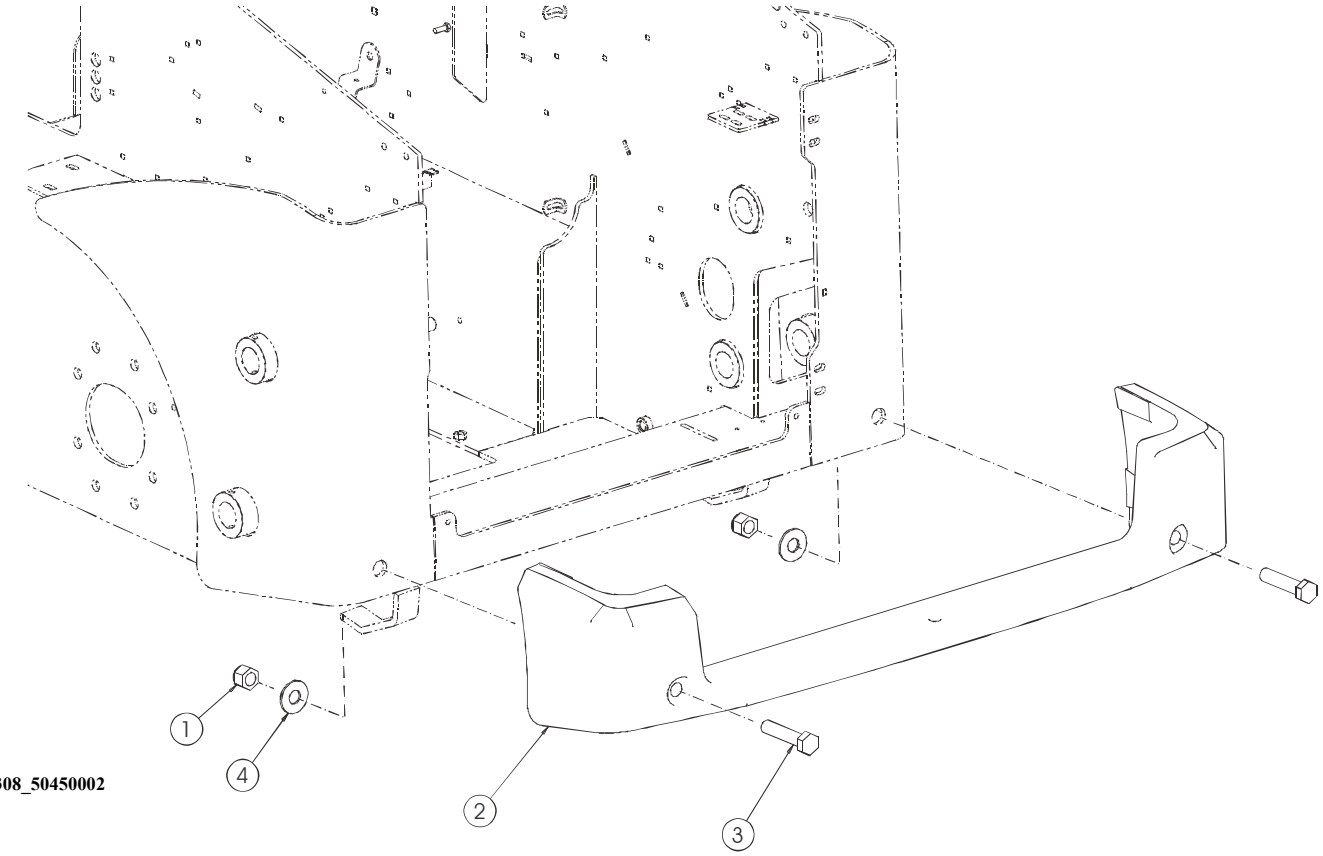
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Ref. No.	Part No.	Description	Quantity
1	071706	NUT/LOCK 1/2	2
2	072343	GASKET/FUEL SENDER	1
3	081380	SCREW/CAP HEX FLANGE LOCKING 5/16 X 3/4	8
4	092164	SCREW/CAP HEX FLANGE LOCKING 1/2 X 1-1/4	6
5	131522	PLUG MORB12	1
6	131529	PLUG MORB08	1
7	132050	STRAINER/FUEL FILL	1
	650702	SCREW/TAPPING PAN HEAD THREAD FORMING #6 X 3/8	2
8	132298	WASHER/SEAL	2
9	090666	NUT/LOCK SERRATED FLANGE 3/8	4
10	134853	NUT/SPIRALOCK™ 1/2	10
11	134966	WASHER/FLAT HARDENED 1/2	10
12	136013	FUEL SENSOR/VDO	1
13	138593	ASSY/CHAINCASE COVER	2
14	184670	PLUG/PIPE SQUARE SOCKET MP12	2
15	189144	STOP/DOWN	2
16	191826	PLUG/HOLE	4
17	193706	LATCH/SWELL	4
18	194271	STRIP/FOAM 1/4 X 1-1/2 X 15-13/16	2
19	195138	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 3/8 X 3/4	4
20	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	6
21	230-32588	VENT/AIR	2
22	240903	PLUG/PASS THROUGH	2
23	241233	FILLER/ROPS RIGHT	1
24	241234	FILLER/ROPS LEFT	1
25	241397	PAN/BELLY	1
26	242675	COVER/CLEAN-OUT	1
27	244230	CHASSIS/WLDMT	1
28	244559	SEAL/BULB 90°	2
29	245238	SEAL/FILLER PLATE	2
30	310-32585	SCREW/CAP FLAT HARDENED 1/2 X 1-1/2	2
31	360-32599	SHIM	6
32	50350493	CHASSIS SIDE COVER/LEFT	1
33	50350496	CHASSIS SIDE COVER/RIGHT	1
34	50350568	COVER/LOWER LEFT	1
35	50350570	FENDER/WLDMT/LEFT	1
36	50350572	FENDER/WLDMT/RIGHT	1
37	50350573	COVER/LOWER RIGHT	1
38	50352443	COVER/CHASSIS	1
39	50352769	STEP	1
40	650494	SCREW/CAP 1/2 X 1	2
41	650527	BOLT/CARRIAGE 1/2 X 1/-14	6
42	650573	BOLT/CARRIAGE 5/16 X 1	2
43	651042	SCREW/MACHINE HEX WASHER HEAD 3/8 X 1	28
44	651067	BOLT/CARRIAGE ROUND HEAD SQUARE NECK 3/8 X 1	4
45	651312	SCREW/MACHINE TRUSS HEAD SLOTTED CROSS-RECESSED #10 X 1/2	5
46	651324	BOLT/CARRIAGE ROUND HEAD SQUARE NECK 1/2 X 1-1/2	4
47	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	7
48	654046	WASHER/FLAT 7/16	2

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Rear Bumper and Counterweight





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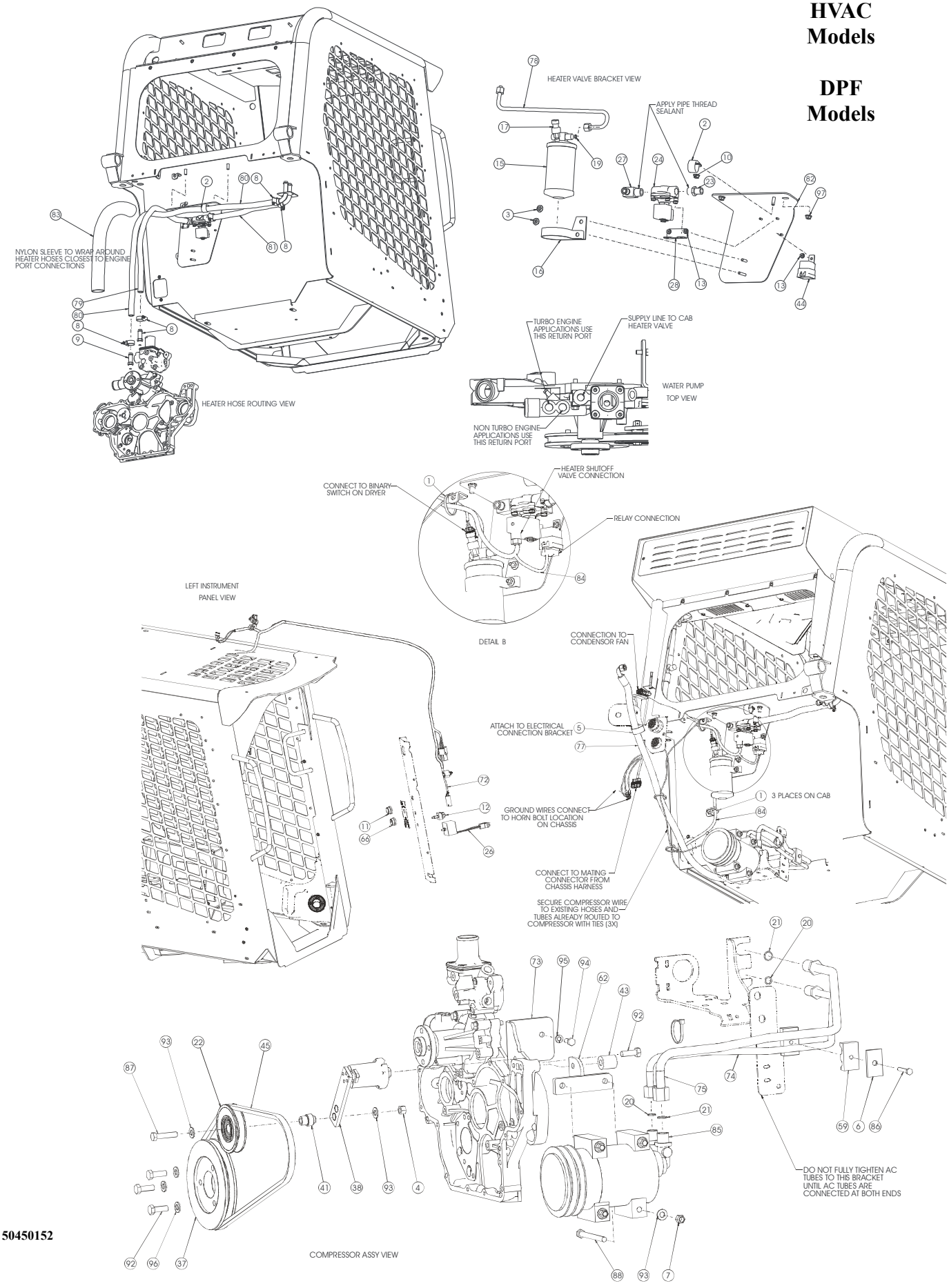
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Ref. No.	Part No.	Description	Quantity
1	132681	NUT/HEX LOCK 1.00	2
2	50350599	BUMPER/REAR-CASTING	1
3	651151	WASHER/FLAT 1.00	4
4	651628	SCREW/CAP 1 X 3-3/4	2

Ref. No.	Part No.	Description	Quantity
1	132681	NUT/HEX LOCK 1.00	2
2	244322	COUNTERWEIGHT/CAST	1
3	651816	SCREW/CAP 1 X 4-1/2	2
4	654016	WASHER/FLAT 1.00	2

HVAC Models

DPF Models



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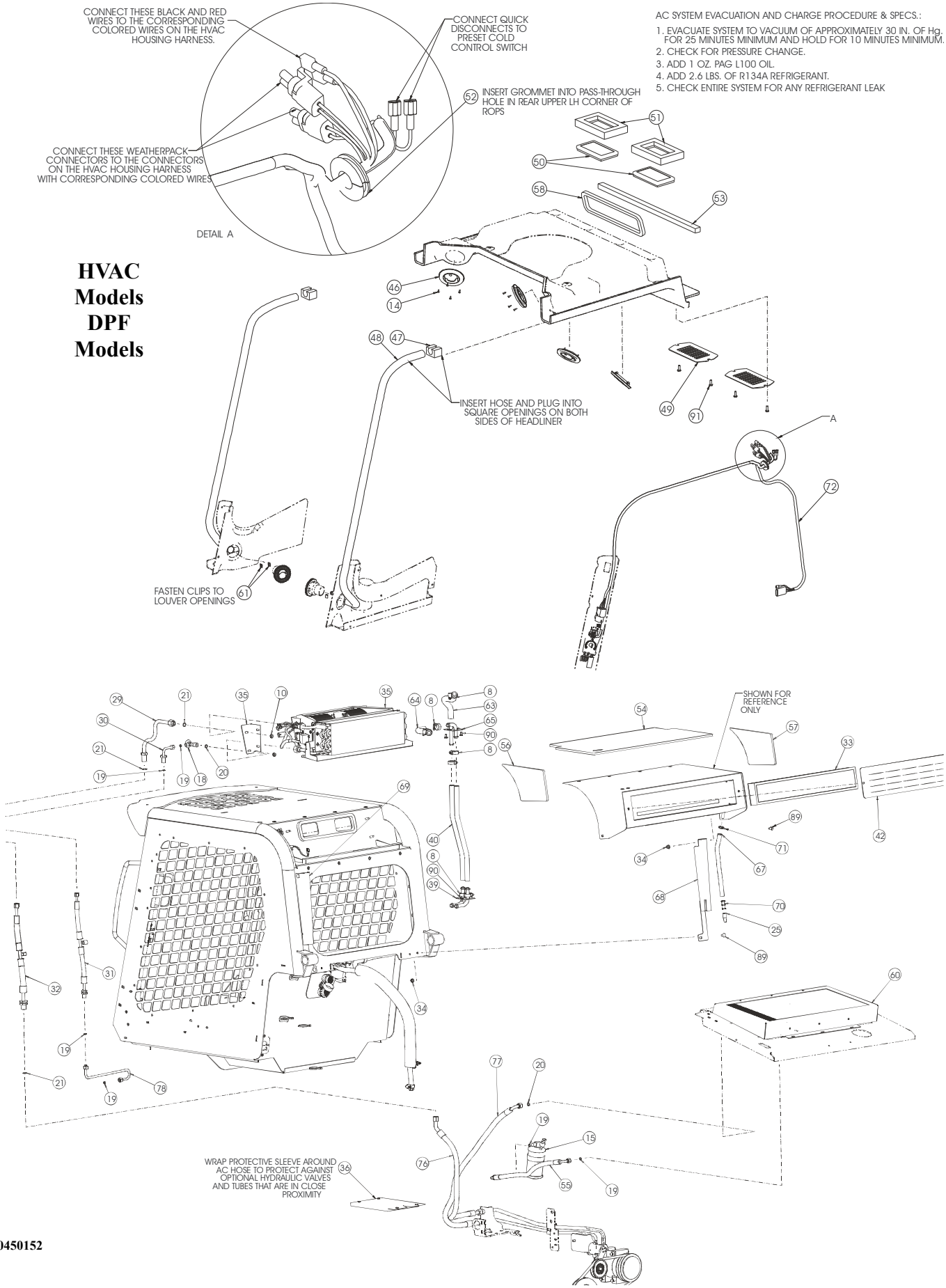
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Ref. No.	Part No.	Description	DPF Models HVAC Quantity
1	055648	TIE/CABLE 3/16 X 7-1/2	6
2	058805	CLAMP/HOSE 1-1/8 X 13/32 HOLE	1
3	070634	NUT/LOCK LARGE FLANGE SERRATED LOCK 1/4	2
4	071703	NUT/LOCK HEX 3/8	1
5	075196	CLAMP/HOSE 1-1/2 X 13/32 HOLE	1
6	079098	PLATE/TOP SIZE 2 TWIN FLAT	1
7	094762	NUT/LOCK OVAL TOP 3/8	4
8	095955	CLAMP/HOSE #10	14
9	104052	FITTING/STRAIGHT HB10-MBSPT06	2
10	131842	NUT/SPIRALOCK™ 5/16	5
11	136304	KNOB/HEATER SWITCH	1
12	136305	SWITCH/HEATER	1
13	137797	NUT/WHIZLOCK SERRATED FLANGE #10	3
14	195110	SCREW/TAPPING CROSS RECESSED COUNTERSUNK HEAD #8 X 1/2	16
15	138649	RECEIVER/DRYER/AC	1
16	138651	CLAMP/RECEIVER DRYER	1
17	138714	SWITCH/BINARY/AC	1
18	138723	VALVE/EXPANSION/AC	1
	194935	KIT/O-RING	1
19	138777	O-RING/AC/#6 FITTING	6
20	138778	O-RING/AC/#8 FITTING	4
21	138779	O-RING/AC/#10 FITTING	5
22	139952	PULLEY/VEE W/BEARING	1
23	186193	FITTING/STRAIGHT HB10-MP08	1
24	186703	HEATER/AC SOLENOID VALVE	1
25	187030	CAP/DRIP	2
26	189033	MODULE/AC CONTROL	1
27	191351	FITTING/ELBOW 90° 1/2 NPT	1
28	193002	BRACKET/HEATER VALVE	1
29	195585	TUBE/AC #10	1
30	195588	TUBE/AC/#6	1
31	195605	HOSE/#6/AC	1
32	195606	HOSE/#10/AC	1
33	195660	FILTER/HVAC FRESH AIR	1
34	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	4
35	240461 a	ASSY/MAIN HVAC HOUSING	1
36	240503	PAD/INSULATION	1
37	241008	PULLEY/CRANK/AC/YANMAR	1
38	241010	TENSIONER/BELT	1
39	241208	PLATE/HEATER TUBES	1
40	241209	HOSE/HEATER	2
41	241385	SPACER/PULLEY	1
42	241486	PLATE/COVER LOUVERED	1
43	241844	SPACER/ALTERNATOR	1
44	242145	RELAY/SEALED	1
45	50354368	BELT/AC	1
46	242437	VENT	4
47	242534	PLUG/PASS-THROUGH TUBE	2
48	242537	TUBE/FORWARD HVAC	2
49	242831	COVER/RECIRC	2
50	242832	FILTER/RECIRC	2
51	242833	PAD/SEALING FILTER	2

a) For breakdown see “Section B” of this manual.

Parts Listing Continued On Next Page

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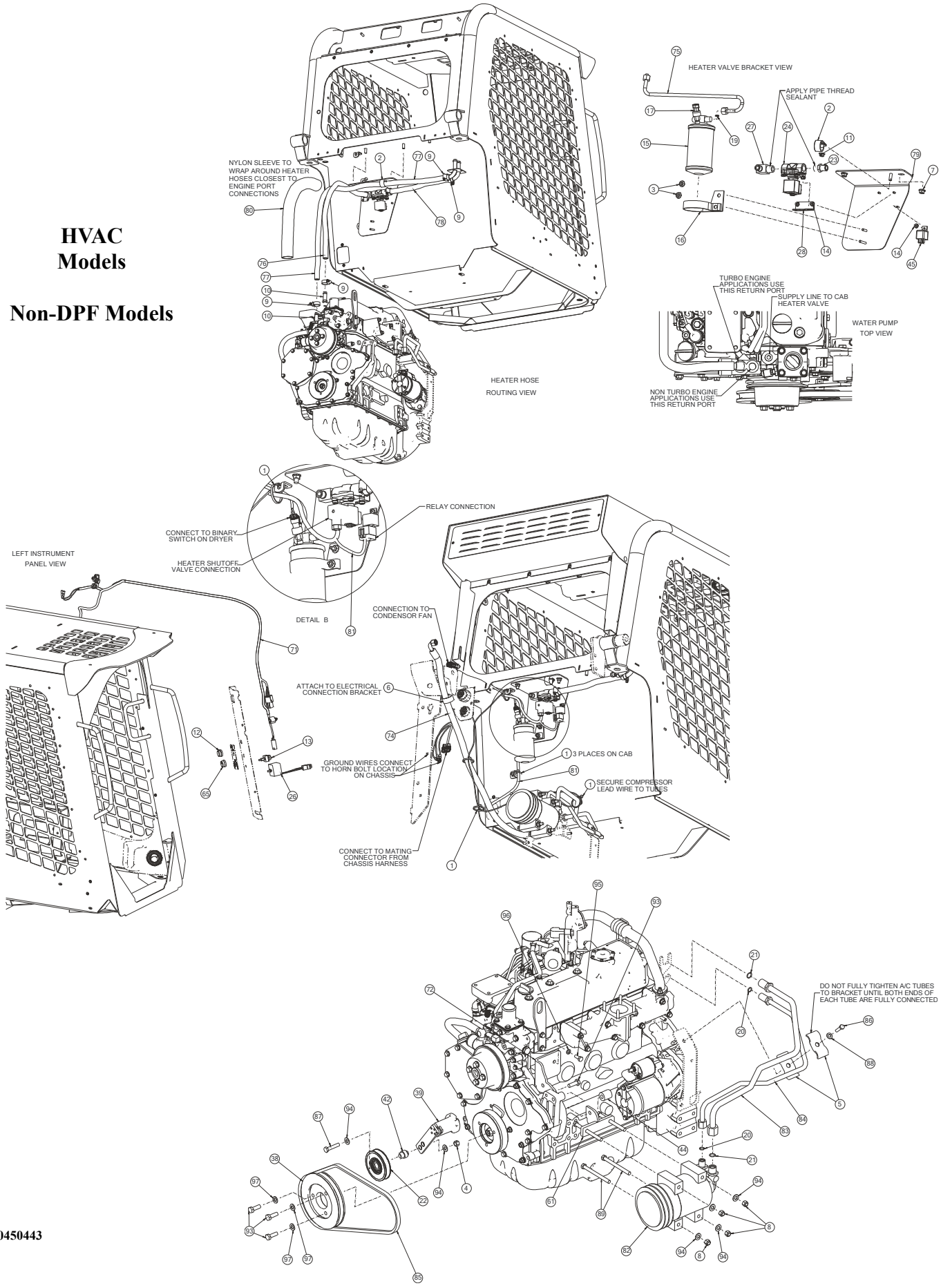
Ref. No.	Part No.	Description	DPF Models HVAC Quantity
52	242862	GROMMET/HVAC COMPT	1
53	242863	PAD/FOAM SEALING STRIP	1
54	242917	PAD/HOUSING TOP	1
55	242971	HOSE/#6 A/C	1
56	243013	PAD/HOUSING LEFT	1
57	243014	PAD/HOUSING RIGHT	1
58	243017	PAD/HVAC HEADLINER SEAL	1
59	243033	CLAMP/TUBE/TWIN/AC	2
60	243076 a	ASSY/CONDENSER	1
61	243445	CLIP/HOSE RETAINING	4
62	243493	BRACKET/COMPRESSOR	1
63	243737	HOSE/MOLDED HEATER (SUPPLY)	1
64	243738	HOSE/MOLDED HEATER (RETURN)	1
65	243741	TUBE/HEATER	1
66	244496	KNOB/HVAC TEMP CONTROL	1
67	244770	TUBE/DRAIN HVAC	2
68	244813	COVER/DRAIN HVAC RIGHT	1
69	244814	COVER/DRAIN HVAC LEFT	1
70	244815	HOSE/MENDER 1/2 HOSE	2
71	245235	CLAMP/HOSE WIRE 3/4 OD	2
72	50351041	HARNESS/HVAC CAB	1
73	50351254	BRACKET/TENSIONER	1
74	50351749	TUBE/AC HIGH PRESSURE	1
75	50351750	TUBE/AC LOW PRESSURE	1
76	50352030	HOSE/#10 A/C	1
77	50352031	HOSE/A/C #8	1
78	50352061	TUBE/AC/#6	1
79	50352401	HOSE HEATER 5/8 X 35	1
80	50352402	HOSE HEATER 5/8 X 50	1
81	50352403	HOSE HEATER 5/8 X 14	1
82	50352404	ASSY/BRACKET HEATER VALVE	1
83	50352424	SLEEVE HG28 X 27	1
84	50352427	HARNESS/HVAC CHASSIS	1
85	50352428	COMPRESSOR/A-C	1
86	650419	SCREW/CAP 1/4 X 1-3/4	1
87	650579	SCREW/CAP 3/8 X 1-3/4	1
88	650851	SCREW/CAP 3/8 X 4-1/2	4
89	650969	BOLT/CARRIAGE ROUND HEAD SOCKET SQUARE NECK 5/16 X 5/8	4
90	651307	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1/2	4
91	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
92	651395	SCREW/CAP M10 X 30 MM	4
93	654049	WASHER/FLAT 3/8	6
94	656001	SCREW/CAP M8 X 20 MM	1
95	656110	WASHER/LOCK M8	1
96	656133	WASHER/FLAT M10	3
97	090666	NUT/LOCK SERRATED FLANGE 3/8	2

a) For breakdown see “Section B” of this manual.

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HVAC Models

Non-DPF Models



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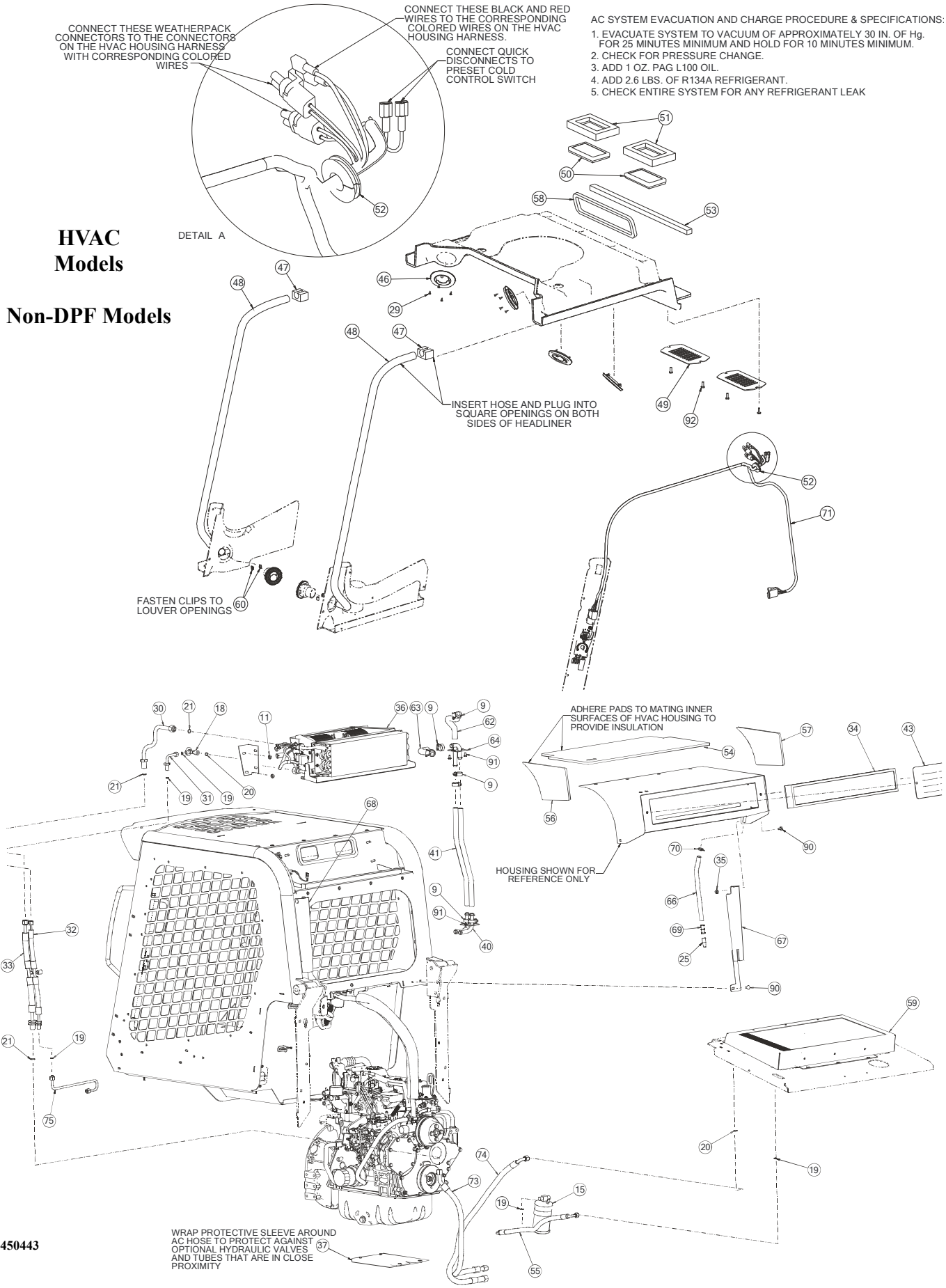
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Ref. No.	Part No.	Description	Non-DPF Models HVAC Quantity
1	055648	TIE/CABLE 3/16 X 7-1/2	6
2	058805	CLAMP/HOSE 1-1/8 X 13/32 HOLE	1
3	070634	NUT/LOCK LARGE FLANGE SERRATED LOCK 1/4	2
4	071703	NUT/LOCK HEX 3/8	1
5	074395	CLAMP/HOSE	2
6	075196	CLAMP/HOSE 1-1/2 X 13/32 HOLE	1
7	090666	NUT/LOCK SERRATED FLANGE 3/8	2
8	094762	NUT/LOCK OVAL TOP 3/8	4
9	095955	CLAMP/HOSE #10	14
10	104052	FITTING/STRAIGHT HB10-MBSPT06	2
11	131842	NUT/SPIRALOCK™ 5/16	5
12	136304	KNOB/HEATER SWITCH	1
13	136305	SWITCH/HEATER	1
14	137797	NUT/WHIZLOCK SERRATED FLANGE #10	3
15	138649	RECEIVER/DRYER/AC	1
16	138651	CLAMP/RECEIVER DRYER	1
17	138714	SWITCH/BINARY/AC	1
18	138723	VALVE/EXPANSION/AC	1
	194935	KIT/O-RING	1
19	138777	O-RING/AC/#6 FITTING	6
20	138778	O-RING/AC/#8 FITTING	4
21	138779	O-RING/AC/#10 FITTING	5
22	139952	PULLEY/VEE W/BEARING	1
23	186193	FITTING/STRAIGHT HB10-MP08	1
24	186703	HEATER/AC SOLENOID VALVE	1
25	187030	CAP/DRIP	2
26	189033	MODULE/AC CONTROL	1
27	191351	FITTING/ELBOW 90° 1/2 NPT	1
28	193002	BRACKET/HEATER VALVE	1
29	195110	SCREW/TAPPING CROSS RECESSED COUNTERSUNK HEAD #8 X 1/2	16
30	195585	TUBE/AC #10	1
31	195588	TUBE/AC/#6	1
32	195605	HOSE/#6/AC	1
33	195606	HOSE/#10/AC	1
34	195660	FILTER/HVAC FRESH AIR	1
35	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	4
36	240461 a	ASSY/MAIN HVAC HOUSING	1
37	240503	PAD/INSULATION	1
38	241008	PULLEY/CRANK/AC/YANMAR	1
39	241010	TENSIONER/BELT	1
40	241208	PLATE/HEATER TUBES	1
41	241209	HOSE/HEATER	2
42	241385	SPACER/PULLEY	1
43	241486	PLATE/COVER LOUVERED	1
44	241844	SPACER/ALTERNATOR	1
45	242145	RELAY/SEALED	1
46	242437	VENT	4
47	242534	PLUG/PASS-THROUGH TUBE	2
48	242537	TUBE/FORWARD HVAC	2
49	242831	COVER/RECIRC	2
50	242832	FILTER/RECIRC	2

a) For breakdown see “Section B” of this manual.

Parts Listing Continued On Next Page

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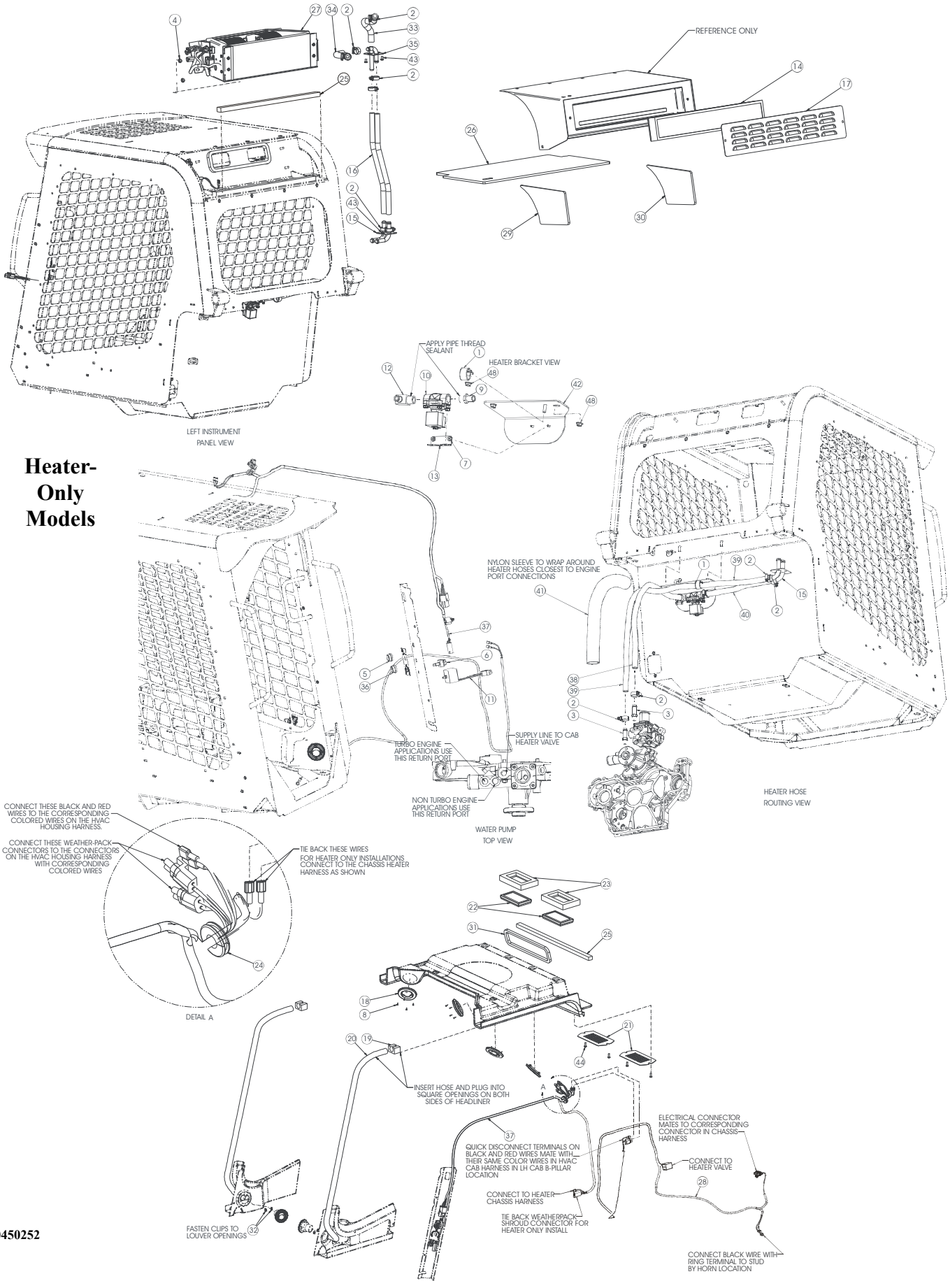
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Ref. No.	Part No.	Description	Non-DPF Models HVAC Quantity
51	242833	PAD/SEALING FILTER	2
52	242862	GROMMET/HVAC COMPT	1
53	242863	PAD/FOAM SEALING STRIP	1
54	242917	PAD/HOUSING TOP	1
55	242971	HOSE/#6 A/C	1
56	243013	PAD/HOUSING LEFT	1
57	243014	PAD/HOUSING RIGHT	1
58	243017	PAD/HVAC HEADLINER SEAL	1
59	243076 a	ASSY/CONDENSER	1
60	243445	CLIP/HOSE RETAINING	4
61	243493	BRACKET/COMPRESSOR	1
62	243737	HOSE/MOLDED HEATER (SUPPLY)	1
63	243738	HOSE/MOLDED HEATER (RETURN)	1
64	243741	TUBE/HEATER	1
65	244496	KNOB/HVAC TEMP CONTROL	1
66	244770	TUBE/DRAIN HVAC	2
67	244813	COVER/DRAIN HVAC RIGHT	1
68	244814	COVER/DRAIN HVAC LEFT	1
69	244815	HOSE/MENDER 1/2 HOSE	2
70	245235	CLAMP/HOSE WIRE 3/4 OD	2
71	50351041	HARNESS/HVAC CAB	1
72	241251	BRACKET/TENSIONER	1
73	50352030	HOSE/#10 A/C	1
74	50352031	HOSE/A/C #8	1
75	50352061	TUBE/AC/#6	1
76	50352401	HOSE HEATER 5/8 X 35	1
77	50352402	HOSE HEATER 5/8 X 50	1
78	50352403	HOSE HEATER 5/8 X 14	1
79	50352404	ASSY/BRACKET HEATER VALVE	1
80	50352424	SLEEVE HG28 X 27	1
81	50352427	HARNESS/HVAC CHASSIS	1
82	50352428	COMPRESSOR/A-C	1
83	50353675	TUBE/HVAC LOW PRESSURE	1
84	50353677	TUBE/HVAC HIGH PRESSURE	1
85	50354368	BELT/AC	1
86	650545	SCREW/CAP 5/16 X 1-1/4	1
87	650579	SCREW/CAP 3/8 X 1-3/4	1
88	650810	WASHER/FLAT 5/16	1
89	650851	SCREW/CAP 3/8 X 4-1/2	4
90	650969	BOLT/CARRIAGE ROUND HEAD SOCKET SQUARE NECK 5/16 X 5/8	4
91	651307	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1/2	4
92	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
93	651395	SCREW/CAP M10 X 30 MM	4
94	654049	WASHER/FLAT 3/8	6
95	651803	SCREW/CAP M8 X 20 MM	1
96	656110	WASHER/LOCK M8	1
97	656133	WASHER/FLAT M10	3

a) For breakdown see “Section B” of this manual.

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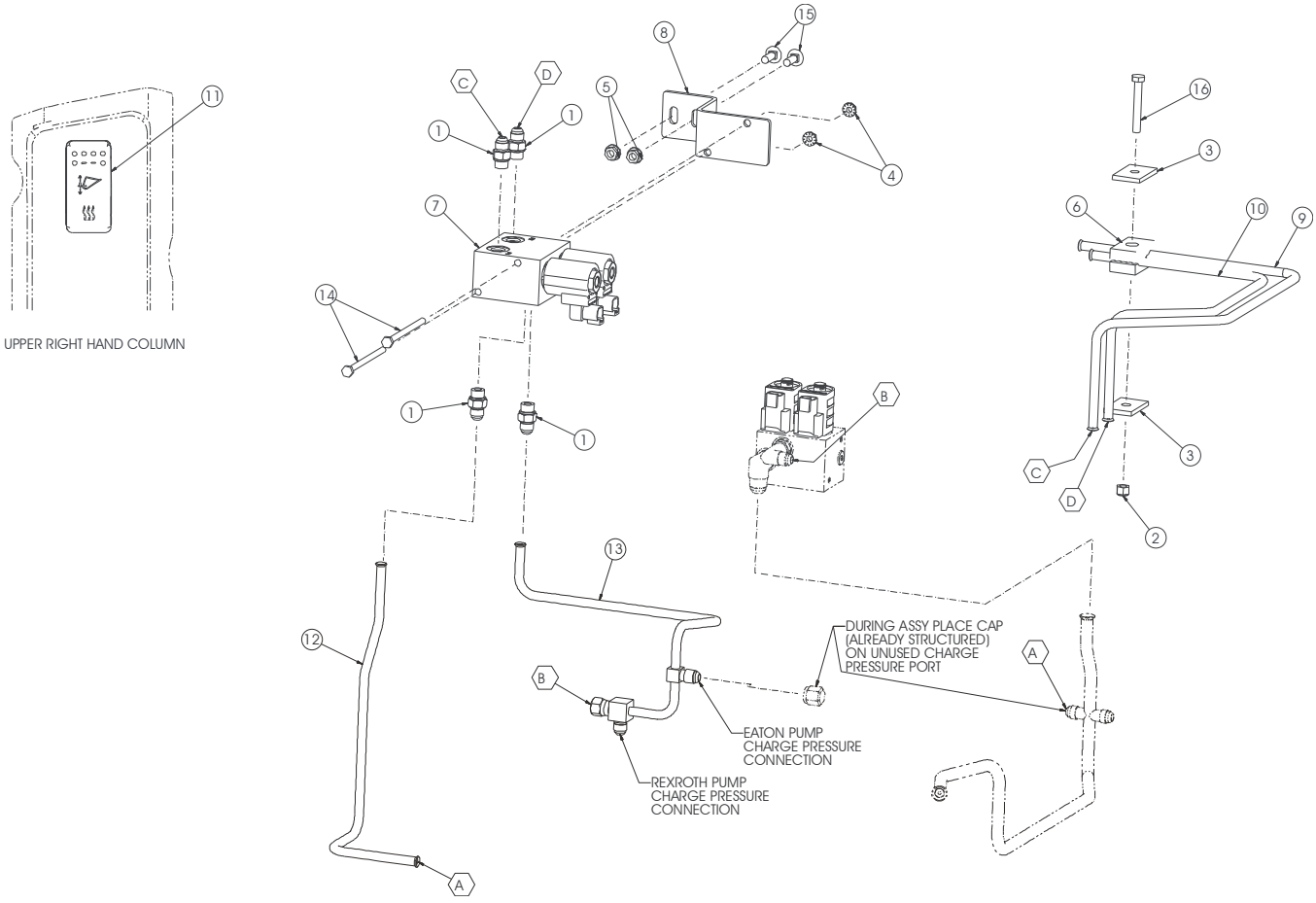
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Ref. No.	Part No.	Description	Heater Quantity
1	058805	CLAMP/HOSE 1-1/8 X 13/32 HOLE	1
2	095955	CLAMP/HOSE #10	14
3	104052	FITTING/STRAIGHT HB10-MBSPT06	2
4	131842	NUT/SPIRALOCK™ 5/16	5
5	136304	KNOB/HEATER SWITCH	1
6	136305	SWITCH/HEATER	1
7	137797	NUT/WHIZLOCK SERRATED FLANGE #10	2
8	195110	SCREW/TAPPING CROSS RECESSED COUNTERSUNK HEAD #8 X 1/2	16
9	186193	FITTING/STRAIGHT HB10-MP08	1
10	186703	HEATER/AC SOLENOID VALVE	1
11	189033	MODULE/AC CONTROL	1
12	191351	FITTING/ELBOW 90º 1/2 NPT	1
13	193002	BRACKET/HEATER VALVE	1
14	195660	FILTER/HVAC FRESH AIR	1
15	241208	PLATE/HEATER TUBES	1
16	241209	HOSE/HEATER	2
17	241486	PLATE/COVER LOUVERED	1
18	242437	VENT	4
19	242534	PLUG/PASS-THROUGH TUBE	2
20	242537	TUBE/FORWARD HVAC	2
21	242831	COVER/RECIRC	2
22	242832	FILTER/RECIRC	2
23	242833	PAD/SEALING FILTER	2
24	242862	GROMMET/HVAC COMPT	1
25	242863	PAD/FOAM SEALING STRIP	1
26	242917	PAD/HOUSING TOP	1
27	243007 a	ASSY/HEATER HOUSING	1
28	50351045	HARNESS/CHASSIS HEATER	1
29	243013	PAD/HOUSING LEFT	1
30	243014	PAD/HOUSING RIGHT	1
31	243017	PAD/HVAC HEADLINER SEAL	1
32	243445	CLIP/HOSE RETAINING	4
33	243737	HOSE/MOLDED HEATER (SUPPLY)	1
34	243738	HOSE/MOLDED HEATER (RETURN)	1
35	243741	TUBE/HEATER	1
36	244496	KNOB/HVAC TEMP CONTROL	1
37	50351041	HARNESS/HVAC CAB	1
38	50352401	HOSE HEATER 5/8 X 35	1
39	50352402	HOSE HEATER 5/8 X 50	1
40	50352403	HOSE HEATER 5/8 X 14	1
41	50352424	SLEEVE HG28 X 27	1
42	50352548	ASSY BRACKET HEATER VALVE	1
43	651307	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1/2	6
44	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
48	090666	LN FL SERR 3/8 CZY	2

a) For breakdown see “Section B” of this manual.

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Power-A-Tach®



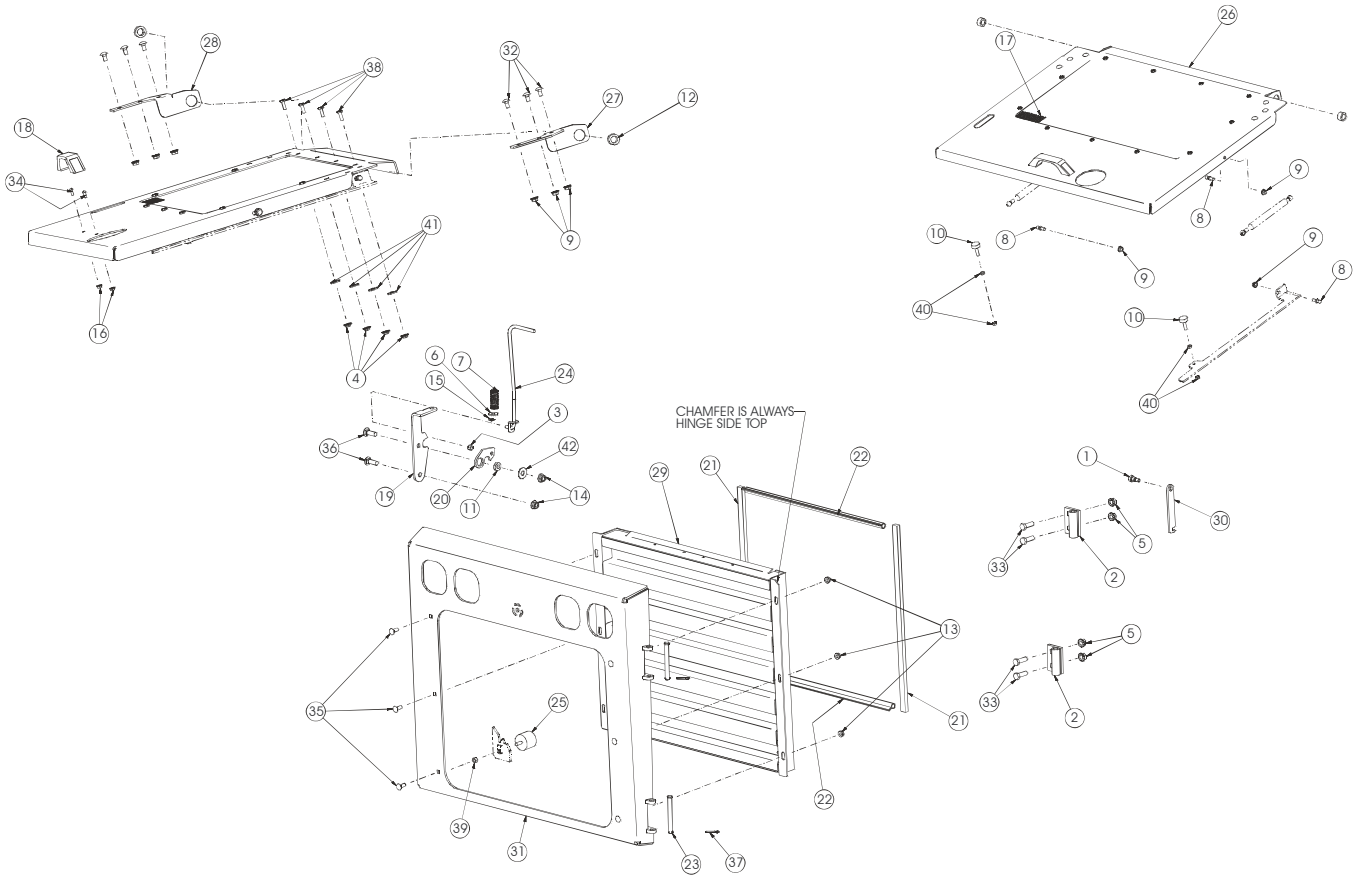
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Ref. No.	Part No.	Description	P-A-T Quantity
1	054994	FITTING/STRAIGHT MJ06-MORB06	4
2	064260	NUT/HEX LOCK 5/16	1
3	079098	PLATE/TOP SIZE 2 TWIN FLAT	2
4	210-19469	NUT/LOCK FLANGE SERRATED 1/4	2
5	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	2
6	245180	CLAMP/TUBE 3/8 TWIN	1
7	50351381	VALVE/POWER-A-TACH	1
8	50351577	BRKT/POWER-A-TACH	1
9	50351590	TUBE/ALLTACH/MANIFOLD	1
10	50351591	TUBE/ALLTACH/MANIFOLD	1
11	50351643	SWITCH/POWER-A-TACH	1
12	50353531	TUBE/ALLTACH/MANIFOLD/DRAIN	1
13	50353532	TUBE/ALLTACH/CHARGE	1
14	650019	SCREW/CAP 1/4 X 4	2
15	650573	BOLT/CARRIAGE 5/16 X 1	2
16	650725	SCREW/CAP 5/16 X 2-1/4	1

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DPF
Models



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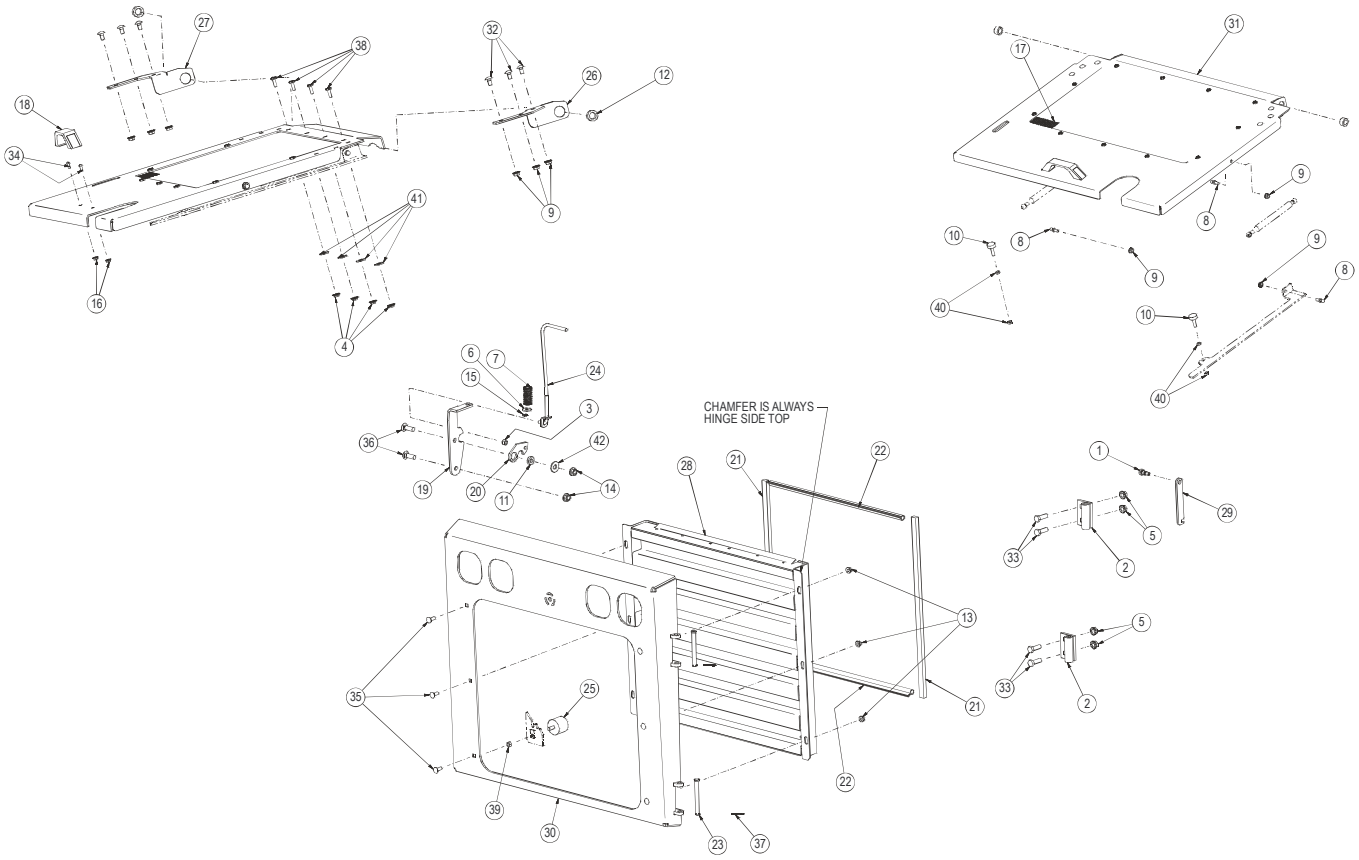
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GRILLE AND ENGINE COVER

Ref. No.	Part No.	Description	DPF Models Quantity
1	030-31926	SCREW/SHOULDER 1/2 X 1/2	1
2	040-33643	HINGE/REAR DOOR	2
3	067847	NUT/HEX LOCK 3/8	1
4	070634	NUT/LOCK LARGE FLANGE SERRATED LOCK 1/4	11
5	081374	NUT/HEX LOCK FLANGE SERRATED 1/2	4
6	088912	WASHER/FLAT 13/32	1
7	114665	SPRING/COMPRESSION	1
8	122485	STUD/BALL 10 MM	4
9	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	10
10	131913	BUMPER	2
11	131940	BUSHING	1
12	131945	BUSHING	2
13	134852	NUT/SPIRALOCK™ 3/8	6
14	134853	NUT/SPIRALOCK™ 1/2	2
15	136251	CLIP/RETAINING	1
16	137797	NUT/WHIZLOCK SERRATED FLANGE #10	2
17	183812	SCREEN	1
18	184023	HANDLE/GRAB/MOLDED	1
19	189833	LATCH/MOUNT	1
20	190045	LATCH/REAR DOOR	1
21	186765	SEAL/BULB	2
22	190282	SEAL/BULB	2
23	220-32536	PIN/CLEVIS	2
24	241679	ASSY/LATCH ROD	1
25	420-13731	BUMPER/RUBBER	1
26	50350574	COVER/ENGINE	1
27	50351055	HINGE/FLANGE/RIGHT	1
28	50351058	HINGE/FLANGE/LEFT	1
29	50351500	GRILLE/REAR	1
30	50352774	LEVER/DOOR PROP	1
31	50352863	DOOR/REAR	1
32	650437	BOLT/CARRIAGE 5/16 X 5/8	6
33	650453	SCREW/CAP 1/2 X 1-1/2	4
34	650548	SCREW/MACHINE ROUND HEAD #10 X 1/2	2
35	650704	BOLT/CARRIAGE 3/8 X 1	6
36	650834	BOLT/CARRIAGE 1/2 X 1-1/2	2
37	650878	PIN/COTTER 5/32 X 1	2
38	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	11
39	653010	NUT/HEX 3/8	1
40	653034	NUT/HEX JAM 5/16	4
41	654004	WASHER/FLAT 5/16	11
42	654009	WASHER/FLAT 1/2	1

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Non-DPF Models



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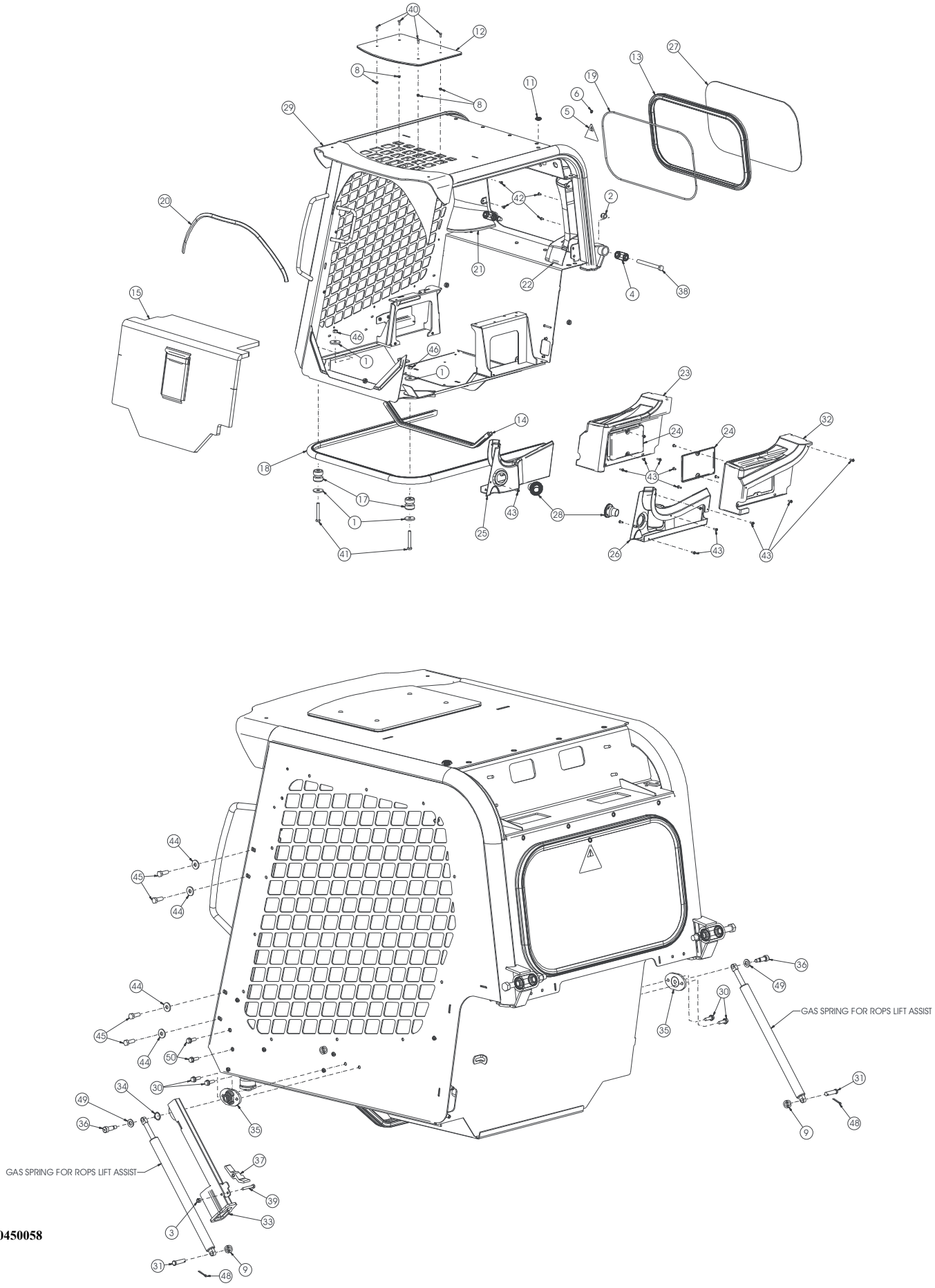
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GRILLE AND ENGINE COVER

Ref. No.	Part No.	Description	Non-DPF Models Quantity
1	030-31926	SCREW/SHOULDER 1/2 X 1/2	1
2	040-33643	HINGE/REAR DOOR	2
3	067847	NUT/HEX LOCK 3/8	1
4	070634	NUT/LOCK LARGE FLANGE SERRATED LOCK 1/4	11
5	081374	NUT/HEX LOCK FLANGE SERRATED 1/2	4
6	088912	WASHER/FLAT 13/32	1
7	114665	SPRING/COMPRESSION	1
8	122485	STUD/BALL 10 MM	4
9	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	10
10	131913	BUMPER	2
11	131940	BUSHING	1
12	131945	BUSHING	2
13	134852	NUT/SPIRALOCK™ 3/8	6
14	134853	NUT/SPIRALOCK™ 1/2	2
15	136251	CLIP/RETAINING	1
16	137797	NUT/WHIZLOCK SERRATED FLANGE #10	2
17	183812	SCREEN	1
18	184023	HANDLE/GRAB/MOLDED	1
19	189833	LATCH/MOUNT	1
20	190045	LATCH/REAR DOOR	1
21	186765	SEAL/BULB	2
22	190282	SEAL/BULB	2
23	220-32536	PIN/CLEVIS	2
24	241679	ASSY/LATCH ROD	1
25	420-13731	BUMPER/RUBBER	1
26	50351055	HINGE/FLANGE/RIGHT	1
27	50351058	HINGE/FLANGE/LEFT	1
28	50351500	GRILLE/REAR	1
29	50352774	LEVER/DOOR PROP	1
30	50352863	DOOR/REAR	1
31	50353822	COVER/ENGINE	1
32	650437	BOLT/CARRIAGE 5/16 X 5/8	6
33	650453	SCREW/CAP 1/2 X 1-1/2	4
34	650548	SCREW/MACHINE ROUND HEAD #10 X 1/2	2
35	650704	BOLT/CARRIAGE 3/8 X 1	6
36	650834	BOLT/CARRIAGE 1/2 X 1-1/2	2
37	650878	PIN/COTTER 5/32 X 1	2
38	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	11
39	653010	NUT/HEX 3/8	1
40	653034	NUT/HEX JAM 5/16	4
41	654004	WASHER/FLAT 5/16	11
42	654009	WASHER/FLAT 1/2	1

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ROPS/FOPS STRUCTURE



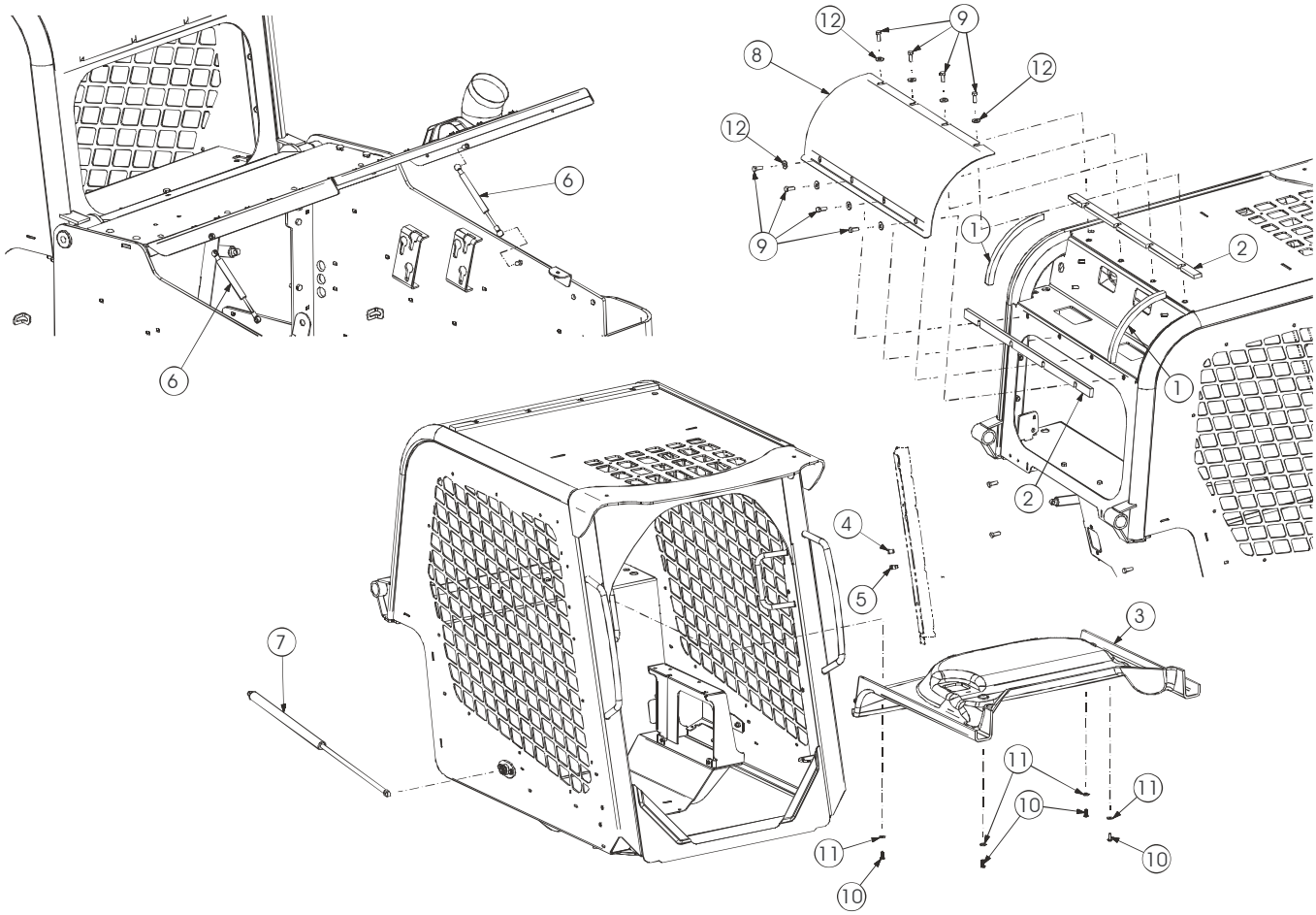
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Ref. No.	Part No.	Description	Quantity
1	057557	WASHER/FLAT 17/32	4
2	067823	NUT/HEX LOCK 5/8	2
3	071401	NUT/HEX INST LOCK 1/4	1
4	072490	ISOLATOR/ROPS	2
5	132166	TAG/RIP CORD	1
6	132294	RING	1
7	137506	INSERT/THREADED 1/4	10
8	138825	NUT/ACORN 1/4	4
9	175773	SPACER	2
10	191737	INSERT/THREADED 1/4	8
11	192182	PLUG/RUBBER	1
12	240054	WINDOW/TOP	1
13	240645	WEATHERSTRIP/WINDOW	1
14	240687	SEAL/BULB	1
15	241187	PAD/ACOUSTIC REAR DECK	1
16	241346	SEAL/FOAM BOTTOM	1
17	241354	MOUNT/ISOLATOR	2
18	241390	SEAL/ROPS TO CHASSIS	1
19	241544	RIPCORD/WEATHERSTRIP	1
20	241560	TRIM/EDGE	1
21	241773	COVER/B-PILLAR RIGHT	1
22	242036	COVER/B-PILLAR LEFT	1
23	242315	CONSOLE/SIDE RIGHT	1
24	242317	PANEL/ACCESS	2
25	242322	CONSOLE/FRONT RIGHT	1
26	242323	CONSOLE/FRONT LEFT	1
27	243270	WINDOW/REAR	1
28	243446	LOUVER/SNAP-IN	2
29	244709	ROPS/FOPS	1
30	50301142	SCREW/CAP HEX FLANGE LOCKING 5/16 X 1	4
31	50350090	PIN/CLEVIS 7/16 X 1-5/8	2
32	50350369	CONSOLE/SIDE LEFT	1
33	50350391	LOCK/ROPS	1
34	50350404	RETAINING RING/EXTERNAL 7/8	1
35	50350409	MOUNT/GAS SPRING	2
36	50350428	SCREW/SHOULDER M12 X 25 MM	2
37	50350692	FLIPPER/ROPS LOCK	1
38	650162	SCREW/CAP 5/8 X 6-1/2	2
39	650419	SCREW/CAP 1/4 X 1-3/4	1
40	650758	BOLT/CARRIAGE 1/4 X 3/4	4
41	651082	SCREW/CAP 1/2 X 3-1/4	2
42	651307	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1/2	8
43	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	18
44	651659	WASHER/FLAT M10 HARDENED	4
45	651821	SCREW/CAP M10 X 30 MM	4
46	653018	NUT/HEX 1/2	2
47	654006	WASHER/FLAT 3/8	4
48	655006	PIN/COTTER 1/8 X 1	2
49	656120	WASHER/FLAT M12	2
50	50302100	SCREW/CAP HEX FLANGE LOCKING 5/16 X 1/2	2

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Non-HVAC



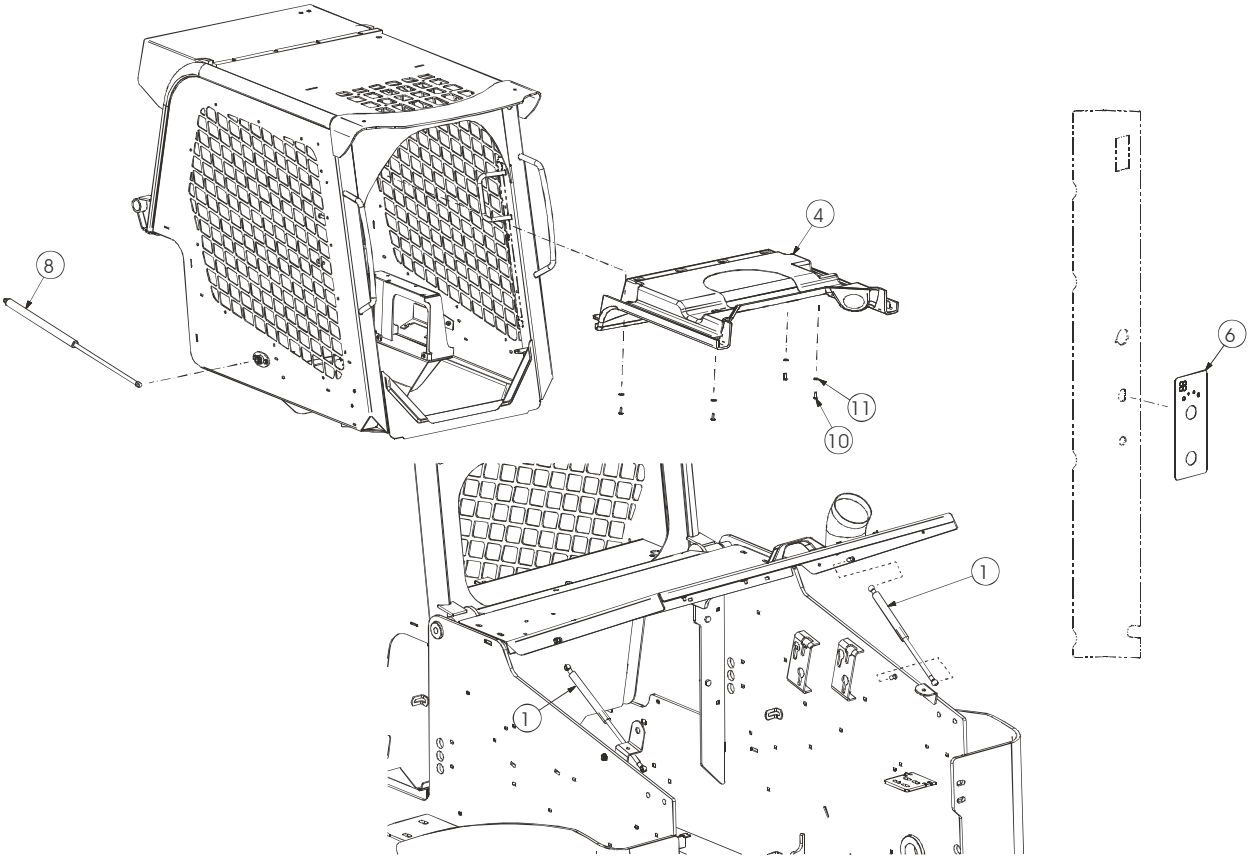
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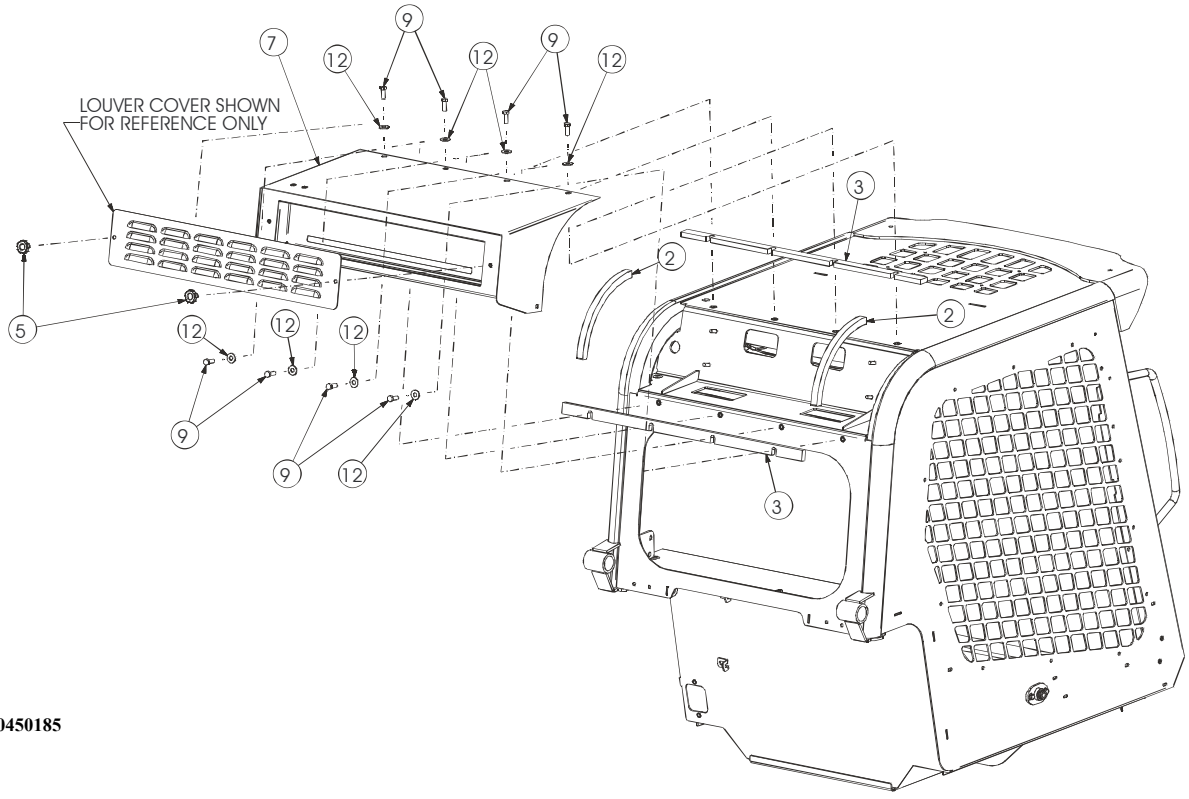
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Ref. No.	Part No.	Description	Non-HVAC Quantity
1	241312	SEAL/FOAM SIDE	2
2	241346	SEAL/FOAM BOTTOM	2
3	242114	HEADLINER/NON A/C	1
4	242776	PLUG/SWITCH	1
5	244492	PLUG/RUBBER 3/8 HOLE	1
6	245211	SPRING/GAS	2
7	50350716	SPRING/GAS 1750N	2
8	50352029	COVER/UPPER ROPS	1
9	50657031	SCREW/CAP 3/8 X 1	8
10	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
11	651807	WASHER/FLAT 1/4	4
12	651363	WASHER/FLAT 3/8	8

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HVAC Completing





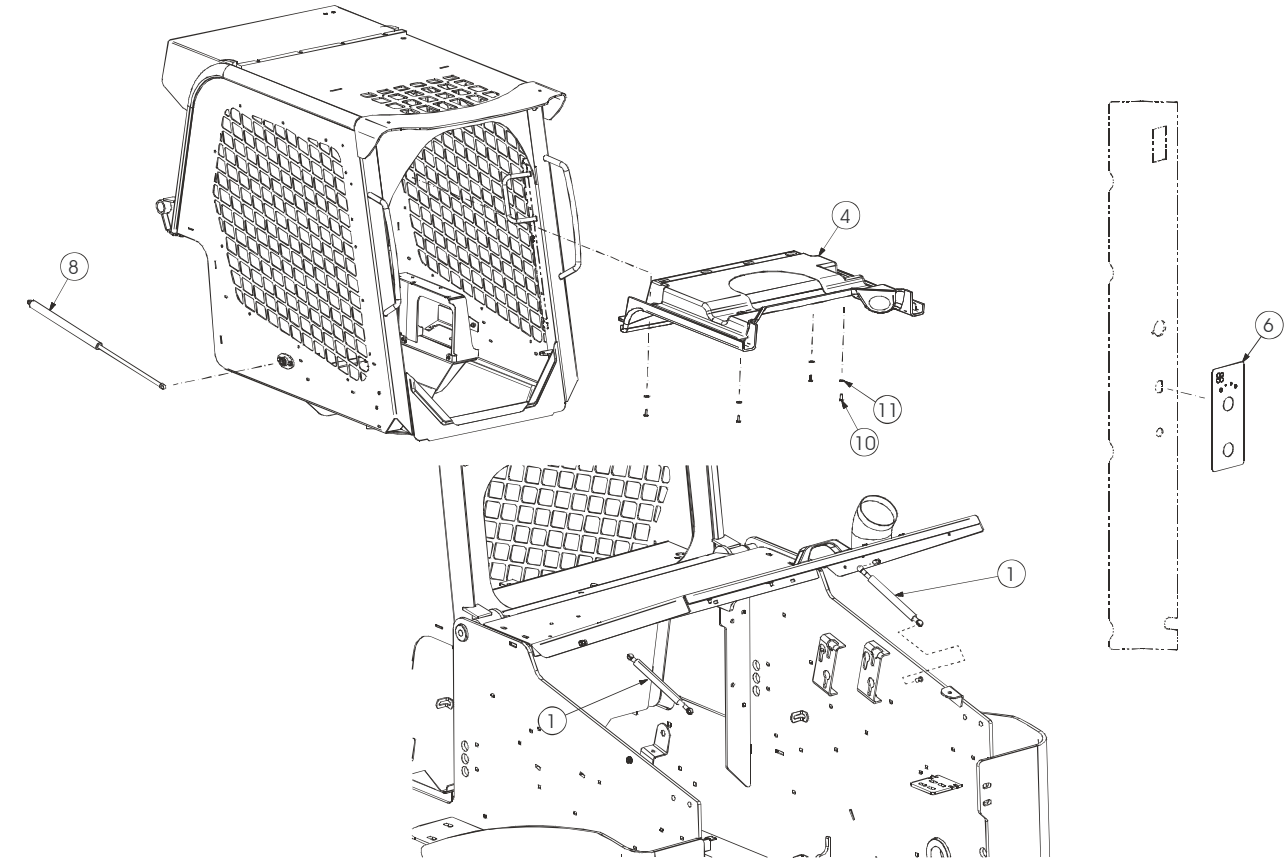
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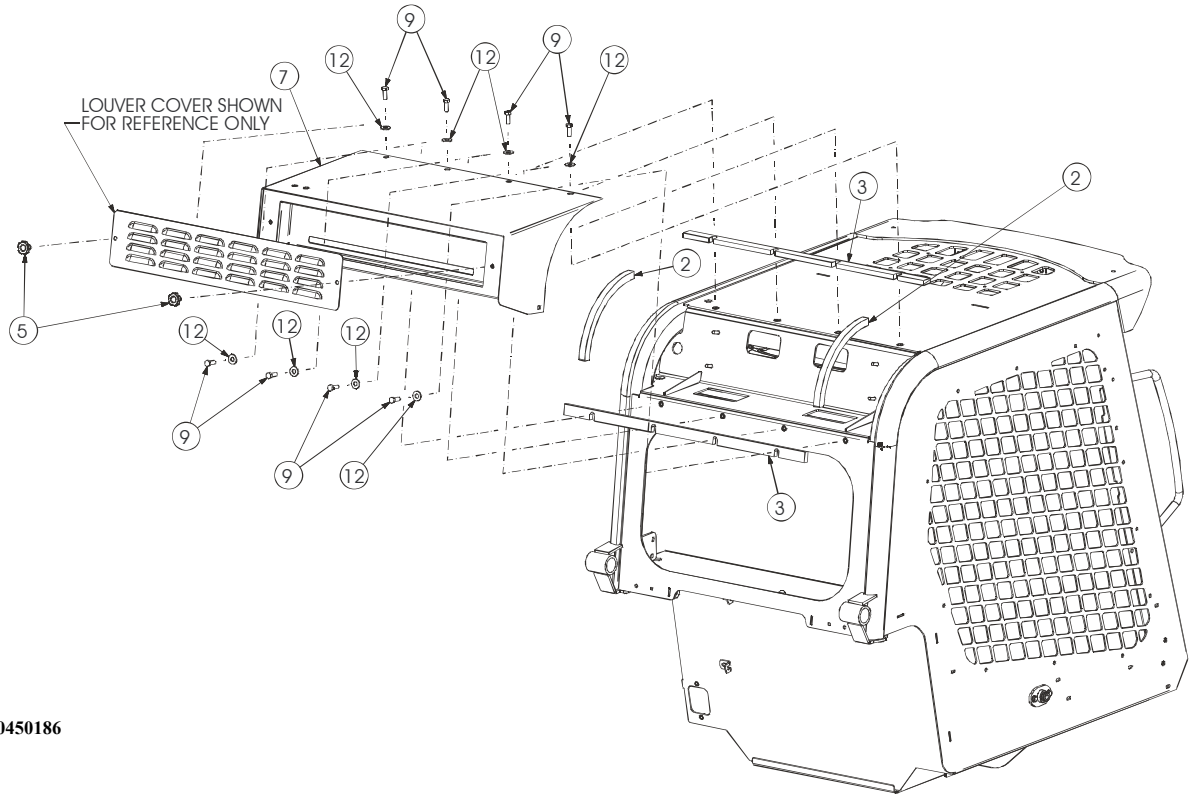
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Ref. No.	Part No.	Description	HVAC Completing Quantity
1	132293	GAS SPRING	2
2	241312	SEAL/FOAM SIDE	2
3	241346	SEAL/FOAM BOTTOM	2
4	241650	HEADLINER/DUCT A/C	1
5	242482	KNOB/CLAMPING .31 STUD	2
6	243973	DECAL/FAN SPEED	1
7	244681	HOUSING/HVAC	1
8	50350388	SPRING/GAS 2050N	2
9	50657031	SCREW/CAP 3/8 X 1	8
10	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
11	651807	WASHER/FLAT 1/4	4
12	651363	WASHER/FLAT 3/8	8

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Heater-Only





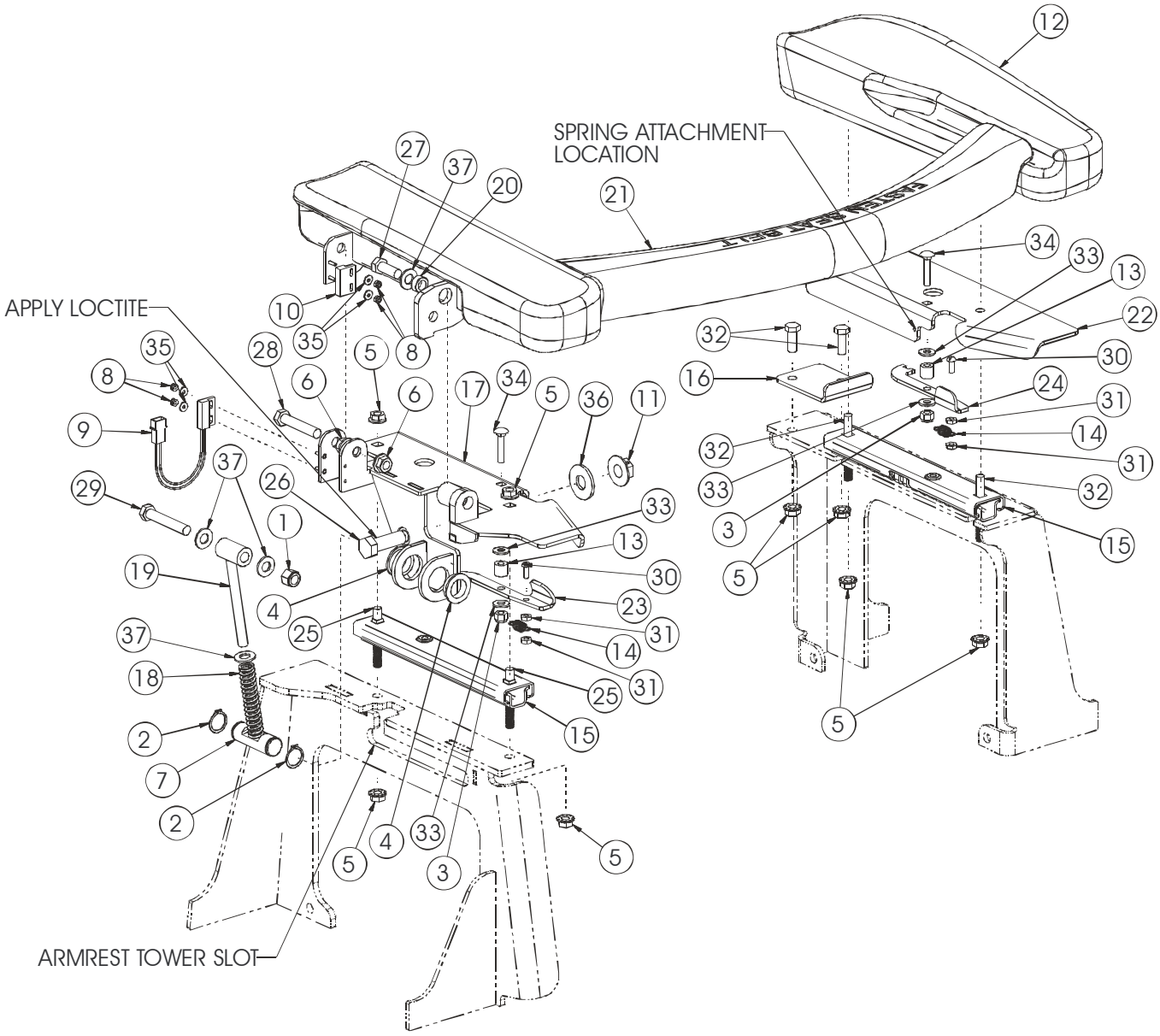
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Ref. No.	Part No.	Description	Heater-Only Quantity
1	245211	SPRING/GAS	2
2	241312	SEAL/FOAM SIDE	2
3	241346	SEAL/FOAM BOTTOM	2
4	241650	HEADLINER/DUCT A/C	1
5	242482	KNOB/CLAMPING .31 STUD	2
6	243973	DECAL/FAN SPEED	1
7	244681	HOUSING/HVAC	1
8	50350388	SPRING/GAS 2050N	2
9	50657031	SCREW/CAP 3/8 X 1	8
10	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
11	651807	WASHER/FLAT 1/4	4
12	651363	WASHER/FLAT 3/8	8

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RESTRAINT BAR



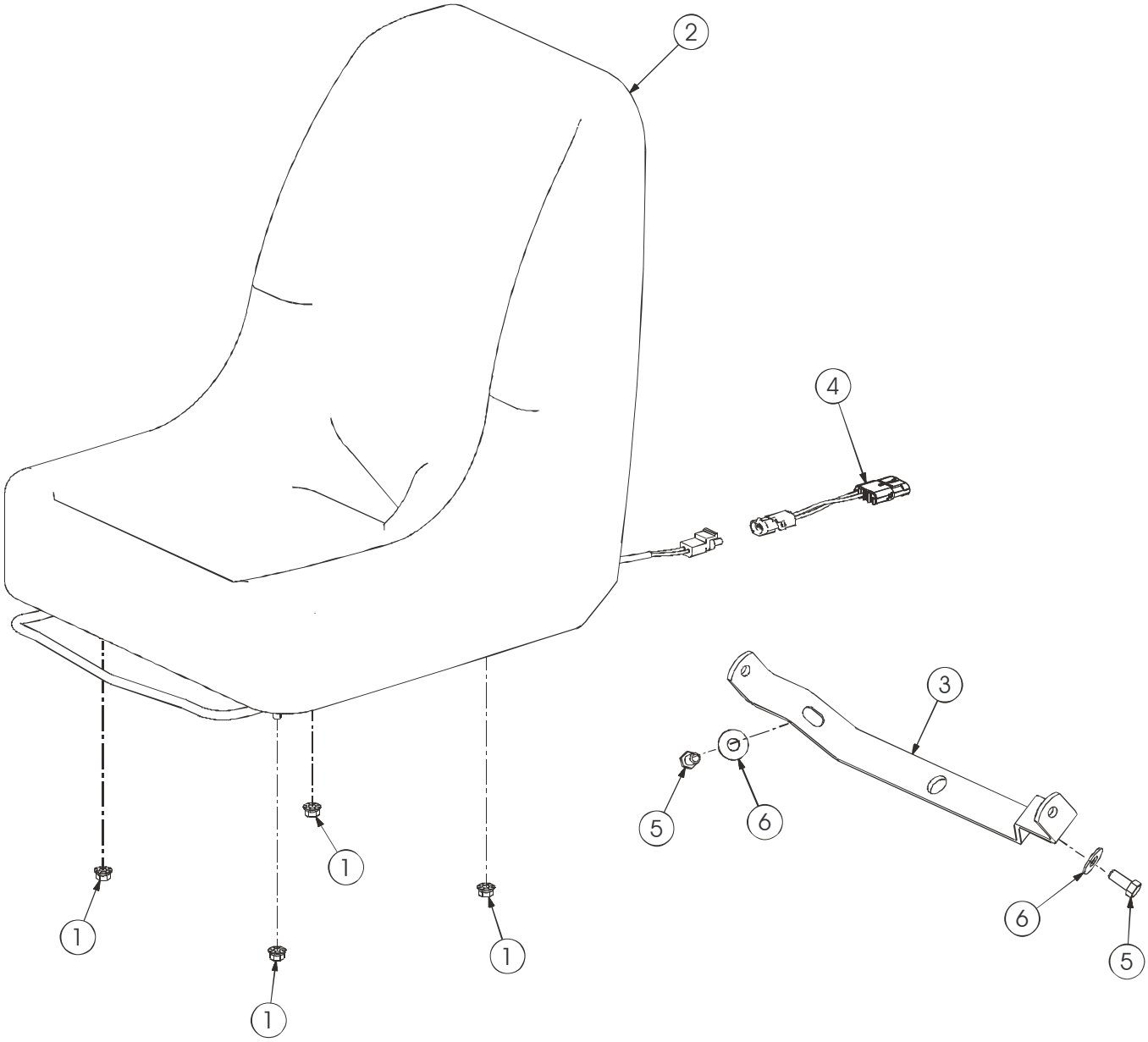
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Ref. No.	Part No.	Description	Quantity
1	067847	NUT/HEX LOCK 3/8	1
2	067950	RING/EXTERNAL RETAINING	2
3	071401	NUT/HEX INST LOCK 1/4	2
4	128316	BEARING/BRONZE	2
5	131842	NUT/SPIRALOCK™ 5/16	8
6	134852	NUT/SPIRALOCK™ 3/8	2
7	137036	PIN/PIVOT GROOVED	1
8	137061	NUT/HEX NYLON INSERT #4	4
9	193156	SWITCH/PROXIMITY	1
10	193157	MAGNET/SWITCH ACTUATOR	1
11	210-19530	NUT/HEX CENTERLOCK 1/2	1
12	241963	ARMREST/LEFT	1
13	242016	TUBE	2
14	242105	SPRING/EXTENSION	2
15	242275	RAIL/ARMREST	2
16	243179	STOP/TRAVEL	1
17	243226	BAR/PIVOT	1
18	243233	SPRING/COMPRESSION 3/8 X 3	1
19	243268	PIVOT ARM/RESTRAINT BAR	1
20	243391	SPACER/PIVOT	1
21	243394	BAR/RESTRAINT	1
22	243726	PLATE/SLIDER TOP LEFT	1
23	243829	LEVER/ADJUSTER RIGHT	1
24	243830	LEVER/ADJUSTER LEFT	1
25	650437	BOLT/CARRIAGE 5/16 X 5/8	2
26	650453	SCREW/CAP 1/2 X 1-1/2	1
27	650490	SCREW/CAP 3/8 X 1	1
28	650528	SCREW/CAP 3/8 X 2	1
29	650535	SCREW/CAP 3/8 X 2-1/4	1
30	650548	SCREW/MACHINE ROUND HEAD #10 X 1/2	2
31	650550	NUT/HEX MACHINE SCREW #10	4
32	650809	SCREW/CAP 5/16 X 7/8	4
33	650863	WASHER/FLAT 1/4	4
34	651094	BOLT/CARRIAGE 1/4 X 1-1/4	2
35	651529	WASHER/FLAT #4	4
36	654009	WASHER/FLAT 1/2	1
37	654049	WASHER/FLAT 3/8	4

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Non-Suspension Seat



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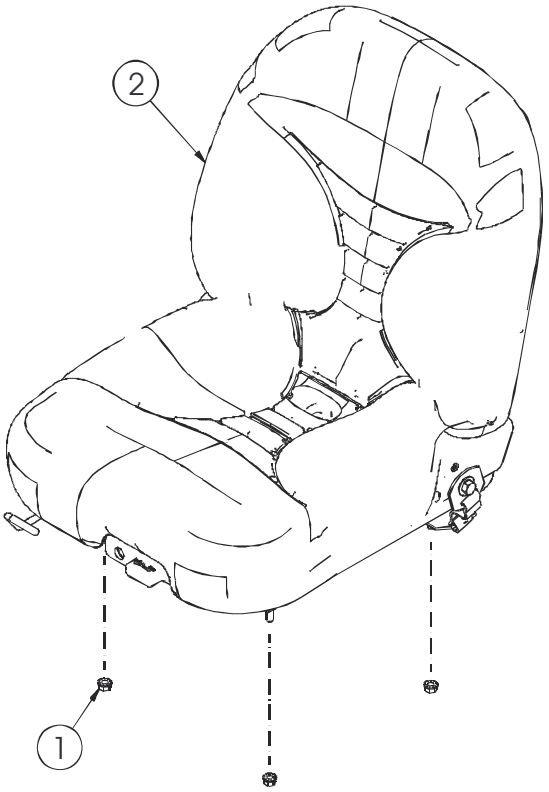
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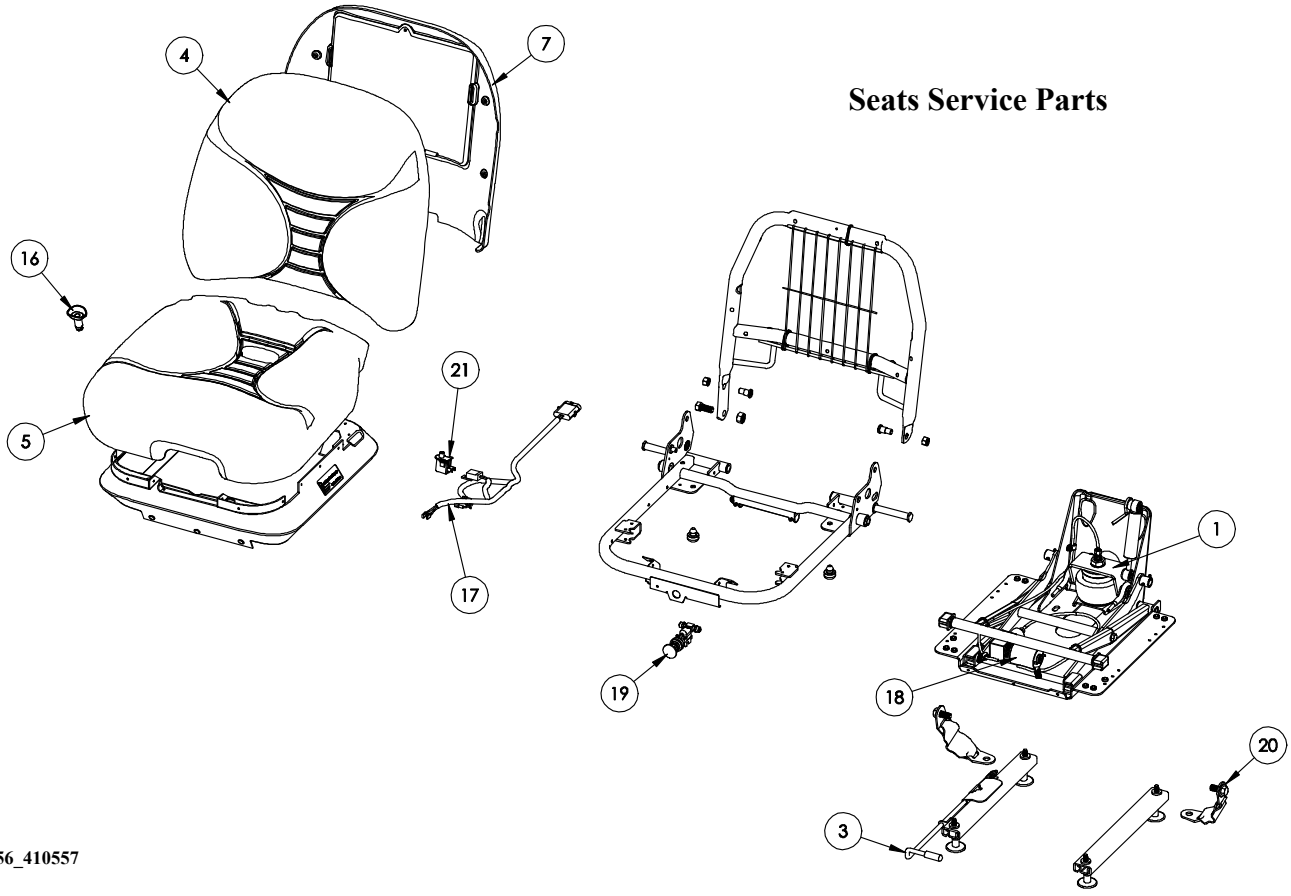
SEATS - STANDARD, NON-SUSPENSION AND SUSPENSION

Ref. No.	Part No.	Description	Non-Suspension Quantity
1	137836	NUT/HEX WLF M8	4
2	184017	SEAT/STANDARD	1
3	50354630	BRACKET/SEAT BELT	1
4	50352750	HARNESS/JUMPER STD SEAT	1
5	650630	SCREW/CAP 7/16 X 1	2
6	654046	WASHER/FLAT 7/16	2

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Standard and Air Suspension Seat





Seats Service Parts

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SEATS - STANDARD, NON-SUSPENSION AND SUSPENSION

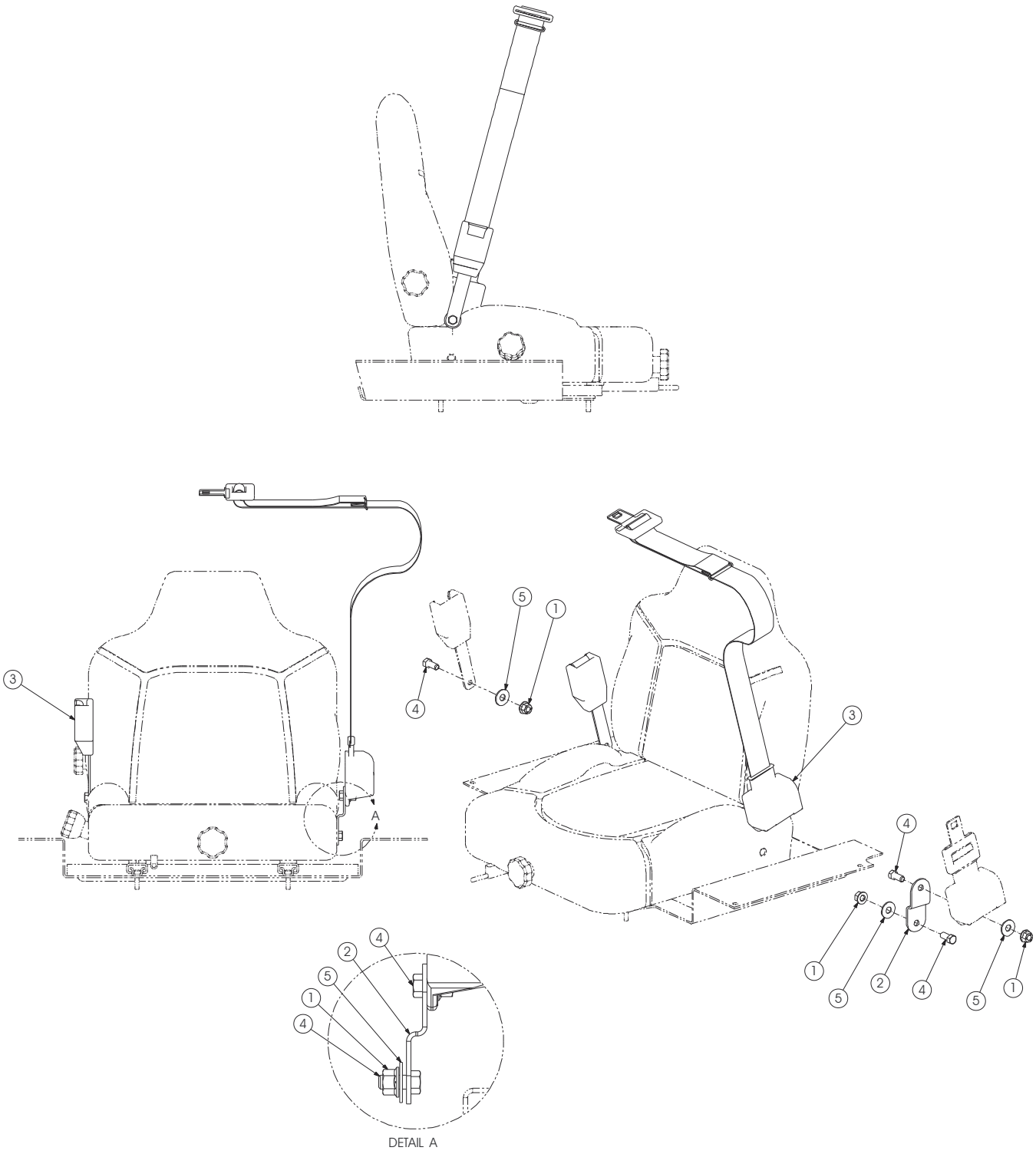
Ref. No.	Part No.	Description	Quantity
1	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	4
2	242514	SEAT/MECHANICAL SUSPENSION (SERVICE PARTS LISTED BELOW)	1
	242629	SEAT/AIR SUSPENSION (SERVICE PARTS LISTED BELOW)	1

Seats Service Parts

Ref. No.	Part No.	Description	Quantity
1	243955	KIT/SPRING AND SADDLE/AIR BAG (AIR SUSPENSION SEAT ONLY)	1
3	243956	KIT/SLIDE	1
4	243958	VINYL KIT/BACK CUSHION	1
5	243959	VINYL KIT/SEAT CUSHION	1
7	243960	KIT/BACK PANEL	1
16	243961	DRAIN/WATER	1
17	243962	WIRE HARNESS/AIR SEAT (AIR SUSPENSION SEAT ONLY)	1
18	243963	KIT/COMPRESSOR (AIR SUSPENSION SEAT ONLY)	1
19	243964	KIT/AIR VALVE (AIR SUSPENSION SEAT ONLY)	1
	50304572	KNOB/MECH SUSP SEAT (MECHANICAL SUSPENSION SEAT ONLY)	1
20	243965	KIT/TETHER	1
21	243966	KIT/SAFETY SWITCH	1

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SEATS - SEAT BELT OPTION



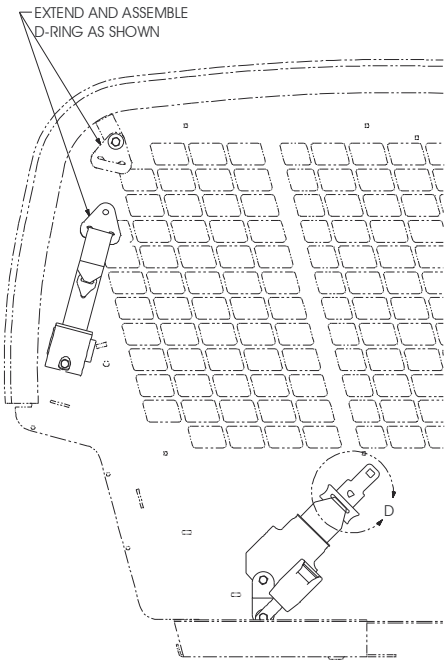
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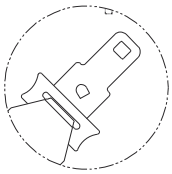
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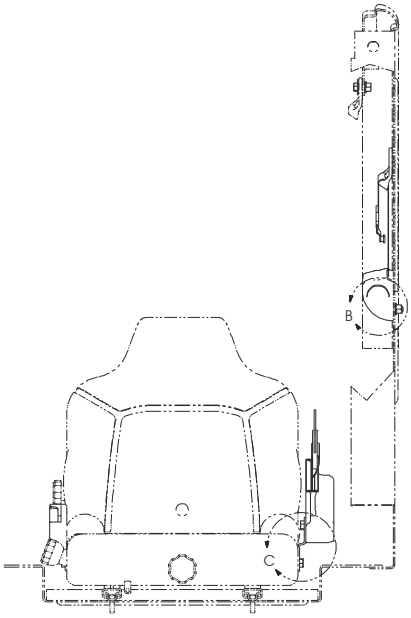
Ref. No.	Part No.	Description	Quantity 2” Seat Belt	Quantity 3” Seat Belt
1	081371	NUT/HEX LOCK 7/16	3	3
2	184007	TAB/RETRACTOR MOUNT	1	1
3	420-36086	ASSY/ SEAT BELT 2.00	1	-
	420-36087	ASSY/SEAT BELT 3.00	-	1
4	650630	SCREW/CAP 7/16 X 1	3	3
5	654046	WASHER/FLAT 7/16	3	3

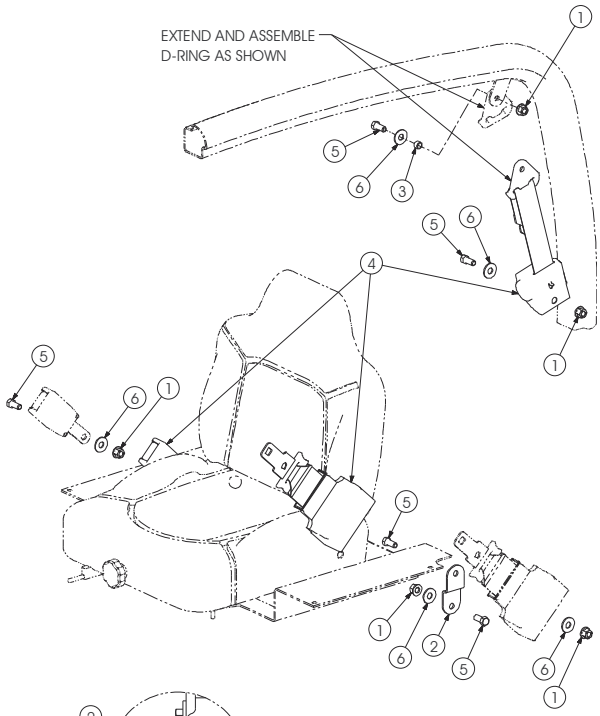
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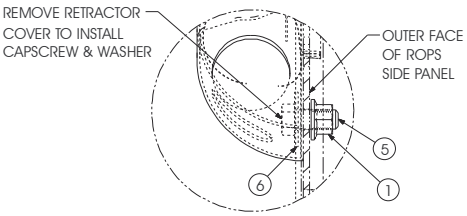
SEATS - THREE-POINT RESTRAINT SEAT BELT OPTION



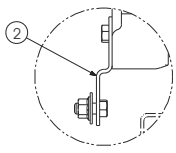

DETAIL D







DETAIL B


DETAIL C

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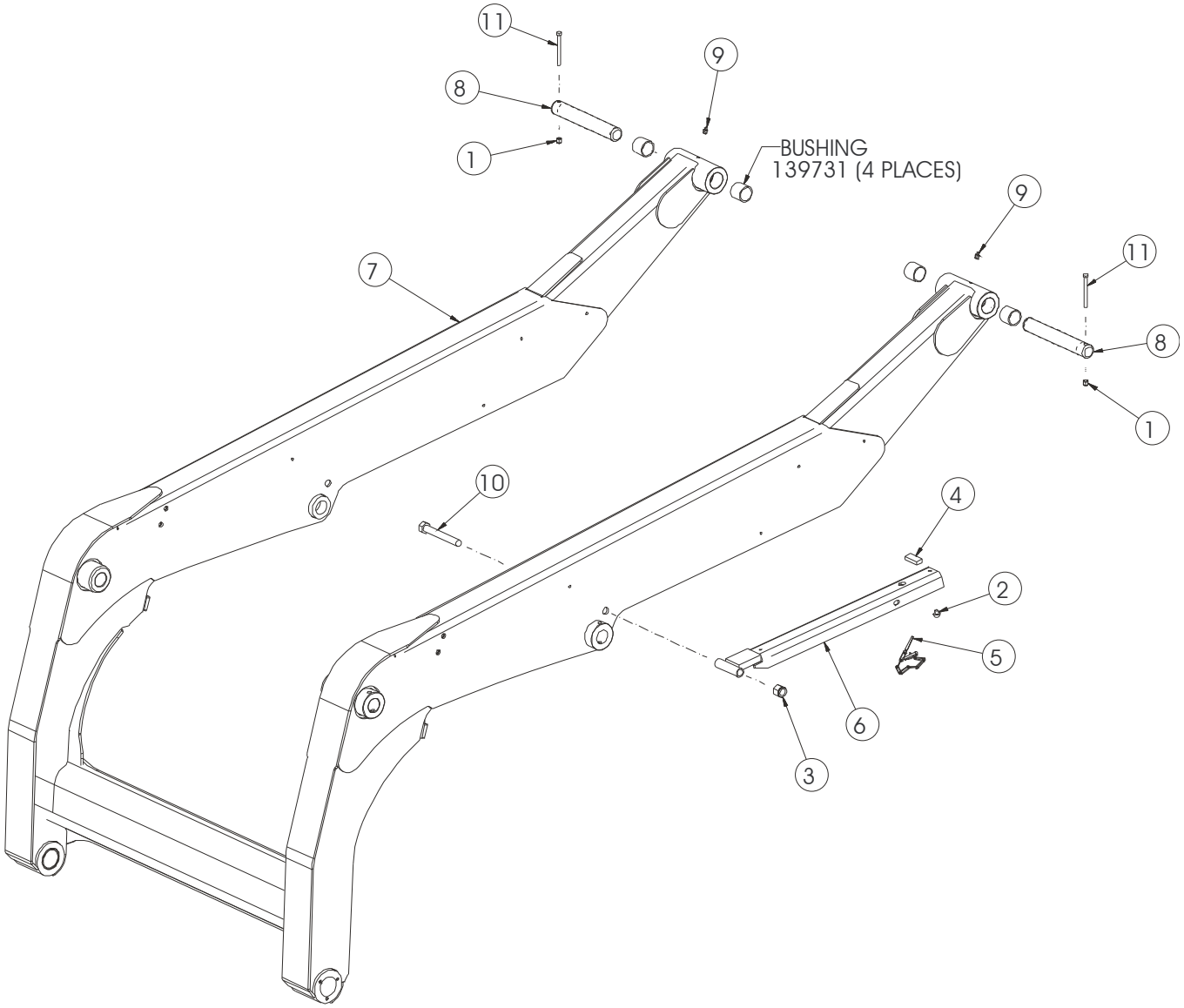
SEATS - THREE-POINT RESTRAINT SEAT BELT OPTION

Ref. No.	Part No.	Description	3-Point Restraint System Quantity 2" Seat Belt	3-Point Restraint System Quantity 3" Seat Belt
1	081371	NUT/HEX LOCK 7/16	5	5
2	184007	TAB/RETRACTOR MOUNT	1	1
3	186834	SPACER	1	1
4	243284 a	RESTRAINT ASSEMBLY/2.00 THREE-POINT	1	-
	243289 a	RESTRAINT ASSEMBLY/3.00 THREE-POINT	-	1
5	650630	SCREW/CAP 7/16 X 1	5	5
6	654046	WASHER/FLAT 7/16	5	5

a) Restraint assemblies includes all associated hardware, except PN 184007.

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LIFT ARM



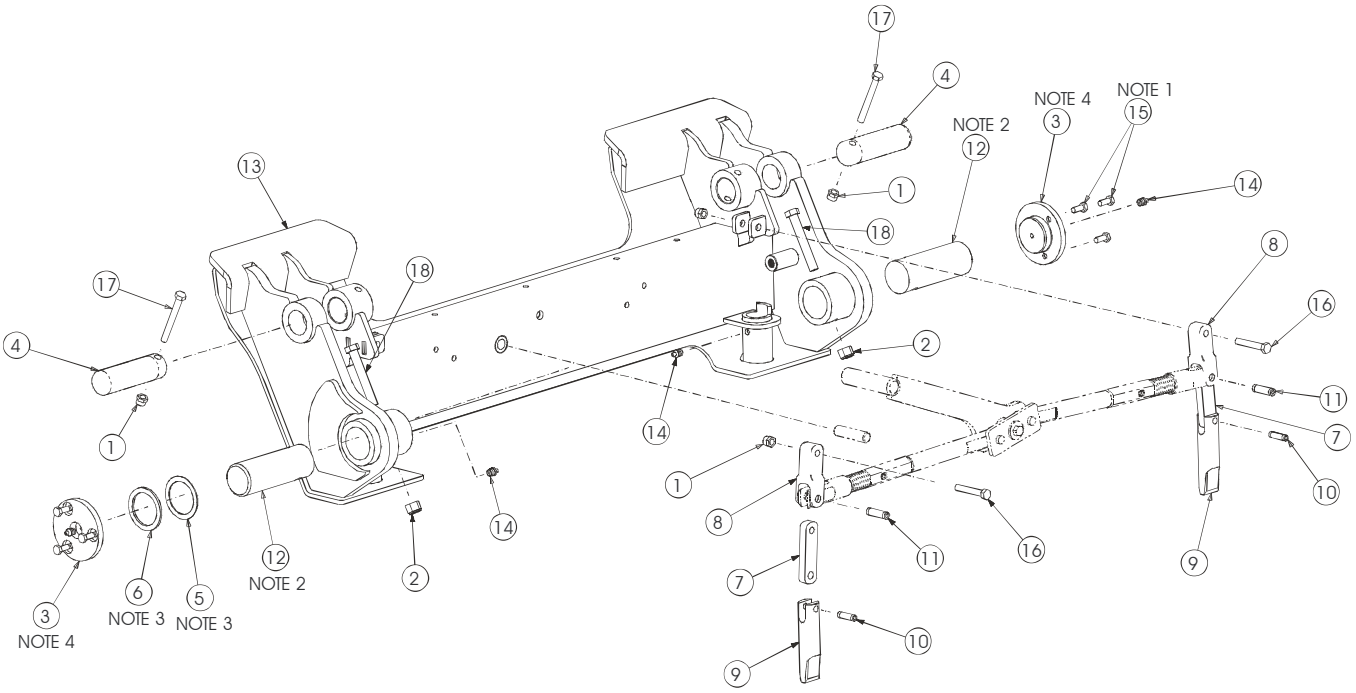
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Ref. No.	Part No.	Description	Quantity
1	067847	NUT/HEX LOCK 3/8	2
2	074860	STEM/RUBBER	1
3	079209	NUT/HEX LOCK 3/4	1
4	087854	PAD/ARM BRACE	1
5	089079	PIN/KLIK	1
6	243045	ARM/SAFETY	1
7	50351422	LIFT ARM	1
	088101	BUSHING/SPRING (AT HITCH ATTACHMENT)	2
	139731	BUSHING 1-1/2 X 1-3/4 (AT REAR LIFT ARM PIVOT)	4
8	50352489	PIVOT PIN	2
9	570002	FITTING/GREASE 1/8	2
10	650483	SCREW/CAP 3/4 X 5-1/2	1
11	650731	SCREW/CAP 3/8 X 3-1/2	2

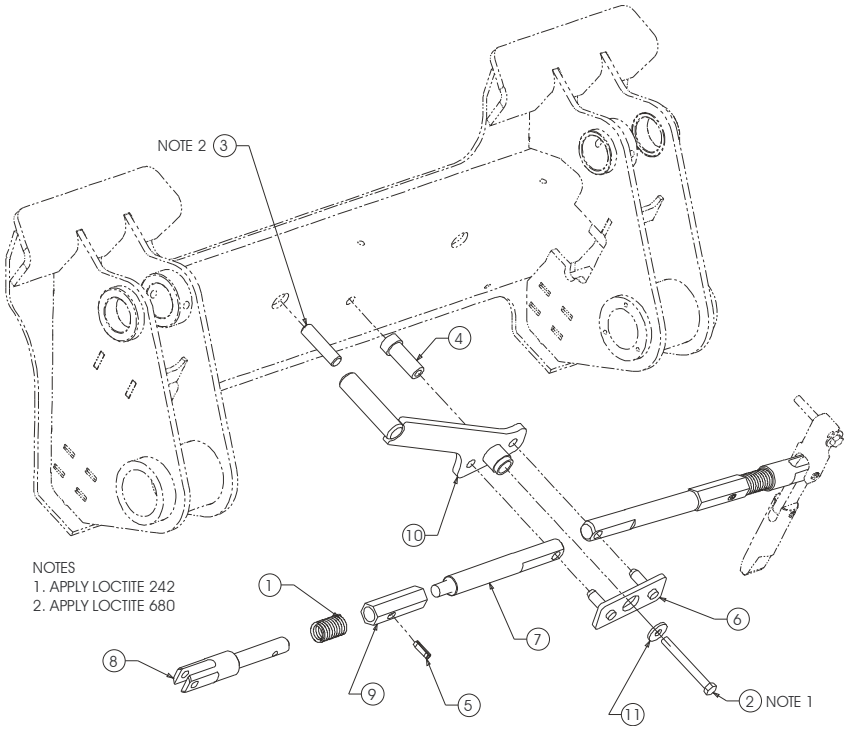
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All-Tach®



NOTES

1. APPLY LOCTITE 242
2. GREASE
3. ADD SHIMS 136765 AND 136766 AS REQUIRED TO ACHIEVE A GAP BETWEEN THE LIFT ARM AND THE ALL-TACH, OF NO GREATER THEN 0.060"
4. APPLY RTV SEALANT



NOTES
1. APPLY LOCTITE 242
2. APPLY LOCTITE 680

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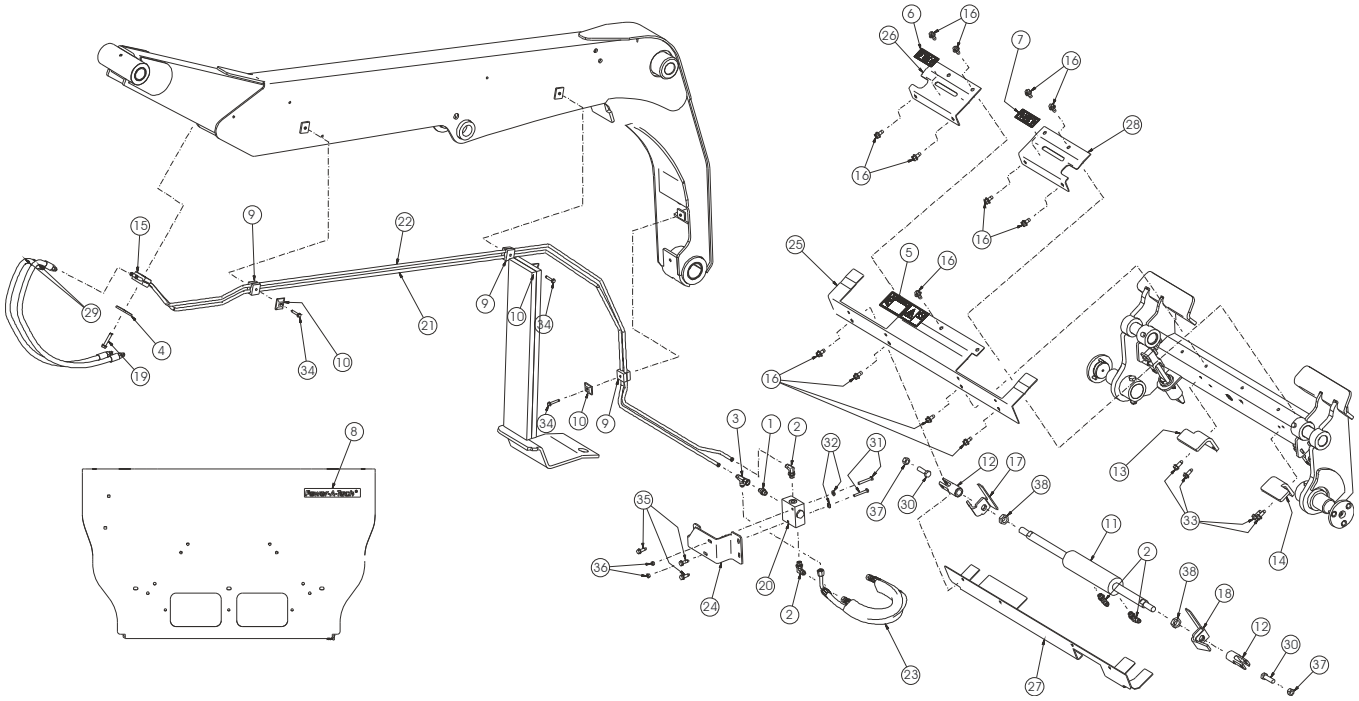
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Ref. No.	Part No.	Description	Quantity
1	067847	NUT/HEX LOCK 3/8	4
2	068034	NUT/HEX LOCK 1/2	2
3	132088	CAP/GREASE	2
4	135300	PIN	2
5	136765	SHIM/2.03 ID .06 THK	1
6	136766	SHIM/2.03 ID .13 THK	1
7	137168	LINK/PIN	2
8	137169	LINK/LATCH	2
9	137170	PIN/LATCH	2
10	137386	PIN/SPRING	2
11	137387	PIN/SPRING	2
12	50351485	PIN/ALLTACH PIVOT	2
13	50352593	ALL-TACH	1
14	570002	FITTING/GREASE 1/8	4
15	650486	SCREW/CAP 5/16 X 3/4	6
16	650535	SCREW/CAP 3/8 X 2-1/4	2
17	650629	SCREW/CAP 3/8 X 3-1/4	2
18	650650	SCREW/CAP 1/2 X 3-1/2	2

Ref. No.	Part No.	Description	Actuator Quantity
1	H8049	SPRING	2
2	651614	SCREW/CAP 3/8 X 3-1/2	1
3	138763	PIN/STOP	1
4	138752	PIVOT/HANDLE	1
5	137385	PIN/SPRING	2
6	137379	PLATE/PIN	1
7	137167	LINK/ADJUSTABLE END	2
8	137164	LINK/SPRING SLIDE	2
9	137158	LINK/SPRING STOP	2
10	137147	HANDLE	1
11	088912	WASHER/FLAT 13/32	1

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Power-A-Tach® Hitch

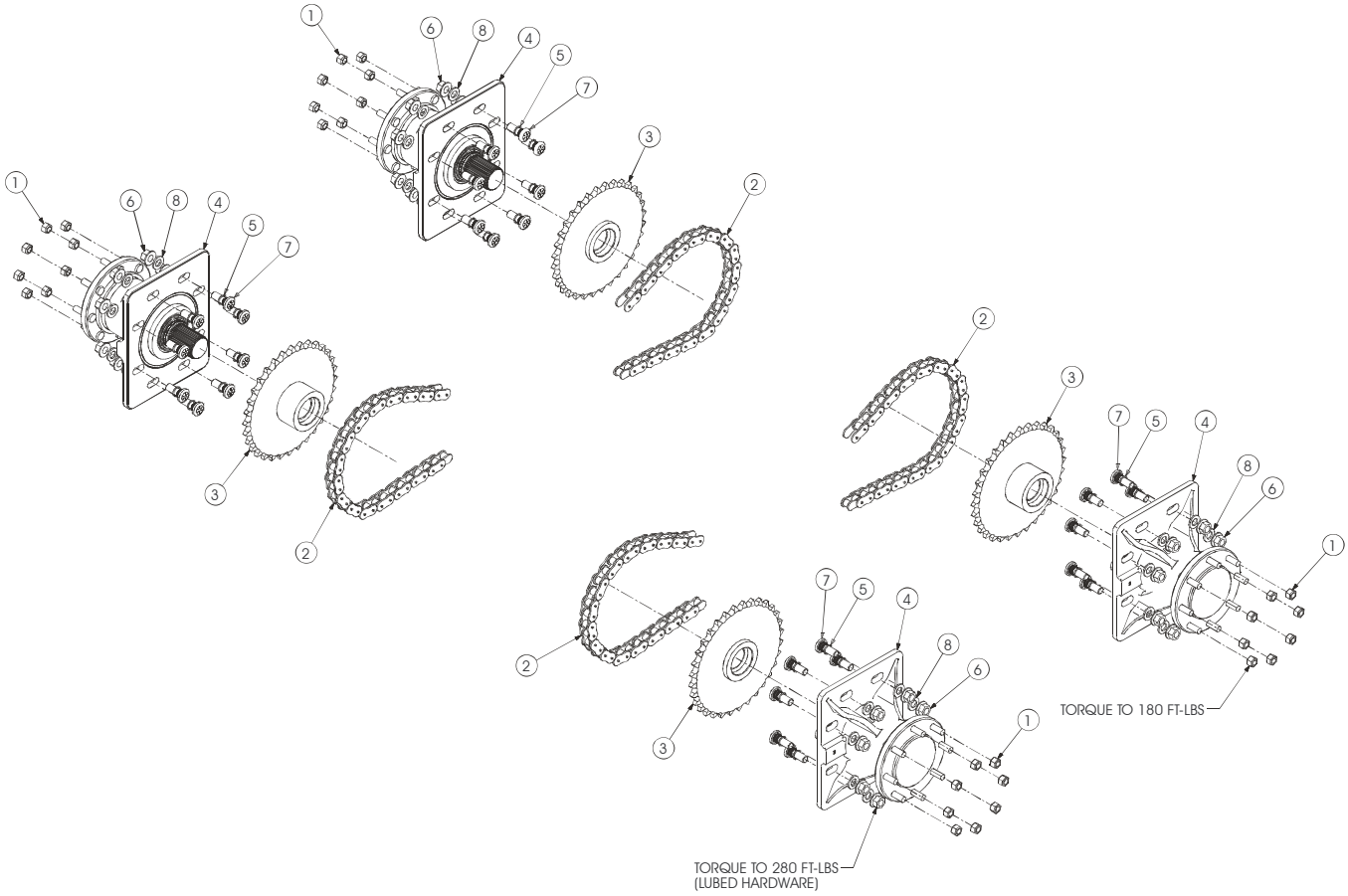


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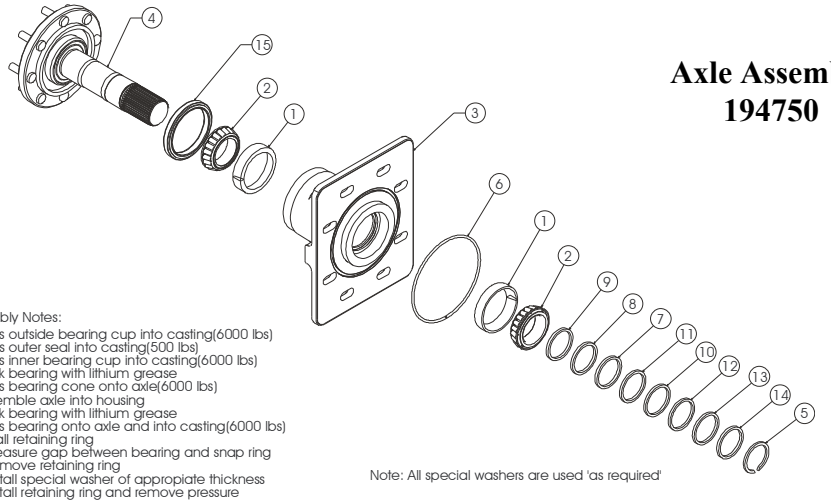
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Ref. No.	Part No.	Description	P-A-T Quantity
1	054994	FITTING/STRAIGHT MJ06-MORB06	1
2	068938	FITTING/90° MJ06-MAORB06	4
3	072806	FITTING/TEE MJ06-FJS06-MJ06	1
4	079098	PLATE/TOP SIZE 2 TWIN FLAT	1
5	50354117	DECAL-POWER-A-TACH	1
6	139107	DECAL-LATCHING (LEFT)	1
7	139109	DECAL-LATCHING (RIGHT)	1
8	184357	DECAL/POWER-A-TACH	1
9	194309	CLAMP/TUBE 3/8 TWIN	3
10	194380	PLATE/TOP SIZE 1 TWIN	3
11	241701	CYLINDER/HYD POWER F-A-T	1
	50250305	KIT/SEAL	1
12	241711	LINK/SPRING SLIDE	2
13	243409	BRACKET/STOP	1
14	243415	BRACKET/STOP	1
15	245180	CLAMP/TUBE 3/8 TWIN	1
16	310-32411	SCREW/SELF-TAPPING 38 X 3/4	13
17	50350107	FLAG/LEFT	1
18	50350108	FLAG/RIGHT	1
19	50351222	SCREW/TAPPING HEX WASHER HEAD THREAD FORMING 5/16 X 1-3/4	1
20	50351569	VALVE/POWER-A-TACH	1
21	50351581	TUBE/ALLTACH/POWER	1
22	50351582	TUBE/ALLTACH/POWER	1
23	50351597	ASSY/HOSE/SLEEVE (SERVICE PARTS INDENTED BELOW)	1
	50351825	HOSE/HYD -06 X 31	1
	50351826	SLEEVE/PROTECTIVE	1
	50354063	HOSE/HYD -06 X 50-1/2	1
24	50351812	BRACKET/POWER-A-TACH	1
25	50352699	COVER/CYLINDER/UPPER	1
26	50352702	COVER/FLAG/CLEANOUT/LEFT	1
27	50352704	COVER/CYLINDER/LOWER	1
28	50352705	COVER/FLAG/CLEANOUT/RIGHT	1
29	50352950	HOSE/PRESSURE 3/8 X 46	2
30	650569	SCREW/CAP 1/2 X 1-3/4	2
31	650706	SCREW/CAP 1/4 X 2	2
32	650863	WASHER/FLAT 1/4	2
33	650934	SCREW/TAPPING HEX WASHER HEAD THREAD CUTTING 3/8 X 1	4
34	650959	SCREW/TAPPING HEX WASHER HEAD THREAD CUTTING 1/4 X 1-1/2	3
35	650973	SCREW/TAPPING HEX WASHER HEAD THREAD CUTTING 5/16 X 1	3
36	653005	NUT/HEX 1/4	2
37	653018	NUT/HEX 1/2	2
38	653053	NUT/HEX JAM 3/4	2

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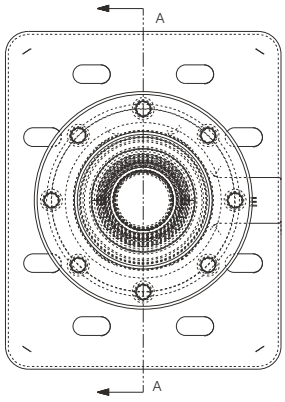


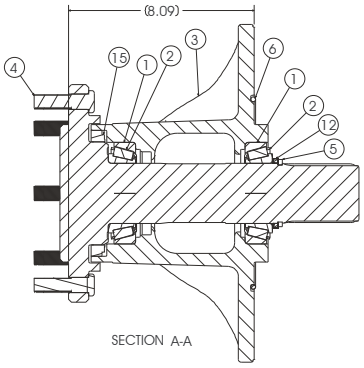
Axle Assembly
194750



Assembly Notes:
1) Press outside bearing cup into casting(6000 lbs)
2) Press outer seal into casting(500 lbs)
3) Press inner bearing cup into casting(6000 lbs)
4) Pack bearing with lithium grease
5) Press bearing cone onto axle(6000 lbs)
6) Assemble axle into housing
7) Pack bearing with lithium grease
8) Press bearing onto axle and into casting(6000 lbs)
9) Install retaining ring
10) Measure gap between bearing and snap ring
11) Remove retaining ring
12) Install special washer of appropiate thickness
13) Install retaining ring and remove pressure

Note: All special washers are used 'as required'





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Ref. No.	Part No.	Description	Quantity
1	079152	NUT/HEX LUG 5/8	32
2	131606	CHAIN #100 X 58	4
	082489	LINK/PLAIN CONNECTING	2
3	138298	ASSY/SPROCKET 100-32	4
4	194750	AXLE ASSY	4
	137915	BOLT/WHEEL 5/8 X 2-3/8	32
5	50300766	O-RING 118 N70	32
6	50300777	NUT/HEX TOP LOCK 3/4	32
7	50351821	BOLT/AXLE	32
8	651564	WASHER/FLAT HARDENED 3/4	32

Ref. No.	Part No.	Description	Quantity 194750 Axle Assy
1	010-28854	CUP/BEARING	2
2	010-32401	CONE/BEARING	2
3	138759	HOUSING/AXLE	1
4	320-32692	ASSEMBLY/AXLE & BOLT	1
5	350-32539	RETAINING RING/EXTERNAL	1
6	350-32542	O-RING 369 N70	1
7	400-32513	WASHER/SPECIAL .254	1
8	400-32514	WASHER/SPECIAL .250	1
9	400-32515	WASHER/SPECIAL .246	1
10	400-32521	WASHER/SPECIAL .234	1
11	400-32522	WASHER/SPECIAL .230	1
12	400-32523	WASHER/SPECIAL .226	1
13	400-32555	WASHER/SPECIAL .238	1
14	400-32556	WASHER/SPECIAL .242	1
15	50351807	SEAL/AXLE	1

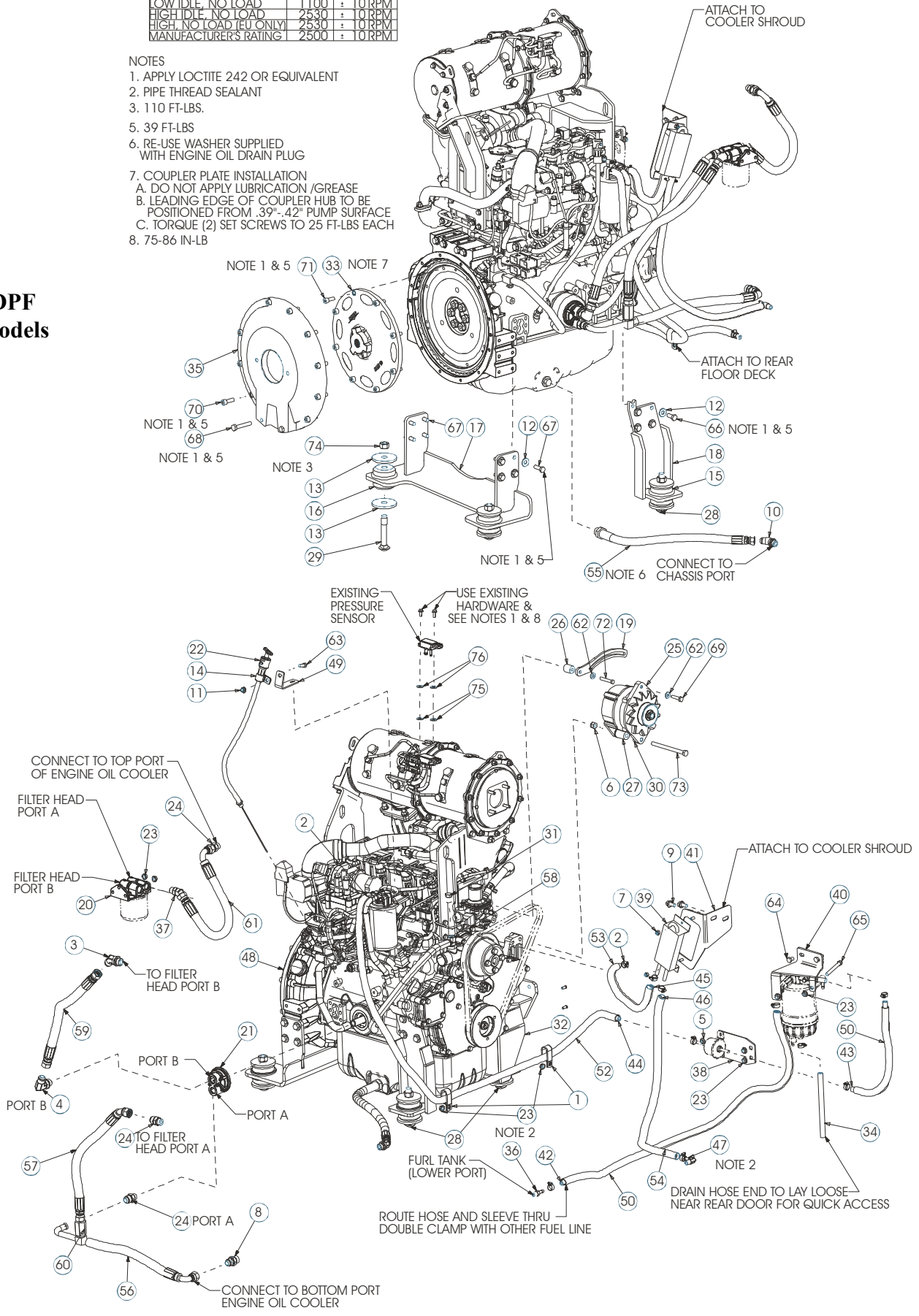
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DPF Models

GOVERNED ENGINE SPEED SPECIFICATIONS

SPEED SETTING	RPM	TOLERANCE
LOW IDLE, NO LOAD	1100	± 10 RPM
HIGH IDLE, NO LOAD	2530	± 10 RPM
HIGH, NO LOAD (EU ONLY)	2530	± 10 RPM
MANUFACTURER'S RATING	2500	± 10 RPM

NOTES
1. APPLY LOCTITE 242 OR EQUIVALENT
2. PIPE THREAD SEALANT
3. 110 FT-LBS.
5. 39 FT-LBS
6. RE-USE WASHER SUPPLIED WITH ENGINE OIL DRAIN PLUG
7. COUPLER PLATE INSTALLATION
   A. DO NOT APPLY LUBRICATION /GREASE
   B. LEADING EDGE OF COUPLER HUB TO BE POSITIONED FROM .39"-.42" PUMP SURFACE
   C. TORQUE (2) SET SCREWS TO 25 FT-LBS EACH
8. 75-86 IN-LB



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Ref. No.	Part No.	Description	DPF Models Quantity
1	055021	CLAMP/HOSE 3/4 X 13/32 HOLE	2
2	062023	CLAMP/HOSE #05	11
3	062397	FITTING/45° MJ10-MAORB10	1
4	067761	FITTING/90° M0J10-MAORB10	1
5	070634	NUT/LOCK LARGE FLANGE SERRATED 1/4	2
6	071246	NUT/LOCK M10	1
7	071401	NUT/HEX INST LOCK 1/4	2
8	072580	FITTING/STRAIGHT MJ10-MORB10	1
9	076588	SCREW/CAP HEX FLANGE LOCKING 3/8 X 3/4	2
10	076880	FITTING/45° MJ08-MAORB08	1
11	131842	NUT/SPIRALOCK™ 5/16	1
12	132707	WASHER/HARD 3/8 PLAIN	16
13	135427	WASHER/SNUBBING	8
14	136226	CLAMP/HOSE 3/4 X 13/32 HOLE	1
15	137063	ISOLATOR	2
16	189640	ISOLATOR	2
17	193105	ASSEMBLY/ENGINE MOUNT (FW END)	1
18	193131	ENGINE MOUNT/LEFT	1
19	193569	BRACKET/ALTERNATOR	1
20	193971	MOUNT/FILTER	1
21	194068	ADAPTER/FILTER	1
22	195221	ASSY/DIPSTICK	1
23	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	6
24	230-30569	FITTING/STRAIGHT MJ10-MORB08	3
25	241459	ALTERNATOR/ISKRA 100 A	1
26	241562	SPACER/ALTERNATOR	1
27	241563	SPACER/ALTERNATOR	1
28	241590	BOLT/CARRIAGE 5/8 X 4-1/2	2
29	241605	BOLT/CARRIAGE 5/8 X 4	2
30	241932	SPACER/ALTERNATOR	1
31	242390	PLUG MBSPT06	1
32	242959	MOUNT/ENGINE	1
33	244365	COUPLER/FLEX	1
34	244955	HOSE/FUEL 5/16 X 8	1
35	245012	HOUSING/FLYWHEEL	1
36	50301450	FITTING/STRAIGHT HB05-MP04 SS	1
37	50301805	FITTING/45° MJ10-MAORB08	1
38	50350923	PLATE ASSY/FUEL PUMP	1
39	50351523	COOLER/FUEL	1
40	50304477	BRACKET FUEL/WATER SEPARATOR	1

Parts Listing Continued On Next Page

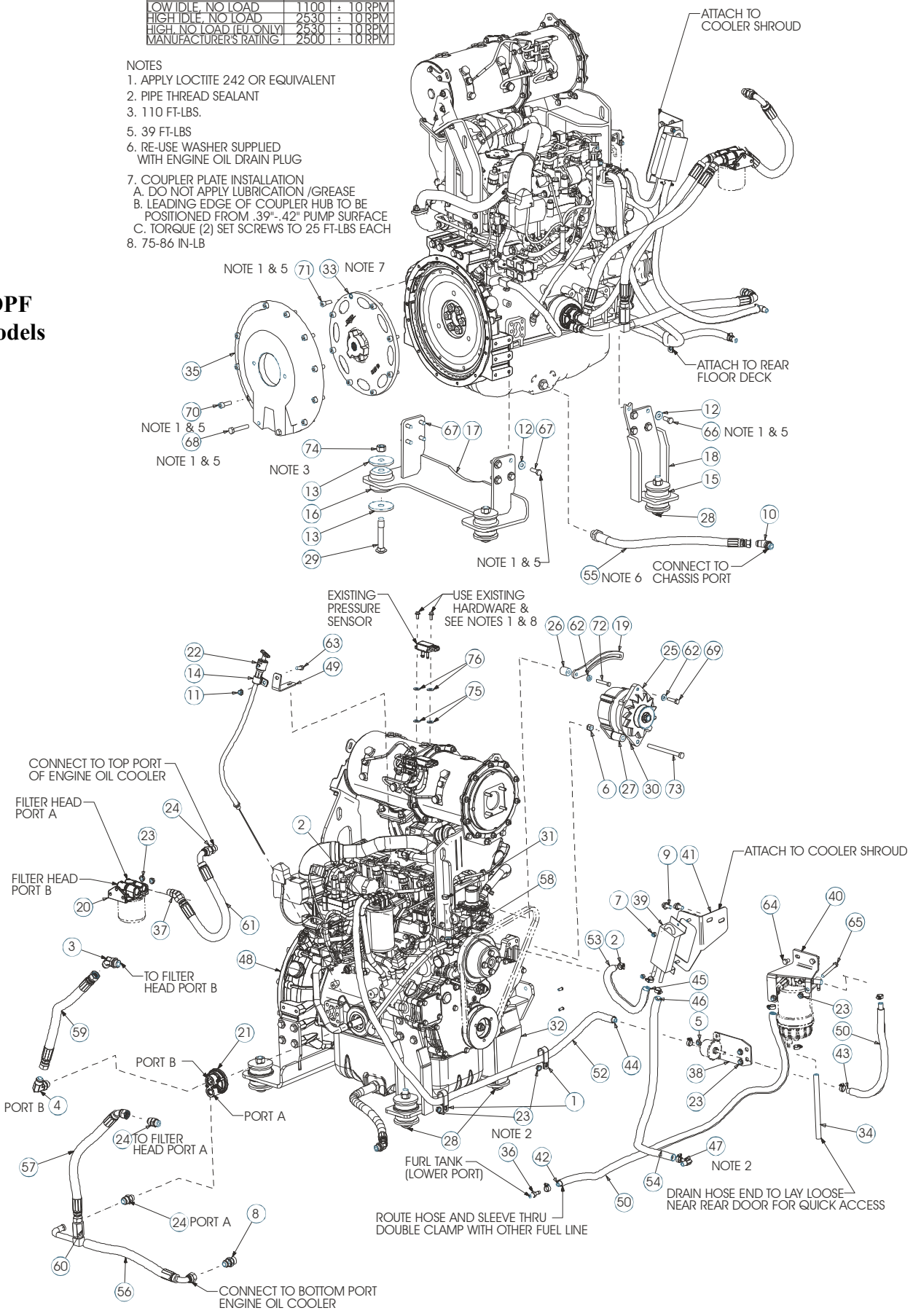
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DPF Models

GOVERNED ENGINE SPEED SPECIFICATIONS

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HIGH IDLE, NO LOAD	2530	± 10 RPM
HIGH, NO LOAD (EU ONLY)	2530	± 10 RPM
MANUFACTURER'S RATING	2500	± 10 RPM

NOTES
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7. COUPLER PLATE INSTALLATION
   A. DO NOT APPLY LUBRICATION /GREASE
   B. LEADING EDGE OF COUPLER HUB TO BE POSITIONED FROM .39"-.42" PUMP SURFACE
   C. TORQUE (2) SET SCREWS TO 25 FT-LBS EACH
8. 75-86 IN-LB



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continued from previous page

Ref. No.	Part No.	Description	DPF Models Quantity
41	50351960	BRACKET ASSY/FUEL COOLER	1
42	50352003	LINE/FUEL 5/16 X 56-1/2	1
43	50352007	HOSE/FUEL 5/16 X 16-1/2	1
44	50352009	HOSE/FUEL 5/16 X 60	1
45	50352010	HOSE/FUEL 5/16 X 12	1
46	50352011	HOSE/FUEL 5/16 X 26	1
47	50352017	FITTING/90° HB05-MP04 SS	1
48	50352133	ENG/054KW/YAN/4TNV98CT-NMS/T4	1
49	50352467	BRACKET/ENGINE OIL DIPSTICK	1
50	50352483	SLEEVE/NYLON HG10 X 53	1
51	50352484	SLEEVE/NYLON HG10 X 14	1
52	50352485	SLEEVE/NYLON HG10 X 58	1
53	50352486	SLEEVE/NYLON HG10 X 10	1
54	50352487	SLEEVE/NYLON HG10 X 24	1
55	50352779	HOSE ASSY/OIL DRAIN	1
56	50352833	TUBE/HOSE EOC RETURN	1
57	50352985	HOSE 5/8 X 22	1
58	50353001	FITTING/HB-FB-MB	1
59	50353014	HOSE 5/8 X 26	1
60	50353078	INLINE CHECK VALVE -10	1
61	50353495	HOSE 5/8 X 16-1/2	1
62	612604	WASHER/FLAT M8	2
63	650486	SCREW/CAP 5/16 X 3/4	1
64	650557	SCREWCAP 3/8 X 1/2	2
65	650732	SCREW/CAP 5/16 X 3-3/4	2
66	651394	SCREW/CAP M10 X 25 MM	8
67	651395	SCREW/CAP M10 X 30 MM	8
68	651773	SCREW/CAP M10 X 60 MM	2
69	656002	SCREW/CAP M8 X 35 MM	1
70	656045	SCREW/CAP SOCKET HEAD M10 X 30 MM	9
71	656141	SCREW/CAP SOCKET HEAD M10 X 25 MM	8
72	656154	SCREW/CAP M8 X 45 MM	1
73	656173	SCREW/CAP M10 X 130 MM	1
74	L50081	NUT/HEX 5/8	4
75	184688	WASHER/FIBERGLASS	2
76	650863	WASHER/FLAT 1/4	2

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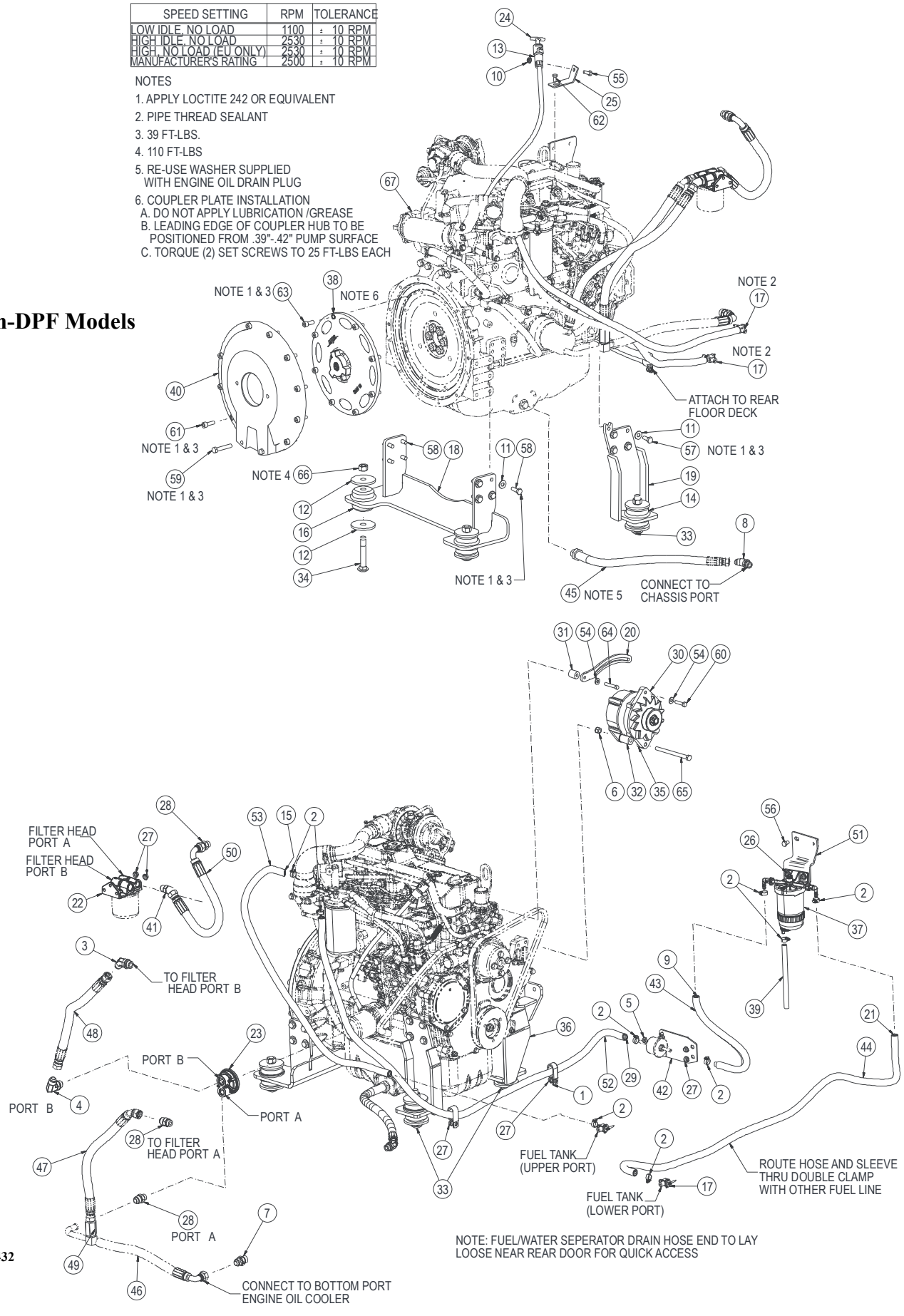
Non-DPF Models

GOVERNED ENGINE SPEED SPECIFICATIONS

SPEED SETTING	RPM	TOLERANCE
LOW IDLE, NO LOAD	1100	± 10 RPM
HIGH IDLE, NO LOAD	2530	± 10 RPM
HIGH, NO LOAD (EU ONLY)	2530	± 10 RPM
MANUFACTURER'S RATING	2500	± 10 RPM

NOTES

1. APPLY LOCTITE 242 OR EQUIVALENT
2. PIPE THREAD SEALANT
3. 39 FT-LBS.
4. 110 FT-LBS
5. RE-USE WASHER SUPPLIED WITH ENGINE OIL DRAIN PLUG
6. COUPLER PLATE INSTALLATION
   A. DO NOT APPLY LUBRICATION /GREASE
   B. LEADING EDGE OF COUPLER HUB TO BE POSITIONED FROM .39"-.42" PUMP SURFACE
   C. TORQUE (2) SET SCREWS TO 25 FT-LBS EACH



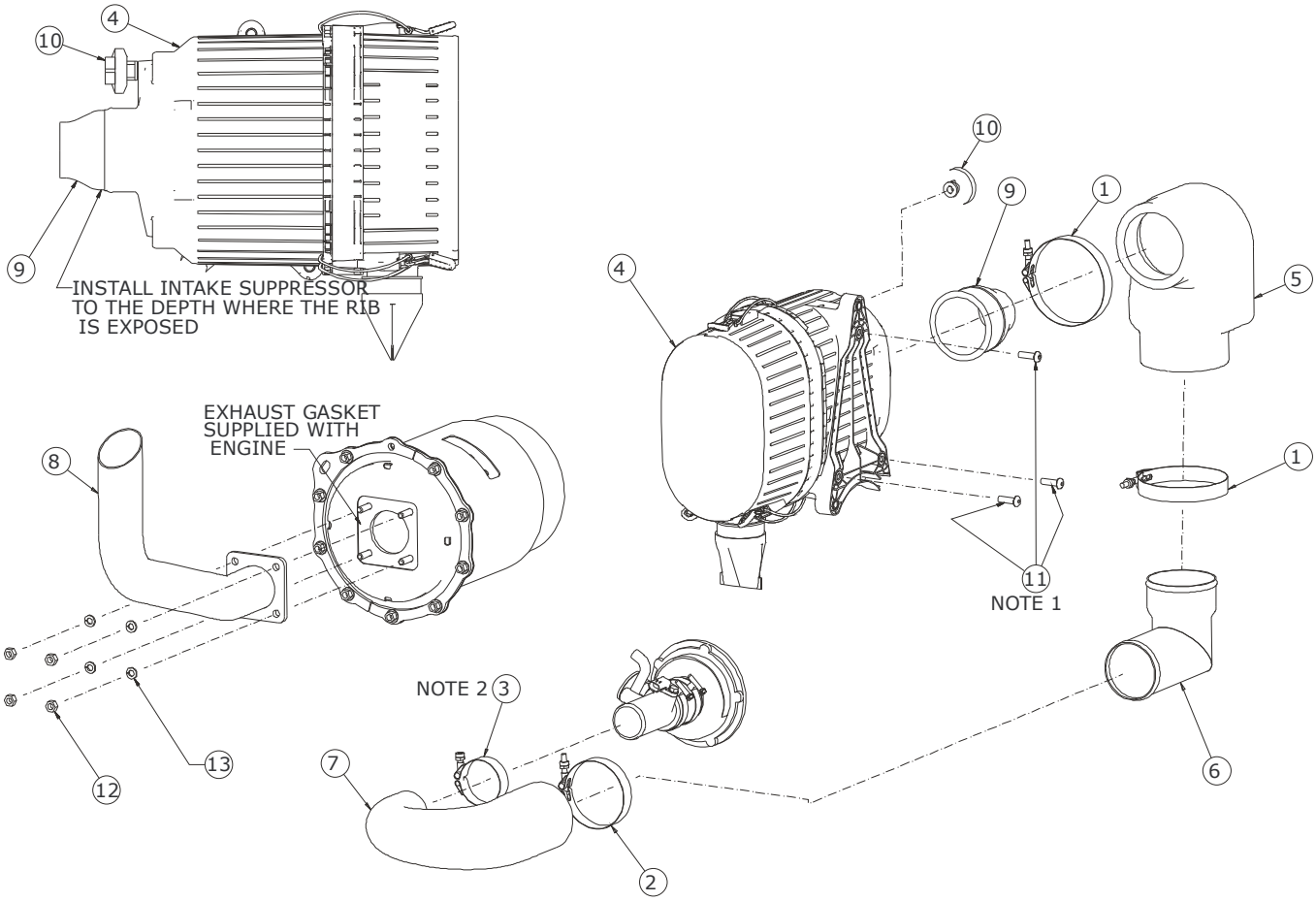
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Ref. No.	Part No.	Description	Non-DPF Models Quantity
1	055021	CLAMP/HOSE 3/4 X 13/32 HOLE	2
2	062023	CLAMP/HOSE #05	9
3	062397	FITTING/45° MJ10-MAORB10	1
4	067761	FITTING/90° MJ10-MAORB10	1
5	070634	NUT/LOCK LARGE FLANGE SERRATED 1/4	2
6	071246	NUT/LOCK M10	1
7	072580	FITTING/STRAIGHT MJ10-MORB10	2
8	076880	FITTING/45° MJ08-MAORB08	1
9	081841	HOSE/FUEL 5/16 X 16	1
10	131842	NUT/SPIRALOCK™ 5/16	1
11	132707	WASHER/HARD 3/8 PLAIN	16
12	135427	WASHER/SNUBBING	8
13	136226	CLAMP/HOSE 3/4 X 13/32 HOLE	1
14	137063	ISOLATOR	2
15	184941	HOSE/FUEL 42.00	1
16	189640	ISOLATOR	2
17	191735	VALVE/FUEL SHUT-OFF 90°	2
18	193105	ASSEMBLY/ENGINE MOUNT (FW END)	1
19	193131	ENGINE MOUNT/LEFT	1
20	193569	BRACKET/ALTERNATOR	1
21	193622	HOSE/FUEL 5/16 X 60	1
22	193971	MOUNT/FILTER	1
23	194068	ADAPTER/FILTER	1
24	195221	ASSY/DIPSTICK	1
25	195413	BRACKET/DIPSTICK	1
26	210-19469	NUT/LOCK FLANGE SERRATED 1/4	2
27	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	6
28	230-30569	FITTING/STRAIGHT MJ10-MORB08	3
29	241259	HOSE/FUEL 5/16 X 72	1
30	241459	ALTERNATOR/ISKRA 100 A	1
31	241562	SPACER/ALTERNATOR	1
32	241563	SPACER/ALTERNATOR	1
33	241590	BOLT/CARRIAGE 5/8 X 4-1/2	2
34	241605	BOLT/CARRIAGE 5/8 X 4	2
35	241932	SPACER/ALTERNATOR	1
36	242959	MOUNT/ENGINE	1
37	243432	SEPARATOR/FUEL/WATER (TAKES 245005 ELEMENT)	1
38	244365	COUPLER/FLEX	1
39	244955	HOSE/FUEL 5/16 X 8	1
40	245012	HOUSING/FLYWHEEL	1
41	50301805	FITTING/45° MJ10-MAORB08	1
42	50350923	PLATE ASSY/FUEL PUMP	1
43	50352484	SLEEVE/NYLON HG10 X 14	1
44	50352485	SLEEVE/NYLON HG10 X 58	1
45	50352779	HOSE ASSY/OIL DRAIN	1
46	50352833	TUBE/HOSE EOC RETURN	1
47	50352985	HOSE 5/8 X 22	1
48	50353014	HOSE 5/8 X 26	1
49	50353078	INLINE CHECK VALVE -10	1
50	50353495	HOSE 5/8 X 16-1/2	1
51	50353632	BRACKET/FUEL/WATER SEPARATOR	1
52	50353797	SLEEVE/NYLON HG10 X 70	1
53	50353798	SLEEVE/NYLON HG10 X 40	1
54	612604	WASHER/FLAT M8	2
55	650486	SCREW/CAP 5/16 X 3/4	1
56	650557	SCREWCAP 3/8 X 1/2	2
57	651394	SCREW/CAP M10 X 25 MM	8
58	651395	SCREW/CAP M10 X 30 MM	8
59	651773	SCREW/CAP M10 X 60 MM	2
60	656002	SCREW/CAP M8 X 35 MM	1
61	656045	SCREW/CAP SOCKET HEAD M10 X 30 MM	9
62	656093	SCREW/CAP M8 X 16 MM	1
63	656141	SCREW/CAP SOCKET HEAD M10 X 25 MM	8
64	656154	SCREW/CAP M8 X 45 MM	1
65	656173	SCREW/CAP M10 X 130 MM	1
66	L50081	NUT/HEX 5/8	4
67	50353074	ENGINE/053KW/YAN/4TNV98T-ZXNMSR	1

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DPF
Models



NOTES
1) ATTACH TO RIGHT CHASSIS TOWER
2) ENSURE CLAMP AND INTAKE HOSE ARE SECURELY FASTENED TO TURBO INTAKE

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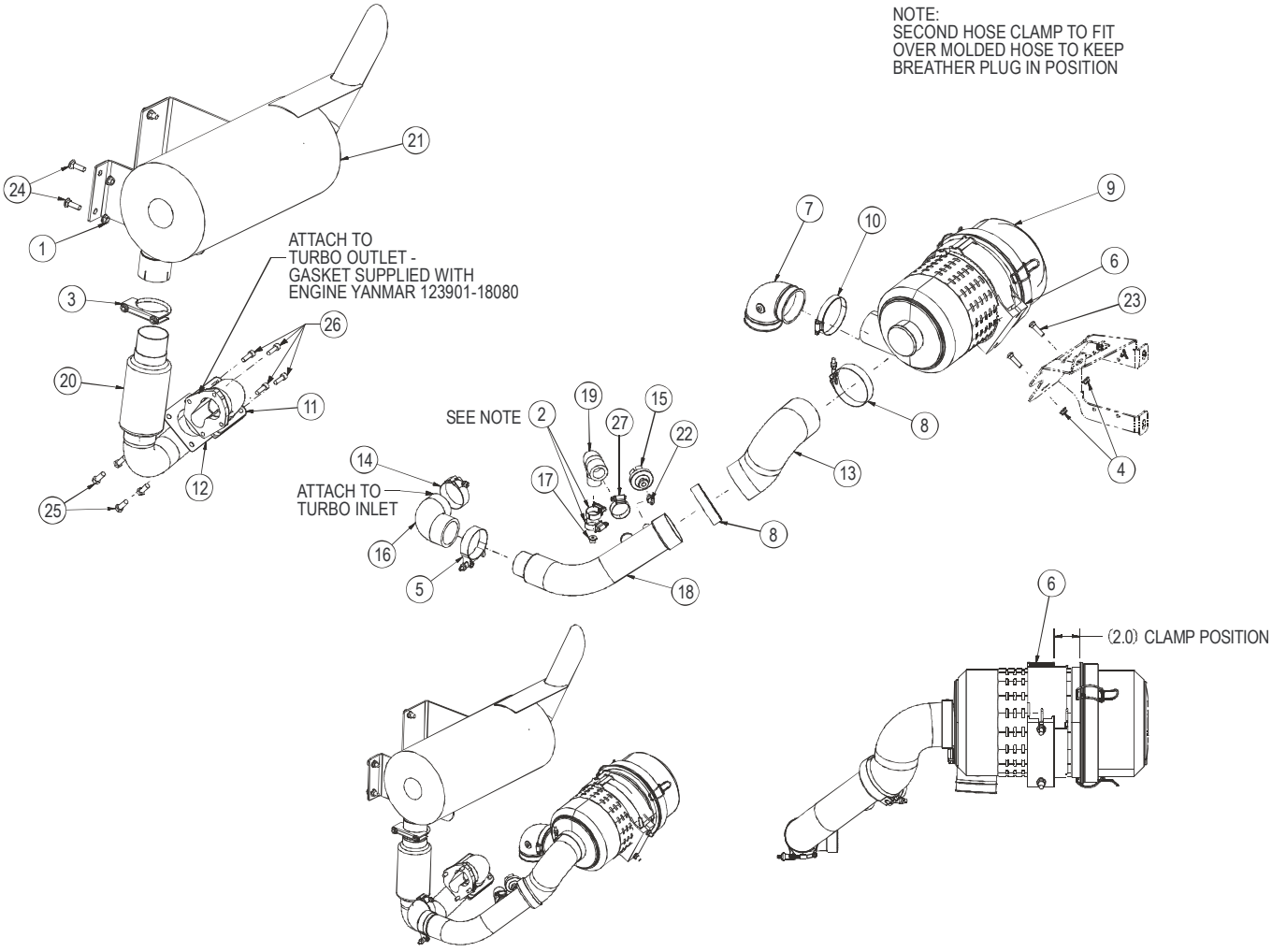
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Ref. No.	Part No.	Description	DPF Models Quantity
1	184601	CLAMP/T-BOLT 4-1/2	2
2	184605	CLAMP/T-BOLT 3-1/2	1
3	240083	CLAMP/T-BOLT 2-3/8	1
4	50351477	CLEANER/AIR	1
	50352454	FILTER/MAIN	1
	50352455	FILTER/SECONDARY	1
5	50351489	ADAPTER/INTAKE 3-1/2	1
6	50351924	TUBE/INTAKE	1
7	50351978	TUBE/INTAKE	1
8	50354475	PIPE/EXHAUST	1
9	50354192 b	SUPPRESOR/INTAKE	1
10	50354248 b	INDICATOR/SERVICE	1
	272299 a	INDICATOR/SERVICE	1
11	50657042	SCREW/CAP BUTTON HEAD M8 X 25 MM	3
12	656048	NUT/HEX M8	4
13	656110	WASHER/LOCK M8	4

a) SN 173606 and Before
b) SN 173607 and Up

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Non-DPF Models



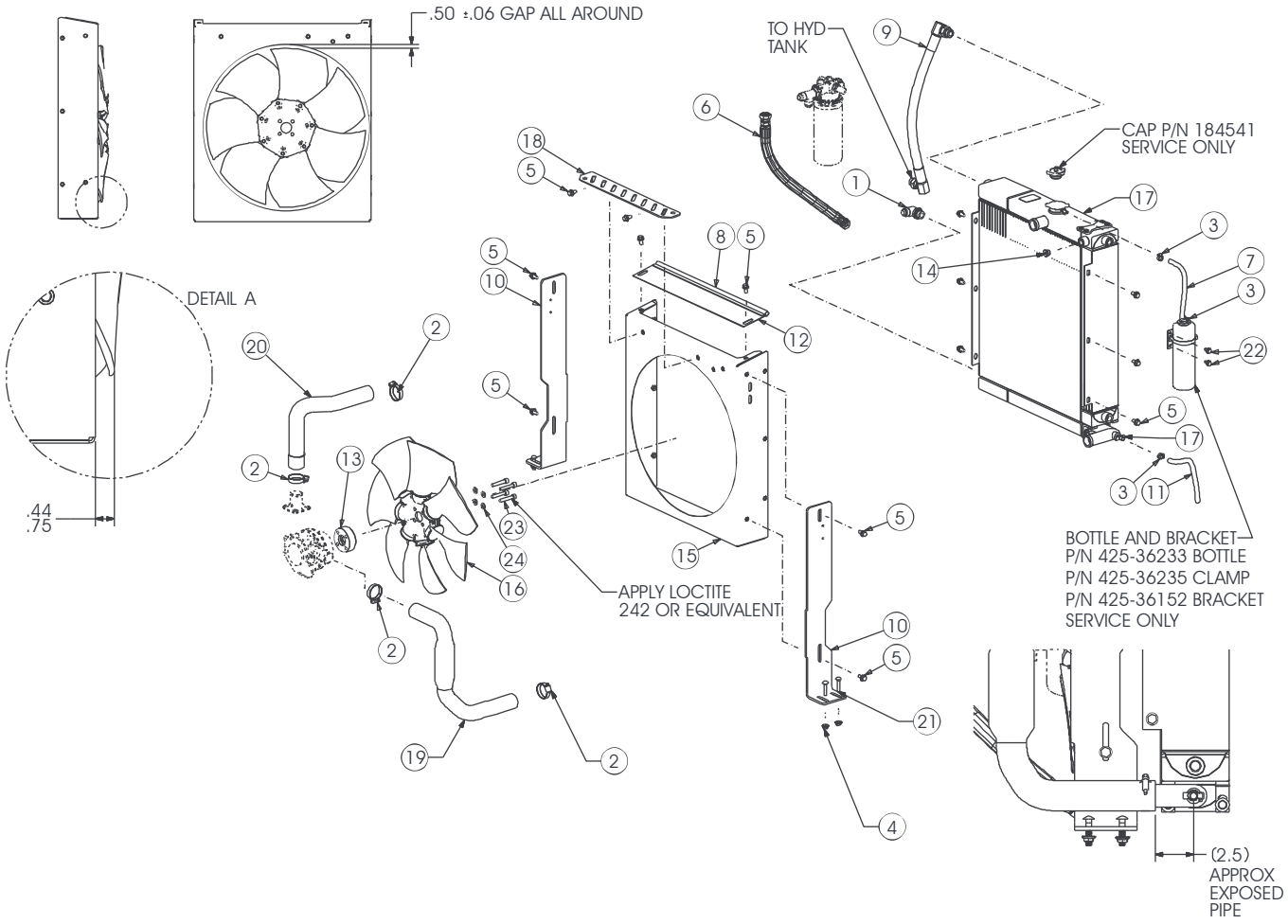
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Ref. No.	Part No.	Description	Non-DPF Models Quantity
1	090666	NUT/LOCK SERRATED FLANGE 3/8	4
2	095955	CLAMP/HOSE #10	2
3	127428	CLAMP/MUFFLER 2-1/2	1
4	131842	NUT/SPIRALOCK™ 5/16	2
5	137049	CLAMP/T-BOLT 2-1/2	1
6	183998	CLAMP/AIR CLEANER	1
7	184099	ELBOW 90° W/ INDICATOR TAP	1
8	184605	CLAMP/T-BOLT 3-1/2	2
9	186014	ASSEMBLY/AIR CLEANER	1
	184146	FILTER ELEMENT/PRIMARY	1
	184195	FILTER ELEMENT/SECONDARY	1
	187725	VALVE/EVACUATOR	1
	187726	END CAP/AIR CLEANER	1
10	187581	CLAMP/HOSE #44 LINER	2
11	192932	OUTLET/EXHAUST	1
12	193154	GASKET/FLANGE/EXHAUST	1
13	195125	HOSE/INTAKE/AIR	1
14	240083	CLAMP/T-BOLT 2-3/8	1
15	272299	INDICATOR/SERVICE	1
16	50352793	ELBOW MOLDED/INTAKE 46 MM	1
17	50353150	SPACER/BREATHER PLUG	1
18	50353195	TUBE/INTAKE	1
19	50353203	HOSE/BREATHER 5/8 TRANSITION	1
20	50353715	COUPLER/FLEX	1
21	50353782	MUFFLER	1
22	50353812	FITTING/STRAIGHT MP02-MM10 FILTER	1
23	650745	BOLT/CARRIAGE 5/16 X 1-1/4	2
24	650786	BOLT/CARRIAGE 3/8 X 1-1/4	4
25	651297	SCREW/CAP 3/8 X 1	4
26	656123	SCREW/CAP SOCKET HEAD M8 X 25 MM	4
27	L75990	CLAMP/HOSE #16	1

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RADIATOR/COOLER



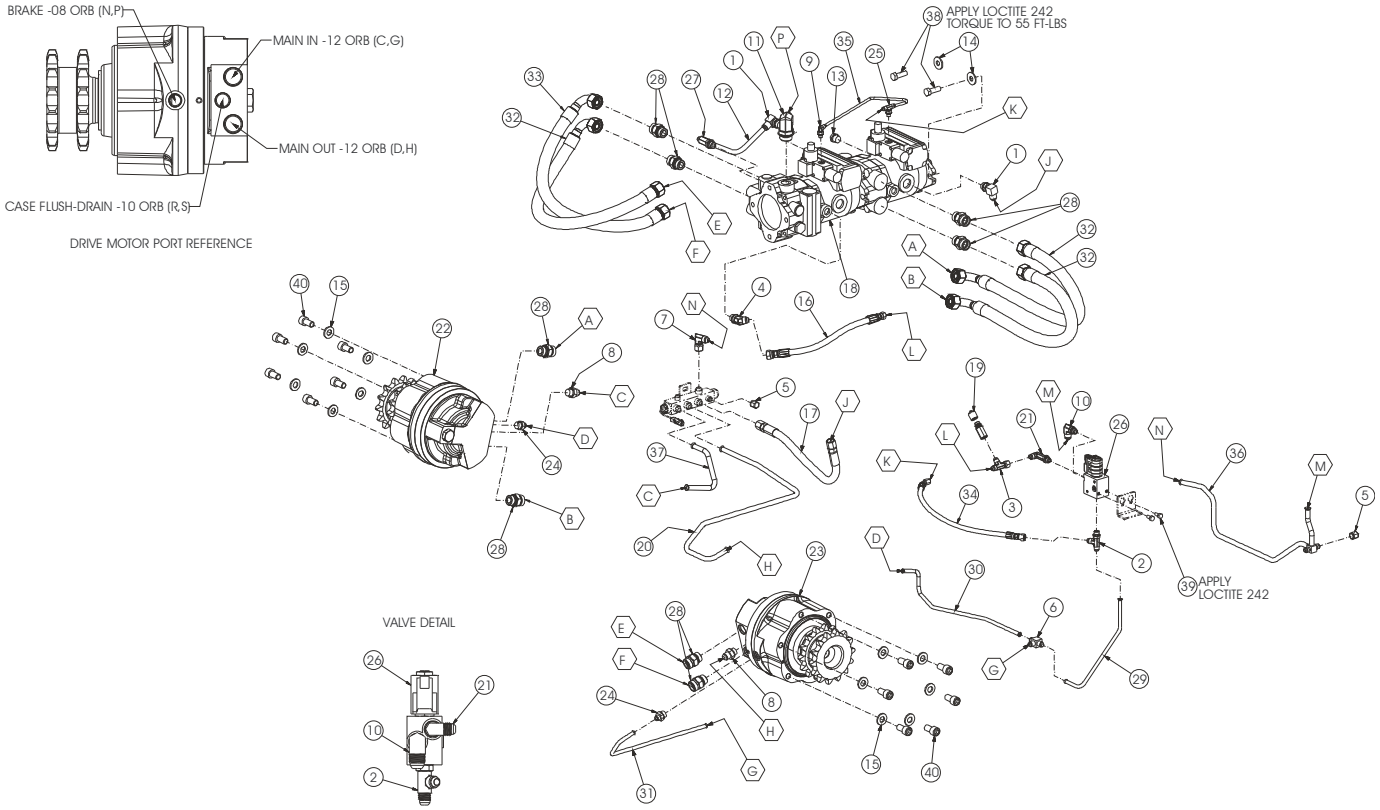
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Ref. No.	Part No.	Description	Quantity
1	055005	FITTING/90° MJ12-MAORB12	1
2	061946	CLAMP/HOSE #24	4
3	062023	CLAMP/HOSE #05	3
4	070856	NUT/LOCK SERRATED FLANGE 3/8	4
5	076588	SCREW/CAP HEX FLANGE LOCKING 3/8 X 3/4	14
6	135025	HOSE/PRESSURE 3/4 X 36	1
7	187474	HOSE/FUEL 5/16 X 15	1
8	190282	SEAL/BULB	1
9	194320	HOSE/OUTLET/COOLER	1
10	241618	PLATE-COOLER MOUNT	2
11	242554	HOSE/FUEL 3/8 X 15	1
12	244056	PLATE/COVER	1
13	273038	SPACER/FAN/YANMAR	1
14	50301166	PLUG HH MORB08	1
15	50351736	SHROUD	1
16	50352287	FAN/PUSHER	1
17	50352464	COOLER RAD/HYD/EOC	1
18	50352492	FLANGE/COOLER COVER	1
19	50353489	HOSE/RAD/LOWER	1
20	50353013	HOSE/RAD/UPPER	1
21	650786	BOLT/CARRIAGE 3/8 X 1-1/4	4
22	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	2
23	651776	SCREW/CAP SOCKET HEAD M10 X 55 MM	4
24	656133	WASHER/FLAT M10	4

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Single-Speed
T-Bar Controls



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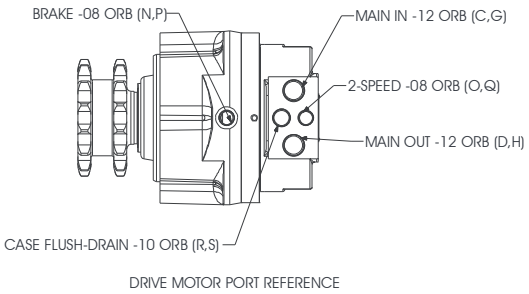
HYDROSTATIC SYSTEM WITH DRIVE MOTORS

Ref. No.	Part No.	Description	T-Bar Single-Speed Qty
1	054816	FITTING/90° MJ08-MAORB08	2
2	054820	FITTING/TEE RUN MJ06-MAORB06-MJ06	1
3	072806	FITTING/TEE MJ06-FJS06-MJ06	1
4	076880	FITTING/45° MJ08-MAORB08	1
5	080556	CAP FJ06	2
6	087393	FITTING/TEE FL06 FL06 FL06	1
7	088442	FITTING/90° MJ08-FJS08	1
8	089099	FITTING/STRAIGHT 6400 8-10	2
9	095601	FITTING/90° MJ04-MAORB04	1
10	114824	FITTING/90° MJ08-MAORB06	1
11	121684	FITTING/90° MJ12-MAORB16	1
12	122641	TUBE/CHARGE	1
13	131529	PLUG MORB08	1
14	134966	WASHER/FLAT HARDENED 1/2	2
15	135773	WASHER/FLAT HARDENED 5/8	12
16	136103	HOSE/PRESSURE 3/8 X 17	1
17	184499	HOSE/PRESSURE 1/2 X 22	1
18	186918 a	PUMP/TANDEM	1
	132248	O-RING 045 N70	1
19	193169	PORT/TEST 9/16-18 UNF	1
20	193974	TUBE/DRAIN LEFT MOTOR	1
21	194732	FITTING/90° LL MJ06-MAORB06	1
22	195101 a	MOTOR/SINGLE SPEED RIGHT	1
23	195102 a	MOTOR/SINGLE SPEED LEFT	1
24	230-24749	FITTING/STRAIGHT MJ06-MORB08	2
25	230-32753	FITTING/TEE BR MJ04-MJ04-MAORB04	1
26	240056 a	VALVE/BRAKE	1
27	242681	FITTING/TEE MJ06-MAORB08-MJ0	1
28	272669	FITTING/STRAIGHT MC20-MORB12-S	8
29	50351245	TUBE/BRAKE LEFT	1
30	50351525	TUBE/BRAKE RIGHT	1
31	50351526	TUBE/BRAKE LEFT	1
32	50351756	HOSE/PRESSURE 3/4 X 31	3
33	50353190	HOSE/PRESSURE 3/4 X 28	1
34	50353440	HOSE/HYDRAULIC -04 X 18	1
35	50353442	TUBE/HYDRAULIC -04 PUMP	1
36	50353520	TUBE/DRAIN	1
37	50353674	TUBE/DRAIN MOTOR	1
38	650453	SCREW/CAP 1/2 X 1-1/2	2
39	650485	SCREW/CAP 5/16 X 5/8	2
40	651620	SCREW/CAP SOCKET HEAD M16 X 30 MM	12

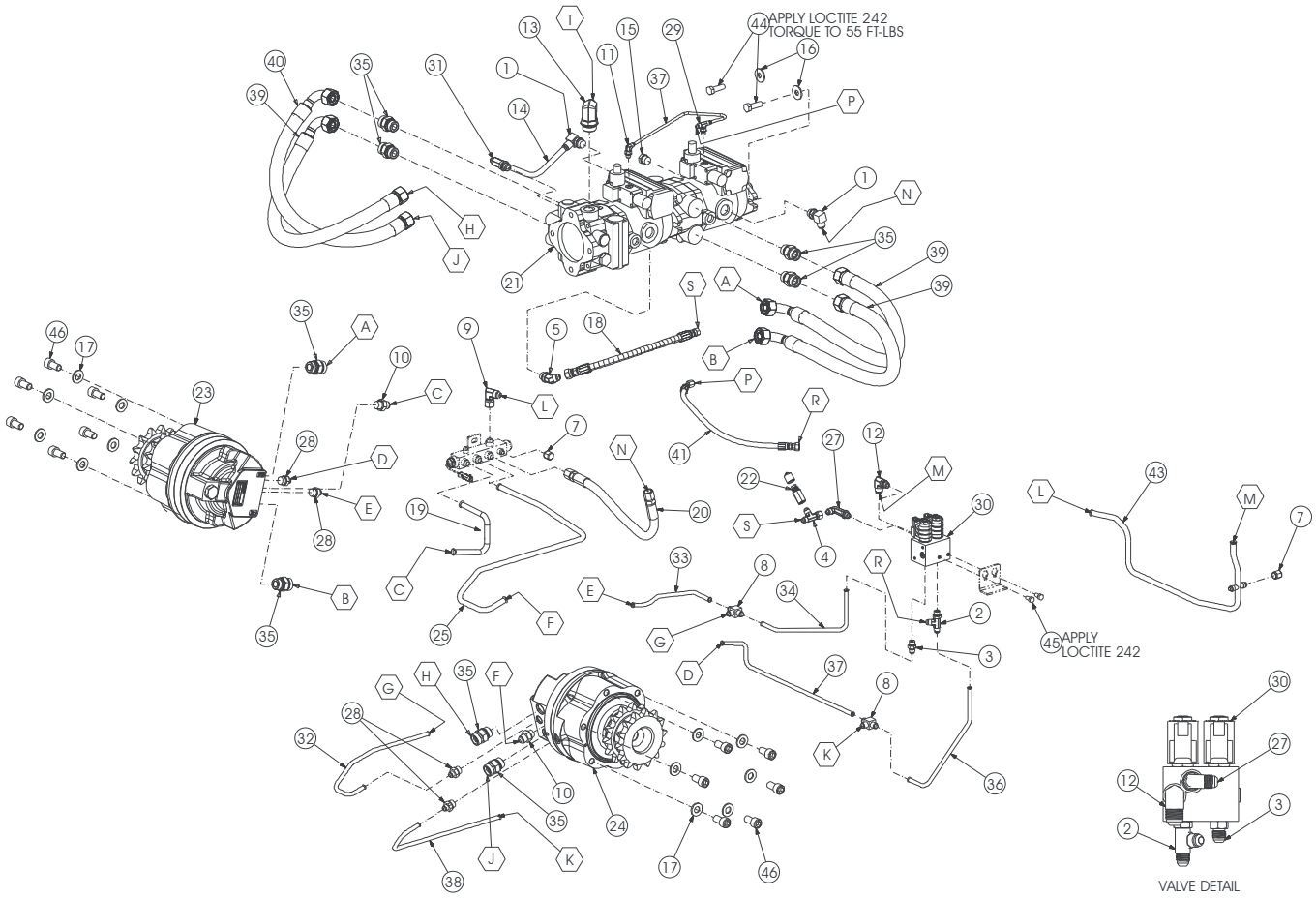
a) For breakdown see “Section B” of this manual.

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Two-Speed
T-Bar Controls



DRIVE MOTOR PORT REFERENCE



VALVE DETAIL

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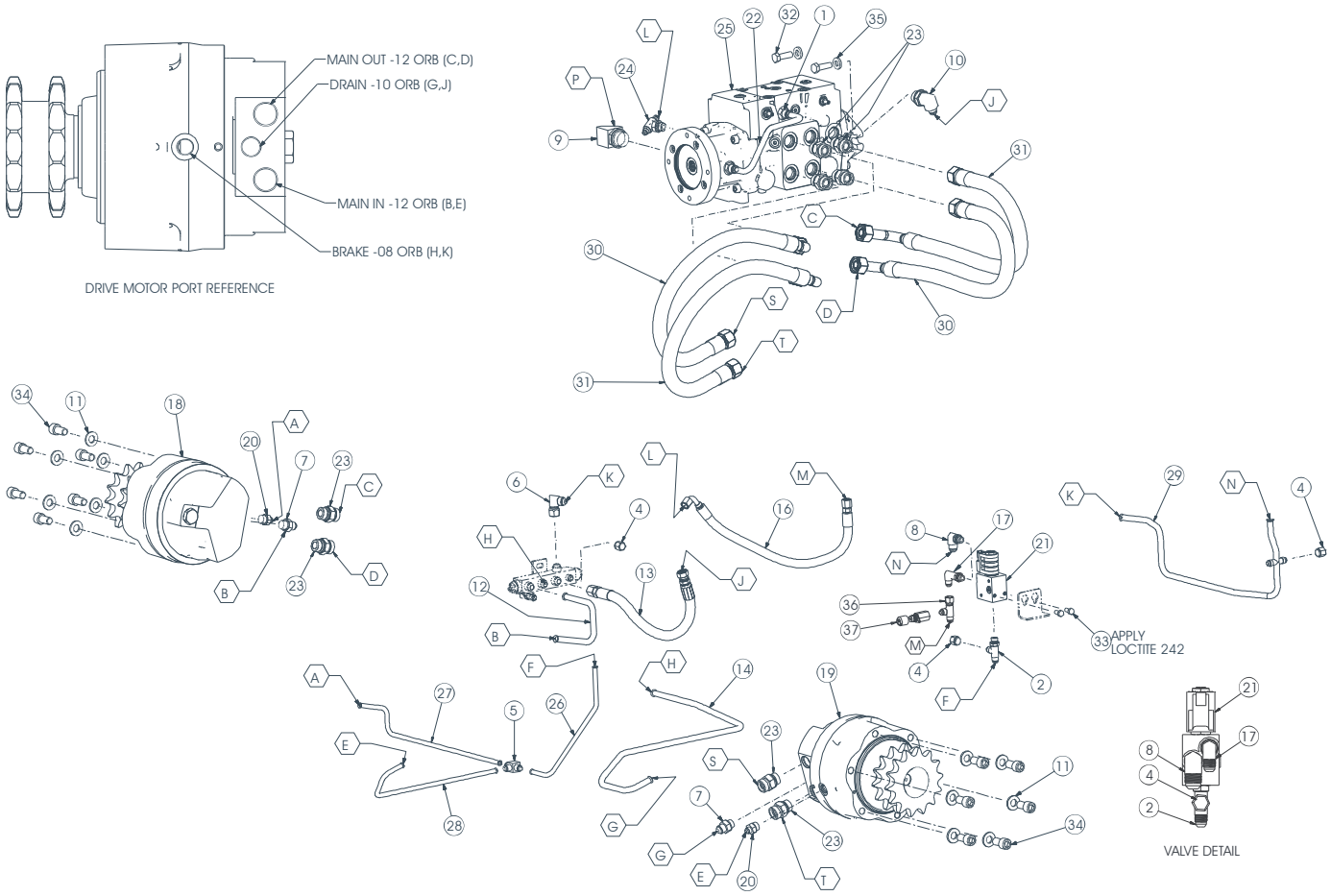
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Ref. No.	Part No.	Description	T-Bar Two-Speed Qty
1	054816	FITTING/90° MJ08-MAORB08	2
2	054820	FITTING/TEE RUN MJ06-MAORB06-MJ06	1
3	054994	FITTING/STRAIGHT MJ06-MORB06	1
4	072806	FITTING/TEE MJ06-FJS06-MJ06	1
5	076880	FITTING/45° MJ08-MAORB08	1
7	080556	CAP FJ06	2
8	087393	FITTING/TEE FL06 FL06 FL06	2
9	088442	FITTING/90° MJ08-FJS08	1
10	089099	FITTING/STRAIGHT 6400 8-10	2
11	095601	FITTING/90° MJ04-MAORB04	1
12	114824	FITTING/90° MJ08-MAORB06	1
13	121684	FITTING/90° MJ12-MAORB16	1
14	122641	TUBE/CHARGE	1
15	131529	PLUG MORB08	1
16	134966	WASHER/FLAT HARDENED 1/2	2
17	135773	WASHER/FLAT HARDENED 5/8	12
18	136103	HOSE/PRESSURE 3/8 X 17	1
19	50353674	TUBE/DRAIN MOTOR	1
20	184499	HOSE/PRESSURE 1/2 X 22	1
21	186918 a	PUMP/TANDEM	1
	132248	O-RING 045 N70	1
22	193169	PORT/TEST 9/16	1
23	193674 a	MOTOR/2 SPEED RIGHT	1
24	193675 a	MOTOR/2 SPEED LEFT	1
25	193974	TUBE/DRAIN LEFT MOTOR	1
27	194732	FITTING/90° LL MJ06-MAORB06	1
28	230-24749	FITTING/STRAIGHT MJ06-MORB08	4
29	230-32753	FITTING/TEE BR MJ04-MJ04-MAORB04	1
30	240057 a	VALVE/BRAKE-TWO SPEED	1
31	242681	FITTING/TEE MJ06-MAORB08-MJ0	1
32	244983	TUBE/2 SPEED LEFT	1
33	244985	TUBE/2 SPEED RIGHT	1
34	245236	TUBE/CASE DRAIN	1
35	272669	FITTING/STRAIGHT MC20-MORB12-S	8
36	50351245	TUBE/BRAKE LEFT	1
37	50351525	TUBE/BRAKE RIGHT	1
38	50351526	TUBE/BRAKE LEFT	1
39	50351756	HOSE/PRESSURE 3/4 X 31	3
40	50353190	HOSE/PRESSURE 3/4 X 28	1
41	50353440	HOSE/HYDRAULIC -04 X 18	1
42	50353442	TUBE/HYDRAULIC -04 PUMP	1
43	50353520	TUBE/DRAIN	1
44	650453	SCREW/CAP 1/2 X 1-1/2	2
45	650485	SCREW/CAP 5/16 X 5/8	2
46	651620	SCREW/CAP SOCKET HEAD M16 X 30 MM	12

a) For breakdown see “Section B” of this manual.

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Single-Speed
Hand/Foot, Dual Hand and Dual Joystick Controls



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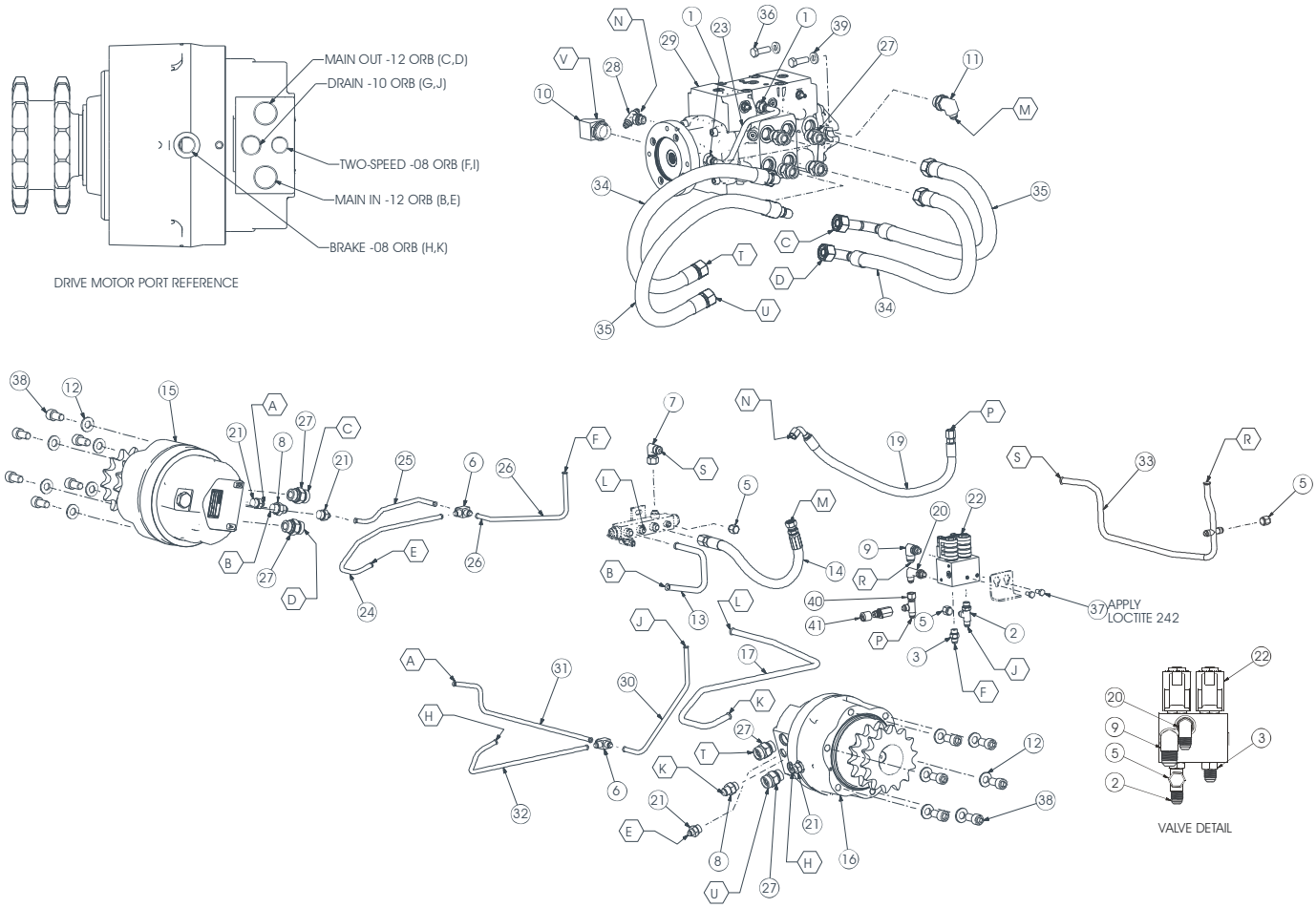
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Ref. No.	Part No.	Description	H/F, DH, DJS Single-Speed Qty
1	054626	FITTING/STRAIGHT MJ08-MORB08	2
2	054820	FITTING/TEE RUN MJ06-MAORB06-MJ06	1
4	080556	CAP FJ06	3
5	087393	FITTING/TEE FL06 FL06 FL06	1
6	088442	FITTING/90° MJ08-FJS08	1
7	089099	FITTING/STRAIGHT 6400 8-10	2
8	114824	FITTING/90° MJ08-MAORB06	1
9	121773	FITTING/45° MJ12-MAORB16	1
10	121775	FITTING/90° MJ08-MAORB12	1
11	135773	WASHER/FLAT HARDENED 5/8	12
12	50353674	TUBE/DRAIN MOTOR	1
13	184499	HOSE/PRESSURE 1/2 X 22	1
14	193974	TUBE/DRAIN LEFT MOTOR	1
16	194210	HOSE/PRESSURE 3/8 X 28-1/2	1
17	194732	FITTING/90° LL MJ06-MAORB06	1
18	195101 a	MOTOR/SINGLE SPEED RIGHT	1
19	195102 a	MOTOR/SINGLE SPEED LEFT	1
20	230-24749	FITTING/STRAIGHT MJ06-MORB08	2
21	240056 a	VALVE/BRAKE	1
22	242506	TUBE/CHARGE	1
23	272669	FITTING/STRAIGHT MC20-MORB12-S	8
24	50301000	FITTING/TEE BR MJ06-MJ06-MAORB08	1
25	50351006 a	PUMP/TANDEM/A22	1
	244517	O-RING 101.27 MM X 2.62 MM	1
26	50351245	TUBE/BRAKE LEFT	1
27	50351525	TUBE/BRAKE RIGHT	1
28	50351526	TUBE/BRAKE LEFT	1
29	50353520	TUBE/DRAIN	1
30	50351756	HOSE/PRESSURE 3/4 X 31	2
31	50353264	HOSE/PRESSURE 3/4 X 31	2
32	650453	SCREW/CAP 1/2 X 1-1/2	2
33	650485	SCREW/CAP 5/16 X 5/8	2
34	651620	SCREW/CAP SOCKET HEAD M16 X 30 MM	12
35	P471548	WASHER/HARD 1/2	2
36	072806	FITTING/TEE MJ06-FJS06-MJ06	1
37	193169	PORT/TEST 9-1/6	1

a) For breakdown see “Section B” of this manual.

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Two-Speed
Hand/Foot, Dual Hand and Dual Joystick Controls



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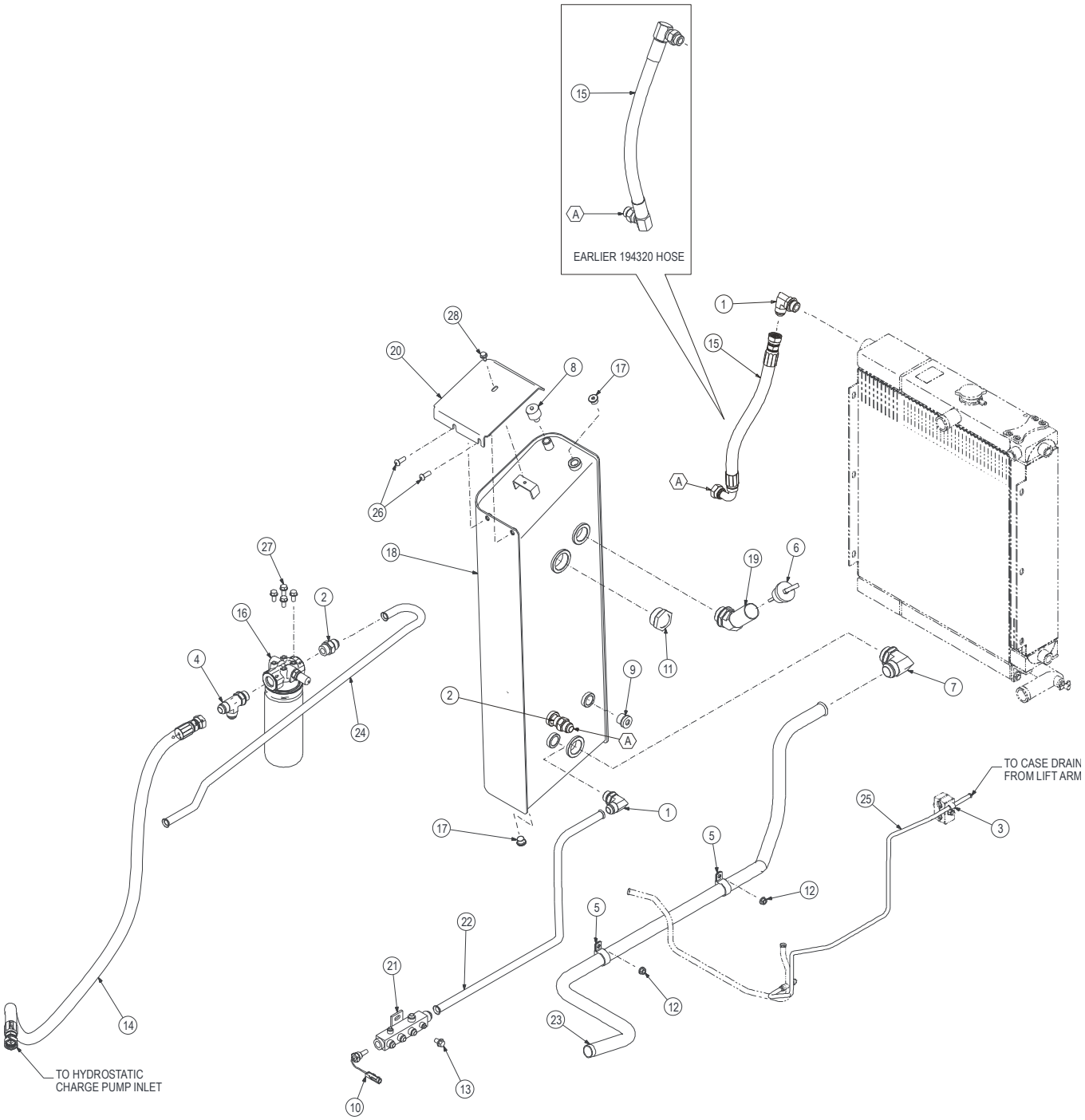
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Ref. No.	Part No.	Description	H/F, DH, DJS Two-Speed Qty
1	054626	FITTING/STRAIGHT MJ08-MORB08	2
2	054820	FITTING/TEE RUN MJ06-MAORB06-MJ06	1
3	054994	FITTING/STRAIGHT MJ06-MORB06	1
5	080556	CAP FJ06	3
6	087393	FITTING/TEE FL06 FL06 FL06	2
7	088442	FITTING/90° MJ08-FJS08	1
8	089099	FITTING/STRAIGHT 6400 8-10	2
9	114824	FITTING/90° MJ08-MAORB06	1
10	121773	FITTING/45° MJ12-MAORB16	1
11	121775	FITTING/90° MJ08-MAORB12	1
12	135773	WASHER/FLAT HARDENED 5/8	12
13	50353674	TUBE/DRAIMOTOR	1
14	184499	HOSE/PRESSURE 1/2 X 22	1
15	193674 a	MOTOR/2 SPEED RIGHT	1
16	193675 a	MOTOR/2 SPEED LEFT	1
17	193974	TUBE/DRAIN LEFT MOTOR	1
19	194210	HOSE/PRESSURE 3/8 X 28-1/2	1
20	194732	FITTING/90° LL MJ06-MAORB06	1
21	230-24749	FITTING/STRAIGHT MJ06-MORB08	4
22	240057 a	VALVE/BRAKE-TWO SPEED	1
23	242506	TUBE/CHARGE	1
24	244983	TUBE/2 SPEED LEFT	1
25	244985	TUBE/2 SPEED RIGHT	1
26	245236	TUBE/CASE DRAIN	1
27	272669	FITTING/STRAIGHT MC20-MORB12-S	8
28	50301000	FITTING/TEE BR MJ06-MJ06-MAORB08	1
29	50351006 a	PUMP/TANDEM/A22	1
	244517	O-RING 101.27 MM X 2.62 MM	1
30	50351245	TUBE/BRAKE LEFT	1
31	50351525	TUBE/BRAKE RIGHT	1
32	50351526	TUBE/BRAKE LEFT	1
33	50353520	TUBE/DRAIN	1
34	50351756	HOSE/PRESSURE 3/4 X 31	2
35	50353264	HOSE/PRESSURE 3/4 X 31	2
36	650453	SCREW/CAP 1/2 X 1-1/2	2
37	650485	SCREW/CAP 5/16 X 5/8	2
38	651620	SCREW/CAP SOCKET HEAD M16 X 30 MM	12
39	P471548	WASHER/HARD 1/2	2
40	072806	FITTING/TEE MJ06-FJS06-MJ06	1
41	193169	PORT/TEST 9-1/6	1

a) For breakdown see “Section B” of this manual.

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Tank Hydraulics



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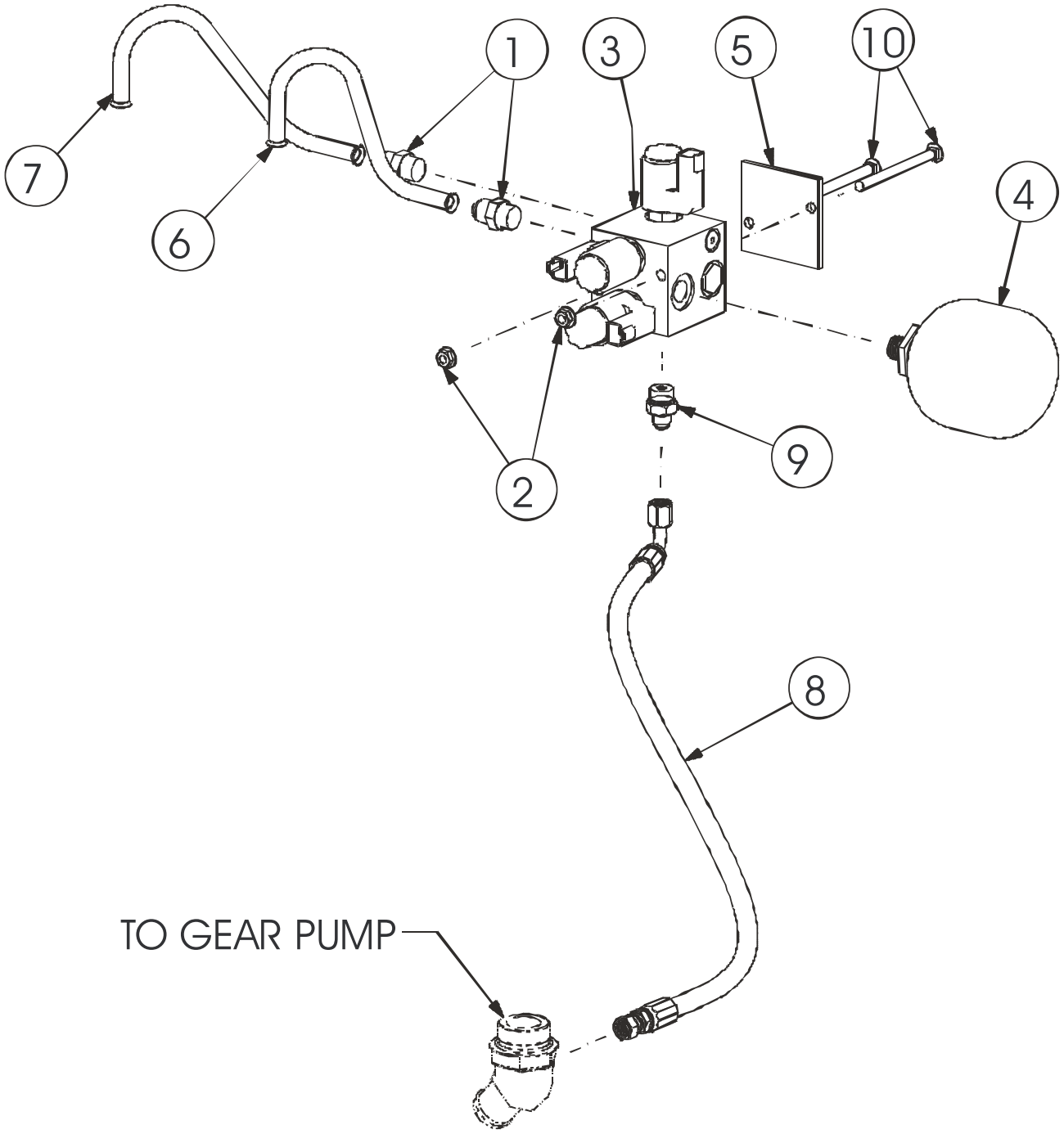
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Ref. No.	Part No.	Description	Quantity
1	055005	FITTING/90° MJ12-MAORB12	2
2	072587	FITTING/STRAIGHT MJ12-MORB12	2
3	076078	CLAMP/HOSE 3/8 X 11/32 HOLE	1
4	079092	FITTING/TEE MJ12-MAORB12-MJ1	1
5	095619	CLAMP/HOSE 1-1/4 X 13/32 HOLE	2
6	127342	CAP/HYD RESERVOIR	1
7	127349	FITTING/90° MJ20-MAORB20	1
8	128591	BREATHER/HYDRAULIC RESERVOIR	1
9	131522	PLUG MORB12	1
10	132049	SWITCH/TEMPERATURE	1
11	134756	SIGHT PORT/OIL LEVEL	1
12	134852	NUT/SPIRALOCK™ 3/8	2
13	139438	SCREW/CAP HEX FLANGE LOCKING 3/8 X 5/8	1
14	194004	HOSE/CHARGE INLET	1
15	50354394 b	HOSE/HYDRAULIC -12 X 19-1/2	1
	194320 a	HOSE/OUTLET/COOLER	1
16	243117	ASSY/FILTER/HYD	1
	243118	INDICATOR/FILTER	1
	074830	FILTER/OIL	1
17	50301166	PLUG HH MORB08	2
18	50350248	TANK/HYDRAULIC	1
19	50350686	TUBE/FILL NECK	1
20	50351209	COVER/TOP TANK	1
21	50351210	MANIFOLD/HYD RETURN	1
22	50351418	TUBE/TANK RETURN	1
23	50351419	TUBE/SUCTION	1
24	50352466	TUBE/FILTER	1
25	50353523	AUX/CASE DRAIN	1
26	50657004	SCREW/CAP BUTTON HEAD 3/8 X 1	2
27	651041	SCREW/MACHINE HEX WASHER HEAD 3/8 X 3/4	4
28	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	1

a) SN 173631 and Before
b) SN 173632 and Up

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Hydraglide™ Ride Control Assembly



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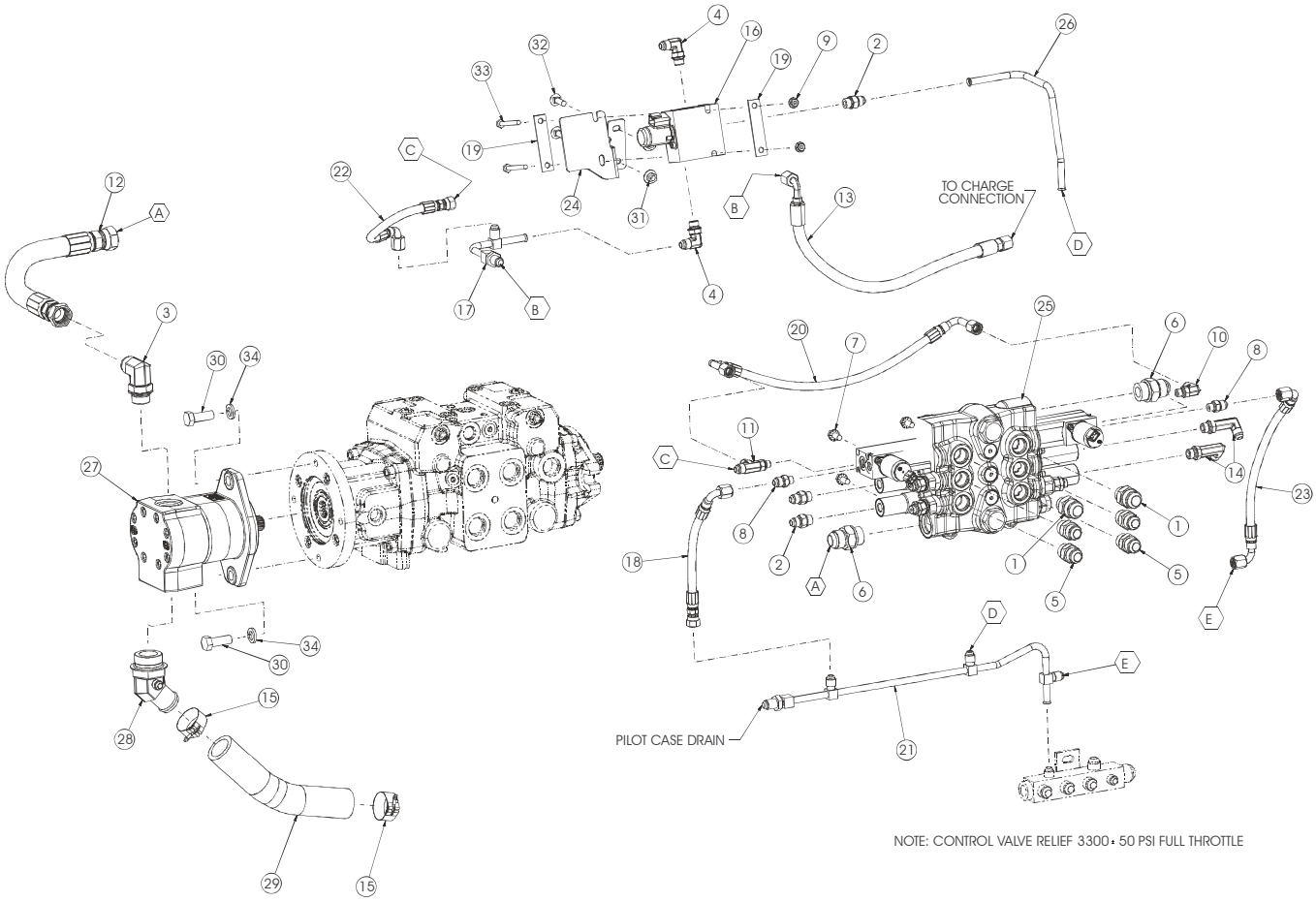
Ref. No.	Part No.	Description	Hydraglide™ Quantity
1	054626	FITTING/STRAIGHT MJ08-MORB08	2
2	131842	NUT/SPIRALOCK™ 5/16	2
3	184363 a	MANIFOLD/HYDRAGLIDE	1
4	184415	ACCUMULATOR	1
5	184843	PLATE-SPACER (VALVE)	1
6	193021	TUBE/HYDRAGLIDE	1
7	193022	TUBE/HYDRAGLIDE	1
8	194126	HOSE/PRESSURE 3/8 X 26	1
9	230-24749	FITTING/STRAIGHT MJ06-MORB08	1
10	651712	BOLT/CARRIAGE 5/16 X 4	2

a) For breakdown see “Section B” of this manual.

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Standard Auxiliary Hydraulics

Hand/Foot and Dual Joystick Controls



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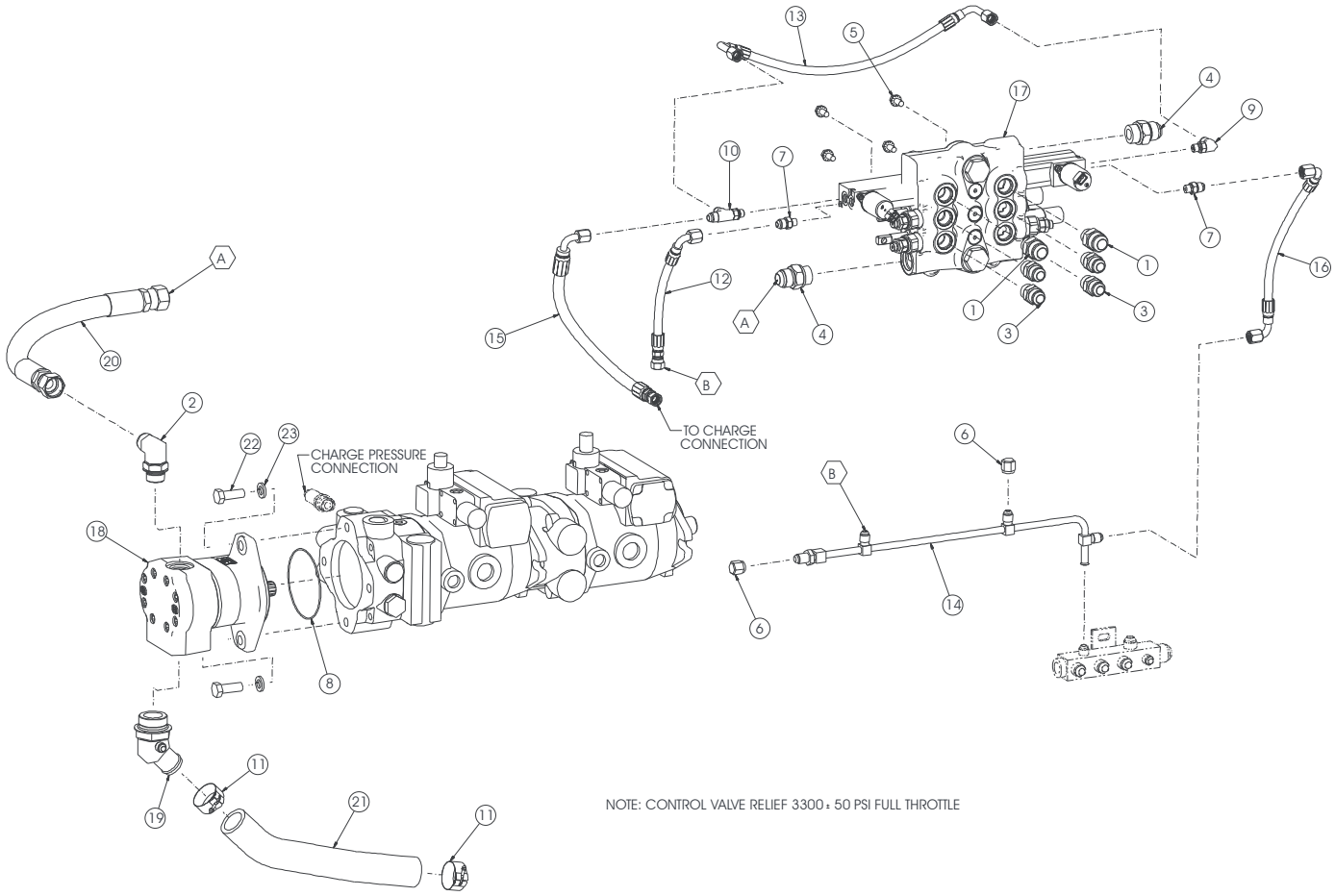
Ref. No.	Part No.	Description	H/F, DJS Quantity
1	054819	FITTING/STRAIGHT MJ12-MORB10	2
2	054994	FITTING/STRAIGHT MJ06-MORB06	3
3	055005	FITTING/90° MJ12-MAORB12	1
4	068938	FITTING/90° MJ06-MAORB06	2
5	072580	FITTING/STRAIGHT MJ10-MORB10	4
6	072587	FITTING/STRAIGHT MJ12-MORB12	2
7	076587	SCREW/CAP HEX FLANGE LOCKING 5/16 X 5/8	4
8	129124	FITTING/STRAIGHT MJ06-MORB04	2
9	134588	NUT/SPIRALOCK™ 1/4	2
10	137784	FITTING/90° MJ06-MAORB04	1
11	175377	FITTING/TEE MJ06-MAORB04-MJ06	1
12	193709	HOSE/PRESSURE 3/4 X 23-1/2	1
13	194210	HOSE/PRESSURE 3/8 X 28-1/2	1
14	194732	FITTING/90° LL MJ06-MAORB06	2
15	195112	CLAMP/T-BOLT 1-5/8	2
16	50351211 a	VALVE/HYD SOLENOID 3-WAY	1
17	50351213	TUBE/HYD PILOT	1
18	50351217	HOSE/HYDRAULIC	1
19	50351219	STRAP	2
20	50351227	HOSE/HYD PILOT PRESSURE	1
21	50351230	TUBE/HYD DRAIN	1
22	50351232	HOSE/HYDRAULIC	1
23	50351247	HOSE/HYDRAULIC	1
24	50351268	BRACKET/MTG SUPPLY VALVE	1
25	50351274 a	VALVE/3-SPOOL PILOT	1
26	50352203	TUBE/HYD/CASE DRAIN	1
27	50352625 a	PUMP SINGLE 36CC	1
28	50352784	FITTING/45° HB20-MAORB20	1
29	50353361	HOSE/SUCTION 11.00	1
30	50657014	SCREW/CAP 1/2 X 1-3/8	2
31	650518	NUT/HEX LARGE FLANGE 5/16	2
32	650573	BOLT/CARRIAGE 5/16 X 1	2
33	650839	SCREW/CAP 1/4 X 2-1/4	2
34	654030	WASHER/LOCK 1/2	2

a) For breakdown see “Section B” of this manual.

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Standard Auxiliary Hydraulics

T-Bar Controls



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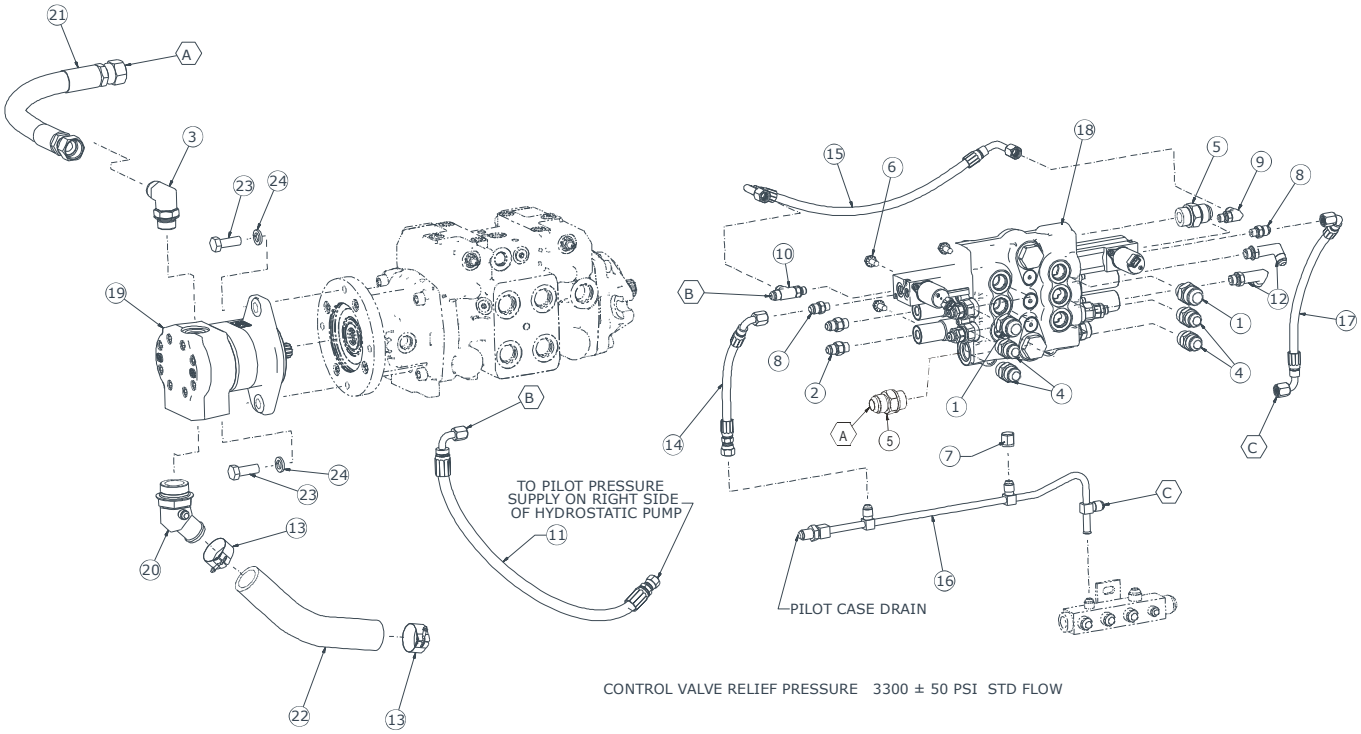
Ref. No.	Part No.	Description	T-Bar Quantity
1	054819	FITTING/STRAIGHT MJ12-MORB10	2
2	055005	FITTING/90° MJ12-MAORB12	1
3	072580	FITTING/STRAIGHT MJ10-MORB10	4
4	072587	FITTING/STRAIGHT MJ12-MORB12	2
5	076587	SCREW/CAP HEX FLANGE LOCKING 5/16 X 5/8	4
6	080556	CAP FJ06	2
7	129124	FITTING/STRAIGHT MJ06-MORB04	2
8	132248	O-RING 045 N70	1
9	137784	FITTING/90° MJ06-MAORB04	1
10	175377	FITTING/TEE MJ06-MAORB04-MJ06	1
11	195112	CLAMP/T-BOLT 1-5/8	2
12	50351217	HOSE/HYDRAULIC	1
13	50351227	HOSE/HYD PILOT PRESSURE	1
14	50351230	TUBE/HYD DRAIN	1
15	50351244	HOSE/HYDRAULIC	1
16	50351247	HOSE/HYDRAULIC	1
17	50351275 a	VALVE/3-SPOOL MANUAL	1
18	50352625 a	PUMP SINGLE 36CC	1
19	50352784	FITTING/45° HB20-MAORB20	1
20	50353133	HOSE/PRESSURE 3/4 X 18	1
21	50353361	HOSE/SUCTION 11.00	1
22	50657014	SCREW/CAP 1/2 X 1-3/8	2
23	654030	WASHER/LOCK 1/2	2

a) For breakdown see “Section B” of this manual.

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Standard Auxiliary Hydraulics

Dual Hand Controls



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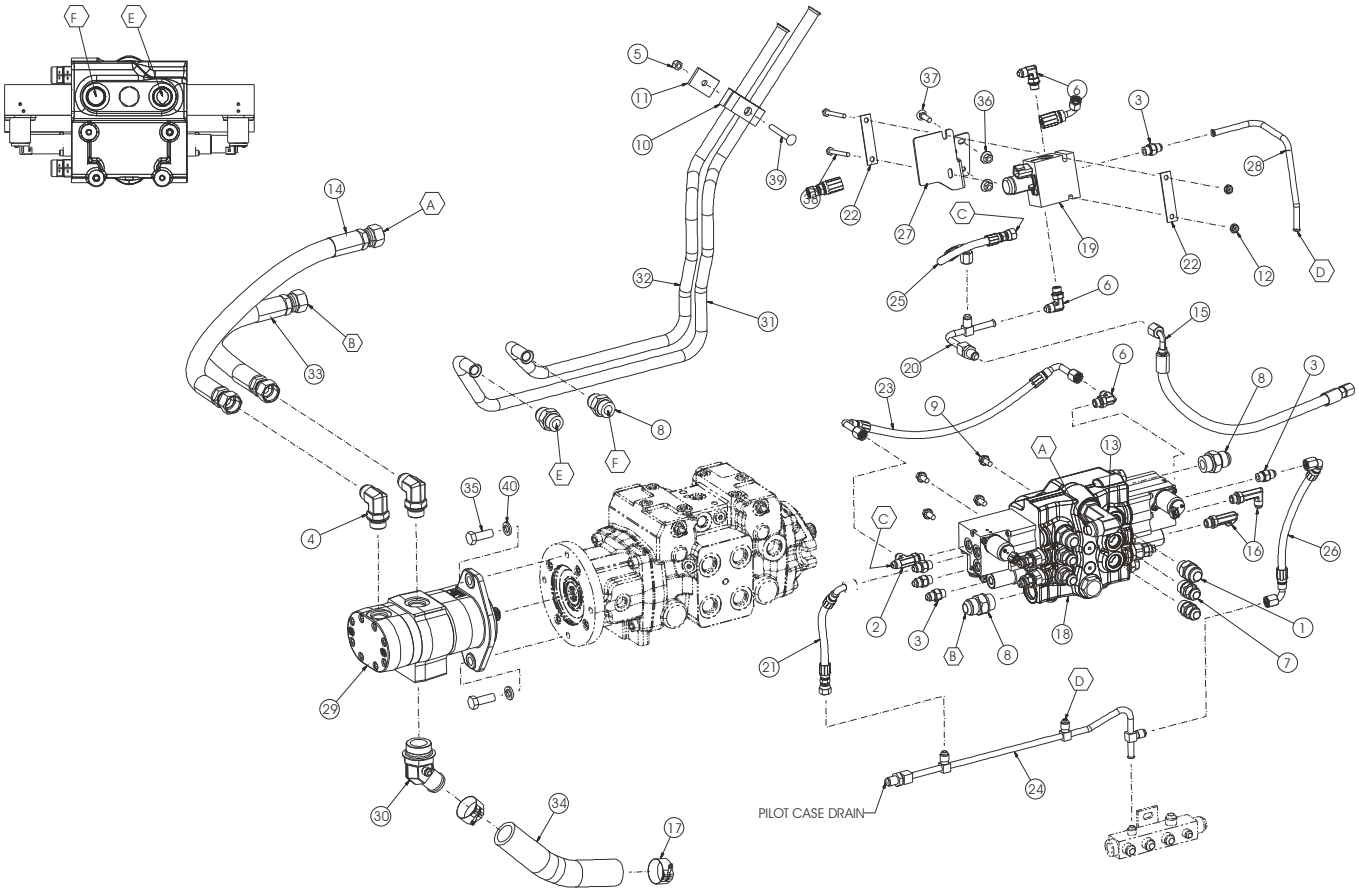
Ref. No.	Part No.	Description	Dual Hand Quantity
1	054819	FITTING/STRAIGHT MJ12-MORB10	2
2	054994	FITTING/STRAIGHT MJ06-MORB06	2
3	055005	FITTING/90° MJ12-MAORB12	1
4	072580	FITTING/STRAIGHT MJ10-MORB10	4
5	072587	FITTING/STRAIGHT MJ12-MORB12	2
6	076587	SCREW/CAP HEX FLANGE LOCKING 5/16 X 5/8	4
7	080556	CAP FJ06	1
8	129124	FITTING/STRAIGHT MJ06-MORB04	2
9	137784	FITTING/90° MJ06-MAORB04	1
10	175377	FITTING/TEE MJ06-MAORB04-MJ06	1
11	194210	HOSE/PRESSURE 3/8 X 28-1/2	1
12	194732	FITTING/90° LL MJ06-MAORB06	2
13	195112	CLAMP/T-BOLT 1-5/8	2
14	50351217	HOSE/HYDRAULIC	1
15	50351227	HOSE/HYD PILOT PRESSURE	1
16	50351230	TUBE/HYD DRAIN	1
17	50351247	HOSE/HYDRAULIC	1
18	50351274 a	VALVE/3-SPOOL PILOT	1
19	50352625 a	PUMP SINGLE 36CC	1
20	50352784	FITTING/45° HB20-MAORB20	1
21	193709	HOSE/PRESSURE 3/4 X 23-1/2	1
22	50353361	HOSE/SUCTION 11.00	1
23	50657014	SCREW/CAP 1/2 X 1-3/8	2
24	654030	WASHER/LOCK 1/2	2

a) For breakdown see “Section B” of this manual.

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High-Flow Auxiliary Hydraulics

Dual Joystick and Hand/Foot Controls



NOTE: CONTROL VALVE RELIEF 3200 ± 50 PSI FULL THROTTLE HIGH FLOW
NOTE: CONTROL VALVE RELIEF 3300 ± 50 PSI FULL THROTTLE STD FLOW

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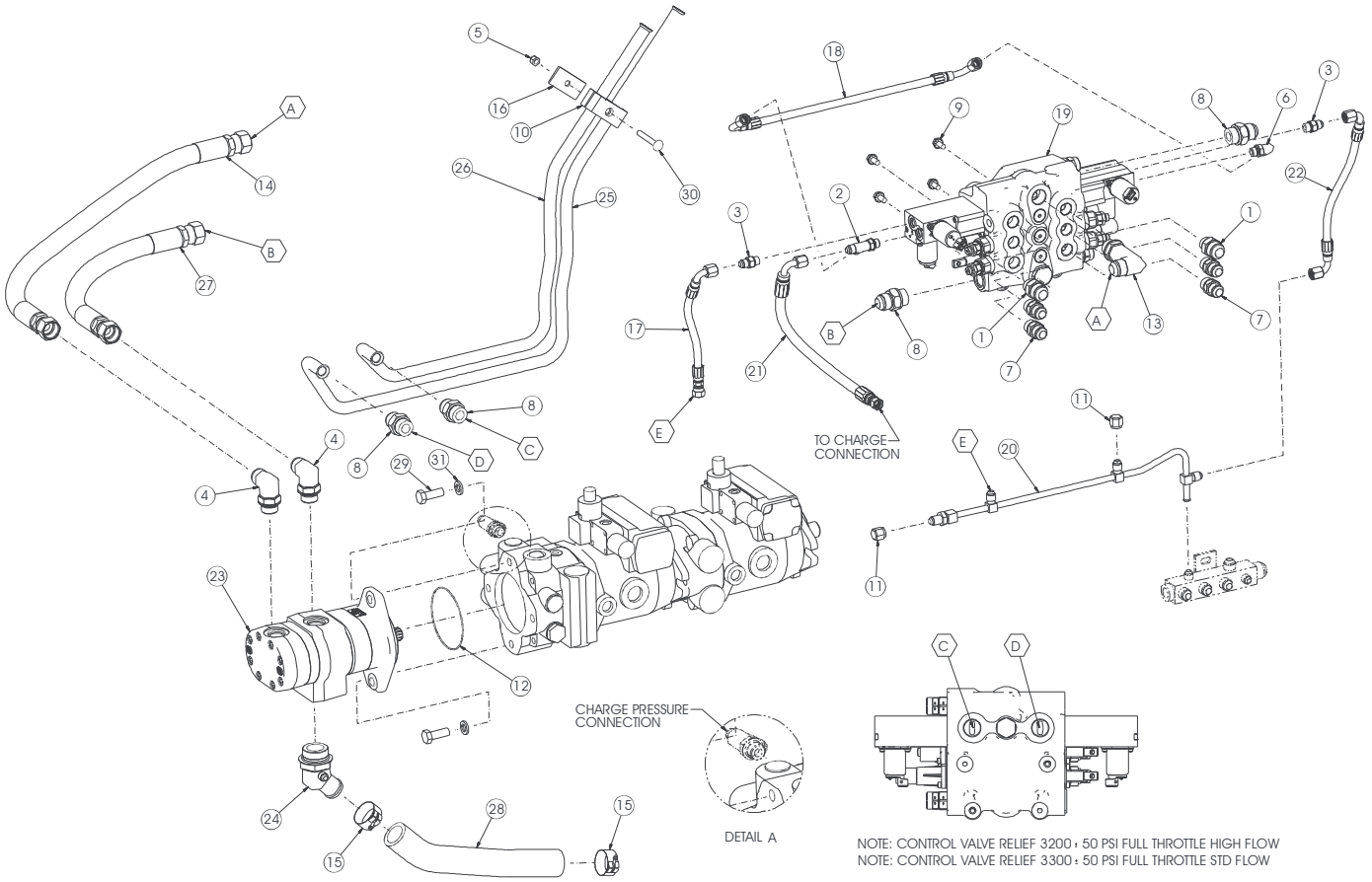
Ref. No.	Part No.	Description	HF, DJS High-Flow Qty
1	054819	FITTING/STRAIGHT MJ12-MORB10	2
2	054820	FITTING/TEE RUN MJ06-MAORB06-MJ06	1
3	054994	FITTING/STRAIGHT MJ06-MORB06	5
4	055005	FITTING/90° MJ12-MAORB12	2
5	064260	NUT/HEX LOCK 5/16	1
6	068938	FITTING/90° MJ06-MAORB06	3
7	072580	FITTING/STRAIGHT MJ10-MORB10	4
8	072587	FITTING/STRAIGHT MJ12-MORB12	4
9	076587	SCREW/CAP HEX FLANGE LOCKING 5/16 X 5/8	4
10	079097	CLAMP/TUBE 3/4 TWIN	1
11	079098	PLATE/TOP SIZE 2 TWIN FLAT	1
12	134588	NUT/SPIRALOCK™ 1/4	2
13	140883	FITTING/90° LL MJ12-MAORB12	1
14	193709	HOSE/PRESSURE 3/4 X 23-1/2	1
15	194210	HOSE/PRESSURE 3/8 X 28-1/2	1
16	194732	FITTING/90° LL MJ06-MAORB06	2
17	195112	CLAMP/T-BOLT 1-5/8	2
18	50351078 a	VALVE/4-SPOOL PILOT CONTROL	1
19	50351211 a	VALVE/HYD SOLENOID 3-WAY	1
20	50351213	TUBE/HYD PILOT	1
21	50351217	HOSE/HYDRAULIC	1
22	50351219	STRAP	2
23	50351227	HOSE/HYD PILOT PRESSURE	1
24	50351230	TUBE/HYD DRAIN	1
25	50351232	HOSE/HYDRAULIC	1
26	50351247	HOSE/HYDRAULIC	1
27	50351268	BRACKET/MTG SUPPLY VALVE	1
28	50352203	TUBE/HYD/CASE DRAIN	1
29	50352474 a	GEAR PUMP 36 + 17	1
30	50352784	FITTING/45° HB20-MAORB20	1
31	50352978	TUBE/HYDRAULIC HIGH FLOW	1
32	50352987	TUBE/HYDRAULIC HIGH FLOW	1
33	50353133	HOSE/PRESSURE 3/4 X 18	1
34	50353361	HOSE/SUCTION 11.00	1
35	50657014	SCREW/CAP 1/2 X 1-3/8	2
36	650518	NUT/HEX LARGE FLANGE 5/16	2
37	650573	BOLT/CARRIAGE 5/16 X 1	2
38	650839	SCREW/CAP 1/4 X 2-1/4	2
39	652040	BOLT/CARRIAGE 5/16 X 2-1/2	1
40	654030	WASHER/LOCK 1/2	2

a) For breakdown see “Section B” of this manual.

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High-Flow Auxiliary Hydraulics

T-Bar Controls



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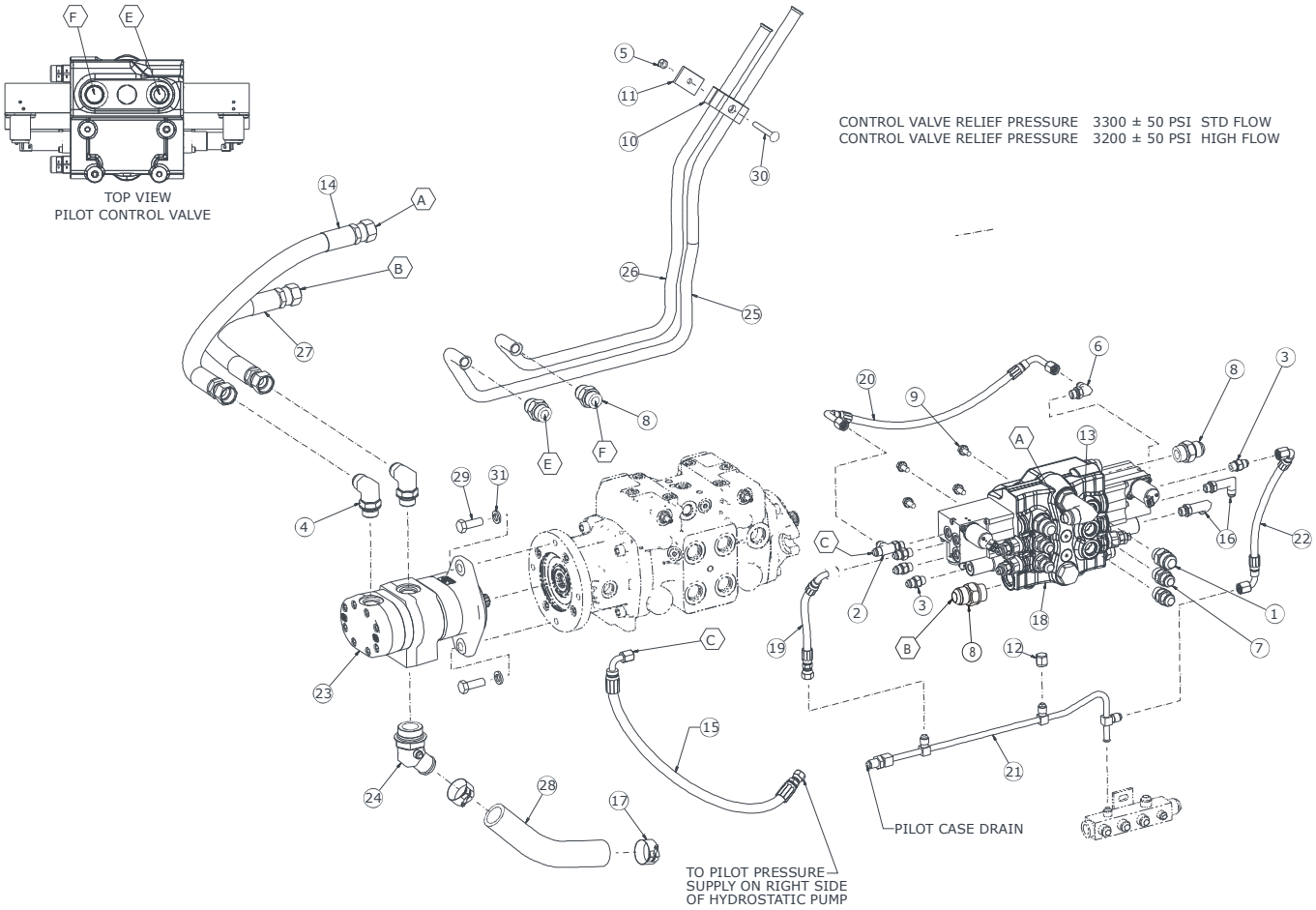
Ref. No.	Part No.	Description	T-Bar High-Flow Qty
1	054819	FITTING/STRAIGHT MJ12-MORB10	2
2	054820	FITTING/TEE RUN MJ06-MAORB06-MJ06	1
3	054994	FITTING/STRAIGHT MJ06-MORB06	2
4	055005	FITTING/90° MJ12-MAORB12	2
5	064260	NUT/HEX LOCK 5/16	1
6	068938	FITTING/90° MJ06-MAORB06	1
7	072580	FITTING/STRAIGHT MJ10-MORB10	4
8	072587	FITTING/STRAIGHT MJ12-MORB12	4
9	076587	SCREW/CAP HEX FLANGE LOCKING 5/16 X 5/8	4
10	079097	CLAMP/TUBE 3/4 TWIN	1
11	080556	CAP FJ06	2
12	132248	O-RING 045 N70	1
13	140883	FITTING/90° LL MJ12-MAORB12	1
14	193709	HOSE/PRESSURE 3/4 X 23-1/2	1
15	195112	CLAMP/T-BOLT 1-5/8	2
16	079098	PLATE/TOP SIZE 2 TWIN FLAT	1
17	50351217	HOSE/HYDRAULIC	1
18	50351227	HOSE/HYD PILOT PRESSURE	1
19	50351229 a	VALVE/MANUAL HIGH FLOW	1
20	50351230	TUBE/HYD DRAIN	1
21	50351244	HOSE/HYDRAULIC	1
22	50351247	HOSE/HYDRAULIC	1
23	50352474 a	GEAR PUMP 36 + 17	1
24	50352784	FITTING/45° HB20-MAORB20	1
25	50352978	TUBE/HYDRAULIC HIGH FLOW	1
26	50352987	TUBE/HYDRAULIC HIGH FLOW	1
27	50353133	HOSE/PRESSURE 3/4 X 18	1
28	50353361	HOSE/SUCTION 11.00	1
29	50657014	SCREW/CAP 1/2 X 1-3/8	2
30	652040	BOLT/CARRIAGE 5/16 X 2-1/2	1
31	654030	WASHER/LOCK 1/2	2

a) For breakdown see “Section B” of this manual.

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High-Flow Auxiliary Hydraulics

Dual Hand Controls



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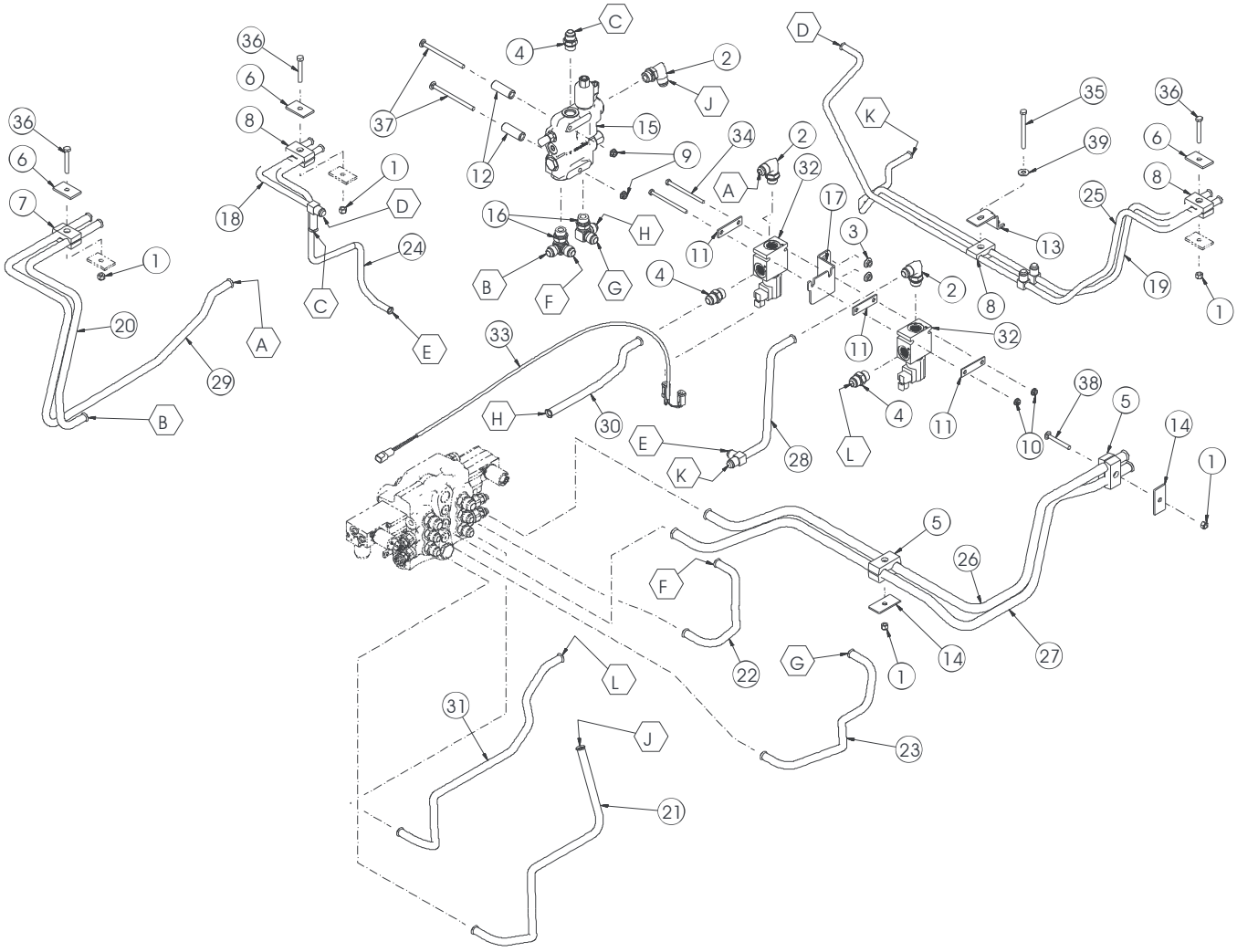
Ref. No.	Part No.	Description	Dual Hand High-Flow Qty
1	054819	FITTING/STRAIGHT MJ12-MORB10	2
2	054820	FITTING/TEE RUN MJ06-MAORB06-MJ06	1
3	054994	FITTING/STRAIGHT MJ06-MORB06	4
4	055005	FITTING/90° MJ12-MAORB12	2
5	064260	NUT/HEX LOCK 5/16	1
6	068938	FITTING/90° MJ06-MAORB06	1
7	072580	FITTING/STRAIGHT MJ10-MORB10	4
8	072587	FITTING/STRAIGHT MJ12-MORB12	4
9	076587	SCREW/CAP HEX FLANGE LOCKING 5/16 X 5/8	4
10	079097	CLAMP/TUBE 3/4 TWIN	1
11	079098	PLATE/TOP SIZE 2 TWIN FLAT	1
12	080556	CAP FJ06	1
13	140883	FITTING/90° LL MJ12-MAORB12	1
14	193709	HOSE/PRESSURE 3/4 X 23-1/2	1
15	194210	HOSE/PRESSURE 3/8 X 28-1/2	1
16	194732	FITTING/90° LL MJ06-MAORB06	2
17	195112	CLAMP/T-BOLT 1-5/8	2
18	50351078 a	VALVE/4-SPOOL PILOT CONTROL	1
19	50351217	HOSE/HYDRAULIC	1
20	50351227	HOSE/HYD PILOT PRESSURE	1
21	50351230	TUBE/HYD DRAIN	1
22	50351247	HOSE/HYDRAULIC	1
23	50352474 a	GEAR PUMP 36 + 17	1
24	50352784	FITTING/45° HB20-MAORB20	1
25	50352978	TUBE/HYDRAULIC HI-FLOW	1
26	50352987	TUBE/HYDRAULIC HI-FLOW	1
27	50353133	HOSE/PRESSURE 3/4 X 18	1
28	50353361	HOSE/SUCTION 11.00	1
29	50657014	SCREW/CAP 1/2 X 1-3/8	2
30	652040	BOLT/CARRIAGE 5/16 X 2-1/2	1
31	654030	WASHER/LOCK 1/2	2

a) For breakdown see “Section B” of this manual.

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T-Bar Controls

with Self-Leveling



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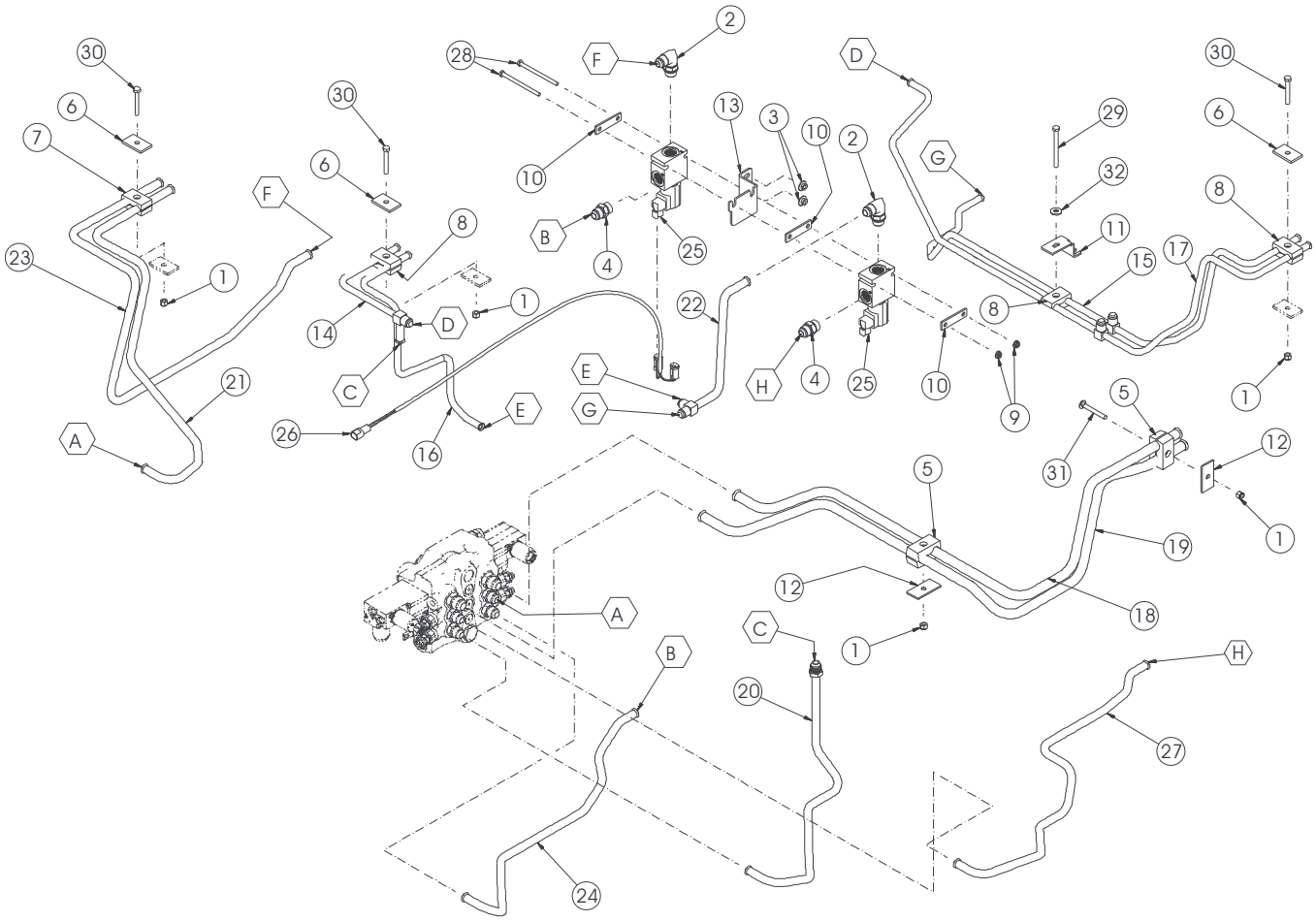
Ref. No.	Part No.	Description	w/ Self-Level T-Bar Quantity
1	064260	NUT/HEX LOCK 5/16	5
2	067761	FITTING/90° MJ10-MAORB10	3
3	070648	NUT/HEX LOCK 5/16	2
4	072580	FITTING/STRAIGHT MJ10-MORB10	3
5	079097	CLAMP/TUBE 3/4 TWIN	2
6	079098	PLATE/TOP SIZE 2 TWIN FLAT	3
7	079126	CLAMP/TUBE 5/8 TWIN	1
8	088904	CLAMP/TUBE 1/2 TWIN	3
9	131842	NUT/SPIRALOCK™ 5/16	2
10	134588	NUT/SPIRALOCK™ 1/4	2
11	135331	STRAP	3
12	191763	SPACER 3/4 OD X 13/32 ID	2
13	194528	BRACKET/HARNESS	1
14	245055	PLATE/TWIN FLAT	2
15	271958 a	VALVE/SELF LEVEL W/BYPAS	1
16	50351125	FITTING/Y MJ10-MJ10-MORB10	2
17	50351131	MOUNT BRACKET/LOCK VALVE	1
18	50351150	TUBE/HYD LIFT	1
19	50351151	TUBE/HYD LIFT	1
20	50351154	TUBE/HYD TILT	1
21	50351167	TUBE/HYD LIFT	1
22	50351168	TUBE/HYD TILT	1
23	50351169	TUBE/HYD TILT	1
24	50351182	TUBE/HYD LIFT	1
25	50351183	TUBE/HYD LIFT	1
26	50351192	TUBE/HYD STD AUX	1
27	50351193	TUBE/HYD STD AUX	1
28	50351421	TUBE/HYD LIFT	1
29	50351425	TUBE/HYD TILT	1
30	50351427	TUBE/HYD TILT	1
31	50351428	TUBE/HYD LIFT	1
32	50352555 a	VALVE/SOLENOID	2
33	50352660	HARNESS/LOCK VALVE SOLENOID	1
34	650019	SCREW/CAP 1/4 X 4	2
35	650547	SCREW/CAP 5/16 X 3-1/2	1
36	650725	SCREW/CAP 5/16 X 2-1/4	3
37	651760	BOLT/CARRIAGE 5/16 X 4-3/4	2
38	652040	BOLT/CARRIAGE 5/16 X 2-1/2	1
39	654004	WASHER/FLAT 5/16	1

a) For breakdown see “Section B” of this manual.

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T-Bar Controls

without Self-Leveling



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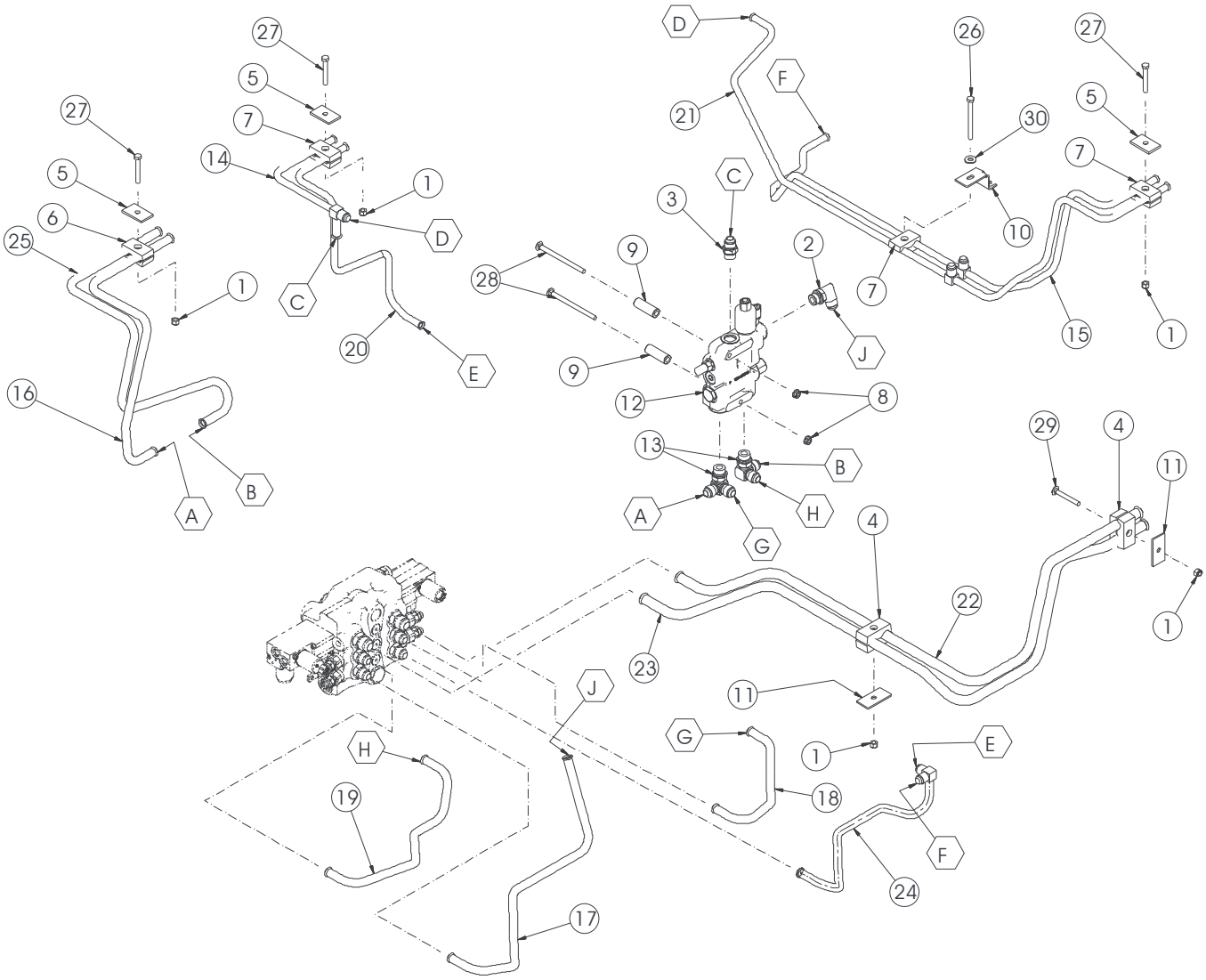
Ref. No.	Part No.	Description	w/o Self-Level T-Bar Quantity
1	064260	NUT/HEX LOCK 5/16	5
2	067761	FITTING/90° MJ10-MAORB10	2
3	070648	NUT/HEX LOCK 5/16	2
4	072580	FITTING/STRAIGHT MJ10-MORB10	2
5	079097	CLAMP/TUBE 3/4 TWIN	2
6	079098	PLATE/TOP SIZE 2 TWIN FLAT	3
7	079126	CLAMP/TUBE 5/8 TWIN	1
8	088904	CLAMP/TUBE 1/2 TWIN	3
9	134588	NUT/SPIRALOCK™ 1/4	2
10	135331	STRAP	3
11	194528	BRACKET/HARNESS	1
12	245055	PLATE/TWIN FLAT	2
13	50351131	MOUNT BRACKET/LOCK VALVE	1
14	50351150	TUBE/HYD LIFT	1
15	50351151	TUBE/HYD LIFT	1
16	50351182	TUBE/HYD LIFT	1
17	50351183	TUBE/HYD LIFT	1
18	50351192	TUBE/HYD STD AUX	1
19	50351193	TUBE/HYD STD AUX	1
20	50351205	TUBE/HYD LIFT	1
21	50351207	TUBE/HYD TILT	1
22	50351421	TUBE/HYD LIFT	1
23	50351425	TUBE/HYD TILT	1
24	50351428	TUBE/HYD LIFT	1
25	50352555 a	VALVE/SOLENOID	2
26	50352660	HARNESS/LOCK VALVE SOLENOID	1
27	50352937	TUBE/HYD TILT	1
28	650019	SCREW/CAP 1/4 X 4	2
29	650547	SCREW/CAP 5/16 X 3-1/2	1
30	650725	SCREW/CAP 5/16 X 2-1/4	3
31	652040	BOLT/CARRIAGE 5/16 X 2-1/2	1
32	654004	WASHER/FLAT 5/16	1

a) For breakdown see “Section B” of this manual.

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Hand/Foot, Dual Hand and Dual Joystick Controls

with Self-Leveling



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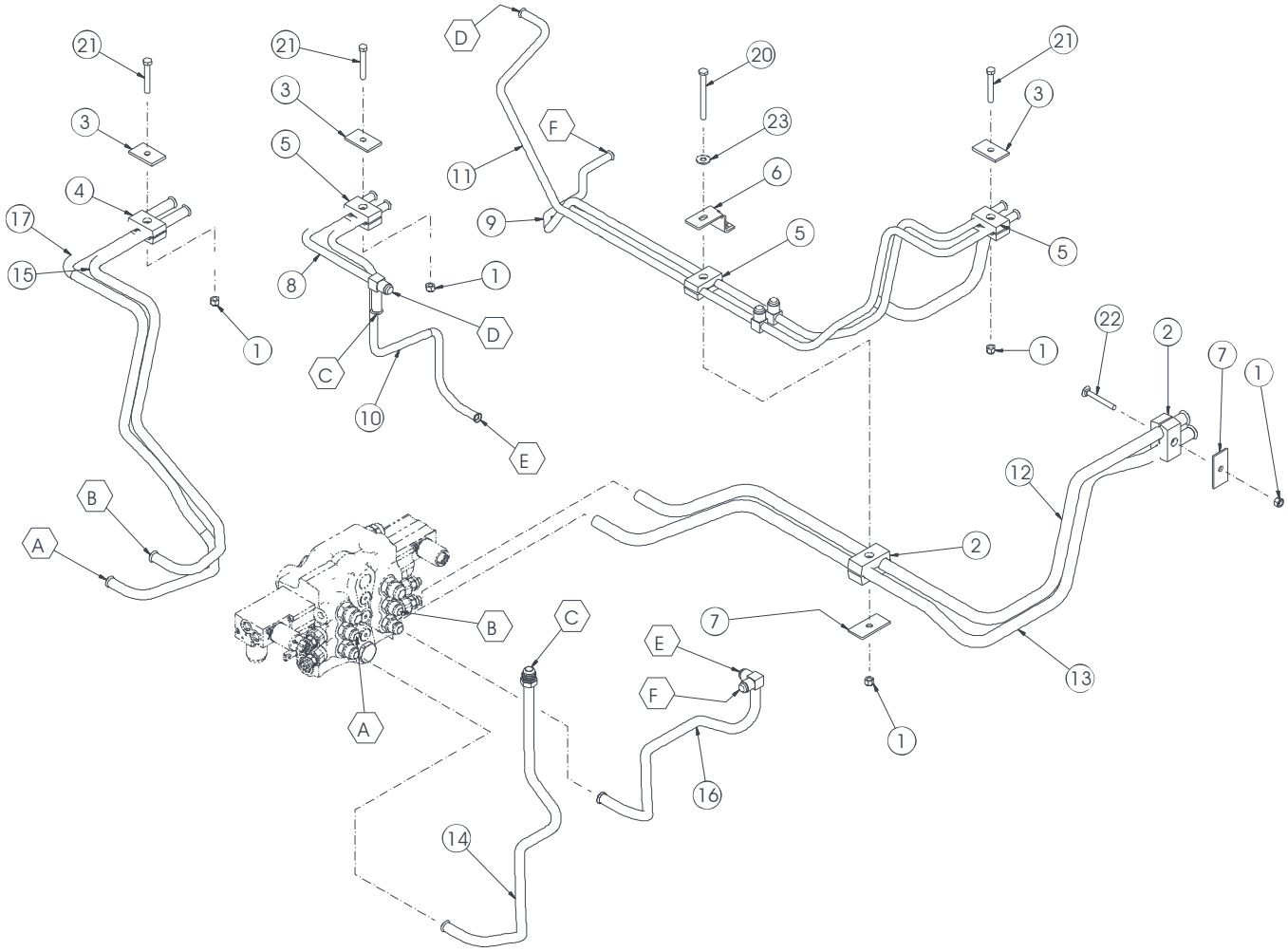
Ref. No.	Part No.	Description	w/ Self-Level H/F, DJS, DH Qty
1	064260	NUT/HEX LOCK 5/16	5
2	067761	FITTING/90° MJ10-MAORB10	1
3	072580	FITTING/STRAIGHT MJ10-MORB10	1
4	079097	CLAMP/TUBE 3/4 TWIN	2
5	079098	PLATE/TOP SIZE 2 TWIN FLAT	3
6	079126	CLAMP/TUBE 5/8 TWIN	1
7	088904	CLAMP/TUBE 1/2 TWIN	3
8	131842	NUT/SPIRALOCK™ 5/16	2
9	191763	SPACER 3/4 OD X 13/32 ID	2
10	194528	BRACKET/HARNESS	1
11	245055	PLATE/TWIN FLAT	2
12	271958 a	VALVE/SELF LEVEL W/BYPAS	1
13	50351125	FITTING/Y MJ10-MJ10-MORB10	2
14	50351150	TUBE/HYD LIFT	1
15	50351151	TUBE/HYD LIFT	1
16	50351154	TUBE/HYD TILT	1
17	50351167	TUBE/HYD LIFT	1
18	50351168	TUBE/HYD TILT	1
19	50351169	TUBE/HYD TILT	1
20	50351182	TUBE/HYD LIFT	1
21	50351183	TUBE/HYD LIFT	1
22	50351192	TUBE/HYD STD AUX	1
23	50351193	TUBE/HYD STD AUX	1
24	50351250	TUBE/HYD LIFT	1
25	50351253	TUBE/HYD TILT	1
26	650547	SCREW/CAP 5/16 X 3-1/2	1
27	650725	SCREW/CAP 5/16 X 2-1/4	3
28	651760	BOLT/CARRIAGE 5/16 X 4-3/4	2
29	652040	BOLT/CARRIAGE 5/16 X 2-1/2	1
30	654004	WASHER/FLAT 5/16	1

a) For breakdown see “Section B” of this manual.

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Hand/Foot, Dual Hand and Dual Joystick Controls

without Self-Leveling



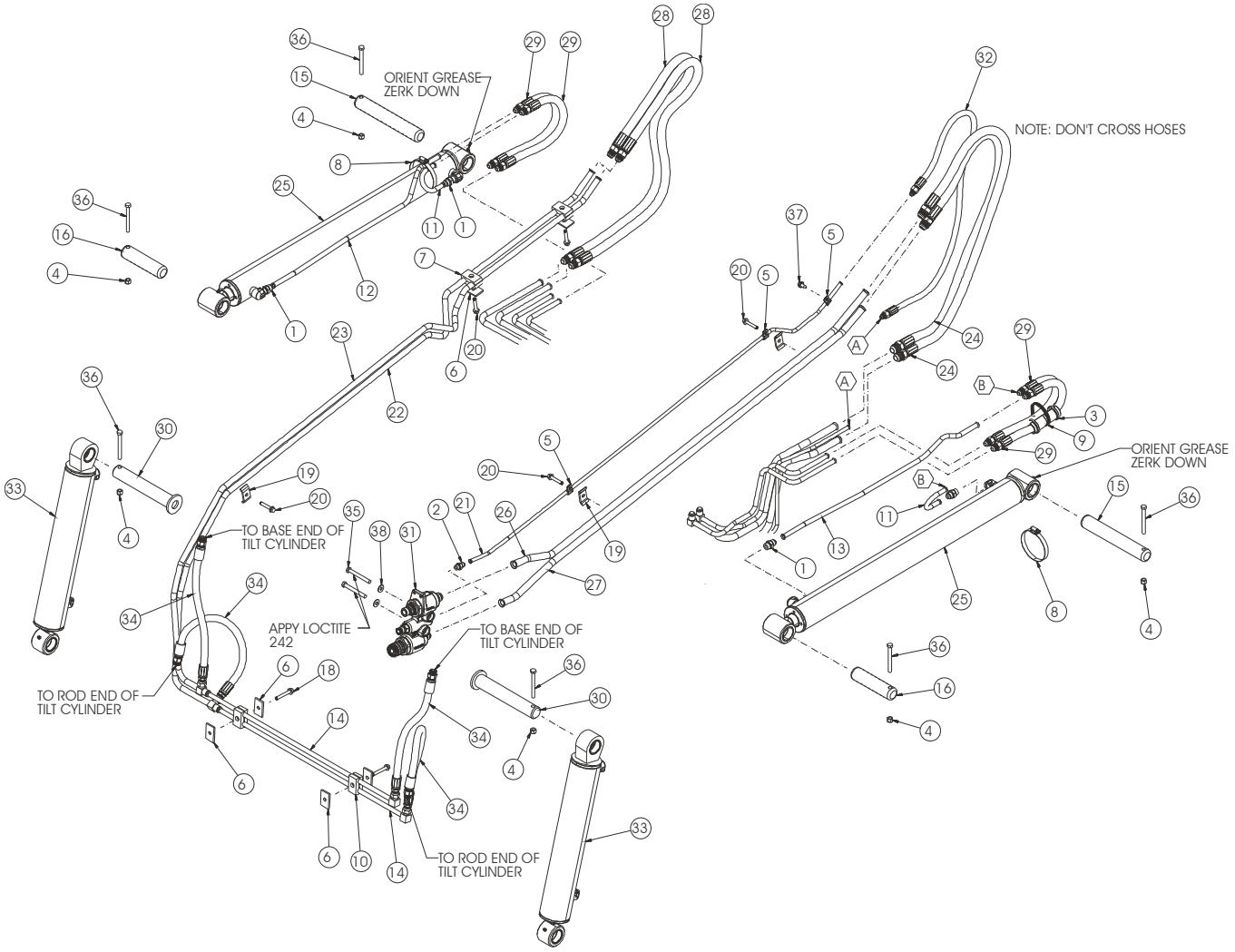
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Ref. No.	Part No.	Description	w/o Self-Level H/F, DJS, DH Qty
1	064260	NUT/HEX LOCK 5/16	5
2	079097	CLAMP/TUBE 3/4 TWIN	2
3	079098	PLATE/TOP SIZE 2 TWIN FLAT	3
4	079126	CLAMP/TUBE 5/8 TWIN	1
5	088904	CLAMP/TUBE 1/2 TWIN	3
6	194528	BRACKET/HARNESS	1
7	245055	PLATE/TWIN FLAT	2
8	50351150	TUBE/HYD LIFT	1
9	50351151	TUBE/HYD LIFT	1
10	50351182	TUBE/HYD LIFT	1
11	50351183	TUBE/HYD LIFT	1
12	50351192	TUBE/HYD STD AUX	1
13	50351193	TUBE/HYD STD AUX	1
14	50351205	TUBE/HYD LIFT	1
15	50351207	TUBE/HYD TILT	1
16	50351250	TUBE/HYD LIFT	1
17	50351260	TUBE/HYD TILT	1
20	650547	SCREW/CAP 5/16 X 3-1/2	1
21	650725	SCREW/CAP 5/16 X 2-1/4	3
22	652040	BOLT/CARRIAGE 5/16 X 2-1/2	1
23	654004	WASHER/FLAT 5/16	1

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HYDRAULICS - LIFT ARM



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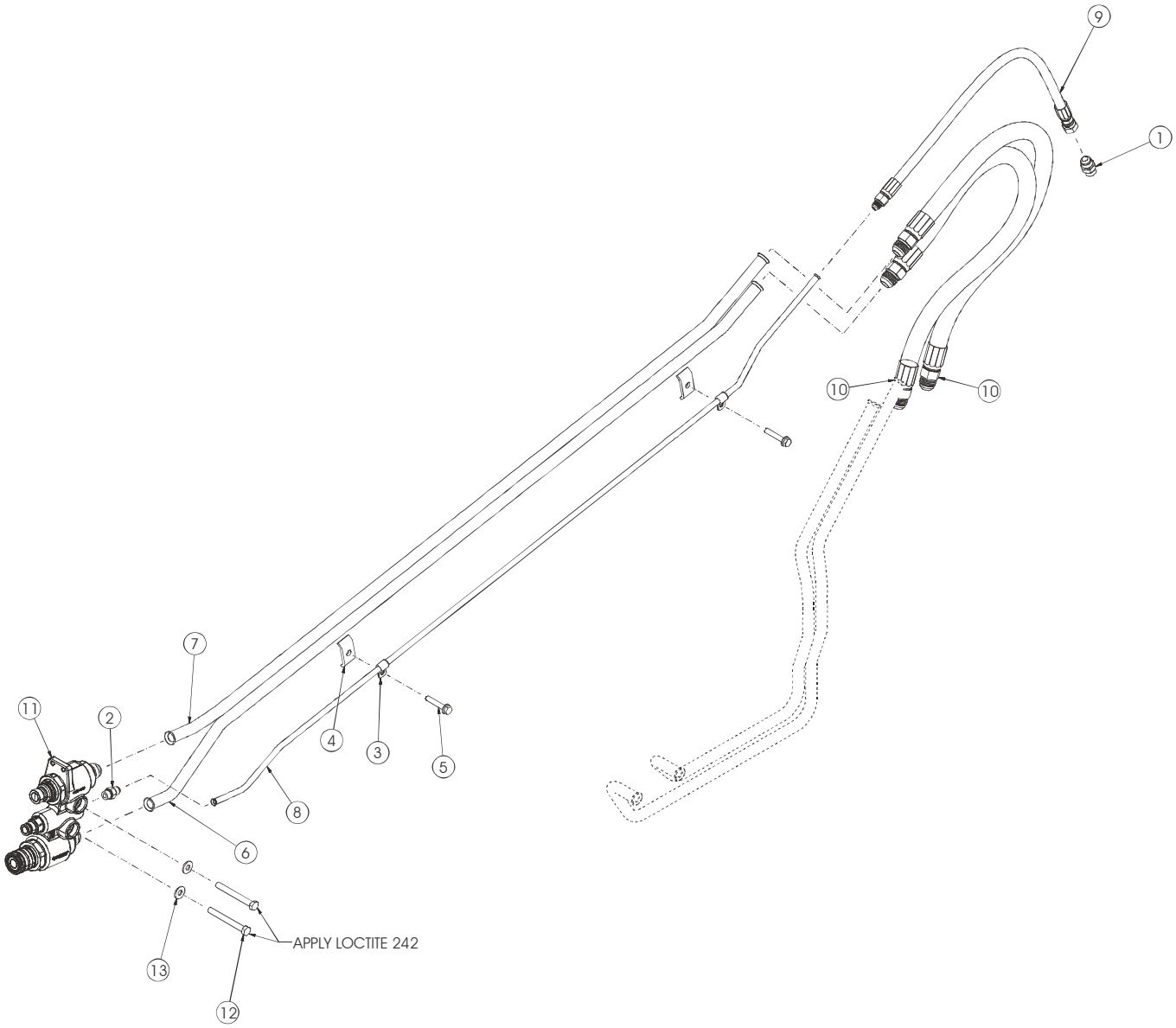
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Ref. No.	Part No.	Description	Quantity
1	054626	FITTING/STRAIGHT MJ08-MORB08	4
2	054994	FITTING/STRAIGHT MJ06-MORB06	1
3	055648	TIE/CABLE 3/16 X 7-1/2 BLACK	2
4	067847	NUT/HEX LOCK 3/8	6
5	076078	CLAMP/HOSE 3/8 X 11/32 HOLE	3
6	079098	PLATE/TOP SIZE 2 TWIN FLAT	6
7	079126	CLAMP/TUBE 5/8 TWIN	2
8	087849	CLAMP/HOSE #52	2
9	088467	TIE/CABLE 19/64 X 14-1/2	1
10	088904	CLAMP/TUBE 1/2 TWIN	2
11	134511	TUBE/LIFT	2
12	134512	TUBE/LIFT CYL RIGHT	1
13	134513	TUBE/LIFT CYL LEFT	1
14	137186	TUBE/CROSSMEMBER REAR	2
15	188056	PIN/PIVOT	2
16	188915	PIN	2
17	191775	PROTECTOR/HOSE	1
18	244572	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 2-1/4	2
19	390-15909	CLIP/HYD LINE	3
20	50351222	SCREW/TAPPING HEX WASHER HEAD THREAD FORMING 5/16 X 1-3/4	5
21	50351536	TUBE/DRAIN AUX	1
22	50351542	TUBE/TILT	1
23	50351543	TUBE/TILT UPPER	1
24	50351806	HOSE/PRESSURE 5/8 X 47-1/2	2
25	50352198 a	CYL/LIFT 2.75 X 30.14	2
26	50352438	TUBE/AUX-UPPER	1
27	50352439	TUBE/AUX LOWER	1
28	50352456	HOSE/PRESSURE 5/8 X 49	2
29	50352458	HOSE/PRESSURE 1/2 X 20	4
30	50352478	PIN/TILT CYLINDER	2
31	50352739	BLOCK/COUPLER (SERVICE PARTS INDENTED BELOW)	1
	50352909	COUPLER/MALE	1
	50352910	COUPLER/FEMALE	1
	50352912	COUPLER/RETURN	1
	50352914	KIT/FITTING 3/4 SAE	1
32	50352813	HOSE/PRESSURE 3/8 X 45	1
33	50352933 a	CYL/TILT 3.00 X 15.13	2
34	50352938	HOSE/PRESSURE 1/2 X 20	4
35	650629	SCREW/CAP 3/8 X 3-1/4	2
36	650731	SCREW/CAP 3/8 X 3-1/2	6
37	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	1
38	654004	WASHER/FLAT 5/16	2

a) For breakdown see “Section B” of this manual.

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High-Flow



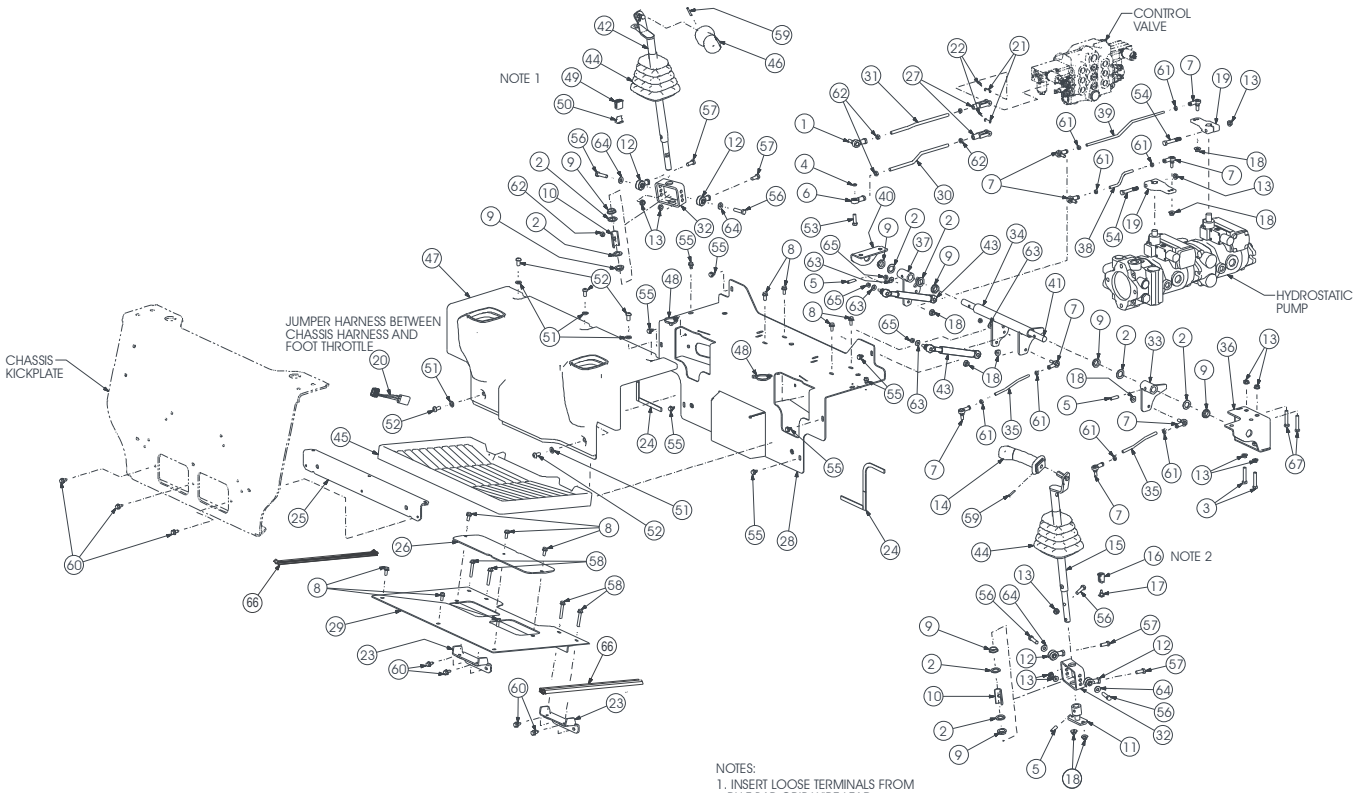
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Ref. No.	Part No.	Description	High-Flow Quantity
1	054626	FITTING/STRAIGHT MJ08-MORB08	1
2	054994	FITTING/STRAIGHT MJ06-MORB06	1
3	076078	CLAMP/HOSE 3/8 X 11/32 HOLE	2
4	390-15909	CLIP/HYD LINE	2
5	50351222	SCREW/TAPPING HEX WASHER HEAD THREAD FORMING 5/16 X 1-3/4	2
6	50351522	TUBE/AUX LOWER	1
7	50351544	TUBE/HIGH FLOW UPPER	1
8	50351545	TUBE/DRAIN HIGH FLOW	1
9	50352414	HOSE/DRAIN	1
10	50352449	HOSE 3/4 X 33-1/2	2
11	50352739	BLOCK/COUPLER (SERVICE PARTS INDENTED BELOW)	1
	50352909	COUPLER/MALE	1
	50352910	COUPLER/FEMALE	1
	50352912	COUPLER/RETURN	1
	50352914	KIT/FITTING 3/4 SAE	1
12	650629	SCREW/CAP 3/8 X 3-1/4	2
13	654004	WASHER/FLAT 5/16	2

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T-Bar Controls



NOTES:

1. INSERT LOOSE TERMINALS FROM RH T-BAR GRIP WIRE LEAD INTO CONNECTOR AS FOLLOWS:
   #1 - RED
   #2 - WHITE
   #3 - BLACK
   #4 - BROWN
   #5 - BLUE
   #6 - GREEN
   #7 - YELLOW
   #8 - GRAY
2. INSERT LOOSE TERMINALS FROM LH T-BAR GRIP WIRE LEAD INTO CONNECTOR AS FOLLOWS:
   #1 - RED
   #2 - GRAY
   #3 - BLUE
   #4 - BLACK
3. SET CONTROL LINKAGE SO THAT BOTH DRIVE AND LIFTARM CONTROL LEVERS ARE ANGLED 8 DEGREES FORWARD OF VERTICAL

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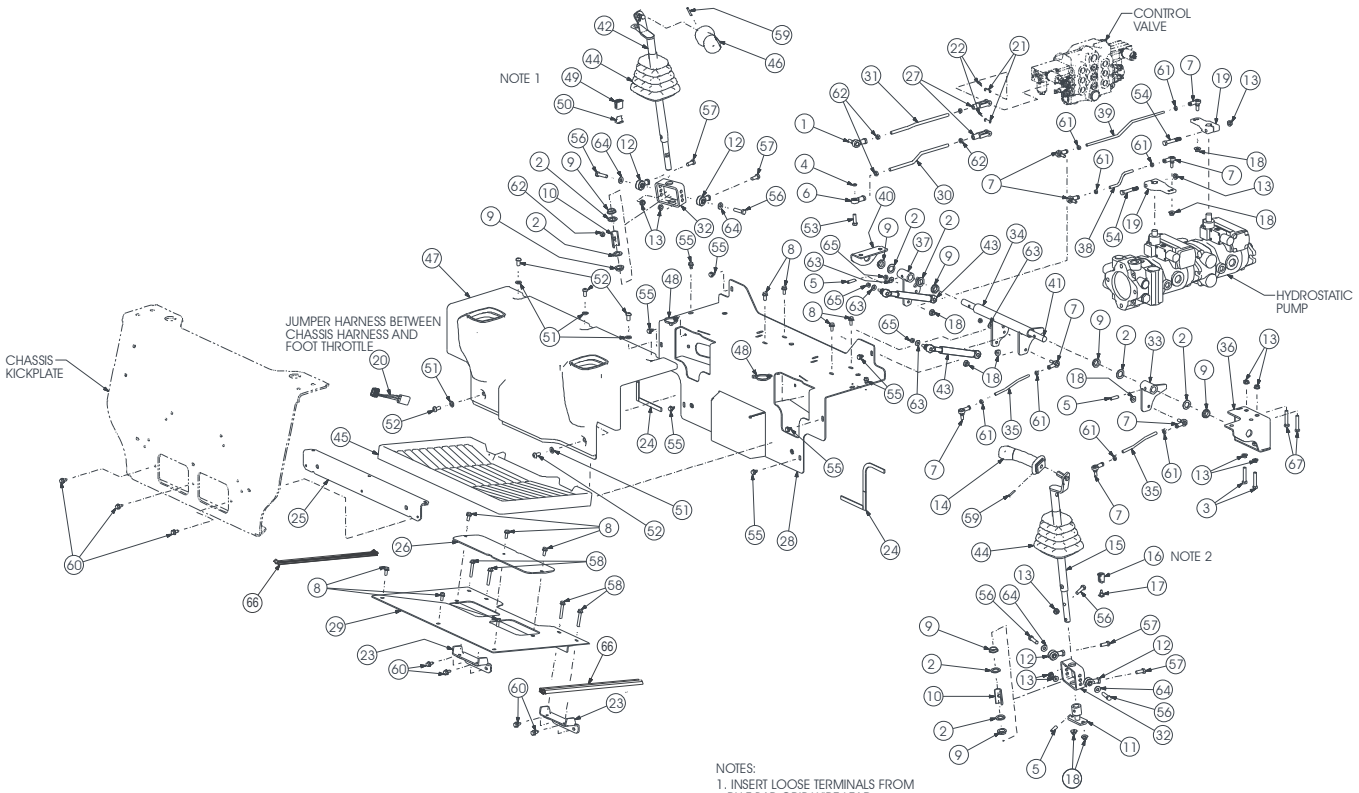
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Ref. No.	Part No.	Description	T-Bar Quantity
1	054202	JOINT/BALL	1
2	056937	WASHER/FLAT 25/32	8
3	072871	SCREW/CAP 3/8 X 2	4
4	074868	SPACER	1
5	075288	PIN/ROLL 5/16 X 1-1/4	3
6	079039	ROD END/FEMALE THREAD RIGHT 3/8	1
7	079216	STUD/FEMALE ROD END 5/16	8
8	081380	SCREW/CAP HEX FLANGE LOCKING 5/16 X 3/4	10
9	128316	BEARING/BRONZE	8
10	134327	STOP/T-BAR	2
11	134532	ASSY/PIVOT	1
12	134792	ROD END/ELASTOMERIC 3/8	4
13	134852	NUT/SPIRALOCK™ 3/8	11
14	183147	GRIP/KAWASAKI	1
15	183149	LEVER/LEFT CONTROL	1
16	184210	PLUG/DEUTSCH 4 PIN	1
17	184211	WEDGE/DEUTSCH 4 PIN	1
18	187002	NUT/HEX TOP LOCK FLANGE 5/16	8
19	189508	CONTROL ARM/ PUMP	2
20	195559	HARNESS/THROTTLE	1
21	220-28739	PIN/CLEVIS	2
22	220-32680	PIN/CLIP/RUE #8	2
23	241402	COVER/FLOORPLATE REAR	2
24	242500	SEAL	2
25	242621	BRACKET/MOUNTING FLOOR PLATE	1
26	242675	COVER/CLEAN-OUT	1
27	250-32609	YOKE	2
28	50350540	CROSSMEMBER	1
29	50350553	FLOORPLATE/MECH CT	1
30	50350593	ROD/CONTROL LIFT	1
31	50350597	ROD/CONTROL TILT	1
32	50350605	PIVOT/CONTROL LEVER	2
33	50350612	ARM/CONTROL	1

Parts Listing Continued On Next Page

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T-Bar Controls



NOTES:

1. INSERT LOOSE TERMINALS FROM RH T-BAR GRIP WIRE LEAD INTO CONNECTOR AS FOLLOWS:
   #1 - RED
   #2 - WHITE
   #3 - BLACK
   #4 - BROWN
   #5 - BLUE
   #6 - GREEN
   #7 - YELLOW
   #8 - GRAY
2. INSERT LOOSE TERMINALS FROM LH T-BAR GRIP WIRE LEAD INTO CONNECTOR AS FOLLOWS:
   #1 - RED
   #2 - GRAY
   #3 - BLUE
   #4 - BLACK
3. SET CONTROL LINKAGE SO THAT BOTH DRIVE AND LIFTARM CONTROL LEVERS ARE ANGLED 8 DEGREES FORWARD OF VERTICAL

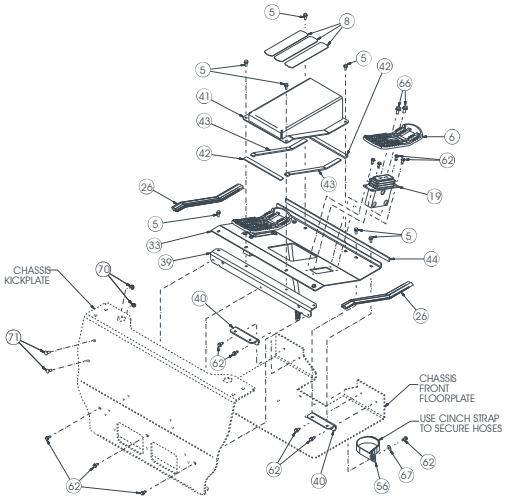
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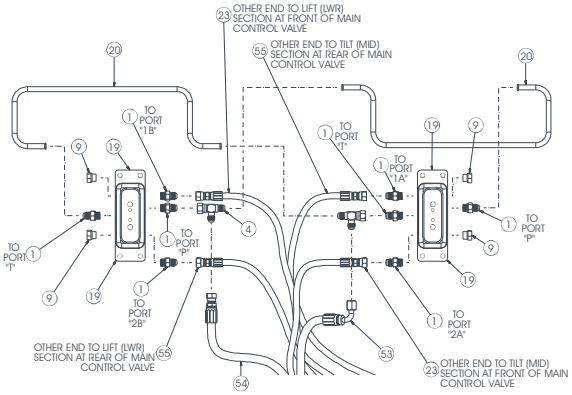
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Ref. No.	Part No.	Description	T-Bar Quantity
34	50350615	TUBE/PIVOT	1
35	50350621	CONTROL ROD/DRIVE	2
36	50350623	BRACKET/CONTROL PIVOT	1
37	50350624	ARM/CONTROL	1
38	50350626	CONTROL ROD/FWD PUMP	1
39	50350627	CONTROL ROD/REAR PUMP	1
40	50350629	BRACKET/PIVOT	1
41	50350630	SHAFT/CONTROL PIVOT	1
42	50351675	LEVER/RIGHT CONTROL	1
43	50351692	DAMPER/SELF-CENTERING	2
44	50351757	BOOT/RUBBER T-BAR	2
45	50351767	MAT/FLOOR	1
46	50351902	GRIP/CONTROL MODULATION	1
47	50352472	ASSY/COVER/T-BAR CONTROL	1
48	50352577	TIE/CABLE 3/16 X 8 BLACK FIR TREE	2
49	50352787	PLUG DT06-8S	1
50	50352788	LOCKING WEDGE/W8S	1
51	50657034	WASHER/FLAT M10	5
52	50657035	SCREW/CAP BUTTON HEAD M10 X 25 MM	5
53	650491	SCREW/CAP 3/8 X 1-14	1
54	650492	SCREW/CAP 3/8 X 2-1/2	2
55	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	8
56	650533	SCREW/CAP 3/8 X 1-1/2	5
57	650634	SCREW/CAP 3/8 X 1	4
58	651169	SCREW/CAP LOCKING 5/16 X 2	4
59	651467	PIN/ROLL M5 X 30 MM	2
60	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	7
61	653036	NUT/HEX JAM 5/16	8
62	653039	NUT/HEX JAM 3/8	5
63	654002	WASHER/FLAT 1/4	4
64	654004	WASHER/FLAT 5/16	4
65	656048	NUT/HEX M8	4

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Hand/Foot Controls

GENERAL ARRANGEMENT NOTES

FOR R190 AND 1900R LOADERS EQUIPPED WITH THE TWO-SPEED OPTION AND FOR ALL R220 AND 2200R MODELS, CONNECT HYDRAULIC PILOT HOSES FROM THE RH JOYSTICK VALVE TO THE TANDEM PUMP AS SHOWN IN THE VIEW. THAT IS:

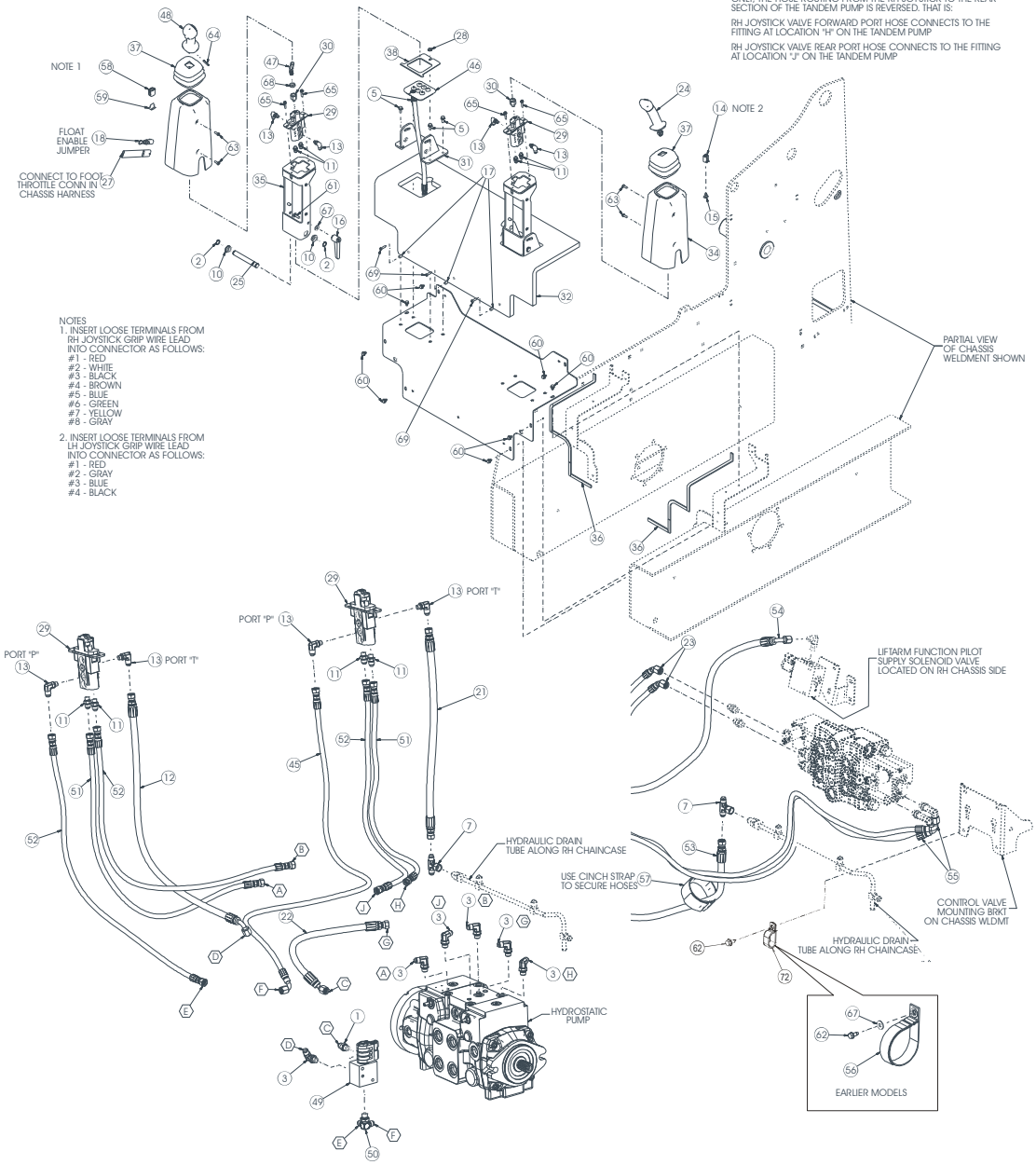
RH JOYSTICK VALVE FORWARD PORT HOSE CONNECTS TO THE FITTING AT LOCATION "J" ON THE TANDEM PUMP

RH JOYSTICK VALVE REAR PORT HOSE CONNECTS TO THE FITTING LOCATION "H" ON THE TANDEM PUMP

FOR R190 LOADERS EQUIPPED WITH THE SINGLE-SPEED OPTION ONLY, THE HOSE ROUTING FROM THE RH JOYSTICK TO THE REAR SECTION OF THE TANDEM PUMP IS REVERSED. THAT IS:

RH JOYSTICK VALVE FORWARD PORT HOSE CONNECTS TO THE FITTING AT LOCATION "H" ON THE TANDEM PUMP

RH JOYSTICK VALVE REAR PORT HOSE CONNECTS TO THE FITTING AT LOCATION "J" ON THE TANDEM PUMP



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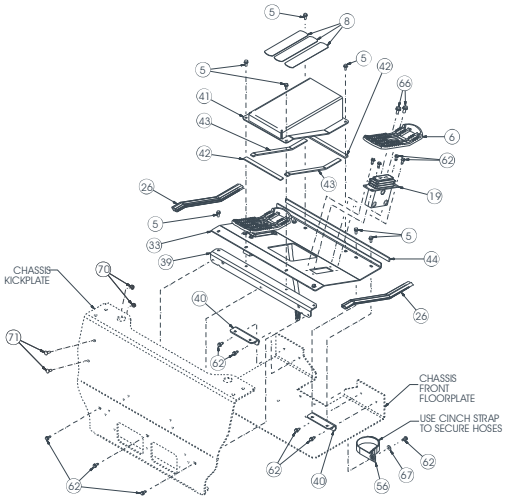
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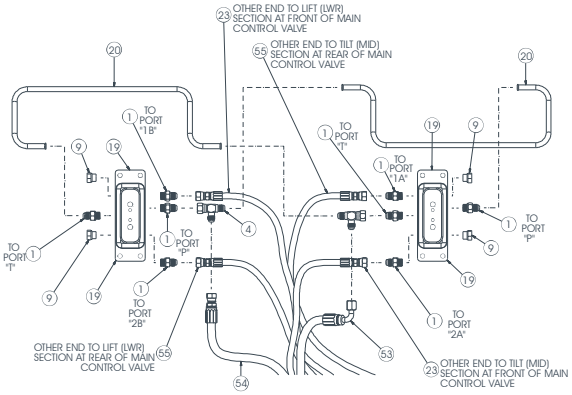
Ref. No.	Part No.	Description	H/F Quantity
1	054994	FITTING/STRAIGHT MJ06-MORB06	9
2	067950	RING/EXTERNAL RETAINING	4
3	068938	FITTING/90° MJ06-MAORB06	6
4	072806	FITTING/TEE MJ06-FJS06-MJ06	2
5	081380	SCREW/CAP HEX FLANGE LOCKING 5/16 X 3/4	18
6	090-30303	PEDAL/FOOT	2
7	095457	FITTING/TEE MJ06-MJ06-FJS06	1
8	121030	STRIP/NON-SKID SURFACE	3
9	122778	PLUG MORB06	4
10	128316	BEARING/BRONZE	4
11	129124	FITTING/STRAIGHT MJ06-MORB04	4
12	137608	HOSE/PRESSURE 3/8 X 35	1
13	137784	FITTING/90° MJ06-MAORB04	4
14	184210	PLUG/DEUTSCH 4 PIN	1
15	184211	WEDGE/DEUTSCH 4 PIN	1
16	188430	HANDLE/RATCHET	2
17	190400	SPACER	3
18	190684	ADAPTOR/FLOAT ENABLE	1
19	193335 a	VALVE/FOOT	2
20	193413	TUBE/PILOT HAND-FOOT	2
21	194376	HOSE/PRESSURE 3/8 X 24	1
22	195115	HOSE/PRESSURE 3/8 X 23	1
23	195143	HOSE 1/4 X 48-1/2	2
24	195164	KAWASAKI GRIP W/STUD	1
25	195443	PIN/TILT CONSOLE	2
26	195511	SEAL/BULB	2
27	50353913	PLUG/HARNESS	1
28	210-19469	NUT/LOCK FLANGE SERRATED 1/4	2
29	240634	VALVE/CONTROL SINGLE AXIS	2
30	240745	ADAPTER	2
31	241169	BASE/JOYSTICK	2
32	241199	COVER/CROSSMEMBER	1
33	241535	PLATE/FLOOR	1
34	242029	COVER/TOWER	2
35	242490	TOWER	2

a) For breakdown see “Section B” of this manual.

Parts Listing Continued On Next Page

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Hand/Foot Controls

GENERAL ARRANGEMENT NOTES

FOR R190 AND 1900R LOADERS EQUIPPED WITH THE TWO-SPEED OPTION AND FOR ALL R220 AND 2200R MODELS, CONNECT HYDRAULIC PILOT HOSES FROM THE RH JOYSTICK VALVE TO THE TANDEM PUMP AS SHOWN IN THE VIEW. THAT IS:

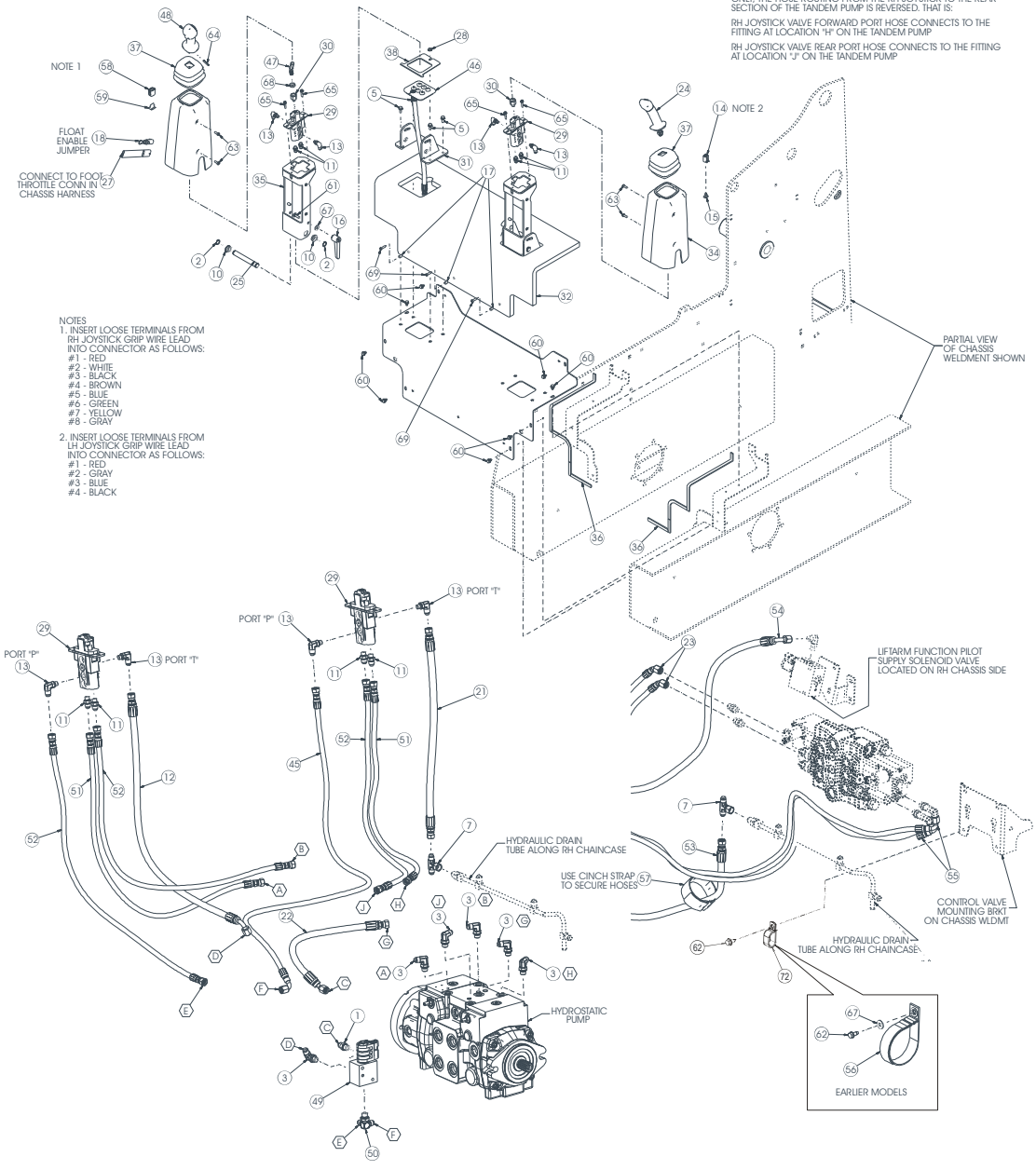
RH JOYSTICK VALVE FORWARD PORT HOSE CONNECTS TO THE FITTING AT LOCATION "J" ON THE TANDEM PUMP

RH JOYSTICK VALVE REAR PORT HOSE CONNECTS TO THE FITTING LOCATION "H" ON THE TANDEM PUMP

FOR R190 LOADERS EQUIPPED WITH THE SINGLE-SPEED OPTION ONLY, THE HOSE ROUTING FROM THE RH JOYSTICK TO THE REAR SECTION OF THE TANDEM PUMP IS REVERSED. THAT IS:

RH JOYSTICK VALVE FORWARD PORT HOSE CONNECTS TO THE FITTING AT LOCATION "H" ON THE TANDEM PUMP

RH JOYSTICK VALVE REAR PORT HOSE CONNECTS TO THE FITTING AT LOCATION "J" ON THE TANDEM PUMP



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continued from previous page

Ref. No.	Part No.	Description	R220 H/F Quantity
36	242500	SEAL	2
37	242520	BOOT/CONTROL VALVE	2
38	242616	BRACKET/GROMMET RETAINER	2
39	242622	MOUNTING/BRACKET FLOOR	1
40	242643	BRACKET/REAR FLOOR	2
41	242670	COVER/DOGHOUSE	1
42	242672	STRIP/FOAM DOGHOUSE SEAL	2
43	242673	STRIP/FOAM DOGHOUSE SEAL	2
44	242674	STRIP/FOAM FLOOR SEAL	1
45	50302080	HOSE/PRESSURE 4 X 53-1/2	1
46	50350238	GROMMET/PILOT HOSES	2
47	50351653	LEVER/JOYSTICK GRIP RIGHT	1
48	50351902	GRIP/CONTROL MODULATION	1
49	50352381 a	VALVE/JOYSTICK SUPPLY	1
50	50352494	FITTING/Y MJ06-MJ06-MORB06	1
51	50352496	HOSE/PRESSURE 1/4 X 36	2
52	50352497	HOSE/PRESSURE 1/4 X 39	3
53	50352499	HOSE/PRESSURE 3/8 X 39	1
54	50352500	HOSE/PRESSURE 3/8 X 50	1
55	50352505	HOSE/PRESSURE 1/4 X 66	2
56	50352507	STRAP/CINCH HANGING-12	1
57	50352510	STRAP/CINCH-10	1
58	50352787	PLUG DT06-8S	1
59	50352788	LOCKING WEDGE/W8S	1
60	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	8
61	650573	BOLT/CARRIAGE 5/16 X 1	2
62	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	17
63	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
64	651467	PIN/ROLL M5 X 30 MM	1
65	651660	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 1/4 X 1-1/4	4
66	651732	SCREW/CAP LOCKING M10 X 20 MM	4
67	654004	WASHER/FLAT 5/16	4
68	656066	NUT/HEX JAM M14	1
69	L70486	SCREW/TORX DRIVE TRUSS HEAD 1/4 X 1	3
70	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	2
71	650687	BOLT/CARRIAGE 5/16 X 3/4	2
72	055021	CLAMP/HOSE 3/4 X 13/32 HOLE	1

a) For breakdown see “Section B” of this manual.

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Dual Joystick Controls

GENERAL ARRANGEMENT NOTES:

FOR R190 AND 1900R LOADERS EQUIPPED WITH THE TWO-SPEED OPTION AND FOR ALL R220 AND 2200R MODELS, CONNECT HYDRAULIC PILOT HOSES FROM THE RH JOYSTICK VALVE TO THE TANDEM PUMP AS SHOWN IN THE VIEW. THAT IS:

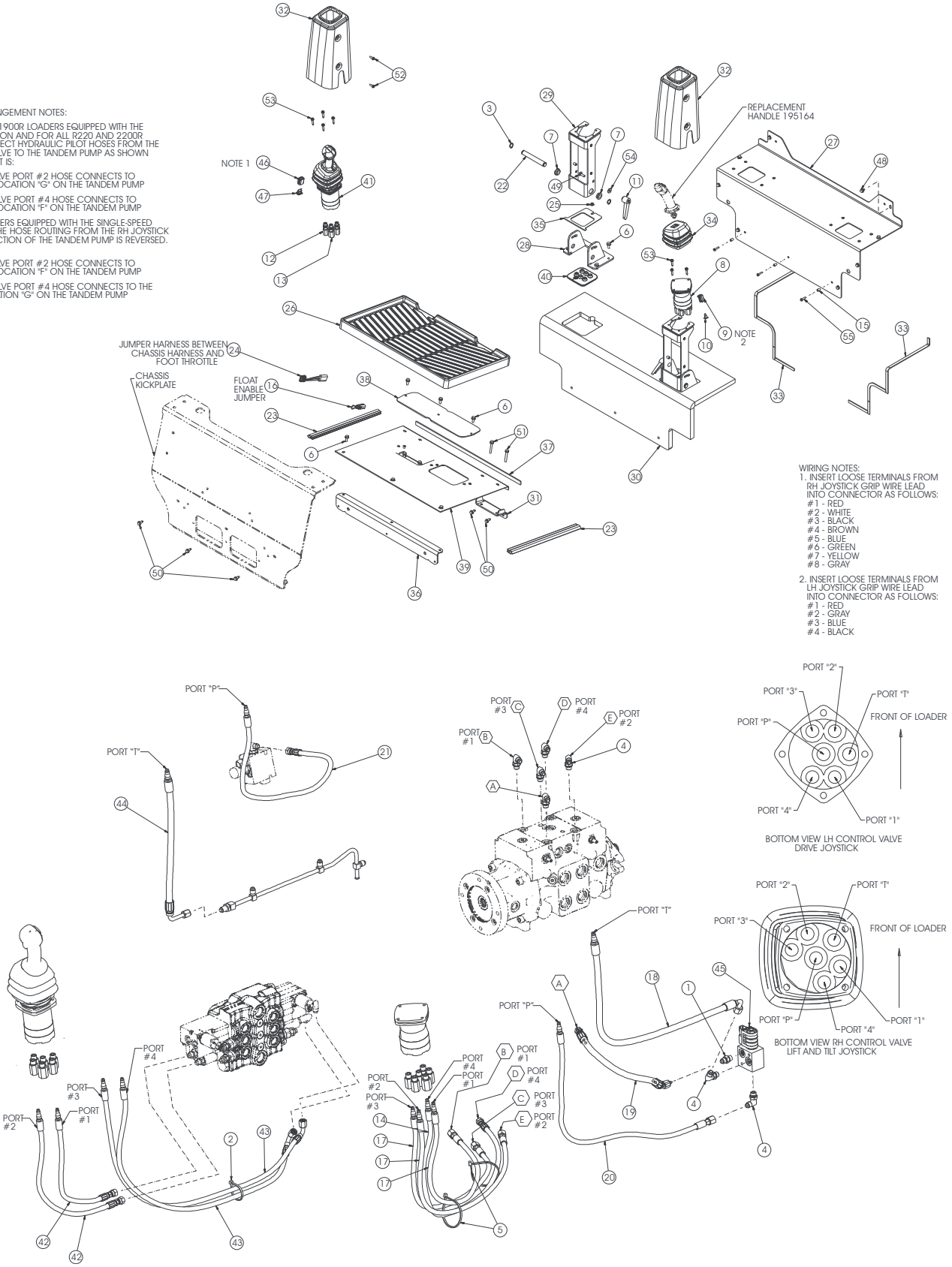
LH JOYSTICK VALVE PORT #2 HOSE CONNECTS TO THE FITTING AT LOCATION "G" ON THE TANDEM PUMP

RH JOYSTICK VALVE PORT #4 HOSE CONNECTS TO THE FITTING AT LOCATION "F" ON THE TANDEM PUMP

FOR R190 LOADERS EQUIPPED WITH THE SINGLE-SPEED OPTION ONLY, THE HOSE ROUTING FROM THE RH JOYSTICK TO THE REAR SECTION OF THE TANDEM PUMP IS REVERSED. THAT IS:

LH JOYSTICK VALVE PORT #2 HOSE CONNECTS TO THE FITTING AT LOCATION "F" ON THE TANDEM PUMP

RH JOYSTICK VALVE PORT #4 HOSE CONNECTS TO THE FITTING AT LOCATION "G" ON THE TANDEM PUMP



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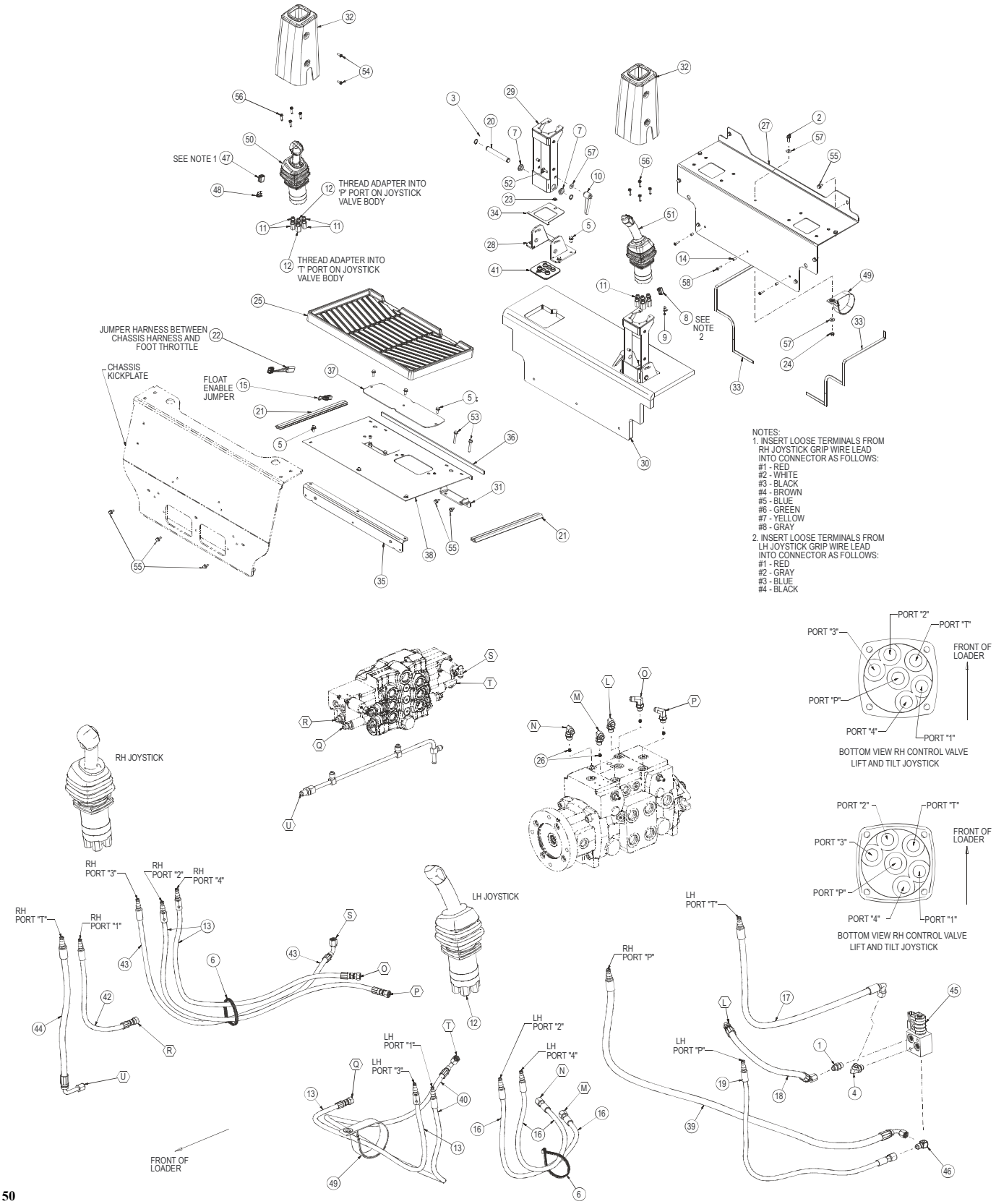
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Ref. No.	Part No.	Description	DJS Quantity
1	054994	FITTING/STRAIGHT MJ06-MORB06	1
2	055648	TIE/CABLE 3/16 X 7-1/2	1
3	067950	RING/EXTERNAL RETAINING	4
4	068938	FITTING/90° MJ06-MAORB06	7
5	074091	TIE/CABLE 3/16 X 14-1/2 BLACK	2
6	081380	SCREW/CAP HEX FLANGE LOCKING 5/16 X 3/4	14
7	128316	BEARING/BRONZE	4
8	183902	JOYSTICK/KAWASAKI/DRIVE	1
9	184210	PLUG/DEUTSCH 4 PIN	1
10	184211	WEDGE/DEUTSCH 4 PIN	1
11	188430	HANDLE/RATCHET	2
12	189192	FITTING/STRAIGHT MORB06-FQL04	10
13	189193	FITTING/STRAIGHT MORB06-FQL06	2
14	189538	HOSE AND ADAPTER/PRESSURE 1/4 X 42 (INCLUDES ITEM #12)	1
15	190400	SPACER	3
16	190684	ADAPTOR/FLOAT ENABLE	1
17	195886	HOSE AND ADAPTER/PRESSURE 1/4 X 34-1/2 (INLCUDES ITEM #12)	3
18	195888	HOSE AND ADAPTER/PRESSURE 3/8 X 37 (INCLUDES ITEM #13)	1
19	195115	HOSE/PRESSURE 3/8 X 23	1
20	195889	HOSE AND ADAPTER/PRESSURE 1/4 X 39 (INCLUDES ITEM #12)	1
21	195894	HOSE AND ADAPTER/PRESSURE 1/4 X 32 (INCLUDES ITEM #13)	1
22	195443	PIN/TILT CONSOLE	2
23	195511	SEAL/BULB	2
24	195559	HARNESS/THROTTLE	1
25	210-19469	NUT/LOCK FLANGE SERRATED 1/4	2
26	240901	MAT/FLOOR	1
27	240961	COVER/CROSSMEMBER	1
28	241169	BASE/JOYSTICK	2
29	241170	TOWER/JOYSTICK	2
30	241199	COVER/CROSSMEMBER	1
31	241402	COVER/FLOORPLATE REAR	2
32	242029	COVER/TOWER	2
33	242500	SEAL	2
34	242520	BOOT/CONTROL VALVE	1
35	242616	BRACKET/GROMMET RETAINER	2
36	242621	BRACKET/MOUNTING FLOOR PLATE	1
37	242674	STRIP/FOAM FLOOR SEAL	1
38	242675	COVER/CLEAN-OUT	1
39	242678	PLATE/FLOOR	1
40	50350238	GROMMET/PILOT HOSES	2
41	50351918 b	JOYSTICK ASSY/LIFT ARM CTRL (SERVICE PARTS INDENTED BELOW)	1
	190270	JOYSTICK/KAWASAKI	1
	242520	BOOT/CONTROL VALVE	1
	50351653	LEVER/JOYSTICK GRIP RIGHT	1
	50351902	GRIP/CONTROL MODULATION	1
	651467	PIN/ROLL 5 X 30 MM	1
	656066	NUT/HEX JAM M14	1
42	50351946	HOSE/PRESSURE 1/4 X 28	2
43	50351947	HOSE/PRESSURE 1/4 X 51	2
44	50351953	HOSE/PRESSURE 3/8 X 24	1
45	50352381 a	VALVE/JOYSTICK SUPPLY	1
46	50352787	PLUG DT06-8S	1
47	50352788	LOCKING WEDGE/W8S	1
48	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	8
49	650573	BOLT/CARRIAGE 5/16 X 1	2
50	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	7
51	651169	SCREW/CAP LOCKING 5/16 X 2	4
52	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
53	651660	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 1/4 X 1-1/4	7
54	654004	WASHER/FLAT 5/16	2
55	L70486	SCREW/TORX DRIVE TRUSS HEAD 1/4 X 1	3

a) For breakdown see “Section B” of this manual.
b) NSS - Not Sold Separately.

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Dual Hand Controls



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Ref. No.	Part No.	Description	DH Quantity
1	054994	FITTING/STRAIGHT MJ06-MORB06	1
2	064354	SCREW/CAP HEX FLANGE LOCKING 5/16 X 1	1
3	067950	RING/EXTERNAL RETAINING	4
4	068938	FITTING/90° MJ06-MAORB06	6
5	081380	SCREW/CAP HEX FLANGE LOCKING 5/16 X 3/4	14
6	088467	TIE/CABLE 19/64 X 14-1/2 BLACK	2
7	128316	BEARING/BRONZE	4
8	184210	PLUG/DEUTSCH 4 PIN	1
9	184211	WEDGE/DEUTSCH 4 PIN	1
10	188430	HANDLE/RATCHET	2
11	189192	FITTING/STRAIGHT MORB06-FQL04	9
12	189193	FITTING/STRAIGHT MORB06-FQL06	3
13	189358	HOSE AND ADAPTER/PRESSURE 1/4 X 42 (INCLUDES ITEM #11)	3
14	190400	SPACER	3
15	190684	ADAPTOR/FLOAT ENABLE	1
16	195886	HOSE AND ADAPTER/PRESSURE 1/4 X 36 (INCLUDES ITEM #11)	2
17	195888	HOSE AND ADAPTER/PRESSURE 3/8 X 37 (INCLUDES ITEM #12)	1
18	195115	HOSE/PRESSURE 3/8 X 23	1
19	195889	HOSE AND ADAPTER/PRESSURE 1/4 X 39 (INCLUDES ITEM #11)	1
20	195443	PIN/TILT CONSOLE	2
21	195511	SEAL/BULB	2
22	195559	HARNESS/THROTTLE	1
23	210-19469	NUT/LOCK FLANGE SERRATED 1/4	2
24	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	1
25	240901	MAT/FLOOR	1
26	240934	ORIFICE/SET OF 4	4
27	240961	COVER/CROSSMEMBER	1
28	241169	BASE/JOYSTICK	2
29	241170	TOWER/JOYSTICK	2
30	241199	COVER/CROSSMEMBER	1
31	241402	COVER/FLOORPLATE REAR	2
32	242029	COVER/TOWER	2
33	242500	SEAL	2
34	242616	BRACKET/GROMMET RETAINER	2
35	242621	BRACKET/MOUNTING FLOOR PLATE	1
36	242674	STRIP/FOAM FLOOR SEAL	1
37	242675	COVER/CLEAN-OUT	1
38	242678	PLATE/FLOOR	1
39	243551	HOSE/PRESSURE 3/8 X 63	1
40	243635	HOSE/PRESSURE 1/4 X 55	1
41	50350238	GROMMET/PILOT HOSES	2
42	50351946	HOSE/PRESSURE 1/4 X 28	1
43	50351947	HOSE/PRESSURE 1/4 X 51	1
44	50351953	HOSE/PRESSURE 3/8 X 24	1
45	50352381 a	VALVE/JOYSTICK SUPPLY	1
46	50352494	FITTING/Y MJ06-MJ06-MORB06	1
47	50352787	PLUG/DT06-8S	1
48	50352788	LOCKING WEDGE/W8S	1
49	50353622	STRAP/CINCH HANGING -08	1
50	50354097 b	JOYSTICK ASSY/RIGHT	1
51	50354099 b	JOYSTICK ASSY/LEFT	1
52	650573	BOLT/CARRIAGE 5/16 X 1	2
53	651169	SCREW/CAP LOCKING 5/16 X 2	4
54	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	4
55	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	15
56	651660	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 1/4 X 1-1/4	8
57	654004	WASHER/FLAT 5/16	4
58	L70486	SCREW/TORX DRIVE TRUSS HEAD 1/4 X 1	3

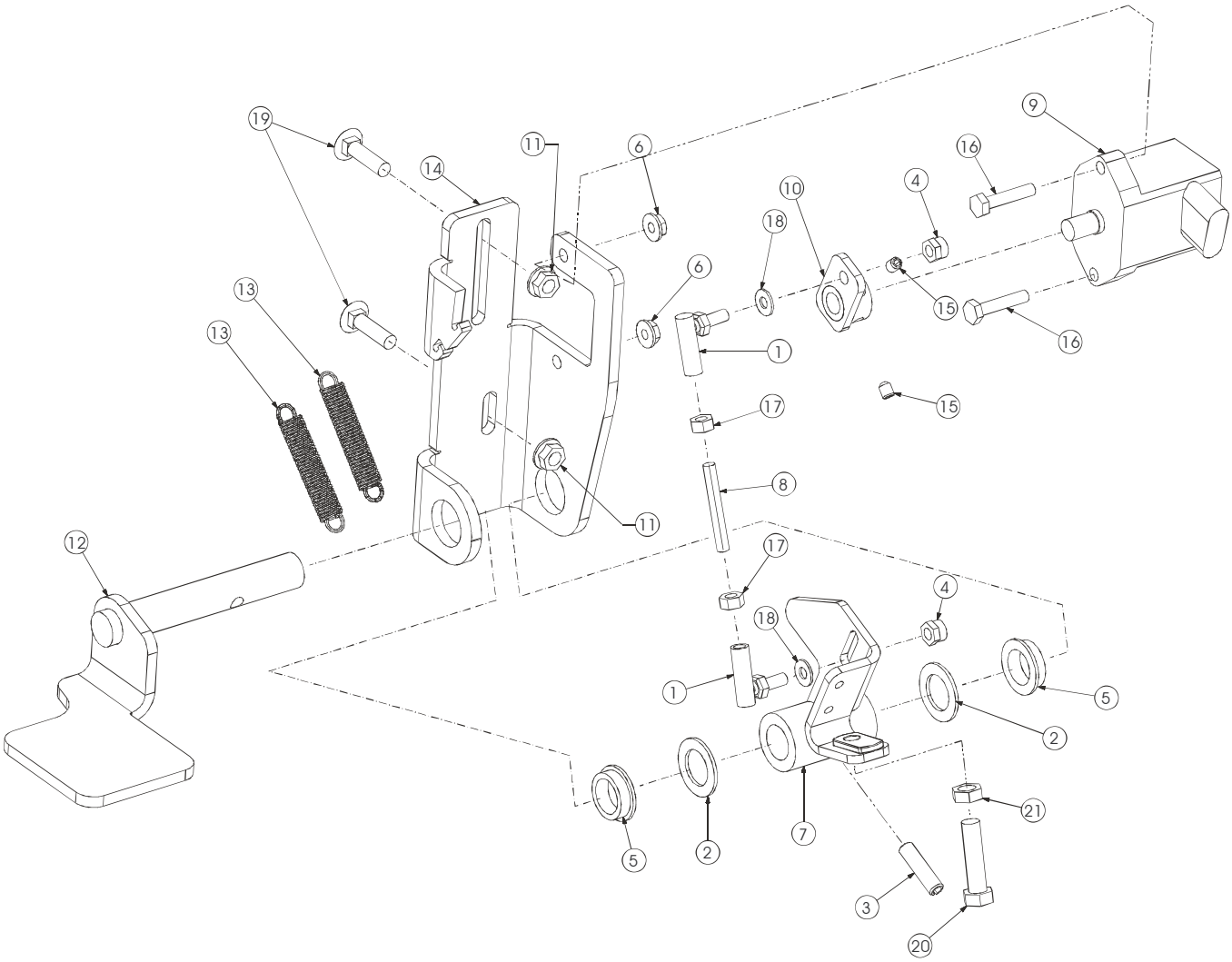
a) For breakdown see “Section B” of this manual.

b) NSS - Not Sold Separately. 50354097 service parts include: 242520 control valve boot, 50351653 joystick grip lever, 50351902 control modulation grip, 50354096 joystick pilot valve, 651467 spring pin and 656066 hex jam nut. 50354099 service parts include: 195164 kawasaki grip, 242520 control valve boot and 50354096 joystick pilot valve.

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Electric Throttle Sensor

T-Bar, Dual Hand and Dual Joystick Controls



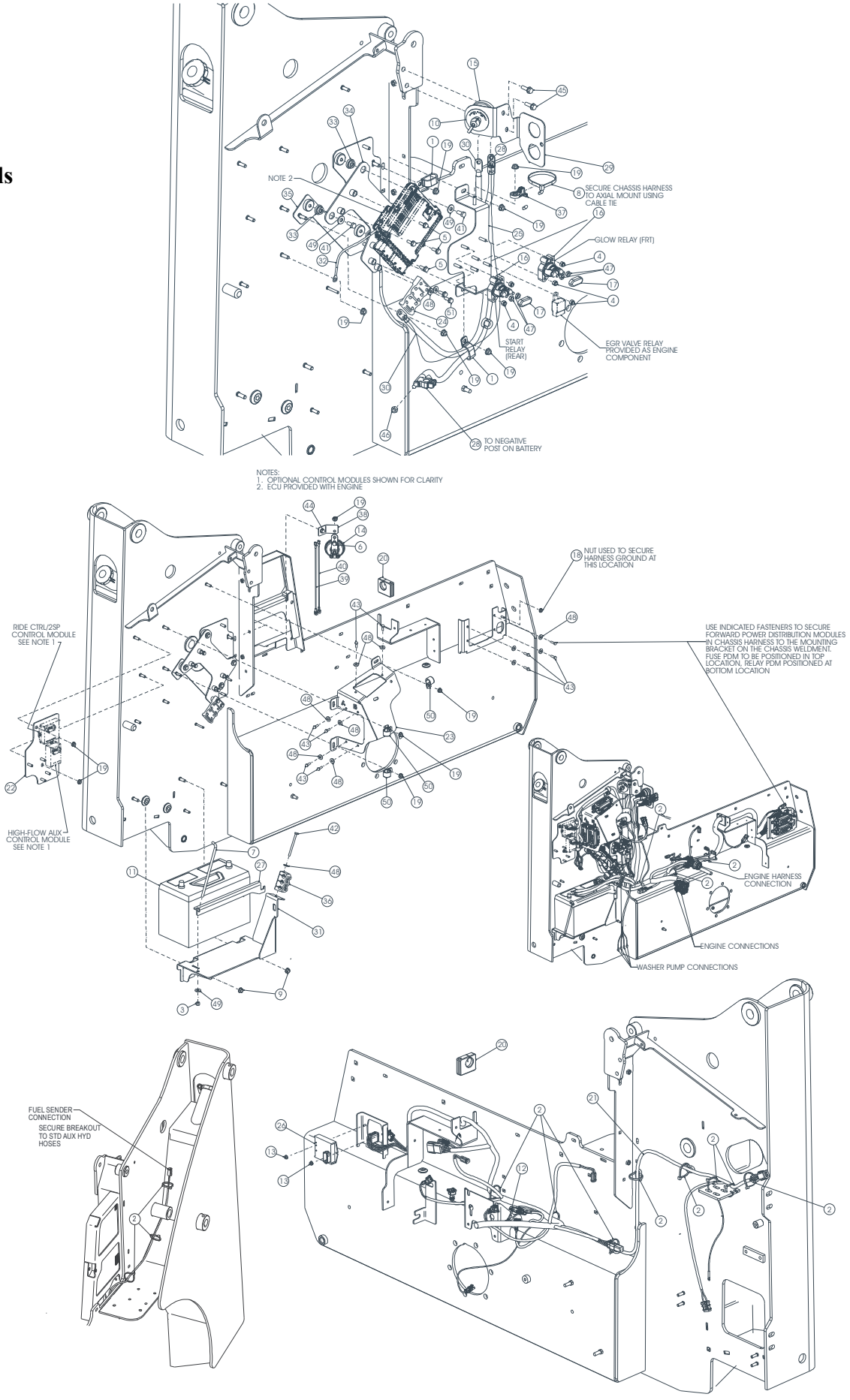
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Ref. No.	Part No.	Description	T-Bar, DJS, DH Quantity
1	054885	BALL/JOINT ASSY	2
2	056937	WASHER/FLAT 25/32	2
3	075288	PIN/ROLL 5/16 X 1-1/4	1
4	121002	NUT/HEX INST LOCK 1/4	2
5	128316	BEARING/BRONZE	2
6	134588	NUT/SPIRALOCK™ 1/4	2
7	194686	BRACKET/THROTTLE	1
8	195161	ROD/THREADED 1/4	1
9	50353984	BODY/THROTTLE	1
10	195213	LINK/THROTTLE	1
11	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	2
12	242044	PEDAL/THROTTLE	1
13	242492	SPRING	2
14	50350203	BRACKET/THROTTLE	1
15	650196	SCREW/CAP SOCKET HEAD CUP POINT 1/4 X 5/16	2
16	650426	SCREW/CAP 1/4 X 1-1/4	2
17	650546	NUT/HEX 1/4	2
18	650580	WASHER/FLAT 3/16	2
19	650745	BOLT/CARRIAGE 5/16 X 1-1/4	2
20	651347	SCREW/CAP 3/8 X 1-1/2	1
21	653038	NUT/HEX JAM 3/8	1

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DPF Models



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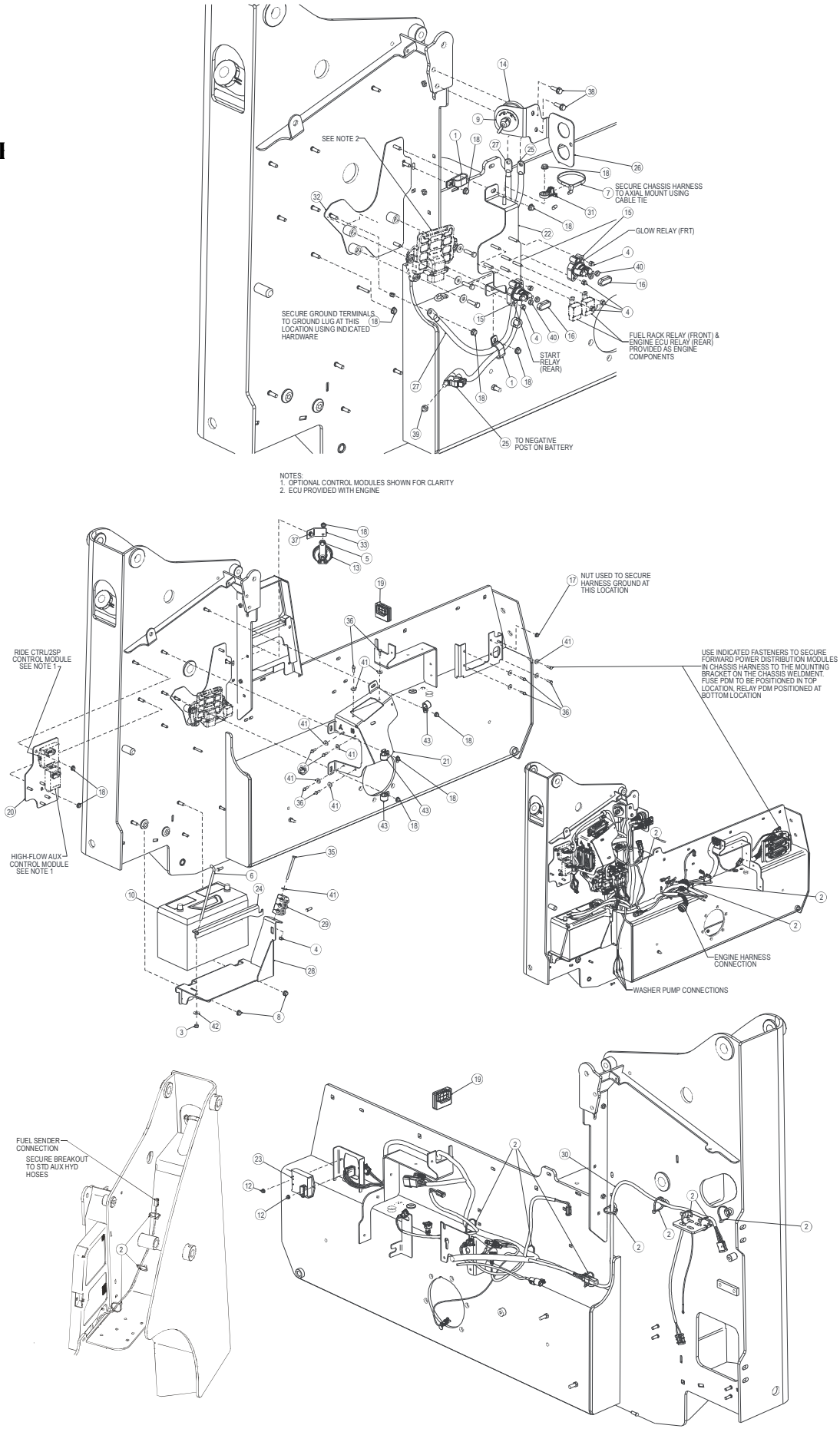
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Ref. No.	Part No.	Description	DPF Models Quantity
1	055021	CLAMP/HOSE 3/4 X 13/32 HOLE	2
2	055648	TIE/CABLE 3/16 X 7-1/2	21
3	064260	NUT/HEX LOCK 5/16	1
4	071401	NUT/HEX INST LOCK 1/4	5
5	50302018	SCREW/CAP HEX FLANGE LOCKING 1/4 X 1	4
6	076587	SCREW/CAP HEX FLANGE LOCKING 5/16 X 5/8	1
7	077685	ROD/BATTERY HOLDDOWN	1
8	088467	TIE/CABLE 19/64 X 14-1/2 BLACK	1
9	090666	NUT/LOCK SERRATED FLANGE 3/8	2
10	091667	PLATE/FACE (R220)	1
	50354518	DECAL/BATTERY DISCONNECT (R220 EU)	1
11	NSS	BATTERY/12 VDC WET GROUP 31, 950 CCA, 170 RESERVE	1
12	134852	NUT/SPIRALOCK™ 3/8	1
13	137797	NUT/WHIZLOCK SERRATED FLANGE #10	2
14	183814	HORN-WARNING	1
15	186863	SWITCH/DISCONNECT/DPOLE	1
16	193856	SOLENOID	2
17	195740	COVER/ELECTRICAL	2
18	210-19469	NUT/LOCK FLANGE SERRATED 1/4	1
19	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	12
20	240903	PLUG/PASS THROUGH	2
21	50354251 c	HARNESS/CHASSIS	1
	50350378 ab	HARNESS/CHASSIS	1
	50350319	COVER/FUSE (BLACK, GEP BOX)	AR
22	50350800	STUD PLATE/MODULE MOUNT	1
23	50350802	BRACKET/AIR CLEANER MOUNT	1
24	50350804	DUAL CLAMP/HARNESS	1
25	50350830	BRACKET/MOUNTING ELECT COMPT	1
26	50352220	MODULE/STD AUX HYDRAULIC	1
27	50352247	ANGLE/BATTERY HOLDDOWN	1
28	50352249	CABLE/BATTERY NEG 40.00	1
29	50352251	BRACKET/MOUNTING CONNECTOR	1
30	50352264	CABLE/BATTERY NEG 39.00	1
31	50352394	TRAY/BATTERY	1
32	50352452	CABLE/CASE GROUND ECU	1
33	50352751	ISOLATOR	4
34	50352756	BRACKET/ECU SUPPORT	1
35	50352771	BRACKET/MOUNTING ECU	1
36	50352842	CLAMP/CABLE TRIPLE	1
37	50353322	AXIAL MOUNT/HIGH TORQUE	1
38	50353931	BRACKET/HORN	1
39	50353937 a	HORN/LEAD GROUND	1
40	50353938 a	HORN/LEAD POWER	1
41	650486	SCREW/CAP 5/16 X 3/4	4
42	651173	SCREW/CAP 1/4 X 3-1/2	1
43	651424	SCREW/CAP M6 X 20 MM	10
44	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	1
45	651799	SCREW/CAP HEX FLANGE 5/16 X 1	2
46	653010	NUT/HEX 3/8	1
47	653034	NUT/HEX JAM 5/16	4
48	654002	WASHER/FLAT 1/4	13
49	654004	WASHER/FLAT 5/16	5
50	L570005	CLAMP/HOSE 7/8 X 13/32 HOLE	3
51	650426	SCREW/CAP 1/4 X 1/1-4	2

a) SN 173447 and Before. PN's 50353937 and 50353938 used with earlier revisions of the 50350378 chassis harness
b) SN 173448 - 173612. With Revision F of the 50350378 chassis harness, PN's 50353937 and 50353938 are unnecessary.
c) SN 173613 and Up

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Non-DPI Models



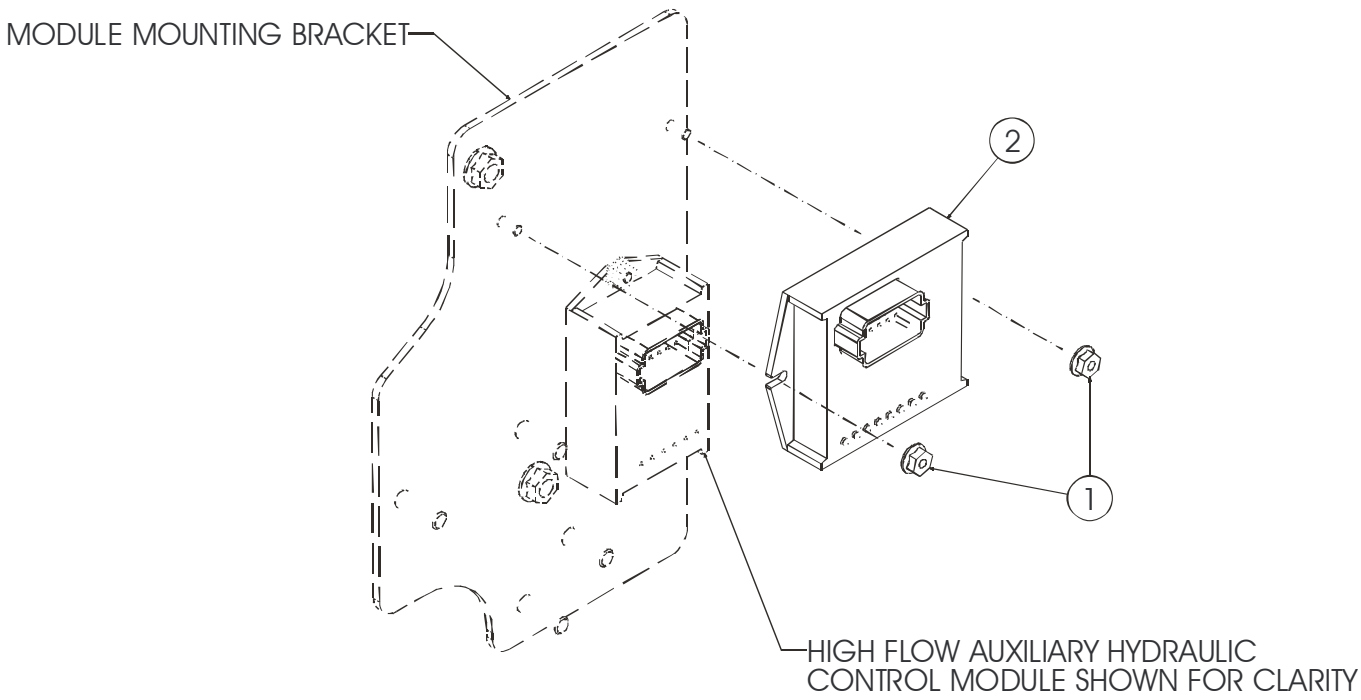
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Ref. No.	Part No.	Description	Non-DPF Models Quantity
1	055021	CLAMP/HOSE 3/4 X 13/32 HOLE	2
2	055648	TIE/CABLE 3/16 X 7-1/2	17
3	064260	NUT/HEX LOCK 5/16	1
4	071401	NUT/HEX INST LOCK 1/4	7
5	076587	SCREW/CAP HEX FLANGE LOCKING 5/16 X 5/8	1
6	077685	ROD/BATTERY HOLDDOWN	1
7	088467	TIE/CABLE 19/64 X 14-1/2 BLACK	1
8	090666	NUT/LOCK SERRATED FLANGE 3/8	2
9	50354518	DECAL/BATTERY DISCONNECT	1
10	NSS	BATTERY/12 VDC WET GROUP 31, 950 CCA, 170 RESERVE	1
11	134852	NUT/SPIRALOCK™ 3/8	1
12	137797	NUT/WHIZLOCK SERRATED FLANGE #10	2
13	183814	HORN-WARNING	1
14	186863	SWITCH/DISCONNECT/DPOLE	1
15	193856	SOLENOID	2
16	195740	COVER/ELECTRICAL	2
17	210-19469	NUT/LOCK FLANGE SERRATED 1/4	1
18	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	12
19	240903	PLUG/PASS THROUGH	2
20	50350800	STUD PLATE/MODULE MOUNT	1
21	50350802	BRACKET/AIR CLEANER MOUNT	1
22	50350830	BRACKET/MOUNTING ELECT COMPT	1
23	50352220	MODULE/STD AUX HYDRAULIC	1
24	50352247	ANGLE/BATTERY HOLDDOWN	1
25	50352249	CABLE/BATTERY NEG 40.00	1
26	50352251	BRACKET/MOUNTING CONNECTOR	1
27	50352264	CABLE/BATTERY NEG 39.00	1
28	50352394	TRAY/BATTERY	1
29	50352842	CLAMP/CABLE TRIPLE	1
30	50353187	HARNESS/CHASSIS	1
	50350319	COVER/FUSE (BLACK, GEP BOX)	AR
31	50353322	AXIAL MOUNT/HIGH TORQUE	1
32	50353507	BRACKET/MATING ECU	1
33	50353931	BRACKET/HORN	1
34	650545	SCREW/CAP 5/16 X 1-1/4	3
35	651173	SCREW/CAP 1/4 X 3-1/2	1
36	651424	SCREW/CAP M6 X 20 MM	10
37	651648	SCREW/TAPPING HEX WASHER HEAD THREAD ROLL 5/16 X 3/4	1
38	651799	SCREW/CAP HEX FLANGE 5/16 X 1	2
39	653010	NUT/HEX 3/8	1
40	653034	NUT/HEX JAM 5/16	4
41	654002	WASHER/FLAT 1/4	11
42	654004	WASHER/FLAT 5/16	4
43	L570005	CLAMP/HOSE 7/8 X 13/32 HOLE	3

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Hydraglide™ Ride Control/Two-Speed Assembly



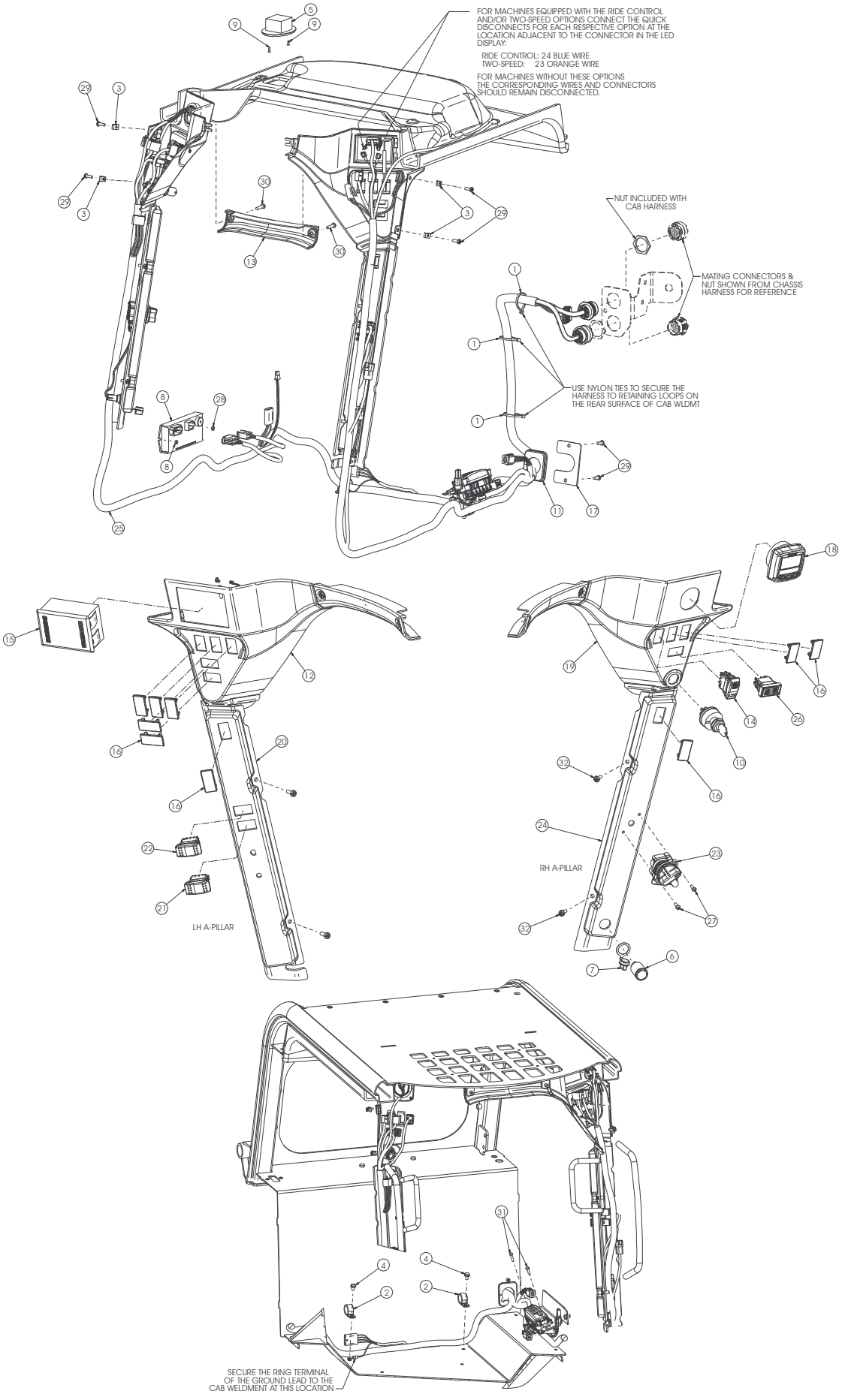
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Ref. No.	Part No.	Description	Quantity
1	137797	NUT/WHIZLOCK SERRATED FLANGE #10	2
2	240632	MODULE/2SP/RIDE CONTROL	1

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DPF Models



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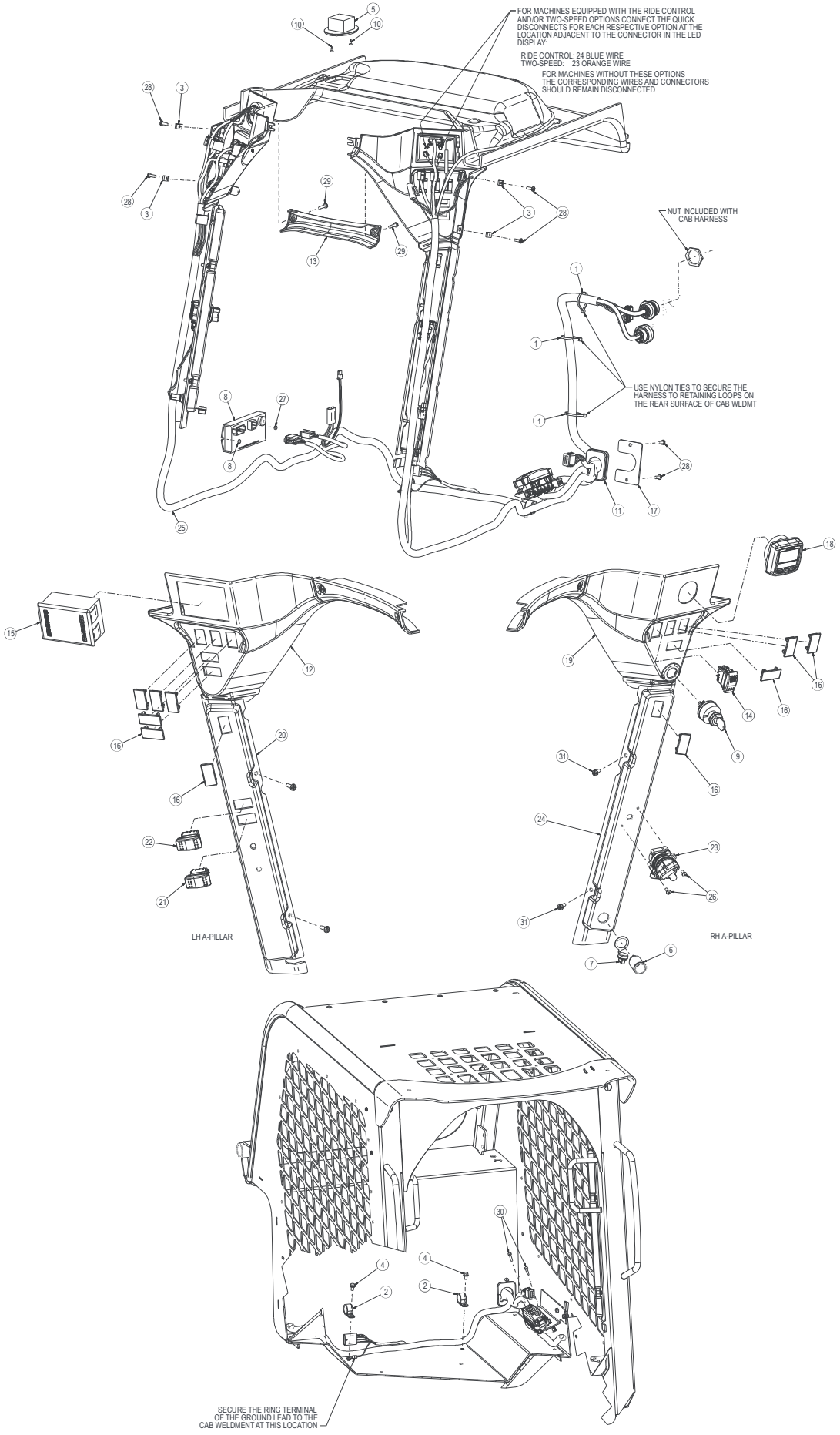
https://truckmanualshub.com/

Ref. No.	Part No.	Description	DPF Models Quantity
1	055648	TIE/CABLE 3/16 X 7-1/2	3
2	058805	CLAMP/HOSE 1-1/8 X 13/32 HOLE	2
3	067750	NUT/SPEED	4
4	081379	SCREW/CAP HEX FLANGE LOCKING 5/16 X 1/2	2
5	137497	LIGHT	1
6	137602	CONNECTOR,12V POWER PORT	1
7	137603	COVER/12V POWER PORT	1
8	137753	MODULE/CONTROL INTERLOCK	1
9	137821	SCREW/TAPPING CROSS RECESSED COUNTERSUNK HEAD #6 X 1/2	2
10	195087	SWITCH/IGNITION	1
	073694	KEYSWITCH (SET OF 2)	1
11	241142	PLUG/PASS-THROUGH	1
12	242111	PANEL/INSTRUMENT LEFT	1
13	242113	CROSSPIECE/INSTR PANEL	1
14	242291	SWITCH/PARK BRAKE	1
15	242608	DISPLAY MODULE/ANALOG	1
16	242636	PLUG/PANEL	9
17	242712	PLATE/BACKING	1
18	50350550	DISPLAY/ELECTRONIC	1
19	50350694	PANEL/INSTRUMENT RIGHT	1
20	50350696	COVER/A-PILLAR LEFT TF	1
21	50304407	SWITCH/MASTER LIGHTS	1
22	50304408	SWITCH/LIGHT SELECTOR	1
23	50351312	THROTTLE/HAND	1
	50250306	KNOB/THROTTLE	1
24	50351313	COVER/A-PILLAR RIGHT TF	1
25	50354257 b	HARNESS/CAB	1
	50351529 a	HARNESS/CAB	1
26	50351794	SWITCH/DPF REGEN	1
27	651726	SCREW/MACHINE PAN HEAD CROSS RECESSED M5 X 10 MM	2
28	650550	NUT/HEX MACHINE SCREW #10	2
29	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	6
30	651672	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1-1/8	2
31	656082	SCREW/CAP M6 X 25 MM	2
32	651307	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1/2	4

a) SN 173612 and Before
b) SN 173613 and Up

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Non-DPF Models



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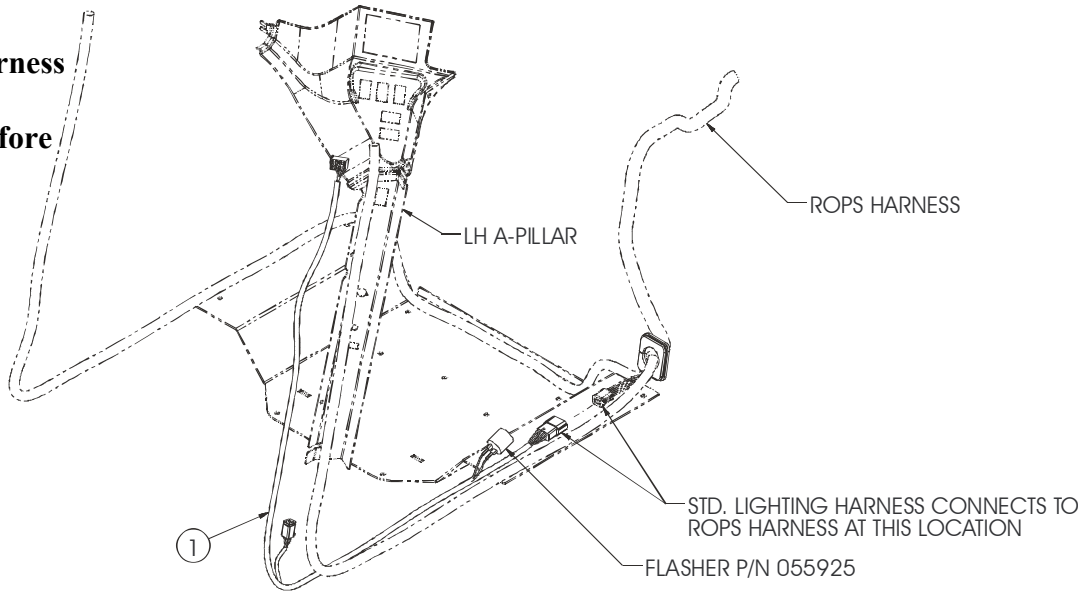
https://truckmanualshub.com/

Ref. No.	Part No.	Description	Non-DPF Models Quantity
1	055648	TIE/CABLE 3/16 X 7-1/2	3
2	058805	CLAMP/HOSE 1-1/8 X 13/32 HOLE	2
3	067750	NUT/SPEED	4
4	081379	SCREW/CAP HEX FLANGE LOCKING 5/16 X 1/2	2
5	137497	LIGHT	1
6	137602	CONNECTOR,12V POWER PORT	1
7	137603	COVER/12V POWER PORT	1
8	137753	MODULE/CONTROL INTERLOCK	1
9	195087	SWITCH/IGNITION	1
	073694	KEYSWITCH (SET OF 2)	1
10	195110	SCREW/TAPPING CROSS RECESSED COUNTERSUNK HEAD #8 X 1/2	2
11	241142	PLUG/PASS-THROUGH	1
12	242111	PANEL/INSTRUMENT LEFT	1
13	242113	CROSSPIECE/INSTR PANEL	1
14	242291	SWITCH/PARK BRAKE	1
15	242608	DISPLAY MODULE/ANALOG	1
16	242636	PLUG/PANEL	10
17	242712	PLATE/BACKING	1
18	50350550	DISPLAY/ELECTRONIC	1
19	50350694	PANEL/INSTRUMENT RIGHT	1
20	50350696	COVER/A-PILLAR LEFT TF	1
21	50304407	SWITCH/MASTER LIGHTS	1
22	50304408	SWITCH/LIGHT SELECTOR	1
23	50351312	THROTTLE/HAND	1
	50250306	KNOB/THROTTLE (SERVICE PART OF 50351312)	1
24	50351313	COVER/A-PILLAR RIGHT TF	1
25	50354257	HARNESS/CAB	1
26	50657027	SCREW/CAP BUTTON HEAD M5 X 16 MM	2
27	650550	NUT/HEX MACHINE SCREW #10	2
28	651308	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 3/4	6
29	651672	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1-1/8	2
30	656082	SCREW/CAP M6 X 25 MM	2
31	651307	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1/2	4

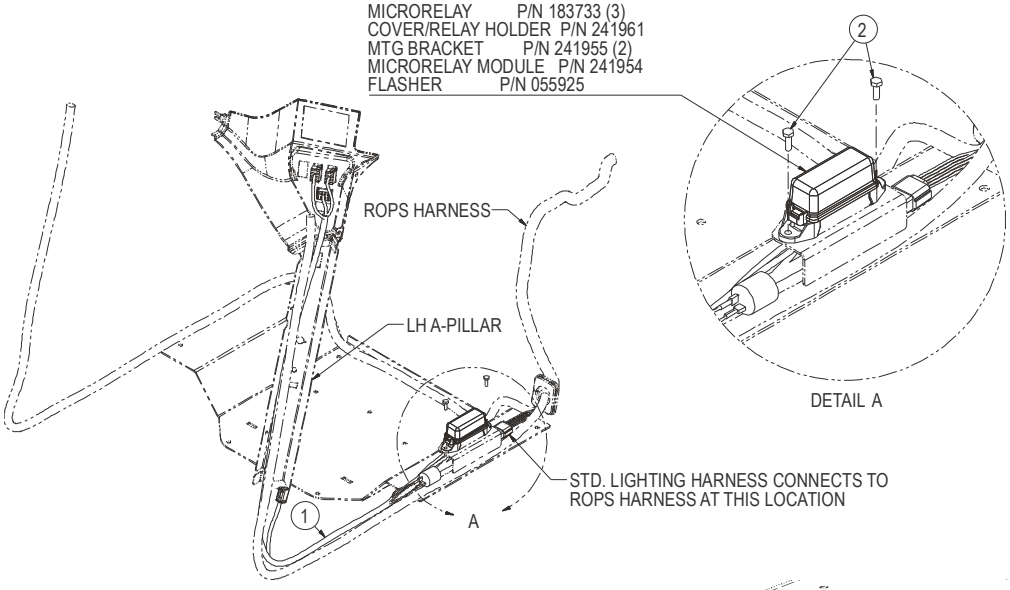
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Standard Light Harness

SN 173612 and Before

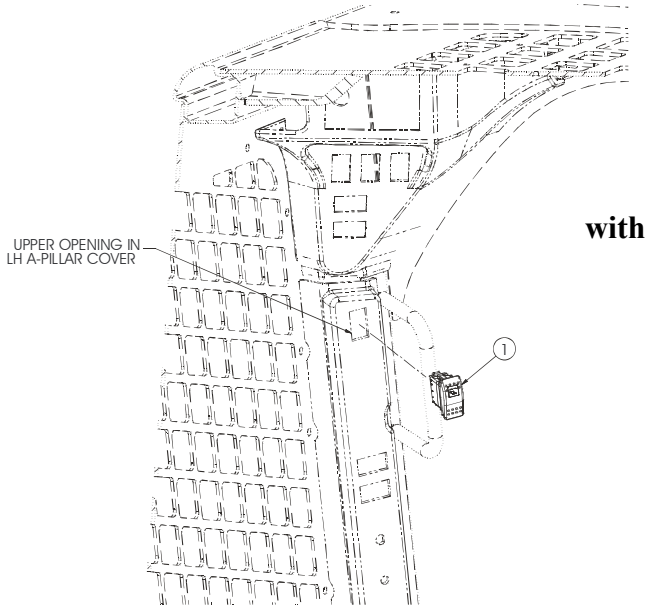


SERVICE PARTS:
MICRORELAY P/N 183733 (3)
COVER/RELAY HOLDER P/N 241961
MTG BRACKET P/N 241955 (2)
MICRORELAY MODULE P/N 241954
FLASHER P/N 055925



EU Light Harness

SN 173612 and Before



with Self-Leveling

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https://truckmanualshub.com/

Ref. No.	Part No.	Description	Quantity
1	241227 a	HARNESS/CAB STANDARD LIGHTING	1

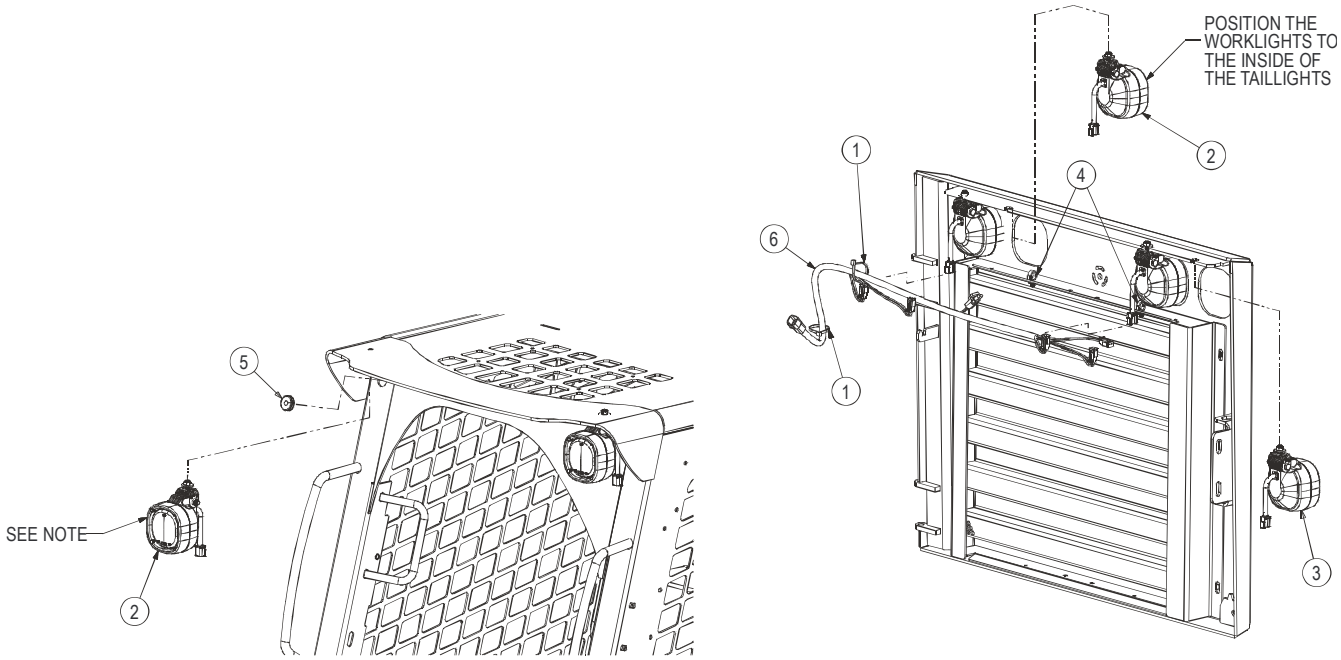
a) SN 173612 and Before

Ref. No.	Part No.	Description	Quantity
1	241178 a	HARNESS/CAB EU LIGHTING	1
2	650448 a	SCREW/CAP 1/4 X 3/4	2

a) SN 173612 and Before

Ref. No.	Part No.	Description	with Self-Level Quantity
1	271702	SWITCH/SELF LEVEL	1

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NOTES:

FORWARD WORK LIGHTS ARE TO BE INSTALLED WITH THE LIGHT HOUSING IS ANGLED 10 DEGREES DOWNWARD FROM THE HORIZONTAL AND 10 DEGREES OUT FROM CENTERLINE OF THE MACHINE.

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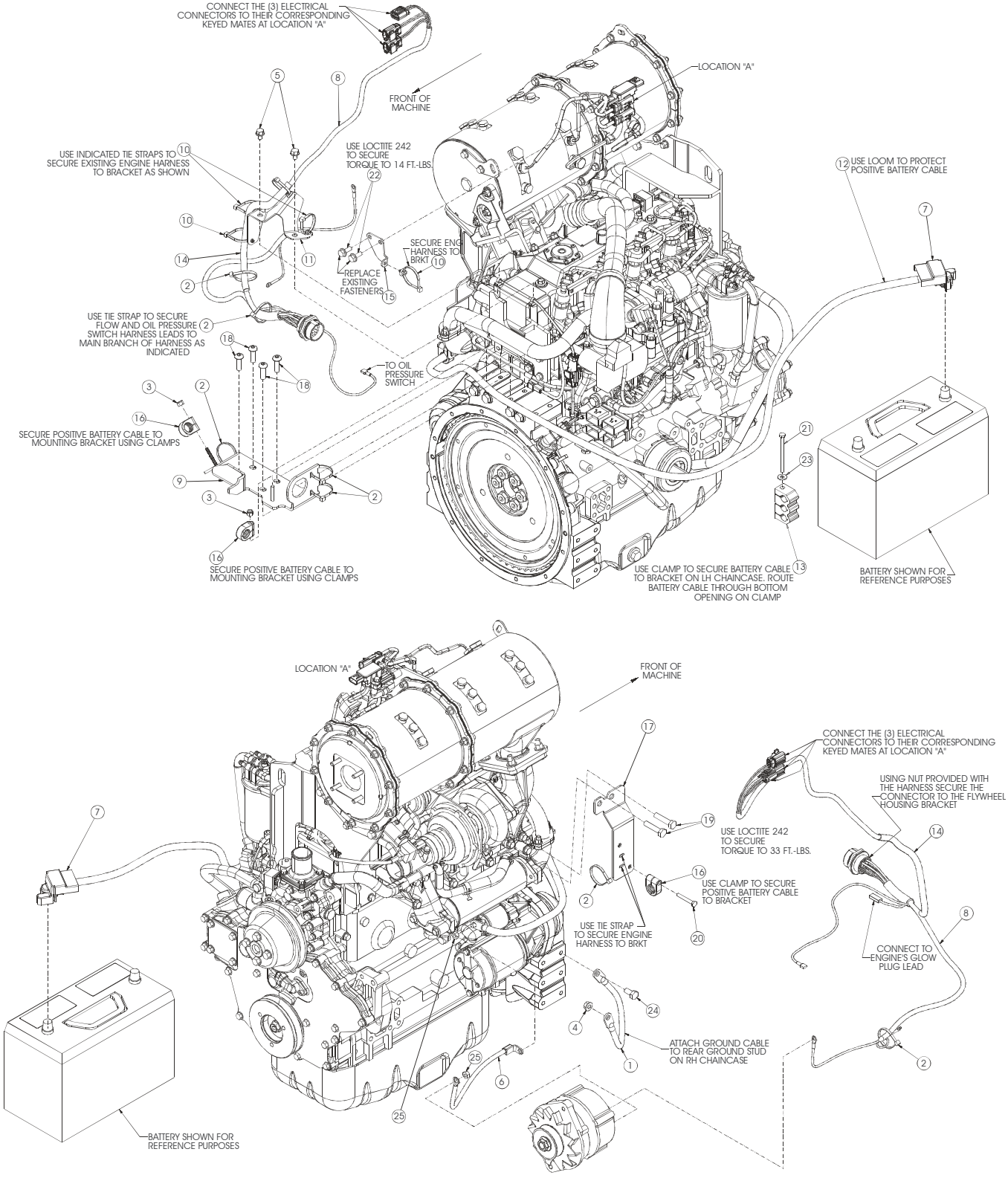
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Ref. No.	Part No.	Description	Quantity
1	074091	TIE/CABLE 3/16 X 14-1/2 BLACK	2
2	241117 a	LIGHT / WHITE / 55W	4
3	242386 b	LIGHT / RED / 35W	2
4	242553	CLIP WIRE HARNESS	2
5	242633	GROMMET/SPLIT 3/8 ID	2
6	50354203 d	HARNESS/TAILLIGHT	1
	241532 c	HARNESS/TAILLIGHT	1
	50353916	CAP/DUST DT06-6S	1

a) Order replacement 55 W bulb part number 139529.
b) Order replacement 35 W bulb part number 139530.
c) SN 173612 and Before
d) SN 173613 and Up

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DPF Models



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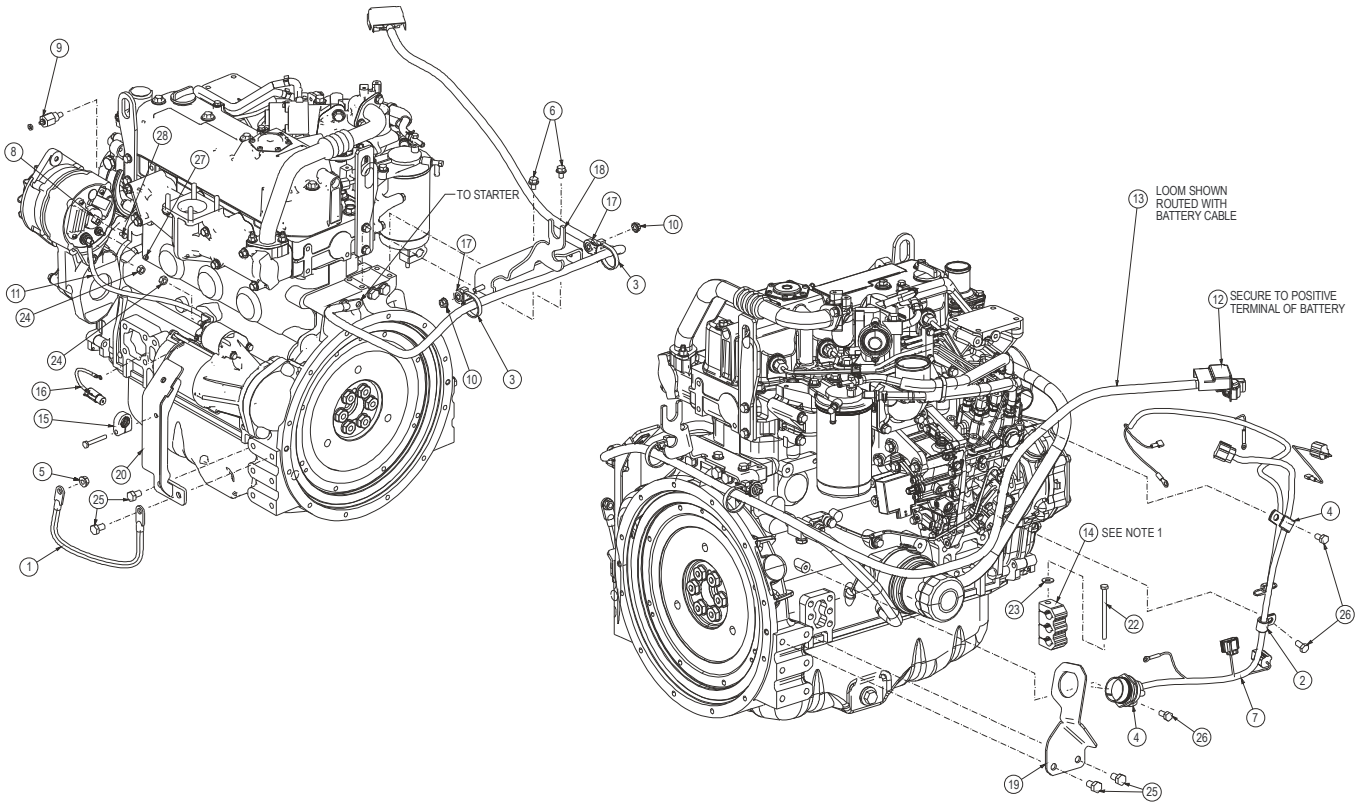
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Ref. No.	Part No.	Description	DPF Models Quantity
1	054985	CABLE/BATTERY	1
2	055648	TIE/CABLE 3/16 X 7-1/2	7
3	071401	NUT/HEX INST LOCK 1/4	2
4	134852	NUT/SPIRALOCK™ 3/8	1
5	176652	SCREW/CAP HEX FLANGE SCOTCH GRIP M8 X 12 MM	2
6	50350892	WIRE/ALTERNATOR	1
7	50350909	CABLE/POS BATT 69.00	1
8	50352146	HARNESS/ENGINE	1
9	50352336	HOUSING BRACKET/UPPER FLYWHEEL	1
10	50352577	TIE/CABLE 3/16 X 8 BLACK FIR TREE	5
11	50352696	BRACKET/ENGINE HARNESS	1
12	50352835	LOOM/BATTERY CABLE	1
13	50352842	CLAMP/CABLE TRIPLE	1
14	50352847	SLEEVE/FIBERGLASS 11.75	1
15	50353137	BRACKET/ENGINE HARNESS DPF MOUNT	1
16	50353222	CLAMP/TUBE 25/32	3
17	50353706 b	RETAINER/HARNESS	1
	50352334 a	RETAINER/HARNESS	1
18	50657024	SCREW/CAP BUTTON HEAD M10 X 20 MM	4
19	50657038	SCREW/CAP M10 X 45 MM	2
20	650419	SCREW/CAP 1/4 X 1-3/4	1
21	651173	SCREW/CAP 1/4 X 3-1/2	1
22	651689	SCREW/CAP HEX FLANGE M8 X 20 MM	2
23	654002	WASHER/FLAT 1/4	1
24	656090	SCREW/CAP M10 X 16 MM	1
25	656048	NUT/HEX M8	2

a) Engine SN 000142 and Before
b) Engine SN 000143 and Up

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Non-DPF Models



NOTES:
1. USE CLAMP TO SECURE POSITIVE BATTERY CABLE AND BATTERY POWER LEADS TO BRKT ON LH CHAINCASE
2. NATURALLY-ASPIRATE ENGINE SHOWN IN ASSEMBLY VIEWS. SAME ROUTING PRACTICES APPLY FOR TURB ENGINE INSTALLATIONS

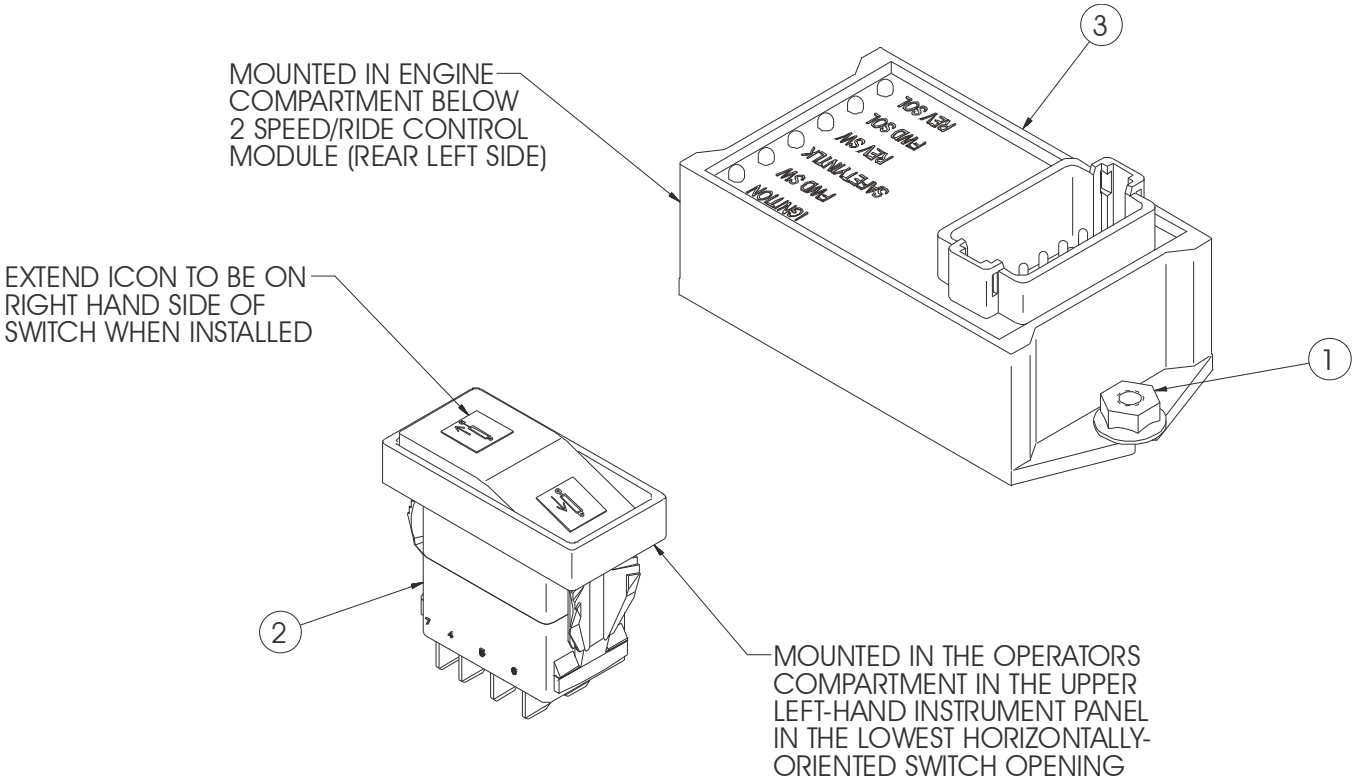
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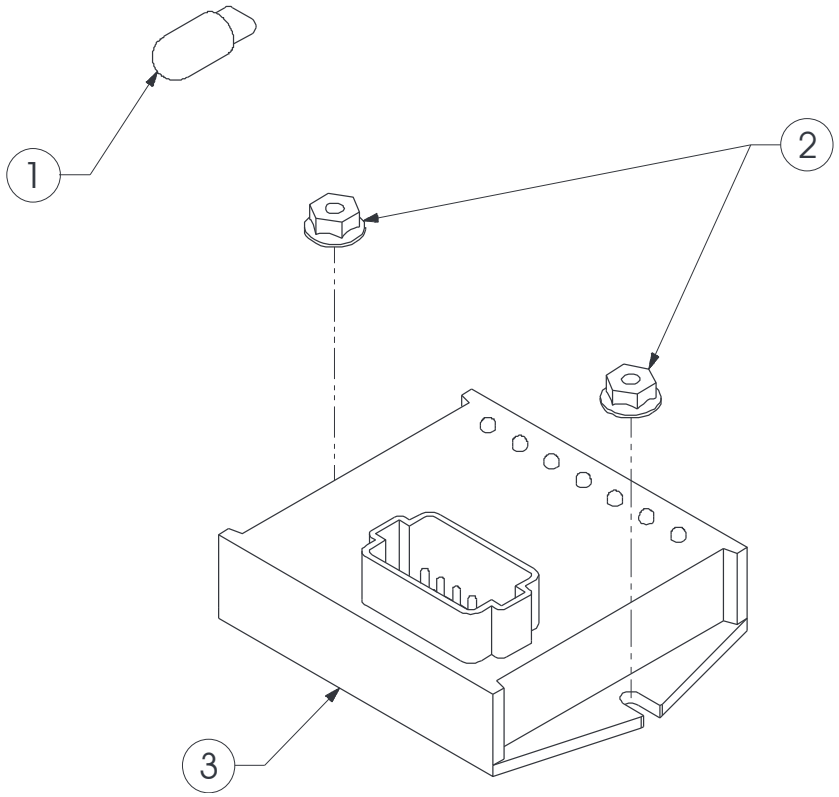
Ref. No.	Part No.	Description	Non-DPF Models Quantity
1	054985	CABLE/BATTERY	1
2	076147	CLAMP/HOSE 1/2 X 13//32 HOLE	1
3	088467	TIE/CABLE 19/64 X 14-1/2 BLACK	2
4	128007	CLAMP/HOSE 5/8 X 13/32 HOLE	2
5	134852	NUT/SPIRALOCK™ 3/8	1
6	176652	SCREW/CAP HEX FLANGE SCOTCH GRIP M8 X 12 MM	2
7	193840	HARNESS/ENGINE	1
8	194797	P-CLAMP 1/4	1
9	195009	SENDER/TEMPERATURE	1
10	210-19470	NUT/HEX FLANGE SERRATED LOCK 5/16	2
11	50350892	WIRE/ALTERNATOR	1
12	50350909	CABLE/POS BATT 69.00	1
13	50352835	LOOM/BATTERY CABLE	1
14	50352842	CLAMP/CABLE TRIPLE	1
15	50353222	CLAMP/TUBE 25/32	1
16	50353303	LEAD WIRE/STARTER	1
17	50353322	AXIAL MOUNT/HIGH TORQUE	2
18	50353552	BRACKET/UPPER FLYWHEEL	1
19	50353556	BRACKET/ENGINE HARNESS	1
20	50353599	BRACKET/ENGINE ELECTRICAL	1
21	650419	SCREW/CAP 1/4 X 1-3/4	1
22	651173	SCREW/CAP 1/4 X 3-1/2	1
23	654002	WASHER/FLAT 1/4	1
24	656048	NUT/HEX M8	2
25	656090	SCREW/CAP M10 X 16 MM	4
26	656093	SCREW/CAP M8 X 16 MM	3
27	656100	NUT/HEX M5	1
28	656163	SCREW/CAP M5 X 10 MM	1

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High Flow Control



Two-Speed Control



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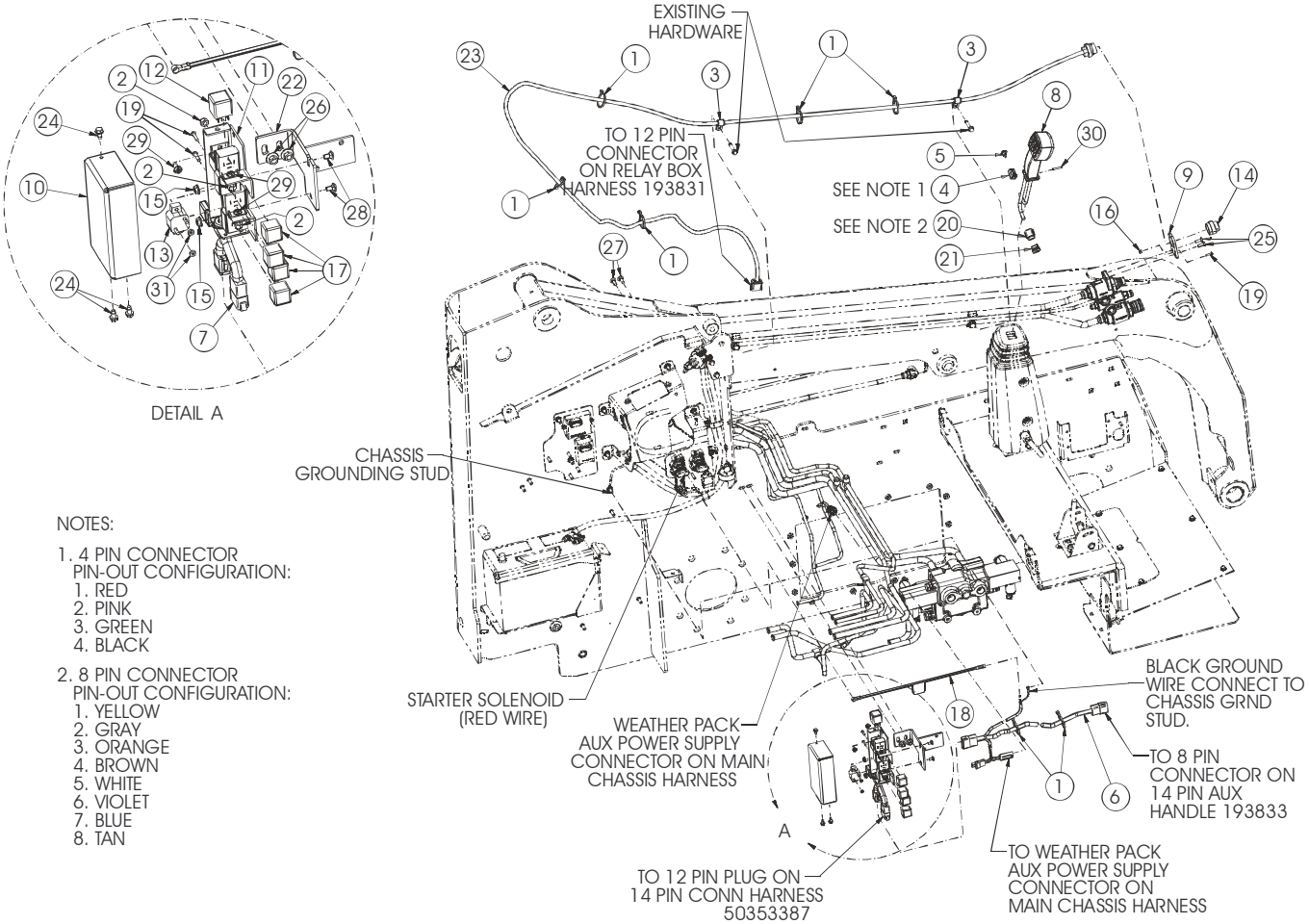
https://truckmanualshub.com/

Ref. No.	Part No.	Description	High Flow Quantity
1	137797	NUT/WHIZLOCK SERRATED FLANGE #10	2
2	242308	SWITCH/HIGH FLOW	1
3	273361	CONTROLLER/HIGH FLOW	1

Ref. No.	Part No.	Description	Two- Speed Quantity
1	128738	BULB/LAMP WEDGE	1
2	137797	NUT/WHIZLOCK SERRATED FLANGE #10	2
3	240632	MODULE/TWO-SPEED SHIFT	1

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ELECTRICAL - 14-PIN AUXILIARY CONNECTOR



NOTES:

1. 4 PIN CONNECTOR PIN-OUT CONFIGURATION:
   1. RED
   2. PINK
   3. GREEN
   4. BLACK
2. 8 PIN CONNECTOR PIN-OUT CONFIGURATION:
   1. YELLOW
   2. GRAY
   3. ORANGE
   4. BROWN
   5. WHITE
   6. VIOLET
   7. BLUE
   8. TAN

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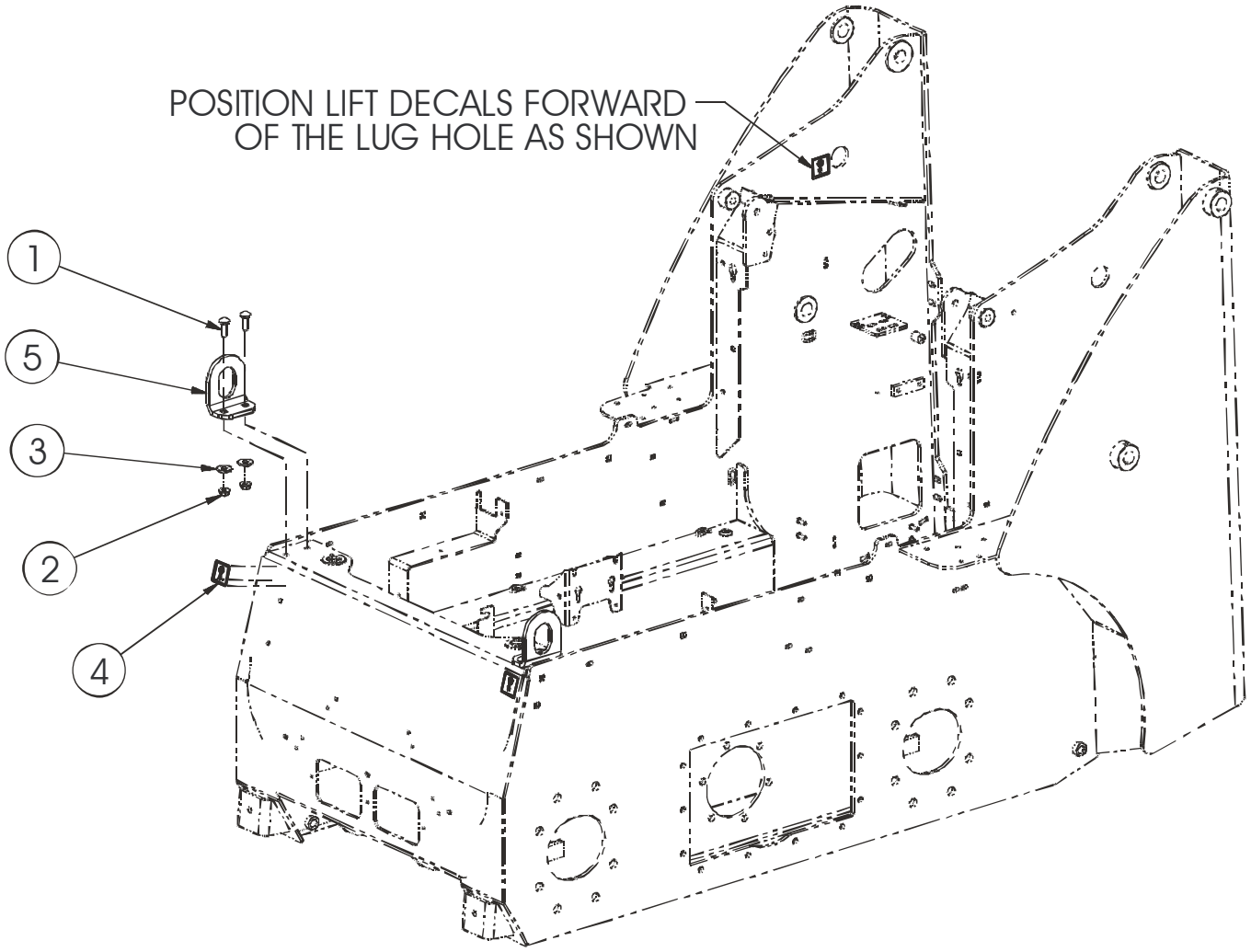
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ELECTRICAL - 14-PIN AUXILIARY CONNECTOR

Ref. No.	Part No.	Description	14-Pin Aux Quantity
1	055648	TIE/CABLE 3/16 X 7-1/2	7
2	071401	NUT/HEX INST LOCK 1/4	3
3	076147	CLAMP/HOSE 1/2 X 13//32 HOLE	2
4	184210	DEUTSCH 4 PIN PLUG	1
5	184211	DEUTSCH 4 PIN WEDGE	1
6	193828	HARNESS/14 PIN AUX	1
7	193831	HARNESS/RELAY BOX	1
8	193833	HANDLE/14 PIN AUX	1
9	193850	MOUNT/14 PIN CONNECTOR	1
10	193855	COVER/RELAY BOX	1
11	193857	CHASSIS/RELAY BOX	1
12	194146	DIODE BLOCK/8	1
13	194147	BREAKER 15 A	1
14	194507	CAP/DUST W/CHAIN	1
15	210-19469	NUT/LOCK FLANGE SERRATED 1/4	2
16	210-32183	NUT/HEX NYLON INSERT #8	1
17	242144	RELAY/SEALED	4
18	273181	FUSE/INLINE 20 A	1
19	310-32288	SCREW/MACHINE ROUND HEAD SLOT #8 X 3/4	3
20	50352787	PLUG/DT06-8S	1
21	50352788	LOCKING WEDGE/W8S	1
22	50353165	BRACKET/RELAY BOX	1
23	50353387	HARNESS/14 PIN CONN 150.00	1
24	650315	SCREW/TAPPING HEX WASHER HEAD THREAD CUTTING 1/4 X 1/2	3
25	650486	SCREW/CAP 5/16 X 3/4	2
26	650518	NUT/HEX LARGE FLANGE 5/16	2
27	650573	BOLT/CARRIAGE 5/16 X 1	2
28	650771	BOLT/CARRIAGE 1/4 X 1/2	2
29	651307	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1/2	3
30	651467	PIN/ROLL M5 X 30 MM	1
31	653000	NUT/HEX MACHINE #8	2

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FOUR-POINT LIFT



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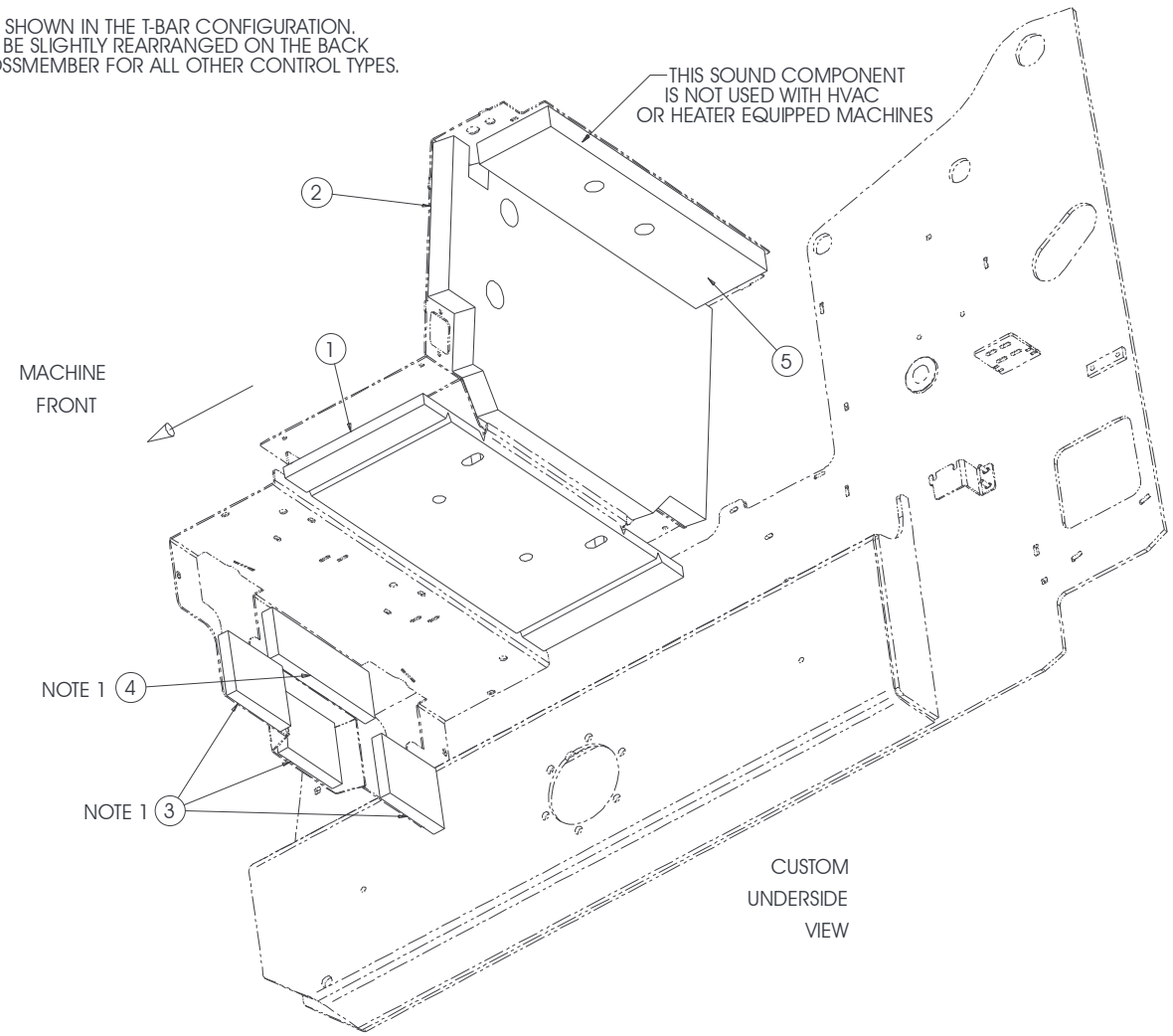
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Ref. No.	Part No.	Description	Quantity
1	030-31934	BOLT/CARRIAGE 1/2 X 1-1/2	4
2	134853	NUT/SPIRALOCK™ 1/2	4
3	134966	WASHER/FLAT HARDENED 1/2	4
4	137718	DECAL/LIFT HOOK	4
5	243548	LIFT EYE/FOUR POINT	2

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Standard

NOTES
1. THESE PARTS ARE SHOWN IN THE T-BAR CONFIGURATION. THESE PARTS WILL BE SLIGHTLY REARRANGED ON THE BACK SIDE OF THE CROSSMEMBER FOR ALL OTHER CONTROL TYPES.



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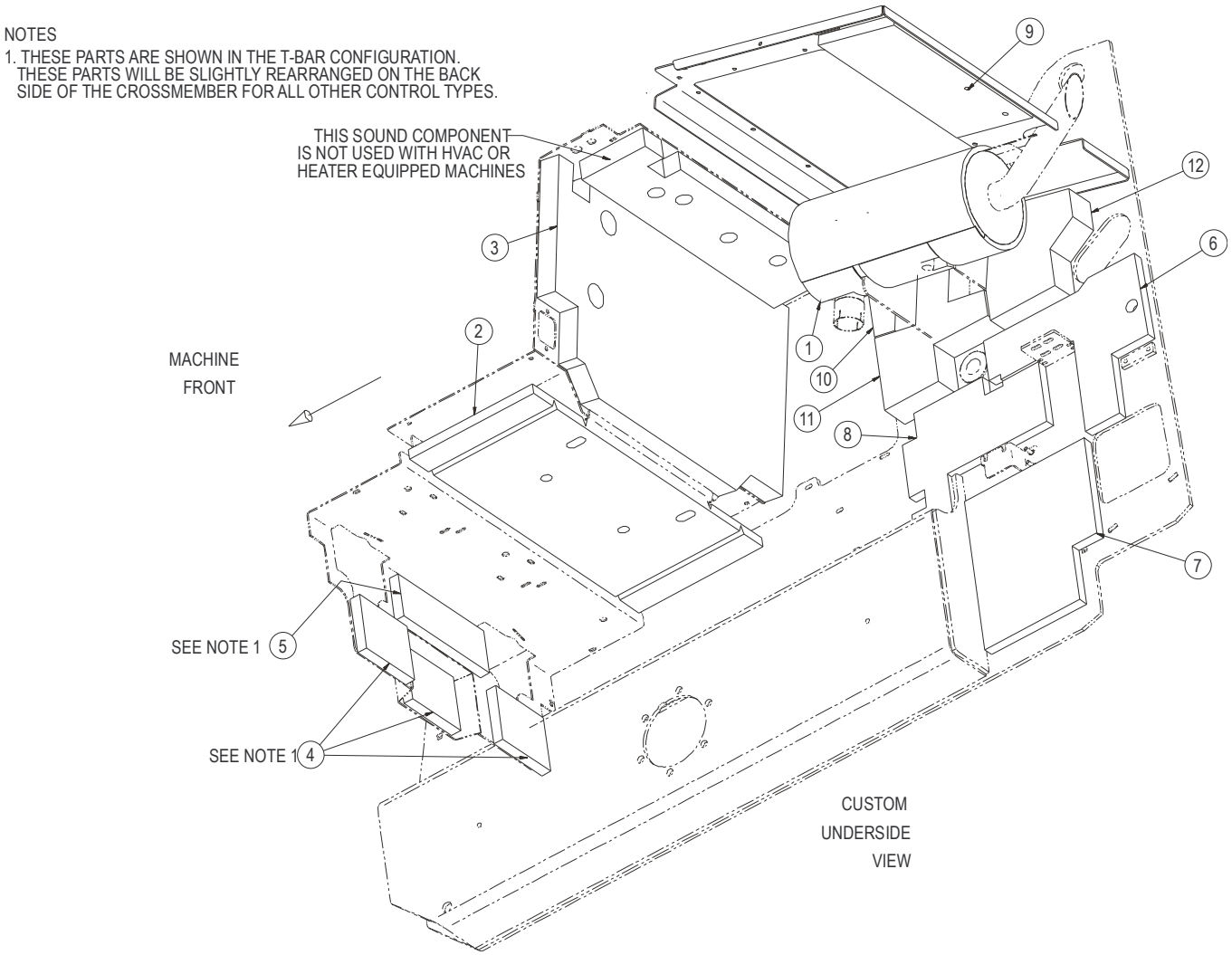
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Ref. No.	Part No.	Description	Quantity
1	50351214	FOAM/SEAT PAN	1
2	50352239	FOAM/ROPS BACK 2.00	1
3	50352266	FOAM PAD/GEAR PUMP	3
4	50352268	FOAM PAD/CROSSMEMBER	1
5	50353083	FOAM/REAR ROPS DECK	1

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Standard

Non-DPF (EU) Models



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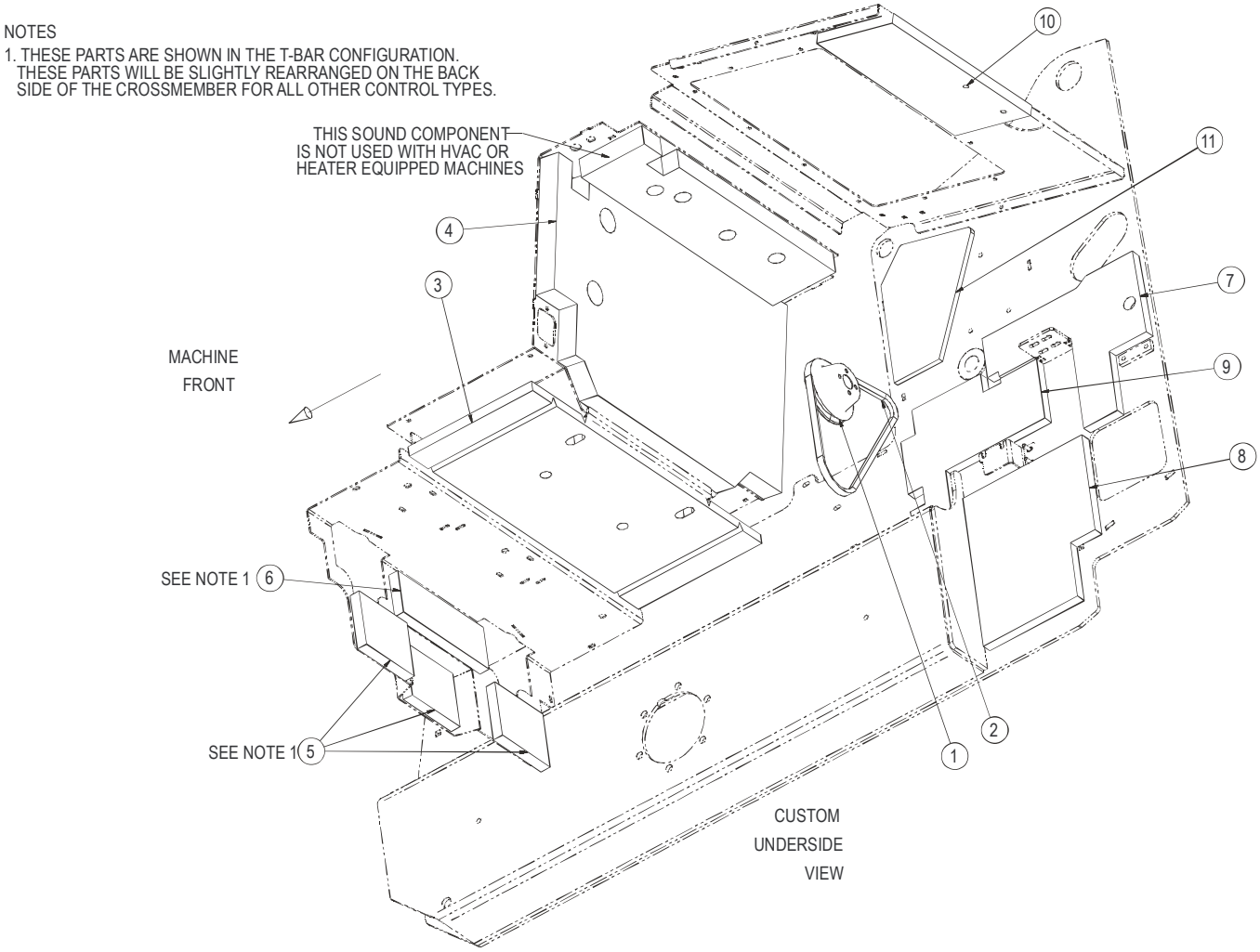
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Ref. No.	Part No.	Description	Non-DPF (EU) Quantity
1	243126	PAD/INSULATION/MUFFLER	1
2	50351214	FOAM/SEAT PAN	1
3	50352239	FOAM/ROPS BACK	1
4	50352266	FOAM PAD/GEAR PUMP	3
5	50352268	FOAM PAD/CROSSMEMBER	1
6	50352592	SOUND PAD/UPPER RIGHT TOWER	1
7	50352594	SOUND PAD/LOWER RIGHT TOWER	1
8	50352601	SOUND PAD/MIDDLE RIGHT TOWER	1
9	50352603	FOAM PAD/ENGINE COVER	1
10	50354153	FOAM/RIGHT TOWER UPPER FRONT	1
11	50354154	FOAM/RIGHT TOWER UPPER MIDDLE	1
12	50354155	FOAM/RIGHT TOWER REAR	1

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Standard

DPF (EU) Models



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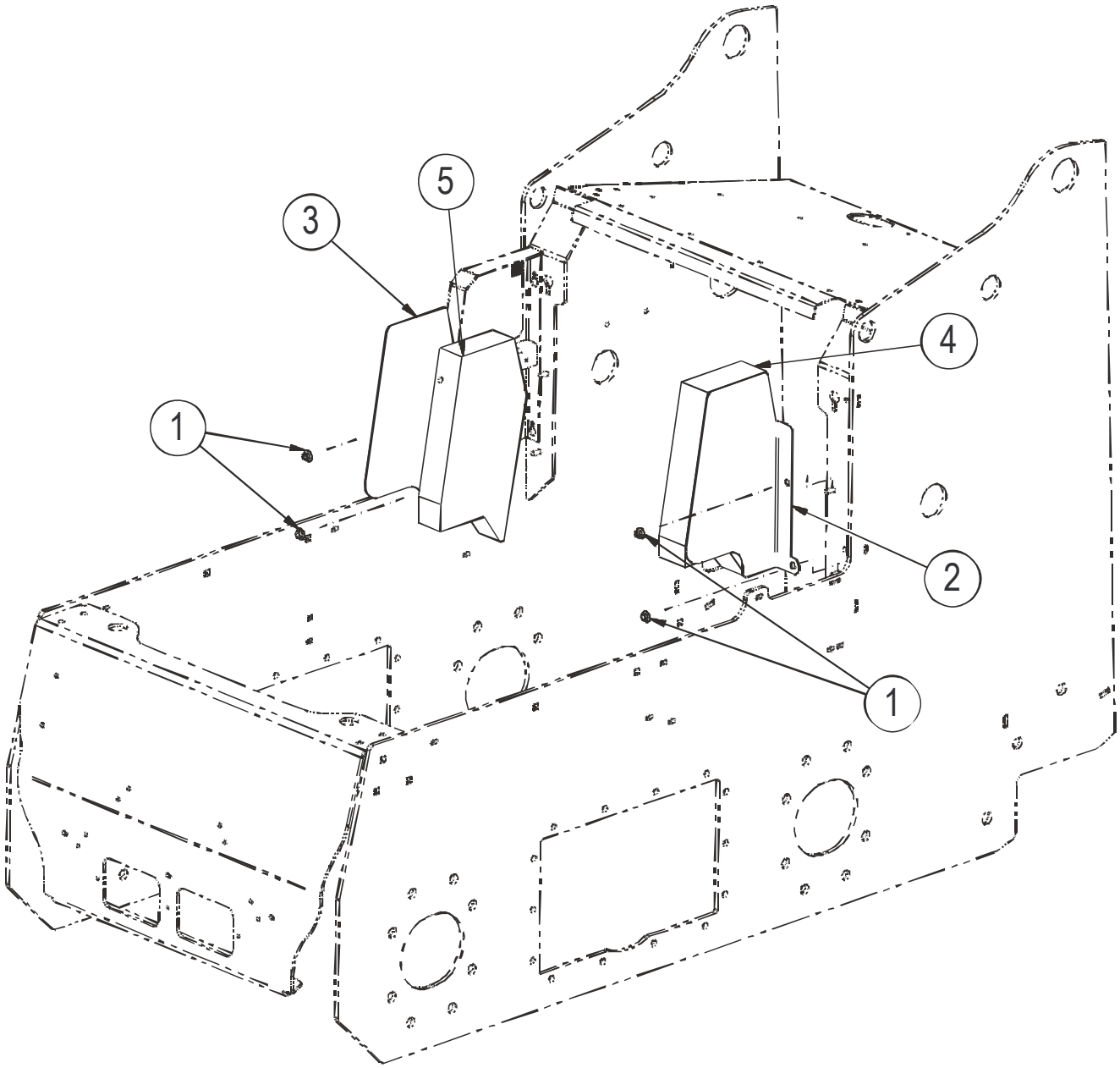
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Ref. No.	Part No.	Description	DPF (EU) Quantity
1	138031	PULLEY/FAN	1
2	50350094	BELT/ALTERNATOR	1
3	50351214	FOAM/SEAT PAN	1
4	50352239	FOAM/ROPS BACK 2.00	1
5	50352266	FOAM PAD/GEAR PUMP	3
6	50352268	FOAM PAD/CROSSMEMBER	1
7	50352592	SOUND PAD/UPPER RIGHT TOWER	1
8	50352594	SOUND PAD/LOWER RIGHT TOWER	1
9	50352601	SOUND PAD/MIDDLE RIGHT TOWER	1
10	50352603	FOAM PAD/ENGINE COVER	1
11	50352608	SOUND PAD/UPPER RIGHT TOWER FORWARD	1

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Standard

Group Side Screen Baffles



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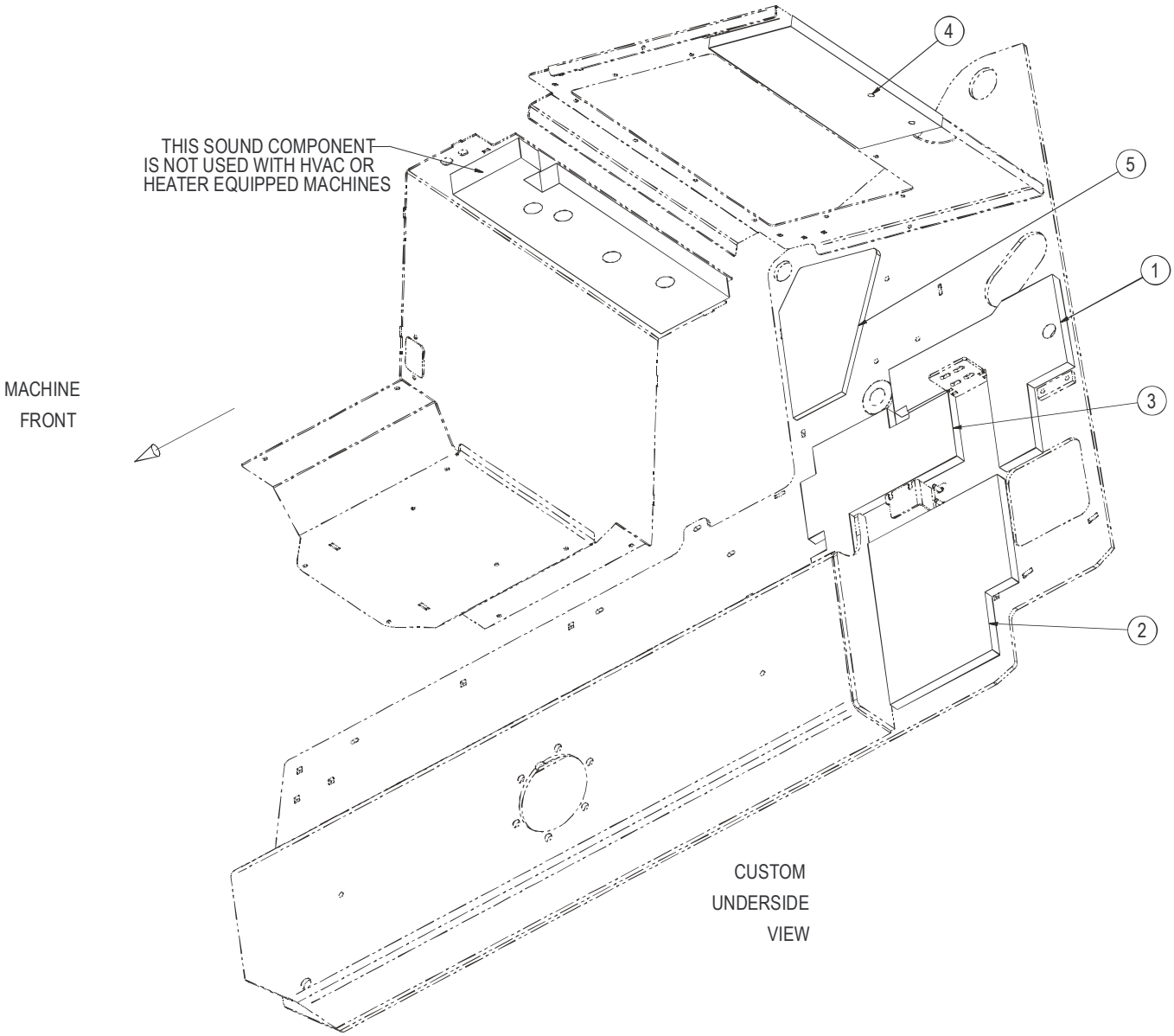
Ref. No.	Part No.	Description	Quantity
1	070856 b	NUT/LOCK SERRATED FLANGE 3/8	4
	650545 a	SCREW/CAP 5/16 X 1-1/4	4
2	50353060 b	PANEL/LEFT SIDE	1
	50353357 a	PANEL ASSY/LEFT	1
3	50353068 b	PANEL/RIGHT SIDE	1
	50353358 a	PANEL ASSY/RIGHT	1
4	50353072	PAD/SOUND LEFT PANEL	1
5	50353121	SOUND PAD/RIGHT PANEL	1

a) Parts used before chassis update adding capscrews to chassis weldment.
b) Parts used after chassis update adding capscrews to chassis weldment.

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Deluxe (0ptional)

DPF Models



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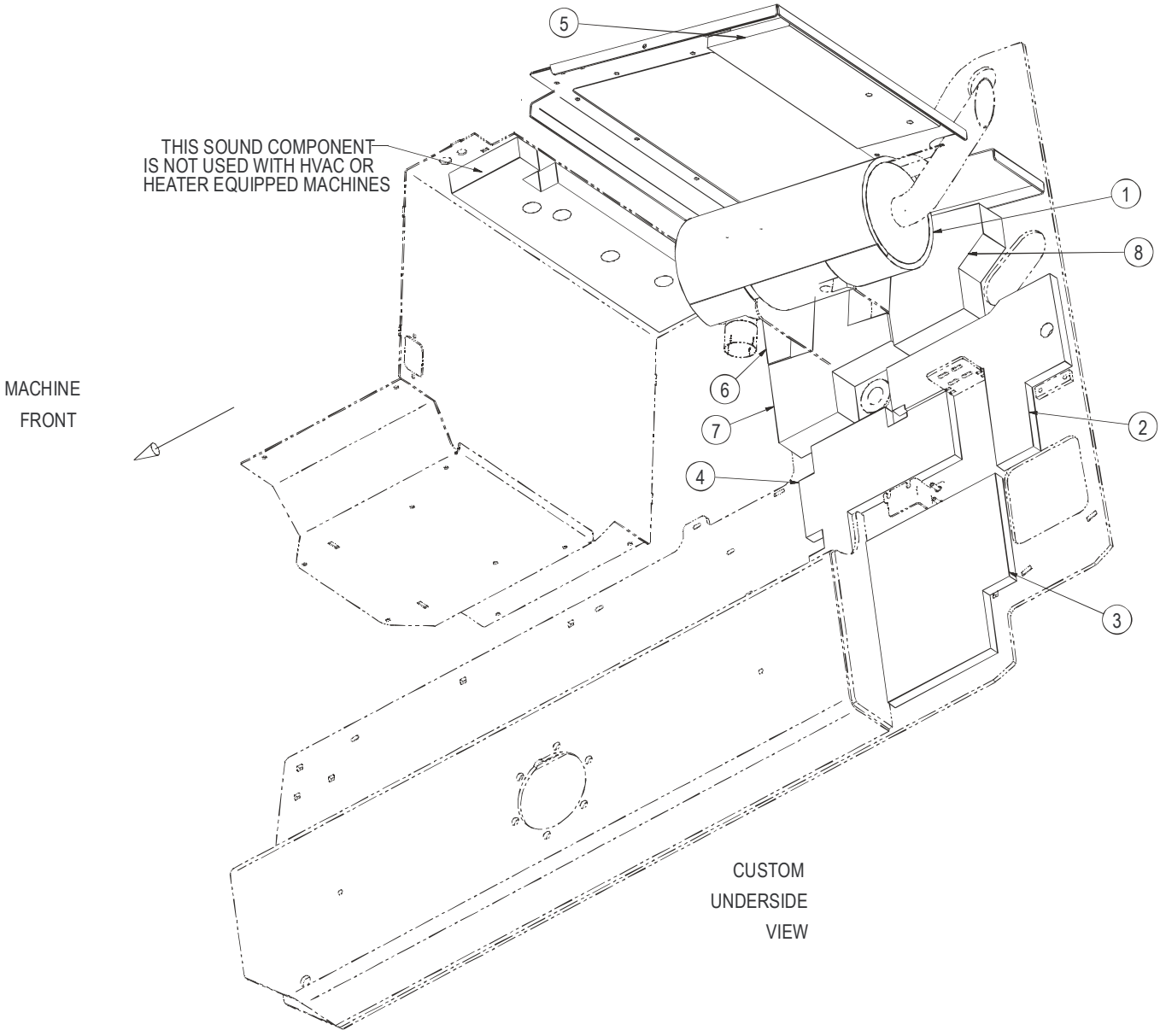
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Ref. No.	Part No.	Description	DPF Models Quantity
1	50352592	SOUND PAD/UPPER RIGHT TOWER	1
2	50352594	SOUND PAD/LOWER RIGHT TOWER	1
3	50352601	SOUND PAD/MIDDLE RIGHT TOWER	1
4	50352603	FOAM PAD/ENGINE COVER	1
5	50352608	SOUND PAD/UPPER RIGHT TOWER FORWARD	1

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Deluxe (Optional)

Non-DPF Models



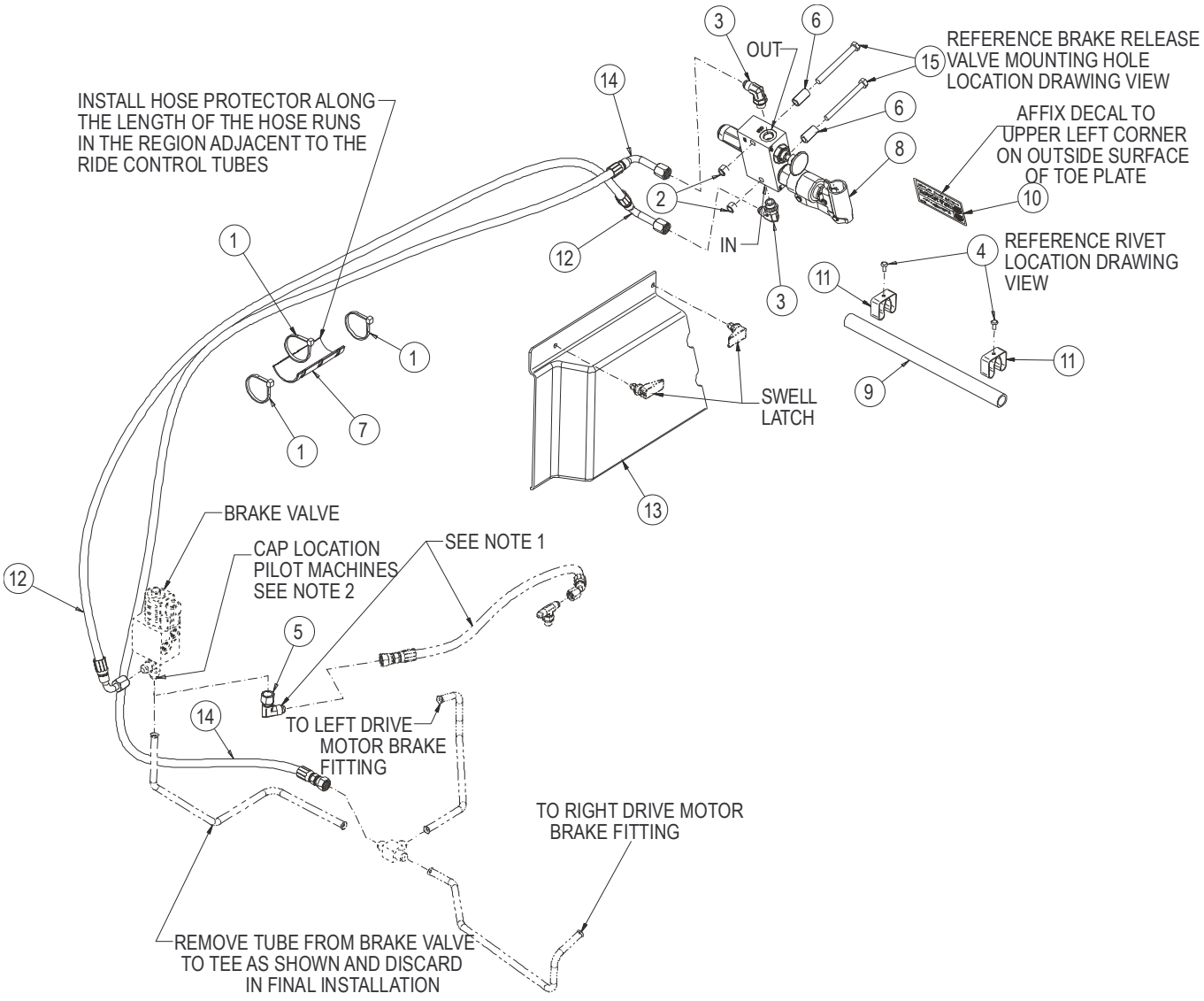
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Ref. No.	Part No.	Description	Non-DPF Models Quantity
1	243126	PAD/INSULATION/MUFFLER	1
2	50352592	SOUND PAD/UPPER RIGHT TOWER	1
3	50352594	SOUND PAD/LOWER RIGHT TOWER	1
4	50352601	SOUND PAD/MIDDLE RIGHT TOWER	1
5	50352603	FOAM PAD/ENGINE COVER	1
6	50354153	FOAD/RIGHT TOWER UPPER FRONT	1
7	50354154	FOAM/RIGHT TOWER UPPER MIDDLE	1
8	50354155	FOAM/RIGHT TOWER REAR	1

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BRAKE RELEASE



NOTES:

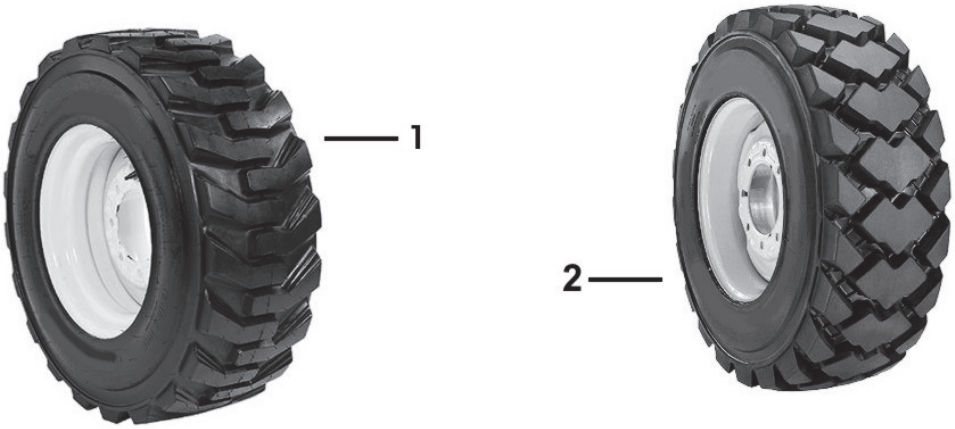
1. FOR MACHINES WITH SERV0-CONTROLLED HYDROSTATIC PUMPS, REMOVE THE EXISTING CAP FROM THE BRANCH LOCATION OF THE TEE AND CONNECT THE HOSE FROM THE "IN" PORT OF THE BRAKE RELEASE VALVE IN ITS PLACE. DISCARD THE CAP. REMOVE THE RIGHT DRIVE MOTOR BRAKE TUBE AS INDICATED IN THE ILLUSTRATION. INSTALL THE (091039) ADAPTER ON THE RUN LOCATION OF THE TEE WHERE THE RIGHT DRIVE MOTOR BRAKE TUBE WAS REMOVED. CONNECT THE DRAIN LINE FROM THE PUMP SERVO TO THE (091039) ADAPTER.
2. FOR MACHINES WITH PILOT-OPERATED HYDROSTATIC PUMPS, REMOVE THE EXISTING CAP FROM THE BRANCH LOCATION OF THE TEE AND CONNECT THE HOSE FROM THE "IN" PORT OF THE BRAKE RELEASE VALVE IN ITS PLACE. REMOVE THE RIGHT DRIVE MOTOR BRAKE TUBE AS INDICATED IN THE ILLUSTRATION. REINSTALL THE CAP AT THE RUN LOCATION OF THE TEE WHERE THE RIGHT DRIVE MOTOR BRAKE TUBE WAS REMOVED.

50440540

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Ref. No.	Part No.	Description	Quantity
1	055648	TIE/CABLE 3/16 X 7-1/2	3
2	064260	NUT/HEX LOCK 5/16	2
3	068938	FITTING/90° MJ06-MAORB06	2
4	071722	RIVET/BLIND	2
5	091039	FITTING/90° MJ06-FJS06	1
6	191330	SPACER 0.5X0.334X1.0	2
7	191775	PROTECTOR/HOSE	1
8	242517	VALVE/BRAKE RELEASE (SERVICE PARTS INDENTED BELOW)	1
	198190	BODY/VALVE/BRAKE RELEASE	1
	198191	HAND/PUMP PUSH ACTUATE	1
	198192	MANUAL PUSH-CLOSE PULL-OPEN	1
	198193	KIT/SEAL 198192	1
	198194	RELIEF/DIRECT ACTING POPPET	1
	198195	KIT/SEAL 198194	1
9	272730	TUBE/HANDLE	1
10	272760	DECAL/PARK BRAKE RELEASE	1
11	273076	CLIP/HANDLE HOLDER	2
12	50304613	HOSE/HYD -04 X 63	1
13	50354082	COVER/LOWER LEFT	1
14	50354107	HOSE/HYD -04 X 76	1
15	650741	SCREW/CAP 5/16 X 3-1/4	2

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Ref. No.	Part No.	Description	Quantity
1	811307	ASSY/WHEEL 10 X16.5 HEAVY DUTY 8-PLY FLOTATION WIDE SIDEWALL	1
	240363	WHEEL 16.5 X 8.25	1
	a	TIRE/HEAVY DUTY 10 X 1635 8-PLY	1
1	811308	ASSY/WHEEL 10 X 16.5 HEAVY DUTY 8-PLY FLOTATION WIDE SIDEWALL FOAM-FILLED	1
	240363	WHEEL 16.5 X 8.25	1
	a	TIRE/HEAVY DUTY 10 X 1635 8-PLY	1
1	811253	ASSY/WHEEL 31 X 15.50-15 HEAVY DUTY	1
	194326	WHEEL 15 X 13	1
1	811294	ASSY/WHEEL 12 X 16.5 HEAVY DUTY 10-PLY FLOTATION WIDE SIDEWALL	1
	240364	WHEEL 16.5 X 9.75	1
	a	TIRE/HEAVY DUTY 12 X 16.5 10-PLY HD2000 II	1
1	811295	ASSY/WHEEL 12 X 16.5 HEAVY DUTY 10-PLY FLOTATION WIDE SIDEWALL FOAM-FILLED	1
	240364	WHEEL 16.5 X 9.75	1
	a	TIRE/HEAVY DUTY 12 X 16.5 10-PLY HD2000 II	1
1	808216	ASSY/WHEEL 33 X 15.50 X 16.5 12-PLY EXTRA WIDE / WIDE SIDEWALL	1
	137243	WHEEL 12 X 16.5	1
	a	TIRE/HEAVY DUTY 33 X 16.5 X 15.5	1
1	807728	ASSY/WHEEL 14 X 17.5 12-PLY FLOTATION - HEAVY DUTY WIDE SIDEWALL	1
	128508	WHEEL 17.5 X 10.5 8-BOLT	1
	a	TIRE/HEAVY DUTY 14 X 17.5 14-PLY	1
2	811309	ASSY/WHEEL 10 X 16.5 10-PLY H/E SEVERE DUTY	1
	240363	WHEEL 16.5 X 8.25	1
	a	TIRE/SEVERE DUTY 10 X 16.5	1
2	811310	ASSY/WHEEL 10 X 16.5 10-PLY H/E SEVERE DUTY FOAM-FILLED	1
	240363	WHEEL 16.5 X 8.25	1
	a	TIRE/SEVERE DUTY 10 X 16.5	1
2	811296	ASSY/WHEEL 12 X 16.5 12-PLY H/E SEVERE DUTY	1
	240364	WHEEL 16.5 X 9.75	1
	a	TIRE/SEVERE DUTY 12 X 16.5	1
2	811297	ASSY/WHEEL 12 X 16.5 12-PLY H/E SEVERE DUTY FOAM-FILLED	1
	240364	WHEEL 16.5 X 9.75	1
	a	TIRE/SEVERE DUTY 12 X 16.5	1
2	811298	ASSY/WHEEL 12 X 16.5 HEAVY DUTY 10-PLY FLOTATION QUIK GEL	1
	240364	WHEEL 16.5 X 9.75	1
	a	TIRE/HEAVY DUTY 12 X 16.5	1
2	810146	ASSY/WHEEL 14 17.5 SEVERE DUTY 14-PLY FLOTATION	1
	128508	WHEEL 17.5 X 10.5 8-BOLT	1
	a	TIRE/HEAVY DUTY 14 X 17.5 14-PLY	1
2	810869	ASSY/WHEEL SOLID FLEX 10 X 16.5 LEFT	1
	810870	ASSY/WHEEL SOLID FLEX 10 X 16.5 RIGHT	1
	810871	ASSY/WHEEL SOLID FLEX 12 X 16.5 LEFT	1
	810872	ASSY/WHEEL SOLID FLEX 12 X 16.5 RIGHT	1
2	810949	ASSY/WHEEL SOLID FLEX 14 X 17.5 LEFT	1
	810950	ASSY/WHEEL SOLID FLEX 14 X 17.5 RIGHT	1
2	807801	ASSY/WHEEL HEAVY DUTY 10 X 16.5 NARROW RIM	1
	134372	WHEEL 16.5 X 8.25 NARROW	1
	a	TIRE/HEVY DUTY 10 X 16.5 8-PLY	1
3	811255	WHEEL/SOLID RUBBER 8.00 X 16 (NOT SHOWN)	1

a) Purchase equivalent-quality tires for your skid-steer loader. Contact your dealer for replacement tire information.
b) All air-filled tires take the 191020 valve stem part number.

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SECTION NOTES

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GENERAL INFORMATION

CAUTION

ALWAYS follow safety precautions on decals. Replace decals if they become damaged or if the unit is repainted. If repainting, BE SURE that all applicable decals are affixed in their proper locations.

Decal location information assists in the selection and application of new decals, in the event the original decals become damaged or the machine is repainted.

For decal replacement compare the location photographs to your machine BEFORE starting to refinish. Check off each required decal using the illustrated reference number. Find the part number, description and quantity. Refer to the illustration for replacement locations. Refer to Safety chapter of the Operator's Manual for information on the safety decals.

NEW DECAL APPLICATION

Surfaces MUST be free of dirt, dust, grease and foreign material before applying the decal. Remove smaller portion of decal backing paper and apply the exposed adhesive to the clean surface, maintaining proper position and alignment. Peel off remaining backing paper and apply hand pressure to smooth out the decal surface.

Specific decal part numbers for type of model, control option and the Gehl logo must be ordered separately.

PAINT FINISH. Use list below to order paint:

167788	One Gallon Gehl Yellow
167789	6-Pack Spray Cans Gehl Yellow
167754	One Gallon Gun Metal Gray
167755	6-Pack Spray Cans Gun Metal Gray
167792	One Gallon Red
167793	6 (12 oz. Spray Cans) Red

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DECALS

Ref. No.	Part No.	Description	Quantity Domestic	Quantity EU & X-Series
1	073458	STRIP/NON-SKID SURFACE	1	1
2	190646	DECAL/HYDRALOC™	1	1
3	132166	TAG/RIP CORD	1	1
4	132294	RING	1	1
5	137545	REFLECTOR/RED	2	-
	197998	REFLECTOR/RED	-	2
6	137632	DECAL/HYDRAULIC OIL	1	1
7	137634	DECAL/DIESEL FUEL	1	1
8	137637	DECAL/DANGER LIFT ARM	2	-
	50352631	DECAL/LIFT ARM LOCK	-	2
9	137655	DECAL/DANGER NO RIDERS	1	-
	137844	DECAL/DANGER NO RIDERS	-	1
10	137657	DECAL/WARNING GENERAL	1	-
	137845	DECAL/WARNING GENERAL	-	1
11	50352528	DECAL/DANGER HOT SURFACE	1	-
	50352526	DECAL/DANGER HOT SURFACE	-	1
12	137660	DECAL/ETHER	1	1
13	137661	DECAL/TIE DOWN	4	4
14	50351322	DECAL/ACCELERATOR DIAL	1	1
15	140516	DECAL/FLAG	1	1
16	184214	DECAL/WARNING ROPS	1	-
	184711	DECAL/WARNING ROPS	-	1
17	50352558	DECAL/SERVICE TURBO	1	1
18	50354117	DECAL/ATTACH BRACKET (ALL-TACH)	1	-
	186743	DECAL/ATTACHMENT BRACKET (ALL-TACH)	-	1
	50354137	DECAL/LATCHING	1	1
19	50352518	DECAL/FUEL/ULSD	1	1
20	242152	DECAL/IGNITION SWITCH	1	1
21	50352534	DECAL/PDM FUSE-RELAY	1	1
	50353899	DECAL/PDM FUSE -RELAY (X-SERIES ONLY)	-	1
22	131050	KEYCHAIN	1	1
23	50352637	DECAL/ROPS LOCK	1	-
	50352566	DECAL/ROPS LOCK	-	1
24	242260	DECAL/WARNING GENERAL	1	-
	242590	DECAL/WARNING GENERAL	-	1
25	242397	DECAL/DANGER WARNING	1	-
	242284	DECAL/DANGER WARNING	-	1
	242408	DECAL/DANGER WARNING	-	1
26	242582	DECAL/WARNING MANUAL	1	-
	242568	DECAL/WARNING MANUAL	-	1
27	50352529	DECAL/DANGER FAN HAZARD	1	-
	50352527	DECAL/DANGER FAN HAZARD	-	1
28	242236	DECAL/SAFETY SHUTDOWN	1	-
	242246	DECAL/SAFETY SHUTDOWN	-	1
30	139074	DECAL/AIR CONDITIONER	2	2
46	50354397 b	DECAL/PANEL/ROPS	1	1
	50351334 a	DECAL/PANEL/ROPS	1	1

a) SN 173612 and Before
b) SN 173613 and Up

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Model Designation Decals

Ref. No.	Part No.	Description	Quantity
31	50353109	DECAL/R220 RIGHT	1
32	50353110	DECAL/R220 LEFT	1

Gehl Decals

Ref. No.	Part No.	Description	Quantity
33	50353113	DECAL/GEHL (FRONT OF LOADER)	1
34	50353114	DECAL/GEHL (LIFT ARM)	2
35	50353115	DECAL/GEHL (REAR GRILLE)	1
36	50353116	DECAL/GEHL (REAR CAB)	1
47	50380750	DECAL/X-SERIES	2

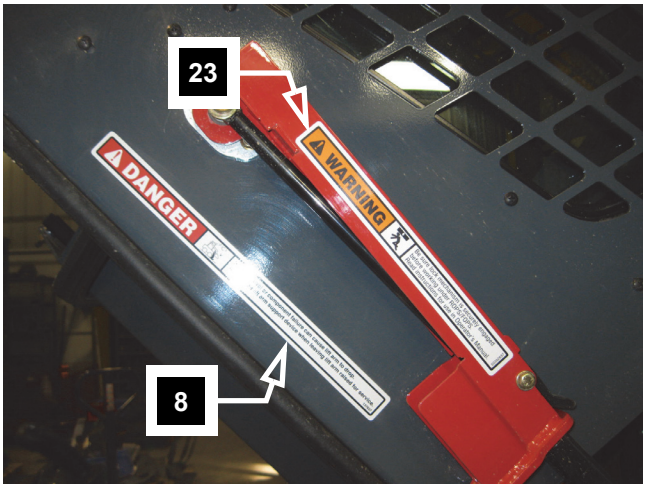
Control Decals

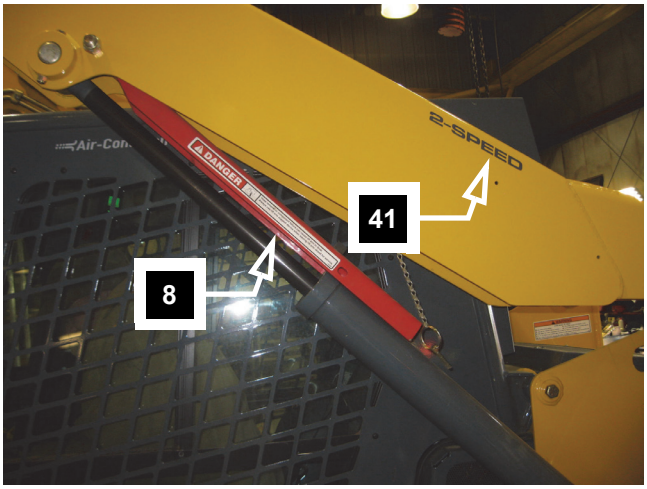
Ref. No.	Part No.	Description	Quantity			
			T-Bar	H/F	DH	DJS
37	50352533	DECAL/T-BAR RIGHT	1	-	-	-
	50352530	DECAL/JOYSTICK RIGHT	-	-	-	1
	50352532	DECAL/HAND AND FOOT RIGHT	-	1	-	-
	50354141	DECAL/DUAL HAND RIGHT	-	-	1	-
38	184227	DECAL/T-BAR LEFT	1	-	-	-
	194864	DECAL/HAND AND FOOT LEFT	-	1	-	-
	184526	DECAL/JOYSTICK LEFT	-	-	-	1
	192207	DECAL/DUAL HAND LEFT	-	-	1	-

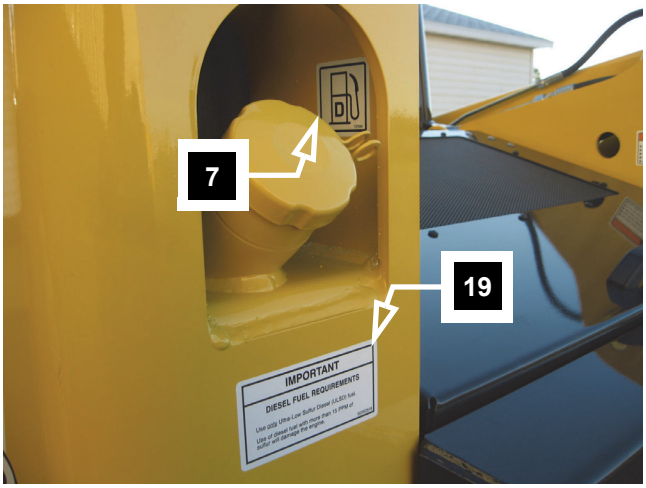
Option Decals

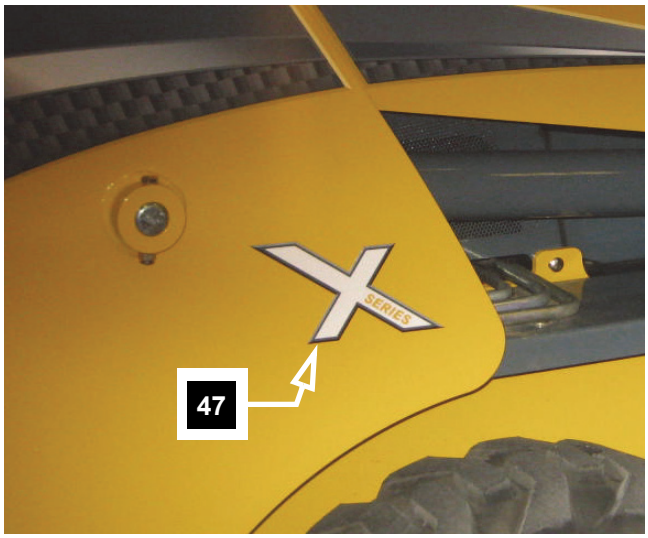
Ref. No.	Part No.	Description	Quantity
39	184139	DECAL/HIGH FLOW	1
40	138711	DECAL/HYDRAGLIDE™	2
41	184116	DECAL/TWO-SPEED (SET OF TWO)	1
42	184357	DECAL/POWER-A-TACH	1
43	139107	DECAL/LATCHING LEFT	1
44	139109	DECAL/LATCHING RIGHT	1

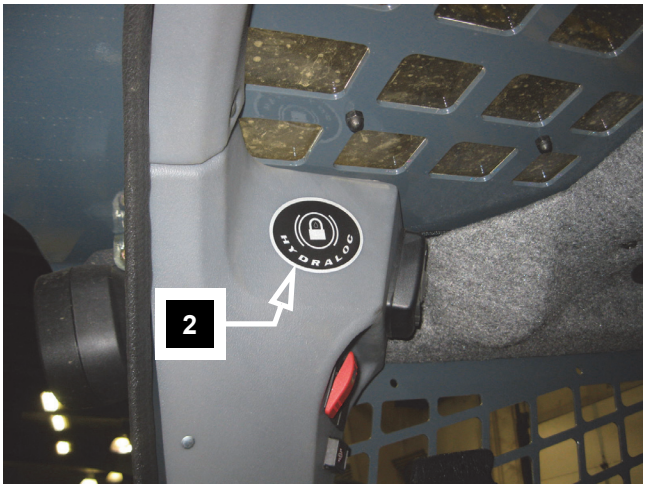
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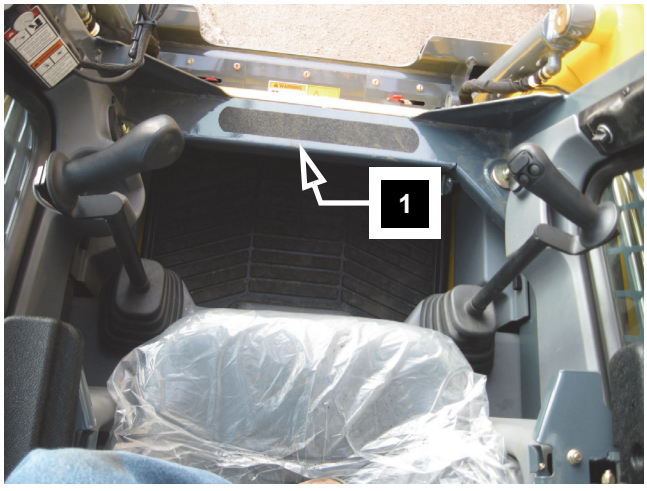




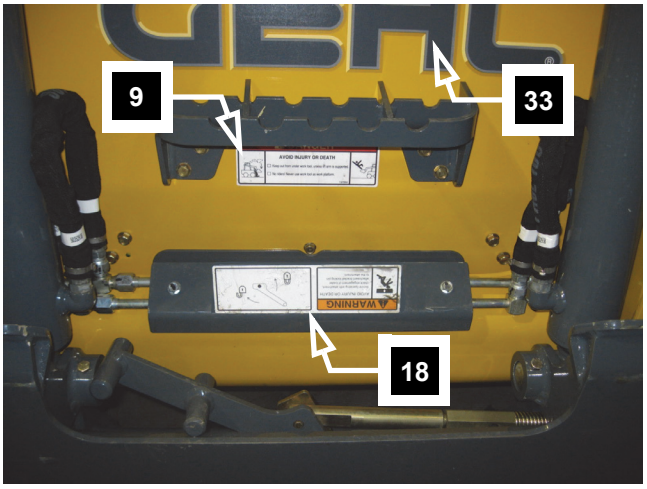


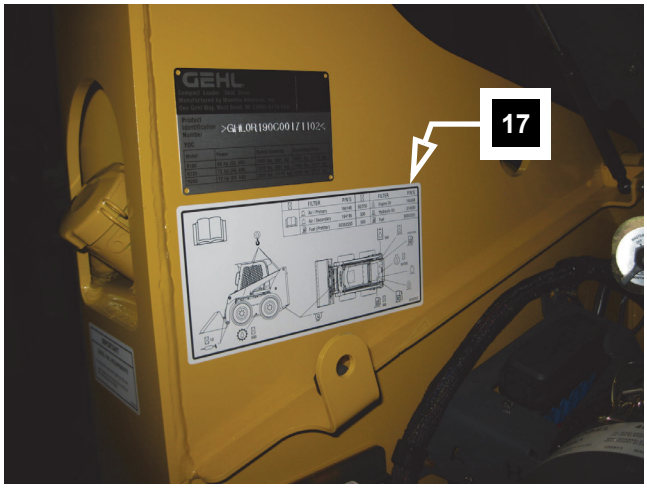


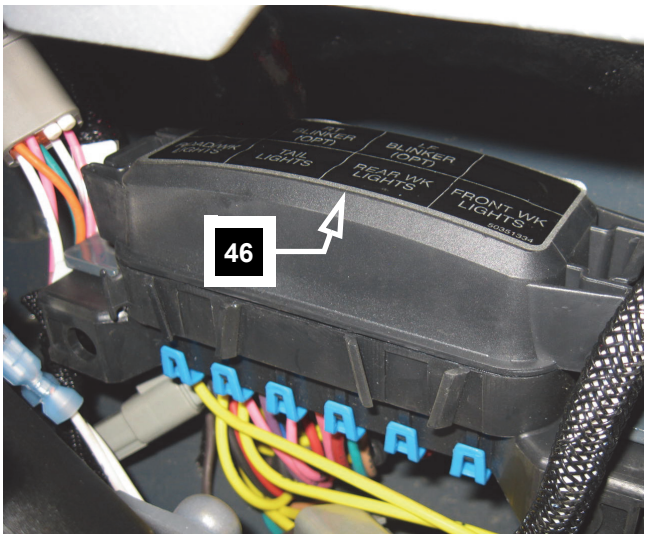


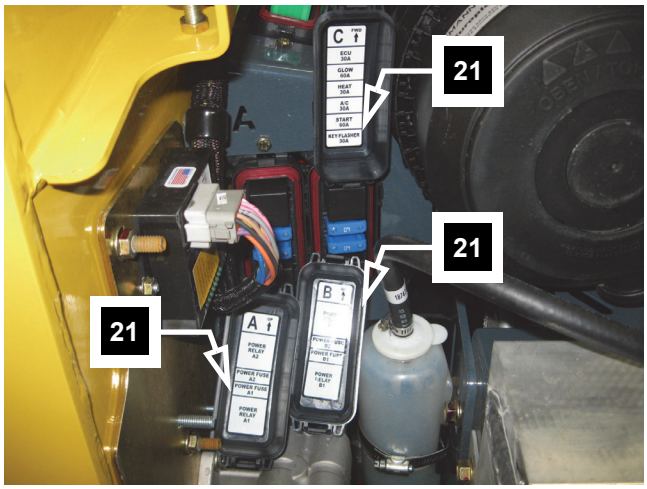


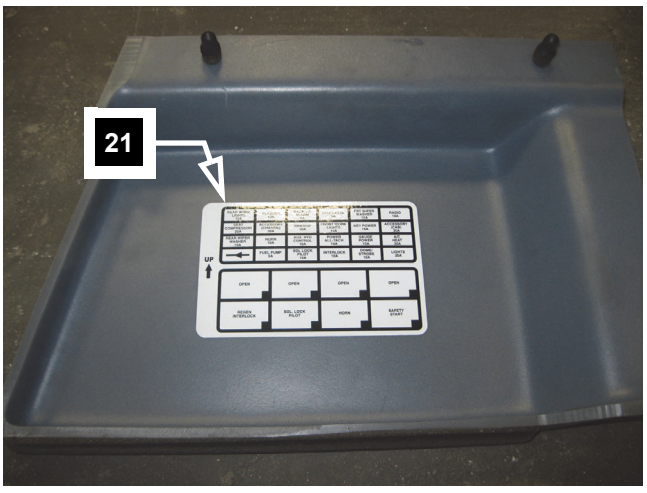
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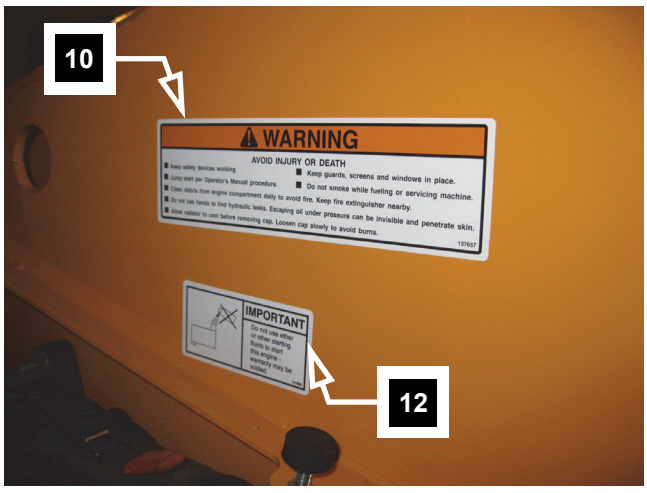




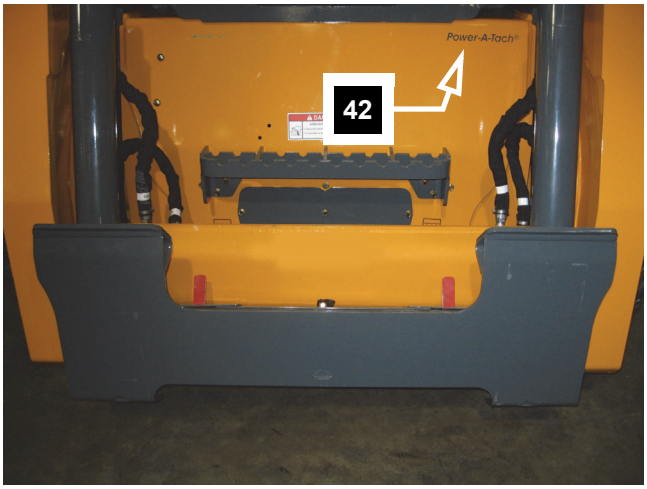


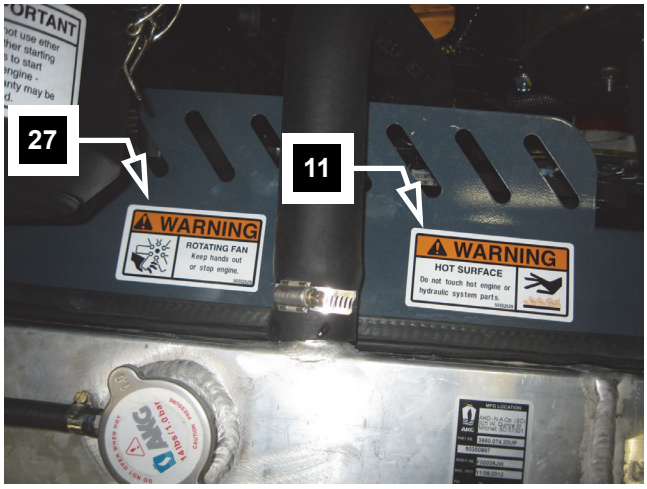


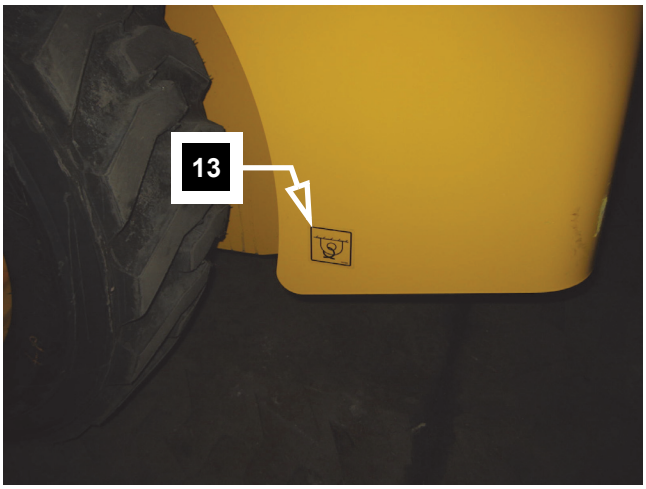


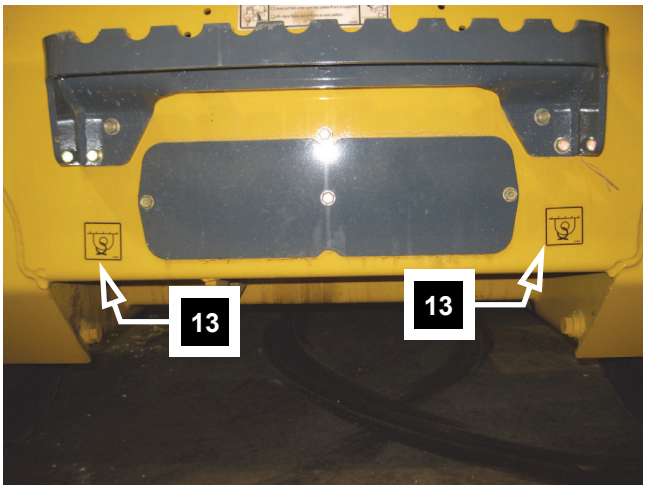


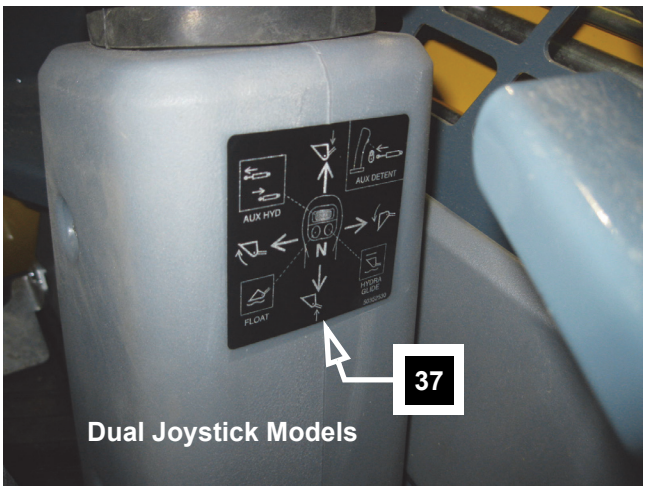
DECALS

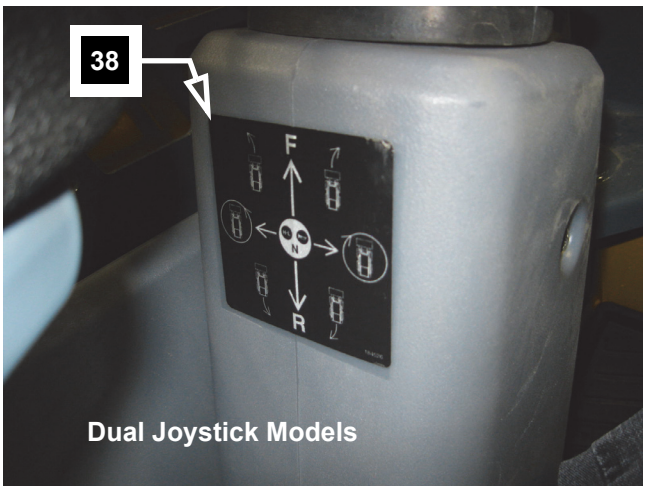

Power-A-Tach
42


27
11
WARNING
ROTATING FAN
Keep hands out or stop engine.
WARNING
HOT SURFACE
Do not touch hot engine or hydraulic system parts.


13

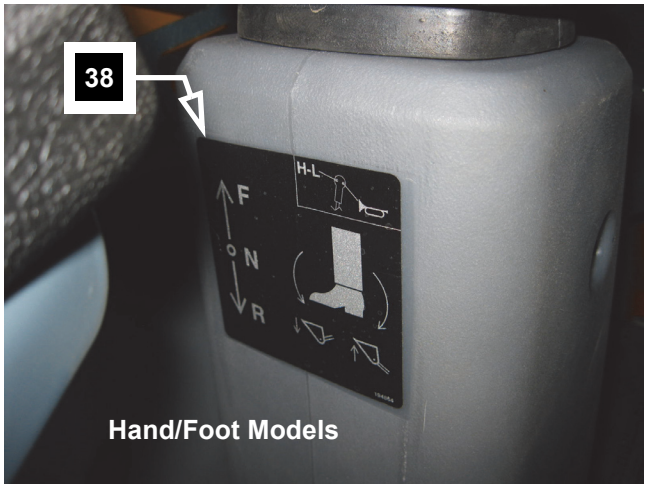

13
13

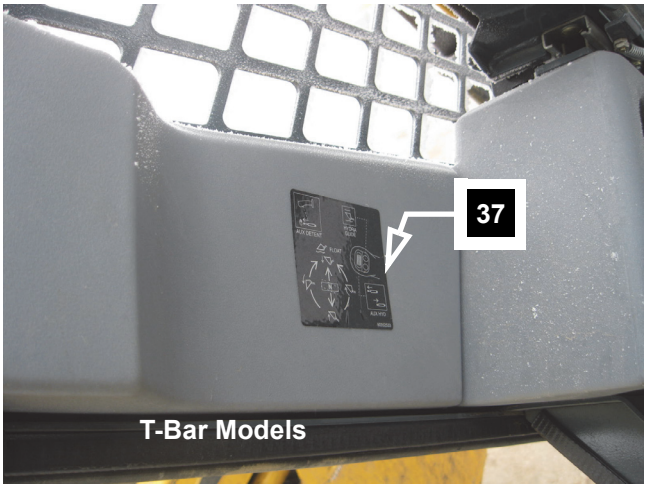

AUX HYD
AUX DETENT
N
FLOAT
37
Dual Joystick Models

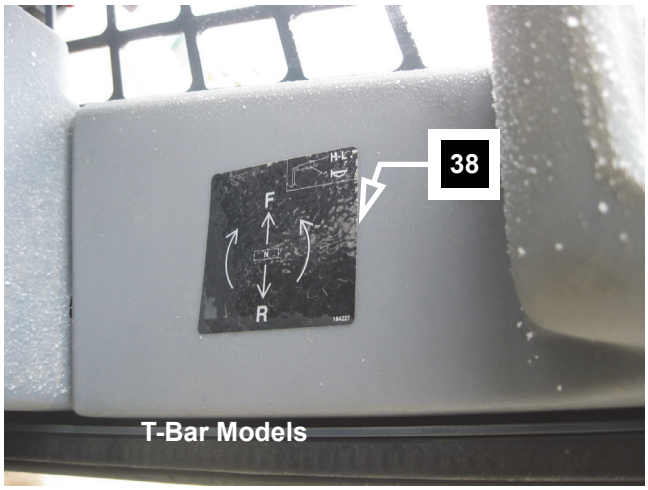

38
F
N
R
Dual Joystick Models

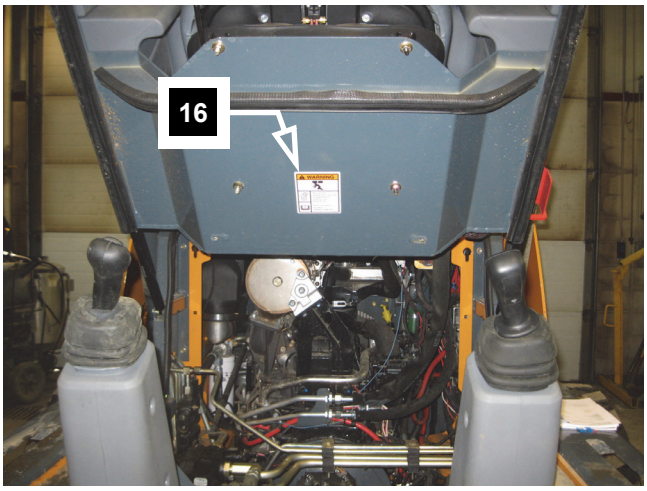
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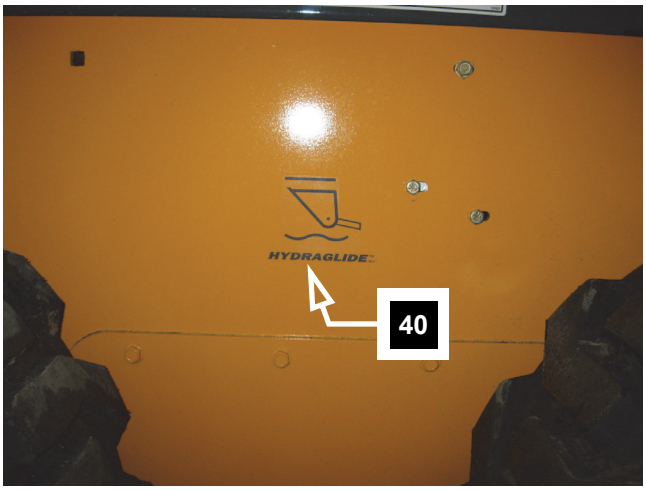




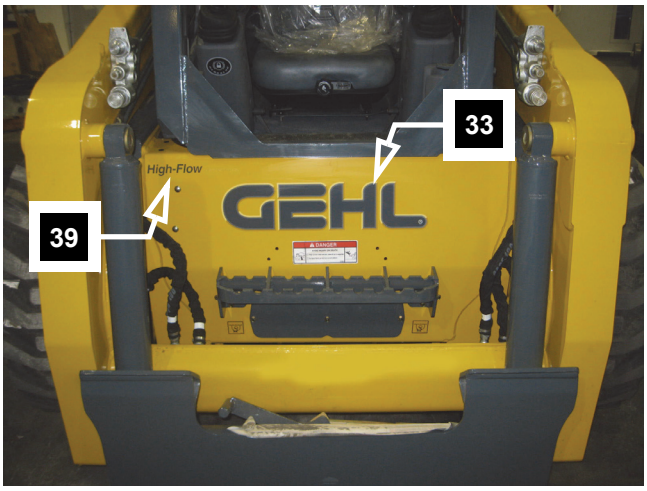


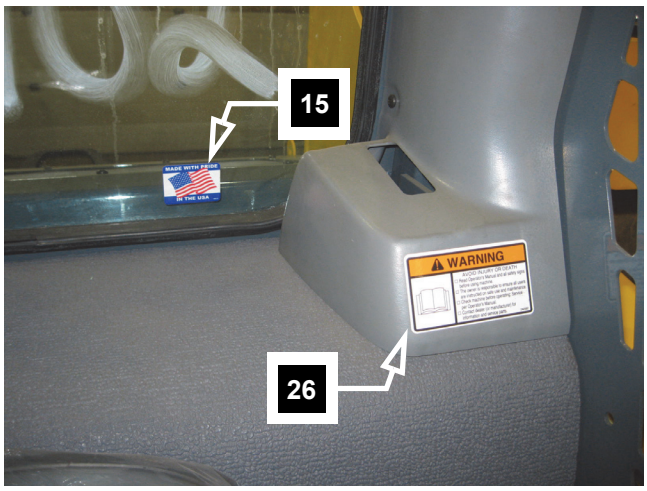


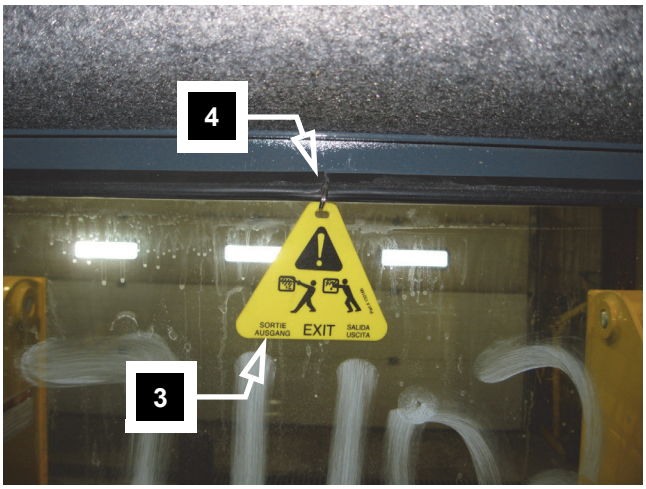


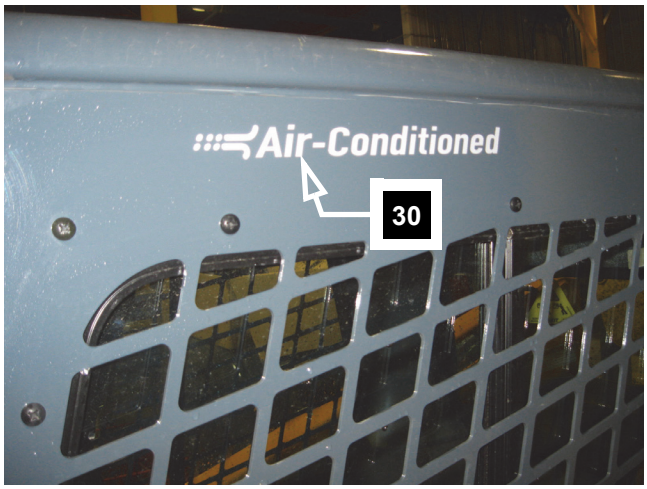


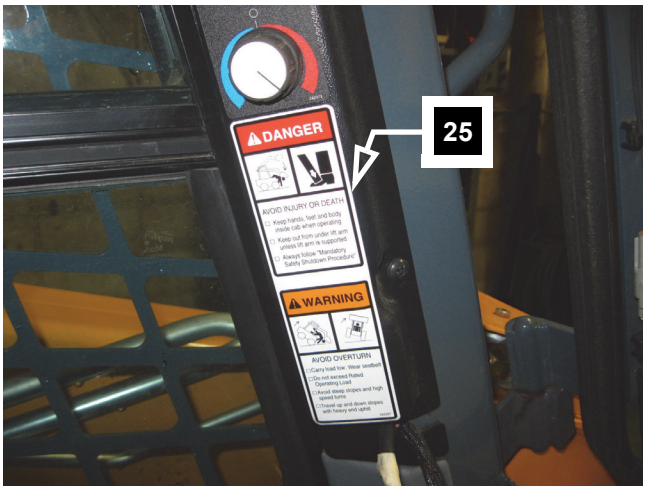
DECALS


33
39
High-Flow
GEHL


15
26
WARNING

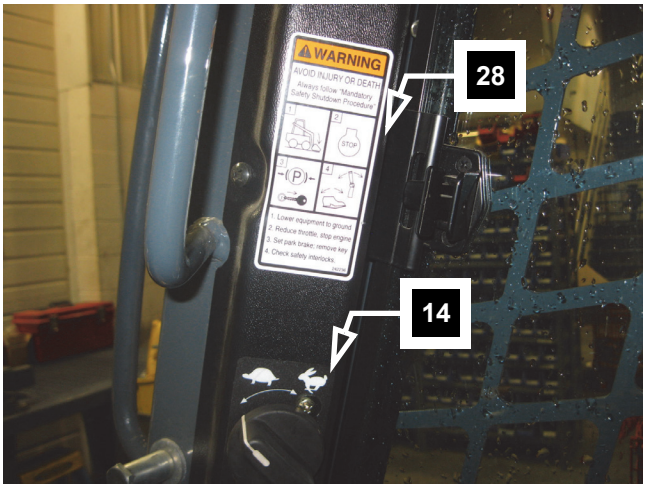

4
3
SORTIE
AUSGANG
EXIT
SALIDA
USCITA

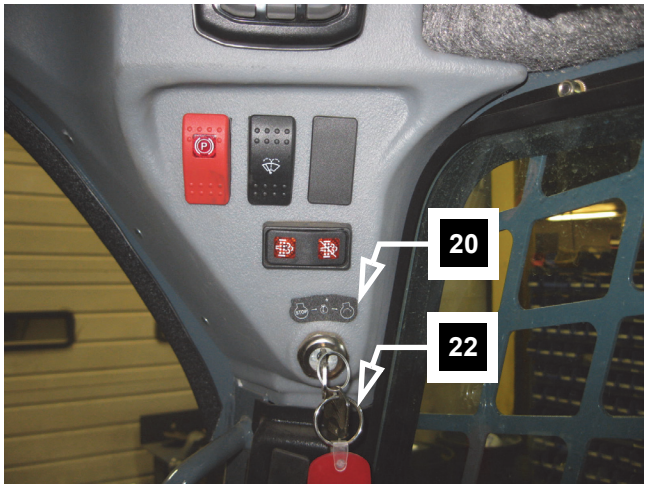

Air-Conditioned
30

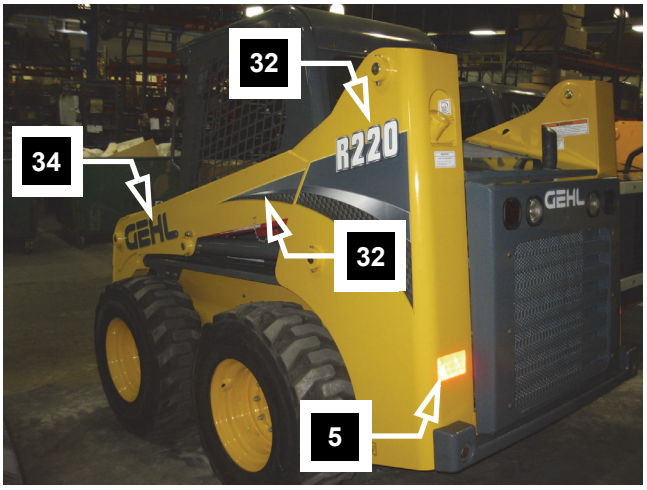

25
DANGER
WARNING

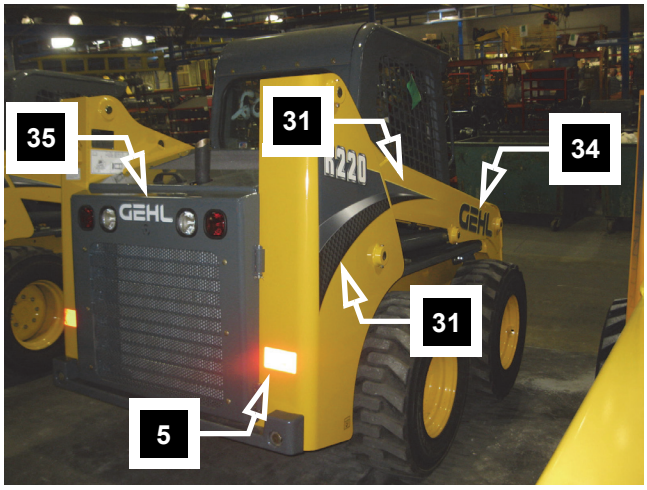

24
WARNING

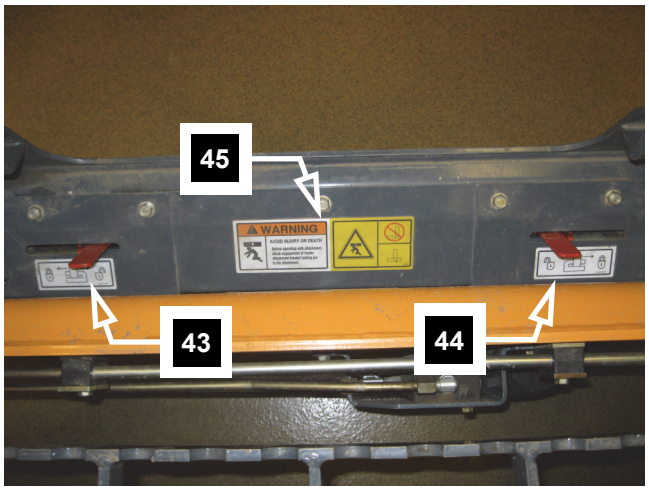
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https://truckmanualshub.com/

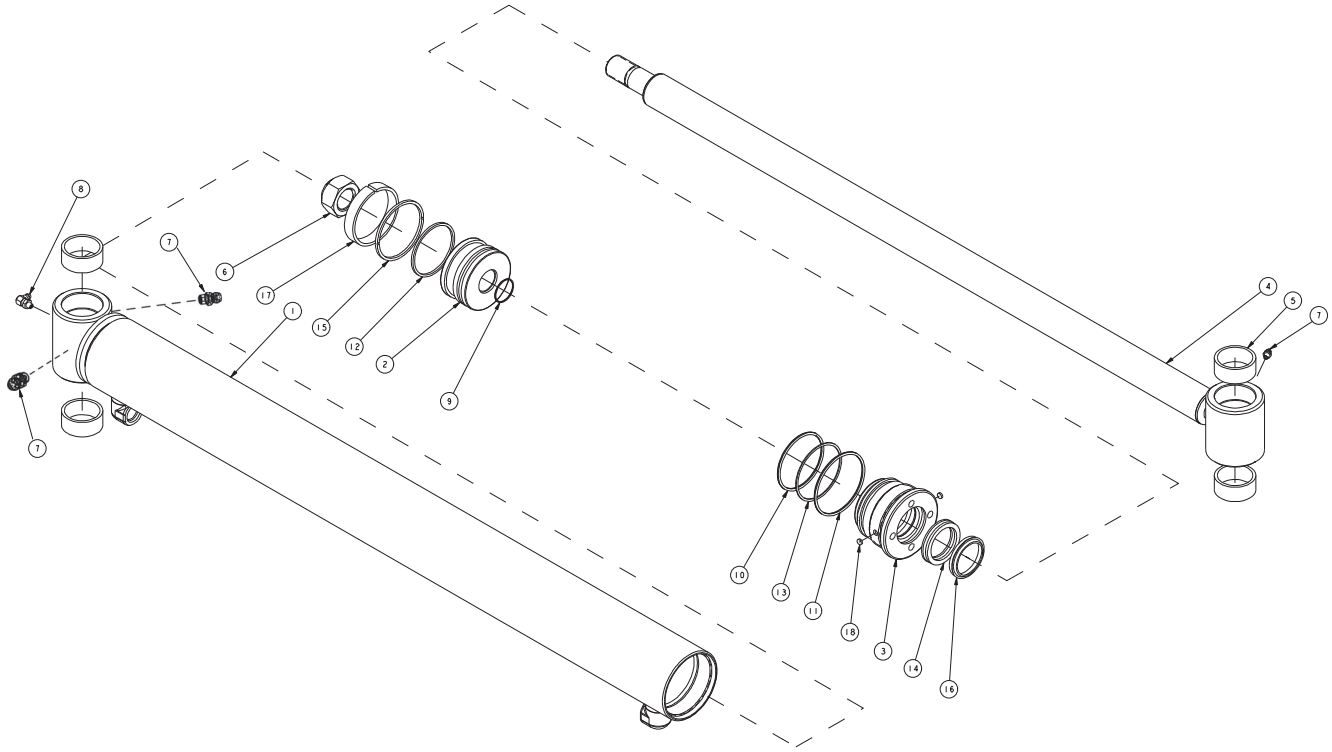
https://truckmanualshub.com/

SECTION B: HYDRAULIC COMPONENTS

Lift Cylinder 163
Tilt Cylinder 165
Drive Motors with Parking Brake 167
Tandem Pumps 171
Gear Pumps - Single and Double 179
Self-Leveling Valve 183
Solenoid Valves - Lift and Tilt 185
Solenoid Valves - Brake, Joystick Supply and Brake Release 187
Main Control Valves 189
Hydraglide™ Ride Control Manifold Valve 193
Condensor, Heater Housing and HVAC Housing Assembly 195
Foot Valve 197

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LIFT CYLINDER



50352198

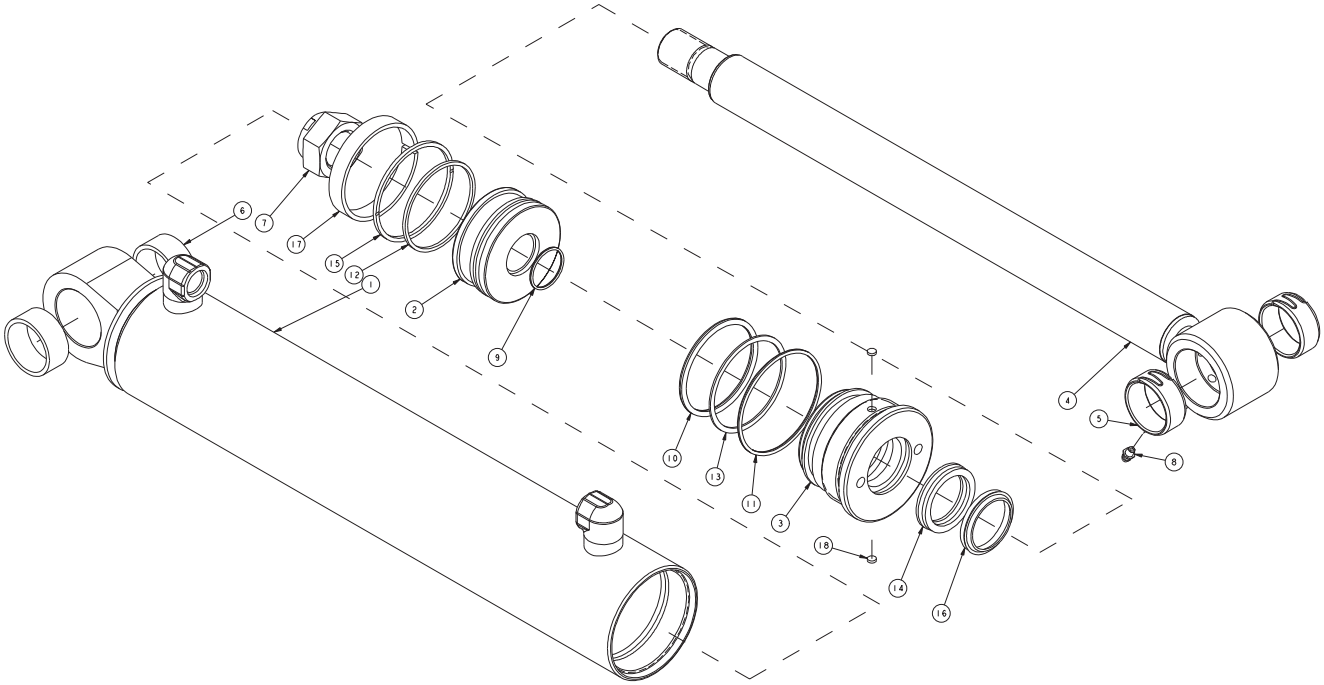
https://truckmanualshub.com/

Ref. No.	Part No.	Description	Quantity
	50352198	CYLINDER/LIFT	
1	50352928	TUBE/LIFT CYLINDER	1
2	124073	PISTON	1
3	50280041	GLAND/HEAD	1
4	50352927	ROD/LIFT CYLINDER	1
5	183453	BUSHING/COMPOSITE	4
6	080313	NUT/LOCK 1.00	1
7	198178	ZERK/STRAIGHT 1/4 SELF-TAP	3
8	50352964 a	FITTING/GREASE 90 1/4 TF	1
18	50352965	INSERT/LOCKING	2
	50352962	KIT/SEAL (INCLUDES ITEMS #9 - 18 ON THE DWG)	1

a) Check cylinder tube to see if it has a 90° fitting. Later models use the 198178 fitting in all three places.

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TILT CYLINDER



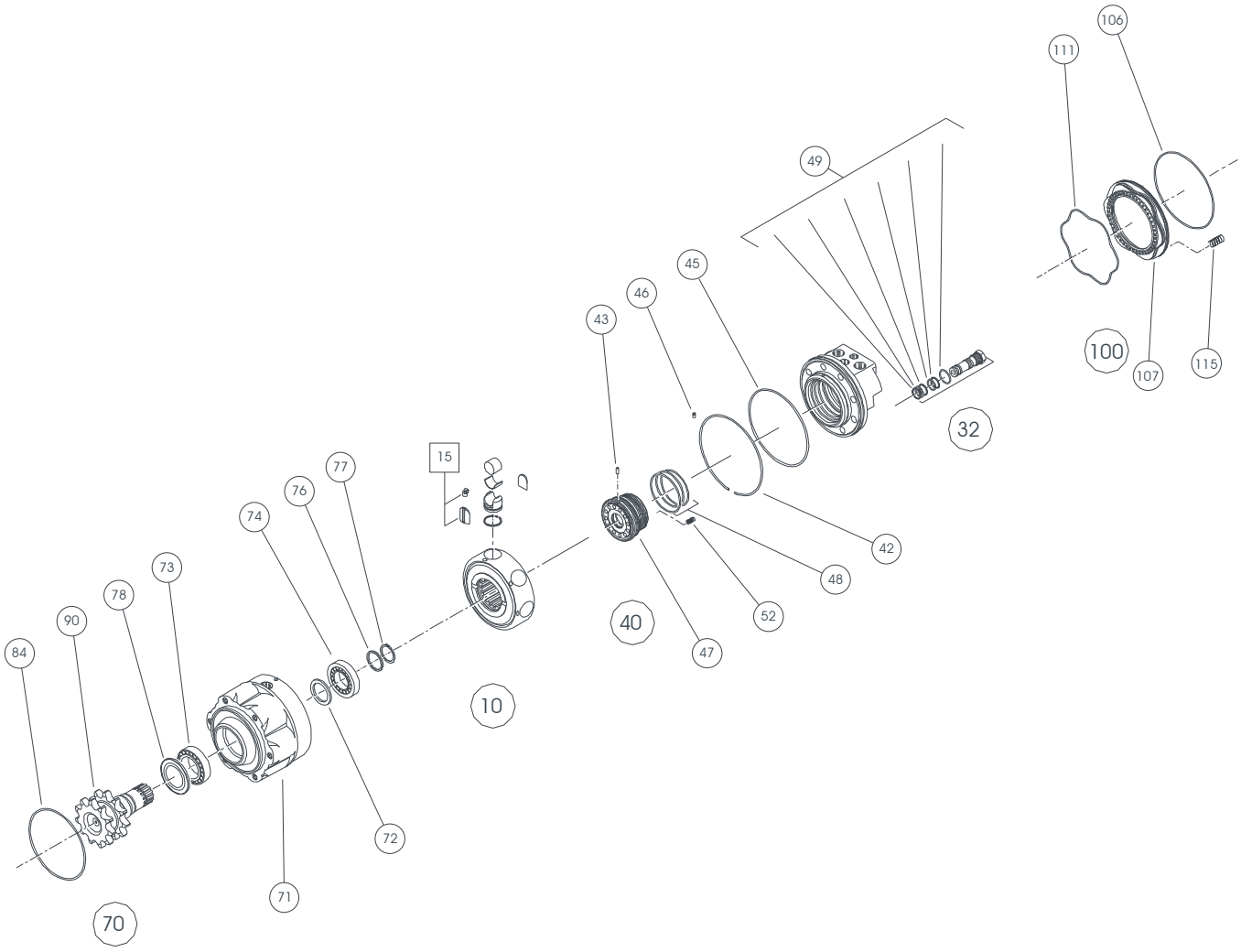
50352933

https://truckmanualshub.com/

Ref. No.	Part No.	Description	Quantity
	50352933	CYLINDER/TILT	
1	50352930	TUBE/TILT CYLINDER	1
2	243199	PISTON	1
3	50352966	GLAND/HEAD	1
4	50352931	ROD/TILT CYLINDER	1
5	131488	BUSHING/CONNEX	2
6	183453	BUSHING/COMPOSITE	2
7	L500668	NUT/LOCK 1.125	1
8	198178	ZERK/STRAIGHT 1/4 SELF-TAP	1
18	50352965	INSERT/LOCKING	2
	243200	KIT/SEAL (INCLUDES ITEMS #9 - 18 ON THE DRAWING)	1

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Single-Speed



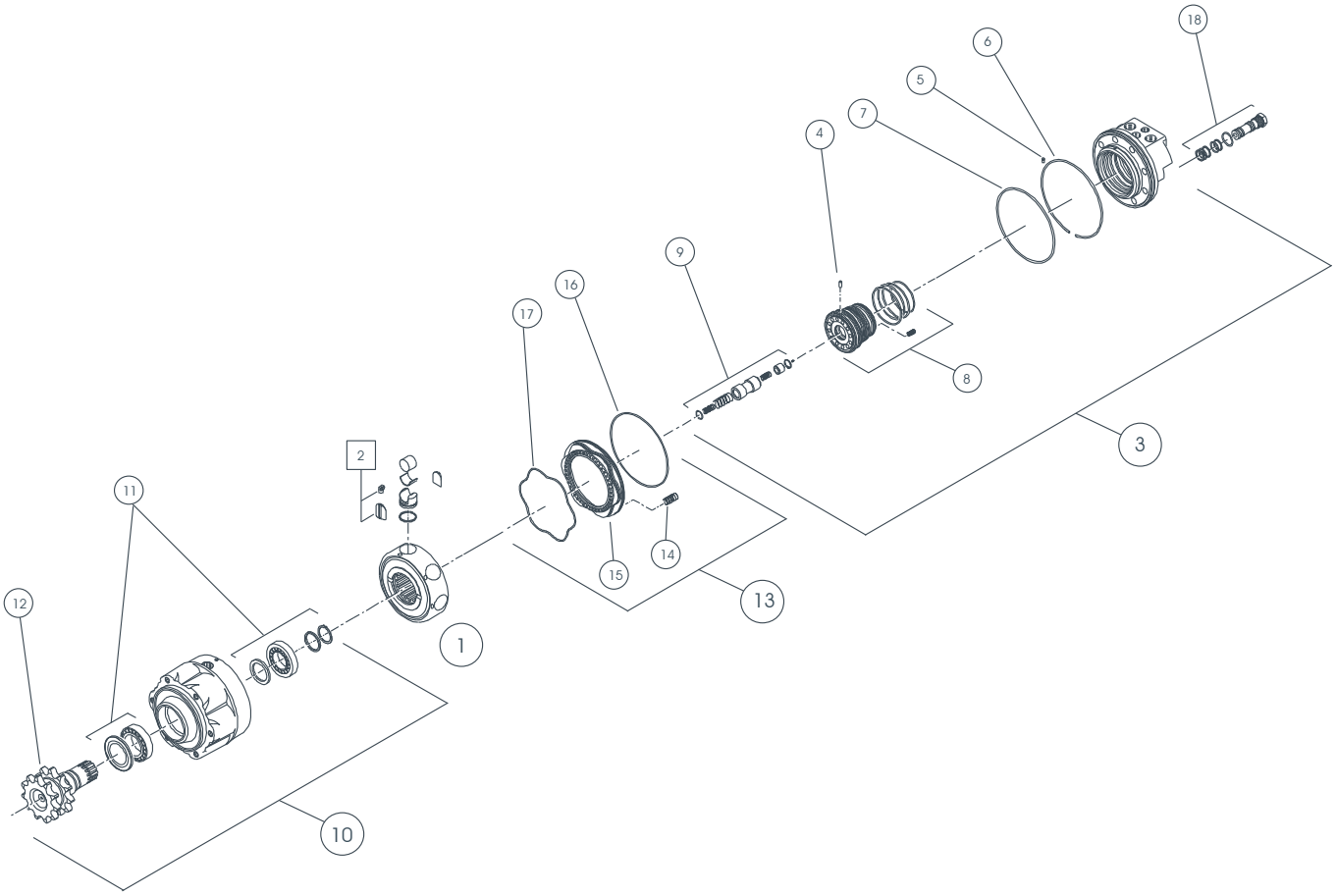
195101_195102

https://truckmanualshub.com/

Ref. No.	Part No.	Description	Single-Speed Qty
	195101	MOTOR/SINGLE SPEED RIGHT	1
	195102	MOTOR/SINGLE SPEED LEFT	1
10	194233	ASSEMBLY/CYLINDER BLOCK	1
15	194234	KIT/PISTON REPAIR	1
40	195691	ASSEMBLY/VALVING W/DISTR	1
42	184986	WASHER/SPRING	1
43	194236	PIN/DOWEL	1
45	184987	O-RING	1
46	194237	PIN/DOWEL	1
47	195692	VALVING (INCLUDES ITEMS 47, 48 AND 52)	1
48	186026	KIT/SEAL	1
52	132621	SPRING	6
32	184991	VALVING/SHUTTLE	1
49	184992	KIT/SEAL	1
70	194252	ASSEMBLY/BEARING SUPPORT #100-14	1
71	186022	SUPPORT/BEARING	1
72	194244	KIT/BEARING (INCLUDES ITEMS 72, 73, 74, 76, 77 AND 78)	1
73	NSS	BEARING/ROLLER	1
74	NSS	BEARING/ROLLER	1
76	NSS	RING/THRUST	1
77	NSS	RING/SNAP	1
78	NSS	RING/SEAL	1
84	NSS	O-RING	1
90	194253	SHAFT #100-14 SPROCKETS	1
100	194247	ASSEMBLY/BRAKE	1
106	194250	O-RING/BRAKE PISTON	1
107	194249	PISTON/BRAKE	1
111	186016	O-RING	1
115	194248	SPRING/BRAKE	8
150	195693	KIT/SEAL COMPLETE	1

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Two-Speed



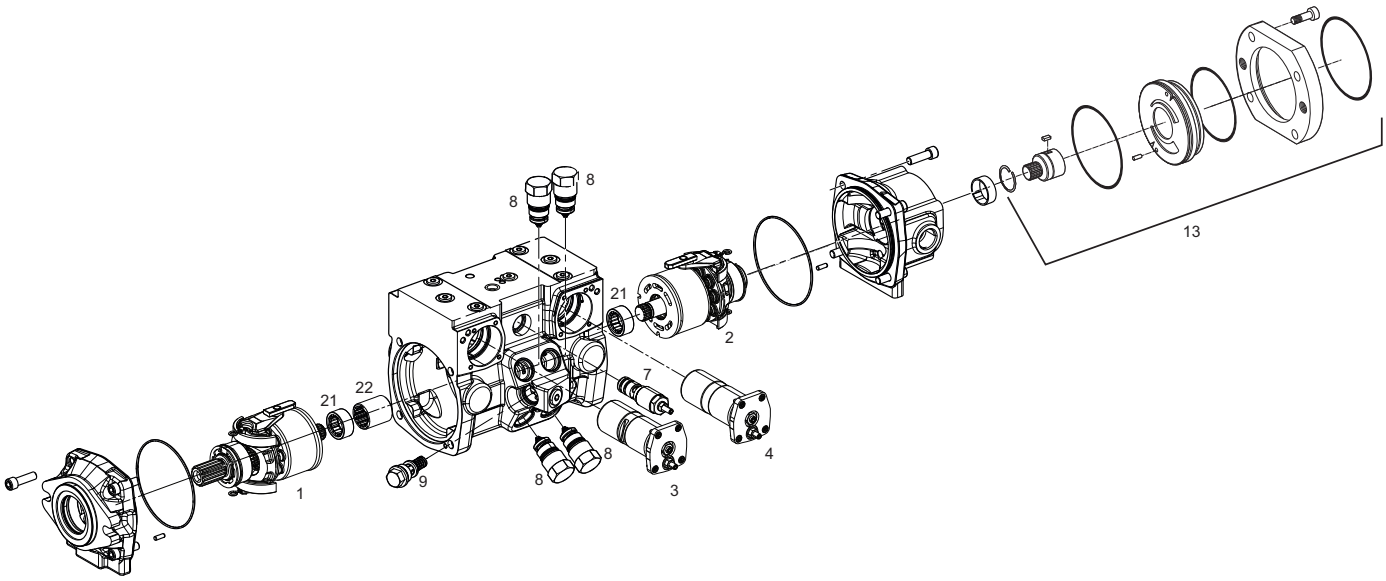
193674_193675

https://truckmanualshub.com/

Ref. No.	Part No.	Description	Two-Speed Qty
	193674	MOTOR/TWO-SPEED RIGHT	1
	193675	MOTOR/TWO-SPEED LEFT	1
1	194233	ASSEMBLY/CYLINDER BLOCK	1
2	194234	KIT/PISTON REPAIR	1
3	194235	ASSEMBLY/VALVING COVER	1
4	194236	PIN/DOWEL	1
5	194237	PIN/DOWEL	1
6	184986	WASHER/SPRING	1
7	184987	O-RING	1
8	194238	ASSEMBLY/VALVING	1
9	194239	ASSEMBLY/TWO-SPEED SPOOL	1
10	194252	ASSEMBLY/BEARING SUPPORT #100-14	1
11	194244	KIT/BEARING	1
12	194253	SHAFT #100-14 SPROCKETS	1
13	194247	ASSEMBLY/BRAKE	1
14	194248	SPRING/BRAKE	8
15	194249	PISTON/BRAKE	1
16	194250	O-RING/BRAKE PISTON	1
17	186016	O-RING	1
18	184991	VALVING/SHUTTLE	1
	184992	KIT/SEAL	1
	194251	KIT/SEAL COMPLETE	1

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Hand/Foot and Dual Joystick Pump 50351006



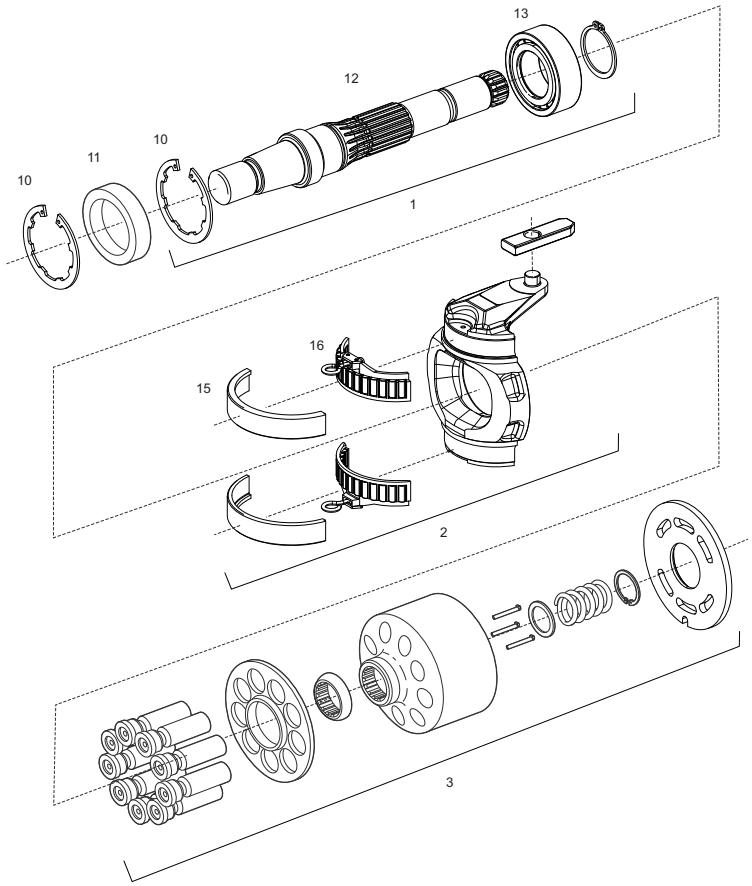
50351006

https://truckmanualshub.com/

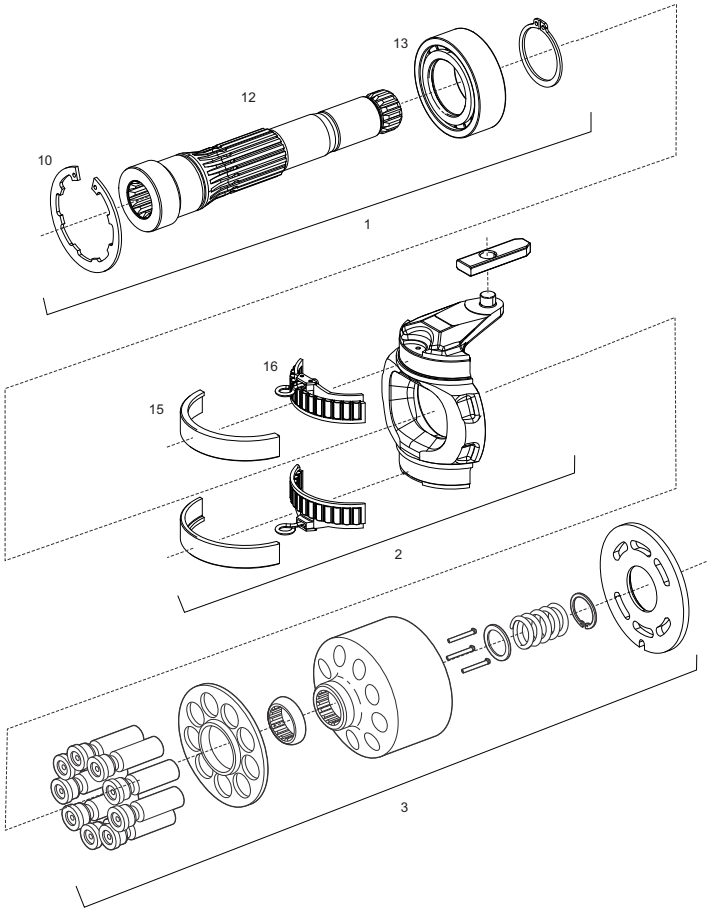
Ref. No.	Part No.	Description	H/F, DJS Pump Quantity
	50351006	PUMP/TANDEM A22	1
1	50353716	GROUP/ROTARY	1
2	50353717	GROUP/ROTARY	1
3	50353721	CONTROL/HYDRAULIC	1
4	50353721	CONTROL/HYDRAULIC	1
7	50353722	CARTRIDGE/CONTROL	1
8	50353718	VALVE/PRESSURE RELIEF	4
9	50353719	VALVE/CHARGE PRESSURE RELIEF	1
13	191712	PUMP/GEAR/INTERNAL	1
21	191714	BEARING/PLAIN ROLLER	2
22	50353723	COUPLER	1
23	50353724	KIT/SEAL (NOT SHOWN)	1

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Hand/Foot and Dual Joystick Tandem Pump 50351006 / 50353716 Engine End



Hand/Foot and Dual Joystick Tandem Pump 50351006 / 50353717 Gear Pump End



198170-198171

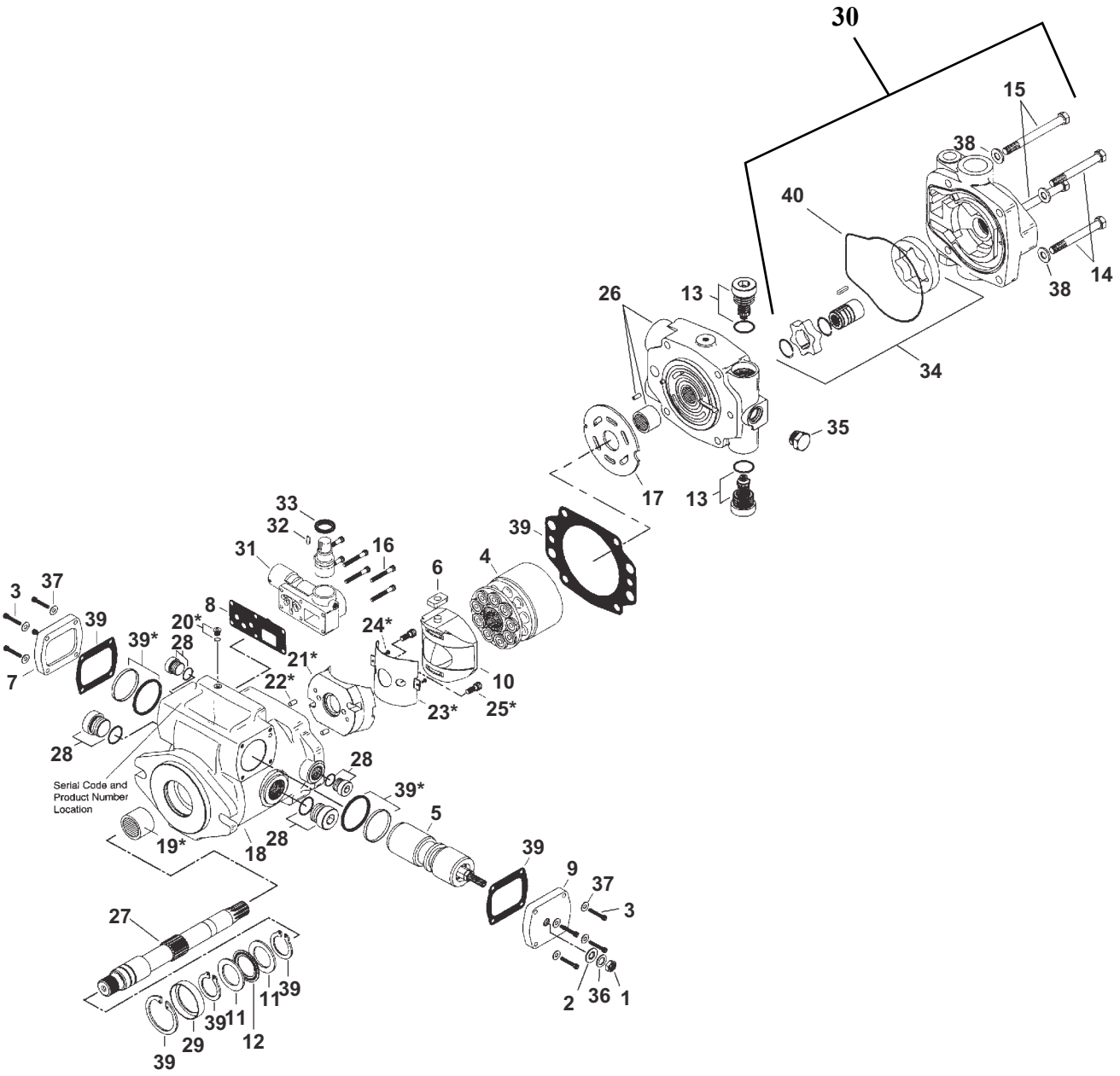
https://truckmanualshub.com/

Ref. No.	Part No.	Description	Quantity Engine End
	50353716	GROUP/ROTARY	1
1	50353731	SHAFT/DRIVE ASSY	1
2	50353730	ASSY/CRADLE	1
3	50353725	GROUP/ROTARY RIGHT	1
10	191717	SEEGER-V-RING	2
11	191718	RING/SHAFT SEAL	1
12	191716	SHAFT/DRIVE RIGHT ROTATION	1
13	50353727	BEARING	1
15	50353729	LINER/BEARING	2
16	50353728	BEARING/CRADLE	2

Ref. No.	Part No.	Description	Quantity Pump End
	50353717	GROUP/ROTARY	1
1	50353732	SHAFT/DRIVE ASSY	1
2	50353730	ASSY/CRADLE	1
3	50353726	GROUP/ROTARY LEFT	1
10	191717	SEEGER-V-RING	1
12	191720	SHAFT/DRIVE LEFT ROTATION	1
13	50353727	BEARING	1
15	50353729	LINER/BEARING	2
16	50353728	BEARING/CRADLE	2

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T-Bar Tandem Pump 186918 / Gear Pump End 186919



Asterisk (*) reference numbers are included in reference number (18) housing assembly.

186918_186919

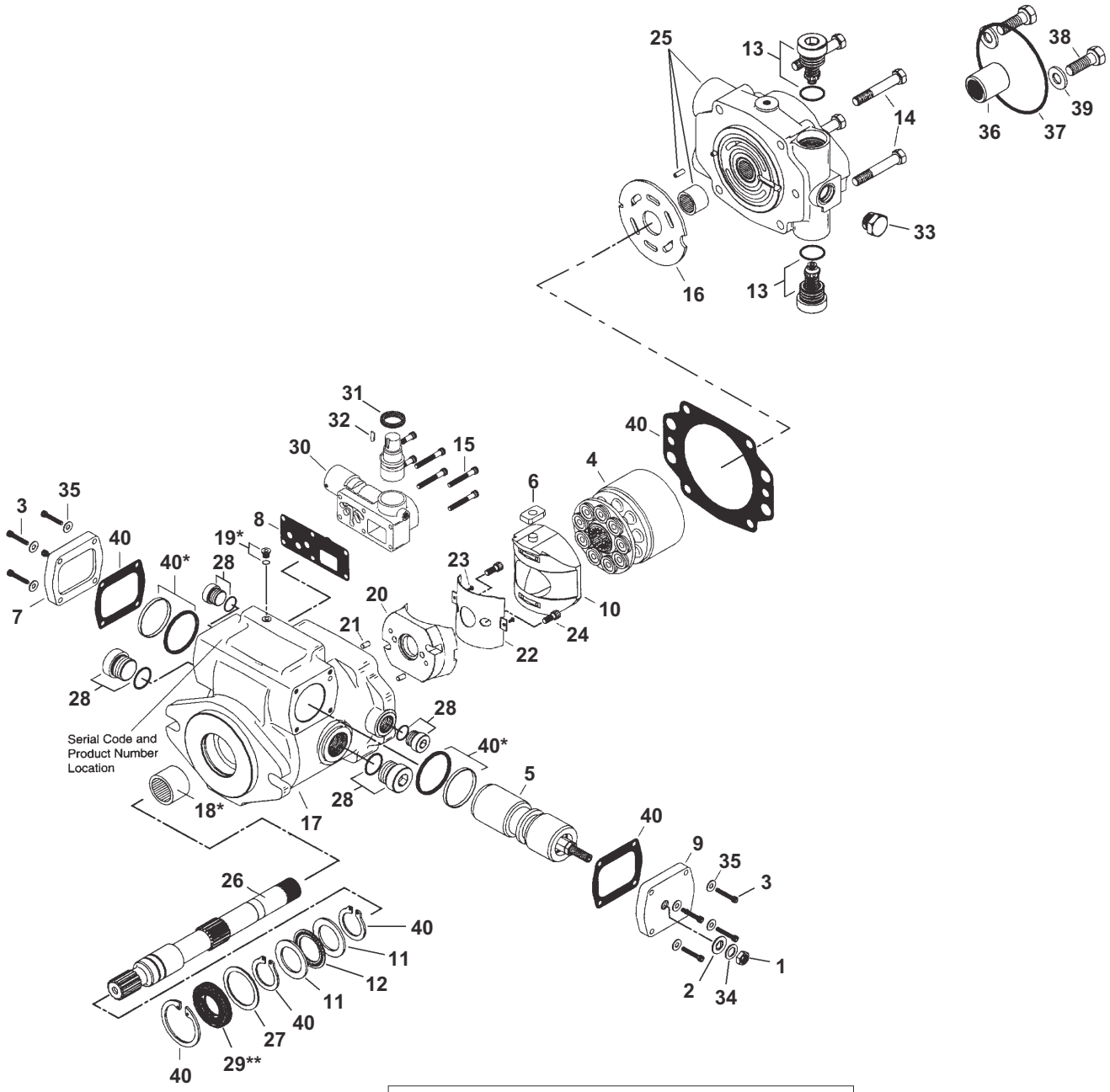
https://truckmanualshub.com/

Ref. No.	Part No.	Description	Quantity 186919 Pump End
	186918	PUMP/TANDEM	1
	186919	PUMP/TANDEM GEAR PUMP END	1
1	123067	NUT/JAM	1
2	123069	WASHER/SEAL	1
3	123122	SCREW/CAP HEX SOCKET HEAD #12 X 1	8
4	184567	KIT/ROTATING	1
5	136978	PISTON/SERVO	1
6	128106	FOLLOWER/PISTON	1
7	123073 a	PLATE/COVER	1
8	127989	GASKET	1
9	123079 a	PLATE/COVER	1
10	123080	PLATE/CAM	1
11	060745	BEARING/RACE THRUST	2
12	060746	BEARING/THRUST	1
13	132647	VALVE/RELIEF 5500 PSI	2
	048953	O-RING	1
14	650731	SCREW/CAP HEX HEAD 3/8 X 3-1/2	2
15	650742	SCREW/CAP HEX HEAD 3/8 X 4	4
16	123123	SCREW/CAP HEX SOCKET HEAD #12 X 1-1/2	6
17	189279	PLATE/VALVE	1
18	187380	ASSEMBLY/HOUSING	1
19	055306	BEARING	1
20	136985	PLUG/SAE04	1
21	136980	CRADLE	1
22	127679	PIN/DOWEL	2
23	136981	BUSHING/CAM	1
24	136994	SCREW/CAP BUTTON HEAD	2
25	136982	SCREW/CAP	2
26	184569	ASSEMBLY/BACKPLATE	1
27	132654	SHAFT/DRIVE	1
28	131529	PLUG/SAE08	4
29	123094	SPACER	1
30	132651	ADAPTER ASSEMBLY/CHARGE (INCLUDES #34)	1
31	187382	ASSEMBLY/CONTROLLER (INCLUDES #32 AND #33)	1
32	127990	KEY	1
33	136986	SEAL/WIPER	1
34	50353153	ASSY/GEROTOR	1
35	136995	PLUG/SAE08	1
36	123110	WASHER	1
37	650854	WASHER/FLAT #12	8
38	136988	WASHER	4
39	128108	KIT/SEAL	1
40	123088	O-RING	1

a) An E-shaped o-ring (not shown) in this cover plate is part of the 128108 seal kit.

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T-Bar Tandem Pump 186918 / Engine End 186920



Asterisk (*) reference numbers are included in reference number (17) housing assembly. Double asterisk (**) reference number is included in seal kit reference number (40).

186918_186920

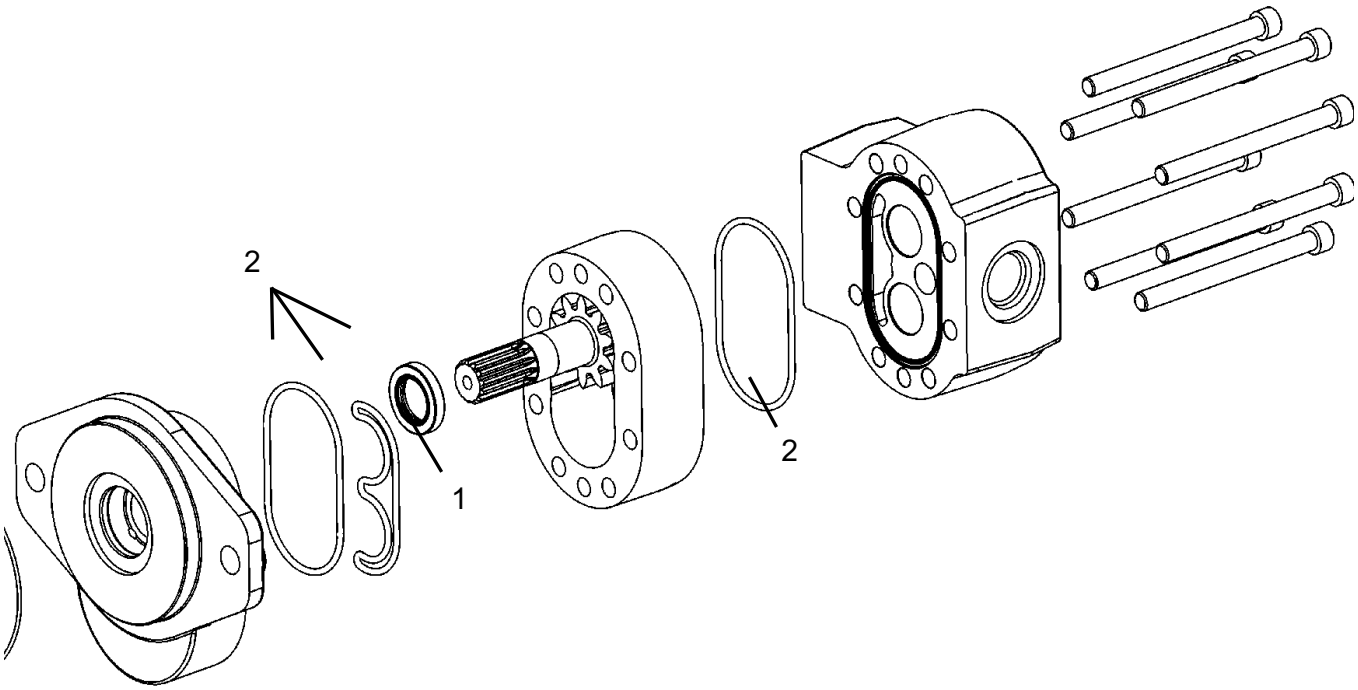
https://truckmanualshub.com/

Ref. No.	Part No.	Description	Quantity 186920 Engine End
	186918	PUMP/TANDEM	1
	186920	PUMP/TANDEM ENGINE END	1
1	123067	NUT/JAM	1
2	123069	WASHER/SEAL	1
3	123122	SCREW/CAP HEX SOCKET HEAD #12 X 1	8
4	184567	KIT/ROTATING	1
5	136978	PISTON/SERVO	1
6	128106	FOLLOWER/PISTON	1
7	123073 a	PLATE/COVER	1
8	127989	GASKET	1
9	123079 a	PLATE/COVER	1
10	123080	PLATE/CAM	1
11	060745	BEARING/RACE THRUST	2
12	060746	BEARING/THRUST	1
13	132647	VALVE/RELIEF 5500 PSI	2
	048953	O-RING	1
14	650535	SCREW/CAP HEX HEAD 3/8 X 2-1/4	4
15	123123	SCREW/CAP HEX SOCKET HEAD #12 X 1-1/2	6
16	189279	PLATE/VALVE	1
17	187381	ASSEMBLY/HOUSING	1
18	055306	BEARING	1
19	136985	PLUG/SAE04	1
20	136980	CRADLE	1
21	127679	PIN/DOWEL	2
22	136981	BUSHING/CAM	1
23	136994	SCREW/CAP BUTTON HEAD	2
24	136982	SCREW/CAP	2
25	184570	ASSEMBLY/BACKPLATE	1
26	123087	SHAFT/DRIVE	1
27	060748	WASHER	1
28	131529	PLUG/SAE08	4
29	123093	SEAL/SHAFT	1
30	187382	ASSEMBLY/CONTROLLER (Includes #31 and #32)	1
31	127990	KEY	1
32	136986	SEAL/WIPER	1
33	136995	PLUG/SAE08	1
34	123110	WASHER	1
35	650854	WASHER/FLAT #12	8
36	123114	COUPLER	1
37	132248	O-RING	1
38	650433	SCREW/CAP 1/2 X 1-1/4	2
39	654009	WASHER/FLAT 1/2	2
40	128108	KIT/SEAL	1

a) An E-shaped o-ring (not shown) in this cover plate is part of the 128108 seal kit.

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Standard Auxiliary



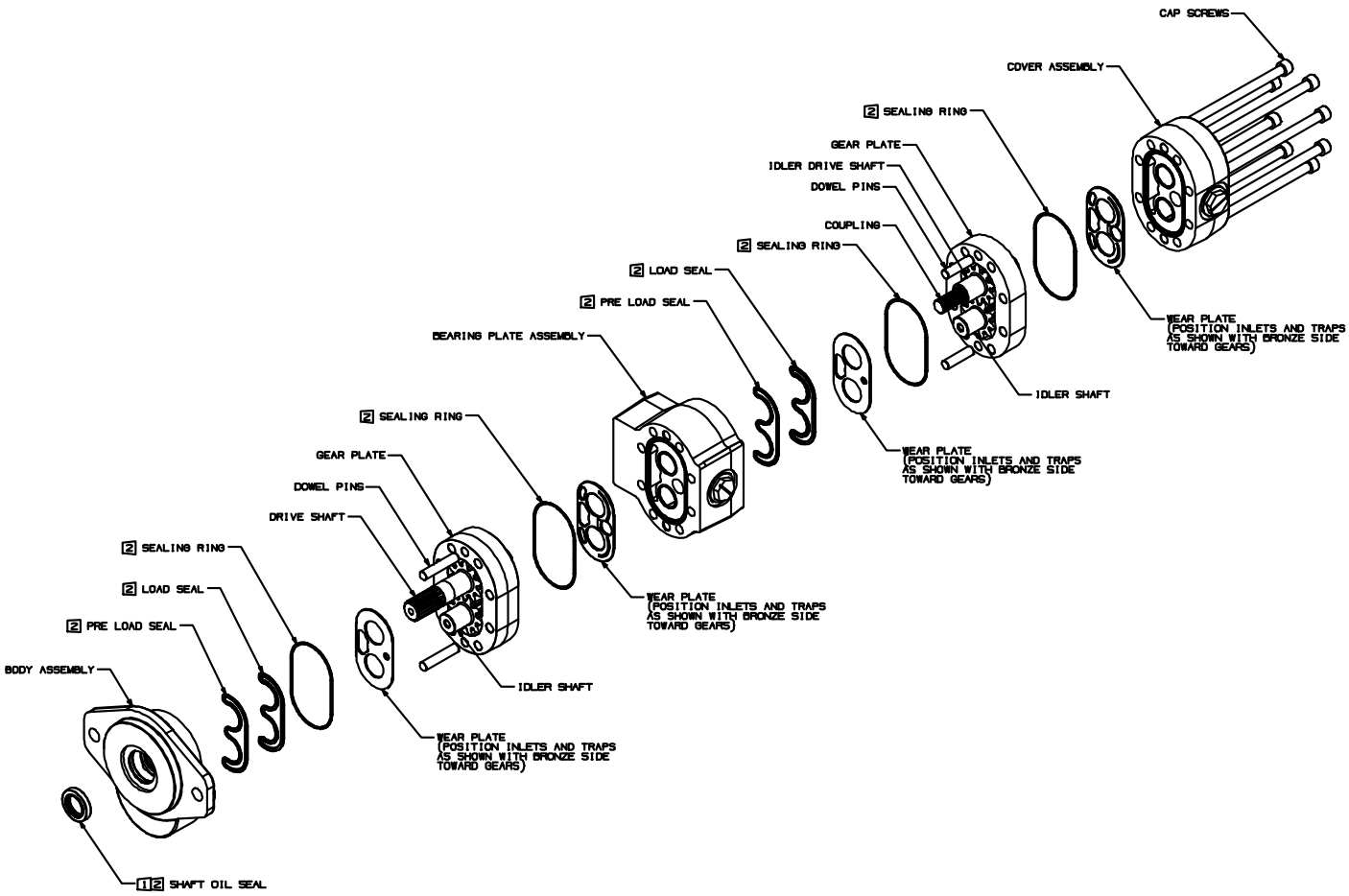
50352625

https://truckmanualshub.com/

Ref. No.	Part No.	Description	Quantity
	50352625	PUMP/SINGLE 36 CC	
1	50280056	KIT/SEAL	1
2	50280251	KIT/SEAL (INCLUDES REF ITEM #1)	1

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High-Flow Auxiliary



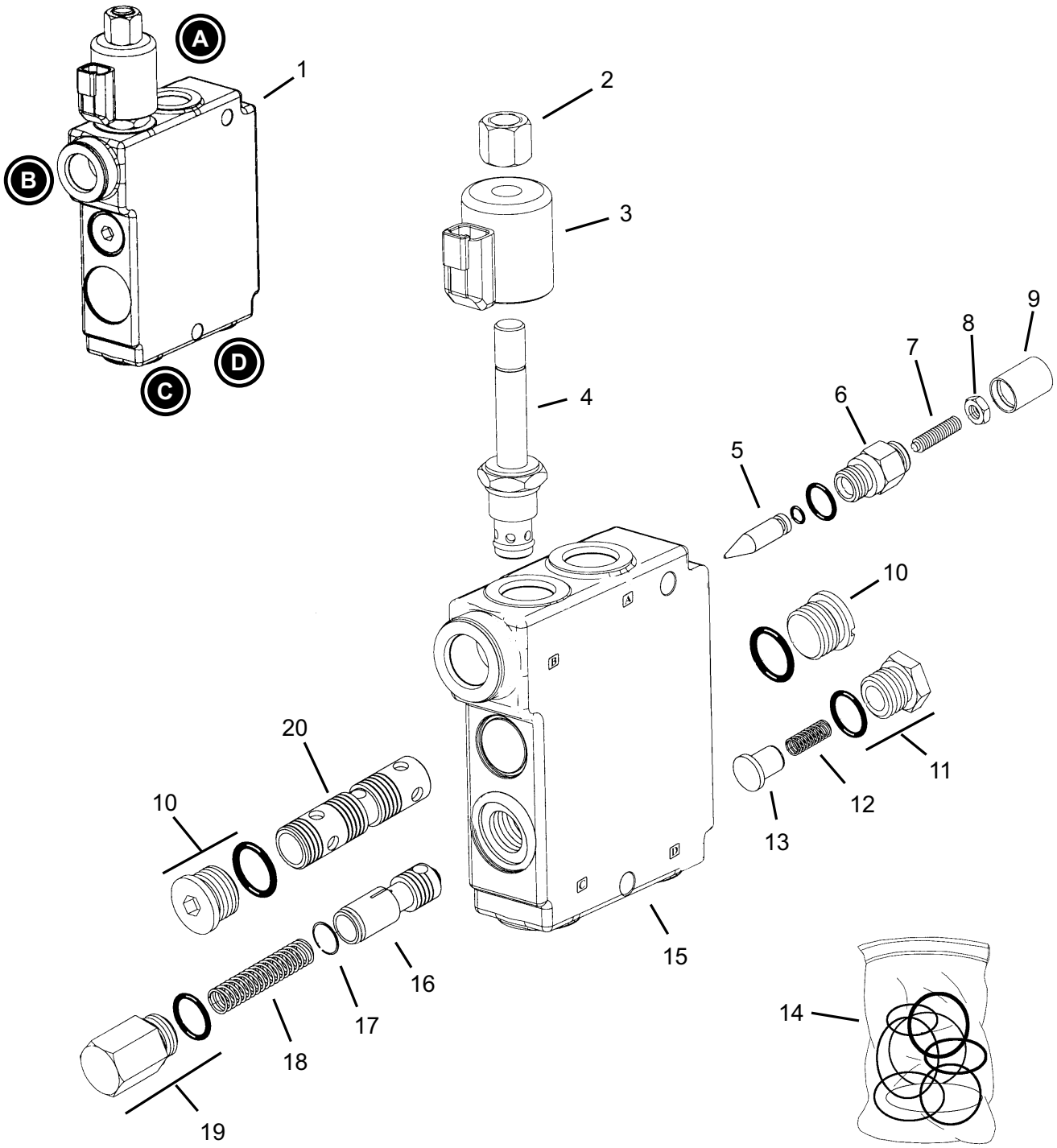
50352474

https://truckmanualshub.com/

Ref. No.	Part No.	Description	High-Flow Quantity
	50352474	PUMP/GEAR 36 + 17	1
1	50280056	KIT/SEAL	1
2	50280057	KIT/SEAL	1

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SELF-LEVELING VALVE



271958

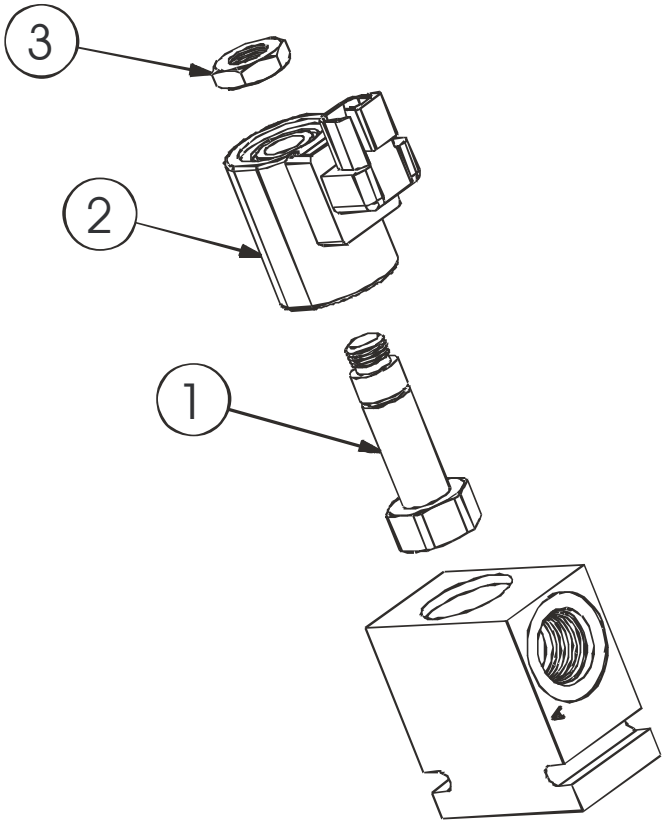
https://truckmanualshub.com/

Ref. No.	Part No.	Description	Quantity
	271958	VALVE/SELF-LEVELING W/ BYPASS	1
2	NSS	NUT/COIL (Included with item #4)	1
3	50280058	COIL	1
4	50280059	CARTRIDGE	1
5	080808	PIN	1
6	080809	CAP/ADJUSTMENT	1
7	080811	SCREW/SET	1
8	080810	NUT	1
9	NSS	COVER	1
10	080813	ASSEMBLY/PLUG (Includes o-ring)	2
11	088472	ASSEMBLY/PLUG (Includes o-ring)	1
12	088471	SPRING	1
13	088473	CHECK/LOAD	1
14	129066	KIT/SEAL	1
15	NSS	BODY	1
16	NSS	SPOOL	1
17	350-27299	RING/RETAINING	1
18	089961	SPRING	1
19	129004	ASSEMBLY/PLUG	1
20	NSS	SPOOL	1

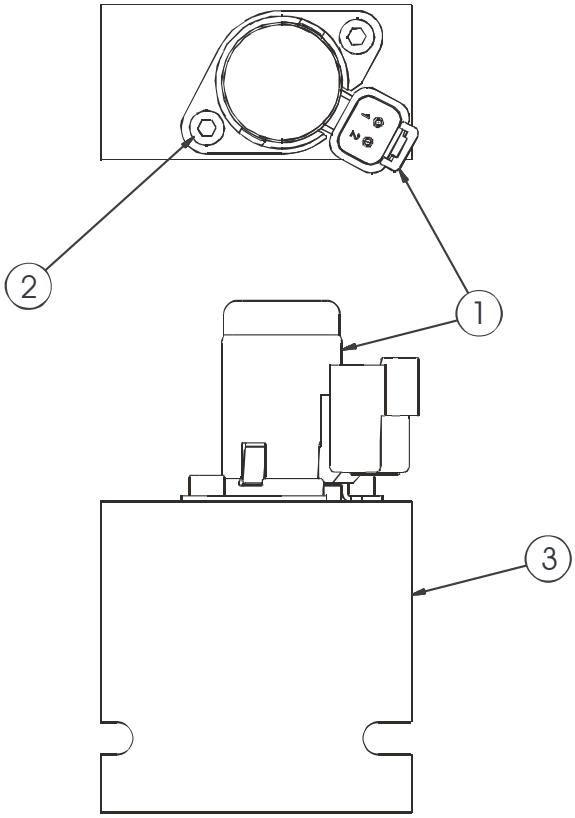
https://truckmanualshub.com/

LIFT AND TILT SOLENOID VALVE

50352555 Valve



50351211 Valve



50352555_50351211

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LIFT AND TILT SOLENOID VALVE

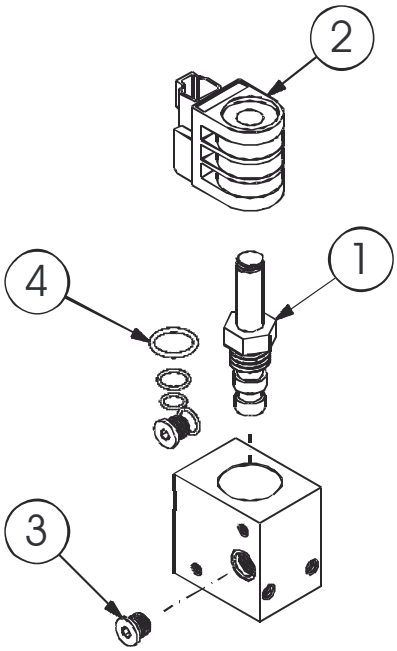
Ref. No.	Part No.	Description	Quantity
	50352555	VALVE/SOLENOID	
1	50250294	2W N.C. SPOOL VALVE	1
2	50250295	COIL, 12 VDC W/DIODE	1
3	244272	COIL NUT	1

Ref. No.	Part No.	Description	Quantity
	50351211	VALVE/HYDRAULIC SOLENOID THREE-WAY	
1	244655	VALVE/SOLEOID W/ SCREEN	1
2	240197	SCREW/CAP SOCKET HEAD M5 X 10 MM	2
3	NSS	BODY/VALVE	1
4	240202	KIT/SEALKit V98-T39 (NOT SHOWN)	1

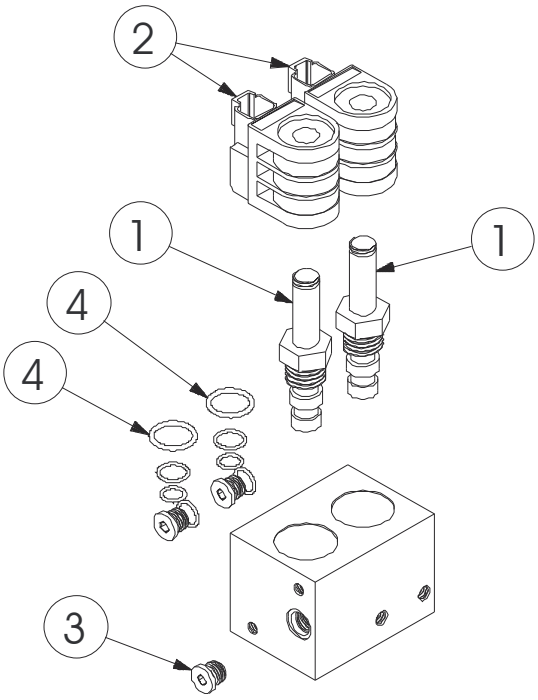
https://truckmanualshub.com/

SOLENOID VALVES - BRAKE, JOYSTICK SUPPLY AND BRAKE RELEASE

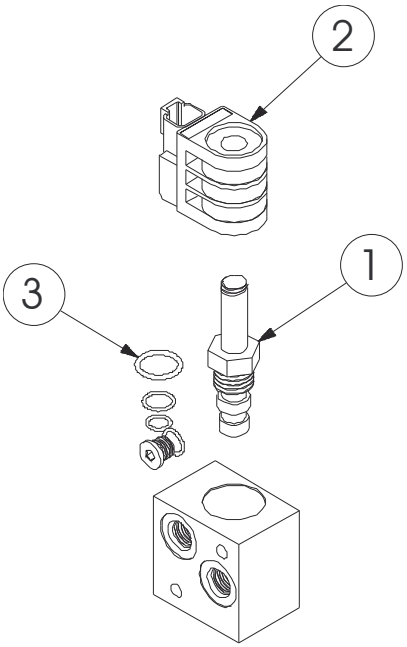
Single-Speed - 240056



Two-Speed - 240057



Joystick Supply - 50352381



240056_240057_50352381

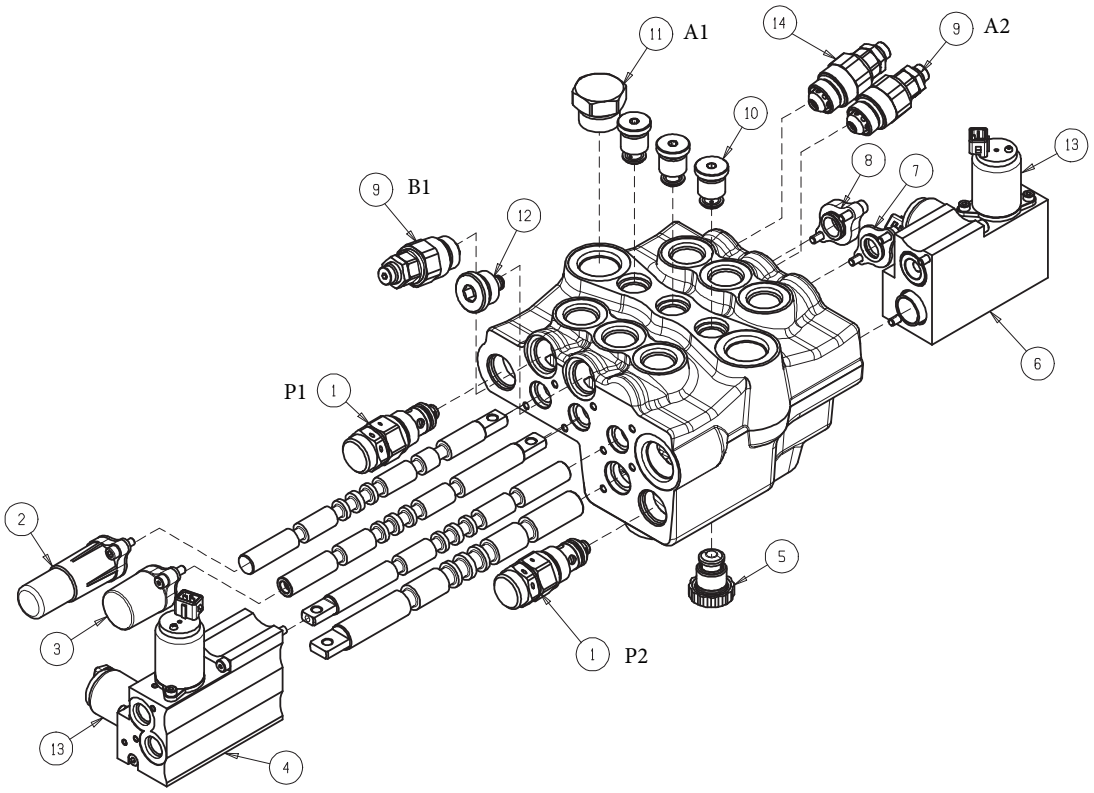
https://truckmanualshub.com/

SOLENOID VALVES - BRAKE, JOYSTICK SUPPLY AND BRAKE RELEASE

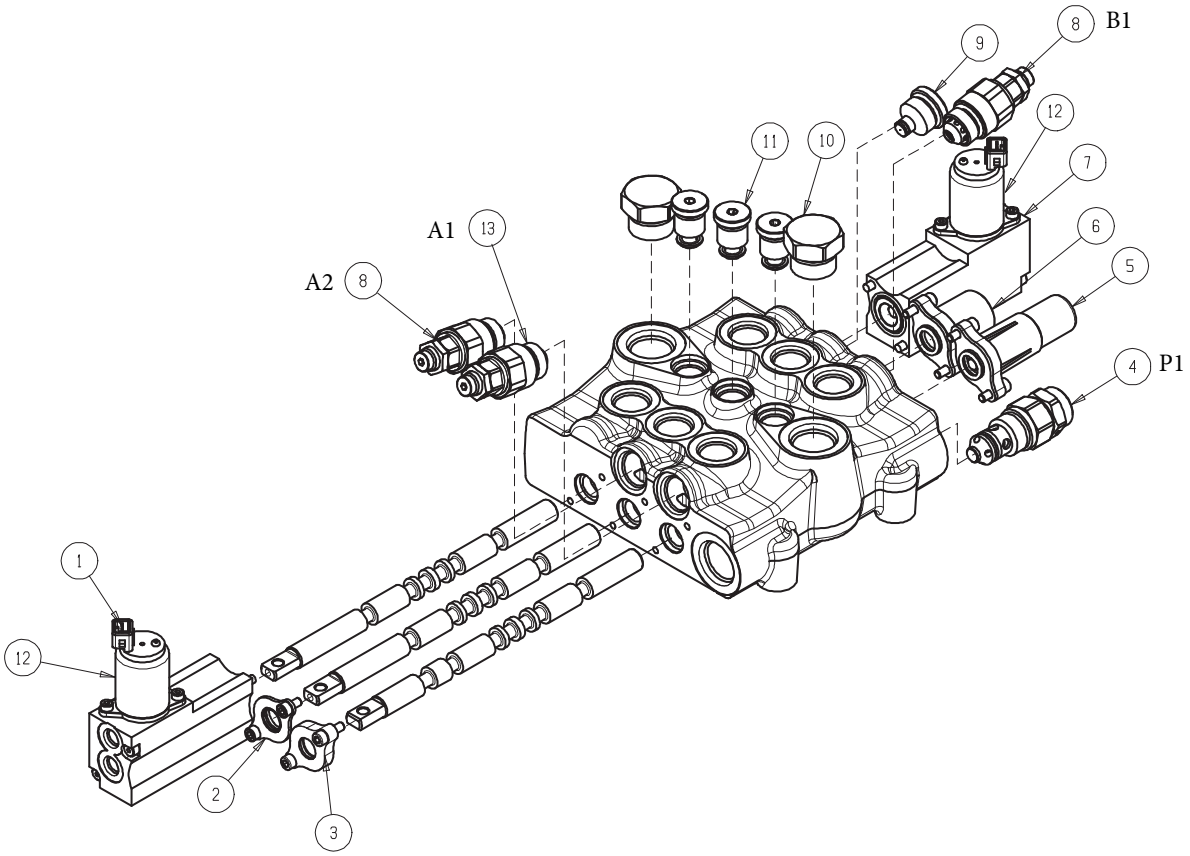
Ref. No.	Part No.	Description	Quantity Single	Two	Joystick
	240056	VALVE/BRAKE	1	-	-
	240057	VALVE/BRAKE TWO-SPEED	-	1	-
	50352381	VALVE/JOYSTICK SUPPLY	-	-	1
1	50352380	CARTRIDGE	-	-	1
	243248	CARTRIDGE	1	2	-
2	243249	COIL	1	2	1
3	243250	PLUG	1	1	-
4	243263	KIT/SEAL	1	2	1
4	NSS	BODY	1	1	1

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High-Flow Control Valve 50351229 - T-Bar Controls



Standard Control Valve 50351275 - T-Bar Controls



50351275_50351229

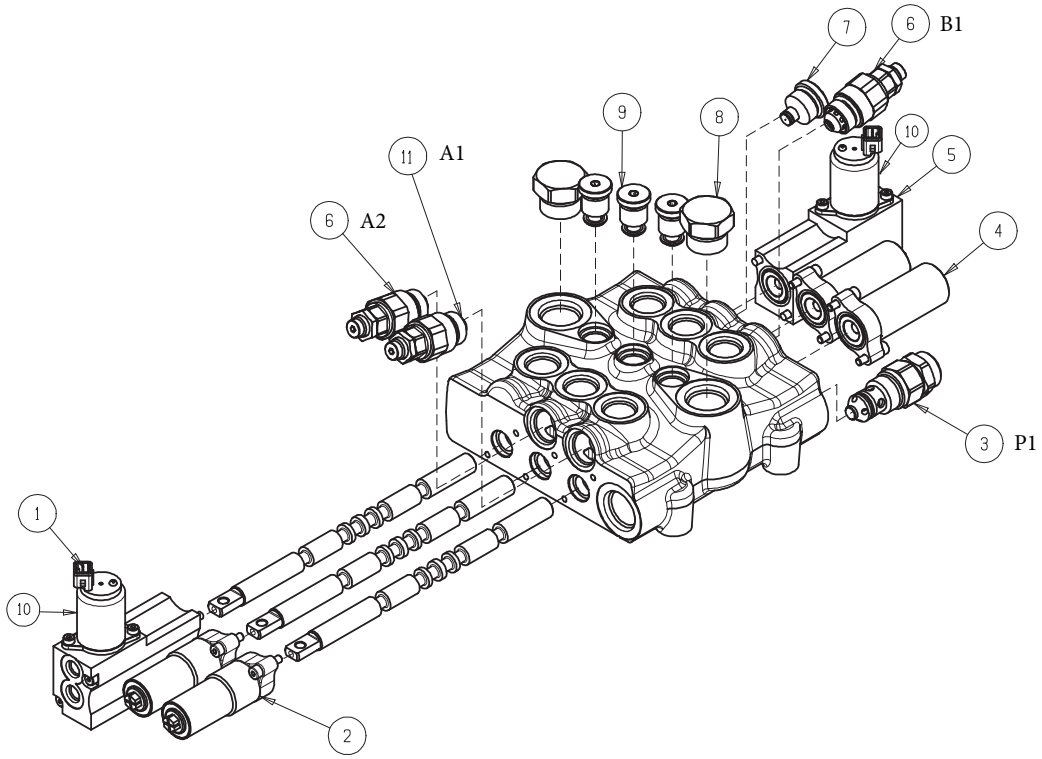
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Ref. No.	Part No.	Description	T-Bar High-Flow 50351229
	50351229	VALVE/FOUR-SPOOL MANUAL	
1	50280176	MAIN RELIEFT/SK6 201-420 BAR	2
2	240286	KIT/DETENT/LIFT	1
	50353666	HYD PROPORTIONAL COMMAND 5-15 BAR	1
3	240287	SPOOL RETURN ACTION KIT	1
4	50353570	SK6 COMMAND ELCTRO HYD SPOOL 3 & 4 FRONT SIDE	1
5	103052	CHECK VALVE	1
6	50353569	SK6 COMMAND ELCTRO HYD SPOOL 3 & 4 BACK SIDE	1
7	240289	SEAL RETAINER/FLOAT	1
8	240288	SEAL RETAINER	1
9	50353568	PORT RELIEF 3500 PSI	2
10	240272	KIT/CHECK VALVE	3
11	103060	PLUG KIT 1-1/16-12 UNF	1
12	240274	PLUG KIT	1
13	50280185	COIL/12V DC	4
14	50354512	PORT RELIEF 2350 PSI	1
15	50353654	KIT/SEAL (NOT SHOWN)	1

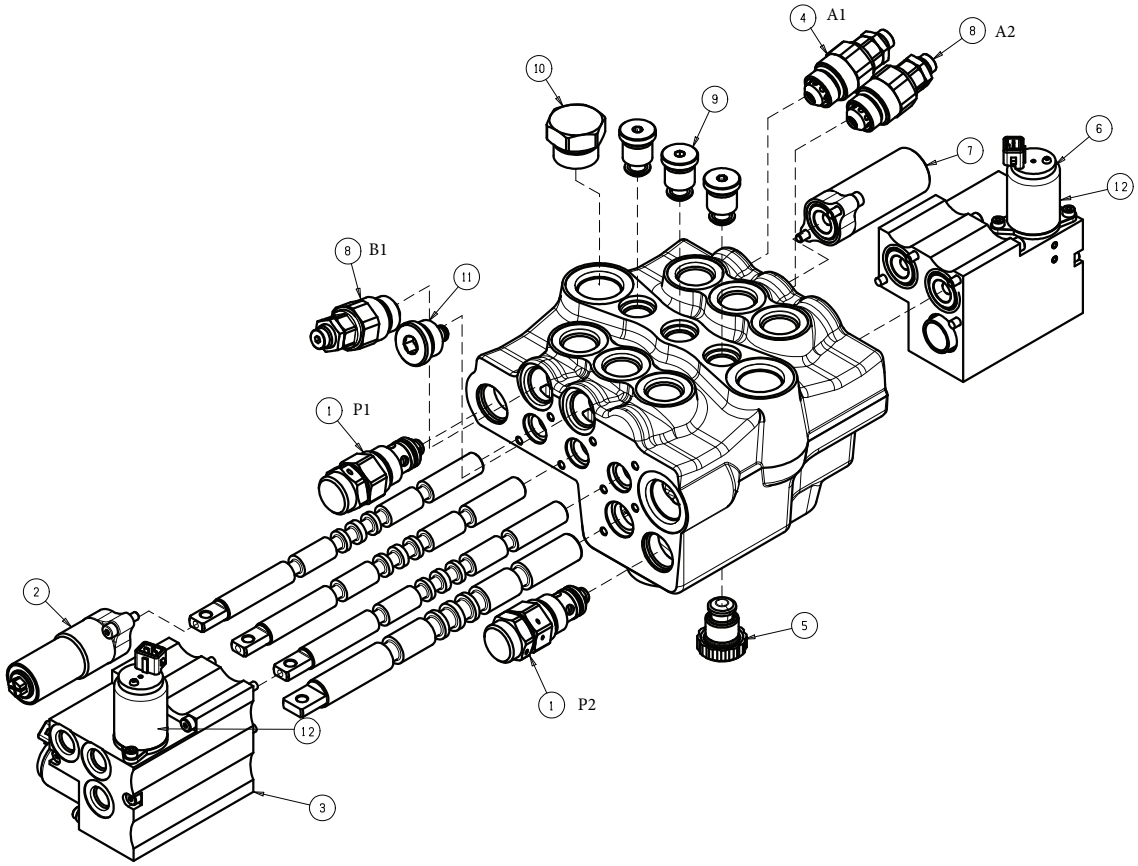
Ref. No.	Part No.	Description	T-Bar Standard 50351275
	50351275	VALVE/THREE-SPOOL MANUAL	
1	50353586	KIT ELECTRO HYD SPOOL 12V FRONT	1
2	240289	SEAL RETAINER/FLOAT	1
3	240288	SEAL RETAINER	1
4	50280176	MAIN RELIEF/SK6 201-420 BAR	1
5	240286	DETENT KIT	1
	50353666	HYD PROPORTIONAL COMMAND 5-15 BAR	1
6	240287	SPOOL RETURN ACTION KIT	1
7	50353575	KIT ELECTRO HYD SPOOL 12V REAR	1
8	50353568	PORT RELIEF 3500 PSI	2
9	240274	PLUG KIT	1
10	103060	PLUG KIT 1-1/6-12 UNF	2
11	240272	CHECK VALVE KIT	3
12	50280185	COIL/12V DC	2
13	50354512	PORT RELIEF 2350 PSI	1
14	50353655	KIT/SEAL (NOT SHOWN)	1

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Standard Control Valve 50351274 - Hand/Foot, Dual Hand and Dual Joystick Controls



High-Flow Control Valve 50351078- Hand/Foot, Dual Hand and Dual Joystick Controls



50351274_50351078

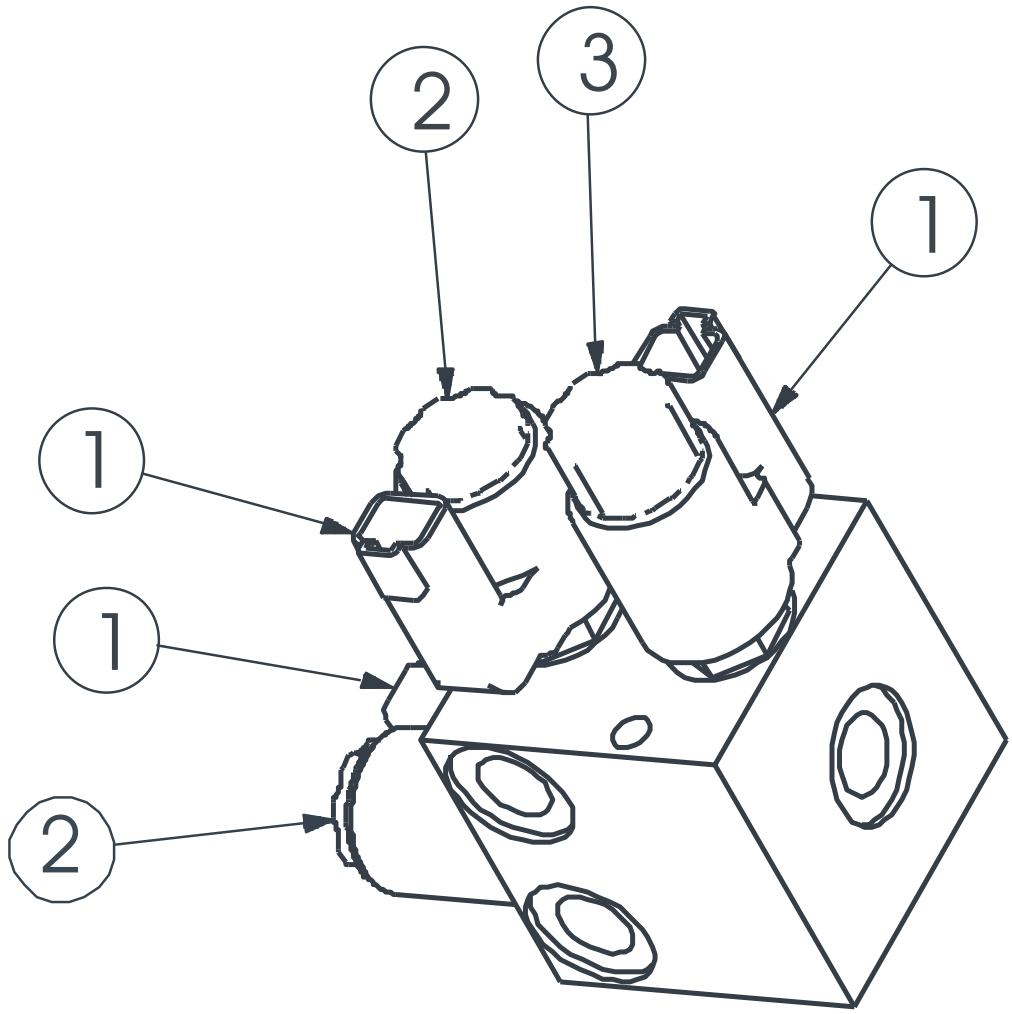
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Ref. No.	Part No.	Description	H/F, DH, DJS Standard 50351274
	50351274	VALVE/THREE-SPOOL PILOT	
1	50353586	KIT ELECTRO HYD SPOOL 12V FRONT	1
2	240276	ANTERIOR HYDRAULIC CONTROL	2
3	50280176	MAIN RELIEFT/SK6 201-420 BAR	1
4	240273	REAR HYDRAULIC CONTROL	2
	50353665	HYD PROPORTIONAL COMMAND 5-15 BAR	1
5	50353575	KIT ELECTRO HYD SPOOL 12V REAR	1
6	50353568	PORT RELIEF 3500 PSI	2
7	240274	PLUG KIT	1
8	103060	PLUG KIT 1-1/16-12 UNF	2
9	240272	CHECK VALVE KIT	3
10	50280185	COIL/12 VDC	2
11	50354512	PORT RELIEF 2350 PSI	1
12	50353668	KIT/SEAL (NOT SHOWN)	1

Ref. No.	Part No.	Description	H/F, DH, DJS High-Flow 50351078
	50351078	VALVE/FOUR-SPOOL PILOT	
1	50280176	MAIN RELIEF/SK6 201-420 BAR	2
2	240276	ANTERIOR HYDRAULIC CONTROL	1
3	50353573	ELEC HYD SPOOL 3 & 4 FRONT SIDE	1
4	50354512	PORT RELIEF 2350 PSI	1
5	103052	CHECK VALVE	1
6	50353572	ELEC HYD SPOOL 3 & 4 BACK SIDE	1
7	240273	REAR HYDRAULIC CONTROL	1
	50353665	HYD PROPORTIONAL COMMAND 5-15 BAR	1
8	50353568	PORT RELIEF 3500 PSI	2
9	240272	CHECK VALVE KIT	3
10	103060	PLUG KIT 1-1/6-12 UNF	1
11	240274	PLUG KIT	1
12	50280185	COIL/12 VDC	4
13	50353667	KIT/SEAL (NOT SHOWN)	1

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HYGRAGLIDE™ RIDE CONTROL MANIFOLD



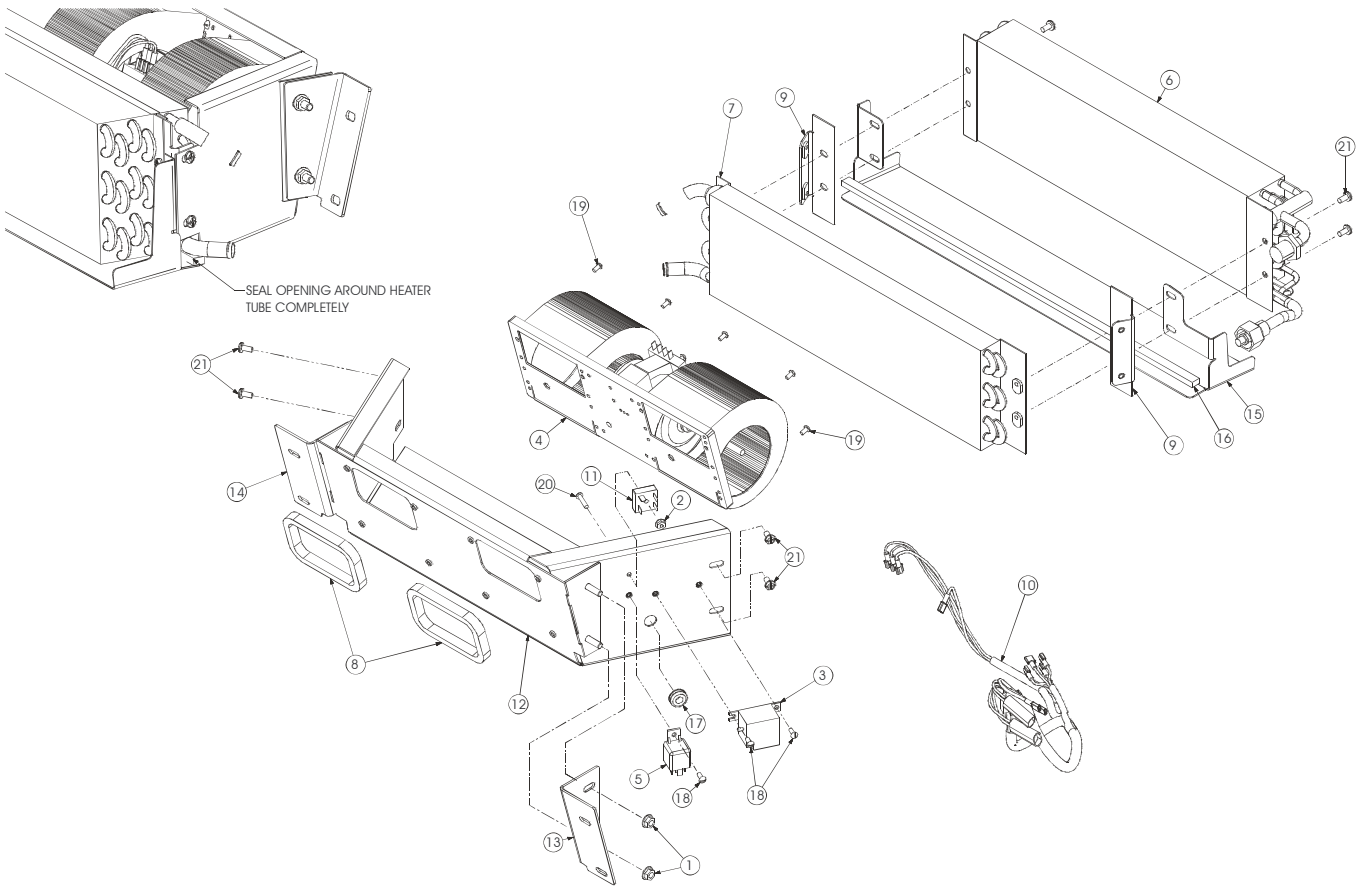
184363

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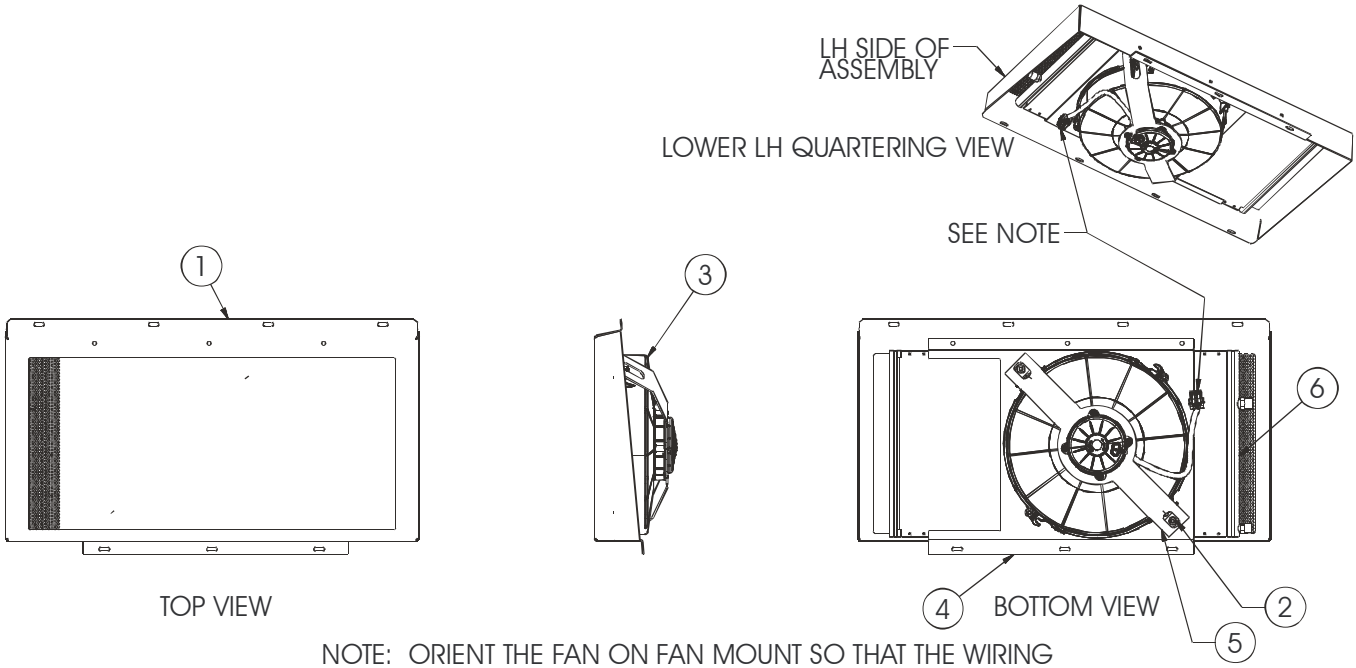
Ref. No.	Part No.	Description	Quantity Hydraglide™
	184363	ASSY/MANIFOLD	1
1	184384	COIL	3
2	184389	CARTRIDGE	2
3	184388	CARTRIDGE	1

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CONDENSOR, HEATER HOUSING AND HVAC HOUSING ASSEMBLY



243076 Condensor Assembly



240461_243007_243076

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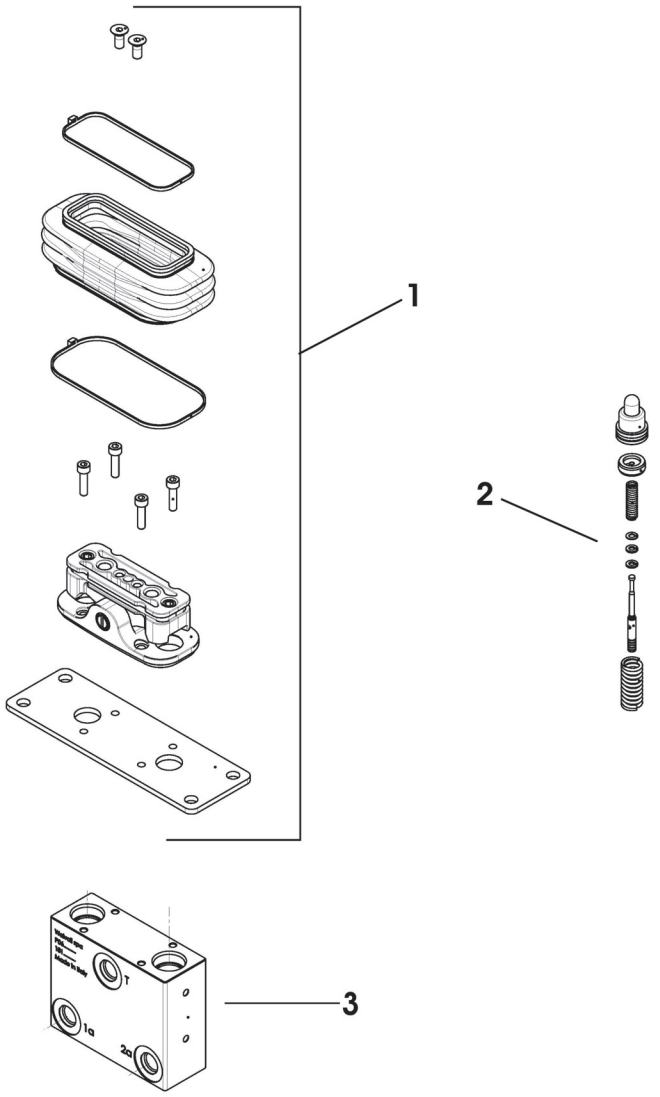
CONDENSOR, HEATER HOUSING AND HVAC HOUSING ASSEMBLY

Ref. No.	Part No.	Description	Quantity Heater / HVAC
	240461	ASSEMBLY/HVAC HOUSING	1
	243007	ASSEMBLY/HEATER HOUSING	1
1	131842	NUT/SPIRALOCK™ 5/16	4
2	137797	NUT/SERRATED FLANGE #10	1
3	138623	SWITCH/PRESET COLD CONTROL (HVAC ONLY)	1
4	186151	BLOWER/DOUBLE	1
	194981	CONTROLLER/FAN SPEED (INCLUDES RESISTOR BLOCK)	1
5	242145	RELAY/SEALED	1
6	242471	EVAPORATOR (HVAC ONLY)	1
7	242477	CORE/HEATER	1
8	242478	FOAM/SEAL HVAC HOUSING	2
9	242842	FLANGE/CORE MOUNT	2
10	242874	HARNESS/HVAC BOX	1
11	242875	PACK/RECTIFIER	1
12	243383	MOUNT/BLOWER	1
13	243385	BRACKET/MOUNTING HVAC HOUSING LEFT	1
14	243386	BRACKET/MOUNTING HVAC HOUSING RIGHT	1
15	244804	PLATE/DRIP HVAC (HVAC ONLY)	1
16	244806	PAD/SEALING (HVAC ONLY)	1
17	420-36134	GROMMET 3/8	1
18	650548	SCREW/MACHINE ROUND HEAD #10 X 1/2 (HVAC ONLY)	3
	650548	SCREW/MACHINE ROUND HEAD #10 X 1/2 (HEATER ONLY)	9
19	650980	SCREW/MACHINE ROUND HEAD #10 X 3/8 (HVAC ONLY)	8
20	651192	SCREW/MACHINE ROUND HEAD CROSS RECESSED #10 X 1	1
21	651307	SCREW/MACHINE PAN HEAD CROSS RECESSED 1/4 X 1/2	8

Ref. No.	Part No.	Description	Quantity Condensor Assy
1	194701	COVER/CONDENSOR	1
2	210-32184	NUT/CENTERLOCK FLANGE 1/4	6
3	243075	FAN/CONDENSER	1
4	243078	MOUNT/FAN	1
5	NSS	BRACKET/CONDENSOR SUPPORT	1
6	L500595	CORE/CONDENSOR/AC	1

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FOOT VALVE



Ref. No.	Part No.	Description	Quantity Foot Valve
	193335	VALVE/FOOT	
1	50351499	KIT/KINEMAMTIC	1
2	50351505	KIT/CURVE	1
3	50351506	BODY/VALVE	1

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50850001 Counterweight Kit 199
50352739 Auxiliary Coupler Service Kits 199
811496 Warning Lamp Kit 200
811488 Rearview Mirror Kit 201
811489 AM/FM Radio Kit 202
3-Point Restraint - 2" Seat Belt 810426 and 3" Seat Belt 810427 203
50850344 Backup Alarm Kit for T-Bar Controls 204
805855 Engine Block Heater Kit 205
50850284 Cab Door Kit 206
811487 Side Window Kit 208
Seat Belt Kits - 2" 810424 and 3" 810425 209
Seat Kits - Suspension 810422 and Standard 810423 209
810946 Universal Radio Kit 210
50850341 Dual Flasher Kit 211
50850116 Impact-Resistant Front Door Kit 212
50850328 Four-Point Lift Kit 213
811486 Backup Alarm Kit for Dual Joystick and Hand/Foot 214
50850357 Rear Wiper Kit 215
50850374 Power-A-Tach Kit. 216
50450384 Completing Kit for all Power-A-Tach Kits 218
50850396 Cab Heater Kit 219
50850475 Electric Attachment Control Kit. 222
50850457 Single-Point Lift Kit 223
50850556 Pre-Cleaner Kit (Non-DPF Models). 224
50850572 (EU & X-Series) Backup Alarm Kit 225

Analysis Kits - Contact your Gehl Dealer

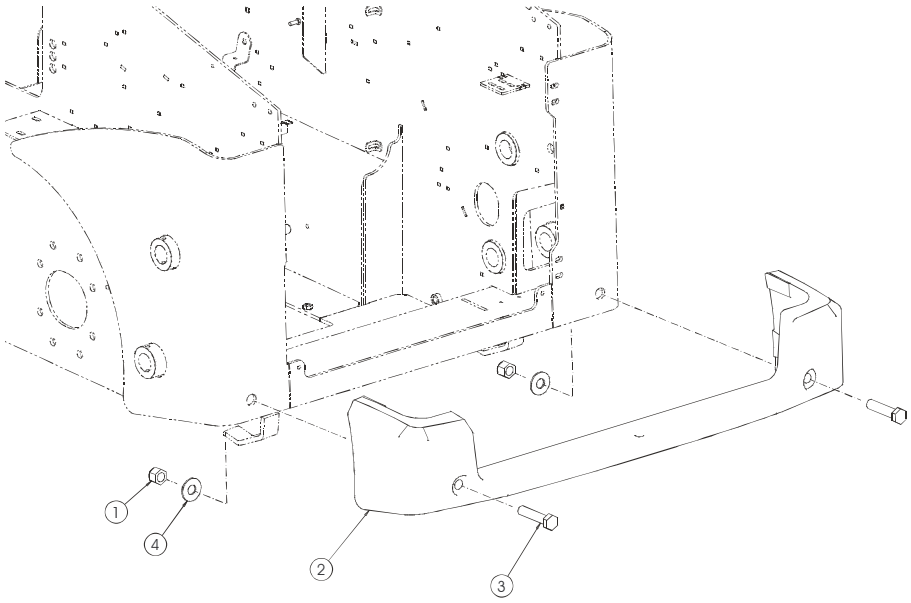
Hydraulic Oil Analysis Kits (10). 272806
Engine Oil Analysis Kits (10) 272809
Fuel Analysis Kit (1) 272811
Coolant Analysis Kits (10) 272812

Filters and Other Available Accessories

Filter/Fuel Separator - DPF Models 50352550
Filter/Fuel Separator - Non-DPF Models 245005
Filter/Hydraulic Oil 074830
Filter/Fuel - DPF Models. 50352551
Filter/Fuel - Non-DPF Models 193024
Filter/Oil 195568
Filter Element/Primary Air - DPF Models 50352454
Filter Element/Primary Air - Non-DPF Models 184146
Filter Element/Secondary Air - DPF Models 50352455
Filter Element/Secondary Air - Non-DPF Models 184195
Dual Joystick Orifice Kit. 811432
Bolt-On Cutting Edge Kit for 54" Bucket (2008 Bucket Consolidation Project) 192917
Bolt-On Cutting Edge Kit for 60" Bucket (2008 Bucket Consolidation Project) 192918
Bolt-On Cutting Edge Kit for 61.5" Bucket (2008 Bucket Consolidation Project) 192919
Bolt-On Cutting Edge Kit for 66" Bucket (2008 Bucket Consolidation Project) 192920

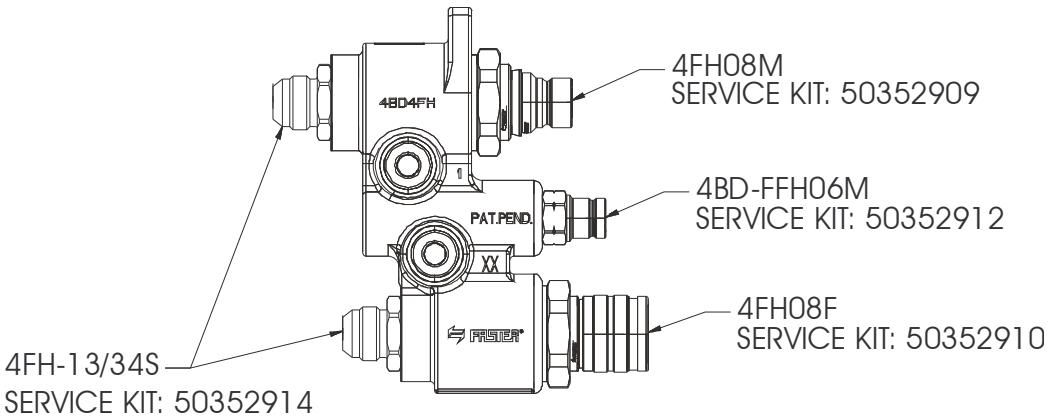
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Counterweight Kit 50850001



Ref. No.	Part No.	Description	Qty.
	50850001	KIT/COUNTERWEIGHT	
1	132681	HLN INST 1 CZY	2
2	244322	COUNTERWEIGHT/CAST	1
3	651816	CS 1X4-1/2 C5ZY	2
4	654016	FW 1 AWZY	2

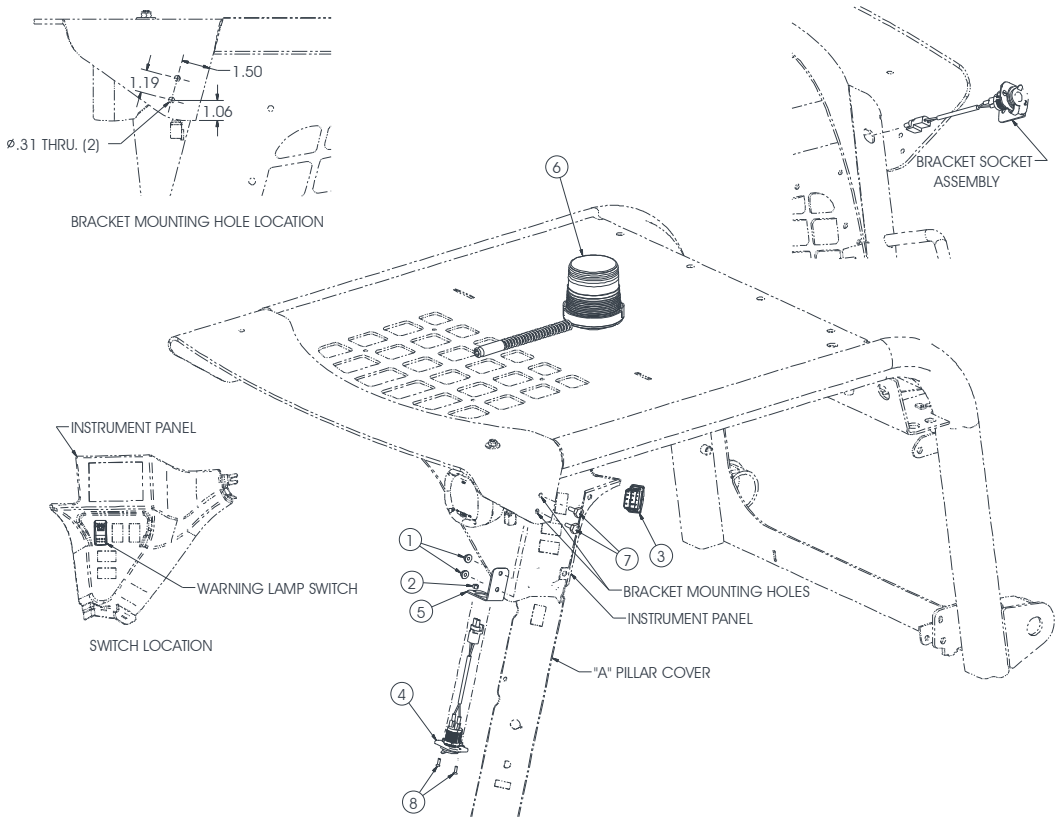
50352739 Auxiliary Coupler Service Kits



Ref. No.	Part No.	Description	Qty.
	50352739	BLOCK/COUPLER PRESS RELIEF	
	50352909	KIT/SERVICE MALE QUICK-COUPLER	1
	50352910	KIT/SERVICE FEMALE QUICK-COUPLER	1
	50352912	KIT/SERVICE RETURN QUICK-COUPLER	1
	50352914	KIT/SERVICE 3/4 SAE FITTING	1

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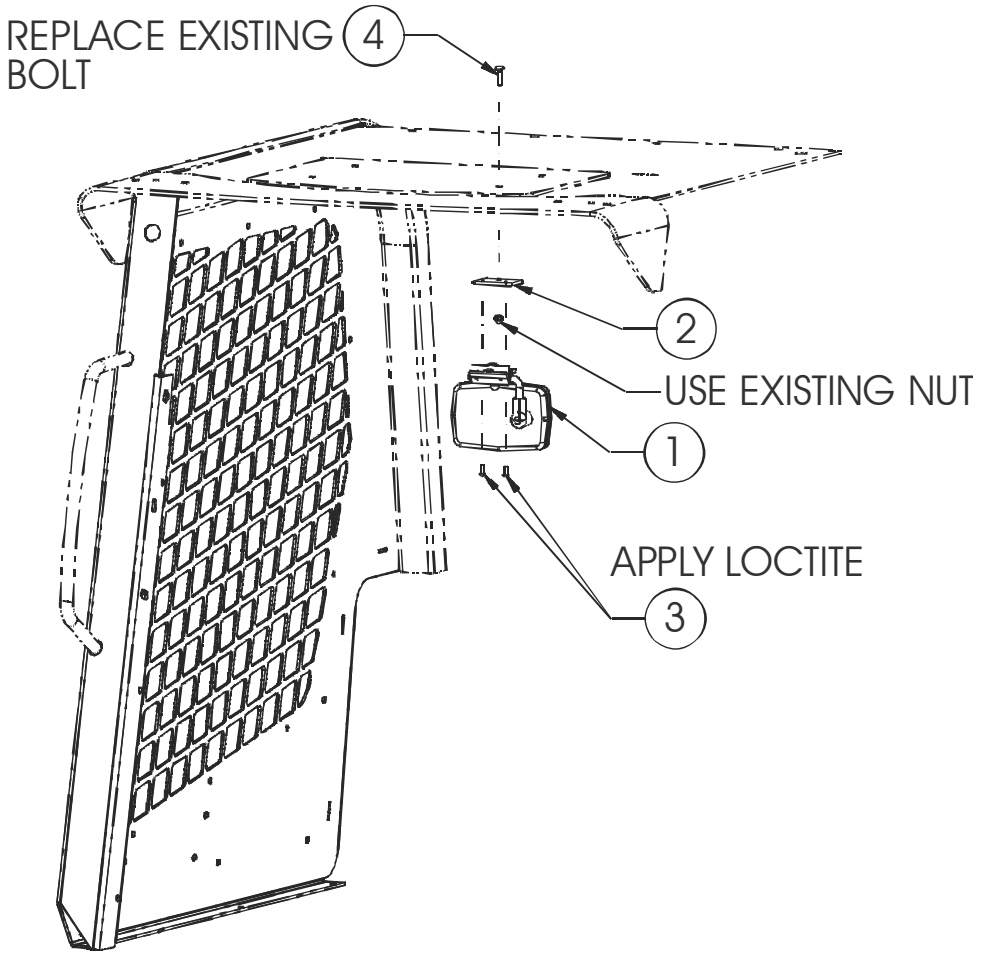
Warning Lamp Kit 811496



Ref. No.	Part No.	Description	Qty.
	811496	KIT/WARNING LAMP	
1	134588	NUT/SPIRALOCK 1/4-20	2
2	210-32183	HN/NYLON INSERT #8-32 ZY	2
3	242326	SWITCH/WARNING LAMP	1
4	243376	SOCKET/12V	1
5	243378	BRKT/SOCKET MTG	1
6	197960	BEACON WITH BULB	1
7	650663	CS 1/4x5/8 C5ZY	2
8	651642	SCREW FCHM SLTD #832X1/2	2

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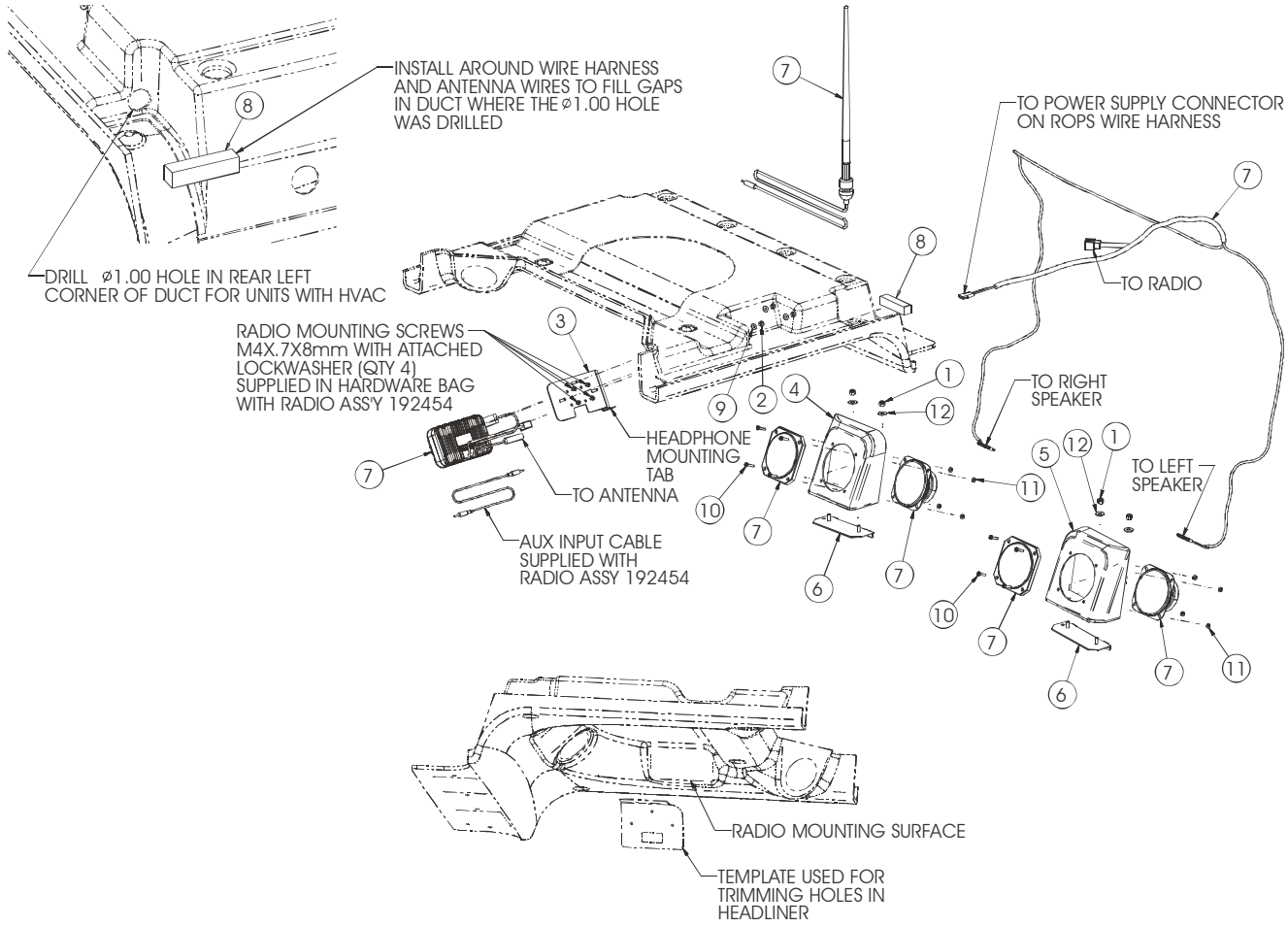
Rearview Mirror Kit 811488



Ref. No.	Part No.	Description	Qty.
	811488	KIT/REARVIEW MIRROR	
1	132353	REARVIEW MIRROR	1
2	242805	MTG PLATE/MIRROR	1
3	650548	RHMS SLT #1024X1/2 CZY	2
4	50657002	CB 1/4x7/8 C5ZY	1

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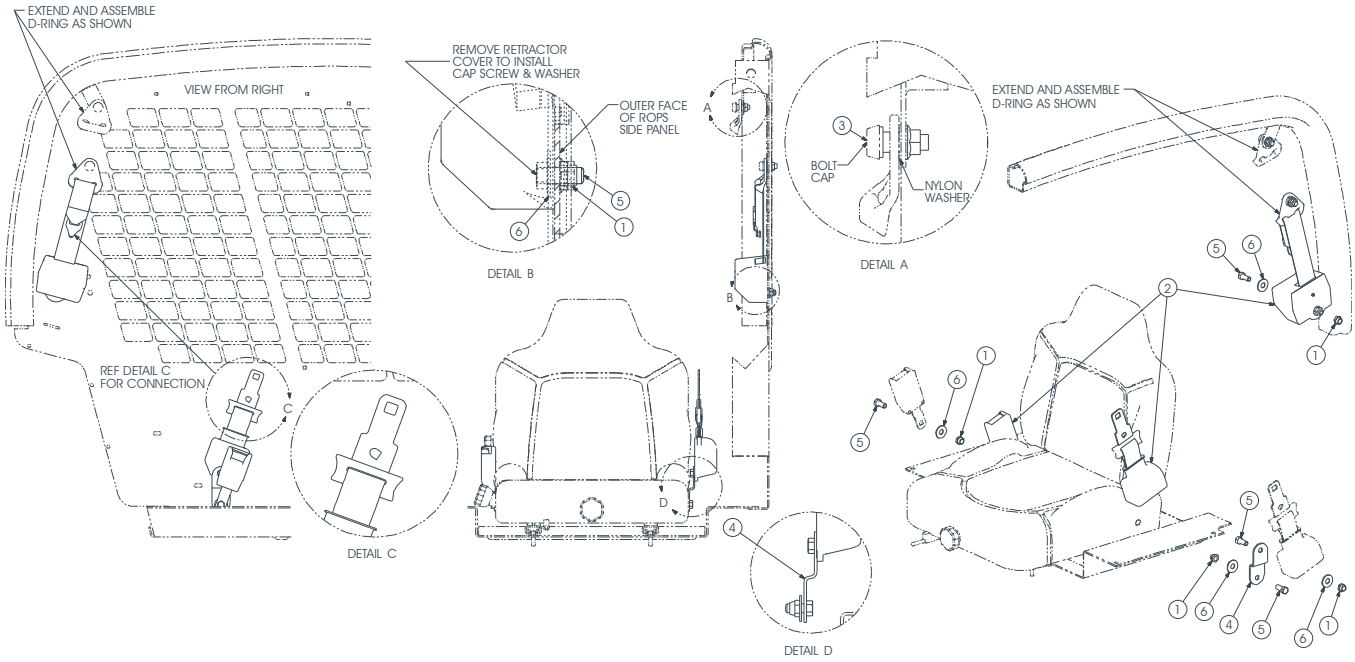
AM/FM Radio Kit 811489



Ref No.	Part No.	Description	Qty.
	811489	KIT/AM-FM RADIO	
1	071401	HLN INST 1/4 CZY	4
2	084175	HLN INST #1024 CZY	3
3	242089	RADIO MNT ASS'Y	1
4	242342	HOUSING/SPEAKER RH	1
5	242343	HOUSING/SPEAKER LH	1
6	243086	MOUNT/SPEAKER	2
7	243330	PACKAGE/RADIO AM-FM-WB	1
	184505	SPEAKER/RADIO 4.00	2
	184507	ANTENNA/RADIO	1
	192454	RADIO/AM-FM-WB	1
	242177	HARNESS/WIRE RADIO	1
	272029	GRILLE/SPEAKER	2
8	50353330	SEAL/FOAM	1
9	650584	FW #10 AZY	3
10	651778	PHMS CR #832X3/4 CBO	8
11	653002	HN MS #832 CZY	8
12	654002	FW 1/4 AWZY	4

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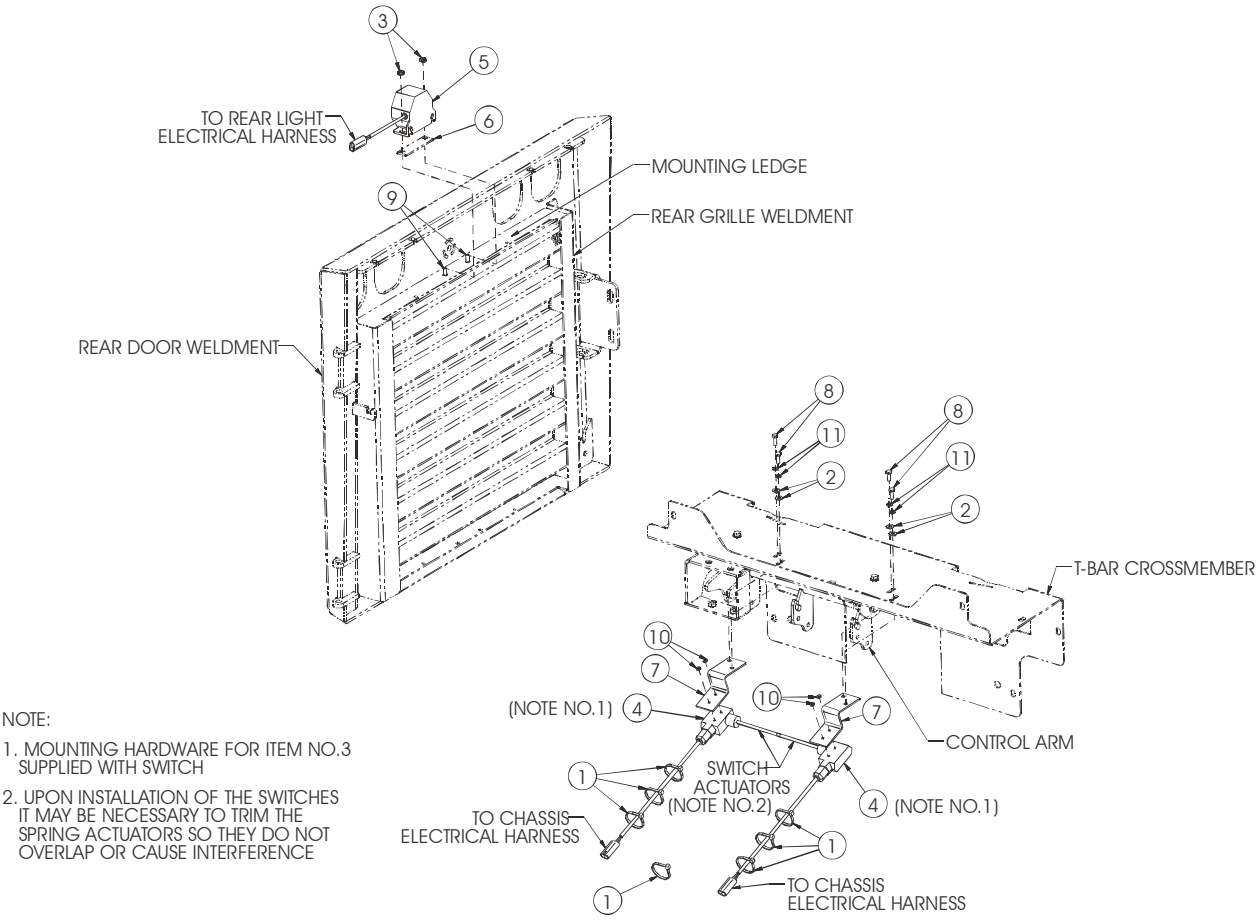
3-Point Restraint - 2" Seat Belt 810426 and 3" Seat Belt 810427



Ref. No.	Part No.	Description	Qty. 810426 3-Point 2"	Qty. 810427 3-Point 3"
1	081371	NUT/HEX LOCK 7/16	4	4
2	139340	RESTRAINT ASSEMBLY/3-POINT	1	-
	139341	RESTRAINT ASSEMBLY/3-POINT	-	1
3	183949	BOLT GROUP/SHOULDER	1	1
4	184007	TAB/RETRACTOR MOUNT	1	1
5	650630	SCREW/CAP 7/16 X 1	4	4
6	654046	WASHER/FLAT 7/16	4	4

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Backup Alarm Kit 50850344 for T-Bar Controls



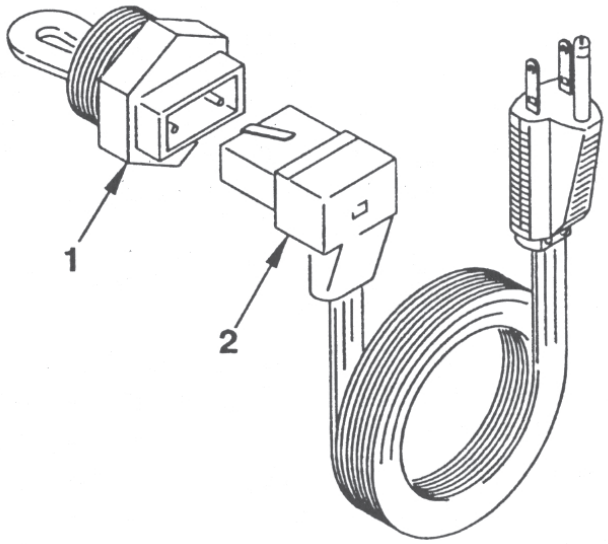
NOTE:

1. MOUNTING HARDWARE FOR ITEM NO.3 SUPPLIED WITH SWITCH
2. UPON INSTALLATION OF THE SWITCHES IT MAY BE NECESSARY TO TRIM THE SPRING ACTUATORS SO THEY DO NOT OVERLAP OR CAUSE INTERFERENCE

Ref. No.	Part No.	Description	Qty.
	50850344	KIT/BACKUP ALARM	
1	055648	TIE/CABLE .19X7.50 BLACK	7
2	650863	FW 1/4 AN	4
3	134588	NUT/SPIRALOCK 1/4-20	2
4	135726	SWITCH AS-ALARM (BACKUP)	2
5	140880	ALARM/BACK-UP	1
6	184491	SPACER/BACKUP ALARM	1
7	50353022	WLDMT/BRKT SWITCH MNT	2
8	650448	CS 1/4X3/4 C5ZY	4
9	650758	CB 1/4X3/4 C5ZY	2
10	650848	FW #6 AZY	4
11	654022	LW 1/4 RZY	4

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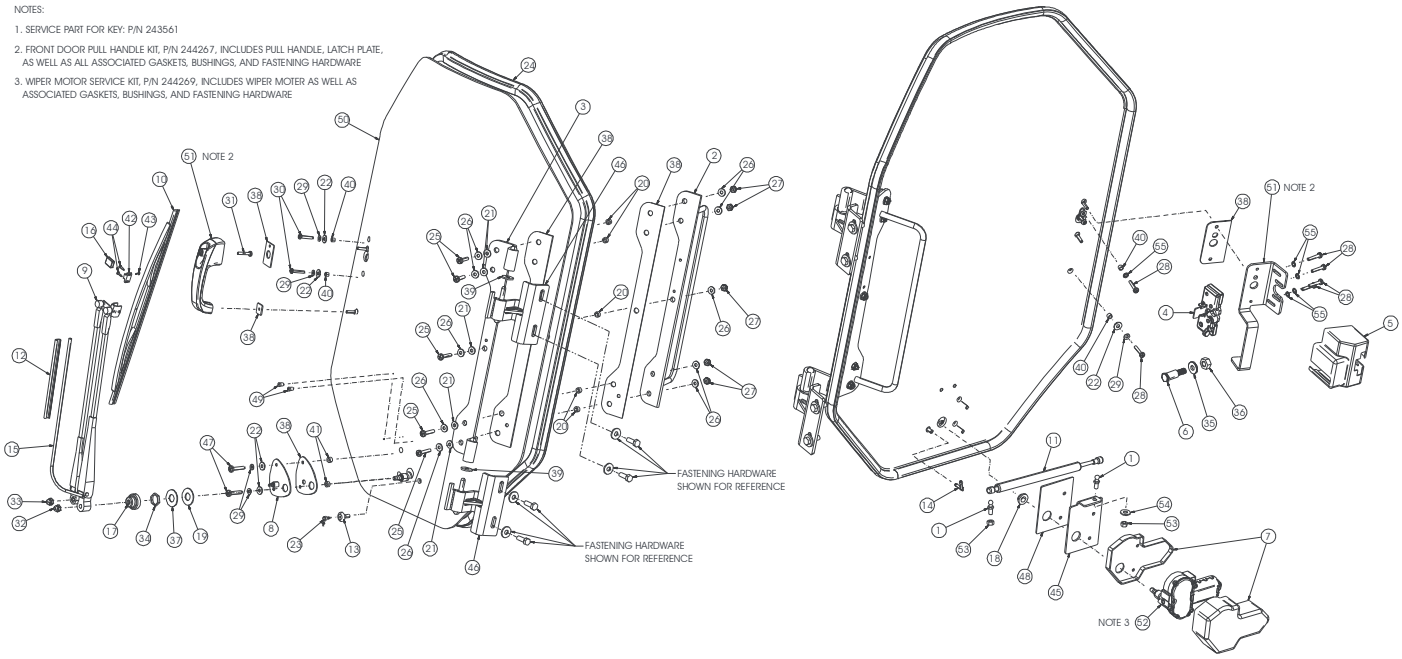
Engine Block Heater Kit 805855



Ref. No.	Part No.	Description	Qty.
	805855	HEATER/BLOCK	
1	121480	HEATER/ENGINE (includes Ref. 2)	1
2	121481	CORD/HEATER	1
3	055648	TIE/CABLE (not shown)	3

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Cab Door Kit 50850284

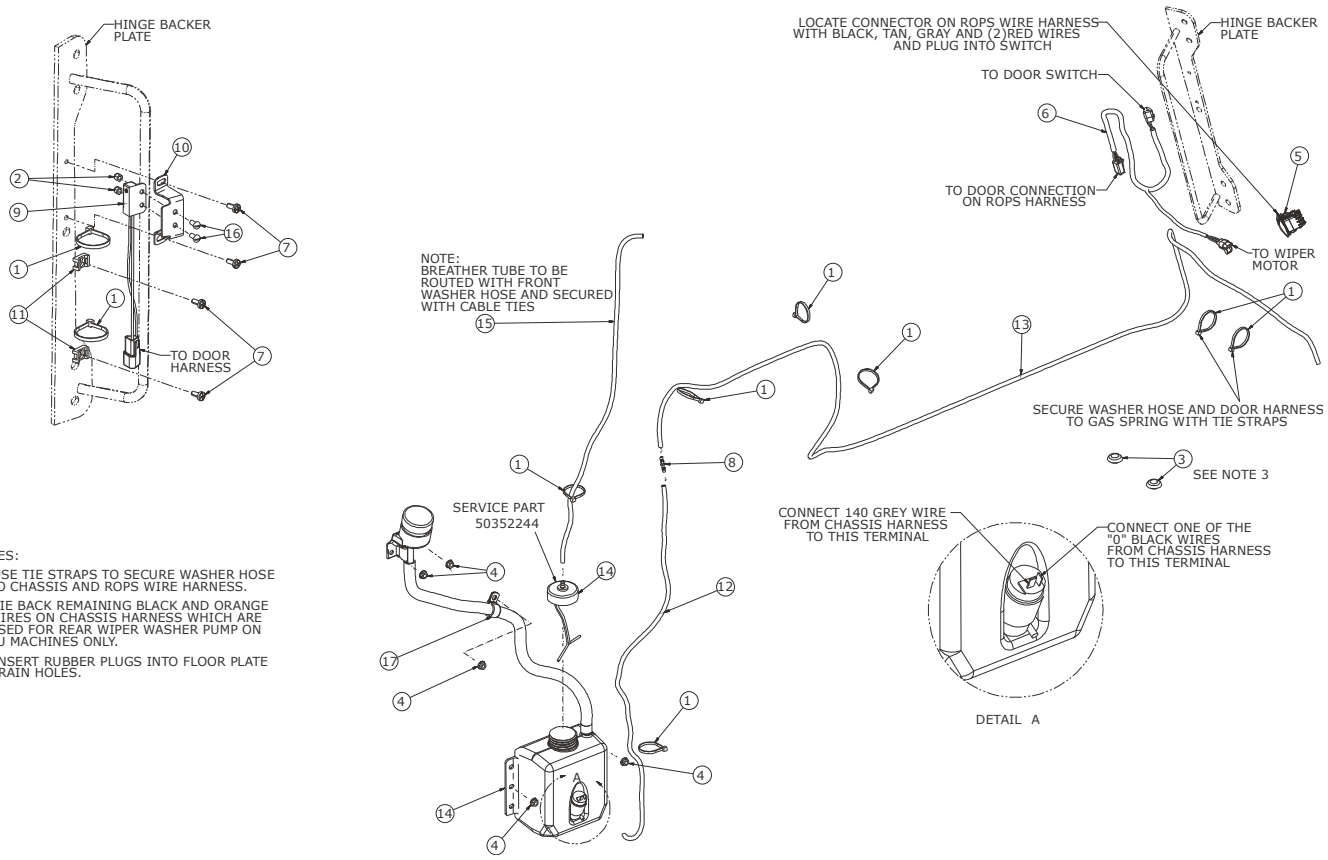


Ref. No.	Part No.	Description	Qty.
	50850284	KIT/CAB DOOR	
1	122485	STUD/BALL 10MM	2
2	242921	BACKER/HINGE	1
3	242923	HINGE/DOOR	1
4	242927	LATCH/DOOR	1
5	242928	COVER/LATCH	1
6	242930	STRIKER	1
7	242934	COVER/WIPER MOTOR	1
8	50354627 b	WIPER ARM REPLACEMENT ASSY	1
	242937 a	PLATE/PANTOGRAPH	1
9	50354627 b	WIPER ARM REPLACEMENT ASSY	1
	242938 a	ARM/WIPER	1
10	242939	BLADE/WIPER ASS'Y	1
11	242942	SPRING/GAS	1
12	50304004 b	HOSE GUIDE/WIPER ASSY	1
	242943 a	CLIP/WIPER HOSE	1
13	242944	GROMMET/WASHER HOSE	1
14	242945	ELBOW/WASHER HOSE	1
15	50304005 b	WASHER HOSE/WIPER ASSY	1
	242946 a	HOSE/WASHER	1
16	50304006 b	SPRAY NOZZLE/WIPER ASSY	1
	242947 a	HEAD/SPRITZER	1
17	242948	RAIN SEAL/WIPER	1
18	242951	GROMMET/DRIVE SHAFT	1
19	242954	WASHER/ FIBER M20	1
20	242955	BUSHING/.31 ID X .50 OD	5
21	242956	WASHER/RUBBER 5/16	5
22	242957	WASHER/RUBBER 1/4	5
23	242961	ELBOW/WASHER HOSE	1
24	242963	SEAL/BULB	1
25	242970	PHMS 5/16-18 X 1.50" BO	5
26	242973	FW 5/16 BO	10
27	242974	HLN INST 5/16-18 BO	5
28	242978	PHMS M6 X 25 MM BO	6
29	242980	FW 1/4" BO	5
30	242981	PHMS 1/4-20 X 1.00 BO	2
31	242982	PHMS M6 X 35 MM BO	1
32	242984	NUT/ACORN M8 BO	1
33	242985	NUT/ACORN M5 BO	1
34	242986	HN M18 BO	1
35	242990	WASHER/STRIKER BOLT	1
36	242991	NUT/STRIKER BOLT	1
37	242995	FW M20 BO	1
38	243021	GASKET KIT	1
39	243022	BUSHING/BRONZE	2
40	243029	BUSHING/.384" O.D.	4
41	243030	BUSHING/.25 ID X .50 OD	2
42	243709	CHICLET/MTG BRKT	1
43	243711	M2 X 9.5 PHP Z	1
44	243712	#6-18 X 5/8 PHP BLK	2
45	244162	PLATE/GAS SPRING MOUNT	1
46	244212	HINGE/CABSIDE	2
47	244213	PHMS 1/4-20 X 1.50 BO	2
48	244214	GASKET/GAS SPRING MOUNT	1
49	244238	PLUG .25 DIA. X .25 DEEP	2
50	244242	KIT/FRONT DOOR GLASS	1
51	244267	KIT/FRONT DOOR PULL HAND	1
	243561	KEY/FRONT DOOR LATCH	1
52	244269	KIT/WIPER MOTOR SERVICE	1
53	653007	HN 5/16 C2ZY	2
54	654004	FW 5/16 AWZY	1
55	654052	LW INT T 1/4 AZY	5

a) 242937 and 242938 replaced by 50354627. Other parts used for earlier wiper arm system with single-spring blade pressure system.
b) Parts utilized in latest two-spring blade pressure system.

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Cab Door Kit 50850284
Door Completing Package



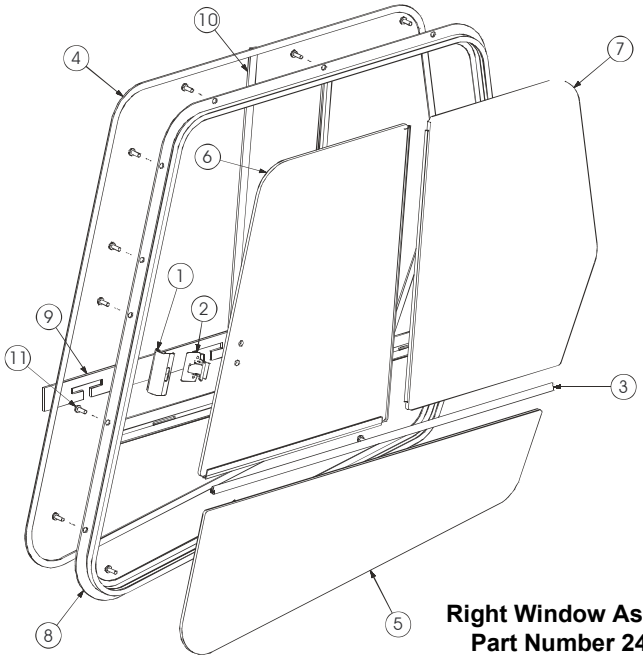
NOTES:

1. USE TIE STRAPS TO SECURE WASHER HOSE TO CHASSIS AND ROPS WIRE HARNESS.
2. TIE BACK REMAINING BLACK AND ORANGE WIRES ON CHASSIS HARNESS WHICH ARE USED FOR REAR WIPER WASHER PUMP ON EU MACHINES ONLY.
3. INSERT RUBBER PLUGS INTO FLOOR PLATE DRAIN HOLES.

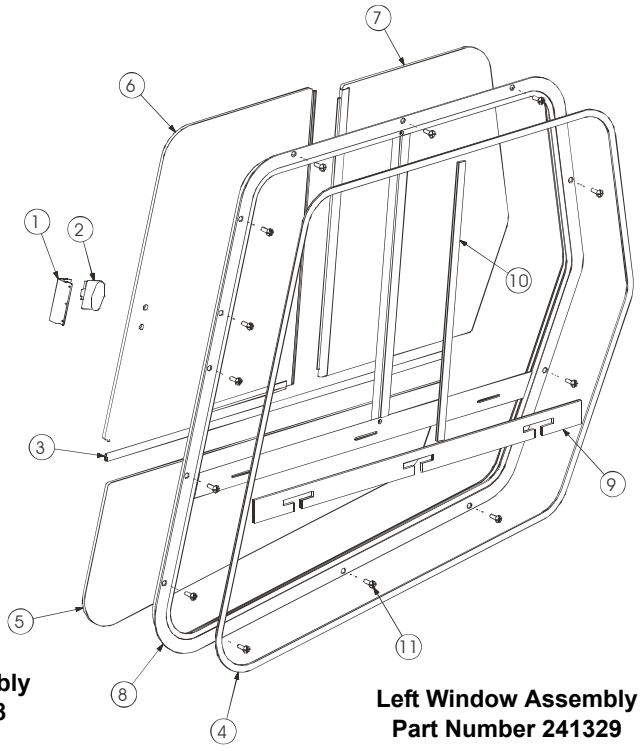
Ref. No.	Part No.	Description	Qty.
	50850284	KIT/COMPLETING CAB DOOR	
1	055648	TIE/CABLE .19X7.50 BLACK	9
2	084174	HLN INST #1224 CZY	2
3	192182	PLUG/RUBBER	2
4	210-19470	HN FL SLOC 5/16 CZY	5
5	242293	SWITCH/WIPER-WASHER	1
6	242866	HARNESS/DOOR V2700V	1
7	242976	SHCS 1/4-20 X .25 BO	4
8	243450	BARB/HOSE	1
9	244668	SENSOR/PROXIMITY	1
10	244674	BRKT/MTG PROXIM SWITCH	1
11	50350018	CABLE TIE MNT .25 HOLE	2
12	50352911	HOSE/WASHER 46.00	1
13	50352916	HOSE/WASHER 102.00	1
14	50352945	RESERVOIR/3QRT/SNGL PMP	1
	243061	PUMP/WASHER	1
	243062	FILL SPOUT/REMOTE	1
	50352244	CAP/VENTED W/ HOSE BARB	1
15	50352975	TUBE/BREATHER	1
16	650812	RHMS SLT #1224X1/2 CZY	2
17	L570005	CLAMP/HOSE .88X.41 HOLE	1

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811487 Side Window Kit



Right Window Assembly
Part Number 241328

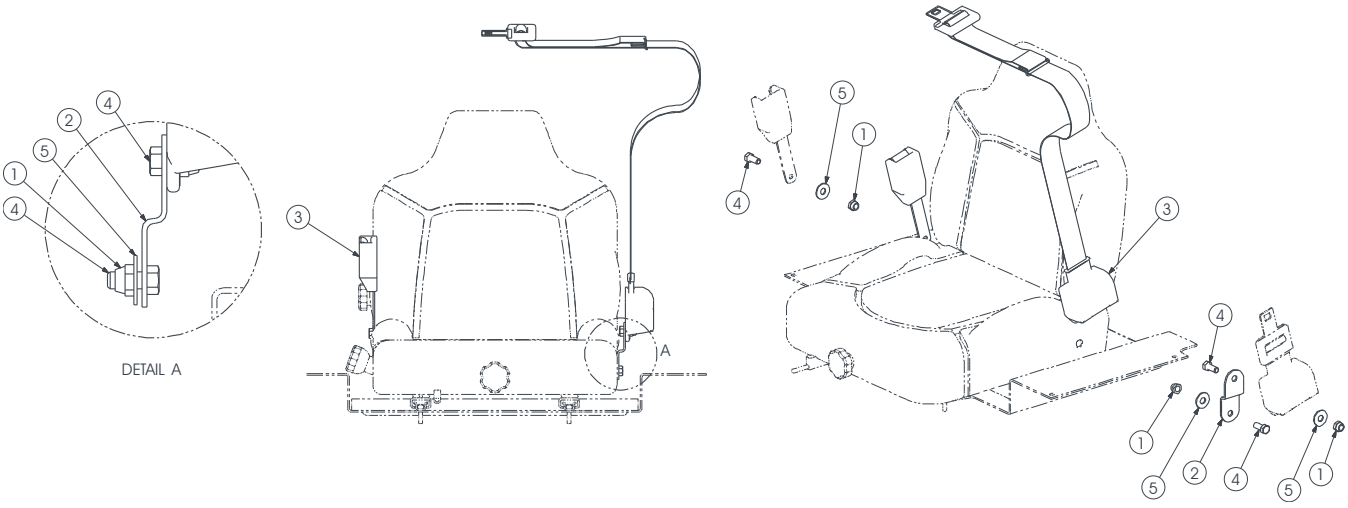


Left Window Assembly
Part Number 241329

Ref. No.	Part No.	Description	Qty.
	811487	KIT/SIDE WINDOW	
1	242779	STRIKER	2
2	242780	LATCH ASS'Y	2
3	242781	RAIL/SLIDE	2
4	242784	SEAL/WINDOW	2
5	242786	WINDOW/LOWER	2
6	242789	WINDOW/FRONT RH	1
	242787	WINDOW/FRONT LH	1
7	242790	WINDOW/REAR RH	1
	242788	WINDOW/REAR LH	1
8	242819	FRAME/WINDOW RH	1
	242818	FRAME/WINDOW LH	1
9	50353122	FOAM/WINDOW/HORIZONTAL	2
10	50353125	FOAM/WINDOW/HORIZONTAL	2
11	651308	PHMS CR 1/4X3/4 ZB	26

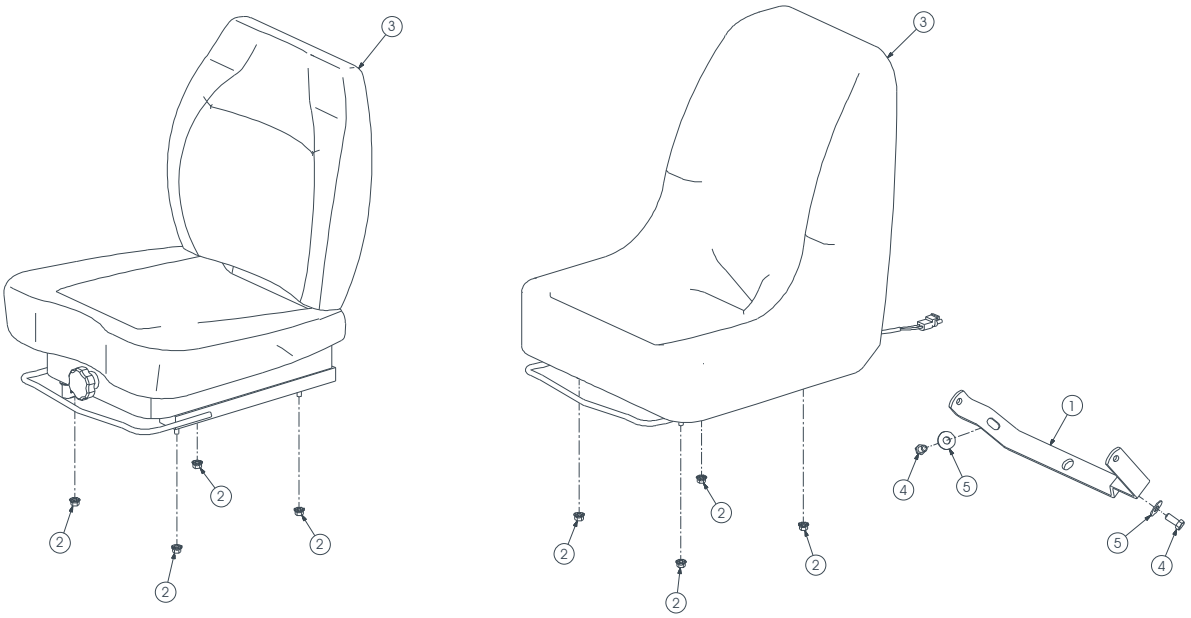
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Seat Belt Kits - 2" 810424 and 3" 810425



Ref. No.	Part No.	Description	Qty. 810424 2" Seat Belt	Qty. 810425 3" Seat Belt
1	081371	NUT/HEX LOCK 7/16	3	3
2	184007	TAB/RETRACTOR MOUNT	1	1
3	420-36086	ASSEMBLY/ SEAT BELT 2.00	1	-
	420-36087	ASSEMBLY/SEAT BELT 3.00	-	1
4	650630	SCREW/CAP 7/16 X 1	3	3
5	654046	WASHER/FLAT 7/16	3	3

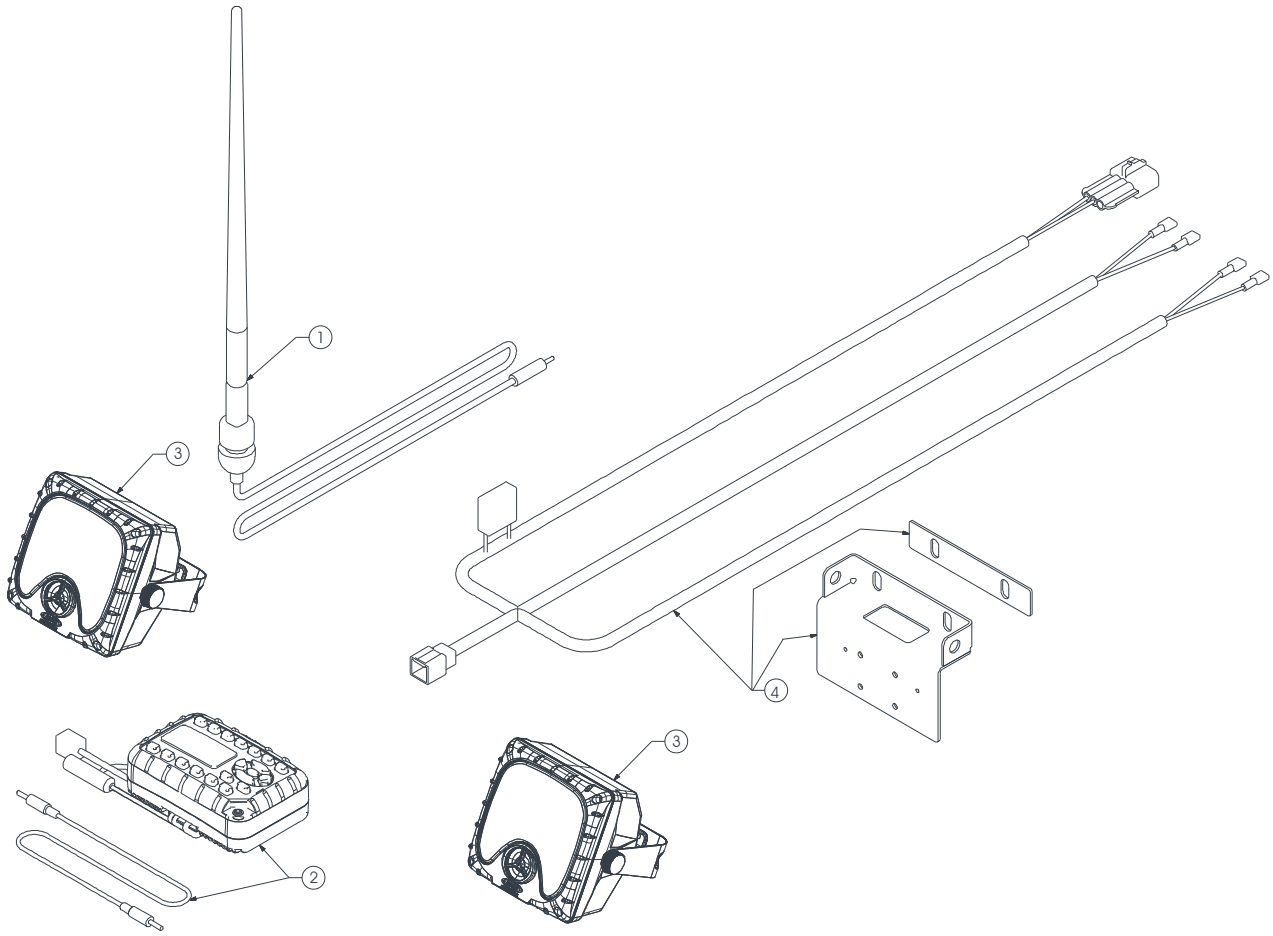
Seat Kits - Suspension 810422 and Standard 810423



Ref. No.	Part No.	Description	Qty. 810422 Suspension Seat	Qty. 810423 Standard Seat
1	184892	BRACKET/SEAT BELT	-	1
2	137836	NUT/HEX WHIZLOCK M8	4	4
3	184017	SEAT/STANDARD	-	1
	184016	SEAT/SUSPENSION	1	-
4	650630	SCREW/CAP 7/16 X 1	-	2
5	654046	WASHER/FLAT 7/16	-	2

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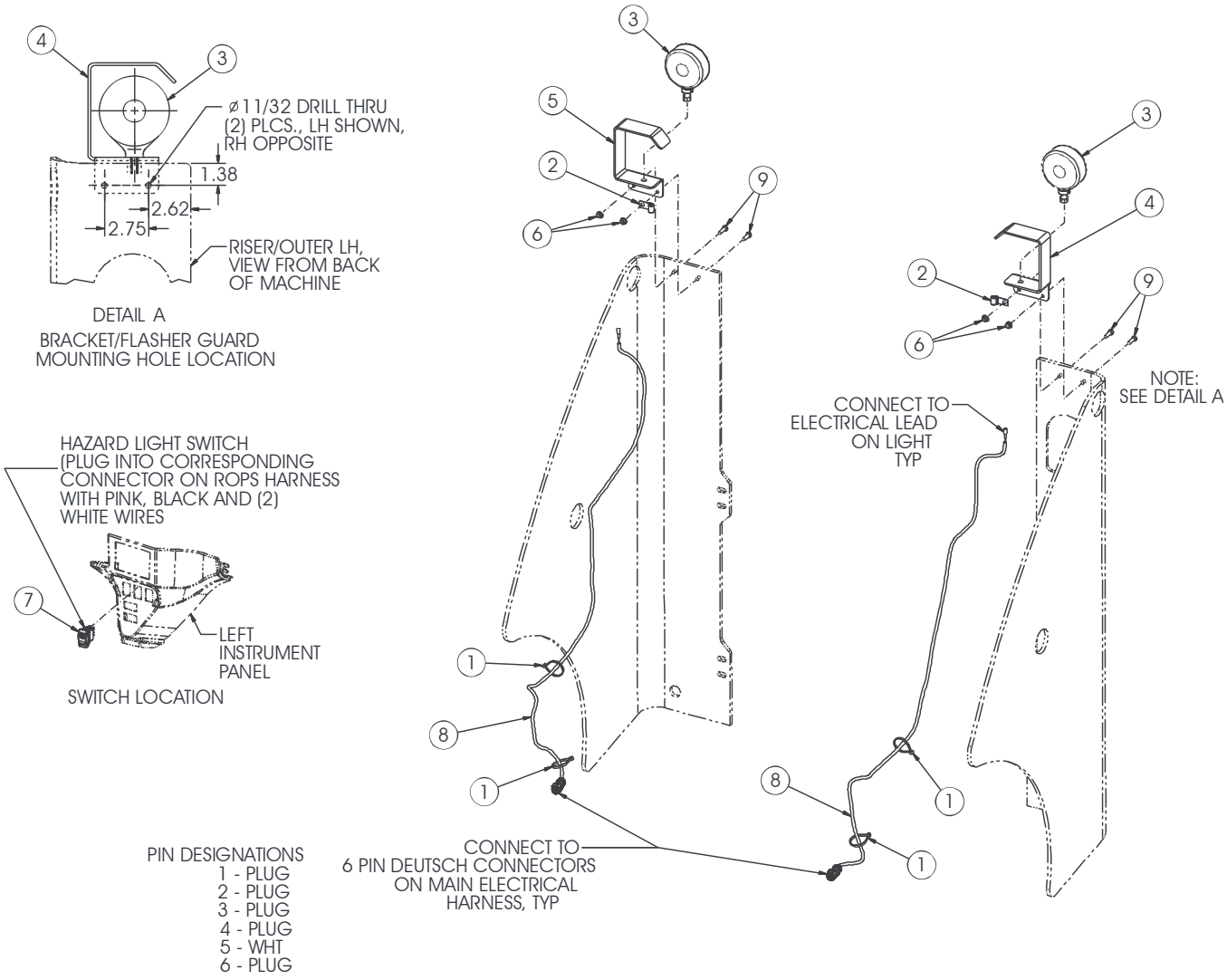
810946 Universal Radio Kit



Ref. No.	Part No.	Description	Qty.
	810946	KIT/UNIVERSAL RADIO	
1	184507	ANTENNA/RADIO	1
2	192454	RADIO/AM-FM-WB	1
3	192764	SPEAKER/PAIR 3-1/2	1
4	410010	KIT/UNIVERSAL INSTALL	1
	192763	HARNESS/RADIO/AM-FM-WB	1

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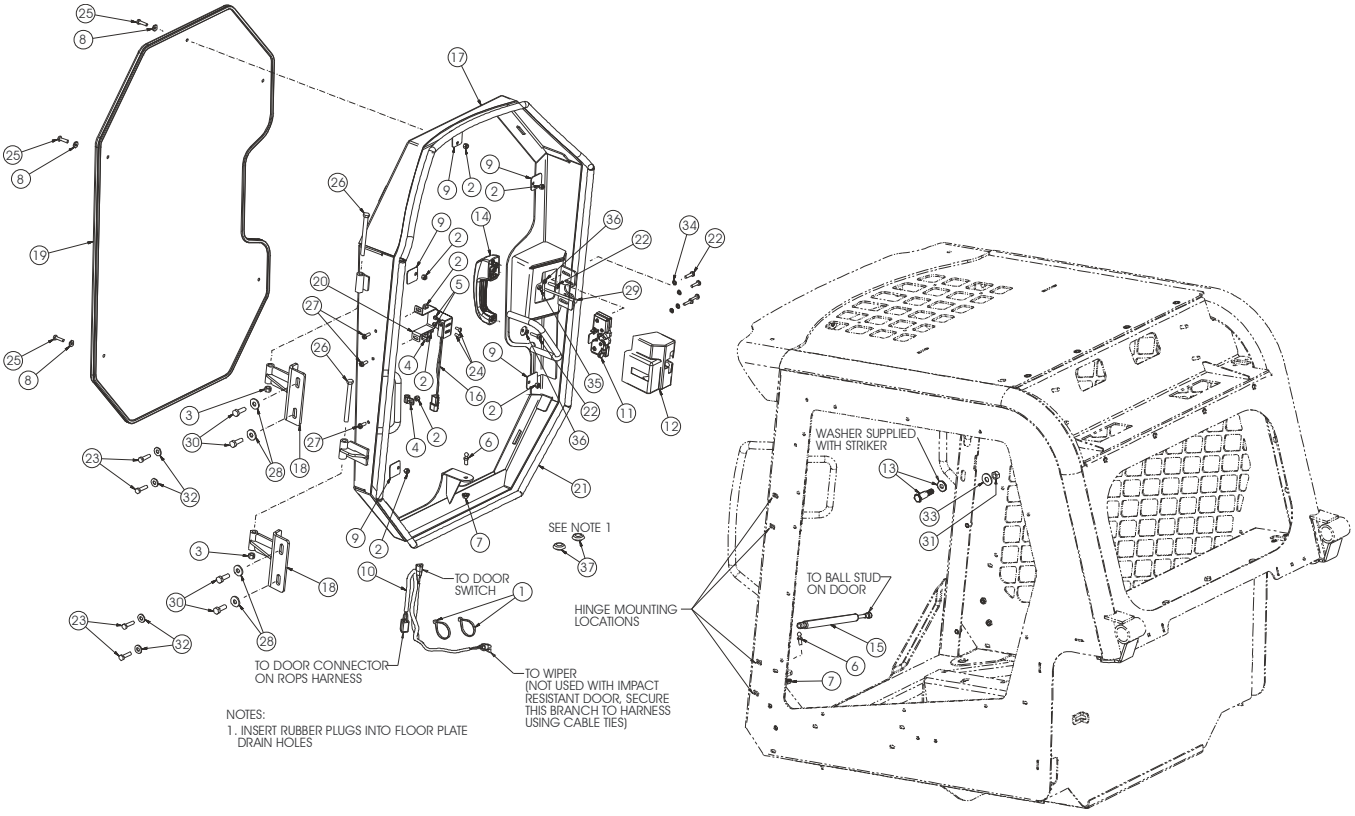
Dual Flasher Kit 50850341



Ref. No.	Part No.	Description	Qty.
	50850341	KIT/DUAL FLASHER	
1	055648	TIE/CABLE .19X7.50 BLACK	4
2	058615	CLAMP/HOSE .50X.41 HOLE	2
3	087234	LIGHT/WARNING ASSEMBLY	2
4	187026	BRKT/FLASHER GUARD RT	1
5	187031	BRKT/FLASHER GUARD LT	1
6	210-19470	HN FL SLOC 5/16 CZY	4
7	242313	SWITCH/HAZARD (DOMESTIC)	1
8	50353024	HARNESS/FLASHER	2
9	650487	CS 5/16X1 C5ZY	4

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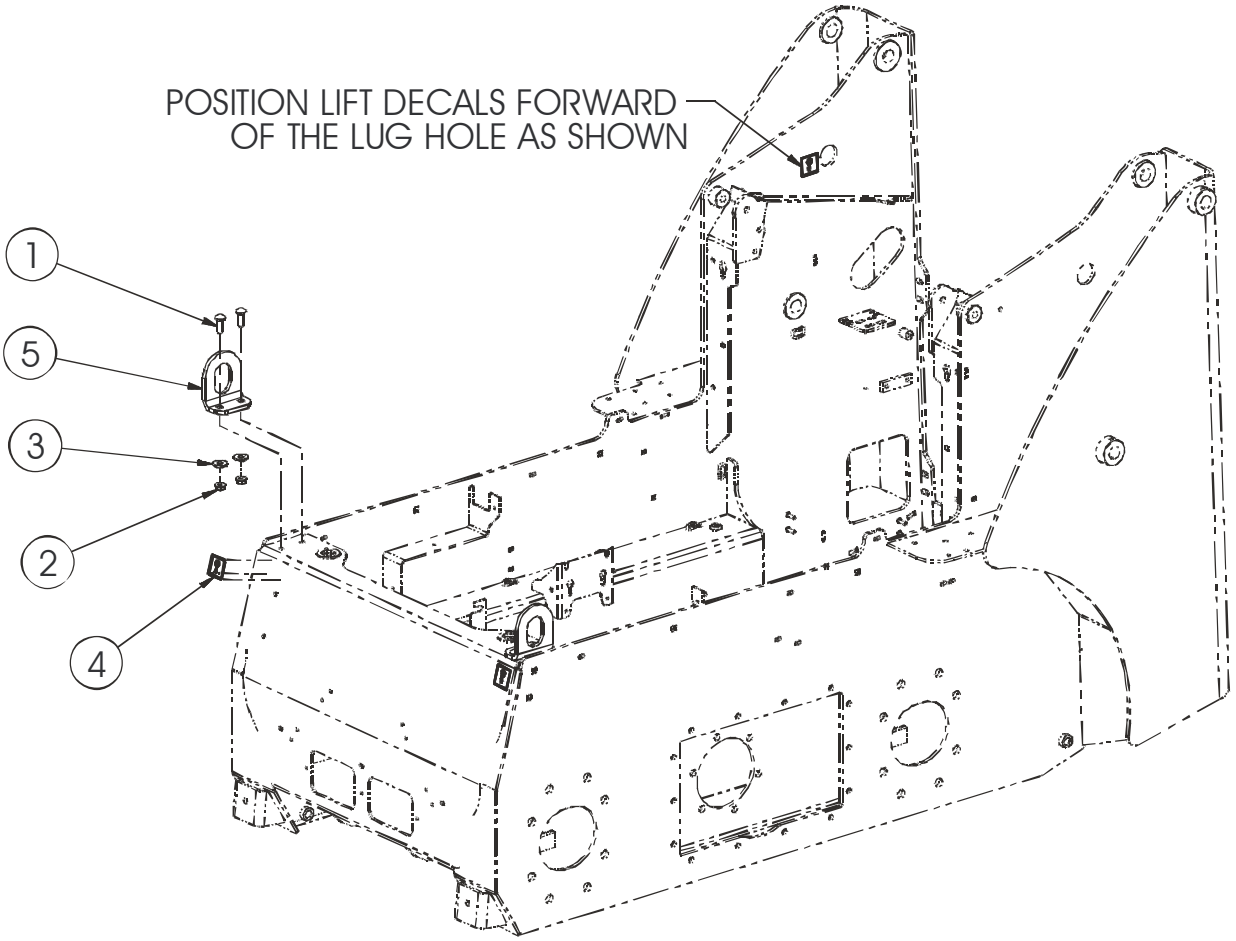
50850116 Impact-Resistant Door Kit



Ref No.	Part No.	Description	Qty. Req'd
	50850116	KIT/IMPACT-RESISTANT DOOR	
1	055648	TIE/CABLE .19X7.50 BLACK	2
2	071401	HLN INST 1/4 CZY	8
3	071703	LN 3/8 CBZY	2
4	076078	CLAMP/HOSE .38X.34 HOLE	2
5	084174	HLN INST #1224 CZY	2
6	122485	STUD/BALL 10MM	2
7	131842	HN FL SLOC 5/16 C	2
8	137462	WASHER 1/4 SEALING	5
9	187405	TAB/ LEXAN DOOR	5
10	242866	HARNESS/DOOR V2700V	1
11	242927	LATCH/DOOR	1
12	242928	COVER/LATCH	1
13	242930	STRIKER	1
14	242932	HANDLE ASS'Y	1
15	242942	SPRING/GAS	1
16	244668	SENSOR/PROXIMITY	1
17	245260	FRAME/DOOR WLDMNT	1
18	50350139	HINGE/CABSIDE WDLMNT	2
19	50350159	PANEL/IMPACT	1
20	50350300	SENSOR/PROXIMITY BRKT	1
21	50350313	SEAL/BULB	1
22	50657011	PHMS CR M6-1.0X25 CZ DIN	6
23	650545	CS 5/16X1-1/4 C5ZY	4
24	650812	RHMS SLT #1224X1/2 CZY	2
25	650835	CS 1/4X1 C5ZY	5
26	650851	CS 3/8X4-1/2 C5ZY	2
27	651308	PHMS CR 1/4X3/4 ZB	3
28	651659	FW M10 HARDENED Z	4
29	651752	CS M6-1.00x100 C8.8 ZY D	1
30	651821	CS M10-1.5x30 C8.8 ZB DI	4
31	653015	HN 7/16 C2ZY	1
32	654004	FW 5/16 AWZY	4
33	654046	FW 7/16 AWZY	1
34	654052	LW INT T 1/4 AZY	4
35	656047	HN M6-1 C8 ZY DIN934	1
36	656179	FW M6 ZY DIN125	2
37	192182	PLUG/RUBBER	2

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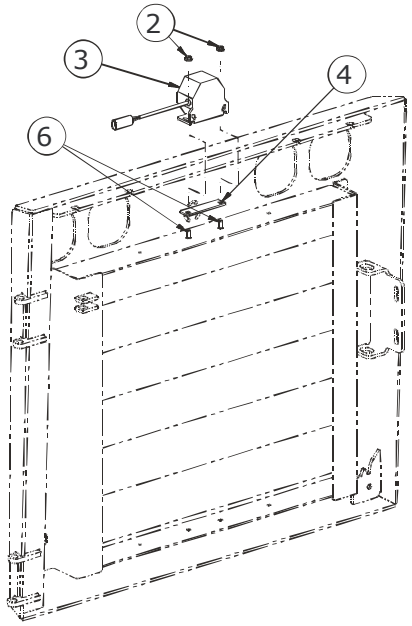
50850328 Four-Point Lift Kit



Ref. No.	Part No.	Description	Qty.
	50850328	KIT/FOUR-POINT LIFT	
1	030-31934	CB 1/2X1-1/2 C8ZY	4
2	134853	NUT/SPIRALOCK 1/2-13	4
3	134966	FW 1/2 HT	4
4	137718	DECAL/LIFT HOOK	4
5	243548	LIFT EYE/FOUR POINT	2

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811486 Backup Alarm Kit for Dual Joystick and Hand/Foot

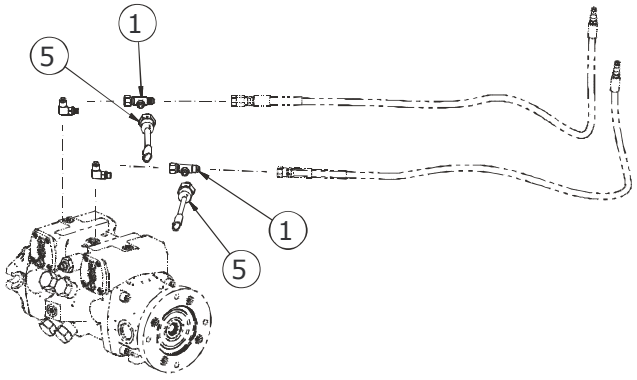


GENERAL ARRANGEMENT NOTE:

FOR R190 AND 1900R LOADERS EQUIPPED WITH THE TWO-SPEED OPTION AND FOR ALL VARIATIONS OF THE OTHER MODELS AFFECTED BY THIS KIT, INSTALL THE PRESSURE SWITCHES IN THE PORTS TO THE RH PILOT PORTS ON THE TOP OF THE TANDEM PUMP AS SHOWN.

FOR R190 LOADERS EQUIPPED WITH THE SINGLE-SPEED OPTION ONLY, THE PRESSURE SWITCH ON THE REAR SECTION OF THE PUMP (CLOSEST TO THE ENGINE) NEEDS TO BE INSTALLED IN THE PORT ON THE LEFT-HAND SIDE OF THE PUMP INSTEAD OF THE RIGHT-HAND PORT AS WAS DONE WITH THE OTHER MODEL AND MACHINE CONFIGURATIONS.

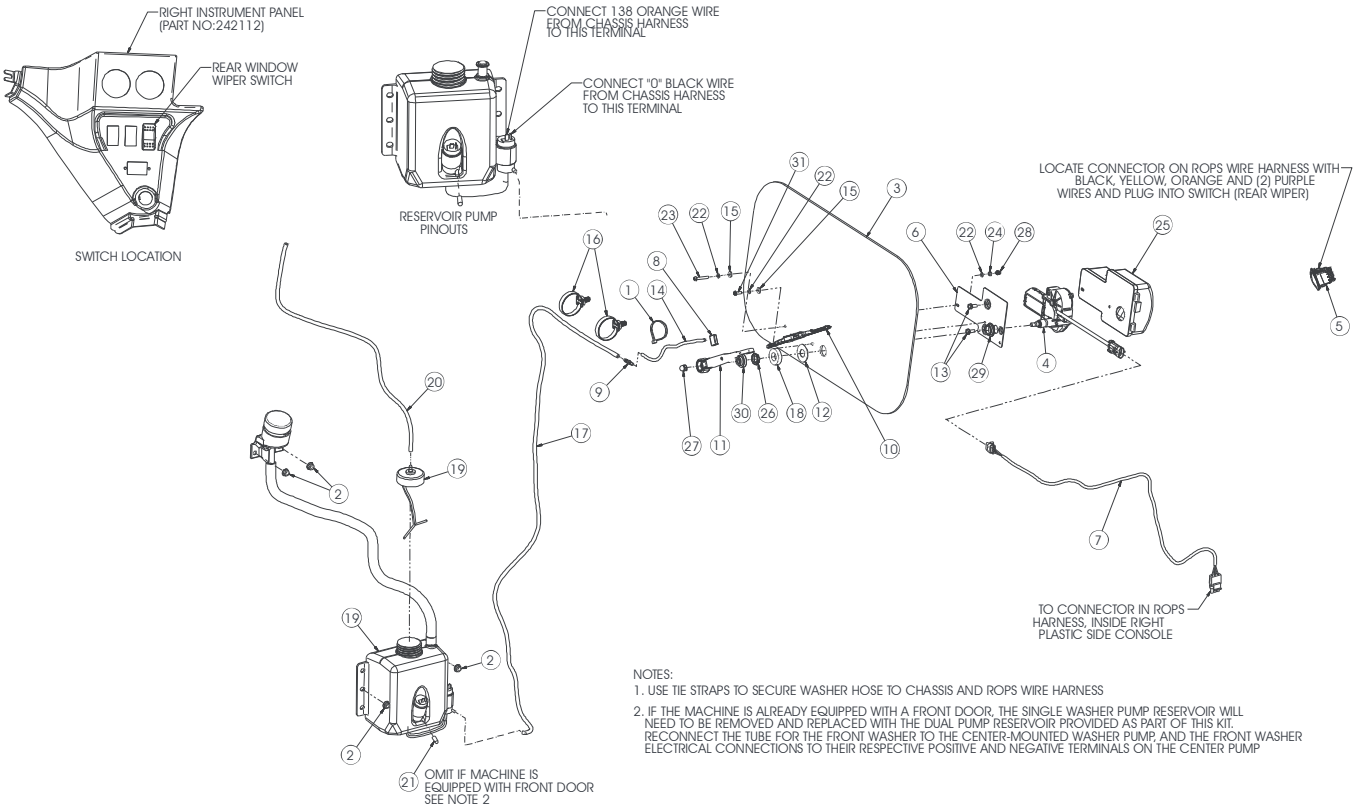
THE ALARM BACK-UP SPACER IS NEEDED FOR INSTALLATION OF THIS KIT ON ALL TIER IV MODEL LOADERS. OPTIONAL FOR USE ON NON-TIER IV MODELS.



Ref. No.	Part No.	Description	Qty. Req.
	811486	KIT/BACKUP ALARM DJS, HF	
1	072806	TEE MJ06-FJS06-MJ06	2
2	134588	NUT/SPIRALOCK 1/4-20	2
3	140880	ALARM/BACK-UP	1
4	184491	SPACER/BACKUP ALARM	1
5	187045	SWITCH/PRESSURE	2
6	650758	CB 1/4X3/4 C5ZY	2

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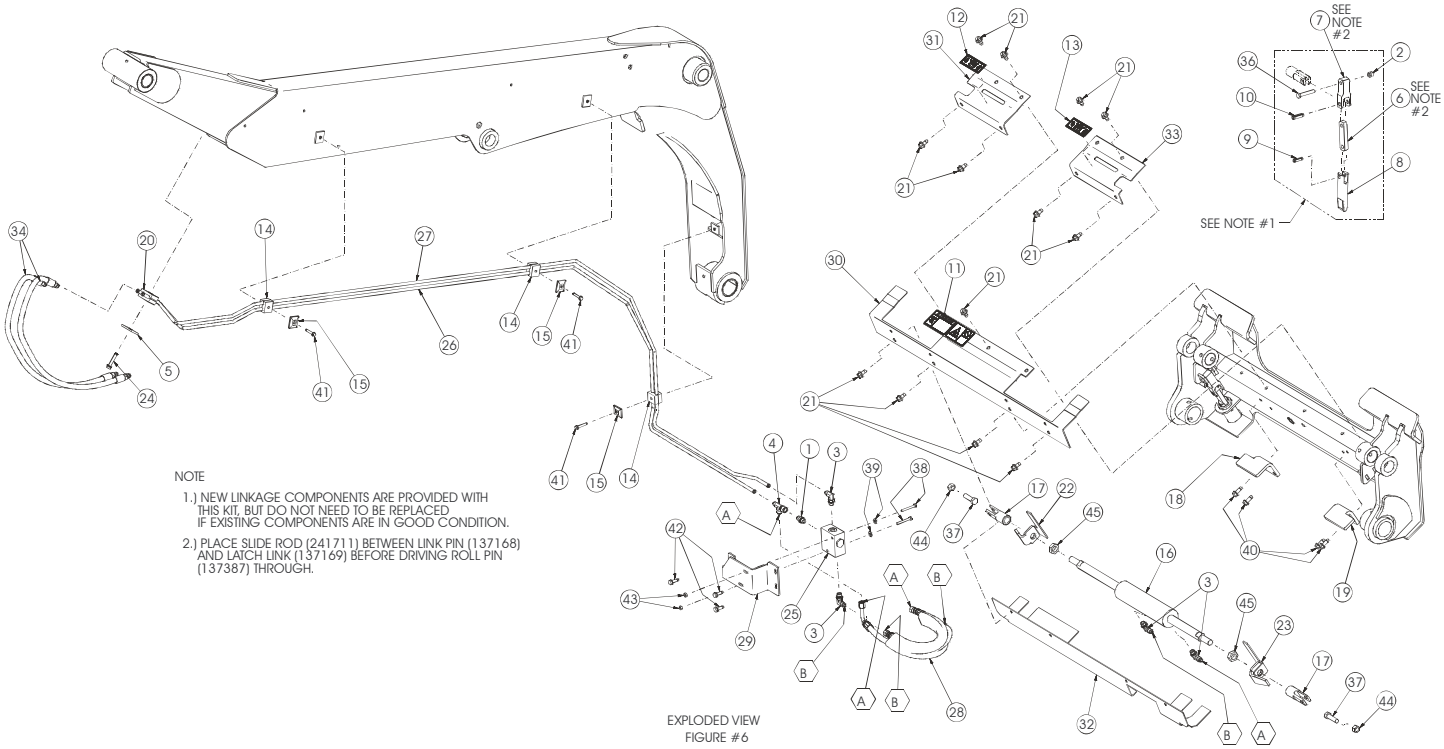
50850357 Rear Wiper Kit



Ref No.	Part No.	Description	Qty. Req'd
	50850357	KIT/REAR WIPER	
1	055648	TIE/CABLE .19X7.50 BLACK	2
2	210-19470	HN FL SLOC 5/16 CZY	4
3	240055	WINDOW/REAR	1
4	241900	MOTOR/REAR WIPER	1
5	242340	SWITCH/REAR WIPER-WASHER	1
6	242801	PLATE/MTG WIPER MOTOR	1
7	242867	WIPER HARNESS/REAR	1
8	242947	HEAD/SPRITZER	1
9	243450	BARB/HOSE	1
10	243452	BLADE/WIPER	1
11	243453	ARM/WIPER	1
12	243456	WASHER/FIBER	1
13	243512	SCREW/TAPTITE M6	2
14	243530	HOSE/REAR WIPER ARM	1
15	243546	WASHER/RUBBER #10	2
16	50300530	TIE/CABLE .50X9.10 BLACK	3
17	50350809	HOSE/WASHER 70.00	1
18	50352710	SPACER/SHAFT	1
19	50352897	RESERVOIR/3QRT DUAL PMP	1
20	50352975	TUBE/BREATHER	1
21	50353341	PLUG/PUMP EFFLUENT	1
22	651809	FW M5 ZB DIN125	3
23	651810	PHMS CR M5-0.8X35 CZB DI	1
24	656100	HN M5-0.8 C8 ZY DIN934	1
25	L500696	WIPER MOTOR COVER, PLAST	1
26	L500697	M18 NUT	1
27	L500700	M8 NUT / PANTO PLATE	1
28	L500706	M5 ACORN NUT	1
29	L500708	TOWER SEAL/TRICO WIPER	1
30	L500709	RAIN SHIELD	1
31	L500711	M5X16MM SCREW	1

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50850374 Power-A-Tach Kit

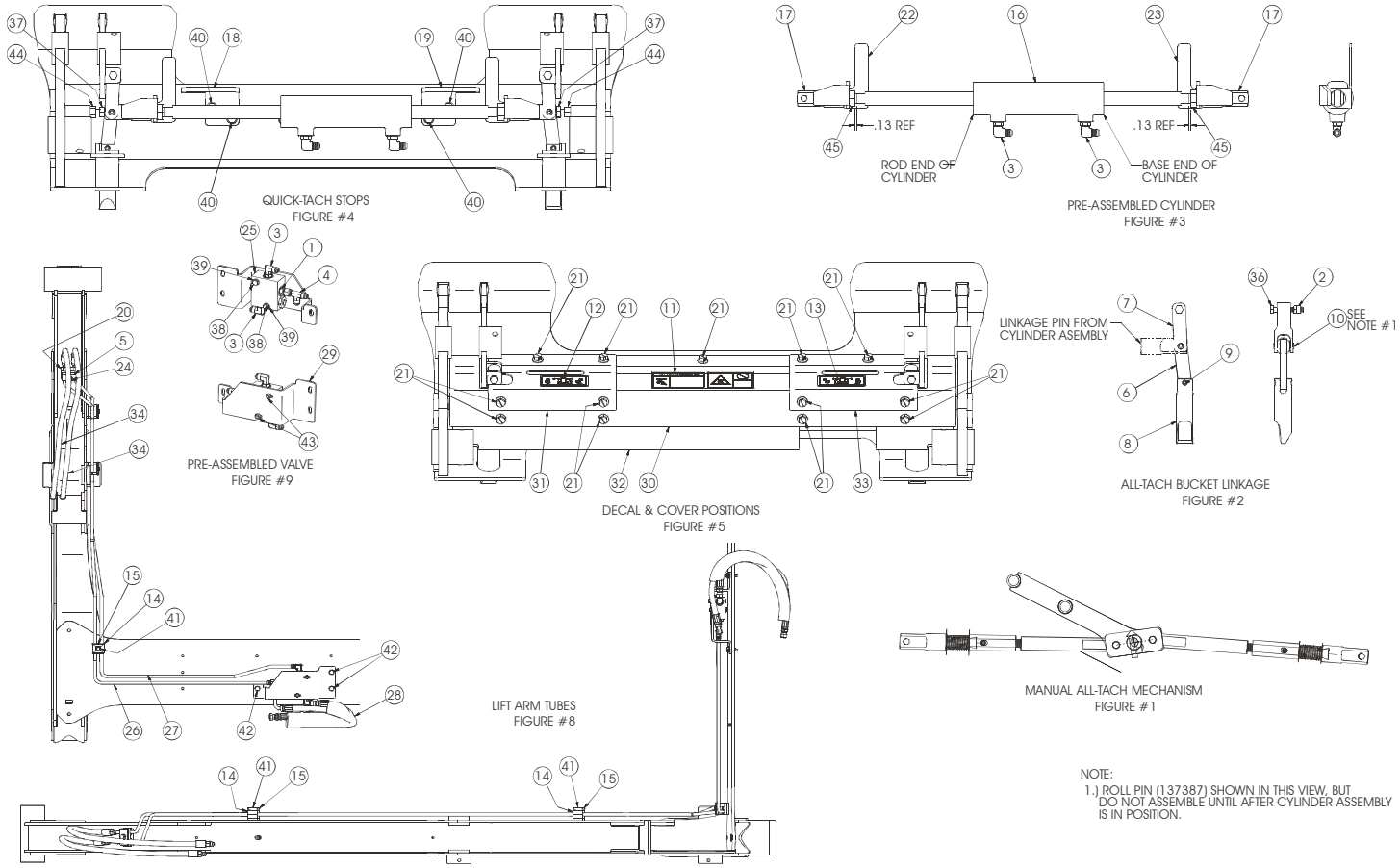


EXPLODED VIEW
FIGURE #6

Ref. No.	Part No.	Description	Qty. Req.
	50850374	KIT/P-A-T	
1	054994	ST MJ06-MORB06	1
2	067847	HLN INST 3/8 CZY	2
3	068938	90 MJ06-MAORB06	4
4	072806	TEE MJ06-FJS06-MJ06	1
5	079098	PLATE/TOP SIZE 2 TWIN FL	1
6	137168	PIN LINK	2
7	137169	LATCH LINK	2
8	137170	LATCH PIN	2
9	137386	PIN/SPRING	2
10	137387	PIN/SPRING	2
11	139101	DECAL-POWER ALL-TACH	1
12	139107	DECAL-LATCHING (LEFT)	1
13	139109	DECAL-LATCHING (RH)	1
14	194309	CLAMP/TUBE .38 TWIN	3
15	194380	PLATE/TOP SIZE 1 TWIN	3
16	241701	CYLINDER/HYD POWER F-A-T	1
17	241711	LINK/SPRING SLIDE	2
18	243409	BRKT/STOP	1
19	243415	BRKT/STOP	1
20	245180	CLAMP/TUBE .38 TWIN	1
21	310-32411	Screw Self Tapping3/8-16	13
22	50350107	FLAG/LH/WLDMT	1
23	50350108	FLAG/RH/WLDMT	1
24	50351222	HWHTFS 5/16X1-3/4	1
25	50351569	VALVE/POWER ALL-TACH	1
26	50351581	TUBE/ALLTACH/POWER	1
27	50351582	TUBE/ALLTACH/POWER	1
28	50351597	ASSY/HOSE/SLEEVE	1
29	50351812	BRKT/POWER ALL-TACH	1
30	50352699	COVER/CYLINDER/UPPER	1
31	50352702	COVER/FLAG/CLEANOUT/LH	1
32	50352704	COVER/CYLINDER/LOWER	1
33	50352705	COVER/FLAG/CLEANOUT/RH	1
34	50352950	HOSE/MP .38 X 46.00	2
35	50450195	ACTUATOR/190/MANUAL	1
36	650535	CS 3/8X2-1/4 C5ZY	2
37	650569	CS 1/2X1-3/4 C5ZY	2
38	650706	CS 1/4X2 C5ZY	2
39	650863	FW 1/4 ANZY	2
40	650934	THWH TC USL 3/8X1 CZY	4
41	650959	THWH TC USL 1/4X1-1/2 CZ	3
42	650973	THWH TC USL 5/16X1 CZY	3
43	653005	HN 1/4 C2ZY	2
44	653018	HN 1/2 C2ZY	2
45	653053	HJN 3/4 F2ZY	2

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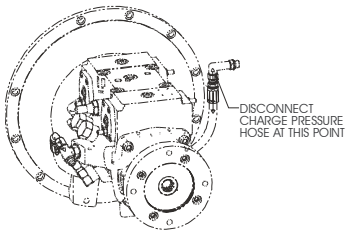
50850374 Power-A-Tach Kit



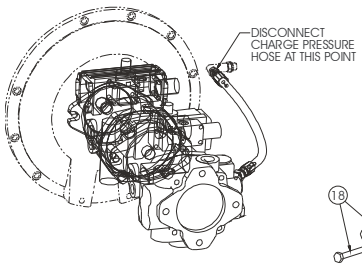
Ref. No.	Part No.	Description	Qty. Req.
1	054994	ST MJ06-MORB06	1
2	067847	HLN INST 3/8 CZY	2
3	068938	90 MJ06-MAORB06	4
4	072806	TEE MJ06-FJS06-MJ06	1
5	079098	PLATE/TOP SIZE 2 TWIN FL	1
6	137168	PIN LINK	2
7	137169	LATCH LINK	2
8	137170	LATCH PIN	2
9	137386	PIN/SPRING	2
10	137387	PIN/SPRING	2
11	139101	DECAL-POWER ALL-TACH	1
12	139107	DECAL-LATCHING (LEFT)	1
13	139109	DECAL-LATCHING (RH)	1
14	194309	CLAMP/TUBE .38 TWIN	3
15	194380	PLATE/TOP SIZE 1 TWIN	3
16	241701	CYLINDER/HYD POWER F-A-T	1
17	241711	LINK/SPRING SLIDE	2
18	243409	BRKT/STOP	1
19	243415	BRKT/STOP	1
20	245180	CLAMP/TUBE .38 TWIN	1
21	310-32411	Screw Self Tapping3/8-16	13
22	50350107	FLAG/LH/WLDMT	1
23	50350108	FLAG/RH/WLDMT	1
24	50351222	HWHTFS 5/16X1-3/4	1
25	50351569	VALVE/POWER ALL-TACH	1
26	50351581	TUBE/ALLTACH/POWER	1
27	50351582	TUBE/ALLTACH/POWER	1
28	50351597	ASSY/HOSE/SLEEVE	1
29	50351812	BRKT/POWER ALL-TACH	1
30	50352699	COVER/CYLINDER/UPPER	1
31	50352702	COVER/FLAG/CLEANOUT/LH	1
32	50352704	COVER/CYLINDER/LOWER	1
33	50352705	COVER/FLAG/CLEANOUT/RH	1
34	50352950	HOSE/MP .38 X 46.00	2
35	50450195	ACTUATOR/190/MANUAL	1
36	650535	CS 3/8X2-1/4 C5ZY	2
37	650569	CS 1/2X1-3/4 C5ZY	2
38	650706	CS 1/4X2 C5ZY	2
39	650863	FW 1/4 ANZY	2
40	650934	THWH TC USL 3/8X1 CZY	4
41	650959	THWH TC USL 1/4X1-1/2 CZ	3
42	650973	THWH TC USL 5/16X1 CZY	3
43	653005	HN 1/4 C2ZY	2
44	653018	HN 1/2 C2ZY	2
45	653053	HJN 3/4 F2ZY	2

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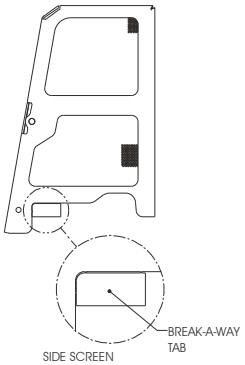
50450384 Completing Kit
Power-A-Tach Kit



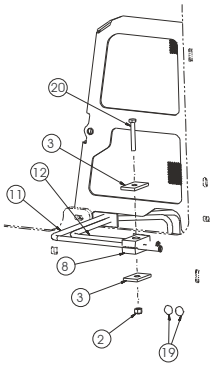
PILOT PUMP CONFIGURATION
FIGURE #5



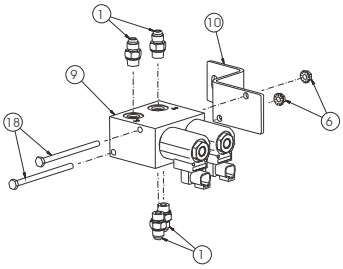
T-BAR PUMP CONFIGURATION
FIGURE #6



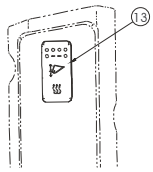
SIDE SCREEN
FIGURE #2



EXTERNAL ASSEMBLY VIEW
FIGURE #3



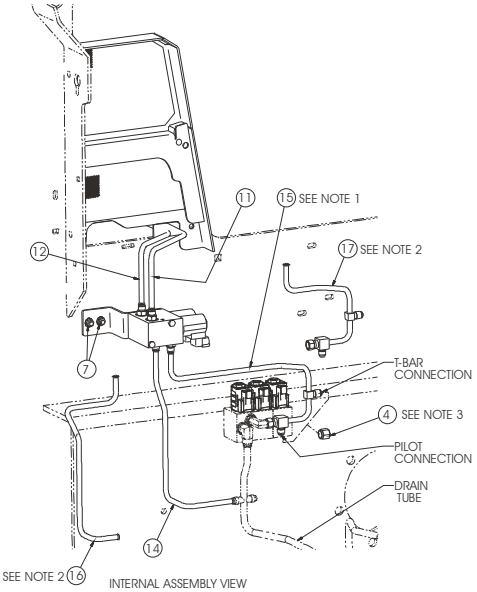
VALVE ASSEMBLY
FIGURE #1



SWITCH PLACEMENT
RIGHT HAND ELECTRICAL TOWER
FIGURE #8



DECAL PLACEMENT
FIGURE #7



INTERNAL ASSEMBLY VIEW
FIGURE #4

NOTES:

1.) USE THIS PART (50353532) WHEN INSTALLING ON R190, 1900R, R220, 2200R.

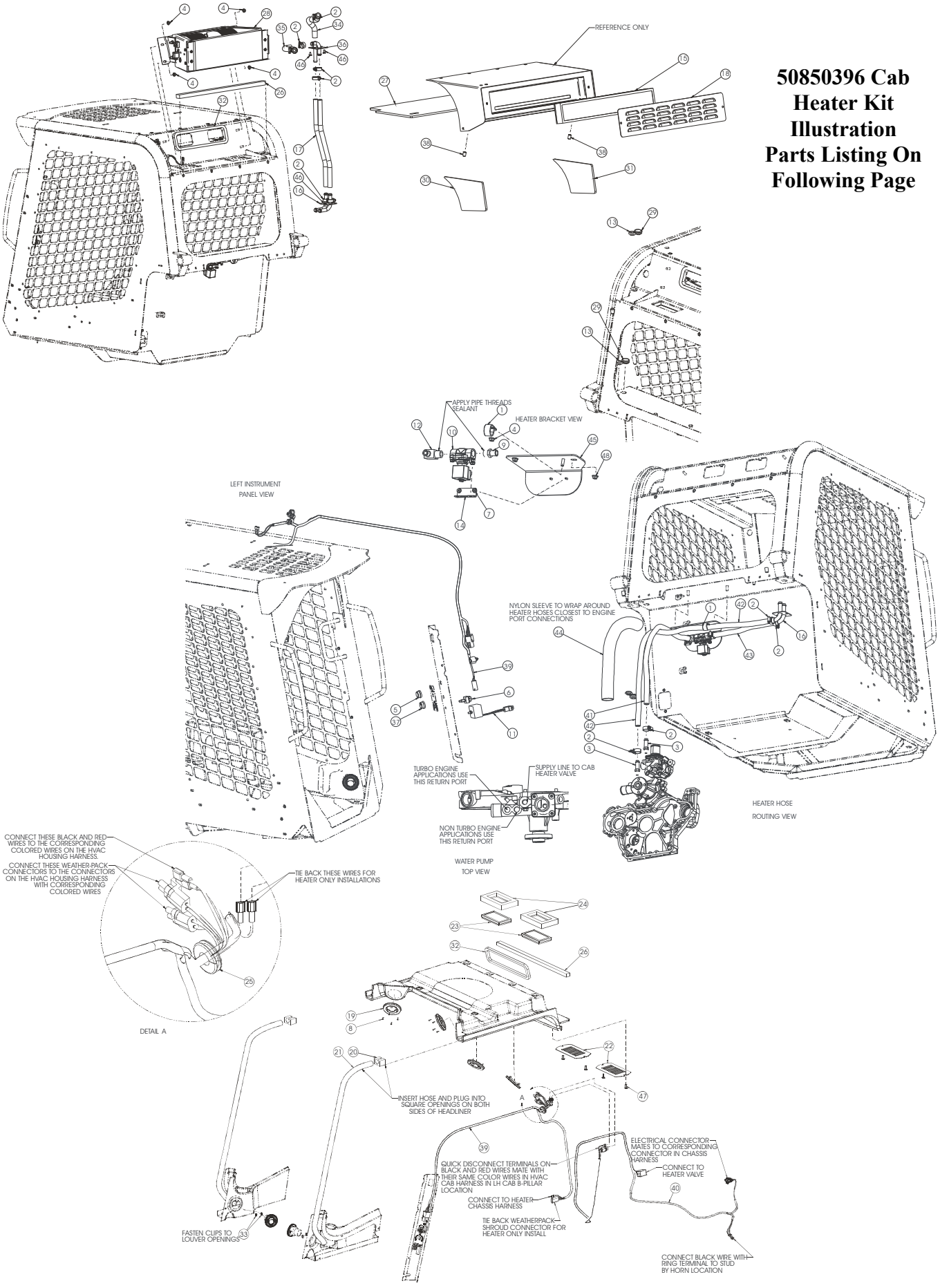
2.) USE THESE PARTS (50353538) & (50353540) WHEN INSTALLING ON R260, 2600R.

3.) USE THIS CAP TO COVER UNUSED PORT.

Ref. No.	Part No.	Description	Qty. Req.
	50450384	ASSY/CHASSIS P-A-T	
1	054994	ST MJ06-MORB06	4
2	064260	HLN INST 5/16 CZY	1
3	079098	PLATE/TOP SIZE 2 TWIN FL	2
4	080556	CAP FJ06	1
5	184357	DECAL/POWER-A-TACH	1
6	210-19469	HN FL SLOC 1/4 CZY	2
7	210-19470	HN FL SLOC 5/16 CZY	2
8	245180	CLAMP/TUBE .38 TWIN	1
9	50351381	VALVE/POWER ALL-TACH	1
10	50351577	BRKT/POWER ALL-TACH	1
11	50351590	TUBE/ALLTACH/MANIFOLD	1
12	50351591	TUBE/ALLTACH/MANIFOLD	1
13	50351643	SWITCH/POWER-ALLTACH	1
14	50353531	TUBE/ALLTACH/MANIFOLD/DRAIN	1
15	50353532	TUBE/ALLTACH/CHARGE	1
16	50353538	TUBE/ALLTACH/MANIFOLD/DRAIN	1
17	50353540	TUBE/ALLTACH/CHARGE	1
18	650019	CS 1/4X4 C5ZY	2
19	650573	CB 5/16X1 C5ZY	2
20	650725	CS 5/16X2-1/4 C5ZY	1

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50850396 Cab Heater Kit Illustration Parts Listing On Following Page



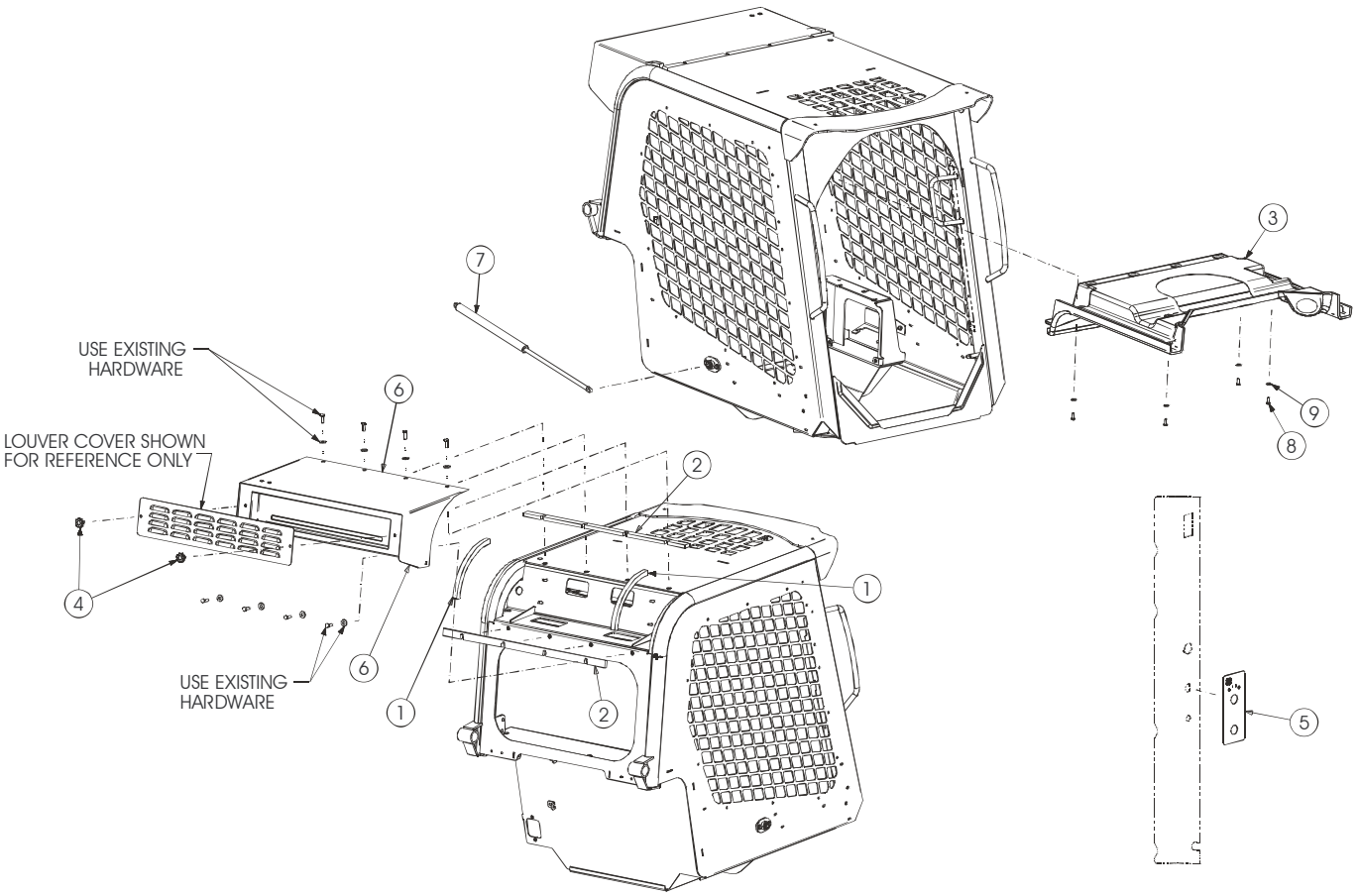
https://truckmanualshub.com/

50850396 Cab Heater Kit
Parts Listing
Illustration On Previous Page

Ref No.	Part No.	Description	Qty. Req'd
	50850396	KIT/CAB HEATER - R190/R220	
1	058805	CLAMP/HOSE 1.12X.41 HOLE	1
2	095955	CLAMP/HOSE #10	14
3	104052	ST-L HB10-MBSPT06	2
4	131842	HN FL SLOC 5/16 C	5
5	136304	KNOB/HEATER SWITCH	1
6	136305	SWITCH/HEATER	1
7	137797	NUT/SERR FLANGE 10-24	2
8	195110	SCREW/#8 X .5 SM/PHIL FH	16
9	186193	ST HB10-MP08	1
10	186703	HTR/AC SOLENOID VALVE	1
11	189033	MODULE/AC CONTROL	1
12	191351	ELBOW 90/1/2 NPT	1
13	192182	PLUG/RUBBER	2
14	193002	BRACKET/HEATER VALVE	1
15	195660	FILTER/HVAC FRESH AIR	1
16	241208	PLATE/HEATER TUBES	1
17	241209	HOSE/HEATER	2
18	241486	PLATE/COVER LOUVERED	1
19	242437	VENT	4
20	242534	PLUG/PASS-THROUGH TUBE	2
21	242537	TUBE/FORWARD HVAC	2
22	242831	COVER/RECIRC	2
23	242832	FILTER/RECIRC	2
24	242833	PAD/SEALING FILTER	2
25	242862	GROMMET .62ID .188GW 1.2	1
26	242863	PAD/FOAM SEALING STRIP	1
27	242917	PAD/HOUSING TOP	1
28	243007	ASSY/HEATER HOUSING	1
29	243009	GROMMET .69ID .250GW 1.0	2
30	243013	PAD/HOUSING LH	1
31	243014	PAD/HOUSING RH	1
32	243017	PAD/HVAC HEADLINER SEAL	1
33	243445	CLIP/HOSE RETAINING	4
34	243737	HOSE/MOLDED HTR (SUPPLY)	1
35	243738	HOSE/MOLDED HTR (RETURN)	1
36	243741	HEATER TUBE WLDMN'T	1
37	244496	KNOB/HVAC TEMP CONTROL	1
38	244821	CAP/TUBE .50 TUBE OD	2
39	50351041	HARNESS/HVAC CAB	1
40	50351045	HARNESS/HEATER CHASSIS	1
41	50352401	HOSE HEATER 5/8 X 35.00	1
42	50352402	HOSE HEATER 5/8 X 50.00	1
43	50352403	HOSE HEATER 5/8 X 14.00	1
44	50352424	SLEEVE HG28 X 27	1
45	50352548	ASSY BRACKET HEATER VALVE	1
46	651307	PHMS CR 1/4X1/2 ZB	4
47	651308	PHMS CR 1/4X3/4 ZB	4
48	090666	LN FL SERR 3/8 CZY	2

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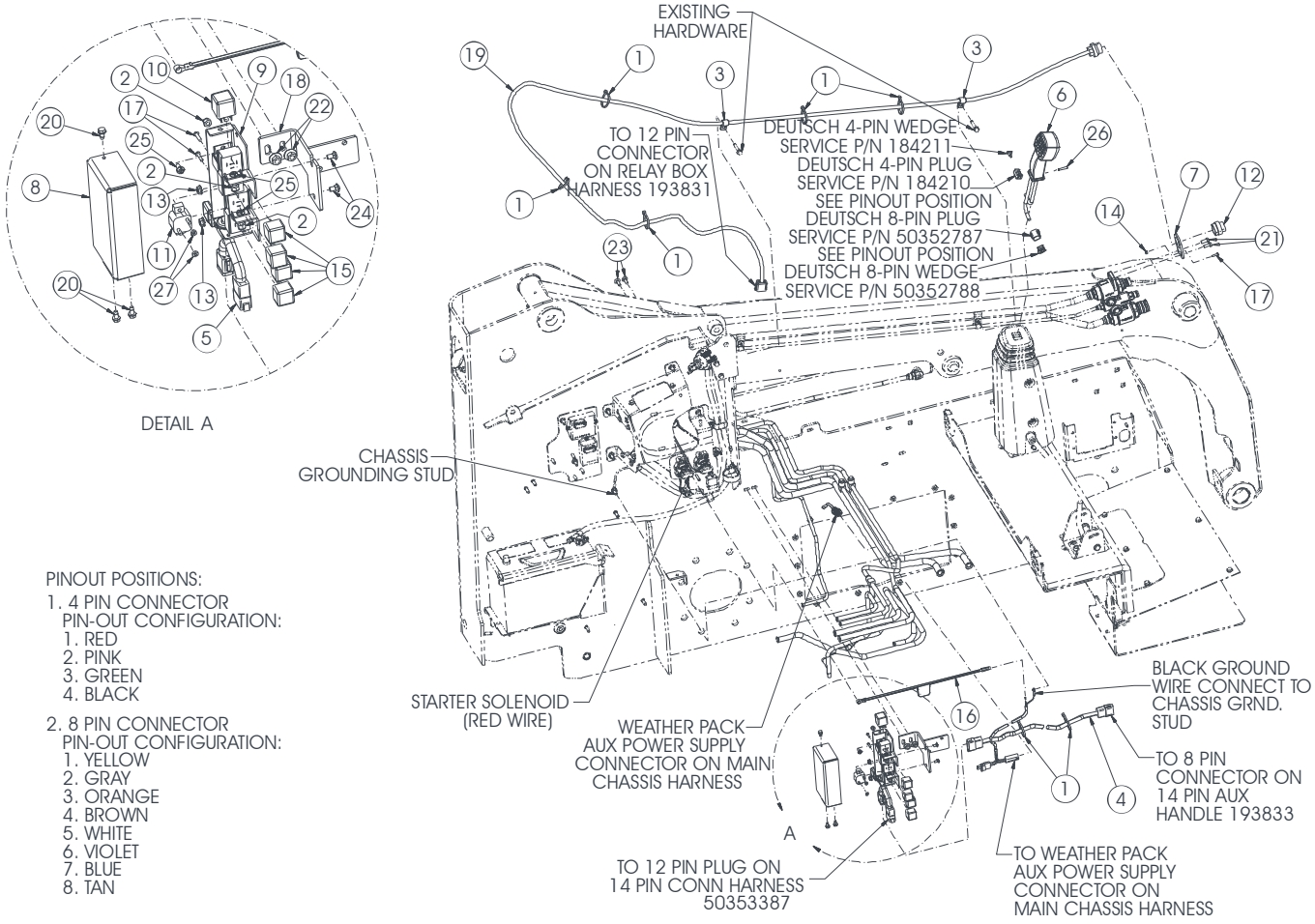
Cab Heater Completing Parts
Cab Heater Kit



Ref No.	Part No.	Description	Qty. Req'd
1	241312	SEAL/FOAM SIDE	2
2	241346	SEAL/FOAM BOTTOM	2
3	241650	HEADLINER/DUCT A/C	1
4	242482	KNOB/CLAMPING .31 STUD	2
5	243973	DECAL/FAN SPD	1
6	244681	WLDMT/HVAC HOUSING	1
7	50350388	GAS SPRING/2050N	2
8	651308	PHMS CR 1/4X3/4 ZB	4
9	651807	FW 1/4 AWZB	4

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50850475 Electric Attachment Control Kit



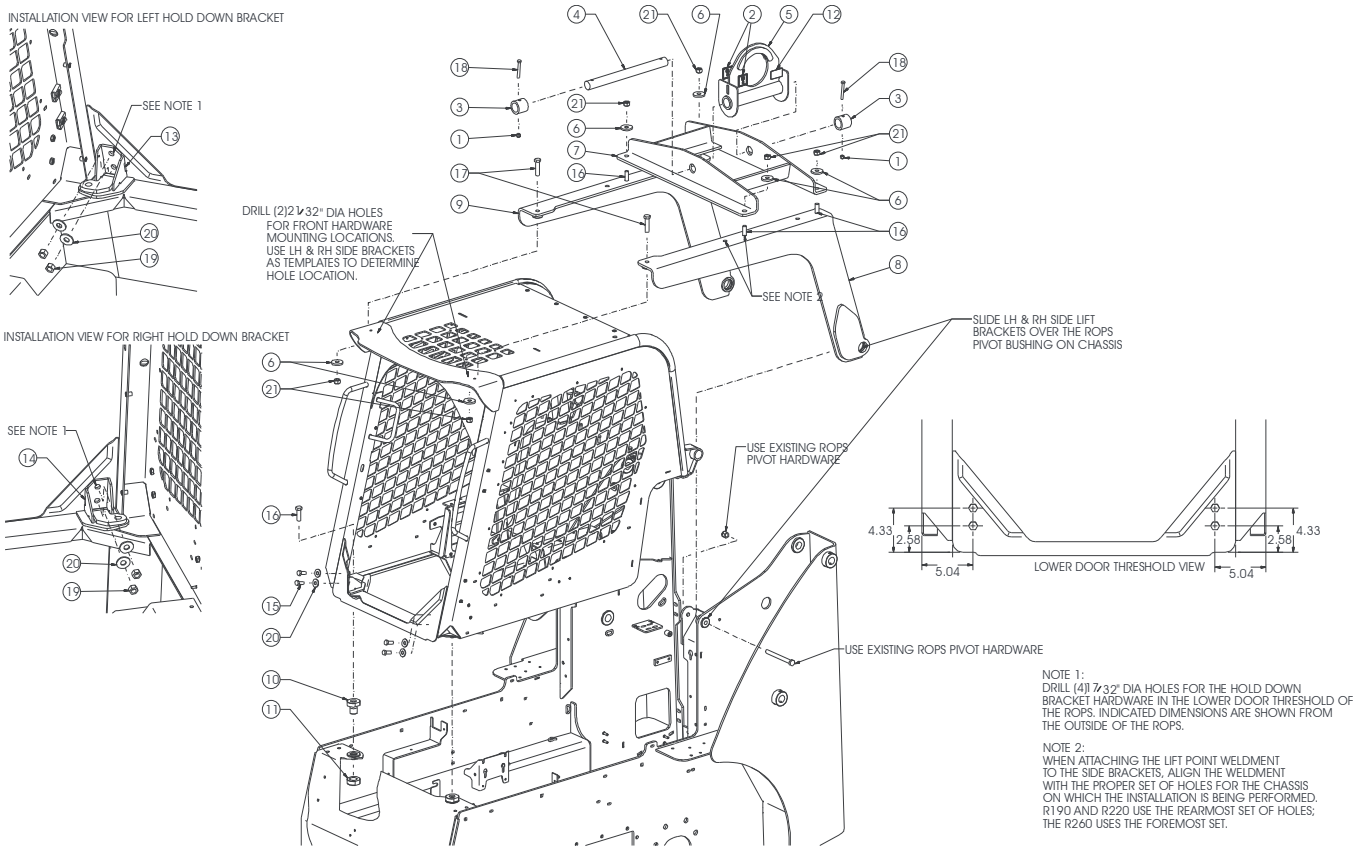
PINOUT POSITIONS:

1. 4 PIN CONNECTOR PIN-OUT CONFIGURATION:
   1. RED
   2. PINK
   3. GREEN
   4. BLACK
2. 8 PIN CONNECTOR PIN-OUT CONFIGURATION:
   1. YELLOW
   2. GRAY
   3. ORANGE
   4. BROWN
   5. WHITE
   6. VIOLET
   7. BLUE
   8. TAN

Ref. No.	Part No.	Description	Qty
	50850475	KIT/14-PIN AUX CONNECTOR	
1	055648	TIE/CABLE .19X7.50 BLACK	7
2	071401	HLN INST 1/4 CZY	3
3	076147	CLAMP/HOSE .50X.41 HOLE	2
4	193828	HARNESS/14 PIN AUX	1
5	193831	HARNESS/RELAY BOX	1
6	193833	HANDLE / 14 PIN AUX	1
7	193850	MOUNT / 14 PIN CONNECTOR	1
8	193855	COVER/RELAY BOX	1
9	193857	CHASSIS/RELAY BOX	1
10	194146	DIODE BLOCK/8	1
11	194147	BREAKER/15A	1
12	194507	DUST CAP W/CHAIN	1
13	210-19469	HN FL SLOC 1/4 CZY	2
14	210-32183	HN/NYLON INSERT #8-32 ZY	1
15	242144	RELAY/SEALED	4
16	273181	20 AMP INLINE FUSE	1
17	310-32288	RHMS #8-32X3/4 CZY SLTD	3
18	50353165	WELDMENT/BRKT/RELAY BOX	1
19	50353387	HARNESS / 14 PIN CONN 150.00	1
20	650315	THWH TC USL 1/4X1/2 CZY	3
21	650486	CS 5/16X3/4 C5ZY	2
22	650518	HN LG FL 5/16 C2ZY	2
23	650573	CB 5/16X1 C5ZY	2
24	650771	CB 1/4X1/2 C5ZY	2
25	651307	PHMS CR 1/4X1/2 ZB	3
26	651467	PIN/ROLL 5 X 30	1
27	653000	HN MS #832 C	2

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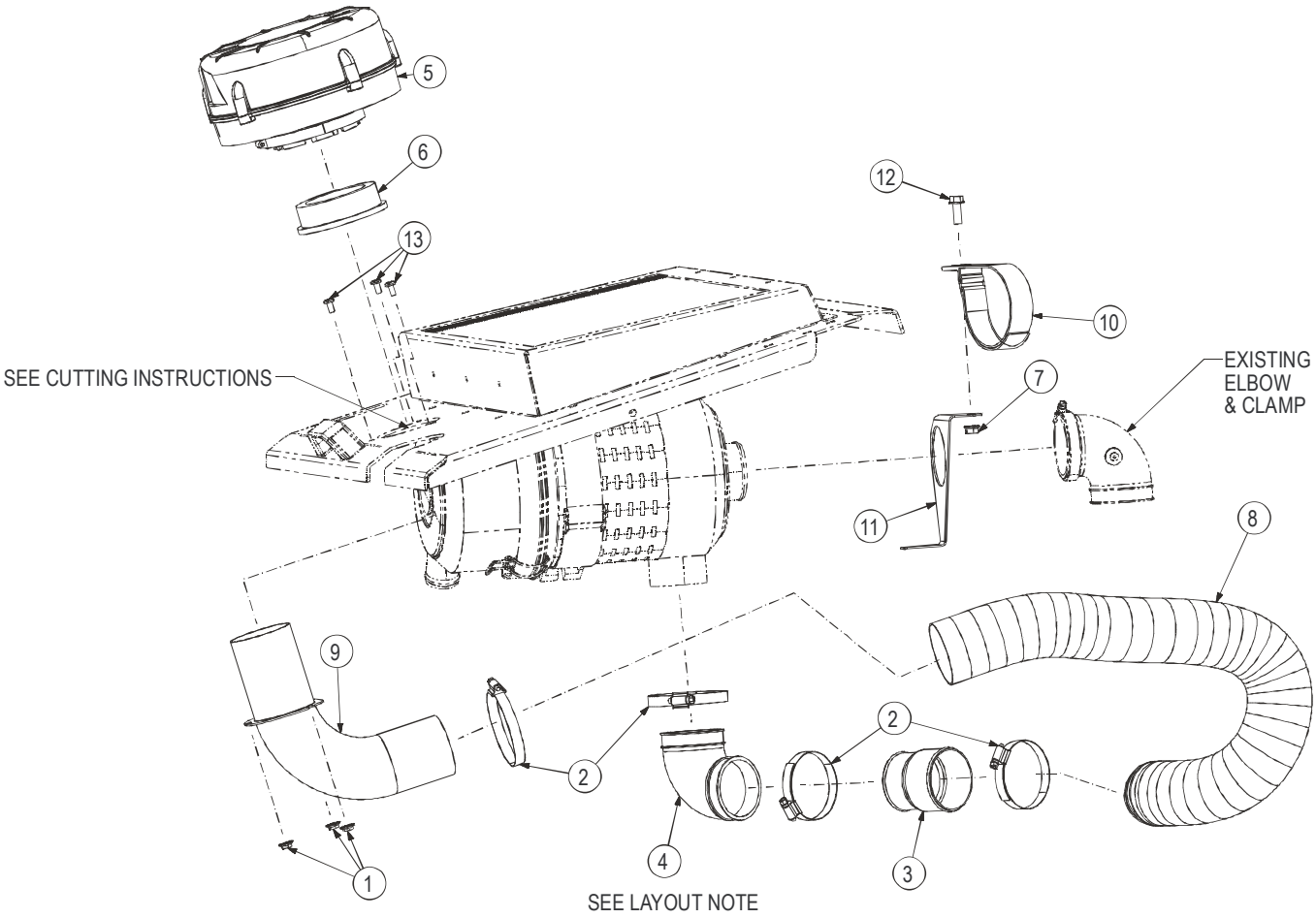
50850457 Single-Point Lift Kit



Ref No.	Part No.	Description	Qty. Req'd
	50850457	KIT/SINGLE-POINT LIFT	
1	067847	HLN INST 3/8 CZY	2
2	137718	DECAL/LIFT HOOK	2
3	138669	TUBE/LOCKING	2
4	188050	ROD/LIFT SUPPORT	1
5	188053	WELDMENT/LIFT EYE ASSY	1
6	480-27676	FW 41/64 ZY	6
7	50353995	SINGLE POINT LIFT WLDMT	1
8	50353999	SIDE LIFT BRKT/LH WLDMT	1
9	50354000	SIDE LIFT BRKT/RH WLDMT	1
10	50354014	BASE/THREADED HOLDDOWN	2
11	50354015	HOLDDOWN SPACER/THREADED	2
12	50354024	PLATE/NAME	1
13	50354093	HOLDDOWN BRACE WLDMT/LH	1
14	50354094	HOLDDOWN BRACE WLDMT/RH	1
15	650495	CS 1/2X1-1/4 C5ZY	4
16	650647	CS 5/8X2 C5ZY	6
17	650694	CS 5/8X2-1/2 C5ZY	2
18	650818	CS 3/8X3 C5ZY	2
19	653018	HN 1/2 C2ZY	4
20	654008	FW 1/2 AW	8
21	L50081	HN 5/8 C5ZY	6

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50850556 Pre-Cleaner Kit (Non-DPF Models)



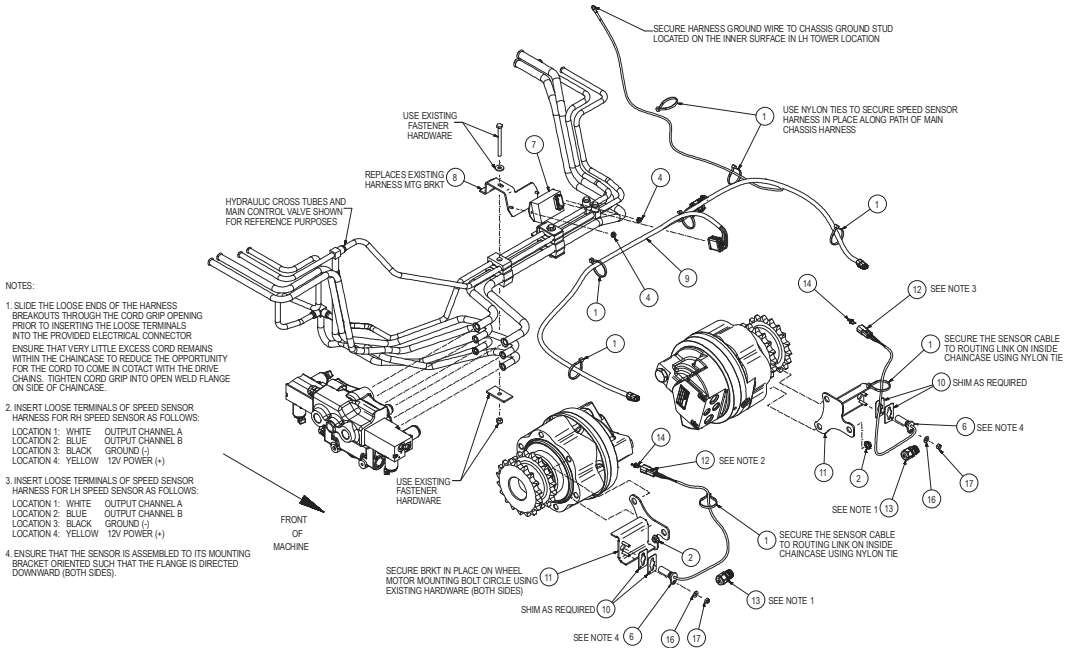
R190/1900R/R220/2200R X-SERIES LAYOUT

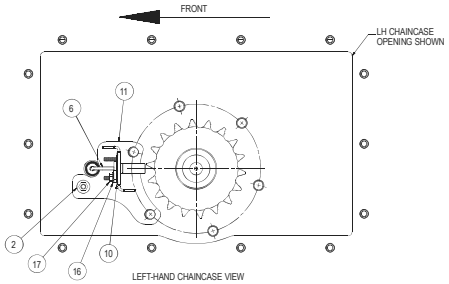
WHEN INSTALLING THE 189798 ELBOW, ORIENT SO THAT IT IS POINTED T0WARDS THE FRONT RIGHT CORNER OF THE MACHINE

Ref. No.	Part No.	Description	Qty.
	50850556	KIT/PRE-CLEANER	
1	070634	HN LF SLOC 1/4 CZ	3
2	087849	CLAMP/HOSE #52	4
3	189673	REDUCER/INTAKE	1
4	189798	ELBOW 90	1
5	192587	PRECLEANER	1
6	192731	ADAPT/3.0-4.0/PRECLEANER	1
7	210-19533	HN FL CLOC 3/8 CZY	1
8	240306	HOSE/AIR INTAKE	1
9	272742	TUBE/PRECLNR/FLNG 90	1
10	50353622	STRAP/CINCH HANGING-08	1
11	50354293	FLEX HOSE MGT BRKT	1
12	651042	HWHMS 3/8X1 C2ZY	1
13	651307	PHMS CR 1/4X1/2 ZB	3

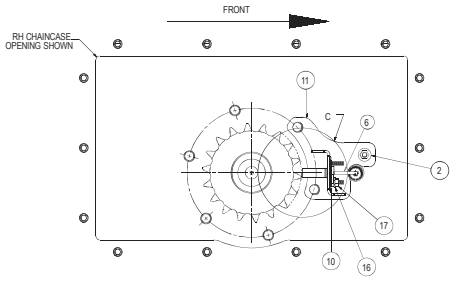
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50850572 Backup Alarm Kit (EU and X-Series Models)

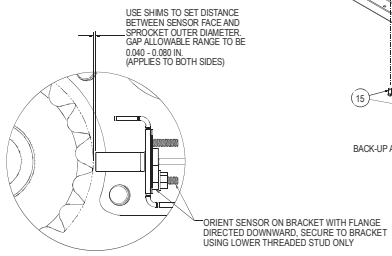




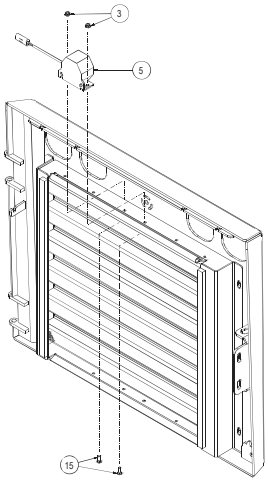
LEFT-HAND CHAINCASE VIEW



RIGHT-HAND CHAINCASE VIEW



DETAIL C


BACK-UP ALARM/REAR DOOR INSTL

Ref. No.	Part No.	Description	Qty.
	50850572	KIT/BACKUP ALARM	
1	055648	TIE/CABLE .19X7.50 BLACK	8
2	070648	LN LG FL SERR 5/16 CZ	2
3	134588	NUT/SPIRALOCK 1/4-20	2
4	137797	LN FL SERR #1024 CZY	2
5	140880	ALARM/BACK-UP	1
6	50304578	SENSOR/SPD/DIRECTION	2
7	50354101	MODULE/SENSOR/SPEED	1
8	50354265	MODULE MNT BRKT ASSY	1
9	50354359	HARNESS/SPD SENSOR	1
10	50354569	SHIM/SPEED SENSOR	4
11	50354571	SENSOR MTG BRKT WLDMT	2
12	50354580	DTM04-4P RECEPTACLE	2
13	50354589	CORD GRIP/1/2 NPT	2
14	50354610	WEDGE DTM 4-PIN RECPT	1
15	650758	CB 1/4X3/4 C5ZY	2
16	650863	FW 1/4 ANZY	2
17	653005	HN 1/4 C2ZY	2

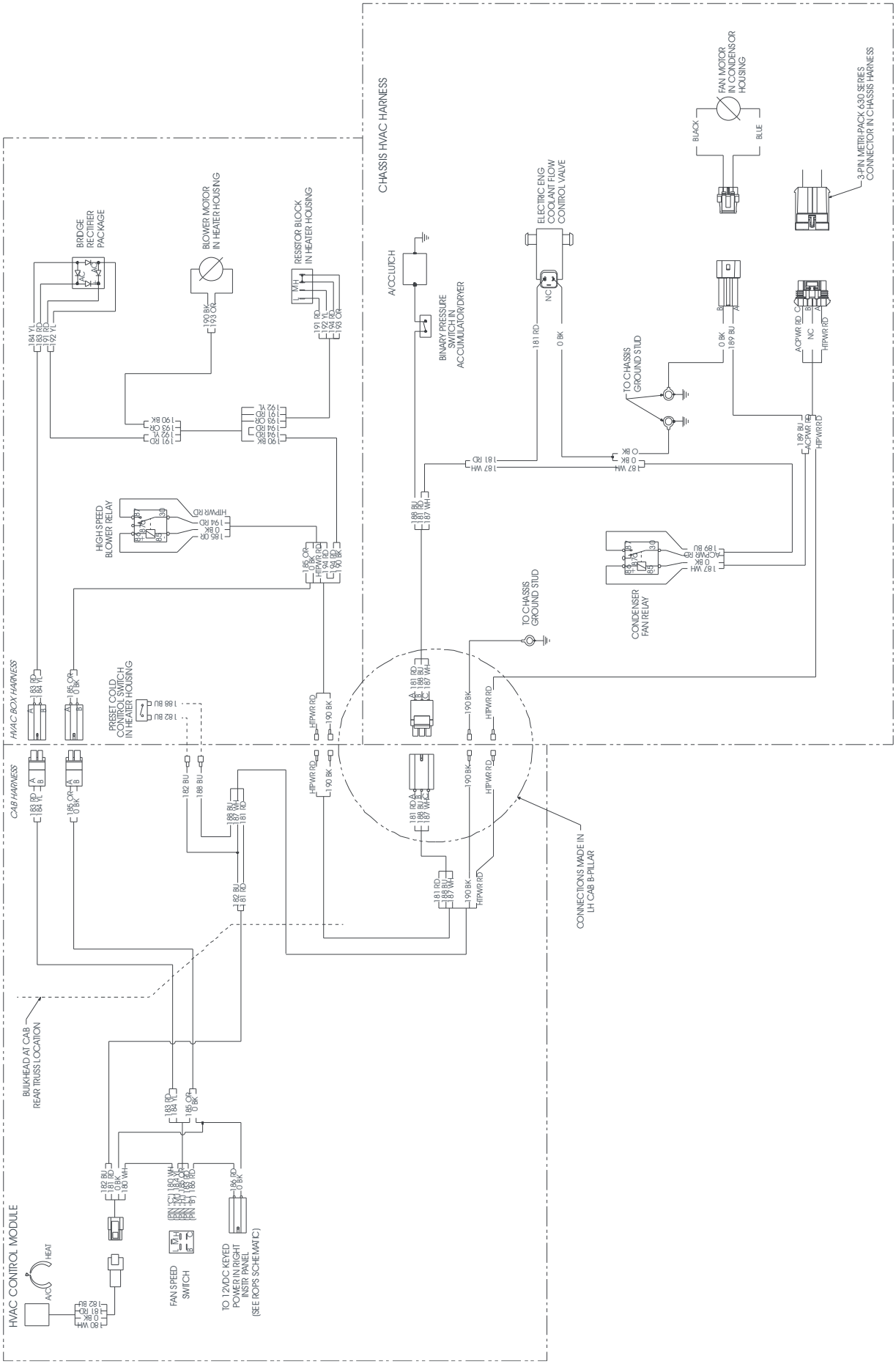
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SECTION D: SCHEMATICS

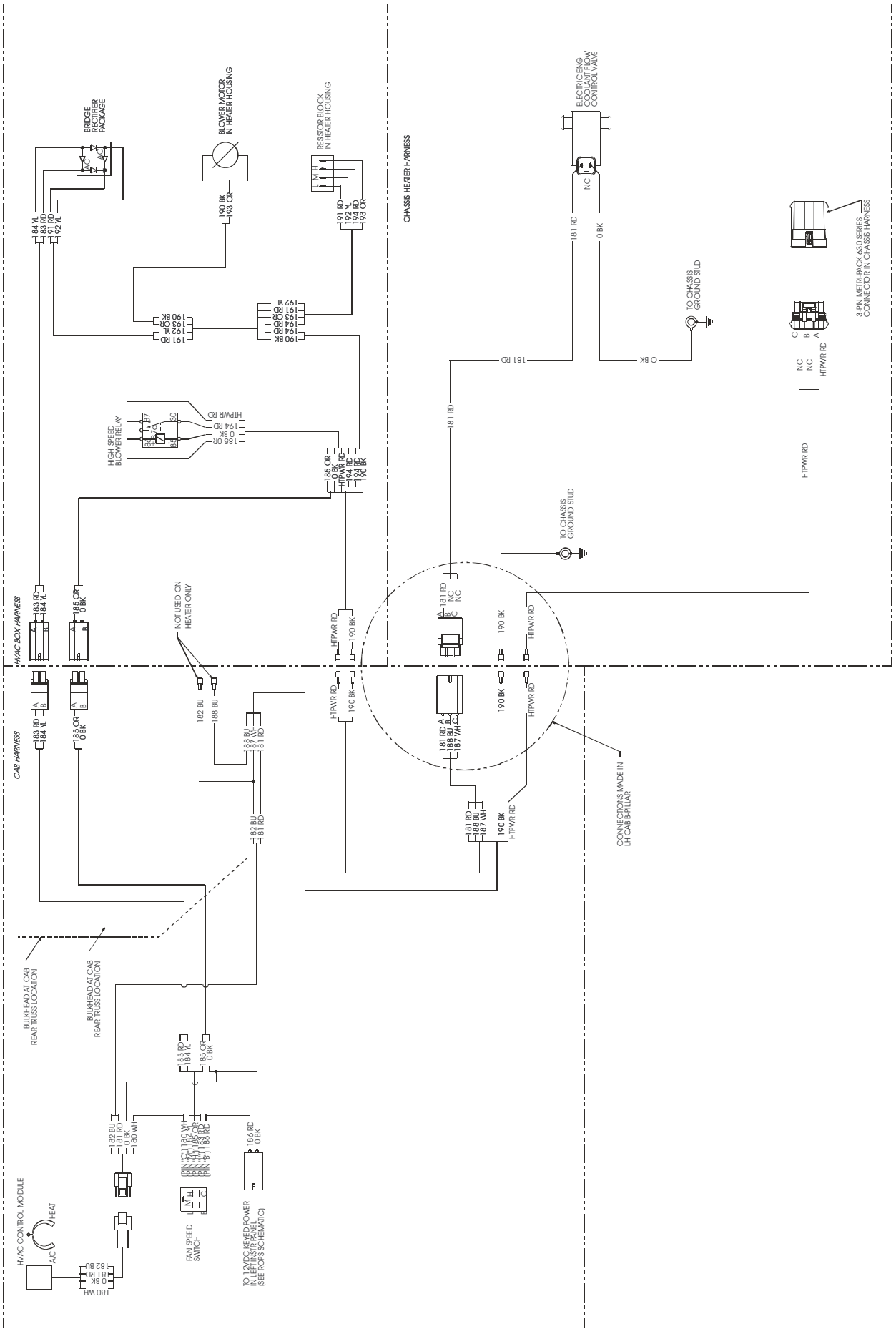
Electrical Schematic - HVAC 227
Electrical Schematic - Heater/Defroster 228
Electrical Schematic - 14-Pin Connector 229
Hydrostatic/Hydraulic Schematic - Hand/Foot. 230
Hydrostatic/Hydraulic Schematic - Dual Joystick 231
Hydrostatic/Hydraulic Schematic - T-Bar. 232
Hydrostatic/Hydraulic Schematic - Dual Hand 233
Electrical Schematic - Engine. 234
Electrical Schematic - Chassis 236
Electrical Schematic - ROPS 238

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SCHEMATICS - HVAC

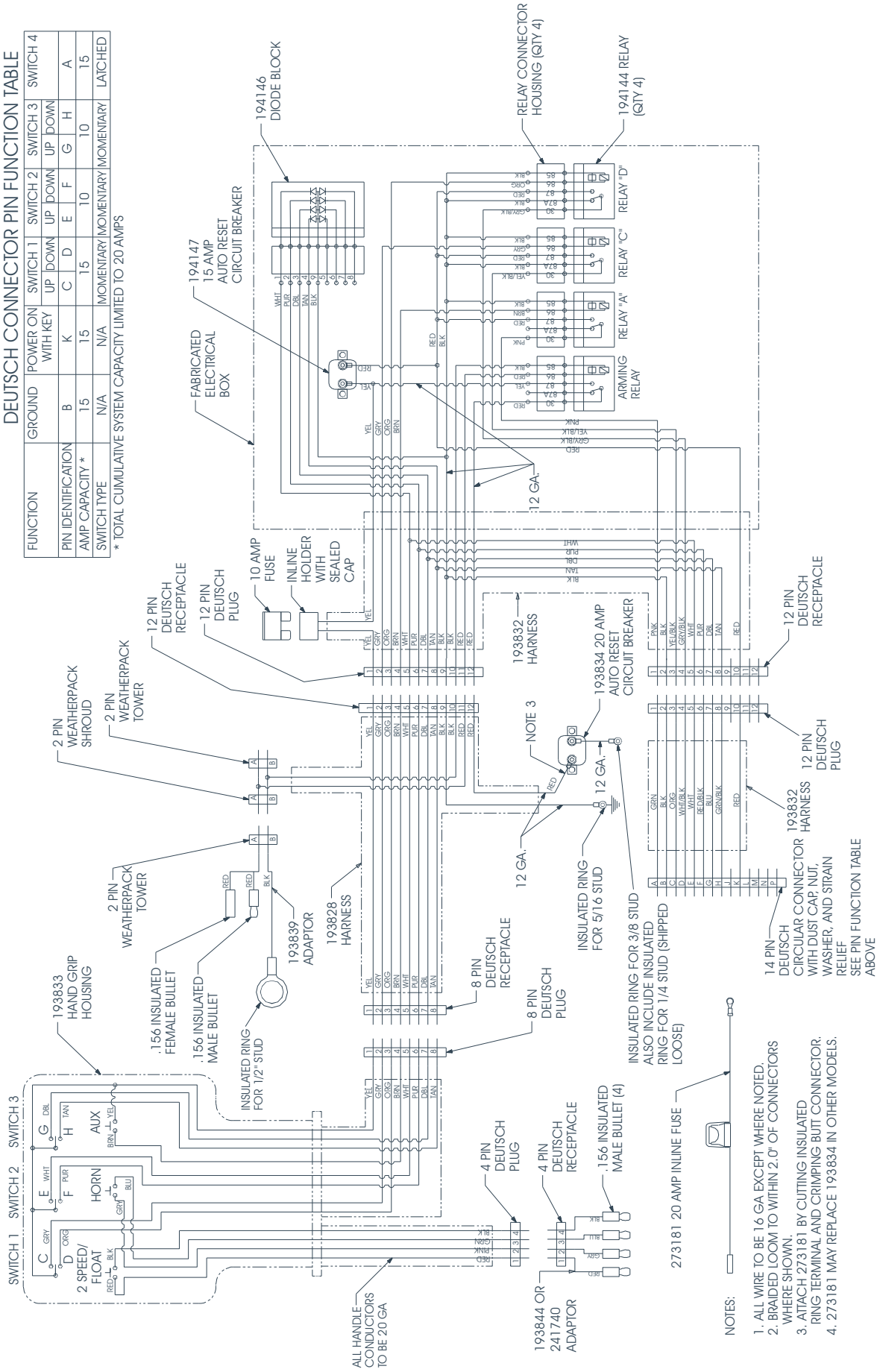


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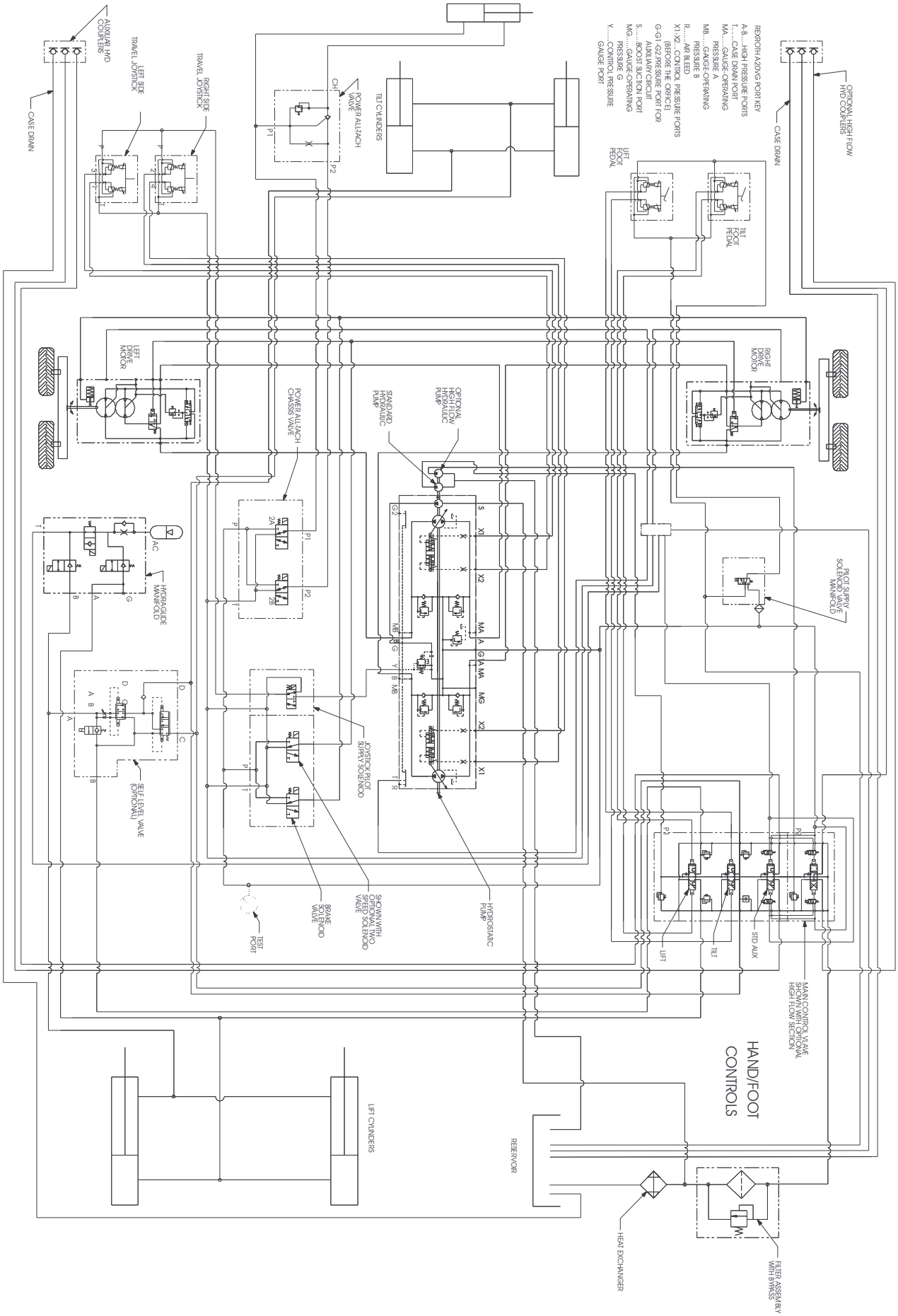
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SCHEMATICS - ELECTRICAL AUXILIARY - 14-PIN CONNECTOR



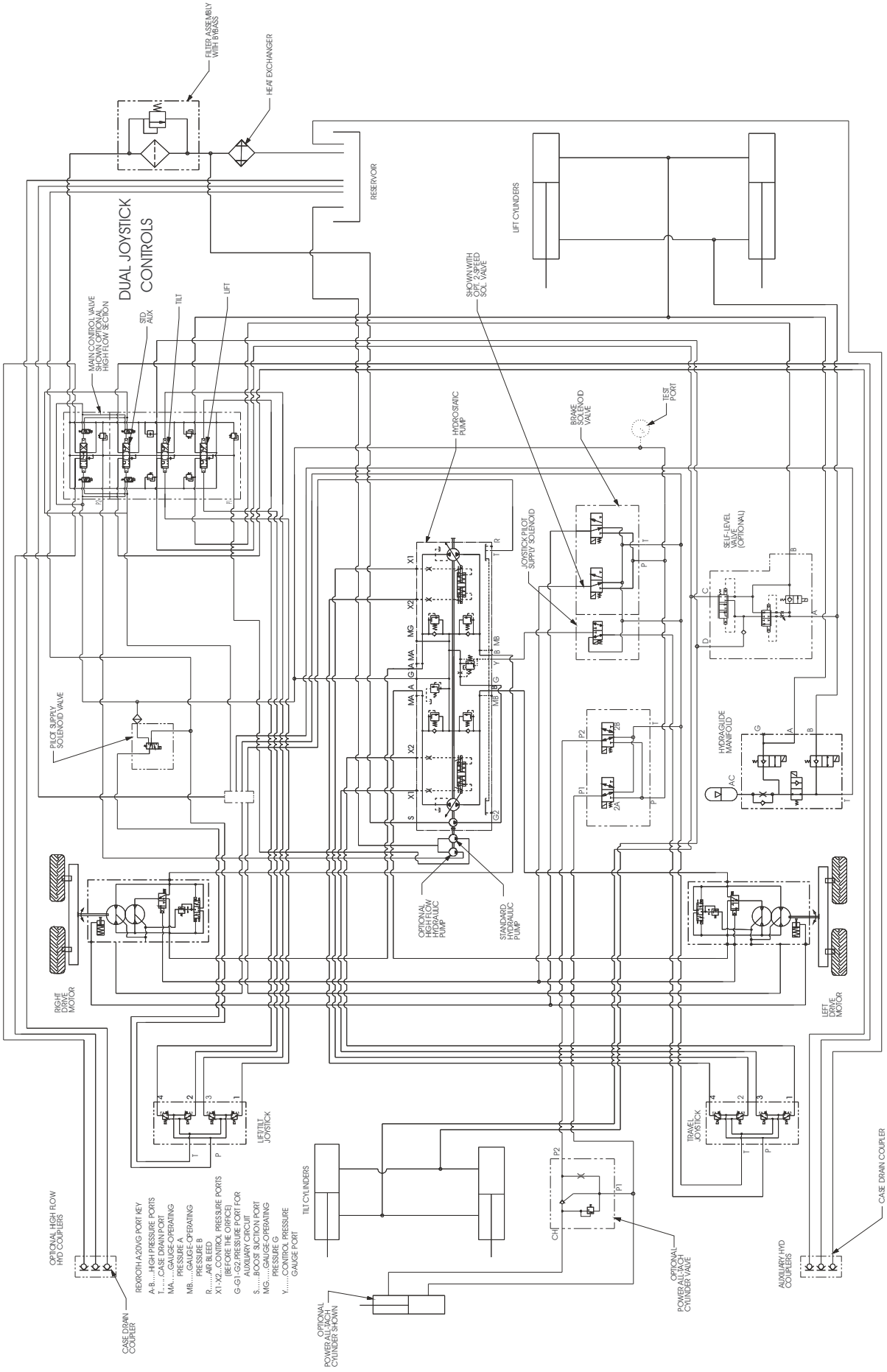
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SCHEMATICS - HYDROSTATIC/HYDRAULIC - HAND/FOOT



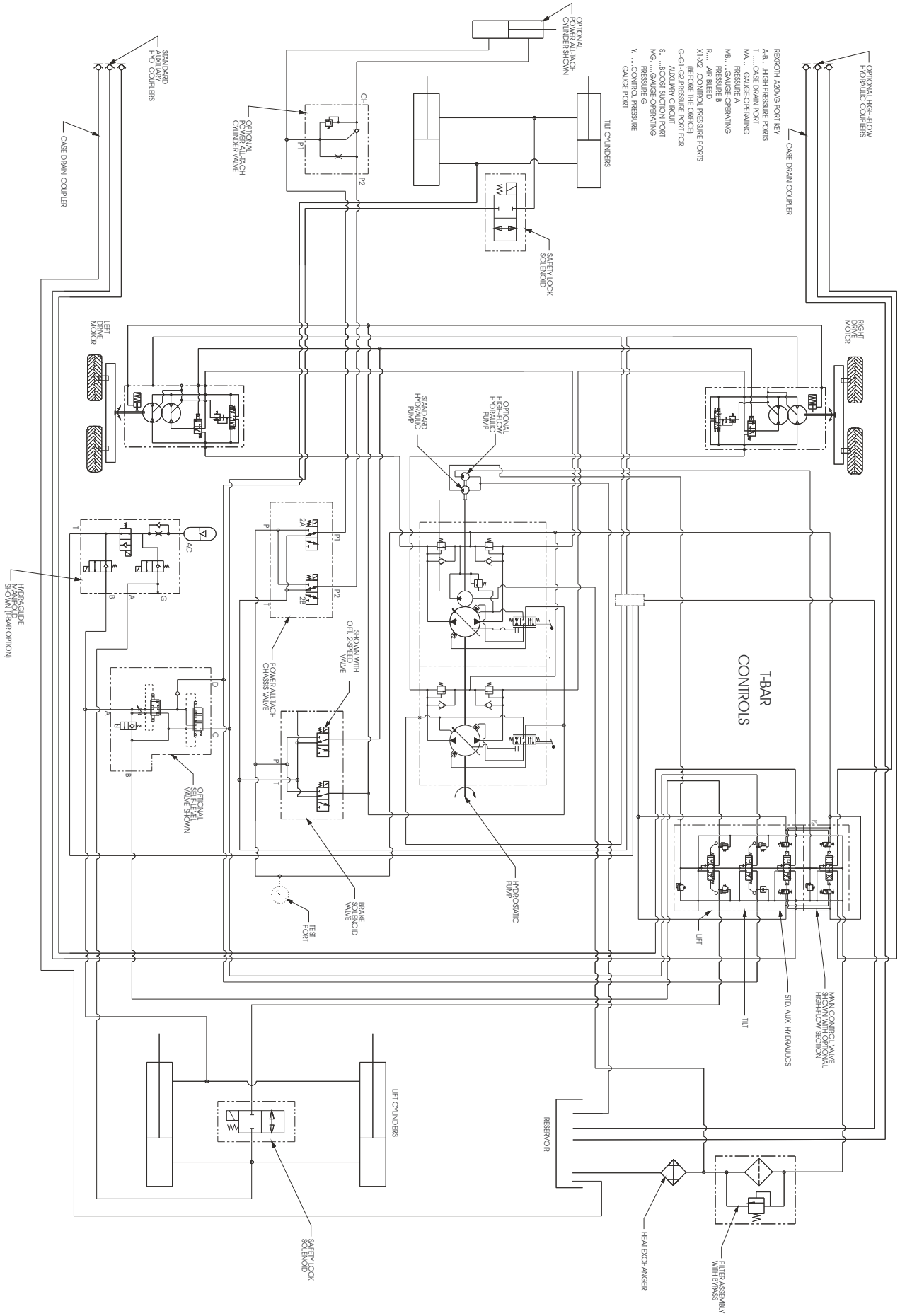
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SCHEMATICS - HYDROSTATIC/HYDRAULIC - DUAL JOYSTICK



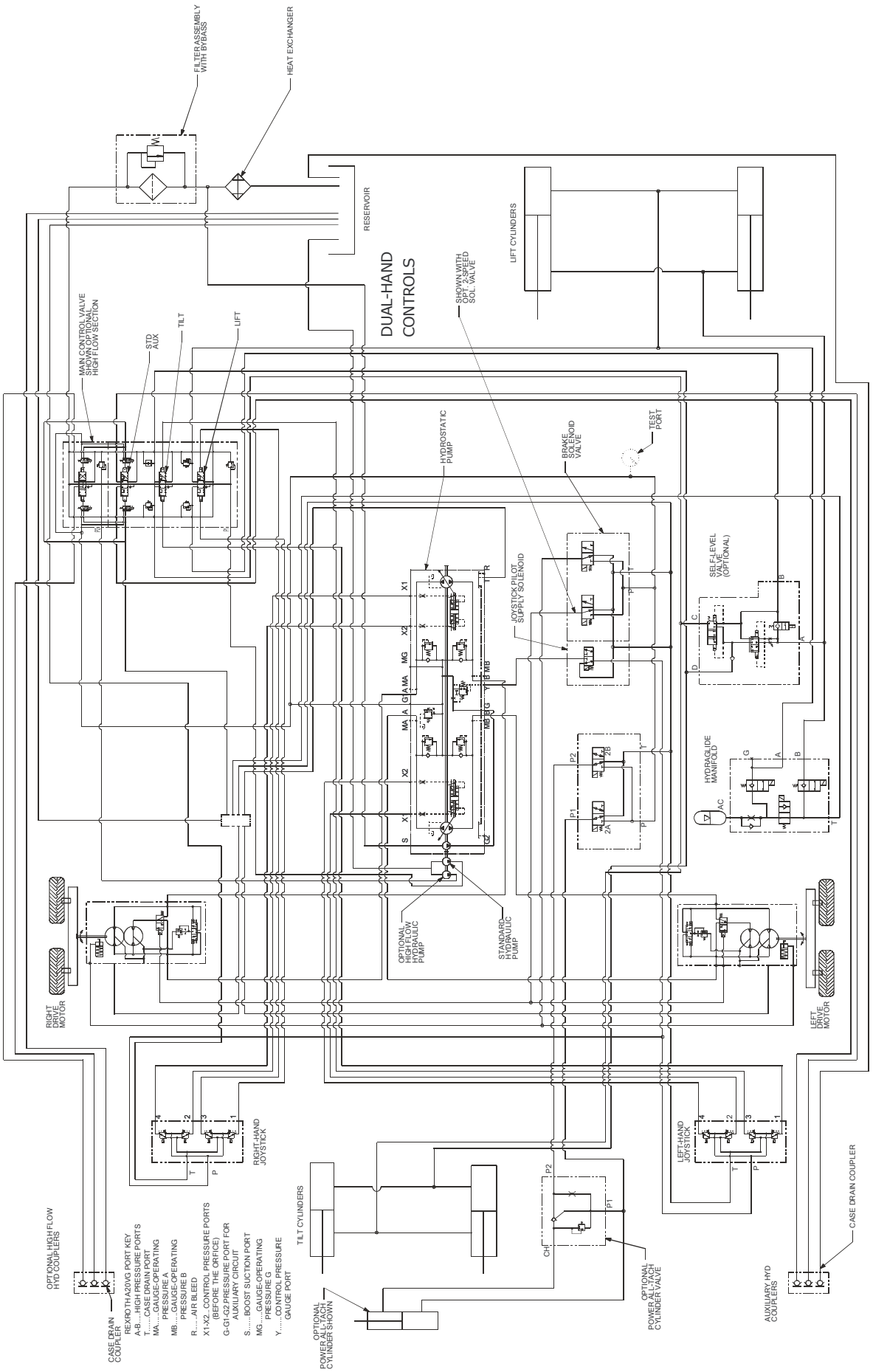
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SCHEMATICS - HYDROSTATIC/HYDRAULIC - T-BAR



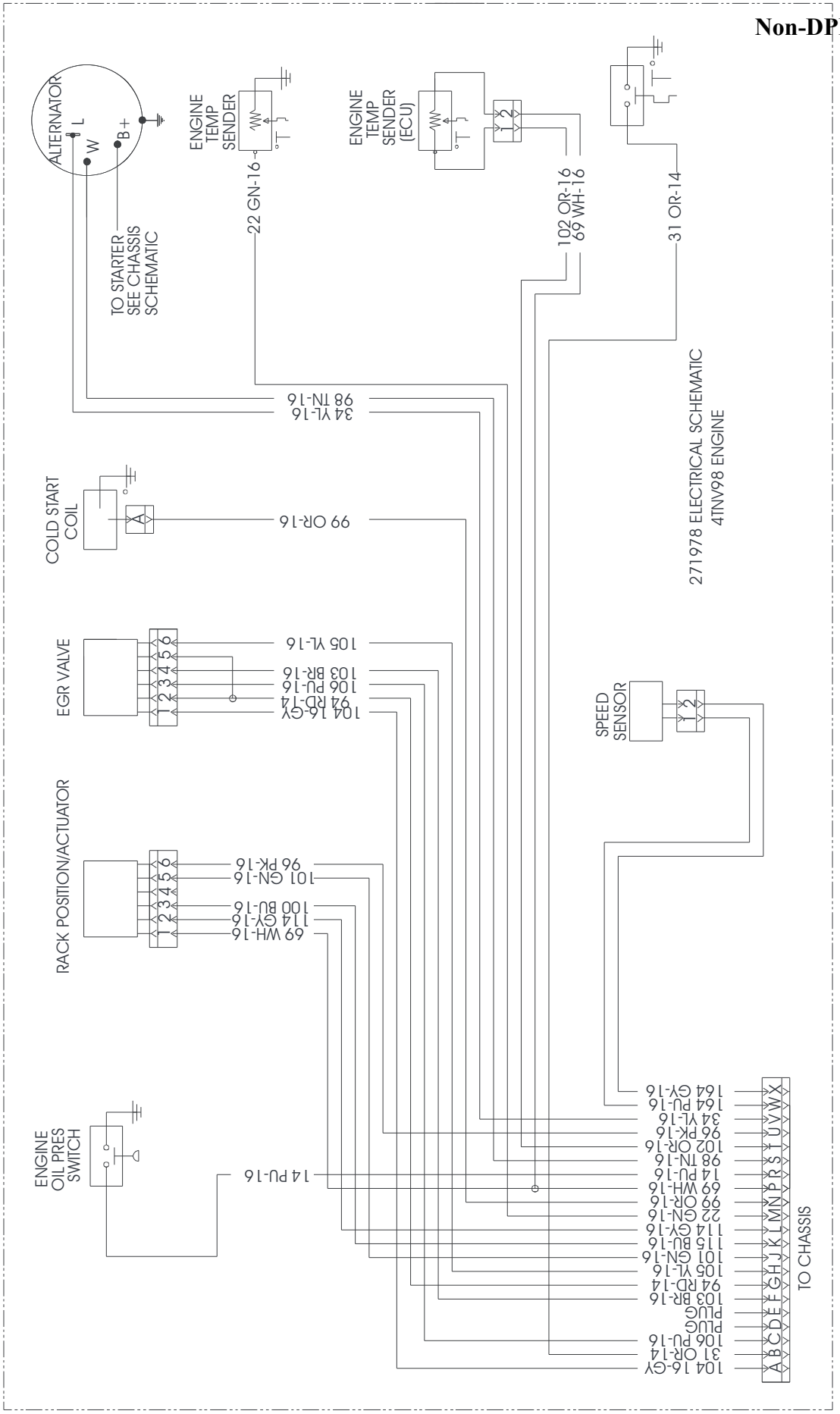
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SCHEMATICS - HYDROSTATIC/HYDRAULIC - DUAL HAND



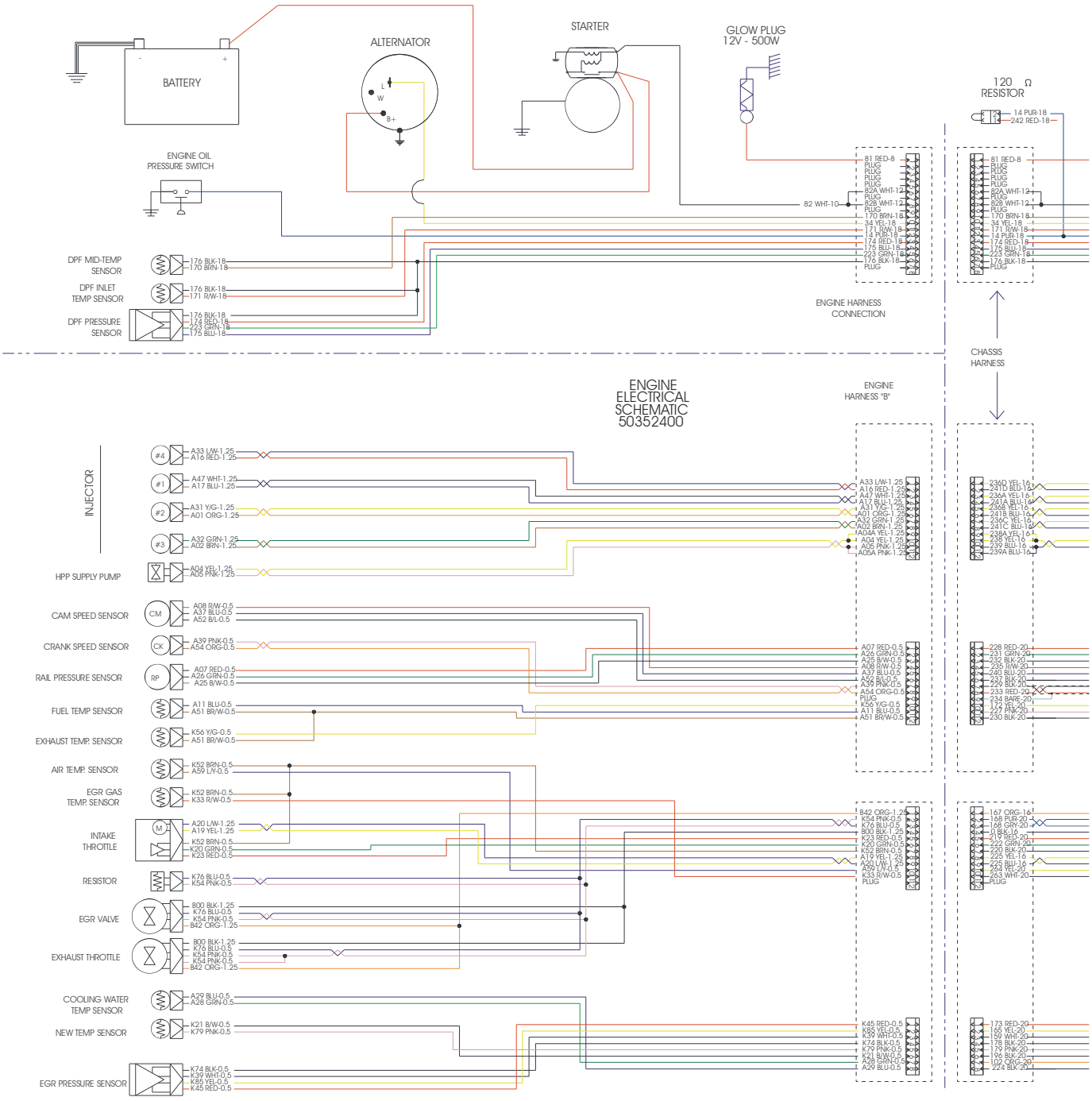
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Non-DPF Models

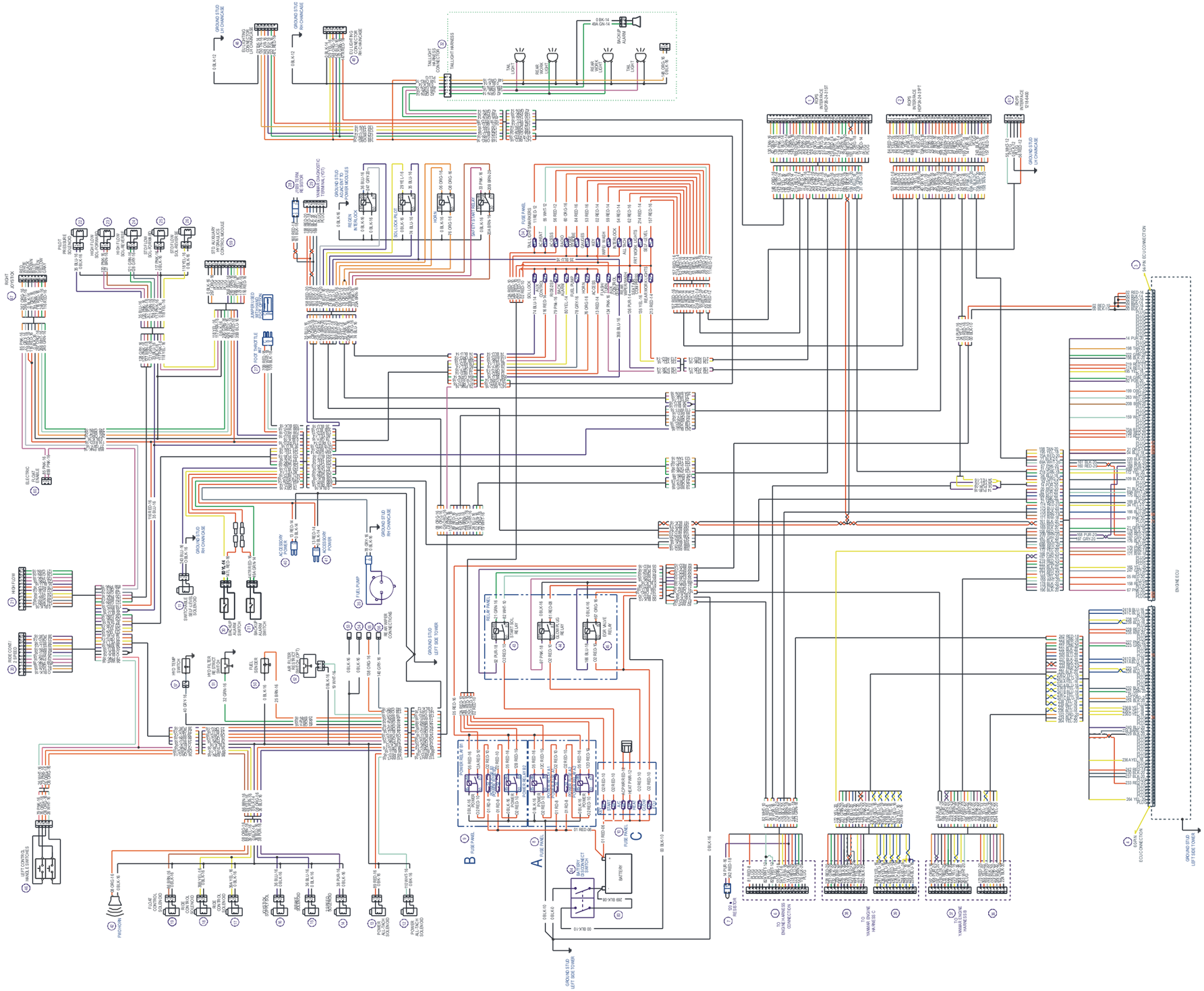


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DPF
Models

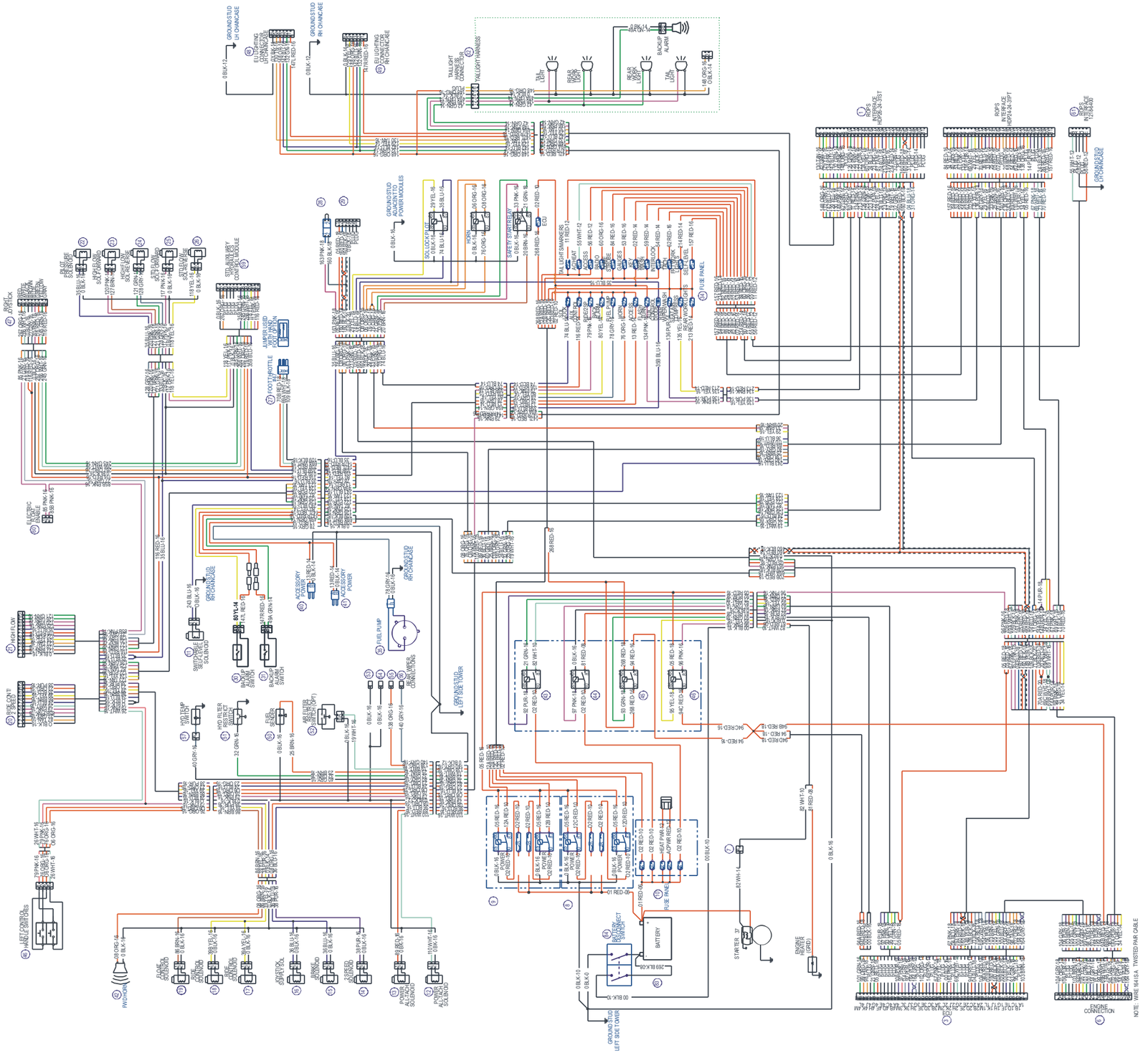


DPF
Models

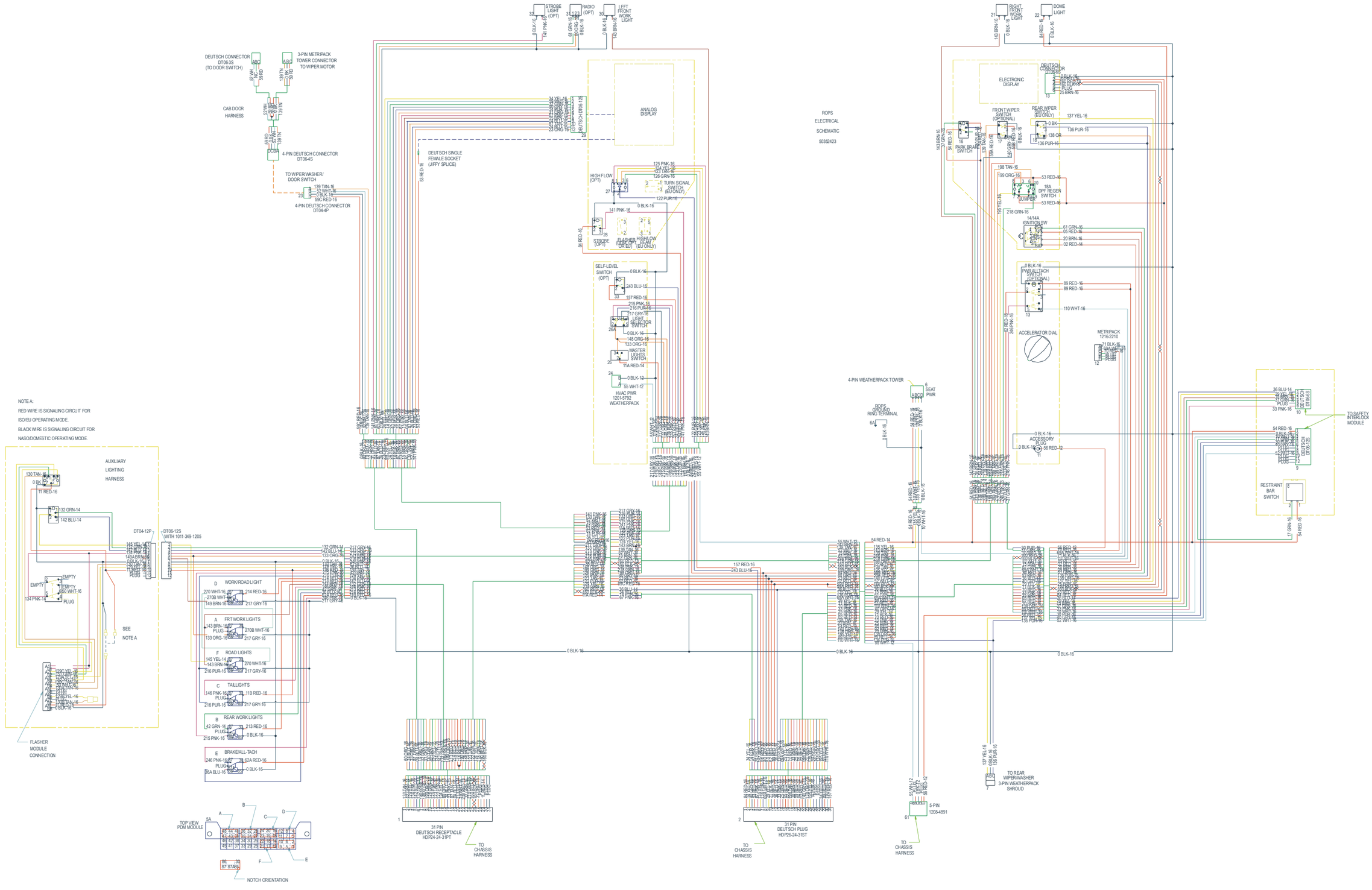


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Non-DPF Models



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Part No.	Page No.	Ref. No.
048953	176	13
048953	178	13
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054626	66	1
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067847	217	2
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067950	102	2
067950	106	3
067950	108	3
068034	44	2
068938	46	2
068938	74	4
068938	80	6
068938	82	6
068938	84	6
068938	102	3
068938	106	4
068938	108	4
068938	148	3
068938	216	3
068938	217	3
070634	8	3
070634	12	3
070634	20	4
070634	22	4
070634	50	5
070634	54	5
070634	224	1
070648	86	3
070648	88	3
070648	225	2
070856	60	4
070856	142	1
071246	50	6
071246	54	6
071401	24	3
071401	32	3
071401	50	7
071401	112	4
071401	114	4
071401	126	3
071401	132	2
071401	202	1
071401	212	2
071401	222	2
071703	8	4
071703	12	4
071703	212	3
071706	2	1
071706	4	1
071722	148	4
072343	2	2
072343	4	2
072490	24	4
072580	50	8
072580	54	7
072580	74	5
072580	76	3
072580	78	4
072580	80	7
072580	82	7
072580	84	7
072580	86	4
072580	88	4
072580	90	3
072587	70	2
072587	74	6
072587	76	4
072587	78	5
072587	80	8
072587	82	8
072587	84	8
072806	46	3
072806	62	3
072806	64	4
072806	66	36
072806	68	40
072806	102	4
072806	214	1
072806	216	4
072806	217	4
072871	98	3
073458	153	1
073694	118	10
073694	120	9
074091	106	5
074091	124	1
074395	12	5
074830	70	16
074860	42	2
074868	98	4
075196	8	5
075196	12	6
075288	98	5
075288	110	3
076078	70	3
076078	94	5
076078	96	3
076078	212	4
076078	225	3
076147	128	2
076147	132	3
076147	222	3
076587	74	7
076587	76	5
076587	78	6
076587	80	9
076587	82	9
076587	84	9

NUMERICAL INDEX

https://truckmanualshub.com/

NUMERICAL INDEX

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.
076587	112	6	081371	203	1	090666	112	9	123079	178	9
076587	114	5	081371	209	1	090666	114	8	123080	176	10
076588	50	9	081374	20	5	090666	220	48	123080	178	10
076588	60	5	081374	22	5	091039	148	5	123087	178	26
076880	50	10	081379	118	4	091667	112	10	123088	176	40
076880	54	8	081379	120	4	092164	2	5	123093	178	29
076880	62	4	081380	2	3	092164	4	4	123094	176	29
076880	64	5	081380	4	3	094762	8	7	123110	176	36
077685	112	7	081380	98	8	094762	12	8	123110	178	34
077685	114	6	081380	102	5	095457	102	7	123114	178	36
079039	98	6	081380	106	6	095601	62	9	123122	176	3
079092	70	4	081380	108	5	095601	64	11	123122	178	3
079097	80	10	081841	54	9	095619	70	5	123123	176	16
079097	82	10	082489	48	2	095955	8	8	123123	178	15
079097	84	10	084174	207	2	095955	12	9	124073	164	2
079097	86	5	084174	212	5	095955	16	2	127342	70	6
079097	88	5	084175	202	2	095955	58	2	127349	70	7
079097	90	4	087234	211	3	095955	220	2	127428	58	3
079097	92	2	087393	62	6	103052	190	5	127679	176	22
079098	8	6	087393	64	8	103052	192	5	127679	178	21
079098	18	3	087393	66	5	103060	190	11	127989	176	8
079098	46	4	087393	68	6	103060	190	10	127989	178	8
079098	80	11	087849	94	8	103060	192	8	127990	176	32
079098	82	16	087849	224	2	103060	192	10	127990	178	31
079098	84	11	087854	42	4	104052	8	9	128007	128	4
079098	86	6	088101	42	7	104052	12	10	128106	176	6
079098	88	6	088442	62	7	104052	16	3	128106	178	6
079098	90	5	088442	64	9	104052	220	3	128108	176	39
079098	92	3	088442	66	6	114665	20	7	128108	178	40
079098	94	6	088442	68	7	114665	22	7	128316	32	4
079098	216	5	088467	94	9	114824	62	10	128316	98	9
079098	217	5	088467	108	6	114824	64	12	128316	102	10
079098	218	3	088467	112	8	114824	66	8	128316	106	7
079126	86	7	088467	114	7	114824	68	9	128316	108	7
079126	88	7	088467	128	3	121002	110	4	128316	110	5
079126	90	6	088471	184	12	121030	102	8	128508	150	
079126	92	4	088472	184	11	121480	205	1	128508	150	
079126	94	7	088473	184	13	121481	205	2	128591	70	8
079152	48	1	088904	86	8	121684	62	11	128738	130	1
079209	42	3	088904	88	8	121684	64	13	129004	184	19
079216	98	7	088904	90	7	121773	66	9	129066	184	14
080313	164	6	088904	92	5	121773	68	10	129124	74	8
080556	62	5	088904	94	10	121775	66	10	129124	76	7
080556	64	7	088912	20	6	121775	68	11	129124	78	8
080556	66	4	088912	22	6	122485	20	8	129124	102	11
080556	68	5	088912	44	11	122485	22	8	131050	153	22
080556	76	6	089079	42	5	122485	206	1	131488	166	5
080556	78	7	089099	62	8	122485	212	6	131522	2	6
080556	82	11	089099	64	10	122641	62	12	131522	4	5
080556	84	12	089099	66	7	122641	64	14	131522	70	9
080556	218	4	089099	68	8	122778	102	9	131529	2	7
080808	184	5	089961	184	18	123067	176	1	131529	4	6
080809	184	6	090666	2	4	123067	178	1	131529	62	13
080810	184	8	090666	4	9	123069	176	2	131529	64	15
080811	184	7	090666	10	97	123069	178	2	131529	176	28
080813	184	10	090666	12	7	123073	176	7	131529	178	28
081371	38	1	090666	16	48	123073	178	7	131606	48	2
081371	40	1	090666	58	1	123079	176	9	131842	8	10

Part No.	Page No.	Ref. No.
131842	12	11
131842	16	4
131842	32	5
131842	50	11
131842	54	10
131842	58	4
131842	72	2
131842	86	9
131842	90	8
131842	196	1
131842	212	7
131842	220	4
131913	20	10
131913	22	10
131940	20	11
131940	22	11
131945	20	12
131945	22	12
132049	70	10
132050	2	8
132050	4	7
132088	44	3
132166	24	5
132166	153	3
132248	62	18
132248	64	21
132248	76	8
132248	82	12
132248	178	37
132293	28	1
132294	24	6
132294	153	4
132298	2	9
132298	4	8
132353	201	1
132621	168	52
132647	176	13
132647	178	13
132651	176	30
132654	176	27
132681	6	1
132681	6	1
132681	199	1
132707	50	12
132707	54	11
134327	98	10
134372	150	
134511	94	11
134512	94	12
134513	94	13
134532	98	11
134588	74	9
134588	80	12
134588	86	10
134588	88	9
134588	110	6
134588	200	1
134588	204	3
134588	214	2
134588	225	4
134756	70	11
134792	98	12
134852	20	13
134852	22	13
134852	32	6
134852	70	12
134852	98	13
134852	112	12
134852	114	11
134852	126	4
134852	128	5
134853	2	10
134853	4	10
134853	20	14
134853	22	14
134853	134	2
134853	213	2
134966	4	11
134966	62	14
134966	64	16
134966	134	3
134966	213	3
135025	60	6
135300	44	4
135331	86	11
135331	88	10
135427	50	13
135427	54	12
135726	204	4
135773	62	15
135773	64	17
135773	66	11
135773	68	12
136013	4	12
136103	62	16
136103	64	18
136226	50	14
136226	54	13
136251	20	15
136251	22	15
136304	8	11
136304	12	12
136304	16	5
136304	220	5
136305	8	12
136305	12	13
136305	16	6
136305	220	6
136765	44	5
136766	44	6
136978	176	5
136978	178	5
136980	176	21
136980	178	20
136981	176	23
136981	178	22
136982	176	25
136982	178	24
136985	176	20
136985	178	19
136986	176	33
136986	178	32
136988	176	38
136994	176	24
136994	178	23
136995	176	35
136995	178	33
137036	32	7
137049	58	5
137061	32	8
137063	50	15
137063	54	14
137147	44	10
137158	44	9
137164	44	8
137167	44	7
137168	44	7
137168	216	6
137168	217	6
137169	44	8
137169	216	7
137169	217	7
137170	44	9
137170	216	8
137170	217	8
137186	94	14
137243	150	
137379	44	6
137385	44	5
137386	44	10
137386	216	9
137386	217	9
137387	44	11
137387	216	10
137387	217	10
137462	212	8
137497	118	5
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137506	24	7
137545	153	5
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137602	120	6
137603	118	7
137603	120	7
137608	102	12
137632	153	6
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137637	153	8
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137657	153	10
137660	153	12
137661	153	13
137718	134	4
137718	213	4
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137753	120	8
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137784	78	9
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137797	220	7
137797	225	5
137821	118	9
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137836	209	2
137844	153	9
137845	153	10
137915	48	4
138031	140	1
138298	48	3
138593	2	11
138593	4	13
138623	196	3
138649	8	15
138649	12	15
138651	8	16
138651	12	16
138669	223	3
138711	154	40
138714	8	17
138714	12	17
138723	8	18
138723	12	18
138752	44	4
138759	48	3
138763	44	3
138777	8	19
138777	12	19
138778	8	20
138778	12	20
138779	8	21
138779	12	21
138825	24	8
139074	153	30
139101	216	11
139101	217	11
139107	46	6
139107	154	43
139107	216	12
139107	217	12

NUMERICAL INDEX

NUMERICAL INDEX

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.
139109	46	7	184214	153	16	186765	20	21	190282	22	22
139109	154	44	184227	154	38	186765	22	21	190282	60	8
139109	216	13	184357	46	8	186834	40	3	190400	102	17
139109	217	13	184357	154	42	186863	112	15	190400	106	15
139340	203	2	184357	218	5	186863	114	14	190400	108	14
139341	203	2	184363	72	3	186918	62	18	190646	153	2
139438	70	13	184363	194		186918	64	21	190684	102	18
139731	42	7	184384	194	1	186918	176		190684	106	16
139952	8	22	184388	194	3	186918	178		190684	108	15
139952	12	22	184389	194	2	186919	176		191330	148	6
140516	153	15	184415	72	4	186920	178		191351	8	27
140880	204	5	184491	204	6	187002	98	18	191351	12	27
140880	214	3	184491	214	4	187026	211	4	191351	16	12
140880	225	6	184499	62	17	187030	8	25	191351	220	12
140883	80	13	184499	64	20	187030	12	25	191712	172	13
140883	82	13	184499	66	13	187031	211	5	191714	172	21
140883	84	13	184499	68	14	187045	214	5	191716	174	12
175377	74	11	184505	202	7	187380	176	18	191717	174	10
175377	76	10	184507	202	7	187381	178	17	191717	174	10
175377	78	10	184507	210	1	187382	176	31	191718	174	11
175773	24	9	184526	154	38	187382	178	30	191720	174	12
176652	126	5	184567	176	4	187405	212	9	191735	54	17
176652	128	6	184567	178	4	187474	60	7	191737	24	10
183147	98	14	184569	176	26	187581	58	10	191763	86	12
183149	98	15	184570	178	25	187725	58	9	191763	90	9
183453	164	5	184601	56	1	187726	58	9	191775	94	17
183453	166	6	184605	56	2	188050	223	4	191775	148	7
183812	20	17	184605	58	8	188053	223	5	191826	2	14
183812	22	17	184670	2	12	188056	94	15	191826	4	16
183814	112	14	184670	4	14	188430	102	16	192182	24	11
183814	114	13	184688	52	75	188430	106	11	192182	207	3
183902	106	8	184711	153	16	188430	108	10	192182	212	37
183949	203	3	184843	72	5	188915	94	16	192182	220	13
183998	58	6	184892	209	1	189033	8	26	192207	154	38
184007	38	2	184941	54	15	189033	12	26	192454	202	7
184007	40	2	184986	168	42	189033	16	11	192454	210	2
184007	203	4	184986	170	6	189033	220	11	192587	224	5
184007	209	2	184987	168	45	189144	2	13	192731	224	6
184016	209	3	184987	170	7	189144	4	15	192763	210	4
184017	34	2	184991	168	32	189192	106	12	192764	210	3
184017	209	3	184991	170	18	189192	108	11	192932	58	11
184023	20	18	184992	168	49	189193	106	13	193002	8	28
184023	22	18	184992	170	18	189193	108	12	193002	12	28
184099	58	7	186014	58	9	189279	176	17	193002	16	13
184116	154	41	186016	168	111	189279	178	16	193002	220	14
184139	154	39	186016	170	17	189358	108	13	193021	72	6
184146	58	9	186022	168	71	189508	98	19	193022	72	7
184195	58	9	186026	168	48	189538	106	14	193105	50	17
184210	98	16	186151	196	4	189640	50	16	193105	54	18
184210	102	14	186193	8	23	189640	54	16	193131	50	18
184210	106	9	186193	12	23	189673	224	3	193131	54	19
184210	108	8	186193	16	9	189798	224	4	193154	58	12
184210	132	4	186193	220	9	189833	20	19	193156	32	9
184211	98	17	186703	8	24	189833	22	19	193157	32	10
184211	102	15	186703	12	24	190045	20	20	193169	62	19
184211	106	10	186703	16	10	190045	22	20	193169	64	22
184211	108	9	186703	220	10	190270	106	41	193169	66	37
184211	132	5	186743	153	18	190282	20	22	193169	68	41

Part No.	Page No.	Ref. No.
193335	102	19
193335	197	
193413	102	20
193569	50	19
193569	54	20
193622	54	21
193674	64	23
193674	68	15
193674	170	
193675	64	24
193675	68	16
193675	170	
193706	2	15
193706	4	17
193709	74	12
193709	78	21
193709	80	14
193709	82	14
193709	84	14
193828	132	6
193828	222	4
193831	132	7
193831	222	5
193833	132	8
193833	222	6
193840	128	7
193850	132	9
193850	222	7
193855	132	10
193855	222	8
193856	112	16
193856	114	15
193857	132	11
193857	222	9
193971	50	20
193971	54	22
193974	62	20
193974	64	25
193974	66	14
193974	68	17
194004	70	14
194068	50	21
194068	54	23
194126	72	8
194146	132	12
194146	222	10
194147	132	13
194147	222	11
194210	66	16
194210	68	19
194210	74	13
194210	78	11
194210	80	15
194210	84	15
194233	168	10
194233	170	1
194234	168	15
194234	170	2
194235	170	3
194236	168	43
194236	170	4
194237	168	46
194237	170	5
194238	170	8
194239	170	9
194244	168	72
194244	170	11
194247	168	100
194247	170	13
194248	168	115
194248	170	14
194249	168	107
194249	170	15
194250	168	106
194250	170	16
194251	170	18
194252	168	70
194252	170	10
194253	168	90
194253	170	12
194271	2	16
194271	4	18
194309	46	9
194309	216	14
194309	217	14
194320	60	9
194320	70	15
194326	150	
194376	102	21
194380	46	10
194380	216	15
194380	217	15
194507	132	14
194507	222	12
194528	86	13
194528	88	11
194528	90	10
194528	92	6
194686	110	7
194701	196	1
194732	62	21
194732	64	27
194732	66	17
194732	68	20
194732	74	14
194732	78	12
194732	80	16
194732	84	16
194750	48	4
194797	128	8
194864	154	38
194935	8	18
194935	12	18
194981	196	4
195009	128	9
195087	118	10
195087	120	9
195101	62	22
195101	66	18
195101	168	
195102	62	23
195102	66	19
195102	168	
195110	8	14
195110	12	29
195110	16	8
195110	120	10
195110	220	8
195112	74	15
195112	76	11
195112	78	13
195112	80	17
195112	82	15
195112	84	17
195115	102	22
195115	106	19
195115	108	18
195125	58	13
195138	2	17
195138	4	19
195143	102	23
195161	110	8
195164	102	24
195213	110	10
195221	50	22
195221	54	24
195413	54	25
195443	102	25
195443	106	22
195443	108	20
195511	102	26
195511	106	23
195511	108	21
195559	98	20
195559	106	24
195559	108	22
195585	8	29
195585	12	30
195588	8	30
195588	12	31
195605	8	31
195605	12	32
195606	8	32
195606	12	33
195660	8	33
195660	12	34
195660	16	14
195660	220	15
195691	168	40
195692	168	47
195693	168	150
195740	112	17
195740	114	16
195886	106	17
195886	108	16
195888	106	18
195888	108	17
195889	106	20
195889	108	19
195894	106	21
197960	200	6
197998	153	5
198178	164	7
198178	166	8
198190	148	8
198191	148	8
198192	148	8
198193	148	8
198194	148	8
198195	148	8
240054	24	12
240055	215	3
240056	62	26
240056	66	21
240056	188	
240057	64	30
240057	68	22
240057	188	
240083	56	3
240083	58	14
240197	186	2
240202	186	4
240272	190	10
240272	190	11
240272	192	9
240272	192	9
240273	192	4
240273	192	7
240274	190	12
240274	190	9
240274	192	7
240274	192	11
240276	192	2
240276	192	2
240286	190	2
240286	190	5
240287	190	3
240287	190	6
240288	190	8
240288	190	3
240289	190	7
240289	190	2
240306	224	8
240363	150	1
240363	150	
240363	150	
240363	150	
240364	150	
240364	150	
240364	150	
240364	150	
240364	150	

NUMERICAL INDEX

https://truckmanualshub.com/

NUMERICAL INDEX

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.
240461	8	35	241346	28	3	242111	120	12	242534	16	19
240461	12	36	241346	30	3	242113	118	13	242534	220	20
240461	196		241346	221	2	242113	120	13	242537	8	48
240503	8	36	241354	24	17	242114	26	3	242537	12	48
240503	12	37	241385	8	41	242144	132	17	242537	16	20
240632	116	2	241385	12	42	242144	222	15	242537	220	21
240632	130	3	241390	24	18	242145	8	44	242553	124	4
240634	102	29	241397	2	23	242145	12	45	242554	60	11
240645	24	13	241397	4	25	242145	196	5	242568	153	26
240687	24	14	241402	98	23	242152	153	20	242582	153	26
240745	102	30	241402	106	31	242177	202	7	242590	153	24
240901	106	26	241402	108	31	242236	153	28	242608	118	15
240901	108	25	241459	50	25	242246	153	28	242608	120	15
240903	2	20	241459	54	30	242260	153	24	242616	104	38
240903	4	22	241486	8	42	242275	32	15	242616	106	35
240903	112	20	241486	12	43	242284	153	25	242616	108	34
240903	114	19	241486	16	17	242291	118	14	242621	98	25
240934	108	26	241486	220	18	242291	120	14	242621	106	36
240961	106	27	241532	124	6	242293	207	5	242621	108	35
240961	108	27	241535	102	33	242308	130	2	242622	104	39
241008	8	37	241544	24	19	242313	211	7	242629	36	2
241008	12	38	241560	24	20	242315	24	23	242633	124	5
241010	8	38	241562	50	26	242317	24	24	242636	118	16
241010	12	39	241562	54	31	242322	24	25	242636	120	16
241117	124	2	241563	50	27	242323	24	26	242643	104	40
241142	118	11	241563	54	32	242326	200	3	242670	104	41
241142	120	11	241590	50	28	242340	215	5	242672	104	42
241169	102	31	241590	54	33	242342	202	4	242673	104	43
241169	106	28	241605	50	29	242343	202	5	242674	104	44
241169	108	28	241605	54	34	242386	124	3	242674	106	37
241170	106	29	241618	60	10	242390	50	31	242674	108	36
241170	108	29	241650	28	4	242397	153	25	242675	2	24
241178	122	1	241650	30	4	242408	153	25	242675	4	26
241187	24	15	241650	221	3	242437	8	46	242675	98	26
241199	102	32	241679	20	24	242437	12	46	242675	106	38
241199	106	30	241679	22	24	242437	16	18	242675	108	37
241199	108	30	241701	46	11	242437	220	19	242678	106	39
241208	8	39	241701	216	16	242471	196	6	242678	108	38
241208	12	40	241701	217	16	242477	196	7	242681	62	27
241208	16	15	241711	46	12	242478	196	8	242681	64	31
241208	220	16	241711	216	17	242482	28	5	242712	118	17
241209	8	40	241711	217	17	242482	30	5	242712	120	17
241209	12	41	241773	24	21	242482	221	4	242776	26	4
241209	16	16	241844	8	43	242490	102	35	242779	208	1
241209	220	17	241844	12	44	242492	110	13	242780	208	2
241227	122	1	241900	215	4	242500	98	24	242781	208	3
241233	2	21	241932	50	30	242500	104	36	242784	208	4
241233	4	23	241932	54	35	242500	106	33	242786	208	5
241234	2	22	241963	32	12	242500	108	33	242787	208	6
241234	4	24	242016	32	13	242506	66	22	242788	208	7
241251	14	72	242029	102	34	242506	68	23	242789	208	6
241259	54	29	242029	106	32	242514	36	2	242790	208	7
241312	26	1	242029	108	32	242517	148	8	242801	215	6
241312	28	2	242036	24	22	242520	104	37	242805	201	2
241312	30	2	242044	110	12	242520	106	34	242818	208	8
241312	221	1	242089	202	3	242520	106	41	242819	208	8
241346	24	16	242105	32	14	242534	8	47	242831	8	49
241346	26	2	242111	118	12	242534	12	47	242831	12	49

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.
242831	16	21	242963	206	24	243263	188	4	243955	36	1
242831	220	22	242970	206	25	243268	32	19	243956	36	3
242832	8	50	242971	10	55	243270	24	27	243958	36	4
242832	12	50	242971	14	55	243284	40	4	243959	36	5
242832	16	22	242973	206	26	243289	40	4	243960	36	7
242832	220	23	242974	206	27	243330	202	7	243961	36	16
242833	8	51	242976	207	7	243376	200	4	243962	36	17
242833	14	51	242978	206	28	243378	200	5	243963	36	18
242833	16	23	242980	206	29	243383	196	12	243964	36	19
242833	220	24	242981	206	30	243385	196	13	243965	36	20
242842	196	9	242982	206	31	243386	196	14	243966	36	21
242862	10	52	242984	206	32	243391	32	20	243973	28	6
242862	14	52	242985	206	33	243394	32	21	243973	30	6
242862	16	24	242986	206	34	243409	46	13	243973	221	5
242862	220	25	242990	206	35	243409	216	18	244056	60	12
242863	10	53	242991	206	36	243409	217	18	244162	206	45
242863	14	53	242995	206	37	243415	46	14	244212	206	46
242863	16	25	243007	16	27	243415	216	19	244213	206	47
242863	220	26	243007	196		243415	217	19	244214	206	48
242866	207	6	243007	220	28	243432	54	37	244230	4	27
242866	212	10	243009	220	29	243445	10	61	244238	206	49
242867	215	7	243013	10	56	243445	14	60	244242	206	50
242874	196	10	243013	14	56	243445	16	32	244267	206	51
242875	196	11	243013	16	29	243445	220	33	244269	206	52
242917	10	54	243013	220	30	243446	24	28	244272	186	3
242917	14	54	243014	10	57	243450	207	8	244322	6	2
242917	16	26	243014	14	57	243450	215	9	244322	199	2
242917	220	27	243014	16	30	243452	215	10	244365	50	33
242921	206	2	243014	220	31	243453	215	11	244365	54	38
242923	206	3	243017	10	58	243456	215	12	244492	26	5
242927	206	4	243017	14	58	243493	10	62	244496	10	66
242927	212	11	243017	16	31	243493	14	61	244496	14	65
242928	206	5	243017	220	32	243512	215	13	244496	16	36
242928	212	12	243021	206	38	243530	215	14	244496	220	37
242930	206	6	243022	206	39	243546	215	15	244517	66	25
242930	212	13	243029	206	40	243548	134	5	244517	68	29
242932	212	14	243030	206	41	243548	213	5	244559	2	25
242934	206	7	243033	10	59	243551	108	39	244559	4	28
242937	206	8	243045	42	6	243561	206	51	244572	94	18
242938	206	9	243061	207	14	243635	108	40	244655	186	1
242939	206	10	243062	207	14	243709	206	42	244668	207	9
242942	206	11	243075	196	3	243711	206	43	244668	212	16
242942	212	15	243076	10	60	243712	206	44	244674	207	10
242943	206	12	243076	14	59	243726	32	22	244681	28	7
242944	206	13	243078	196	4	243737	10	63	244681	30	7
242945	206	14	243086	202	6	243737	14	62	244681	221	6
242946	206	15	243117	70	16	243737	16	33	244709	24	29
242947	206	16	243118	70	16	243737	220	34	244770	10	67
242947	215	8	243126	138	1	243738	10	64	244770	14	66
242948	206	17	243126	146	1	243738	14	63	244804	196	15
242951	206	18	243179	32	16	243738	16	34	244806	196	16
242954	206	19	243199	166	2	243738	220	35	244813	10	68
242955	206	20	243200	166	18	243741	10	65	244813	14	67
242956	206	21	243226	32	17	243741	14	64	244814	10	69
242957	206	22	243233	32	18	243741	16	35	244814	14	68
242959	50	32	243248	188	1	243741	220	36	244815	10	70
242959	54	36	243249	188	2	243829	32	23	244815	14	69
242961	206	23	243250	188	3	243830	32	24	244821	220	38

NUMERICAL INDEX

https://truckmanualshub.com/

NUMERICAL INDEX

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.
244955	50	34	650419	10	86	650547	92	20	650731	42	11
244955	54	39	650419	24	39	650548	20	34	650731	94	36
244983	64	32	650419	126	20	650548	22	34	650731	176	14
244983	68	24	650419	128	21	650548	32	30	650732	52	65
244985	64	33	650426	110	16	650548	196	18	650741	148	15
244985	68	25	650426	112	51	650548	196	18	650742	176	15
245012	50	35	650433	178	38	650548	201	3	650745	58	23
245012	54	40	650437	20	32	650550	32	31	650745	110	19
245055	86	14	650437	22	32	650550	118	28	650758	24	40
245055	88	12	650437	32	25	650550	120	27	650758	204	9
245055	90	11	650448	122	2	650557	52	64	650758	214	6
245055	92	7	650448	204	8	650557	54	56	650758	225	16
245180	18	6	650453	20	33	650569	46	30	650771	132	28
245180	46	15	650453	22	33	650569	216	37	650771	222	24
245180	216	20	650453	32	26	650569	217	37	650786	58	24
245180	217	20	650453	62	38	650573	2	42	650786	60	21
245180	218	8	650453	64	44	650573	4	42	650809	32	32
245211	26	6	650453	66	32	650573	18	15	650810	14	88
245211	30	1	650453	68	36	650573	74	32	650812	207	16
245235	10	71	650483	42	10	650573	80	37	650812	212	24
245235	14	70	650485	62	39	650573	104	61	650818	223	18
245236	64	34	650485	64	45	650573	106	49	650834	20	36
245236	68	26	650485	66	33	650573	108	52	650834	22	36
245238	2	26	650485	68	37	650573	132	27	650835	212	25
245238	4	29	650486	44	15	650573	218	19	650839	74	33
245260	212	17	650486	52	63	650573	222	23	650839	80	38
271702	122	1	650486	54	55	650579	10	87	650848	204	10
271958	86	15	650486	112	41	650579	14	87	650851	10	88
271958	90	12	650486	132	25	650580	110	18	650851	14	89
271958	184		650486	222	21	650584	202	9	650851	212	26
272029	202	7	650487	211	9	650629	44	17	650854	176	37
272299	56	10	650490	32	27	650629	94	35	650854	178	35
272299	58	15	650491	100	53	650629	96	12	650863	32	33
272669	62	28	650492	100	54	650630	34	5	650863	46	32
272669	64	35	650494	2	40	650630	38	4	650863	52	76
272669	66	23	650494	4	40	650630	40	5	650863	204	2
272669	68	27	650495	223	15	650630	203	5	650863	216	39
272730	148	9	650518	74	31	650630	209	4	650863	217	39
272742	224	9	650518	80	36	650630	209	4	650863	225	17
272760	148	10	650518	132	26	650634	100	57	650878	20	37
273038	60	13	650518	222	22	650647	223	16	650878	22	37
273076	148	11	650527	2	41	650650	44	18	650934	46	33
273181	132	18	650527	4	41	650663	200	7	650934	216	40
273181	222	16	650528	32	28	650687	104	71	650934	217	40
273361	130	3	650533	100	56	650694	223	17	650959	46	34
410010	210	4	650535	32	29	650702	2	8	650959	216	41
570002	42	9	650535	44	16	650702	4	7	650959	217	41
570002	44	14	650535	178	14	650704	20	35	650969	10	89
612604	52	62	650535	216	36	650704	22	35	650969	14	90
612604	54	54	650535	217	36	650706	46	31	650973	46	35
650019	18	14	650545	14	86	650706	216	38	650973	216	42
650019	86	34	650545	114	34	650706	217	38	650973	217	42
650019	88	28	650545	142	1	650725	18	16	650980	196	19
650019	218	18	650545	212	23	650725	86	36	651041	70	27
650162	24	38	650546	110	17	650725	88	30	651042	2	43
650196	110	15	650547	86	35	650725	90	27	651042	4	43
650315	132	24	650547	88	29	650725	92	21	651042	224	12
650315	222	20	650547	90	26	650725	218	20	651067	2	44

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.
651067	4	44	651467	106	41	652040	82	30	654009	20	42
651082	24	41	651467	132	30	652040	84	30	654009	22	42
651094	32	34	651467	222	26	652040	86	38	654009	32	36
651151	6	3	651529	32	35	652040	88	31	654009	178	39
651169	100	58	651564	48	8	652040	90	29	654016	6	4
651169	106	51	651614	44	2	652040	92	22	654016	199	4
651169	108	53	651620	62	40	653000	132	31	654022	204	11
651173	112	42	651620	64	46	653000	222	27	654030	74	34
651173	114	35	651620	66	34	653002	202	11	654030	76	23
651173	126	21	651620	68	38	653005	46	36	654030	78	24
651173	128	22	651628	6	4	653005	216	43	654030	80	40
651192	196	20	651642	200	8	653005	217	43	654030	82	31
651297	58	25	651648	2	45	653005	225	18	654030	84	31
651307	10	90	651648	4	47	653007	206	53	654046	2	46
651307	14	91	651648	60	22	653010	20	39	654046	4	48
651307	16	43	651648	70	28	653010	22	39	654046	34	6
651307	24	42	651648	94	37	653010	112	46	654046	38	5
651307	118	32	651648	100	55	653010	114	39	654046	40	6
651307	120	31	651648	100	60	653015	212	31	654046	203	6
651307	132	29	651648	104	60	653018	24	46	654046	209	5
651307	196	21	651648	104	62	653018	46	37	654046	209	5
651307	220	46	651648	106	48	653018	216	44	654046	212	33
651307	222	25	651648	106	50	653018	217	44	654049	10	93
651307	224	13	651648	108	55	653018	223	19	654049	14	94
651308	10	91	651648	112	44	653034	20	40	654049	32	37
651308	14	92	651648	114	37	653034	22	40	654052	206	55
651308	16	44	651659	24	44	653034	112	47	654052	212	34
651308	20	38	651659	212	28	653034	114	40	655006	24	48
651308	22	38	651660	104	65	653036	100	61	656001	10	94
651308	24	43	651660	106	53	653038	110	21	656002	52	69
651308	26	10	651660	108	56	653039	100	62	656002	54	60
651308	28	10	651672	118	30	653053	46	38	656045	52	70
651308	30	10	651672	120	29	653053	216	45	656045	54	61
651308	104	63	651689	126	22	653053	217	45	656047	212	35
651308	106	52	651712	72	10	654002	100	63	656048	56	12
651308	108	54	651726	118	27	654002	112	48	656048	100	65
651308	118	29	651732	104	66	654002	114	41	656048	126	25
651308	120	28	651752	212	29	654002	126	23	656048	128	24
651308	208	11	651760	86	37	654002	128	23	656066	104	68
651308	212	27	651760	90	28	654002	202	12	656066	106	41
651308	220	47	651773	52	68	654004	20	41	656082	118	31
651308	221	8	651773	54	59	654004	22	41	656082	120	30
651312	4	45	651776	60	23	654004	86	39	656090	126	24
651324	4	46	651778	202	10	654004	88	32	656090	128	25
651347	110	20	651799	112	45	654004	90	30	656093	54	62
651363	26	12	651799	114	38	654004	92	23	656093	128	26
651363	28	12	651803	14	95	654004	94	38	656100	128	27
651363	30	12	651807	26	11	654004	96	13	656100	215	24
651394	52	66	651807	28	11	654004	100	64	656110	10	95
651394	54	57	651807	30	11	654004	104	67	656110	14	96
651395	10	92	651807	221	9	654004	106	54	656110	56	13
651395	14	93	651809	215	22	654004	108	57	656120	24	49
651395	52	67	651810	215	23	654004	112	49	656123	58	26
651395	54	58	651816	6	3	654004	114	42	656133	10	96
651424	112	43	651816	199	3	654004	206	54	656133	14	97
651424	114	36	651821	24	45	654004	212	32	656133	60	24
651467	100	59	651821	212	30	654006	24	47	656141	52	71
651467	104	64	652040	80	39	654008	223	20	656141	54	63

NUMERICAL INDEX

NUMERICAL INDEX

Part No.	Page No.	Ref. No.
656154	52	72
656154	54	64
656163	128	28
656173	52	73
656173	54	65
656179	212	36
805855	205	
807728	150	1
807801	150	2
808216	150	1
810146	150	2
810869	150	2
810870	150	
810871	150	
810872	150	
810946	210	
810949	150	2
810950	150	
811253	150	1
811255	150	3
811294	150	1
811295	150	1
811296	150	2
811297	150	2
811298	150	2
811307	150	1
811308	150	1
811309	150	2
811310	150	2
811486	214	
811487	208	
811488	201	
811489	202	
811496	200	
50250294	186	1
50250295	186	2
50250305	46	11
50250306	118	23
50250306	120	23
50280041	164	3
50280056	180	1
50280056	182	1
50280057	182	2
50280058	184	3
50280059	184	4
50280176	190	1
50280176	190	4
50280176	192	3
50280176	192	1
50280185	190	13
50280185	190	12
50280185	192	10
50280185	192	12
50280251	180	2
50300530	215	16
50300766	48	5
50300777	48	6
50301000	66	24
50301000	68	28
50301142	24	30
50301166	60	14
50301166	70	17
50301450	50	36
50301805	50	37
50301805	54	41
50302018	112	5
50302080	104	45
50302100	24	50
50302792	2	30
50304004	206	12
50304005	206	15
50304006	206	16
50304477	50	40
50304572	36	19
50304613	148	12
50350018	207	11
50350090	24	31
50350094	140	2
50350107	46	17
50350107	216	22
50350107	217	22
50350108	46	18
50350108	216	23
50350108	217	23
50350139	212	18
50350159	212	19
50350203	110	14
50350238	104	46
50350238	106	40
50350238	108	41
50350248	70	18
50350300	212	20
50350313	212	21
50350319	112	21
50350319	114	30
50350369	24	32
50350378	112	21
50350388	28	8
50350388	30	8
50350388	221	7
50350391	24	33
50350404	24	34
50350409	24	35
50350428	24	36
50350493	2	31
50350493	4	32
50350496	2	32
50350496	4	33
50350540	98	28
50350550	118	18
50350550	120	18
50350553	98	29
50350568	2	33
50350568	4	34
50350570	2	34
50350570	4	35
50350572	2	35
50350572	4	36
50350573	2	36
50350573	4	37
50350574	20	26
50350593	98	30
50350597	98	31
50350599	6	2
50350605	98	32
50350612	98	33
50350615	100	34
50350621	100	35
50350623	100	36
50350624	100	37
50350626	100	38
50350627	100	39
50350629	100	40
50350630	100	41
50350686	70	19
50350692	24	37
50350694	118	19
50350694	120	19
50350696	118	20
50350696	120	20
50350701	118	21
50350701	120	21
50350702	118	22
50350702	120	22
50350716	26	7
50350800	112	22
50350800	114	20
50350802	112	23
50350802	114	21
50350804	112	24
50350809	215	17
50350830	112	25
50350830	114	22
50350892	126	6
50350892	128	11
50350909	126	7
50350909	128	12
50350923	50	38
50350923	54	42
50351006	66	25
50351006	68	29
50351006	172	
50351041	10	72
50351041	14	71
50351041	16	37
50351041	220	39
50351045	16	28
50351045	220	40
50351055	20	27
50351055	22	26
50351058	20	28
50351058	22	27
50351078	80	18
50351078	84	18
50351078	192	
50351125	86	16
50351125	90	13
50351131	86	17
50351131	88	13
50351150	86	18
50351150	88	14
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50351151	88	15
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50351151	92	9
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50351154	90	16
50351167	86	21
50351167	90	17
50351168	86	22
50351168	90	18
50351169	86	23
50351169	90	19
50351182	86	24
50351182	88	16
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50351183	86	25
50351183	88	17
50351183	90	21
50351183	92	11
50351192	86	26
50351192	88	18
50351192	90	22
50351192	92	12
50351193	86	27
50351193	88	19
50351193	90	23
50351193	92	13
50351205	88	20
50351205	92	14
50351207	88	21
50351207	92	15
50351209	70	20
50351210	70	21
50351211	74	16
50351211	80	19
50351211	186	
50351213	74	17
50351213	80	20
50351214	136	1
50351214	138	2
50351214	140	3
50351217	74	18
50351217	76	12
50351217	78	14
50351217	80	21
50351217	82	17
50351217	84	19
50351219	74	19

Part No.	Page No.	Ref. No.
50351219	80	22
50351222	46	19
50351222	94	20
50351222	96	5
50351222	216	24
50351222	217	24
50351227	74	20
50351227	76	13
50351227	78	15
50351227	80	23
50351227	82	18
50351227	84	20
50351229	82	19
50351229	190	
50351230	74	21
50351230	76	14
50351230	78	16
50351230	80	24
50351230	82	20
50351230	84	21
50351232	74	22
50351232	80	25
50351244	76	15
50351244	82	21
50351245	62	29
50351245	64	36
50351245	66	26
50351245	68	30
50351247	74	23
50351247	76	16
50351247	78	17
50351247	80	26
50351247	82	22
50351247	84	22
50351250	90	24
50351250	92	16
50351253	90	25
50351254	10	73
50351260	92	17
50351268	74	24
50351268	80	27
50351274	74	25
50351274	78	18
50351274	192	
50351275	76	17
50351275	190	
50351312	118	23
50351312	120	23
50351313	118	24
50351313	120	24
50351322	153	14
50351334	153	46
50351381	18	7
50351381	218	9
50351418	70	22
50351419	70	23
50351421	86	28
50351421	88	22
50351422	42	7
50351425	86	29
50351425	88	23
50351427	86	30
50351428	86	31
50351428	88	24
50351477	56	4
50351485	44	12
50351489	56	5
50351499	197	1
50351500	20	29
50351500	22	28
50351505	197	2
50351506	197	3
50351522	96	6
50351523	50	39
50351525	62	30
50351525	64	37
50351525	66	27
50351525	68	31
50351526	62	31
50351526	64	38
50351526	66	28
50351526	68	32
50351529	118	25
50351536	94	21
50351542	94	22
50351543	94	23
50351544	96	7
50351545	96	8
50351569	46	20
50351569	216	25
50351569	217	25
50351577	18	8
50351577	218	10
50351581	46	21
50351581	216	26
50351581	217	26
50351582	46	22
50351582	216	27
50351582	217	27
50351590	18	9
50351590	218	11
50351591	18	10
50351591	218	12
50351597	46	23
50351597	216	28
50351597	217	28
50351643	18	11
50351643	218	13
50351653	104	47
50351653	106	41
50351675	100	42
50351692	100	43
50351736	60	15
50351749	10	74
50351750	10	75
50351756	62	32
50351756	64	39
50351756	66	30
50351756	68	34
50351757	100	44
50351767	100	45
50351794	118	26
50351806	94	24
50351807	48	15
50351812	46	24
50351812	216	29
50351812	217	29
50351821	48	7
50351825	46	23
50351826	46	23
50351902	100	46
50351902	104	48
50351902	106	41
50351918	106	41
50351924	56	6
50351946	106	42
50351946	108	42
50351947	106	43
50351947	108	43
50351953	106	44
50351953	108	44
50351960	52	41
50351978	56	7
50352003	52	42
50352007	52	43
50352009	52	44
50352010	52	45
50352011	52	46
50352017	52	47
50352029	26	8
50352030	10	76
50352030	14	73
50352031	10	77
50352031	14	74
50352061	10	78
50352061	14	75
50352133	52	48
50352146	126	8
50352198	94	25
50352198	164	
50352203	74	26
50352203	80	28
50352220	112	26
50352220	114	23
50352239	136	2
50352239	138	3
50352239	140	4
50352244	207	14
50352247	112	27
50352247	114	24
50352249	112	28
50352249	114	25
50352251	112	29
50352251	114	26
50352264	112	30
50352264	114	27
50352266	136	3
50352266	138	4
50352266	140	5
50352268	136	4
50352268	138	5
50352268	140	6
50352287	60	16
50352334	126	17
50352336	126	9
50352380	188	1
50352381	104	49
50352381	106	45
50352381	108	45
50352381	188	
50352394	112	31
50352394	114	28
50352401	10	79
50352401	14	76
50352401	16	38
50352401	220	41
50352402	10	80
50352402	14	77
50352402	16	39
50352402	220	42
50352403	10	81
50352403	14	78
50352403	16	40
50352403	220	43
50352404	10	82
50352404	14	79
50352414	96	9
50352424	10	83
50352424	14	80
50352424	16	41
50352424	220	44
50352427	10	84
50352427	14	81
50352428	10	85
50352428	14	82
50352438	94	26
50352439	94	27
50352443	2	37
50352443	4	38
50352449	96	10
50352452	112	32
50352454	56	4
50352455	56	4
50352456	94	28
50352458	94	29
50352464	60	17
50352466	70	24
50352467	52	49
50352472	100	47
50352474	80	29
50352474	82	23
50352474	84	23

NUMERICAL INDEX

NUMERICAL INDEX

Part No.	Page No.	Ref. No.
50352474	182	
50352478	94	30
50352483	52	50
50352484	52	51
50352484	54	43
50352485	52	52
50352485	54	44
50352486	52	53
50352487	52	54
50352489	42	8
50352492	60	18
50352494	104	50
50352494	108	46
50352496	104	51
50352497	104	52
50352499	104	53
50352500	104	54
50352505	104	55
50352507	104	56
50352510	104	57
50352518	153	19
50352526	153	11
50352527	153	27
50352528	153	11
50352529	153	27
50352530	154	37
50352532	154	37
50352533	154	37
50352534	153	21
50352548	16	42
50352548	220	45
50352555	86	32
50352555	88	25
50352555	186	
50352558	153	17
50352566	153	23
50352577	100	48
50352577	126	10
50352592	138	6
50352592	140	7
50352592	144	1
50352592	146	2
50352593	44	13
50352594	138	7
50352594	140	8
50352594	144	2
50352594	146	3
50352601	138	8
50352601	140	9
50352601	144	3
50352601	146	4
50352603	138	9
50352603	140	10
50352603	144	4
50352603	146	5
50352608	140	11
50352608	144	5
50352625	74	27
50352625	76	18
50352625	78	19
50352625	180	
50352631	153	8
50352637	153	23
50352660	86	33
50352660	88	26
50352696	126	11
50352699	46	25
50352699	216	30
50352699	217	30
50352702	46	26
50352702	216	31
50352702	217	31
50352704	46	27
50352704	216	32
50352704	217	32
50352705	46	28
50352705	216	33
50352705	217	33
50352710	215	18
50352739	94	31
50352739	96	11
50352739	199	
50352750	34	4
50352751	112	33
50352756	112	34
50352769	2	38
50352769	4	39
50352771	112	35
50352774	20	30
50352774	22	29
50352779	52	55
50352779	54	45
50352784	74	28
50352784	76	19
50352784	78	20
50352784	80	30
50352784	82	24
50352784	84	24
50352787	100	49
50352787	104	58
50352787	106	46
50352787	108	47
50352787	132	20
50352788	100	50
50352788	104	59
50352788	106	47
50352788	108	48
50352788	132	21
50352793	58	16
50352813	94	32
50352833	52	56
50352833	54	46
50352835	126	12
50352835	128	13
50352842	112	36
50352842	114	29
50352842	126	13
50352842	128	14
50352847	126	14
50352863	20	31
50352863	22	30
50352897	215	19
50352909	94	31
50352909	96	11
50352909	199	
50352910	94	31
50352910	96	11
50352910	199	
50352911	207	12
50352912	94	31
50352912	96	11
50352912	199	
50352914	94	31
50352914	96	11
50352914	199	
50352916	207	13
50352927	164	4
50352928	164	1
50352930	166	1
50352931	166	4
50352933	94	33
50352933	166	
50352937	88	27
50352938	94	34
50352945	207	14
50352950	46	29
50352950	216	34
50352950	217	34
50352962	164	18
50352964	164	8
50352965	164	18
50352965	166	18
50352966	166	3
50352975	207	15
50352975	215	20
50352978	80	31
50352978	82	25
50352978	84	25
50352985	52	57
50352985	54	47
50352987	80	32
50352987	82	26
50352987	84	26
50353001	52	58
50353013	60	20
50353014	52	59
50353014	54	48
50353022	204	7
50353024	211	8
50353060	142	2
50353068	142	3
50353072	142	4
50353074	54	67
50353078	52	60
50353078	54	49
50353083	136	5
50353109	154	31
50353110	154	32
50353113	154	33
50353114	154	34
50353115	154	35
50353116	154	36
50353121	142	5
50353122	208	9
50353125	208	10
50353133	76	20
50353133	80	33
50353133	82	27
50353133	84	27
50353137	126	15
50353150	58	17
50353153	176	34
50353165	132	22
50353165	222	18
50353187	114	30
50353190	62	33
50353190	64	40
50353195	58	18
50353203	58	19
50353222	126	16
50353222	128	15
50353264	66	31
50353264	68	35
50353303	128	16
50353322	112	37
50353322	114	31
50353322	128	17
50353330	202	8
50353341	215	21
50353357	142	2
50353358	142	3
50353361	74	29
50353361	76	21
50353361	78	22
50353361	80	34
50353361	82	28
50353361	84	28
50353387	132	23
50353387	222	19
50353440	62	34
50353440	64	41
50353442	62	35
50353442	64	42
50353489	60	19
50353495	52	61
50353495	54	50
50353507	114	32
50353520	62	36
50353520	64	43
50353520	66	29
50353520	68	33
50353523	70	25

Part No.	Page No.	Ref. No.
50353531	18	12
50353531	218	14
50353532	18	13
50353532	218	15
50353538	218	16
50353540	218	17
50353552	128	18
50353556	128	19
50353568	190	9
50353568	190	8
50353568	192	6
50353568	192	8
50353569	190	6
50353570	190	4
50353572	192	6
50353573	192	3
50353575	190	7
50353575	192	5
50353586	190	1
50353586	192	1
50353599	128	20
50353622	108	49
50353622	224	10
50353632	54	51
50353654	190	15
50353655	190	14
50353665	192	4
50353665	192	7
50353666	190	2
50353666	190	5
50353667	192	13
50353668	192	12
50353674	62	37
50353674	64	19
50353674	66	12
50353674	68	13
50353675	14	83
50353677	14	84
50353706	126	17
50353715	58	20
50353716	172	1
50353716	174	
50353717	172	2
50353717	174	
50353718	172	8
50353719	172	9
50353721	172	3
50353721	172	4
50353722	172	7
50353723	172	22
50353724	172	23
50353725	174	3
50353726	174	3
50353727	174	13
50353727	174	13
50353728	174	16
50353728	174	16
50353729	174	15
50353729	174	15
50353730	174	2
50353730	174	2
50353731	174	1
50353732	174	1
50353762	2	39
50353782	58	21
50353797	54	52
50353798	54	53
50353812	58	22
50353822	22	31
50353899	153	21
50353913	102	27
50353916	124	6
50353931	112	38
50353931	114	33
50353937	112	39
50353938	112	40
50353984	110	9
50353995	223	7
50353999	223	8
50354000	223	9
50354014	223	10
50354015	223	11
50354024	223	12
50354063	46	23
50354082	148	13
50354093	223	13
50354094	223	14
50354097	108	50
50354099	108	51
50354101	225	7
50354107	148	14
50354117	46	5
50354117	153	18
50354137	153	18
50354141	154	37
50354153	138	10
50354153	146	6
50354154	138	11
50354154	146	7
50354155	138	12
50354155	146	8
50354192	56	9
50354203	124	6
50354222	225	8
50354248	56	10
50354251	112	21
50354257	118	25
50354257	120	25
50354265	225	9
50354293	224	11
50354359	225	10
50354368	8	45
50354368	14	85
50354394	70	15
50354397	153	46
50354475	56	8
50354512	190	14
50354512	190	13
50354512	192	11
50354512	192	4
50354518	112	10
50354518	114	9
50354569	225	11
50354571	225	12
50354580	225	13
50354589	225	14
50354610	225	15
50354627	206	8
50354627	206	9
50354630	34	3
50380750	154	47
50450195	216	35
50450195	217	35
50450384	218	
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50657035	100	52
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50850116	212	
50850284	206	
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50850328	213	
50850341	211	
50850344	204	
50850357	215	
50850374	216	
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50850475	222	
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210-19470	215	2
210-19470	218	7
210-19530	32	11
210-19533	224	7
210-32183	132	16
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210-32184	196	2
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230-32588	4	21
230-32753	62	25
230-32753	64	29
250-32609	98	27
310-32288	132	19
310-32288	222	17
310-32411	46	16
310-32411	216	21
310-32411	217	21

NUMERICAL INDEX

https://truckmanualshub.com/

NUMERICAL INDEX

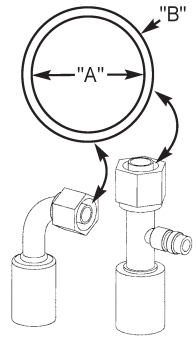
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310-32585	4	30									
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320-32692	48	4									
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350-32542	48	6									
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400-32523	48	12									
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420-36086	209	3									
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L500706	215	28									
L500708	215	29									
L500709	215	30									
L500711	215	31									
L50081	52	74									
L50081	54	66									
L50081	223	21									
L570005	112	50									
L570005	114	43									
L570005	207	17									
L70486	104	69									
L70486	106	55									
L70486	108	58									
L75990	58	27									
P471548	66	35									
P471548	68	39									

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.

NUMERICAL INDEX

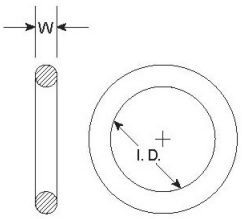
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O-Ring Table — Air Conditioning Fittings



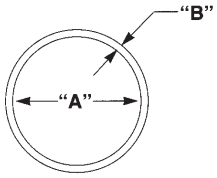
A/C Fitting	Diameter "A"	Diameter "B"	Part Number
A/C #6	0.312	0.453	138777
A/C #8	0.437	0.578	138778
A/C #10	0.562	0.703	138779

O-RING TABLE - FACE SEAL FITTINGS



FITTING THREAD SIZE	TUBE O.D.	W WIDTH	I.D.	GEHL PN
9/16-18	1/4	0.070	0.301	50300165
11/16-16	3/8	0.070	0.364	50300166
13/16-16	1/2	0.070	0.489	50300167
1-14	5/8	0.070	0.614	135124
1-3/16-12	3/4	0.070	0.739	137205
1-7/16-12	1	0.070	0.926	50300168

O-RING TABLE - MALE BOSS FITTINGS



FITTING THREAD SIZE	DIAMETER "A"	DIAMETER "B"	GEHL PART NUMBER
9/16 - 18	0.468	0.078	055897
3/4 - 16	0.644	0.087	055896
7/8 - 14	0.755	0.097	055898
1-1/16 - 12	0.924	0.116	048953
1-5/16 - 12	1.171	0.116	058674
1-5/8 - 12	1.475	0.118	077970

Recommended Coupling & Adapter Installation Torque Specifications

For SAE "0" Ring Boss (Steel)

Size		Ft-Lbs	
Dash	Fractional	Minimum	Maximum
-3	3/16	8	10
-4	1/4	14	16
-5	5/16	18	20
-6	3/8	24	26
-8	1/2	50	60
-10	5/8	72	80
-12	3/4	125	135
-14	7/8	160	180
-16	1	200	220
-20	1-1/4	210	280
-24	1-1/2	270	360

For JIC 37° and 45° (Machined or Flared)

Steel			
Size		Ft-Lbs	
Dash	Fractional	Minimum	Maximum
-4	1/4	10	11
-5	5/16	13	15
-6	3/8	17	19
-8	1/2	34	38
-10	5/8	50	56
-12	3/4	70	78
-16	1	94	104
-20	1-1/4	124	138
-24	1-1/2	156	173
-32	2	219	243

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TORQUE SPECIFICATIONS

Use these torque values when tightening hardware (excluding locknuts, and self-tapping, thread-forming, and sheet metal screws) unless otherwise specified.

UNIFIED NATIONAL THREAD	GRADE 2		GRADE 5		GRADE 8	
	DRY	LUBED	DRY	LUBED	DRY	LUBED
8-32	19*	14*	30*	22*	41*	31*
8-36	20*	15*	31*	23*	43*	32*
10-24	27*	21*	43*	32*	60*	45*
10-32	31*	23*	49*	36*	68*	51*
1/4-20	66*	50*	9	75*	12	9
1/4-28	76*	56*	10	86*	14	10
5/16-18	11	9	17	13	25	18
5/16-24	12	9	19	14	25	20
3/8-16	20	15	30	23	45	35
3/8-24	23	17	35	25	50	35
7/16-14	32	24	50	35	70	55
7/16-20	36	27	55	40	80	60
1/2-13	50	35	75	55	110	80
1/2-20	55	40	90	65	120	90
9/16-12	70	55	110	80	150	110
9/16-18	80	60	120	90	170	130
5/8-11	100	75	150	110	220	170
5/8-18	110	85	180	130	240	180
3/4-10	175	130	260	200	380	280
3/4-16	200	150	300	220	420	320
7/8-9	170	125	430	320	600	460
7/8-14	180	140	470	360	660	500
1-8	250	190	640	480	900	680
1-12	270	210	710	530	1000	740
METRIC COARSE THREAD	**GRADE 8.8**		**GRADE 10.9**		**GRADE 12.9**	
	DRY	**LUBED**	**DRY**	**LUBED**	**DRY**	**LUBED**
M6-1	8	6	11	8	13.5	10
M8-1.25	19	14	27	20	32.5	24
M10-1.5	37.5	28	53	39	64	47
M12-1.75	65	48	91.5	67.5	111.5	82
M14-2	103.5	76.5	145.5	108	176.5	131
M16-2	158.5	117.5	223.5	165.5	271	200

*All torque values are in ft-lbs except those marked with an * which are in lbs.

For metric torque value (N·m) multiply ft-lbs value by 1.355 or the in-lbs value by 0.113.

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Manitou Americas, Inc.
One Gehl Way, P.O. Box 179, West Bend, WI 53095-0179 USA
www.gehl.com

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