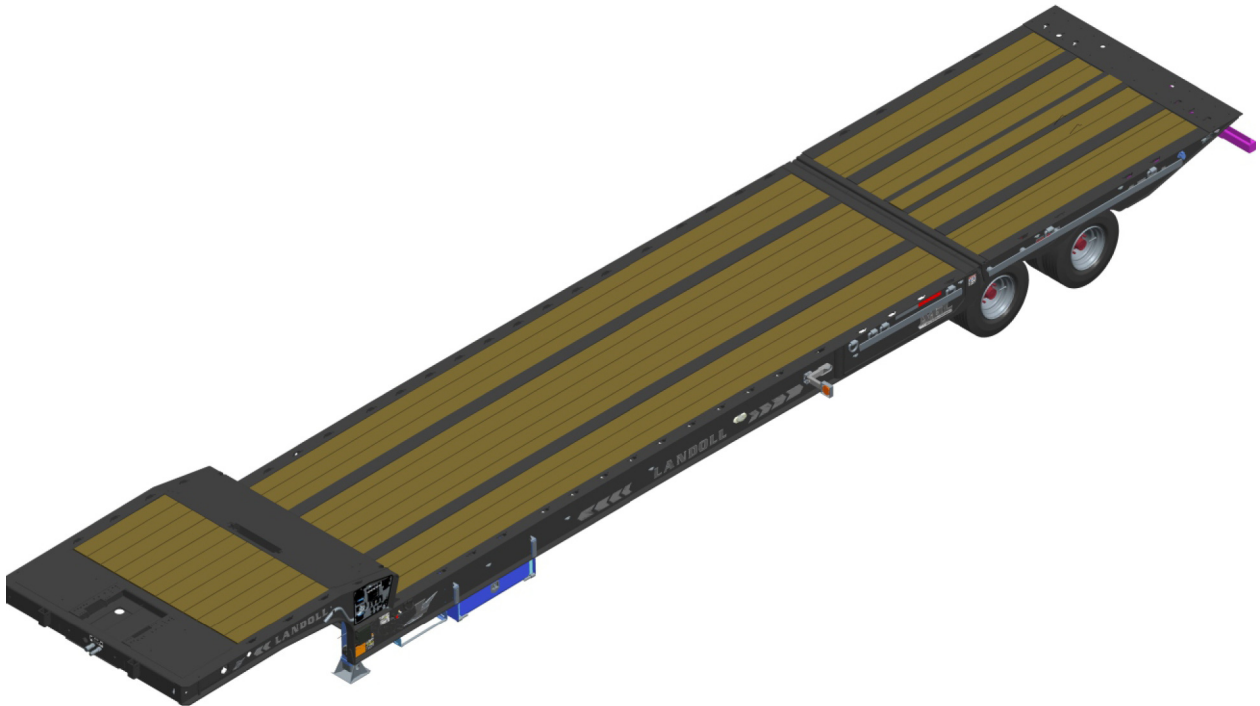




930E/950E

Hydraulic Tail Semitrailer

Parts Manual



LANDOLL COMPANY, LLC.

1900 North Street

Marysville, Kansas 66508

(785) 562-5381

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Manuals for 930E/950E Hydraulic Tail Semitrailer

Manual Number	Manual Type
F-1005	Operator's Manual
F-1004	Parts Manual

Table of Contents

General Assembly	1-2
Decals	1-4
Decal Installation & Placement	1-7
Frame Assemblies	1-8
Frame Assembly	1-11
Top Lid - Standard Installation	1-15
Tail Assemblies	1-16
Tail Assembly, WO/Center Gotcha Plate	1-17
Tail Assembly, W/Center Gotcha Plate	1-19
Hydraulic Electrical Air	1-20
General Assembly - Hydraulic, Electric, Air	1-21
Axle Hydraulic System	1-23
Air System	1-25
Dock & Ramp Remote Air System	1-27
Dock Remote Air System	1-29
Dock & Ramp Remote Air System	1-31
Electrical System	1-35
Cylinders & Connectors	1-38
Cylinder - 5 X 60	1-38
Connectors - Front Sub Assembly	1-39
Valves	1-40
Valve Assembly - Air Booster	1-40
Valve Assembly - 2 Spool Control	1-41
Valve Assembly - 2 Spool Solenoid	1-42
Undercarriage	1-44
General Items - 930E	1-47
General Items - 950E	1-53
Grease System, 2 Axle (Before 11/07/2018)	1-57
Grease System, 2 Axle (After 11/07/2018 - Before 08/31/2020)	1-59
Grease System, 2 Axle (After 08/31/2020)	1-63
Grease System, 3 Axle (Before 11/07/2018)	1-65
Grease System, 3 Axle (After 11/07/2018 - Before 08/31/2020)	1-67
Grease System, 3 Axle (After 08/31/2020)	1-71
Suspensions	1-72
930E-Air Ride Suspension	1-73
950E-Air Ride Suspension	1-75
Air Control Kit - Neway	1-76
Air Control Kit - Lower Suspension	1-77
Suspension Hanger, RLU-228	1-79
Suspension Hanger, 12.25, LSS-25K-3.5 RLU	1-81
Suspension Hanger, 16.5, LSS-25K-5.5 RLU	1-83
Axle & Brake Assemblies	1-84
Axle 12.25 Disc Brakes & Hub Assembly, Dexter (OPTION)	1-86
Axle 12.25 x 7.5 Drum Brakes, Dexter	1-89
Axle 12.25 X 7.5 Drum and Hub Assembly, Dexter	1-91

Axle 16.5 Disc Brakes & Hub Assembly, Dexter (OPTION)	1-93
Axle 16.5 x 7 Drum Brakes, Dexter	1-97
Axle 16.5 x 7 Drum and Hub Assembly, Dexter	1-99
Wheels	1-101
Air Brake System	1-102
930E-Air Brake System	1-103
950E-Air Brake System	1-105
Kit-ABS Brake-Rockwell	1-106
Tire Inflation System	1-108
Thermalert, 2 Axle Air System (OPTION)	1-110
Thermalert, 3 Axle Air System (OPTION)	1-114
Thermalert Electrical System & Components (OPTION)	1-117
Kit-Harness-Tire Inflation System (OPTION)	1-118
Winches	1-120
Winch Installation - 12K Spring Tension (BRADEN)	1-121
Winch Items - 12K (BRADEN)	1-123
Winch Installation - 20K Spring Tension (BRADEN)	1-127
Winch Installation - 20K Air Tension/Release (BRADEN)	1-131
Winch Items - 20,000Lb. (BRADEN)	1-135
Winch - Air Shift Cylinder	1-137
Winch - Motor Assembly	1-139
Winch Installation - 12K (WARN)	1-141
Winch Items - 12K (WARN)	1-142
Winch Installation-20K 2 Speed (WARN)	1-146
Winch Items - 20K 2 Speed (WARN)	1-147
Winch Installation - 30K 2 Speed (WARN)	1-149
Winch Items - 30K 2 Speed (WARN)	1-151
Landing Gear	1-152
"Bolt On" Park Stand	1-152
Jost 410	1-153
Jost #A401T19	1-155
Bulkheads - Options	1-156
Bulkhead Assembly	1-157
Chain Rack Lights General Assembly	1-159
Chain Rack Lights Electrical System	1-161
Propane Rack Mount Installation	1-163
Work Light Installation	1-164
Bumpers - Options	1-166
Strobe Installation	1-166
Deck & Slope - Options	1-168
Fork Lift Plate Installation	1-168
Deck Tread Grip/Over Wood - 15' Tail	1-169
Tail Tread Grip-222967	1-171
Tail Tread Grip-223036	1-173
Tail Tread Grip End Plate	1-176
Dual Slope Roller Installation	1-177
Electrical Installation - Options	1-178
Rear Side Electrical Outlet Installation	1-178
7-Way Electrical Installation	1-179

Receiver Transmitter - Brand 6-Function	1-180
Engines - Options	1-182
25 HP Upper Deck Package	1-186
25 HP Slope Package	1-192
Front Mount Extension Package Installation	1-194
Front Mount Installation	1-195
Mount Package W/O Winch	1-196
Slope Cover Installation (Used On Trailers W/O Ramp)	1-197
Upper Deck Stand Installation	1-198
System, Hydraulics	1-200
Hydraulic Conversion Kit - Ball to Flat	1-200
Hydraulic Wet Kit Items - 30 Gallon	1-203
Valve, 2 Stack Solenoid	1-205
Valve, 3 Stack Solenoid	1-207
Valve, 3 Stack Solenoid 2nd MTR	1-209
Lights - Options	1-210
Swingout Light Installation	1-210
Swing-Arm Light Assembly - Turn Signal/Emergency Flasher	1-211
Swingout Marker Light Installation - Red/Amber	1-213
Swing-Arm Marker Light Assembly - STREET	1-214
Swing-Arm Marker Light Assembly - CURB	1-215
Winch Work Lights	1-216
Ramps - Options	1-218
Front Slope	1-218
Ramp Assembly, Extension, Tread (BEFORE 05/13/2020)	1-221
Ramp Assembly, Extension, Tread (AFTER 05/13/2020)	1-223
Ramp Assembly, Air 6FT 930	1-225
Ramp Assembly, Air 6FT 930 Support	1-227
Ramp Assembly, Air System 6FT 930	1-229
Safety Shield Assembly, Ramp	1-230
Scales Assembly-Options	1-232
Loadmaxx (BEFORE 3/31/2020)	1-232
Quickload Plus (AFTER 3/31/2020)	1-233
Loadmaxx Plus (AFTER 3/31/2020)	1-234
Right Weigh	1-235
Spare Tire Mount - Options	1-236
Post Mount Assembly	1-236
Upper Deck Mount Assembly	1-237
Steps - Options	1-238
Step, Folding Assembly	1-239
Step, Folding Handle Assembly	1-241
Step, Retractable Assembly	1-242
Step Drawer, Retractable Assembly	1-245
Storage - Options	1-246
Chain Tray Assembly	1-247
Registration Holder Assembly	1-248
Toolbox Assembly-Steel/Aluminum Door	1-249
Toolbox Assembly-Upper Deck	1-250
Tie Down-Options	1-252

Winch Web, Sliding 4IN	1-252
Upper Deck - Options	1-254
Front Flip Extension Assembly	1-254
Upper Deck - Cover Assembly	1-255
Upper Deck - Roller Installation	1-256
Winches - Options	1-258
Guard Assembly, 12K/20K (BRADEN)	1-258
Guard Assembly, 20K/30K (WARN)	1-259
Guard Assembly, Pivot 20K	1-260
Guide Assembly, 4 Roller 20K (BRADEN)	1-263
Guide Assembly, 4 Roller 12K (BRADEN) Installation	1-264
Guide Assembly, 4 Roller 12K (BRADEN) Assembly	1-265
Guide Assembly, 4 Roller 20K/30K (WARN)	1-267
Tie Down Assembly, D-Ring	1-268
Trim Plate Installation	1-269
Misc-Options	1-270
Suspension Air Pressure Gauge Assembly	1-270

Instructions For Ordering Parts

ORDER PARTS FROM LANDOLL PARTS DISTRIBUTION CENTER

**** Repair parts must be ordered through an Authorized Dealer ****

PHONE NO: 1-800-423-4320 OR 1-785-562-5381

FAX NO: 888-527-3909

ORDER ONLINE: Dealer.landoll.com

IDENTIFICATION PLATE

The identification plate, which lists the model number and serial number, is located on the front of the frame (See Figure 1-1)

SERIAL NUMBER NOMENCLATURE

The serial number for the Model 900E Series Semitrailer is located on the identification plate.

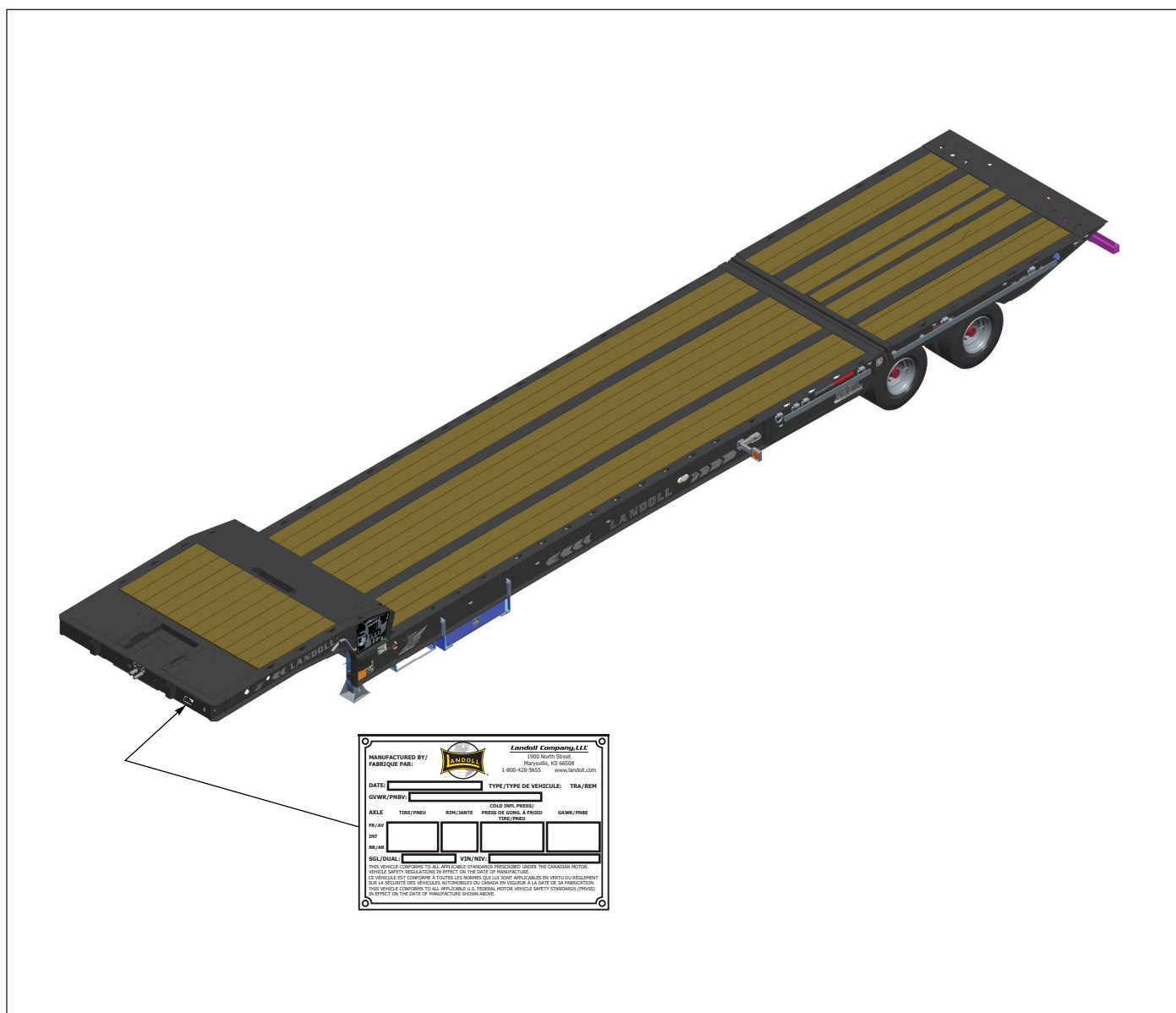


Figure 1-1: Identification Plate and Location

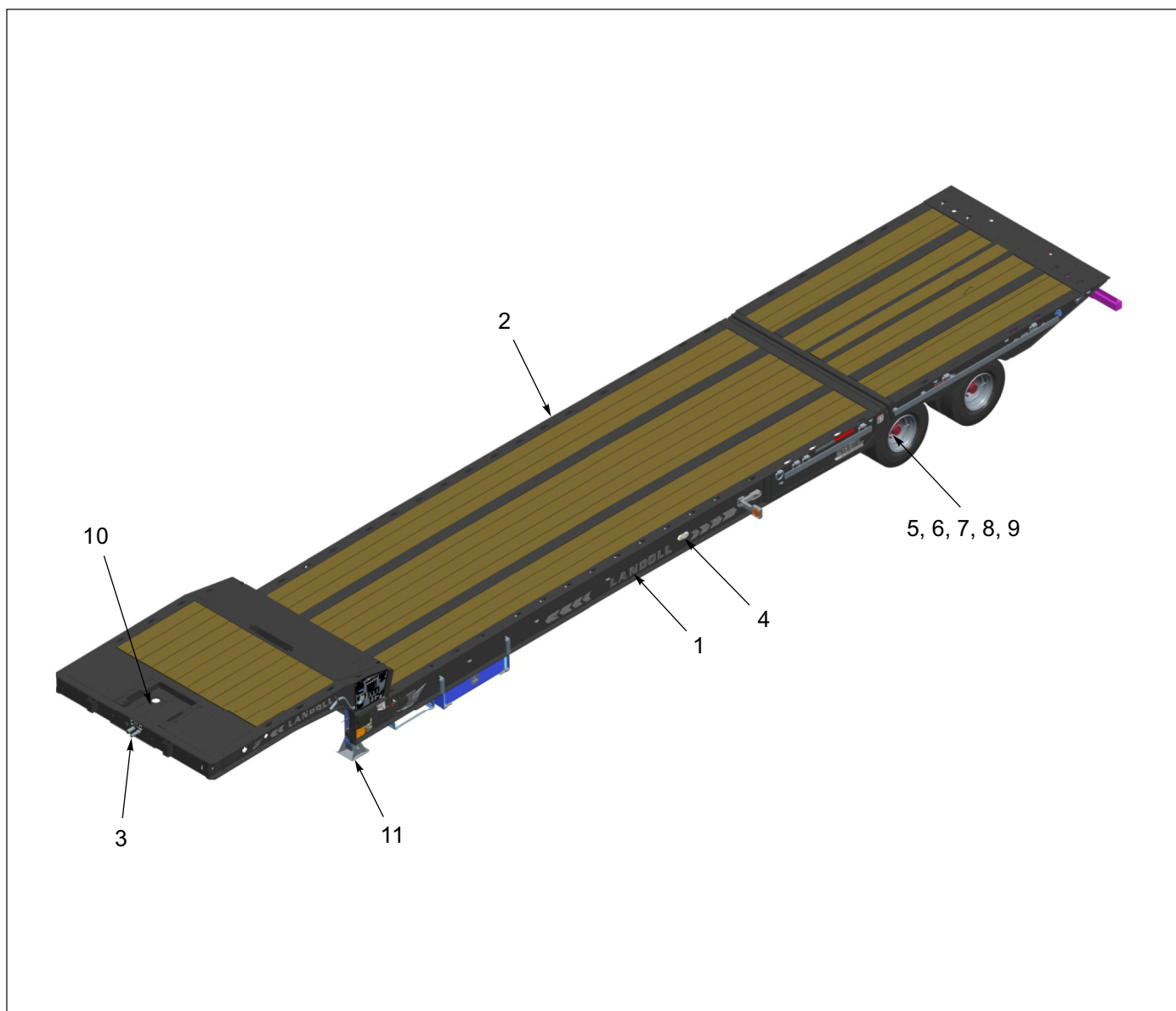


Figure 1-2: General Assembly

General Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	-----	DECAL INSTALLATION	--
2	-----	FRAME ASSEMBLY	--
3	-----	HYDRAULIC SYSTEM AND ASSEMBLIES	--
4	-----	ELECTRICAL SYSTEM	--
5	-----	UNDERCARRIAGE ASSEMBLIES	--
6	-----	AIR RIDE SUSPENSION	--
7	-----	AXLE AND BRAKE ASSEMBLIES	--
8	-----	AIR BRAKE SYSTEM	--
9	-----	TIRE INFLATION SYSTEM	--
10	-----	WINCH ASSEMBLIES	--
11	-----	LANDING GEAR ASSEMBLIES	--
12	-----	SCALES AND ADDITIONAL OPTIONS (NOT SHOWN)	--

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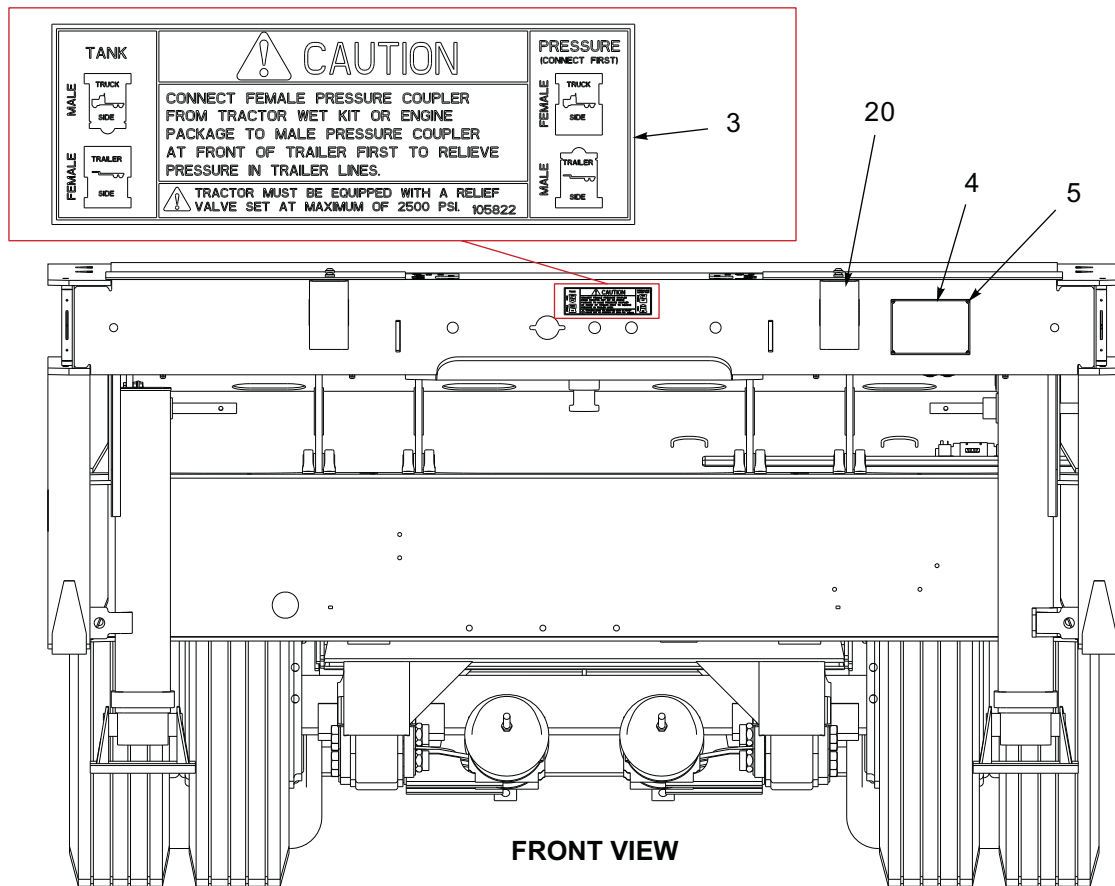
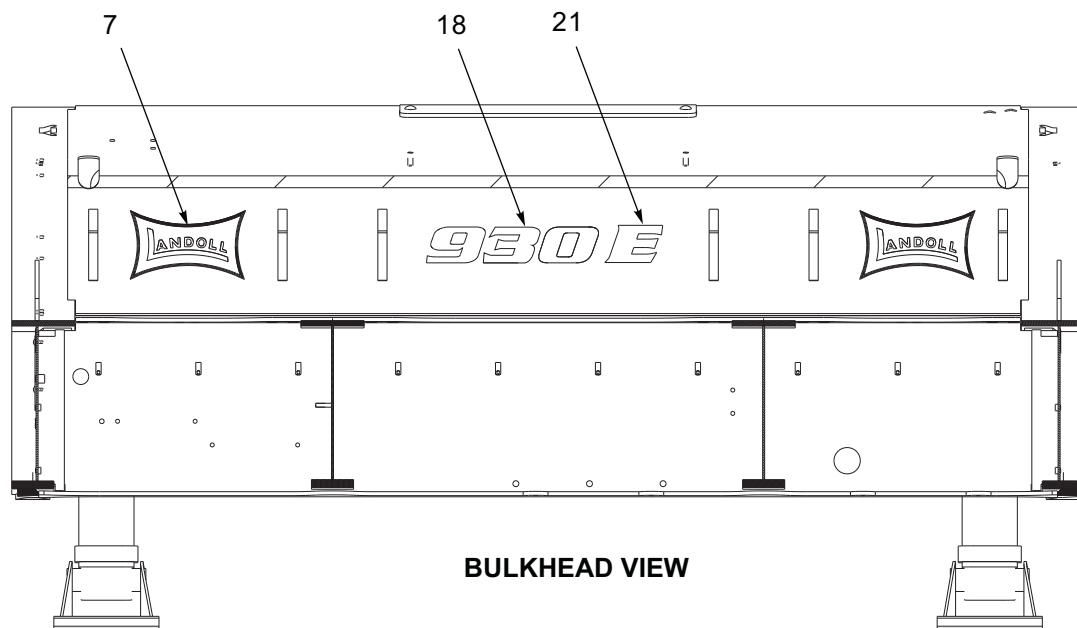
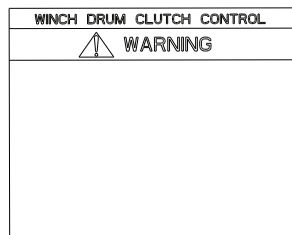


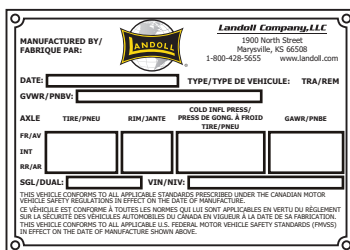
Figure 1-4: Decal Installation (2 of 3)



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8, 17



9, 14



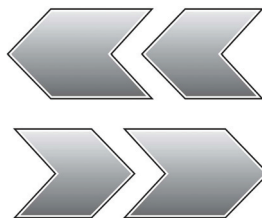
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15, 16



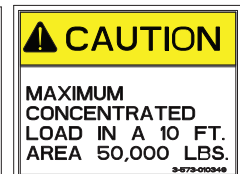
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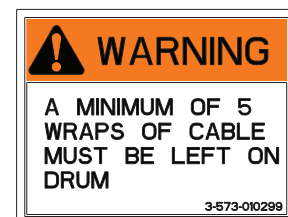
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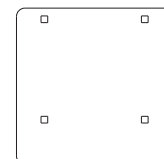
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Figure 1-5: Decal Placement (3 of 3)

Decal Installation & Placement

ITEM	PART NUMBER	DESCRIPTION	QTY.			
	215082	DECAL INSTL 930	*			
	215083	DECAL INSTL 930 NO LANDOLL	*			
	215100	DECAL INSTL 950	*			
	215101	DECAL INSTL 950 NO LANDOLL	*			
1	100600	DECAL WARNING BRADEN WINCH	REF	REF	REF	REF
2	101855	WARNING LAMP LABEL, ABS	2	2	2	2
3	105822	DECAL HYD COUPLER	1	1	1	1
4	155780	INFORMATION FOR TRAILER VIN	1	1	1	1
5	156010	RIVET, BLIND .156 X 1/2 GRIP	4	4	4	4
6	189292	DECAL, ABS WHITE	1	1	1	1
7	192208	DECAL, LANDOLL BOWTIE	2	2	2	2
8	196165	DECAL HIGHWAY L	2	2	2	2
9	196167	DECAL LANDOLL SMALL	2	2	2	2
10	196168	DECAL ARROW SMALL 2LH	2	2	2	2
11	196169	DECAL ARROW LARGE 2RH	2	2	2	2
12	196171	DECAL NEXT GENERATION	2	2	2	2
13	196173	DECAL POWDERCOAT SMALL	1	1	1	1
14	196174	DECAL LANDOLL LARGE	2	--	2	--
15	196175	DECAL ARROW LARGE 4RH	2	--	2	--
16	196176	DECAL ARROW LARGE 4LH	2	--	2	--
17	196177	DECAL HIGHWAY L LARGE	2	2	2	2
18	196178	DECAL 930 TRAILER	3	3	--	--
18	196181	DECAL 950 TRAILER	--	--	3	3
19	2-573-010335	DECAL, DANGER, PINCHING	1	1	1	1
20	202578	REFLEXITE WHITE 3 IN. LENGTH	REF	REF	REF	REF
21	215084	DECAL LETTER E 3-1/2 IN TALL	5	5	3	3
22	3-573-010085	DECAL, CONC LOAD 70K/10 CONC LOAD	--	--	2	2
23	3-573-010210	DECAL, TORQUE SPEC 8-10 STUD HU B	2	2	2	2
24	3-573-010299	DECAL, WARNING, WINCH CABLE	1	1	1	1
25	3-573-010377	DECAL, 2 IN. REFLEXITE TAPE, RD/WHT	REF	REF	REF	REF
26	214488	PLACARD CONTROL PANEL 900E	1	1	1	1
27	193912	PLATE, COVER, SWINGOUT LIGHT	REF	REF	REF	REF
28	189253	PLATE, COVER, WEIGH SCALE	1	1	1	1
29	3-573-010349	DECAL, CAUTION 50K/10 FT CONC LOAD	2	2	--	--
30	225921	DECAL DANGER RAMP	2	2	2	2
31	225922	DECAL DANGER	2	2	2	2

Frame Assemblies

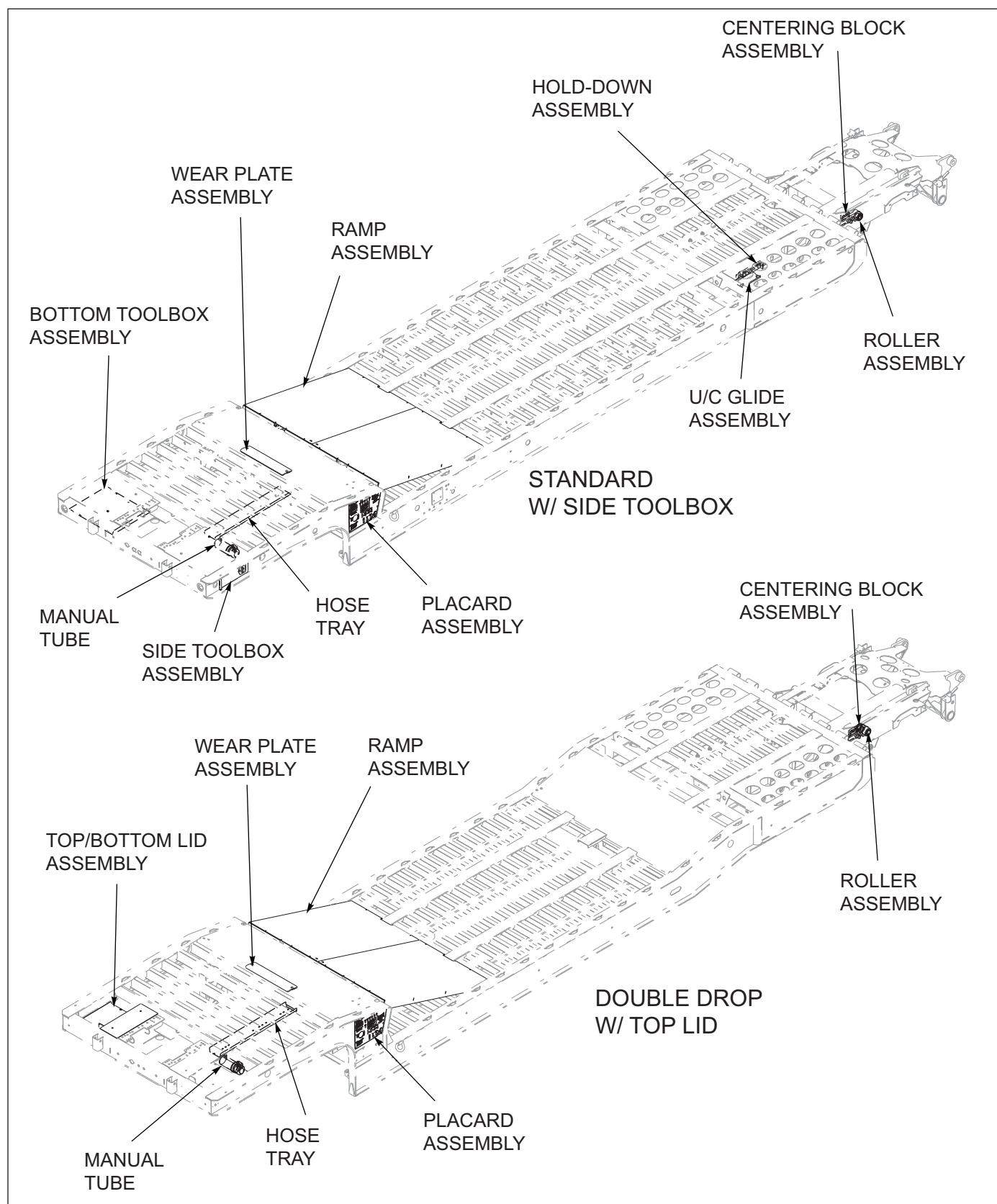


Figure 1-6: Frame Assembly (1 of 3)

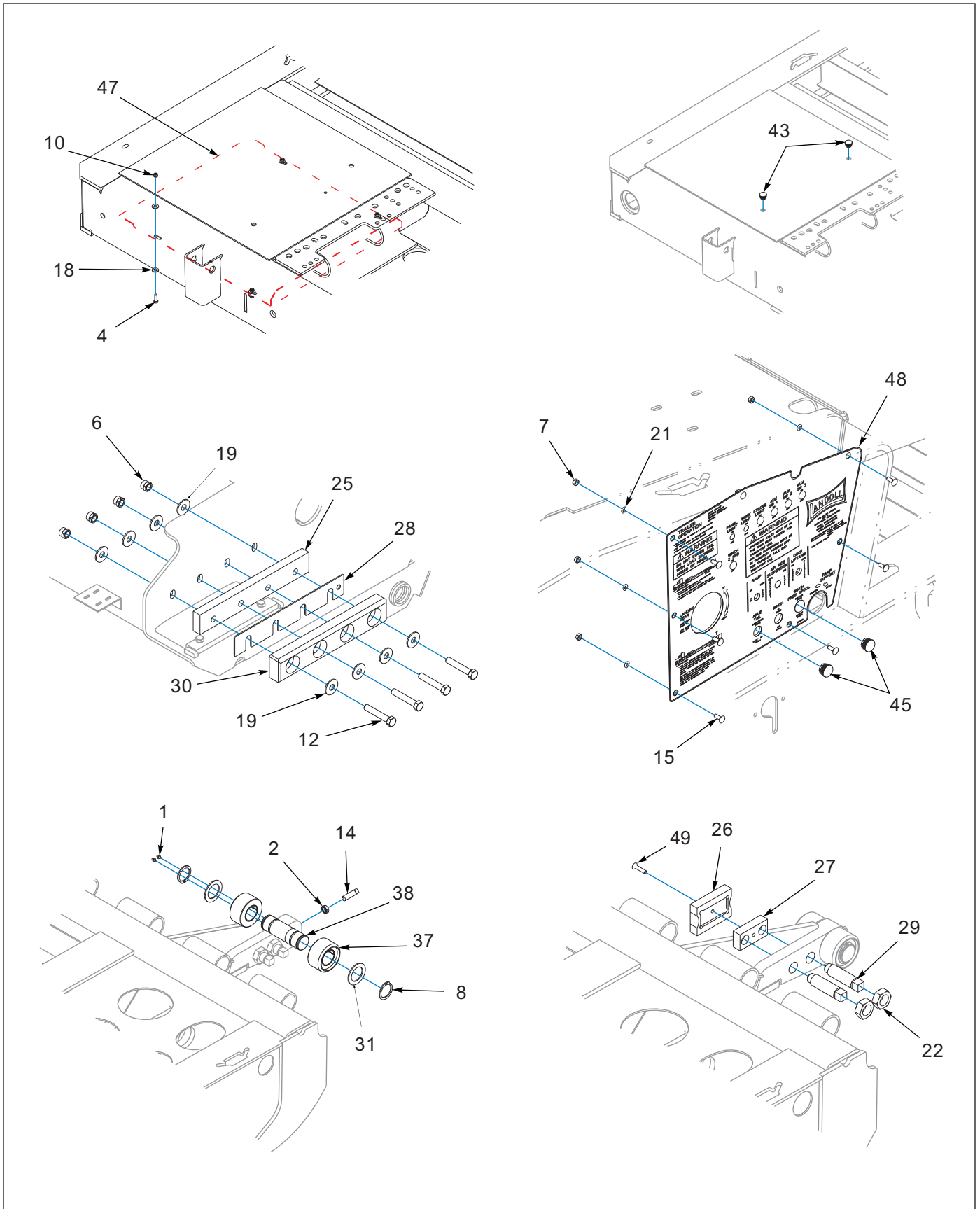


Figure 1-7: Frame Assembly (2 of 3)

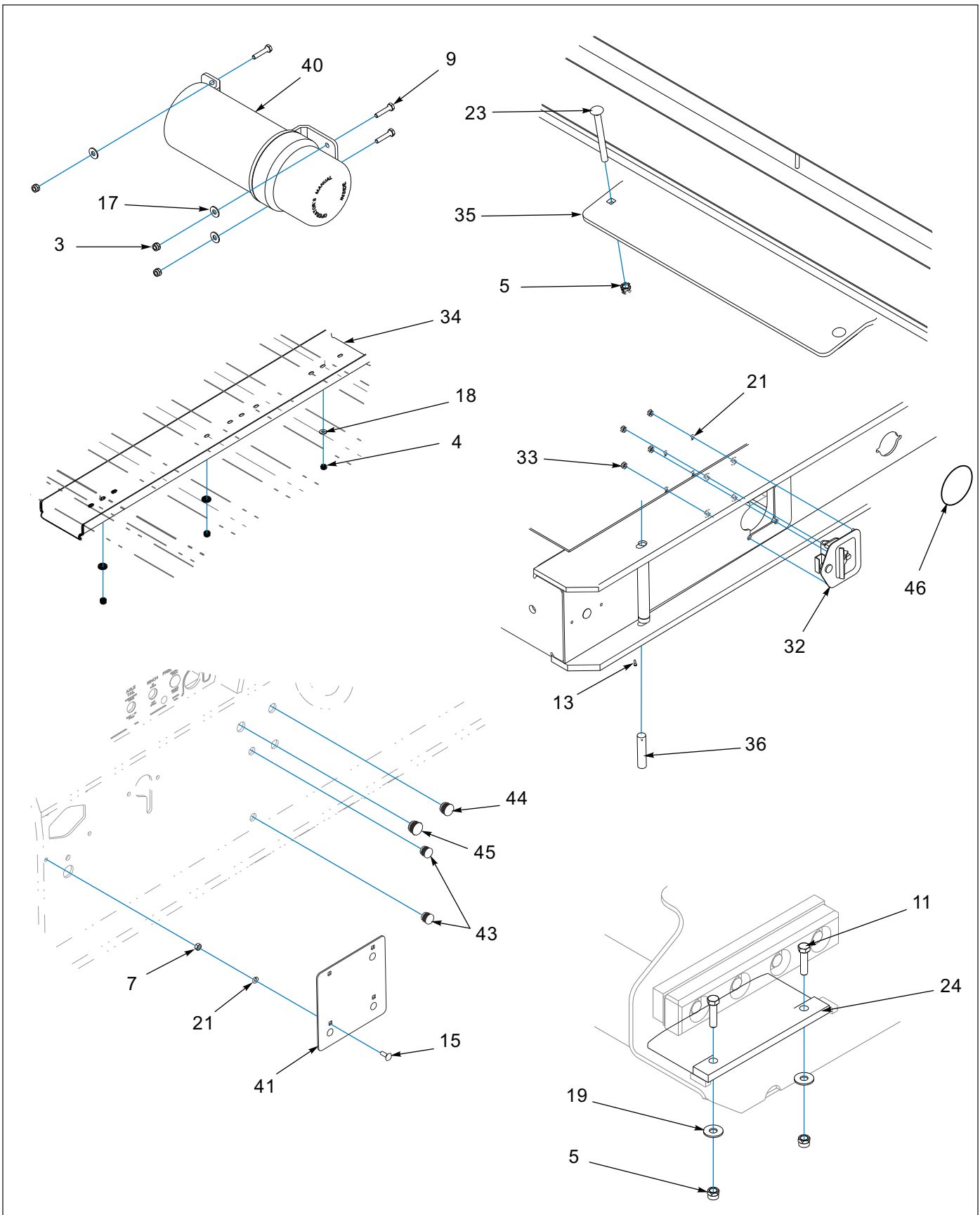


Figure 1-8: Frame Assembly (3 of 3)

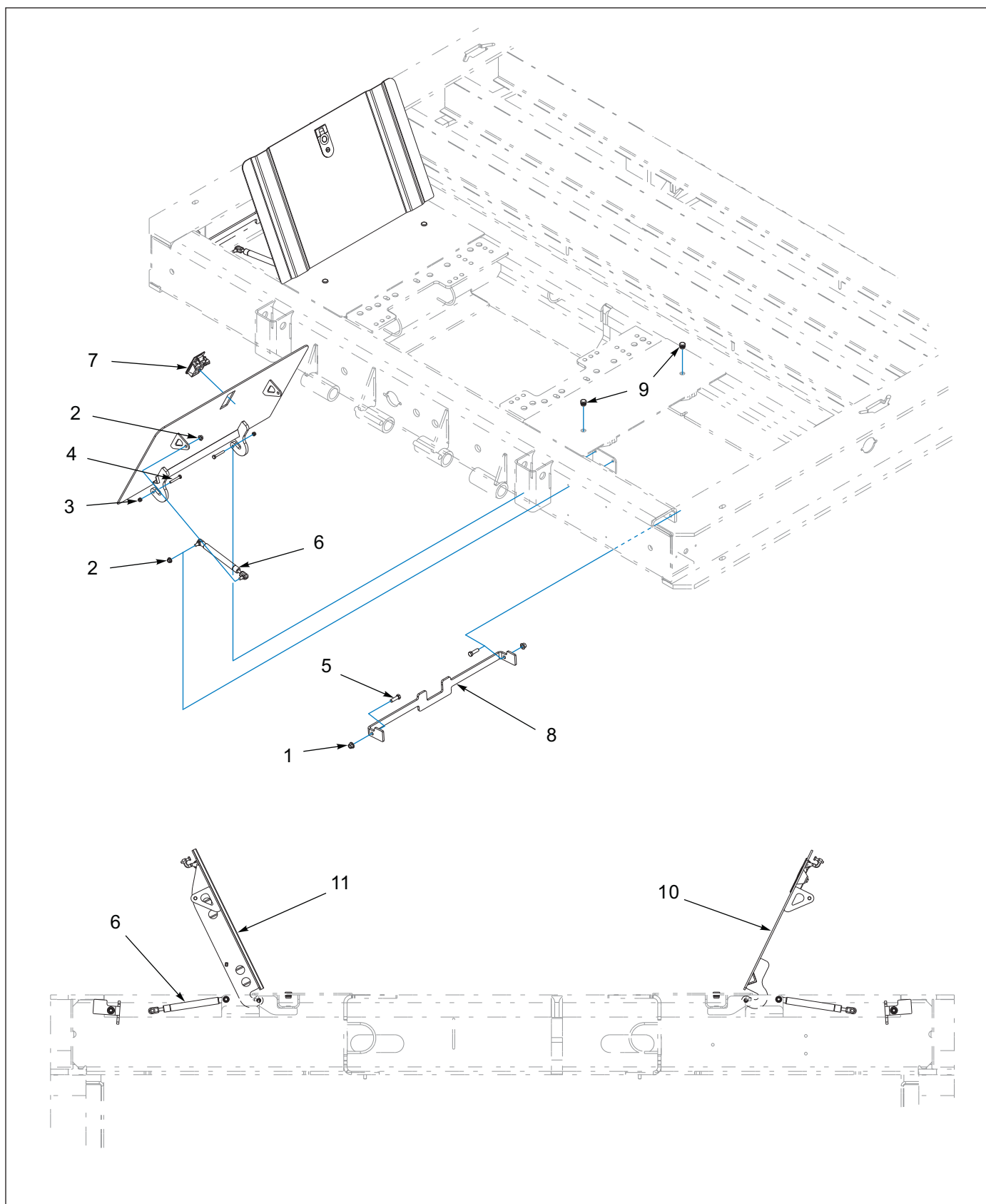
Frame Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	214489	FRAME ASSEMBLY 930E-36 SD (4812, 5014, 5115) (REF. ONLY)	*	
	215528	FRAME ASSEMBLY 930E-36 DD TL (REF. ONLY)	*	
	215262	FRAME ASSEMBLY 950E-38 TL (5315) (REF. ONLY)	*	
	215111	FRAME ASSEMBLY 950E-36 TL (4512, 5014, 5115) (REF. ONLY)	*	
	215594	FRAME ASSEMBLY 950E-33 SIDE TLBX (4512, 4815) (REF. ONLY)	*	
1	1-298-010001-1	FITTING, GREASE, 1/4-28 STR SHORT	4	4
2	1-511-010001-07	NUT, HEX, JAM 5/8-11	2	2
3	1-512-010005-01	NUT, HEX, SLFLKG, 1/4-20 UNC GRB	6	6
4	1-512-010005-03	NUT, HEX, SLFLKG, 5/16-18 UNC, GRB	11	11
5	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 UNC, GRB	2	2
6	1-512-010005-13	NUT, HEX, SLFLKG, 5/8-11 UNC, GRB	8	8
7	1-512-010007-05	NUT, HEX, 1/4-20 UNC, GR2	10	10
8	1-630-010021-02	RING, RETAINING 2 HD	4	4
9	108610	SCREW	6	6
10	1-654-010049-05	SCREW, HX CP, 5/16-18UNC X 1, GR5	8	8
11	1-654-010055-05	SCREW, HEX, 1/2-13UNCX2, GR5	REF	REF
12	1-654-010059-11	SCREW, HEX, 5/8-11UNCX3-1/2, GR5	8	8
13	1-654-010147-06	SCREW RDHD SLF/TPG#6-20X3/4	8	--
14	1-654-010150-05	SCEW, SET, 5/8-11X2 SQHD CP PNT	2	2
15	1-654-010158-1	SCREW RDHD, SQ NCK, 1/4-20X3/4	10	10
16	1-822-010001	TR IM 1350 3/8BLK FI NE PEBBLE	10	10
17	1-861-010032-07	WASHER,FLAT,ZP/CD, 1/4W	6	6
18	1-861-010032-08	WASHER,FLAT,ZP/CD,5/16N	19	19
19	1-861-010032-15	WASHER,FLAT,ZP/CD, 1/2W	2	2
20	1-861-010032-19	WASHER, FLAT, ZP/CD, 5/8W	16	16
21	1-861-010034-09	WASHER,LKG,HLCL SPR, 1/4	10	10
22	100823	NUT,HEX JAM, 1-1/4-7 GR2	4	4
23	100939	SCREW,RDH,SQ NK, 1/2-13X5 1/2	2	2
24	107621	GLIDE U/C 930	REF	REF
25	107622	BLOCK MTG NYLATRON HOLD-DOWN	2	2
26	108700	BLOCK, CENTER I NG NYLATRON	2	2
27	108701	BLOCK, CENTER I NG ADJUSTMENT	2	2
28	108749	SHIM, NYLATRON BLOCK 930	2	2
29	109004	ROD, THREADED ADJUSTMENT	4	4
30	109138	NYLATRON HOLD-DOWN BLOCK	2	2
31	114562	BUSH I NG MACH I NERY HARDENED	4	4
32	114814	LATCH FOLDING T LOCKABLE (BY REQUEST ONLY)	2	--
33	115877	NUT, HVY HEX I/ 4-20 GR5	8	8
34	117565	COVER, HOSE LOWER, 410 G/N	1	1
34	145104	COVER, HOSE UPPER, 410 (HD ONLY)	REF	REF
35	131196	PLATE, WINCH CABLE WEAR U/D 400	1	1
36	135181	BUSHING,NYLATRON TOOLBOX	4	--
37	135613	ROLLER 4 IN. ASSY CONNEX	4	4
38	135614	PIN, ROLLERS, REAR 930 FRAME	2	2
39	139465	RAMP ASSY 6FT 900 (SEE PAGE 1-225)	REF	REF

Frame Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.	
40	150076	MANUAL HOLDER 14-1/4" ID)	2	2
41	189253	PLATE,COVER,WEIGH SCALE	1	1
42	189278	PLUG,PLASTIC PANEL 1/2-9/16	5	5
43	189279	PLUG,PLASTIC PANEL 5/8	20	20
44	189280	PLUG,PLASTIC PANEL 3/4	1	1
45	189281	PLUG.PLASTIC PANEL 13/16	2	2
46	204158	HOLE PLUG 2-1/4" ID X 3-5/8" OD	4	4
47	213500	G/N TOOLBOX BOTTOM PLATE	2	2
48	214488	PLACARD CONTROL PANEL 900E	1	1
49	108294	SCREW HXSKT 3/8-16UNCX1-3/4CS	2	2

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Top Lid - Standard Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	213987	TOP LID INSTL NON WT BRG (REF. ONLY)	*	
	213988	TOP LID INSTL EURO WT BRG (REF. ONLY)		*
1	1-510-010001	NUT, 3/8 -16 UNC FLANGE LOCK	4	4
2	1-510-010004-03	NUT,FLG HD,SPIRALOCK,5/16 -18 UNC	4	4
3	1-512-010005-01	NUT,HEX,SLFLKG, I /4-20 UNC,GRB	4	4
4	1-654-010047-09	SCREW.HEX, I /4-20UNCXI -3/4 GR5	4	4
5	1-654-010051-06	SCREW,HEX,3/8 -16UNCXI -I /4 GR5	4	4
6	110435	BT CONSOLE LIFT,GAS SPRING	2	2
7	118853	LATCH, COMPRESSION	2	2
8	176069	CHAIN HOLDER, TOP OPEN TOOLBOX	2	2
9	189279	PLUG, PLASTIC PANEL 5/8	4	4
10	213496	NWB TLBX LID WLDMT	2	--
11	213502	EURO TLBX DOOR WLDMT	--	2

Tail Assemblies

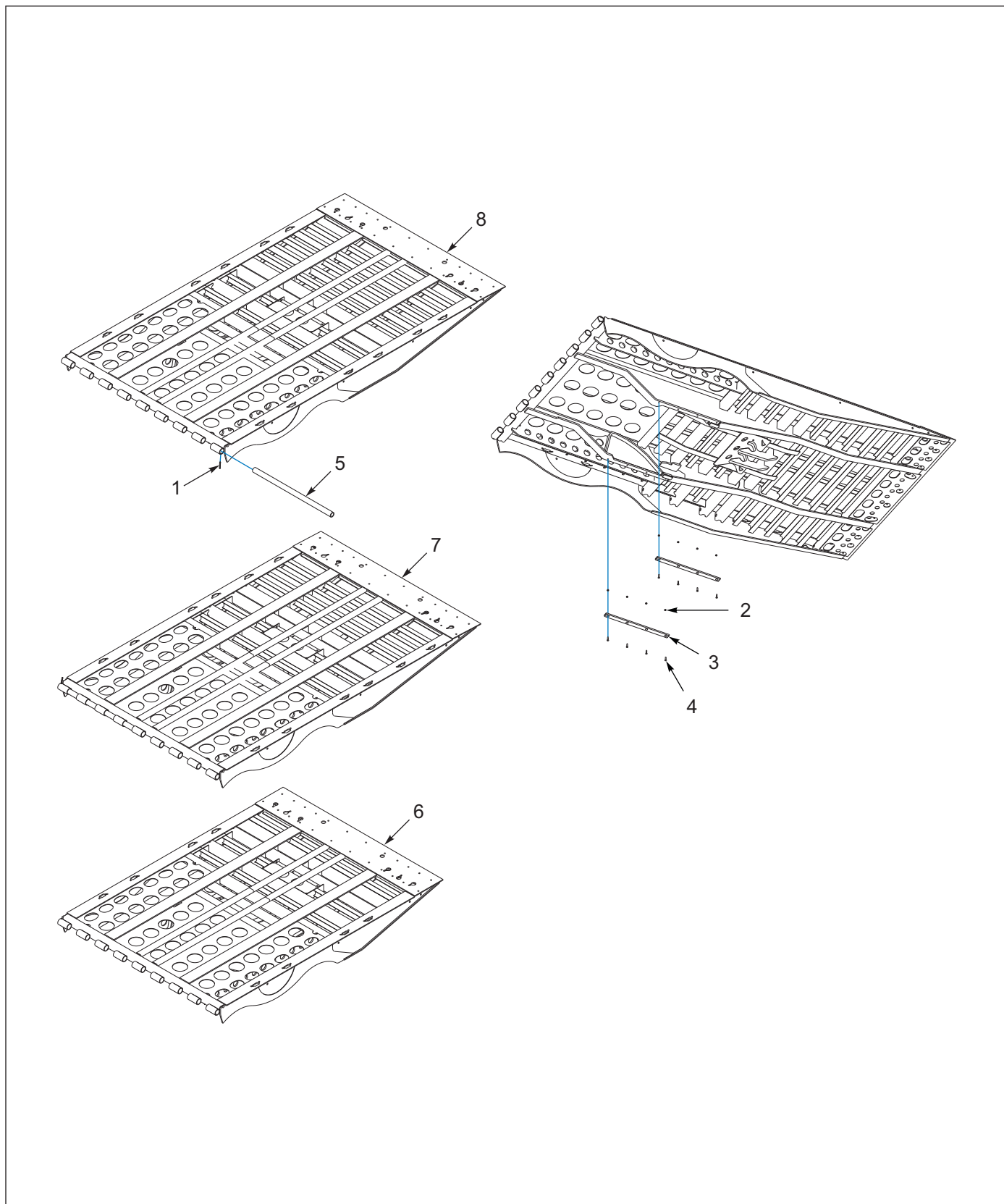


Figure 1-10: Tail Assembly, WO/Center Gotcha Plate

Tail Assembly, WO/Center Gotcha Plate

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	195848	TAIL ASSEMBLY 900-12FT 235 TIRE	*	
	195849	TAIL ASSEMBLY 900-12FT 255 TIRE		*
	195850	TAIL ASSEMBLY 900-14FT 235 TIRE	*	
	195851	TAIL ASSEMBLY 900-14FT 255 TIRE		*
	195852	TAIL ASSEMBLY 900-15FT 235 TIRE	*	
	195853	TAIL ASSEMBLY 900-15FT 255 TIRE		*
1	1-647-010004259	ROLL PIN, SLTD,3/8X3	2	2
2	107470	NUT, SPIRALOCK 3/8-16HX	8	8
3	107660	GLIDE U/C 930	2	2
4	108294	SCREW, SKT HD 3/8-16X1-3/4	8	8
5	113214	TUBE, RD, 2-3/8 X 1-3/4 X 49-3/8	2	2
6	195807	TAIL WLDMT 12 FT. 235	1	--
6	195809	TAIL WLDMT 12 FT. 255	--	1
7	195812	TAIL WLDMT 14 FT. 235	1	--
7	195814	TAIL WLDMT 14 FT. 255	--	1
8	195817	TAIL WLDMT 15 FT. 235	1	--
8	195819	TAIL WLDMT 15 FT. 255	--	1

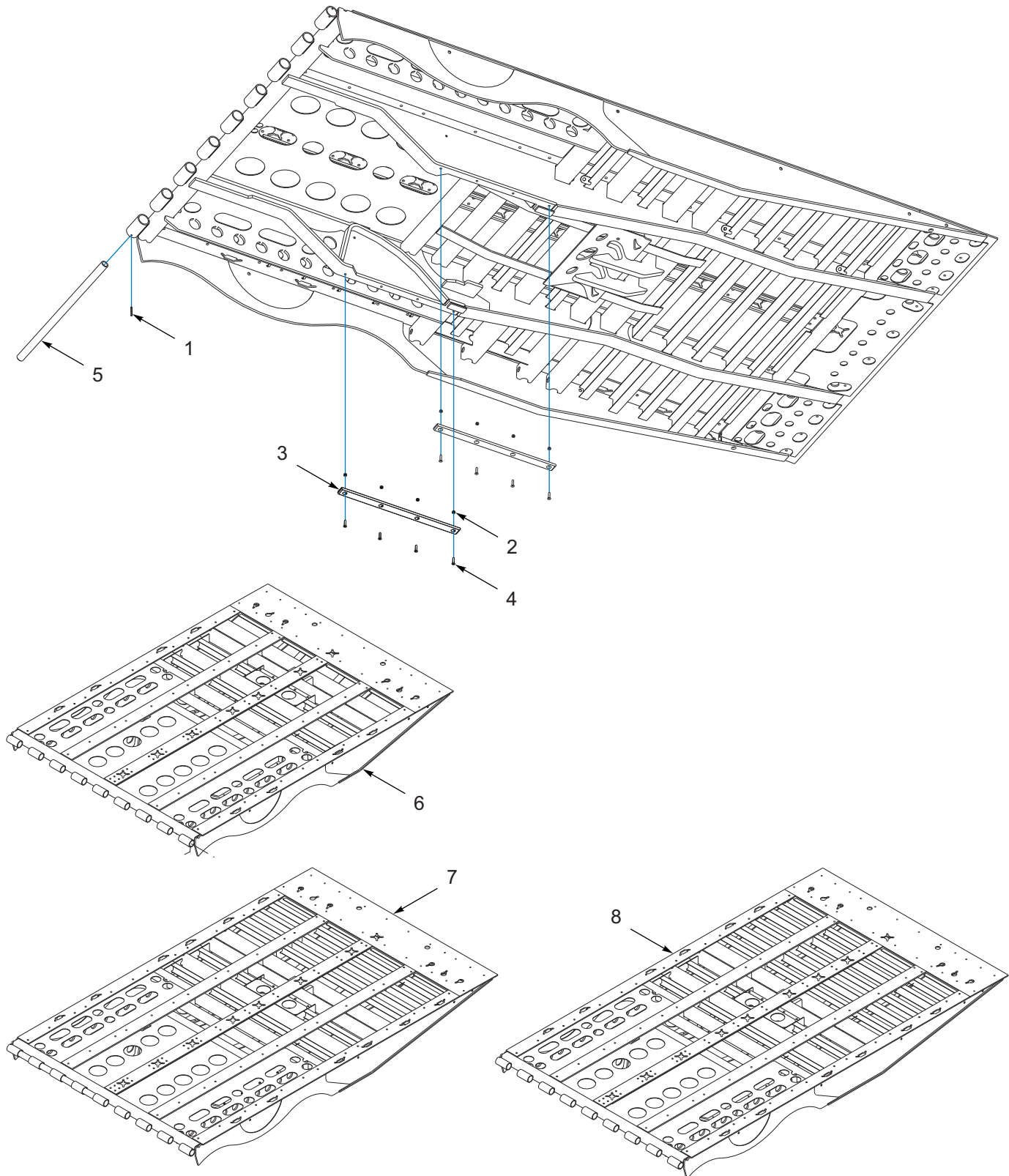


Figure 1-11: Tail Assembly, W/Center Gotcha Plate

Tail Assembly, W/Center Gotcha Plate

ITEM	PART NUMBER	DESCRIPTION	QTY.
	222951	TAIL ASSY 900-12FT 235 TIRE	--
	222952	TAIL ASSY 900-12FT 255 TIRE	--
	222953	TAIL ASSY 900-14FT 235 TIRE	--
	222954	TAIL ASSY 900-14FT 255 TIRE	--
	222955	TAIL ASSY 900-15FT 235 TRLCLR	--
	222956	TAIL ASSY 900-15FT 255 TIRE	--
	222957	TAIL ASSY 900-12FT 235 GALV	--
	222958	TAIL ASSY 900-12FT 255 GALV	--
	222959	TAIL ASSY 900-14FT 235 GALV	--
	222960	TAIL ASSY 900-14FT 255 GALV	--
	222961	TAIL ASSY 900-15FT 235 GALV	--
	222962	TAIL ASSY 900-15FT 255 GALV	--
1	1-647-010004259	SPRING PIN, SLOTTED 3/8X3	2
2	107470	NUT, SPIRALOCK 3/8-16HX	8
3	107660	GLIDE U/C 930	2
4	108294	SCREW HXSKT 3/8-16UNCX1-3/4CS	8
5	113214	TUBE RD 2-3/8X1-3/4X49-3/8	2
6	219310	TAIL WLDMT 900-12FT 235	1
6	219311	GALV OF 219310 (12' TAIL)	1
6	219312	TAIL WLDMT 900-12FT 255	1
6	219313	GALV OF 219312 (12' TAIL)	1
7	221022	TAIL WLDMT 900-14FT 235	1
7	221023	GALV OF 221022 (14' TAIL)	1
7	221024	TAIL WLDMT 900-14FT 255	1
7	221025	GALV OF 221024 (14' TAIL)	1
8	220408	TAIL WLDMT 900-15FT 235	1
8	220442	GALV OF 220408 15'TAIL 235	1
8	220409	TAIL WLDMT 900-15FT 255	1
8	220443	GALV OF 220409 15'TAIL 255	1

Hydraulic Electrical Air

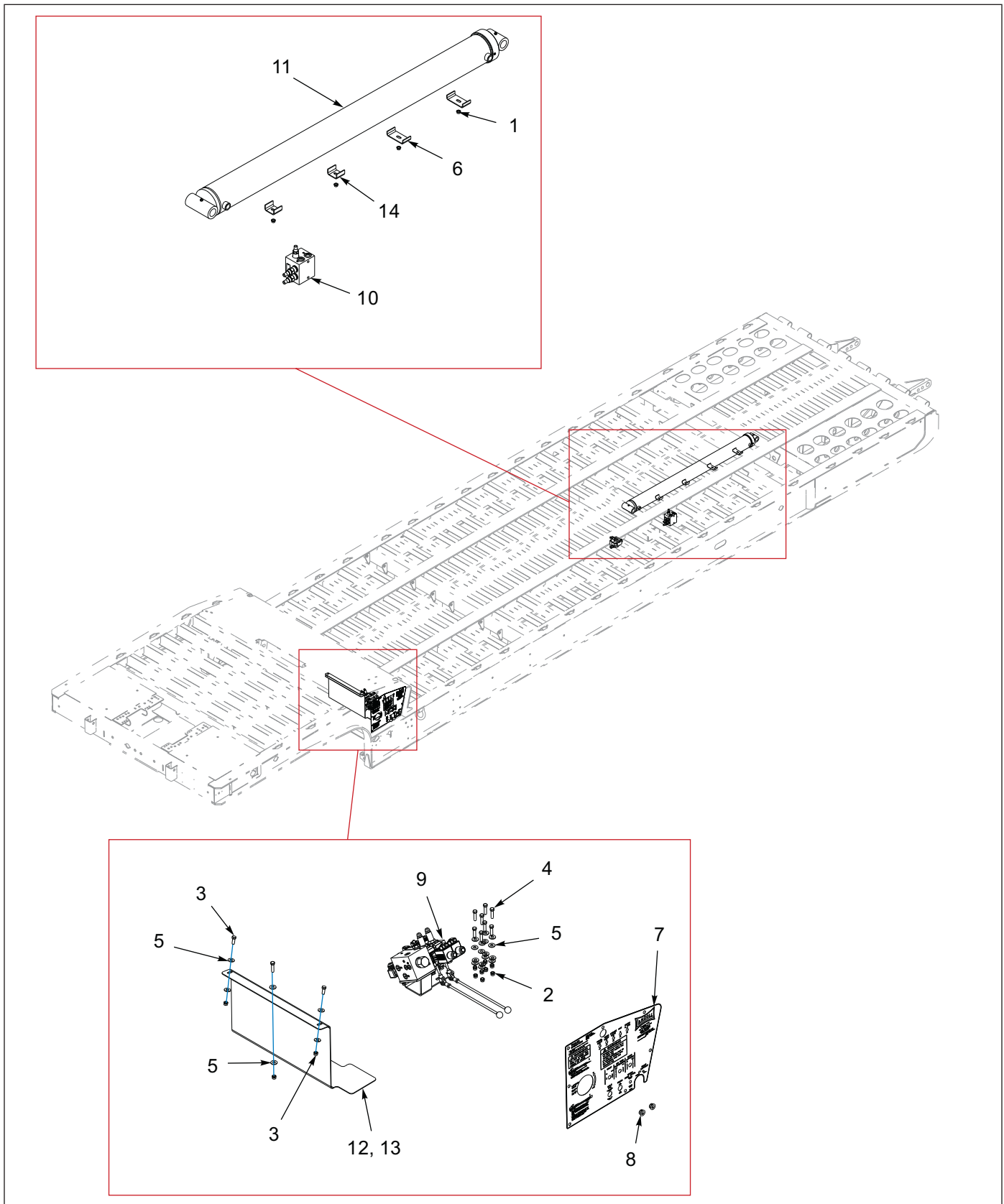


Figure 1-12: General Assembly - Hydraulic, Electric, Air

General Assembly - Hydraulic, Electric, Air

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	215063	HYD ELEC AIR 900E-33 RMT (REF. ONLY)	*	
	215069	HYD ELEC AIR 900E-HD RMT (REF. ONLY)		*
	215227	HYD ELEC AIR 900E-35 HD RMT (REF. ONLY)		*
	215071	HYD ELEC AIR 900E-33 RMT SLP ENG (REF. ONLY)	*	
	215077	HYD ELEC AIR 900E-HD RMT SLP ENG (REF. ONLY)		*
1	1-510-010001	NUT, 3/8-16 UNC FLANGE LOCK	4	4
2	1-512-010005-05	NUT, HEX, SLFLKG, 3/8-16 UNC GRB	7	7
3	1-654-010051-05	SCREW, HEX, 3/8-16X1 GR5	2	2
4	1-654-010051-07	SCREW, HEX, 3/8-16X1-1/2 GR5	5	5
5	1-861-010032-11	WASHER, FLAT, ZP/CD, 3/8W	14	14
6	103817	CLAMP, HOSE 660 U/C	2	2
7	214488	PLACARD, CONTROL PANEL 900E	1	1
8	178444	BUSHING NYLON INSERT 9/16 ID	2	2
9	194395	VALVE ASSEMBY, 2-SPOOL CONTROL	1	1
10	194400	VALVE COUNTER-BALANCE RELIEF	1	1
11	194401	CYLINDER 5 X 60	1	1
12	195725	SHIELD, VALVE 900	1	--
13	195726	SHIELF, VALVE 900 HD	--	1
14	2-181-010001	CLAMP	2	2
15	216601	SEAL KIT, SERVICE	REF	REF

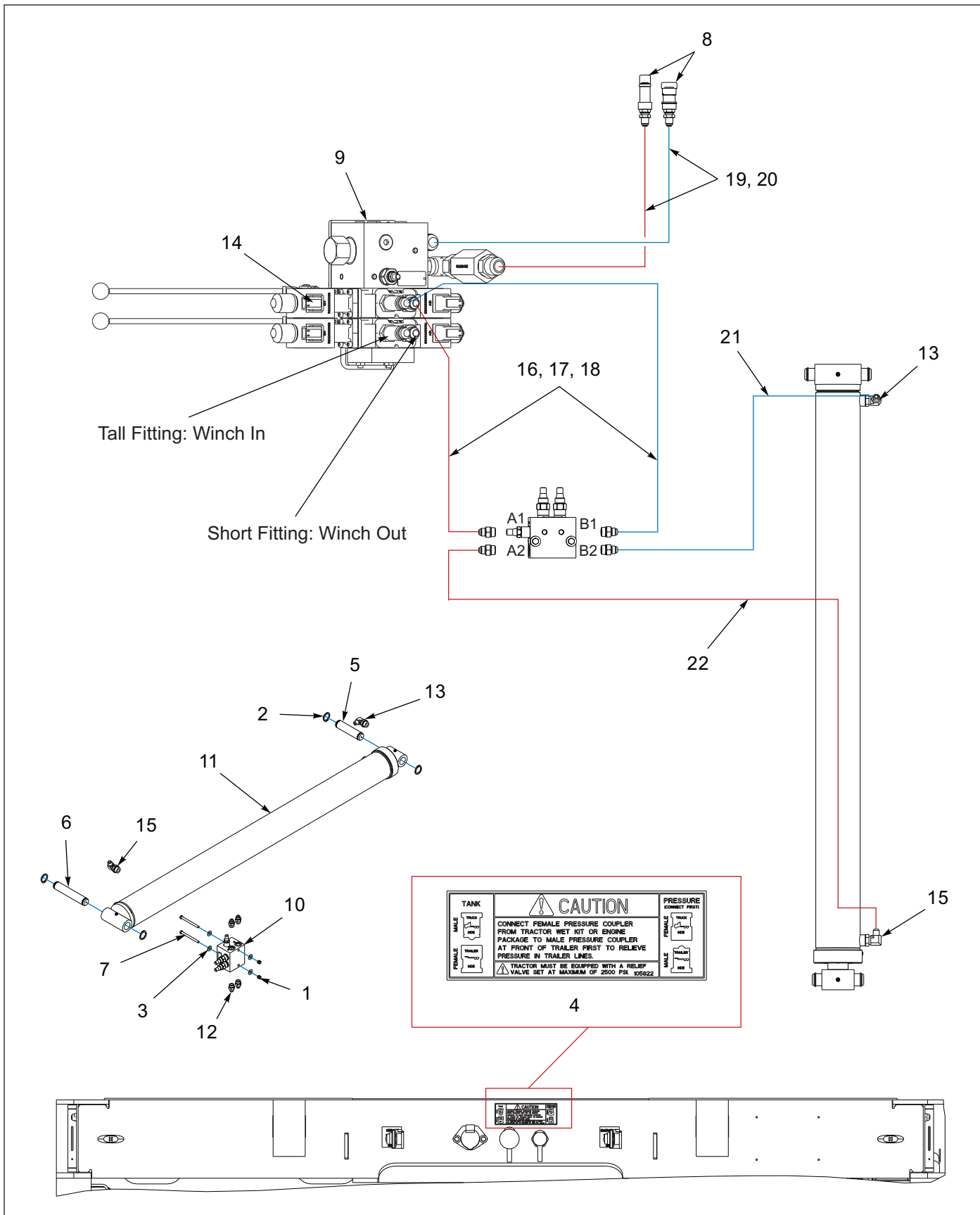


Figure 1-13: Axle Hydraulic System

Axle Hydraulic System

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	215063	HYD ELEC AIR 900E-33 RMT (REF. ONLY)	*	
	215065	HYD ELEC AIR 900E-36 RMT (REF. ONLY)	*	
	215067	HYD ELEC AIR 900E-38 RMT (REF. ONLY)	*	
	215069	HYD ELEC AIR 900E-HD RMT (REF. ONLY)	*	
	215227	HYD ELEC AIR 900E-35 HD RMT (REF. ONLY)	*	
	215071	HYD ELEC AIR 900E-33 RMT SLP ENG (REF. ONLY)		*
	215073	HYD ELEC AIR 900E-36 RMT SLP ENG (REF. ONLY)		*
	215075	HYD ELEC AIR 900E-38 RMT SLP ENG (REF. ONLY)		*
	215077	HYD ELEC AIR 900E-HD RMT SLP ENG (REF. ONLY)		*
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2	2
2	1-630-010021-01	RING, 1.5 RETAINING HD	4	4
3	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4	4
4	105822	DECAL, HYD COUPLER (SEE PAGE 1-4)	1	1
5	107657	PIN 1-1/2X6-3/8	1	1
6	107658	PIN 1-1/2X8-1/4	1	1
7	129698	SCREW,HXCP,3/8-16UNCX4-1/2GR5	2	2
8	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 1-39)	1	1
9	194395	VALVE ASSY 2-SPOOL CONTROL (SEE PAGE 1-41)	1	1
10	194400	VALVE COUNTER-BALANCE/RELIEF	1	1
11	194401	CYLINDER 5 X 60 (SEE PAGE 1-38)	1	1
12	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	1	1
13	2062-12-8S	ADAPTER,90,#12 O-RING-#8 TUBE	1	1
14	194407	PLUG ASSY DUMMY 2 PIN (PLUGS UNUSED ELEC ENDS)	REF	REF
15	202702-12-8S	ADAPTER, #12 O-RING #8 TUBE	4	4
16	1-397-010302206	HOSE ASSEMBLY 1/2X206 SAE37, STR90 (USED ON 215063 / 215064 / 215071 / 215072 / 215080 / 215227)	2	2
17	101014	HOSE ASSEMBLY 1/2X248 SAE37, STR90 (USED ON 215065 / 215066 / 215069 / 215070 / 215073 / 215074 / 215077 / 215078)	2	2
18	100062	HOSE ASSEMBLY 1/2X286 SAE37, STR90 (USED ON 215067 / 215068 / 215075 / 215076)	2	2
19	136224	HOSE ASSEMBLY 1/2X136 SAE37, STR90 (USED ON 215063 / 215064 / 215065 / 21566 / 215067 / 215068)	2	2
20	1-397-010305164	HOSE ASSEMBLY 3/4X164 SAE37, STR90 (USED ON 215069 / 215070 / 215077 / 215080 / 215227)	2	2
21	107756	HOSE ASSEMBLY 1/2X24 STR90	1	1
22	1-397-010302084	HOSE ASSSEMBLY 1/2X84 SAE37, STR90	1	1

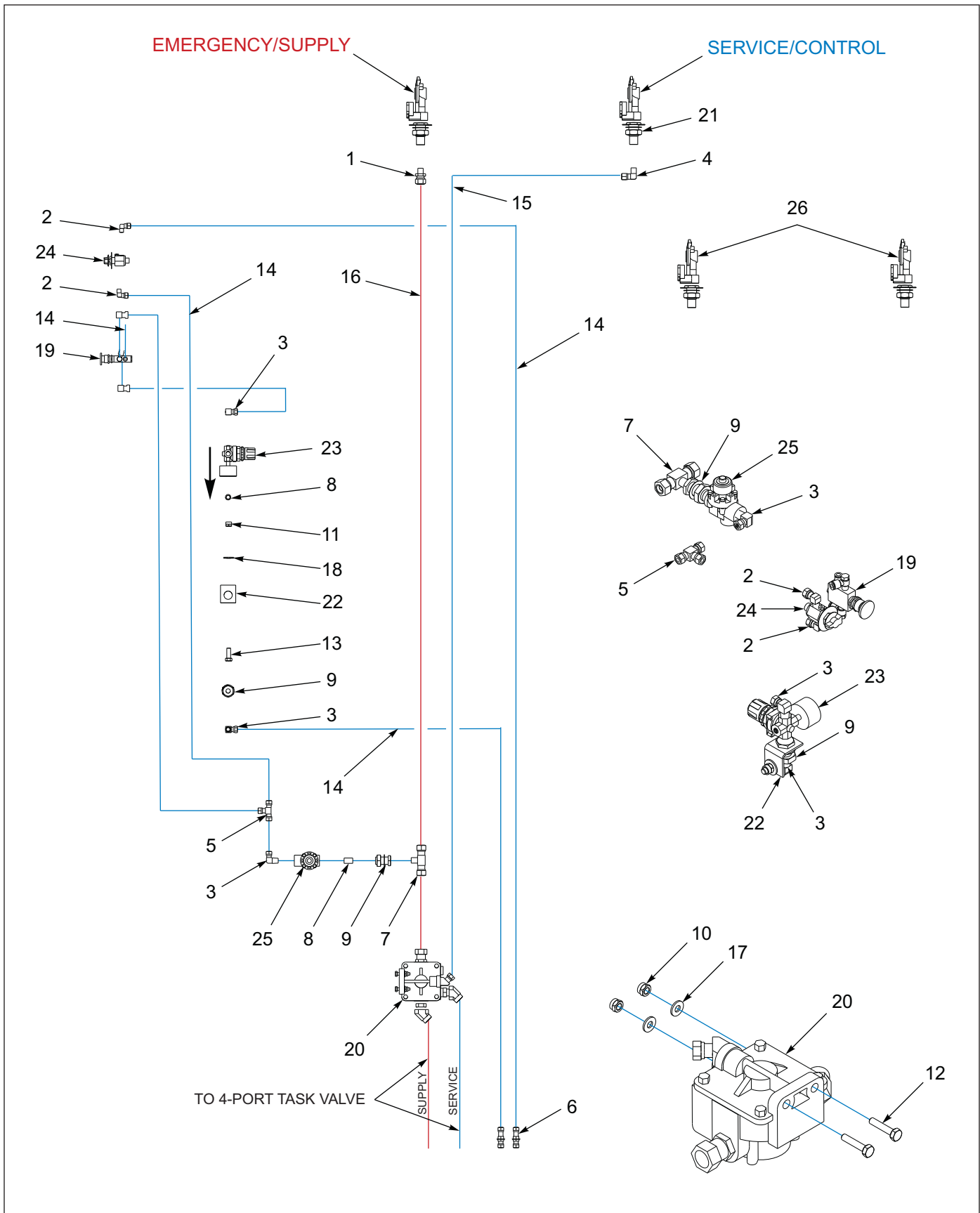


Figure 1-14: Air System

Air System

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	215063	HYD ELEC AIR 900E-33 RMT (REF. ONLY)	*	
	215064	HYD ELEC AIR 900E-33 NO RMT (REF. ONLY)	*	
	215069	HYD ELEC AIR 900E-HD RMT (REF. ONLY)	*	
	215070	HYD ELEC AIR 900E-HD NO RMT (REF. ONLY)	*	
	215071	HYD ELEC AIR 900E-33 RMT SLP ENG (REF. ONLY)		*
	215072	HYD ELEC AIR 900E-33 NO RMT SLP ENG (REF. ONLY)		*
	215077	HYD ELEC AIR 900E-HD RMT SLP ENG (REF. ONLY)		*
	215078	HYD ELEC AIR 900E-HD NO RMT SLP ENG (REF. ONLY)		*
	215227	HYD ELEC AIR 900E-35 HD RMT (REF. ONLY)	*	
	215080	HYD ELEC AIR 900E-35 HD NO RMT (REF. ONLY)	*	
1	1-297-010007-14	FITTING AIR 1/2TUBE X 1/4NPT	1	1
2	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	2	2
3	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	3	3
4	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1	1
5	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1	1
6	1-297-010014-02	FITTING,AIR,BLKHD UNION 1/4	2	2
7	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1	1
8	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	2	2
9	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	2	2
10	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2	2
11	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	1	1
12	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	2	2
13	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	1	1
14	1-833-010001	TUBING NYLON 1/4 OD	35	35
15	1-833-010002	TUBING NYLON 3/8 OD	33	33
16	1-833-010003	TUBING NYLON 1/2 OD	31	31
17	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2	2
18	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	1	1
19	107887	VALVE AIR PUSH BUTTON	1	1
20	141607	VALVE ASSY AIR BOOSTER (SEE PAGE 1-40) (CONNECTS TO 4-PORT TASK VALVE, PAGES 1-76 & 1-78)	1	1
21	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 1-39)	REF	REF
22	3-120-010445	BRACKET,PRESSURE REGULATOR660	1	1
23	3-626-010004	REGULATOR, AIR PRESSURE	1	1
24	900-54-088	VALVE, MANUAL OPERATED	REF	REF
25	905-54-107	BRAKE PROTECTION VALVE	1	1
26	145531	CONNECTORS FRONT AIR ONLY	--	1
27	213400	WASHER SST 1-1/4 OD X 21/32 ID (NOT SHOWN)	1	1
28	213332	REPLACEMENT PUSH BUTTON FOR VALVE (NOT SHOWN)	1	1

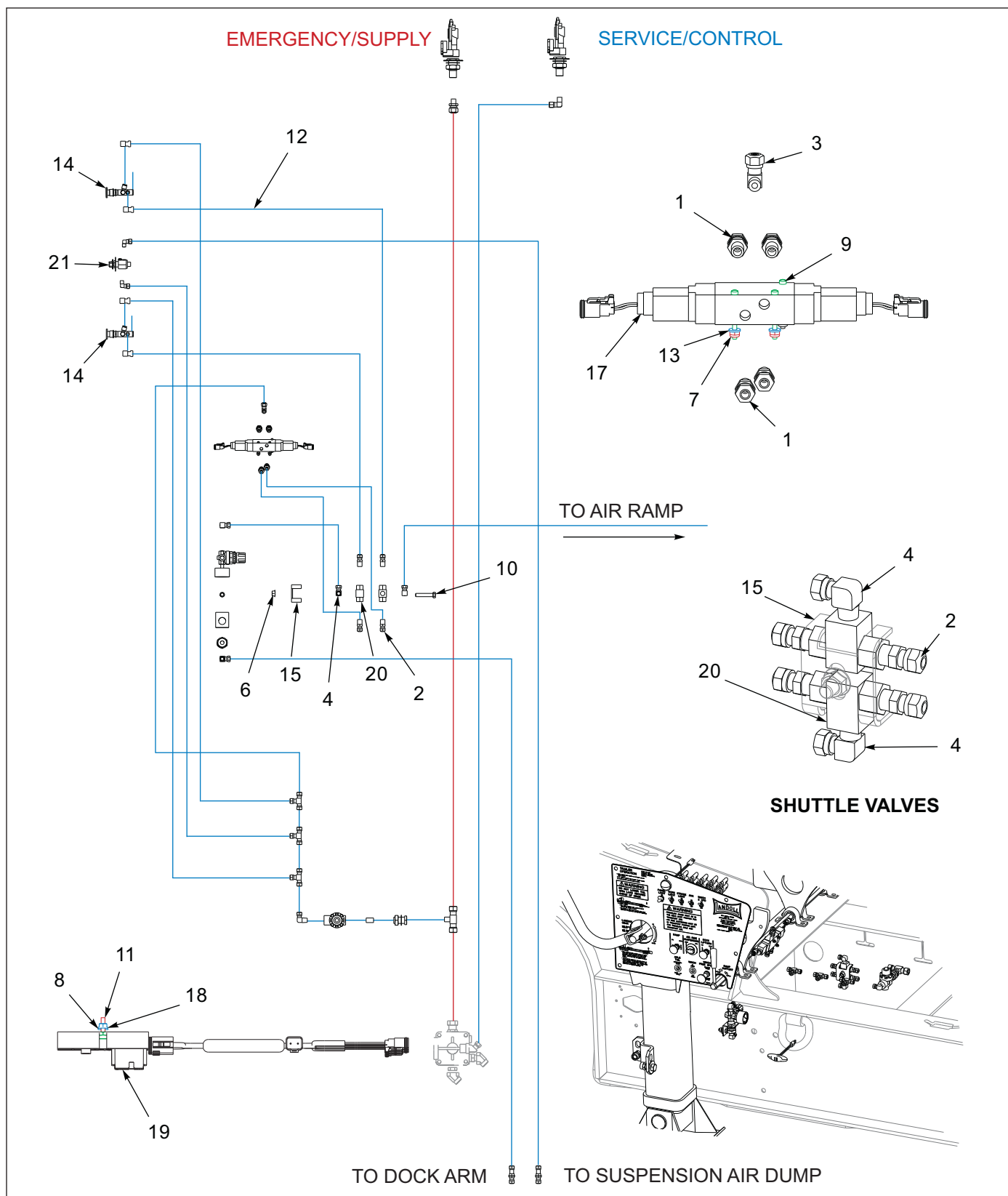


Figure 1-15: Dock & Ramp Remote Air System

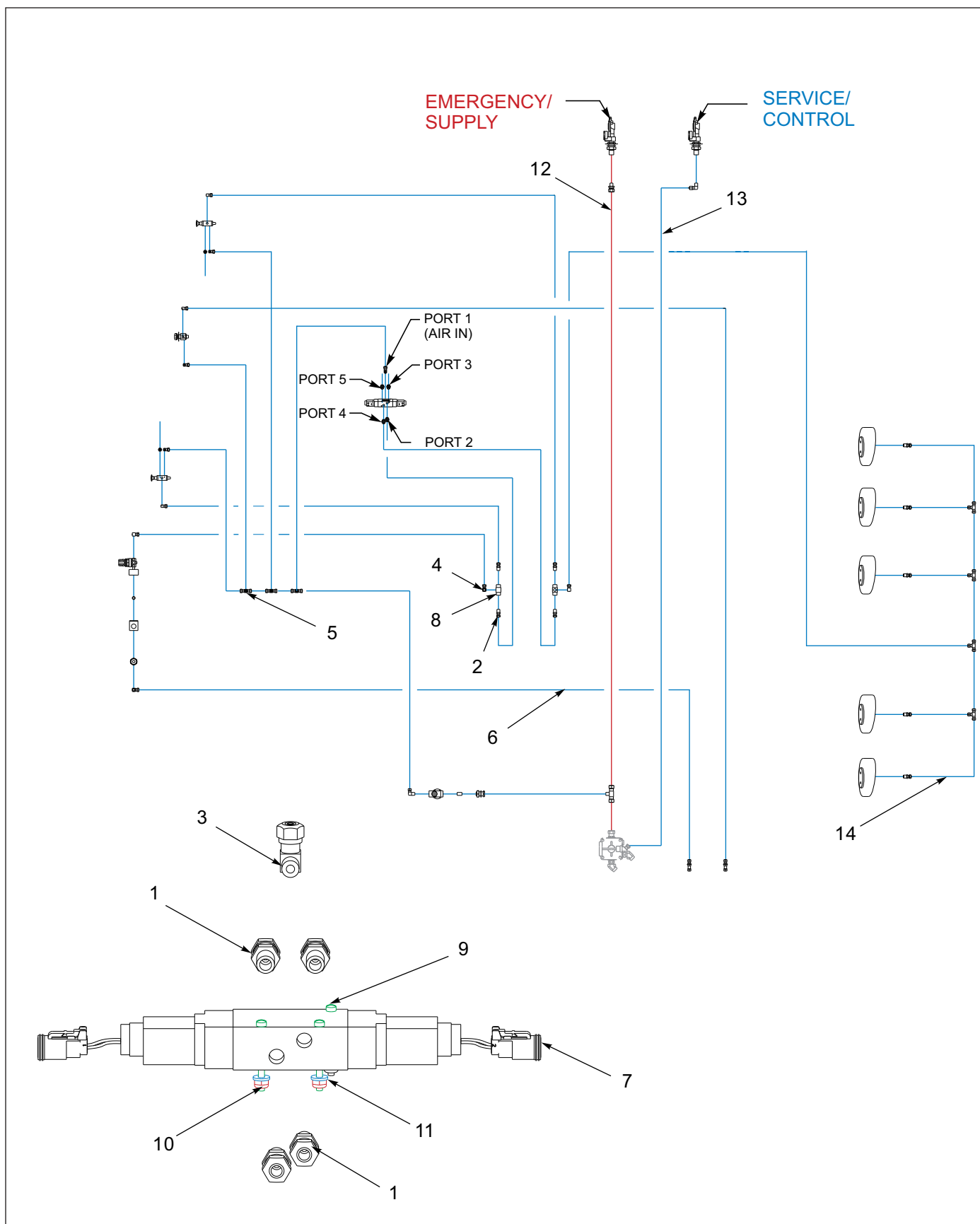
Dock & Ramp Remote Air System

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215063	HYD ELEC AIR 900E-33 RMT (REF. ONLY)	
	215069	HYD ELEC AIR 900E-HD RMT (REF. ONLY)	
	215071	HYD ELEC AIR 900E-33 RMT SLP ENG (REF. ONLY)	
	215077	HYD ELEC AIR 900E-HD RMT SLP ENG (REF. ONLY)	
	215227	HYD ELEC AIR 900E-35 HD RMT (REF. ONLY)	
1	1-297-010007-04	FITTING, AIR, 1/4 TUBE X 1/8 NPT	3
2	1-297-010007-05	FITTING, AIR, 1/4 TUBE X 1/4 NPT	4
3	1-297-010008-05	FITTING, AIR, 90 1/4 TUBE X 1/8NPT	2
4	1-297-010008-07	FITTING, AIR, 90 1/4 TUBE X 1/4 NPT	2
5	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
6	1-510-010001	NUT, 3/8 -16 UN C FL ANGE LOCK	1
7	1-512-010003-02	NUT, HEX,SLFLKG W/NYL #6-32	3
8	1-512-010005-03	NUT,HEX,SLFLKG,5/16 18 UNC,GRB	2
9	1-654-010024014	SCREW,MACH,SLTD FILH,#6-32UNCX1-1/2	3
10	1-654-010051-09	SCREW, HEX, 3/8-16UNCX2 GR5	1
11	1-656-010003051	SCREW,RD HD MACH #10-24X3/4	2
12	1-833-010001	TUBING NYLON 1/4 OD	9
13	1-861-010032-01	WASHER, FLAT, ZP/CD, #6	3
14	107887	VALVE, AIR PUSH BUTTON	REF
15	138814	HOSE CLAMP NOTCHED	1
16	139465	RAMP ASSY 6FT 930 (SEE PAGE 1-225)	REF
17	194406	VALVE PNEUMATIC ASSY 4-WAY 3-POS	1
18	212074	NUT, FLG HD, SERR 10-24 UNC	2
19	213497	REMOTE BRAND 6 FUNC 900	1
20	3-843-010039-02	VALVE AIR SHUTTLE 1/4NPT	2
21	900-54-088	VALVE, MANUAL OPERATED	REF
22	213332	REPLACEMENT PUSH BUTTON FOR VALVE (NOT SHOWN)	REF



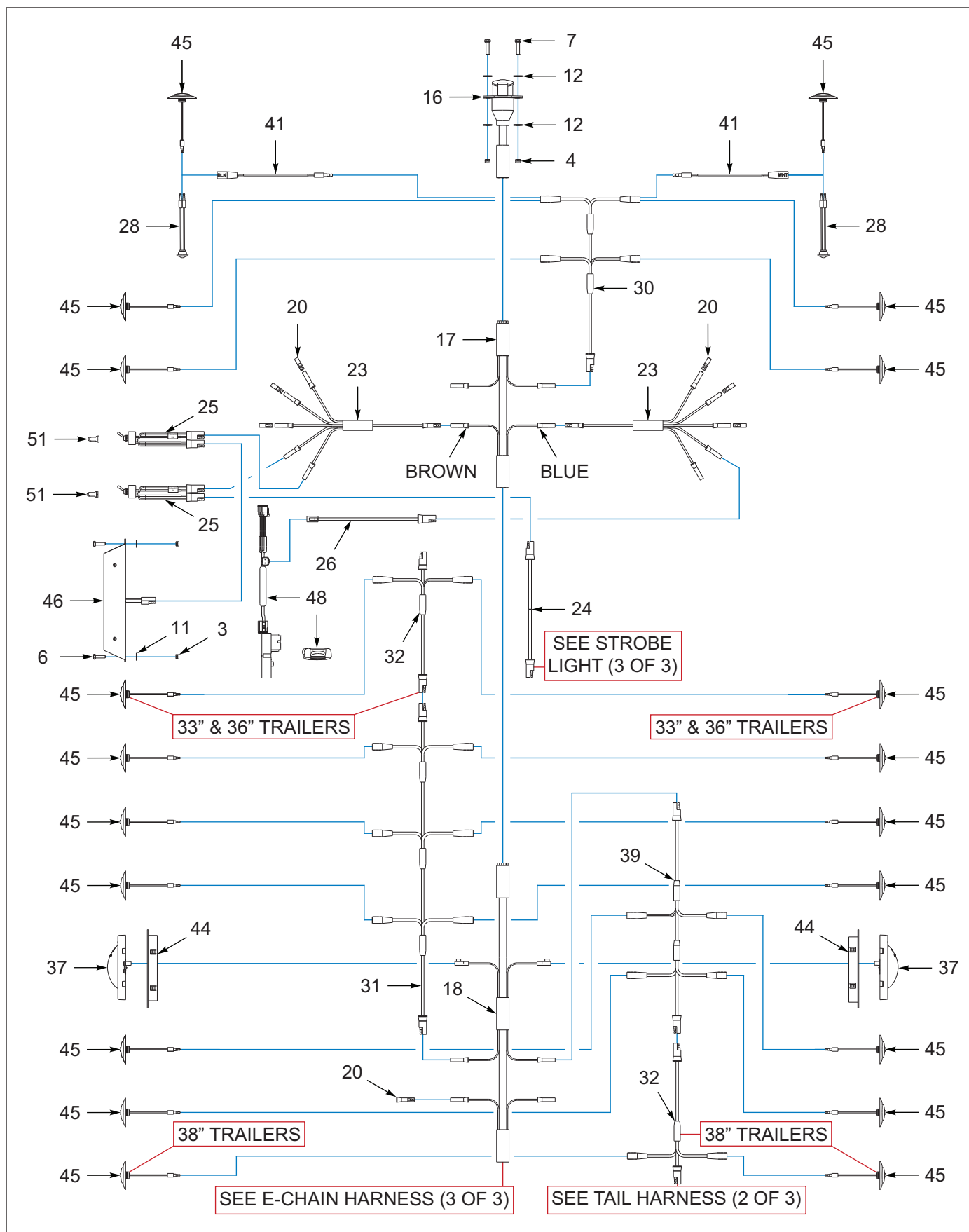
Dock Remote Air System

ITEM	PART NUMBER	DESCRIPTION	QTY.
	144615	REMOTE CONTROL - BRAND 6-FUNCTION REMOTE (REF. ONLY)	
1	1-297-010007-04	FITTING, AIR	3
2	1-297-010007-05	FITTING, AIR	2
3	1-297-010008-05	FITTING, AIR 90	1
4	1-297-010008-07	FITTING, AIR 90	1
5	1-297-010010-01	FITTING, AIR UNION TEE	1
6	1-560-010002-01	PLUG, PIPE 1/8	1
7	1-833-010001	TUBING, NYLON 1/4 (BY THE FOOT)	--
8	194406	VALVE, PNEUMATIC 4 WAY, 3 POS	--
9	3-843-010039-02	VALVE, AIR SHUTTLE	--
10	1-654-010024014	SCREW,MACH,SLTD FILH,#6-32UNCX1-1/2	3
11	1-512-010003-02	NUT, HEX,SLFLKG W/NYL #6-32	3
12	1-861-010032-01	WASHER, FLAT, ZP/CD, #6	3
13	1-833-010003	TUBING, NYLON 1/2	--
14	1-833-010002	TUBING NYLON 3/8 OD	--

**Figure 1-17: Dock & Ramp Remote Air System**

Dock & Ramp Remote Air System

ITEM	PART NUMBER	DESCRIPTION	QTY.
	140910	REMOTE CONTROL - WN/U/L/R (REF. ONLY)	
1	1-297-010007-04	FITTING, AIR	4
2	1-297-010007-05	FITTING, AIR	4
3	1-297-010008-05	FITTING, AIR 90	1
4	1-297-010008-07	FITTING, AIR 90	2
5	1-297-010010-01	FITTING, AIR UNION TEE	1
6	1-833-010001	TUBING, NYLON 1/4	AR
7	194406	VALVE, PNEUMATIC 4 WAY, 3 POS	1
8	3-843-010039-02	VALVE, AIR SHUTTLE	1
9	1-654-010024014	SCREW,MACH,SLTD FILH,#6-32UNCX1-1/2	3
10	1-512-010003-02	NUT, HEX,SLFLKG W/NYL #6-32	3
11	1-861-010032-01	WASHER, FLAT, ZP/CD, #6	3
12	1-833-010003	TUBING, NYLON 1/2	REF
13	1-833-010002	TUBING NYLON 3/8 OD	REF
14	139465	RAMP ASSY 6FT 930 (SEE PAGE 1-225)	REF



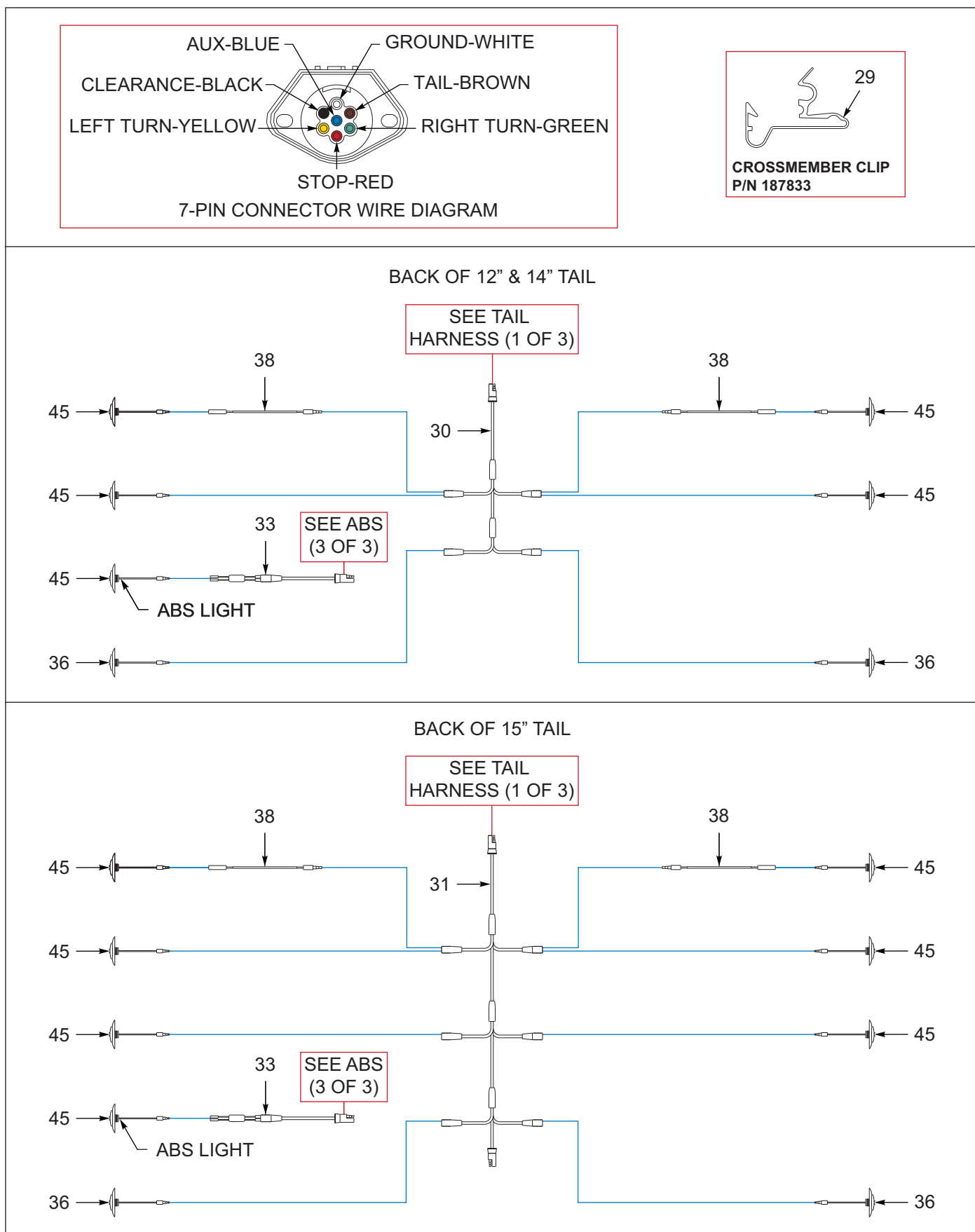


Figure 1-19: Electrical System (2 of 3)



Electrical System

ITEM	PART NUMBER	DESCRIPTION	QTY
	215063	HYD ELEC AIR 900E-33 RMT	--
	215067	HYD ELEC AIR 900E-38 RMT	--
	215227	HYD ELEC AIR 900E-35HD RMT	--
	214499	SUSP ASSY 930E-12 2512-77 (195848 12' TAIL)	--
	215051	SUSP ASSY 930E-14 2512-77 (195850 14' TAIL)	--
	215053	SUSP ASSY 930E-15 2512-77 (195852 15' TAIL)	--
1	1-343-010006	GROMMET	2
2	1-512-010003-02	NUT,HEX,SLFLKG W/NYL #6-32 (ADDED 04/24/2018)	2
3	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 (BEFORE 04/24/2018, REQ 4)	6
4	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	2
5	1-512-010007-03	NUT, HEX 10-24 GR2 ZP	2
6	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5 (BEFORE 04/24/2018, REQ 2)	4
7	1-654-010049-06	SCREW,H/CAP,5/16-18UNCX1-1/4	2
8	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4	2
9	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	2
10	1-861-010032-01	WASHER, FLAT #6 ZP/CD (ADDED 04/24/2018)	2
11	1-861-010032-07	WASHER,FLAT 1/4 ZP (BEFORE 04/24/2018, REQ 2)	4
12	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	4
13	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10	2
14	116324	PLUG,PLAST PANEL1-5/16&1-7/16	4
15	122187	SCREW,MACH SLOT FILL 6-32X3/4 (ADDED 04/24/2018)	2
16	143100	HARNESS 7WAY RECP GROTE	1
17	143101	HARNESS FRONT MAIN GROTE	1
18	143102	HARNESS BED MAIN GROTE	1
19	143103	HARNESS ECHAIN GROTE	1
20	143121	DUMMY PLUG MALE/FEM BULLET	--
21	143123	GREASE DIELECTRIC 4 OZ TUBE (NOT SHOWN)	--
22	143167	HARNESS EXT 84 IN GROTE	1
23	150093	HARNESS 5 AUX BRANCHES GROTE	2
24	150111	HARNESS 300 IN MALE.FEMALE	2
25	150117	SWITCH ASSY LIGHT GROTE	2
26	164052	HARNESS,60"BRANCH,WORK LIGHT	1
27	179906	PLATE MTG MICRO ID LIGHTS	1
28	183413	LIGHT,WHT LED .75 CL/MK GROTE	2
29	187833	CLIP HARNESS, CROSS-MEMBER	100
30	187855	HARNESS MARKER UPR DECK (12' TAIL, REQ 2 EACH) (14' & 15'" TAIL, REQ 1 EACH)	--
31	187856	HARNESS MARKER MID DECK (12' TAIL, REQ 1 EACH) (14' & 15'" TAIL, REQ 2 EACH)	--
32	187857	HARNESS MARKER ADDITION (TRAILER LENGTH LESS TAIL) (35', REQ 0 EACH) (33', 36', REQ 1 EACH) (38', REQ 2 EACH)	--
33	187858	HARNESS ABS LAMP MICRONOVA	1
34	187859	HARNESS BUMPER MICRONOVA GROTE	1
35	187860	LIGHT ASSY LICENSE LED GROTE	1
36	187864	LIGHT RED LED.75CL/MK CLEAR CB (BEFORE 12/26/2018)	5
36	213298	LIGHT RED CLEAR LENS MKR (AFTER 12/26/2018)	5
37	187868	LIGHT MID-TURN LED CLEAR LENS	2
38	194410	HARNESS JUMPER LAMP MIRCO-NOVA	2

Electrical System

39	194411	HARNESS MARKER FRAME REAR	1
40	213287	HARNESS JUMPER 12" TURN/TAIL	1
41	213290	HARNESS 6" MKR EXTENSION	2
42	213294	STROBE ASSY LIGHT W/12"HARNESS (ADDED 04/24/2018) (INCLUDES 213288-HARNESS MARKER, 213293-LIGHT STROBE YELLOW)	1
43	213295	LIGHT CLEAR LENS S/T/T	8
44	213296	FLANGE CHROME FLAT OBLONG	10
45	213297	LIGHT YEL CLEAR LENS MKR (33', 36' TRAILERS, REQ 18 EACH) (35' TRAILERS, REQ 16 EACH) (38' TRAILERS, REQ 20 EACH) (12', 14' TAIL, REQ 5 EACH) (15' TAIL, REQ 7 EACH)	--
46	213304	LIGHT ASSY CONTROL PANEL	1
47	213305	BRACKET U/C CENTER STROBE (ADDED 04/24/2018 - USED UNTIL 08/31/2020)	1
47	225884	BRACKET U/C STRB/GRSE BULKHEAD (AFTER 08/31/2020)	1
48	213497	REMOTE KIT BRAND 6 FUNC 900 (SEE PAGE 1-180)	--
49	216230	MOUNT WLDMT MUD FLAP S/T/T (BEFORE 11/01/2019)	2
49	223257	MOUNT WLDMT MUDFLAP S/T/T GALV (AFTER 11/01/2019)	2
50	43028	HOSE WRAP AEROQUIP 3/8 (NOT SHOWN)	4
51	81264	RUBBER BOOT FOR ELECT SWITCH	2

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Cylinders & Connectors

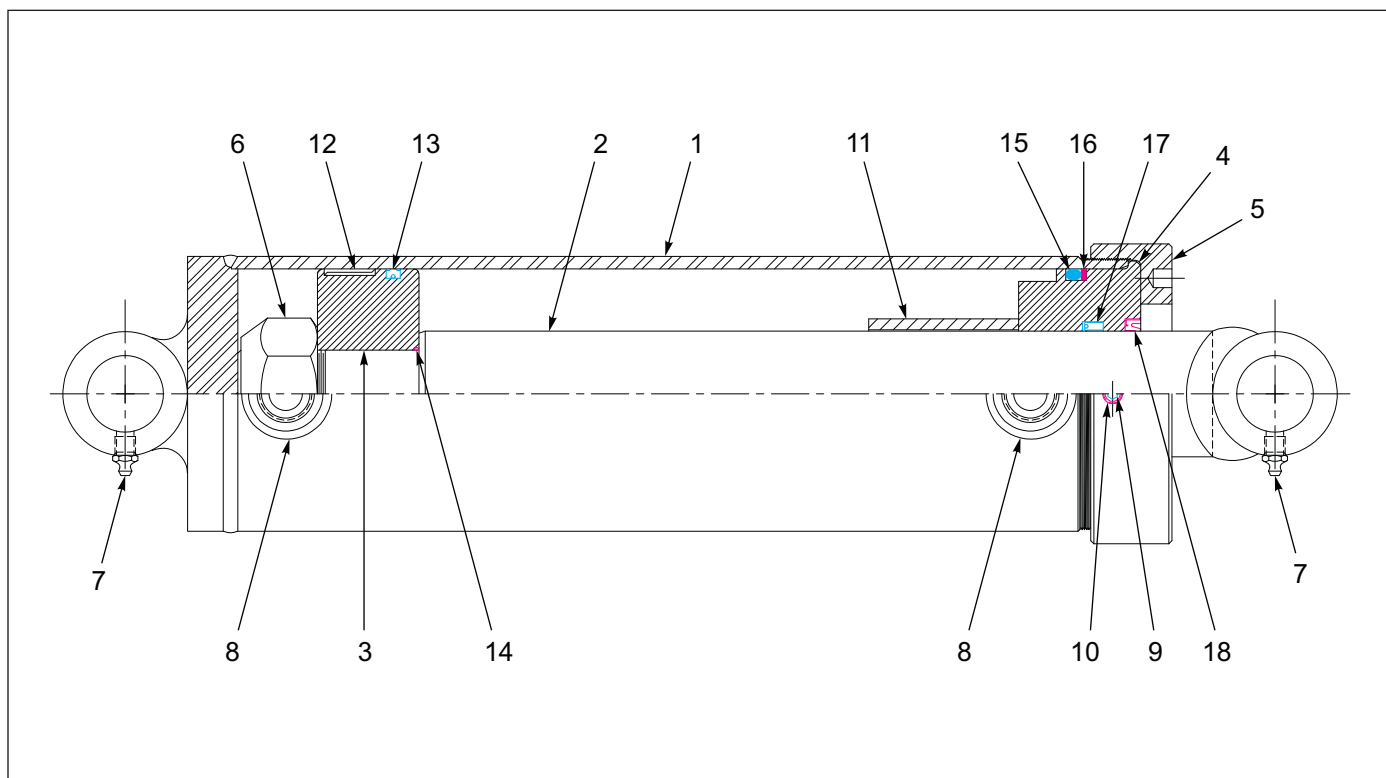


Figure 1-21: Cylinder - 5 X 60

Cylinder - 5 X 60

ITEM	PART NUMBER	REFERENCE NO.	DESCRIPTION	QTY.
	194401		CYLINDER, 5 X 60	
1	-----	062100946	BUTT & TUBE ASSY	1
2	114081	-----	PISTON ROD ASY	1
3	-----	072100181	PISTON	1
4	179002	-----	GLAND	1
5	-----	262100018	GLAND CAP	1
6	-----	220000217	LOCK NUT	1
7	-----	270010002	GREASE ZERK	2
8	-----	200500007	PORT PLUG	2
9	-----	220000701	SET SCREW	1
10	-----	220000853	NYLON LOCK	1
11	-----	211400029	SPACER	1
12	-----	240011302	BEARING RING	1
13	-----	240060350	CROWN SEAL	1
14	-----	240000031	O-RING	1
15	-----	240000425	O-RING	1
16	-----	240061425	BU-WASHER	1
17	-----	240020013	U-CUP	1
18	-----	250014250	WIPER	1
19	201641	PMCK-CA-0348	*PACKING KIT (ITEMS 12-18, NOT SHOWN)	REF

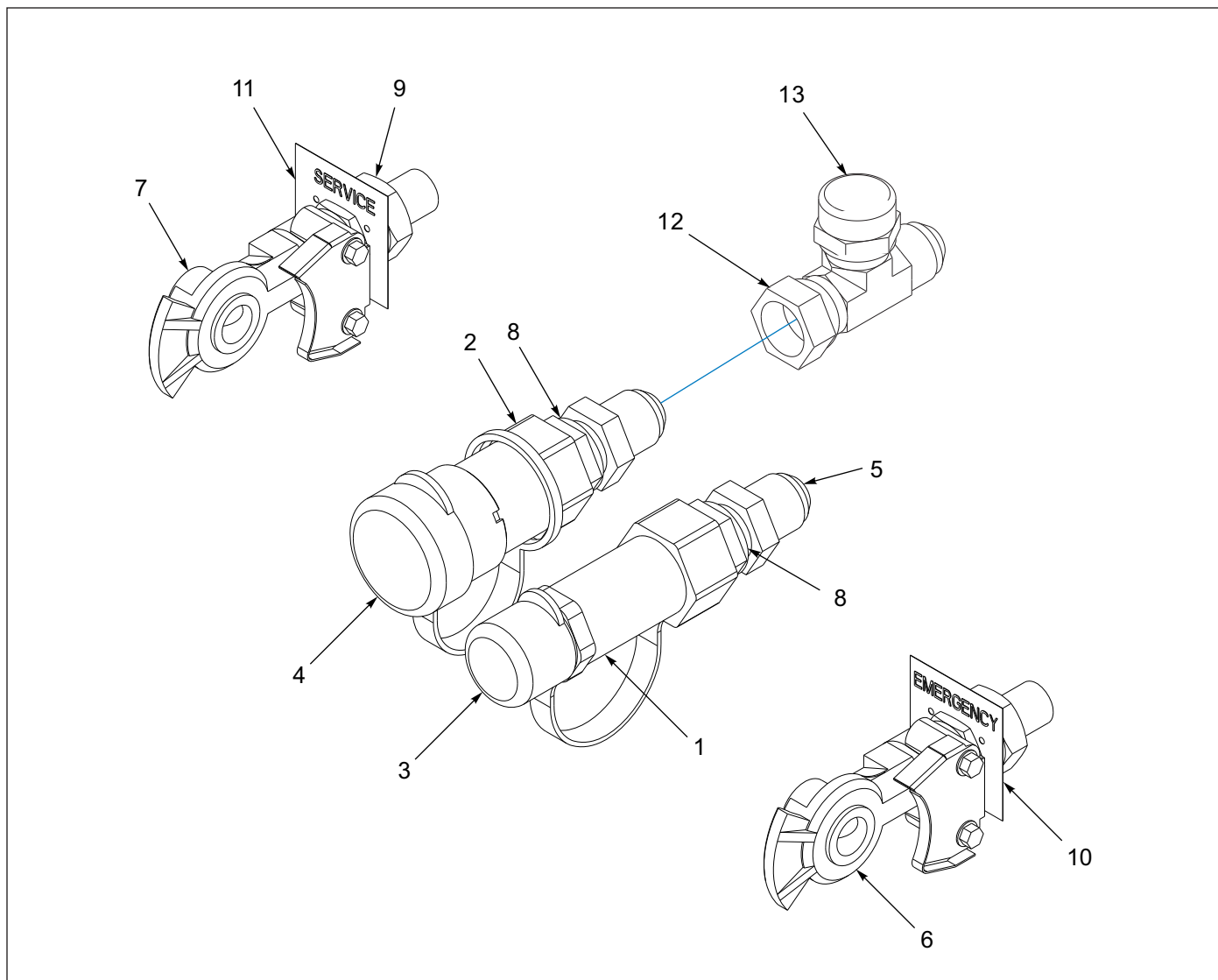


Figure 1-22: Connectors - Front Sub Assembly

Connectors - Front Sub Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	143163	CONNECTORS FRONT SUB ASSY (REF. ONLY)	
1	105479	COUPLER, FLAT FACE MALE	1
2	105480	COUPLER, FLAT FACE FEMALE	1
3	105481	COUPLER, DUST CAP MALE	1
4	105482	COUPLER, DUST CAP FEMALE	1
5	105483	ADAPTER, BULKHEAD 12JIC-12ORING	2
6	108801	GLADHAND, RED AIR	1
7	108802	GLADHAND, BLUE AIR	1
8	169365	SPACER, HYDRAULIC COUPLER	2
9	55B61	FRAME UNION	2
10	55B61-6	TAG EMERGENCY LINE	1
11	55B61-7	TAG SERVICE LINE	1
12	203102-12-12S	ADAPTER, TEE, #12, SAE 37, SWIVL	1
13	210292-12S	HYD FITTING CAPNUT, .75	1

Valves

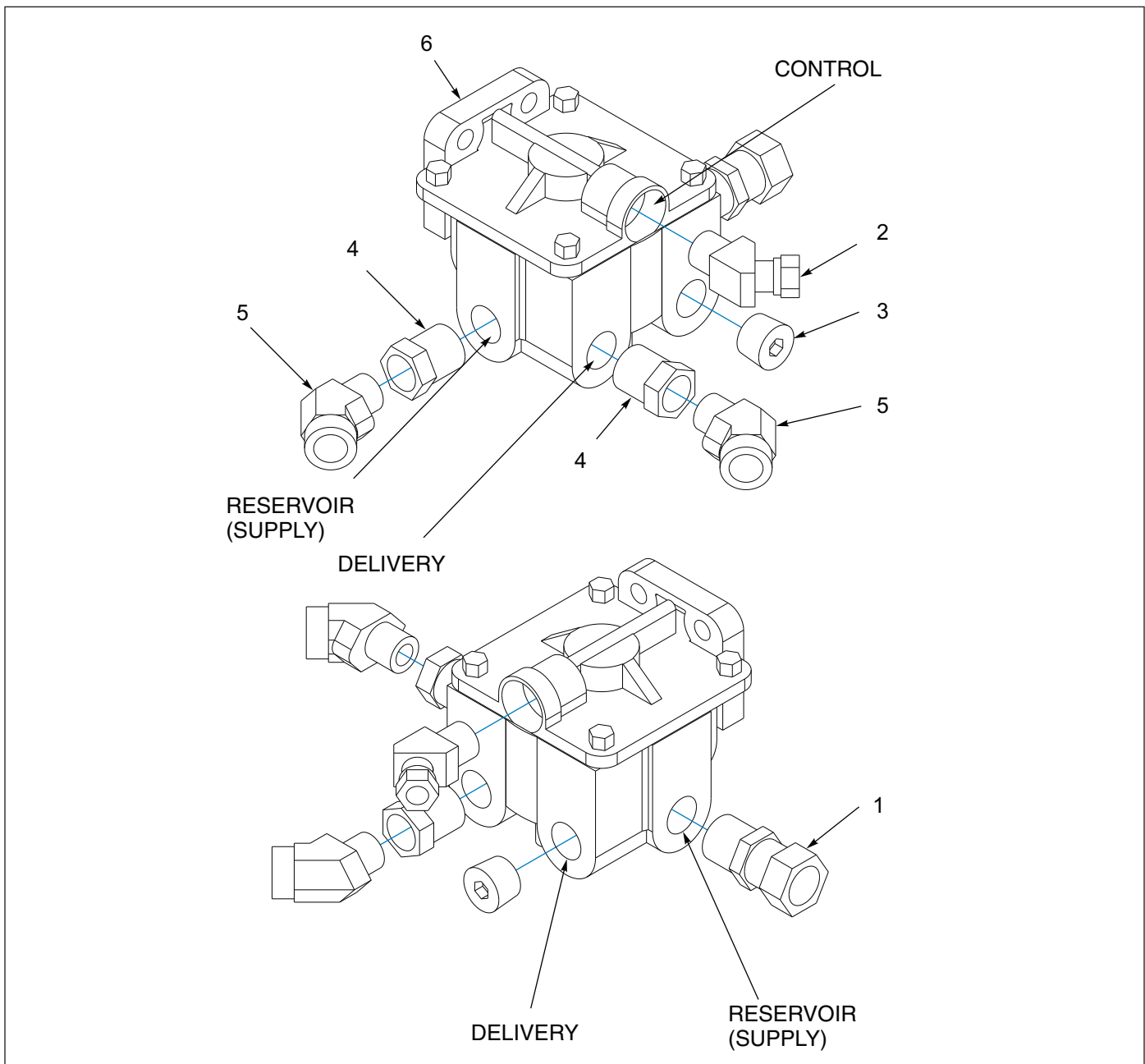


Figure 1-23: Valve Assembly - Air Booster

Valve Assembly - Air Booster

ITEM	PART NUMBER	DESCRIPTION	QTY.
	141607	VALVE ASSY AIR BOOSTER	--
1	1-297-010007-16	FITTING AIR 1/2TUBEX1/2 NPT	1
2	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P	1
3	1-560-010002-04	PLUG, PIPE, 1/2NPT	1
4	2081-8-6S	REDUCER 1/2NPT X 3/8NPT	2
5	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	2
6	3-843-010038	VALVE,AIR RELAY FAST AIR BAL	1

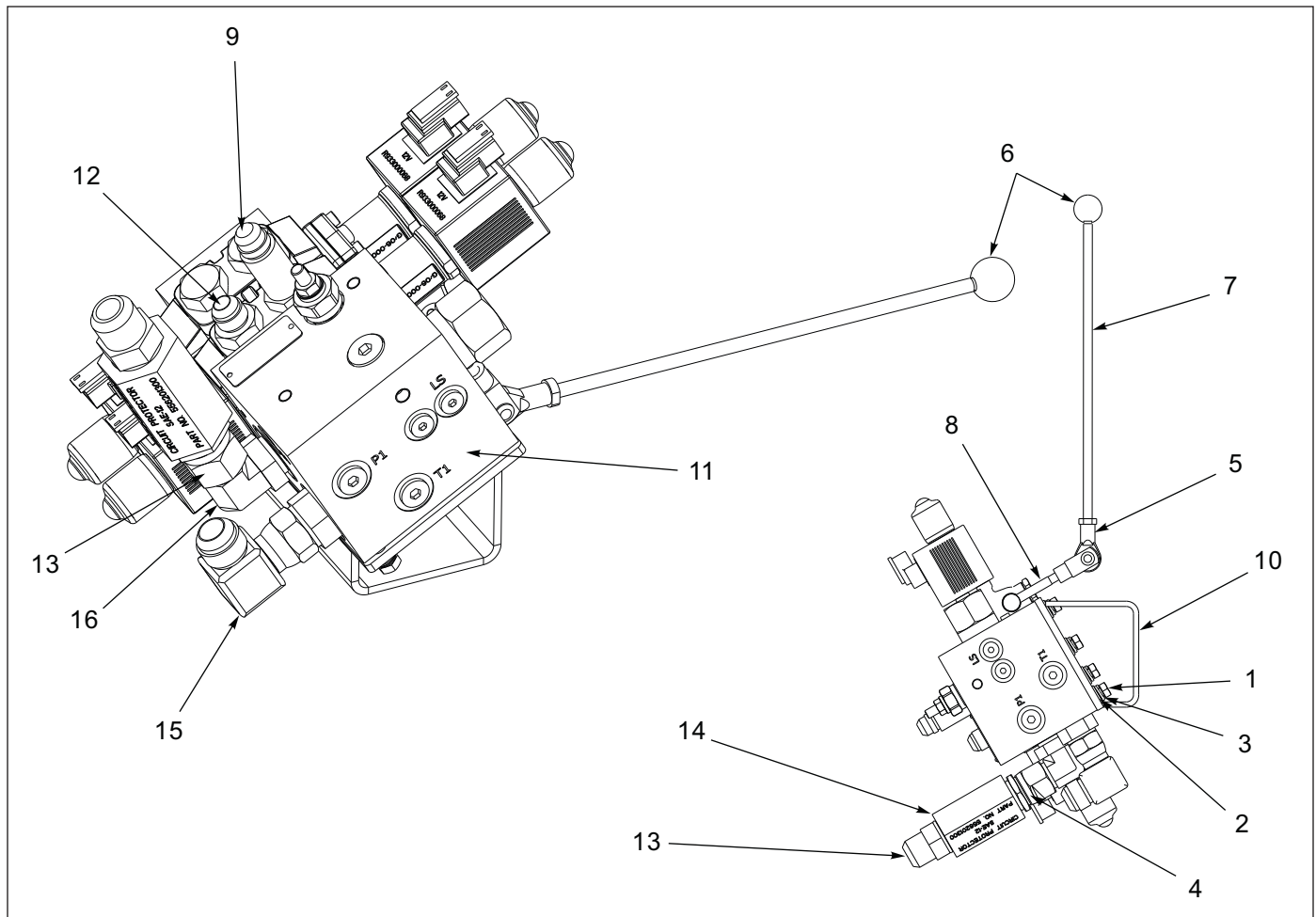


Figure 1-24: Valve Assembly - 2 Spool Control

Valve Assembly - 2 Spool Control

ITEM	PART NUMBER	DESCRIPTION	QTY.
	194395	VALVE ASSY 2-SPOOL CONTROL	
1	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	4
2	1-861-010032-08	WASHER,FLAT 5/16 ZP	4
3	1-861-010034-10	WASHER,LKG 5/16	4
4	120660	ADAPTER, #12-O/R FEM-#12FL ML	1
5	186875	CLEVIS JOINT, ROD ENDS M8X1.25	2
6	191849	HANDLE ASSEMBLY, RED KNOB (WINCH FUNCTION)	1
7	191850	HANDLE ASSEMBLY, BLACK KNOB	1
8	186902	STUD M8X1.25X65MM, DBL THD	2
9	189285	ADAPTER STR LING #10ORB #8JMIC	2
10	194396	MOUNT WLDMT 2-SPOOL VALVE	1
11	194402	VALVE 2-SPOOL	1
12	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
13	202702-12-12S	ADAPTER, STR, #12 O-RING - #12 TUBE	2
14	204124	FILTER HYD IN-LINE MAGNETIC SAE#12	1
15	2062-12-12S	ADAPTER, 90, #12 O-RING #12 TUBE	1
16	2071-12-12S	ADAPTER, 90, #12FLR SWVL #12JIC	1

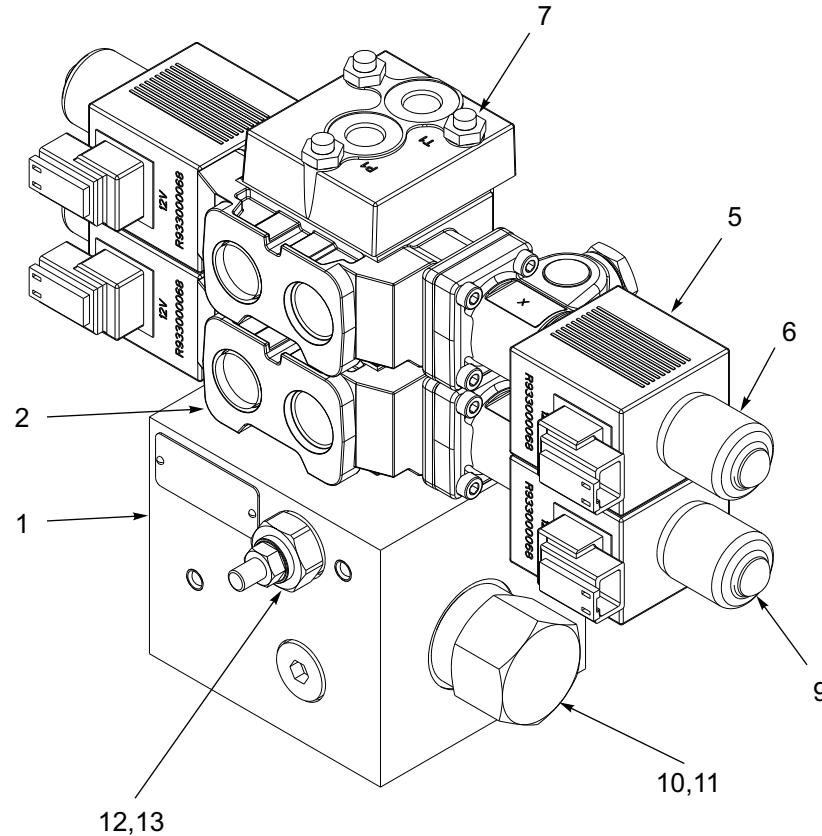


Figure 1-25: Valve Assembly - 2 Spool Solenoid

Valve Assembly - 2 Spool Solenoid

ITEM	PART NUMBER	DESCRIPTION	QTY.
	194402	VALVE, 2 SPOOL SOLENOID	
1	191847	INLET SECTION KIT	1
2	191848	VALVE SECTION KIT	2
3	191849	HANDLE ASSY (NOT SHOWN)	1
4	191850	HANDLE ASSY (NOT SHOWN)	1
5	193400	COIL	1
6	193401	RUBBER BOOT	1
7	193403	BOLT KIT	1
8	193442	VALVE SECTION SEAL KIT (NOT SHOWN)	1
9	193443	COIL NUT SEAL KIT	1
10	193444	BY-PASS COMENSATOR	1
11	193445	SEAL KIT FOR COMPENSATOR	1
12	193446	LOAD SENSE RELIEF	1
13	193447	LOAD SENSE RELIEF SEAL KIT	1
14	216601	COMPLETE VALVE SEAL KIT (ITEMS 8, 12, 13)	REF

[illegible]

Undercarriage

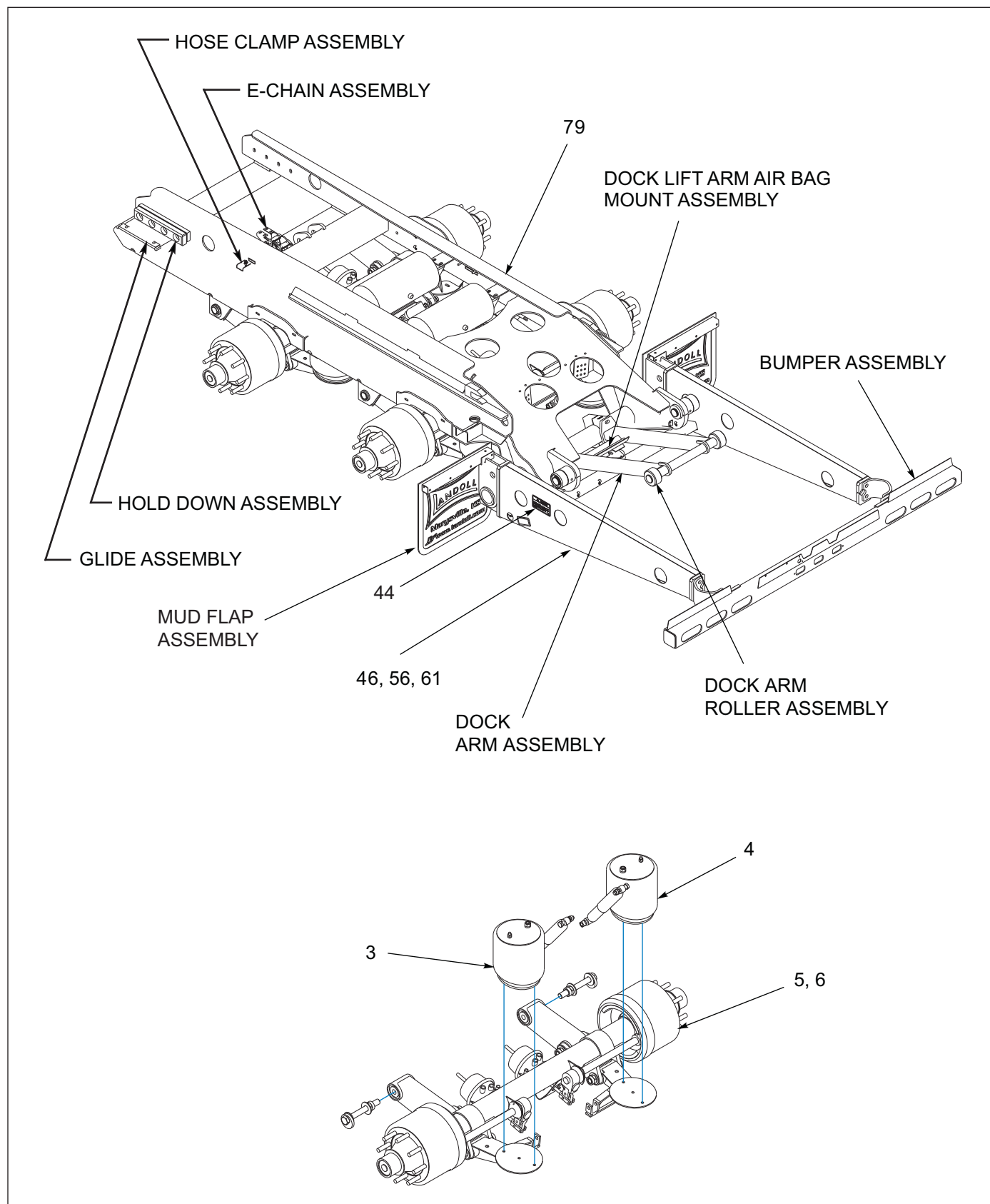
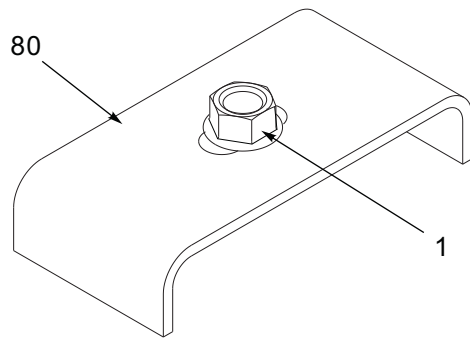
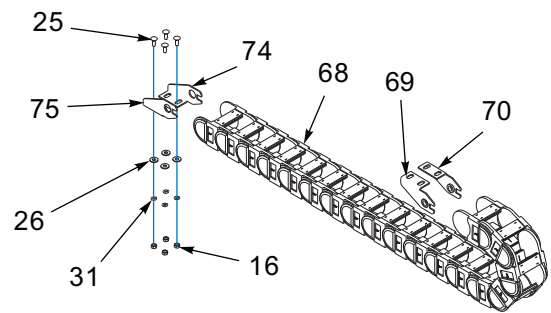


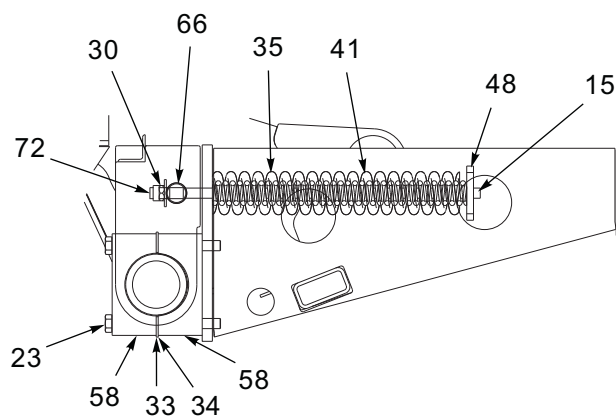
Figure 1-26: General Items - 930E (1 of 3)



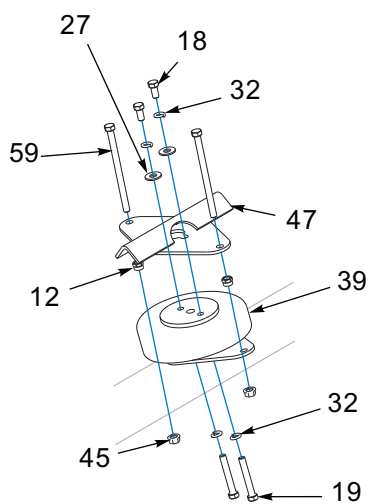
CLAMP ASSEMBLY



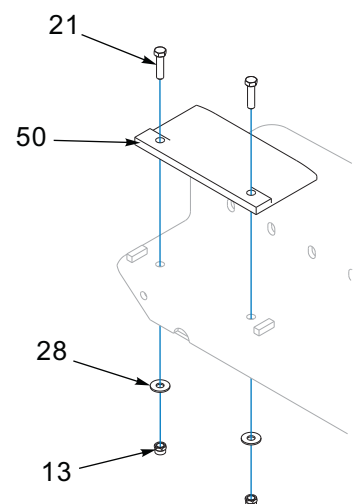
E-CHAIN ASSEMBLY



TAIL ASSEMBLY



DOCK LIFT ARM
AIR BAG MOUNT ASSEMBLY
2 LOCATIONS



GLIDE ASSEMBLY
2 LOCATIONS

Figure 1-27: General Items - 930E (2 of 3)

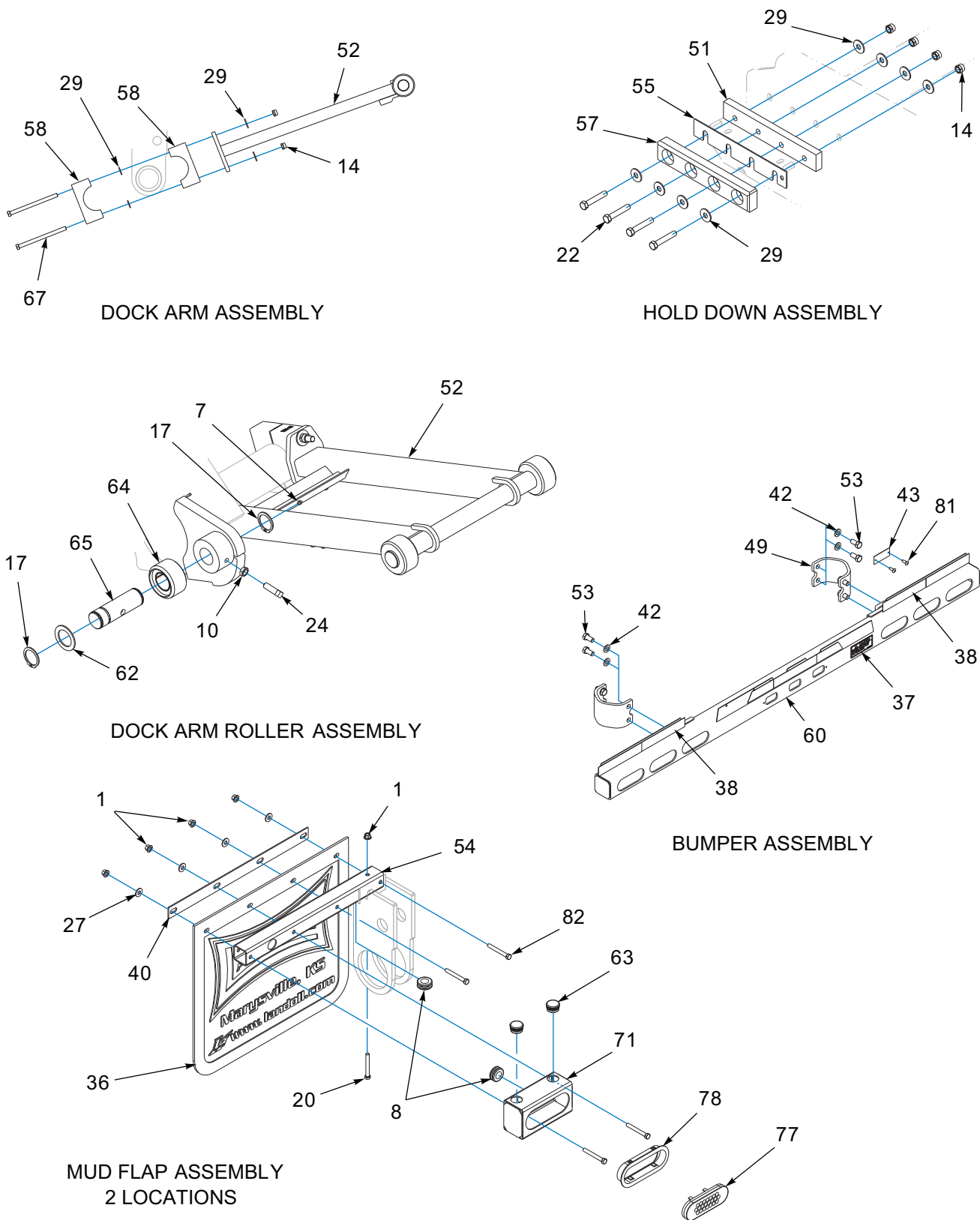


Figure 1-28: General Items - 930E (3 of 3)

General Items - 930E

ITEM	PART NUMBER	DESCRIPTION	QTY.			
	214499	SUSP 930E-12, 2512-77 (REF. ONLY)	*		*	
	214500	SUSP 930E-12, 2516-75 (REF. ONLY)		*		*
	215051	SUSP 930E-14, 2512-77 (REF. ONLY)	*		*	
	215052	SUSP 930E-14, 2516-75 (REF. ONLY)		*		*
	215053	SUSP 930E-15, 2512-77 (REF. ONLY)	*		*	
	215054	SUSP 930E-15, 2516-75 (REF. ONLY)		*		*
	215056	SUSP 930E-12, 2512-77, TIS (REF. ONLY)	*		*	
	215057	SUSP 930E-12, 2516-75, TIS (REF. ONLY)		*		*
	215058	SUSP 930E-14, 2512-77, TIS (REF. ONLY)	*		*	
	215059	SUSP 930E-14, 2516-75, TIS (REF. ONLY)		*		*
	215060	SUSP 930E-15, 2512-77, TIS (REF. ONLY)	*		*	
	215061	SUSP 930E-15, 2516-75, TIS (REF. ONLY)		*		*
1	1-510-010001	NUT, 3/8-16 UNC FLANGE LOCK	15	15	15	15
2	1-843-010014	VALVE EXT STEM (NON-TIS SYSTEM ONLY)	4	4	4	4
3	102363	SUSPENSION, ADJ RLU 228-3.5	2	--	2	--
4	102364	SUSPENSION, ADJ RLU 228-5.5	--	2	--	2
5	115747	AXLE WLDMT 2512 SPG 77, 39.5	2	--	2	--
6	115749	AXLE WLDMT 2516 SPG 75, 39.5	--	2	--	2
7	1-298-010001-1	FITTING, GREASE 1/4-28 STR SHORT	2	2	2	--
8	1-343-010006	GROMMET 7/8IDX1/4GWX1-1/4GD	REF	REF	REF	REF
9	1-394-010001	HOSE ABRASION SLEEVE X 2 IN.	2	2	2	2
10	1-511-010001-07	NUT, HEX JAM, 5/8-11	2	2	2	2
11	1-512-010005-01	NUT, HEX, SLFLKG, 1/4-20 UNC, GRB	2	2	2	2
12	1-512-010005-05	NUT, HEX, SLFLKG, 3/8-16 UNC, GRB	2	2	2	2
13	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 UNC, GRB	4	4	4	4
14	1-512-010005-13	NUT, HEX, SLFLKG, 5/8-11 UNC, GRB	4	4	4	4
15	1-512-010005-15	NUT, HEX, SLFLKG, 3/4-10 UNC, GRB (BEFORE 04/27/2020)	2	2	2	2
15	1-512-010002-15	NUT,HEX SLFLKG 3/4-10 GRC (AFTER 04/27/2008)	2	2	2	2
16	1-512-010007-05	NUT, HEX, 1/4-20 UNC, GR2	4	4	4	4
17	1-630-010021-02	RING RETAINING 2 HD	4	4	4	4
18	1-654-010051-03	SCREW, HEX, 3/8-16UNCX3/4 GR5	2	2	2	2
19	1-654-010051-11	SCREW, HEX, 3/8-16UNCX2-1/2 GR5	2	2	2	2
20	1-654-010051-13	SCREW, HEX, 3/8-16UNCX3 GR5	10	10	10	10
21	1-654-010055-05	SCREW, HEX, 1/2-13UNCX2 GR5	4	4	4	4
22	1-654-010059-11	SCREW, HEX, 5/8-11UNCX3-1/2 GR5	REF	REF	REF	REF
23	1-654-010061-21	SCREW, HEX, 3/4-10UNCX8 GR5	4	4	4	4
24	1-654-010150-05	SCREW, SET, 5/8-11UNCX3-1/2 GR5	2	2	2	2
25	1-654-010158-1	SCREW, RDH, SQ NCK, 1/4-20X3/4	6	6	6	6
26	1-861-010032-07	WASHER, FLAT, ZP/CD, 1/4W	4	4	4	4
27	1-861-010032-11	WASHER, FLAT, ZP/CD, 3/8W	10	10	10	10
28	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	4	4	4	4
29	1-861-010032-19	WASHER, FLAT, ZP/CD, 5/8W	4	4	4	4
30	1-861-010032-21	WASHER, FLAT, ZP/CD, 3/4W (BEFORE 04/27/2020)	2	2	2	2
30	622-3511-008	WASHER, FLAT 3/4 MIL-CARB SAE (AFTER 04/27/2020)	2	2	2	2
31	1-861-010034-09	WASHER, LKG, HLCL SPR, 1/4	4	4	4	4
32	1-861-010034-11	WASHER, LKG, HLCL SPR, 3/8	4	4	4	4

General Items - 930E

ITEM	PART NUMBER	DESCRIPTION	QTY.			
33	2-684-010001	SHIM, ROCKSHAFT BEARING	4	4	4	4
34	2-684-010045	SHIM, ROCKSHAFT BEARING 3/4 IN.	4	4	4	4
35	2-720-010008	SPRING, SPRING CLAMP	2	2	2	2
36	3-485-010001	MUD FLAP 21 IN.	2	2	2	2
37	3-573-010031	DECAL, BUMPER	1	1	1	1
38	3-573-010377	DECAL, 2 IN, REFLECTIVE TAPE RED/WHITE	84	84	84	84
39	3-720-010042	SUSPENSION, AIR BAG	1	1	1	1
40	3-762-010017	CLAMP, MUD FLAP	2	2	2	2
41	8-720-010013	SPRING COMPRESSION (NOT ON ASSEMBLY 214499 / 214500 / 215056 / 215057)	2	2	2	2
42	622-3511-008	WASHER, FLAT 3/4 MIL/-CARB FL SAE	8	8	8	8
43	103055	DECAL ENERGY BUMPER	1	1	1	1
44	103056	DECAL, ENERGY WARNING BUMPER	1	1	1	1
45	107470	NUT, FLG HD, SPIRALOCK, 3/8-16 UNC	2	2	2	2
46	107582	BUMPER ARM WLDMT 12FT TAIL	REF	REF	REF	REF
47	107588	PLATE WLDMT LIFT GUIDING	1	1	1	1
48	107592	PLATE SPG TENSION	2	2	2	2
49	107594	MOUNT, BUMPER ENERGY PAK	2	2	2	2
50	107621	GLIDE, U/C 930	2	2	2	2
51	107622	BLOCK MTG NYLATRON HOLD DOWN	REF	REF	REF	REF
52	107732	DOCK LIFT ARM WLDMT	1	1	1	1
53	108705	SCREW, HEX, 3/4-10UNCX1-1/2 GR8	8	8	8	8
54	108746	BRACKET, MUD FLAP 930	2	2	2	2
54	223259	BRACKET, MUD FLAP 930 GALV	2	2	2	2
55	108749	SHIM, NYLATRON BLOCK 930	REF	REF	REF	REF
56	109120	BUMPER ARM WLDMT 15 FT. TAIL	REF	REF	REF	REF
57	109138	NYLATRON HOLD DOWN BLOCK	REF	REF	REF	REF
58	109158	BEARING CAST BUMPER PIVOT	8	8	8	8
59	109207	SCREW, HEX CAP 3/8-16UNC X 5-1/2 FULL THRD	2	2	2	2
60	109524	BUMPER WLDMT 930 LONG TAIL	REF	REF	REF	REF
61	110649	BUMPER ARM WLDMT 14 FT TAIL	REF	REF	REF	REF
62	114562	BUSHING MACHINERY HARDENED	2	2	2	2
63	116324	PLUG, PLASTIC PANEL, 1-5/16 - 1-7/16	4	4	4	4
64	135613	ROLLER 4 IN. ASSEMBLY CONNEX	2	2	2	2
65	135615	PIN, ROLLERS, REAR 930 U/C	2	2	2	2
66	142457	PIN SPRING 930 BUMPER	2	2	2	2
67	171892	SCEW, HX CP, 5/8-11UNCX9, GR5	4	4	4	4
68	189320	SUPPORT, E-CHAIN, 18 LINKS, 3838	1	1	1	1
69	190701	BRACKET, WLDMT, E-CHAIN LH	1	1	1	1
70	190706	BRACKET, WLDMT, E-CHAIN RH	1	1	1	1
71	216230	MOUNT, WLDMT, MUD FLAP S/T/T	2	2	2	2
72	216805	ROD WLDMT SPG TNSN BMPR LNG	2	2	2	2
73	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE	.05	.05	.05	.05
74	190700ZP	BRACKET, E-CHAIN LH	1	1	1	1
75	190705ZP	BRACKET, E-CHAIN RH	1	1	1	1
76	213333	PLUG SPINDLE END (AXLE CAPS, NOT SHOWN)	REF	REF	REF	REF
77	213295	LIGHT, S/T/T RED CLEAR LENS GROTE	REF	REF	REF	REF
78	213296	FLANGE, CHROME FLAT OBLONG	REF	REF	REF	REF
79	113562	FRAME WELDMNT, U/C, 930	1	1	1	1

General Items - 930E

ITEM	PART NUMBER	DESCRIPTION	QTY.			
80	103817	CLAMP, HOSE	5	5	5	5
81	184138	RIVET, BLIND .187 x 3/16 GRIP	2	2	2	2
82	1-654-010051-15	SCREW HXCP 3/8-16UNCX3-1/2 G5	8	8	8	8

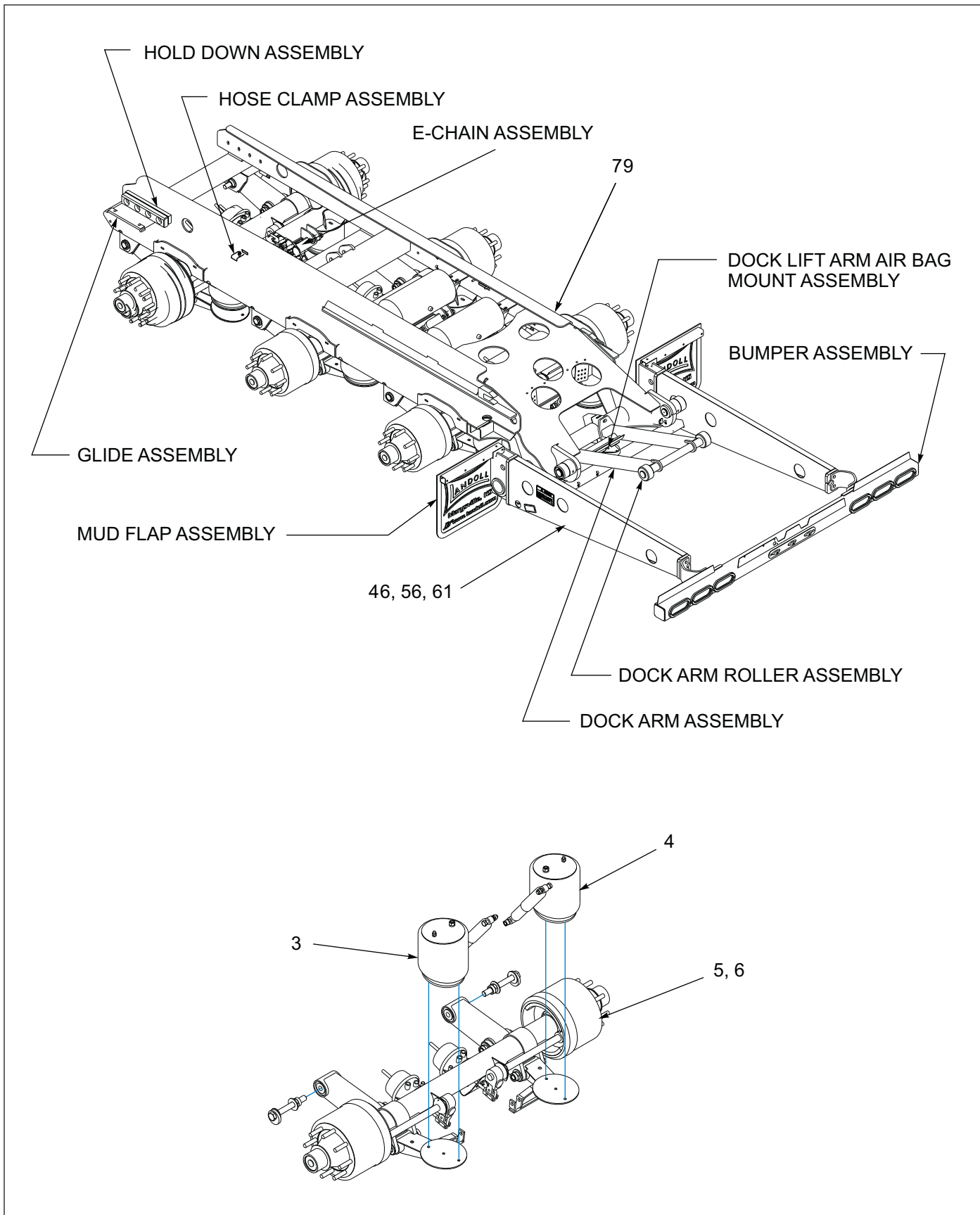
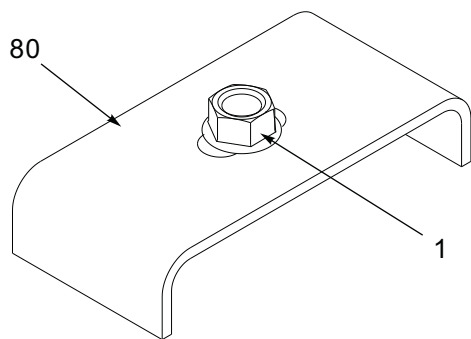
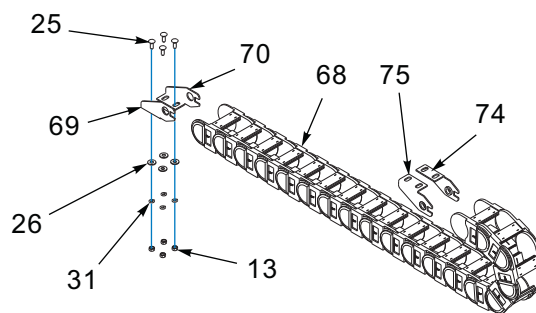


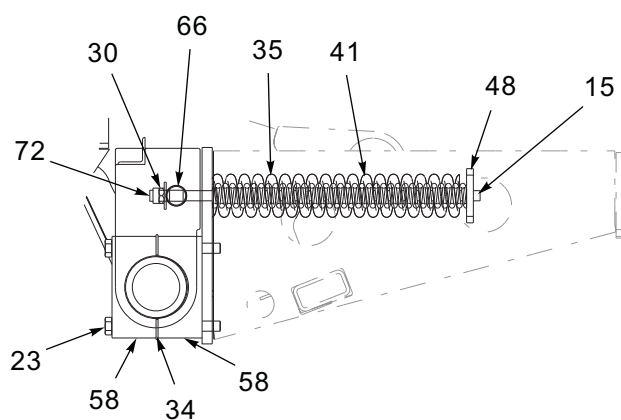
Figure 1-29: General Items - 950E (1 of 3)



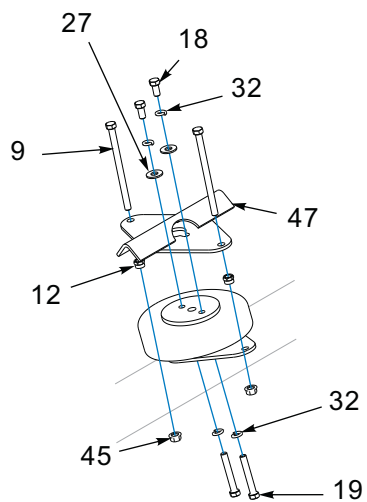
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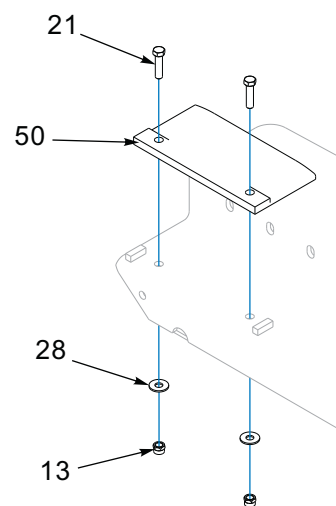
E-CHAIN ASSEMBLY



TAIL ASSEMBLY



**DOCK LIFT ARM
AIR BAG MOUNT ASSEMBLY**



GLIDE ASSEMBLY

Figure 1-30: General Items - 950E (2 of 3)

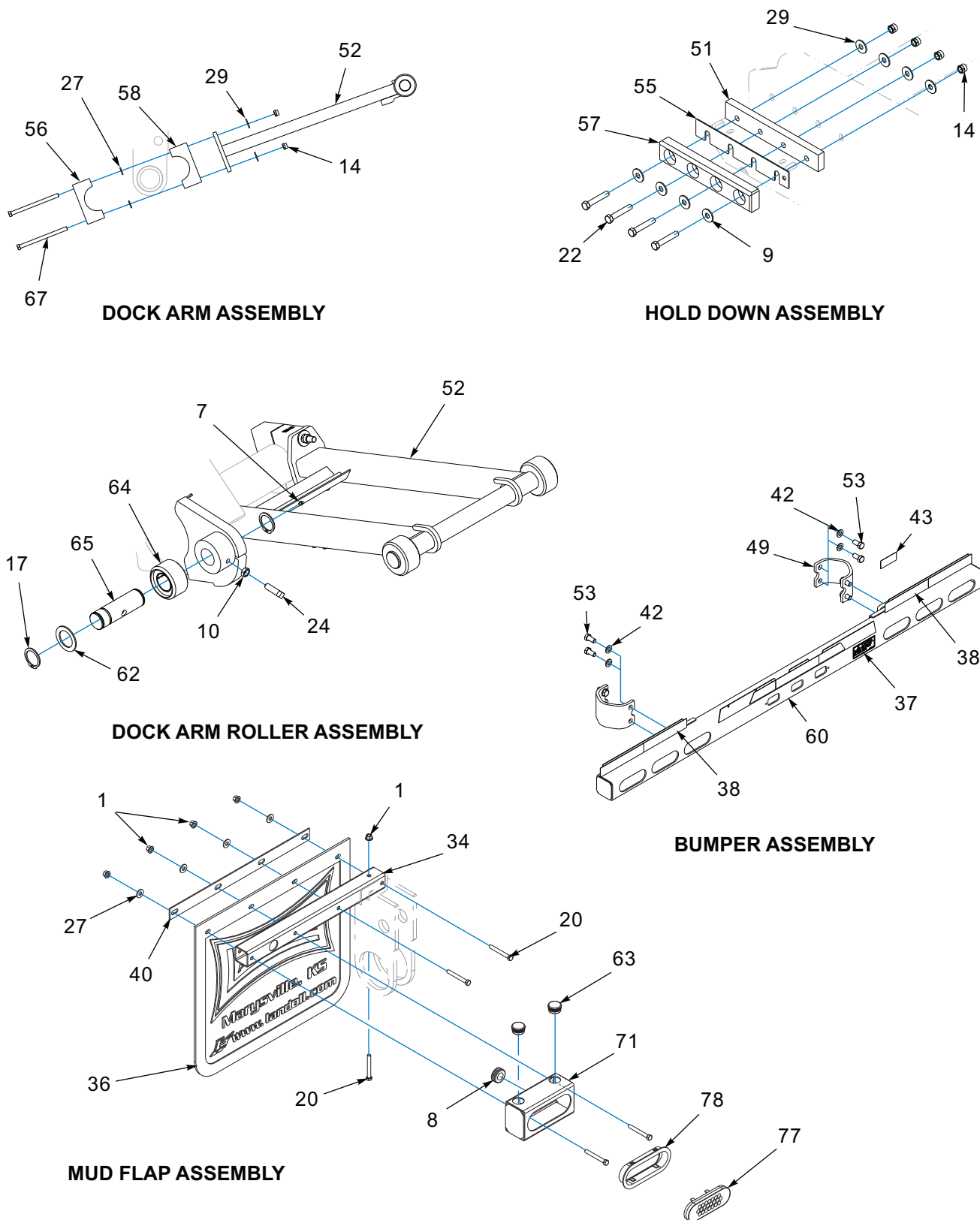


Figure 1-31: General Items - 950E (3 of 3)

General Items - 950E

ITEM	PART NUMBER	DESCRIPTION	QTY.			
	215086	SUSP 950E-12, 2512-77 (REF. ONLY)	*		*	
	215087	SUSP 950E-12, 2516-75 (REF. ONLY)		*		*
	215088	SUSP 950E-14, 2512-77 (REF. ONLY)	*		*	
	215089	SUSP 950E-14, 2516-75 (REF. ONLY)		*		*
	215090	SUSP 950E-15, 2512-77 (REF. ONLY)	*		*	
	215091	SUSP 950E-15, 2516-75 (REF. ONLY)		*		*
	215093	SUSP 950E-12, 2512-77, TIS (REF. ONLY)	*		*	
	215094	SUSP 950E-12, 2516-75, TIS (REF. ONLY)		*		*
	215095	SUSP 950E-14, 2512-77, TIS (REF. ONLY)	*		*	
	215096	SUSP 950E-14, 2516-75, TIS (REF. ONLY)		*		*
	215097	SUSP 950E-15, 2512-77, TIS (REF. ONLY)	*		*	
	215098	SUSP 950E-15, 2516-75, TIS (REF. ONLY)		*		*
1	1-510-010001	NUT, 3/8-16 UNC FLANGE LOCK	15	15	15	15
2	1-843-010014	VALVE EXT STEM (NON-TIS SYSTEM ONLY)	4	4	4	4
3	102363	SUSPENSION, ADJ RLU 228-3.5	2	--	2	--
4	102364	SUSPENSION, ADJ RLU 228-5.5	--	2	--	2
5	115747	AXLE WLDMT 2512 SPG 77, 39.5	2	--	2	--
6	115749	AXLE WLDMT 2516 SPG 75, 39.5	--	2	--	2
7	1-298-010001-1	FITTING, GREASE 1/4-28 STR SHORT	2	2	2	--
8	1-343-010006	GROMMET 7/8IDX1/4GWX1-1/4GD	REF	REF	REF	REF
9	1-394-010001	HOSE ABRASION SLEEVE X 2 IN.	2	2	2	2
10	1-511-010001-07	NUT, HEX JAM, 5/8-11	2	2	2	2
11	1-512-010005-01	NUT, HEX, SLFLKG, 1/4-20 UNC, GRB	2	2	2	2
12	1-512-010005-05	NUT, HEX, SLFLKG, 3/8-16 UNC, GRB	2	2	2	2
13	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 UNC, GRB	4	4	4	4
14	1-512-010005-13	NUT, HEX, SLFLKG, 5/8-11 UNC, GRB	4	4	4	4
15	1-512-010005-15	NUT, HEX, SLFLKG, 3/4-10 UNC, GRB (BEFORE 04/27/2020)	2	2	2	2
15	1-512-010002-15	NUT, HEX SLFLKG 3/4-10 GRC (AFTER 04/27/2020)	2	2	2	2
16	1-512-010007-05	NUT, HEX, 1/4-20 UNC, GR2	4	4	4	4
17	1-630-010021-02	RING RETAINING 2 HD	4	4	4	4
18	1-654-010051-03	SCREW, HEX, 3/8-16UNCX3/4 GR5	2	2	2	2
19	1-654-010051-11	SCREW, HEX, 3/8-16UNCX2-1/2 GR5	2	2	2	2
20	1-654-010051-13	SCREW, HEX, 3/8-16UNCX3 GR5	10	10	10	10
21	1-654-010055-05	SCREW, HEX, 1/2-13UNCX2 GR5	4	4	4	4
22	1-654-010059-11	SCREW, HEX, 5/8-11UNCX3-1/2 GR5	REF	REF	REF	REF
23	1-654-010061-21	SCREW, HEX, 3/4-10UNCX8 GR5	4	4	4	4
24	1-654-010150-05	SCREW, SET, 5/8-11UNCX3-1/2 GR5	2	2	2	2
25	1-654-010158-1	SCREW, RDH, SQ NCK, 1/4-20X3/4	6	6	6	6
26	1-861-010032-07	WASHER, FLAT, ZP/CD, 1/4W	4	4	4	4
27	1-861-010032-11	WASHER, FLAT, ZP/CD, 3/8W	10	10	10	10
28	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	4	4	4	4
29	1-861-010032-19	WASHER, FLAT, ZP/CD, 5/8W	4	4	4	4
30	1-861-010032-21	WASHER, FLAT, ZP/CD, 3/4W (BEFORE 04/27/2020)	2	2	2	2
30	622-3511-008	WASHER, FLAT 3/4 MIL-CARB SAE (AFTER 04/27/2020)	2	2	2	2
31	1-861-010034-09	WASHER, LKG, HLCL SPR, 1/4	4	4	4	4
32	1-861-010034-11	WASHER, LKG, HLCL SPR, 3/8	4	4	4	4

General Items - 950E

ITEM	PART NUMBER	DESCRIPTION	QTY.			
33	2-684-010001	SHIM, ROCKSHAFT BEARING	4	4	4	4
34	2-684-010045	SHIM, ROCKSHAFT BEARING 3/4 IN.	4	4	4	4
35	2-720-010008	SPRING, SPRING CLAMP	2	2	2	2
36	3-485-010001	MUD FLAP 21 IN.	2	2	2	2
37	3-573-010031	DECAL, BUMPER	1	1	1	1
38	3-573-010377	DECAL, 2 IN, REFLECTIVE TAPE RED/WHITE	84	84	84	84
39	3-720-010042	SUSPENSION, AIR BAG	1	1	1	1
40	3-762-010017	CLAMP, MUD FLAP	2	2	2	2
41	8-720-010013	SPRING COMPRESSION	2	2	2	2
42	622-3511-008	WASHER, FLAT 3/4 MIL/-CARB FL SAE	8	8	8	8
43	103055	DECAL ENERGY BUMPER	1	1	1	1
44	103056	DECAL, ENERGY WARNING BUMPER	1	1	1	1
45	107470	NUT, FLG HD, SPIRALOCK, 3/8-16 UNC	2	2	2	2
46	107582	BUMPER ARM WLDMT 12FT TAIL	REF	REF	REF	REF
47	107588	PLATE WLDMT LIFT GUIDING	1	1	1	1
48	107592	PLATE SPG TENSION	2	2	2	2
49	107594	MOUNT, BUMPER ENERGY PAK	2	2	2	2
50	107621	GLIDE, U/C 930	2	2	2	2
51	107622	BLOCK MTG NYLATRON HOLD DOWN	REF	REF	REF	REF
52	107732	DOCK LIFT ARM WLDMT	1	1	1	1
53	108705	SCREW, HEX, 3/4-10UNCX1-1/2 GR8	8	8	8	8
54	108746	BRACKET, MUD FLAP 930	2	2	2	2
55	108749	SHIM, NYLATRON BLOCK 930	REF	REF	REF	REF
56	109120	BUMPER ARM WLDMT 15 FT. TAIL	REF	REF	REF	REF
57	109138	NYLATRON HOLD DOWN BLOCK	REF	REF	REF	REF
58	109158	BEARING CAST BUMPER PIVOT	8	8	8	8
59	109207	SCREW, HEX CAP 3/8-16UNC X 5-1/2 FULL THRD	2	2	2	2
60	109524	BUMPER WLDMT 930 LONG TAIL	REF	REF	REF	REF
61	110649	BUMPER ARM WLDMT 14 FT TAIL	REF	REF	REF	REF
62	114562	BUSHING MACHINERY HARDENED	2	2	2	2
63	116324	PLUG, PLASTIC PANEL, 1-5/16 - 1-7/16	4	4	4	4
64	135613	ROLLER 4 IN. ASSEMBLY CONNEX	2	2	2	2
65	135615	PIN, ROLLERS, REAR 930 U/C	2	2	2	2
66	142457	PIN SPRING 930 BUMPER	2	2	2	2
67	171892	SCEW, HX CP, 5/8-11UNCX9, GR5	4	4	4	4
68	189320	SUPPORT, E-CHAIN, 18 LINKS, 3838	1	1	1	1
69	190701	BRACKET, WLDMT, E-CHAIN LH	1	1	1	1
70	190706	BRACKET, WLDMT, E-CHAIN RH	1	1	1	1
71	216230	MOUNT, WLDMT, MUD FLAP S/T/T	2	2	2	2
72	216805	ROD WLDMT SPG TNSN BMPR LNG	2	2	2	2
73	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE	.05	.05	.05	.05
74	190700ZP	BRACKET, E-CHAIN LH	1	1	1	1
75	190705ZP	BRACKET, E-CHAIN RH	1	1	1	1
76	213333	PLUG SPINDLE END (AXLE CAPS, NOT SHOWN)	REF	REF	REF	REF
77	213295	LIGHT, S/T/T RED CLEAR LENS GROTE	REF	REF	REF	REF
78	213296	FLANGE, CHROME FLAT OBLONG	REF	REF	REF	REF
79	117844	FRAME WELDMENT, U/C, 950	1	1	1	1
80	103817	CLAMP, HOSE	5	5	5	5

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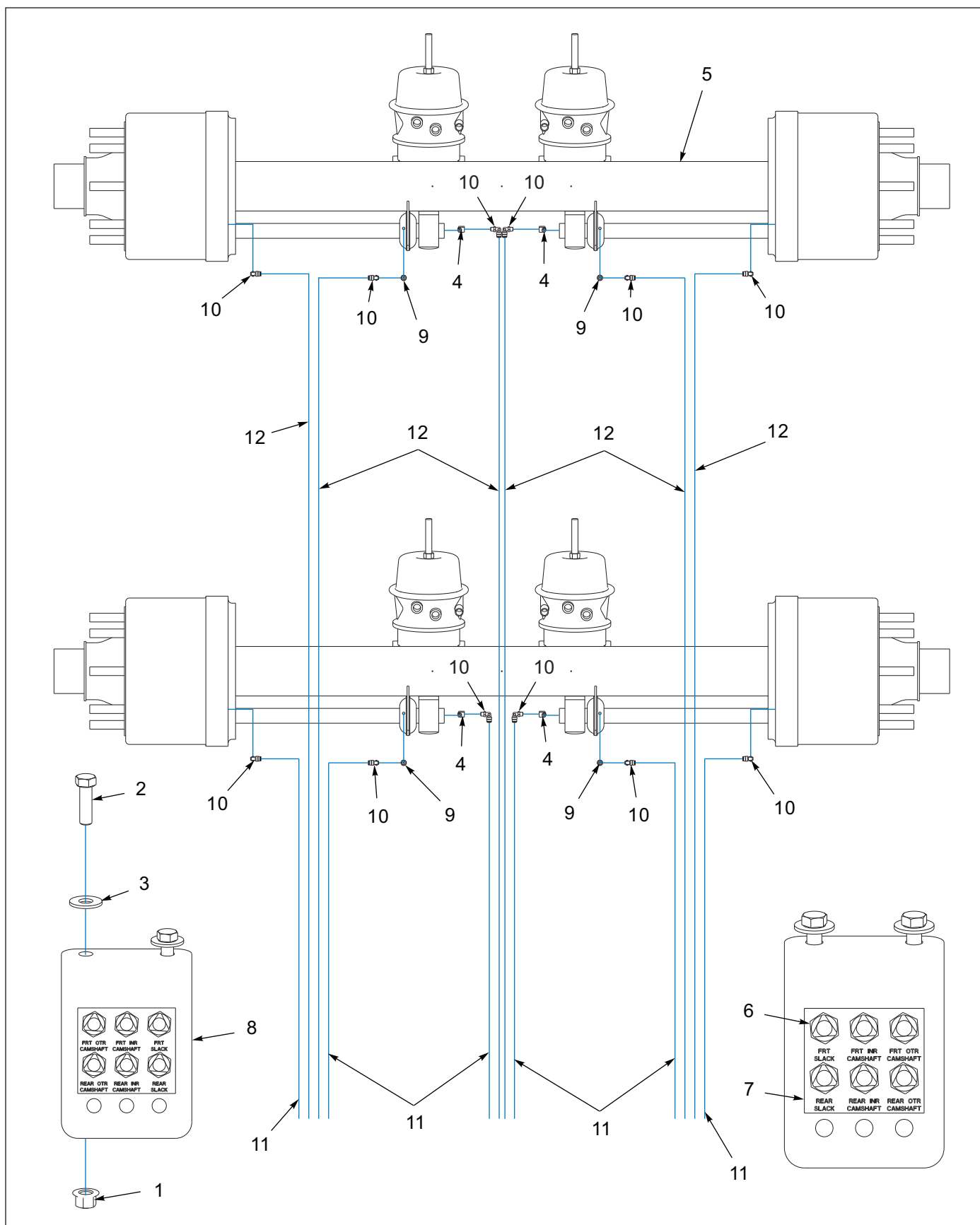


Figure 1-32: Grease System, 2 Axle (Before 11/07/2018)

Grease System, 2 Axle (Before 11/07/2018)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP ASSY 930E-12 2512-77	--
	214500	SUSP ASSY 930E-12 2516-75	--
	215051	SUSP ASSY 930E-14 2512-77	--
	215052	SUSP ASSY 930E-14 2516-75	--
	215053	SUSP ASSY 930E-15 2512-77	--
	215054	SUSP ASSY 930E-15 2516-75	--
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	4
2	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	4
3	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
4	101528	ELBOW,BRASS PIPE STREET	4
5	115747	AXLE WLDMT 2512SPG 77X39.5 TIS	--
6	142545	NUT 7/16 FOR BULKHEAD	12
7	142553	DECAL, GREASE TRL U/C	2
8	143649	BRACKET BULKHEAD GREASE LINE	2
9	202094	ADAPTER 5/16--18X1/8NPT(F)	4
10	202099	FITTING GREASE 90 SWIV PTC 1/8	12
11	202103	HOSE ASSY GREASE 1/8 X 45	6
12	202111	HOSE ASSY GREASE 1/8 X 102	6

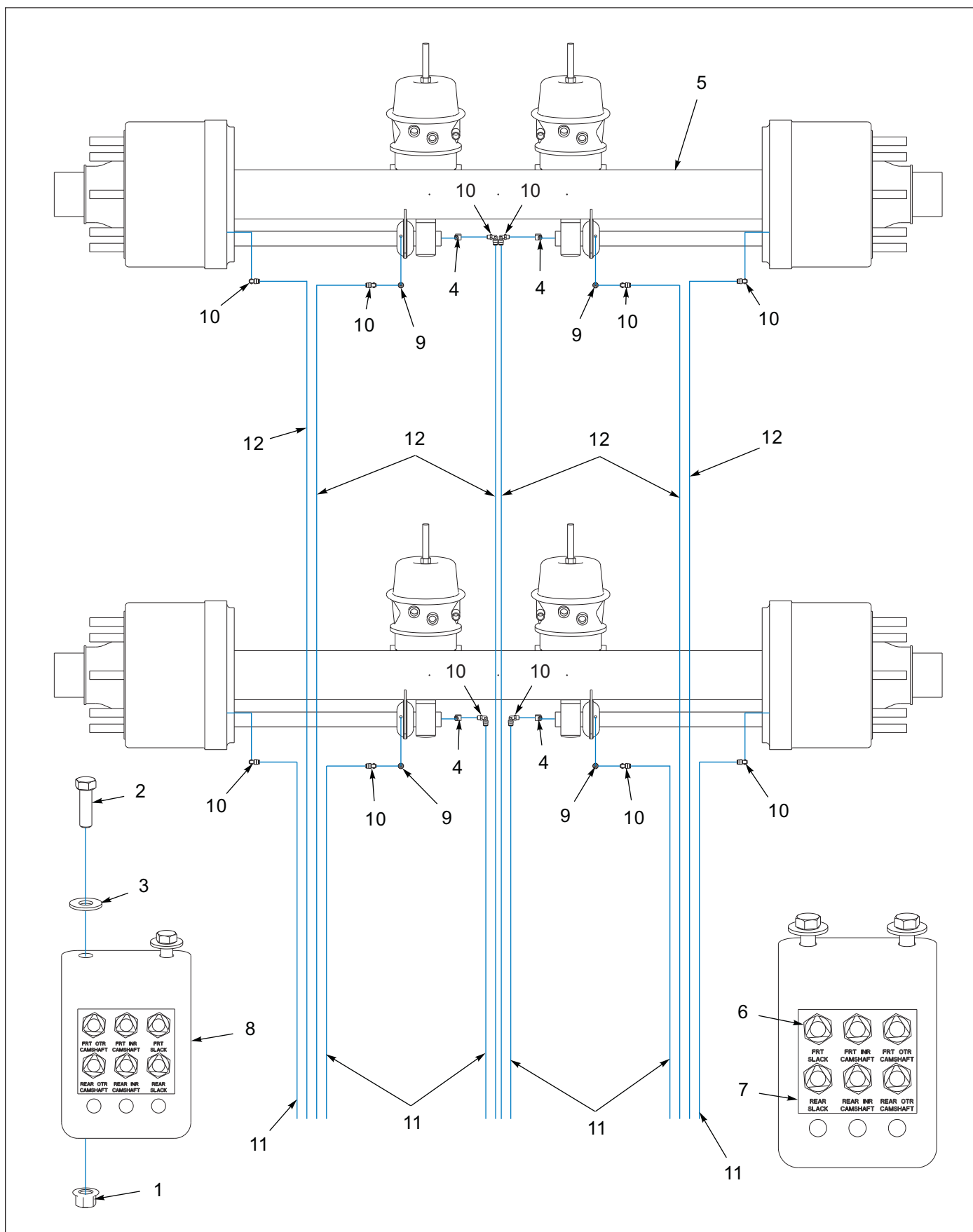


Figure 1-33: Grease System, 2 Axle (After 11/07/2018 - Before 08/31/2020)

Grease System, 2 Axle (After 11/07/2018 - Before 08/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY
	214499	SUSP ASSY 930E-12 2512-77	--
	214500	SUSP ASSY 930E-12 2516-75	--
	215051	SUSP ASSY 930E-14 2512-77	--
	215052	SUSP ASSY 930E-14 2516-75	--
	215053	SUSP ASSY 930E-15 2512-77	--
	215054	SUSP ASSY 930E-15 2516-75	--
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	4
2	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	4
3	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
4	101528	ELBOW,BRASS PIPE STREET	4
5	115747	AXLE WLDMT 2512SPG 77X39.5 TIS	--
6	142545	NUT 7/16 FOR BULKHEAD	12
7	142553	DECAL, GREASE TRL U/C	2
8	143649	BRACKET BULKHEAD GREASE LINE	2
9	202094	ADAPTER 5/16--18X1/8NPT(F)	4
10	202099	FITTING GREASE 90 SWIV PTC 1/8	8
11	202103	HOSE ASSY GREASE 1/8 X 45	6
12	202111	HOSE ASSY GREASE 1/8 X 102	6
13	216599	FITTING,GREASE 1/4 TUBE X 1/8	4

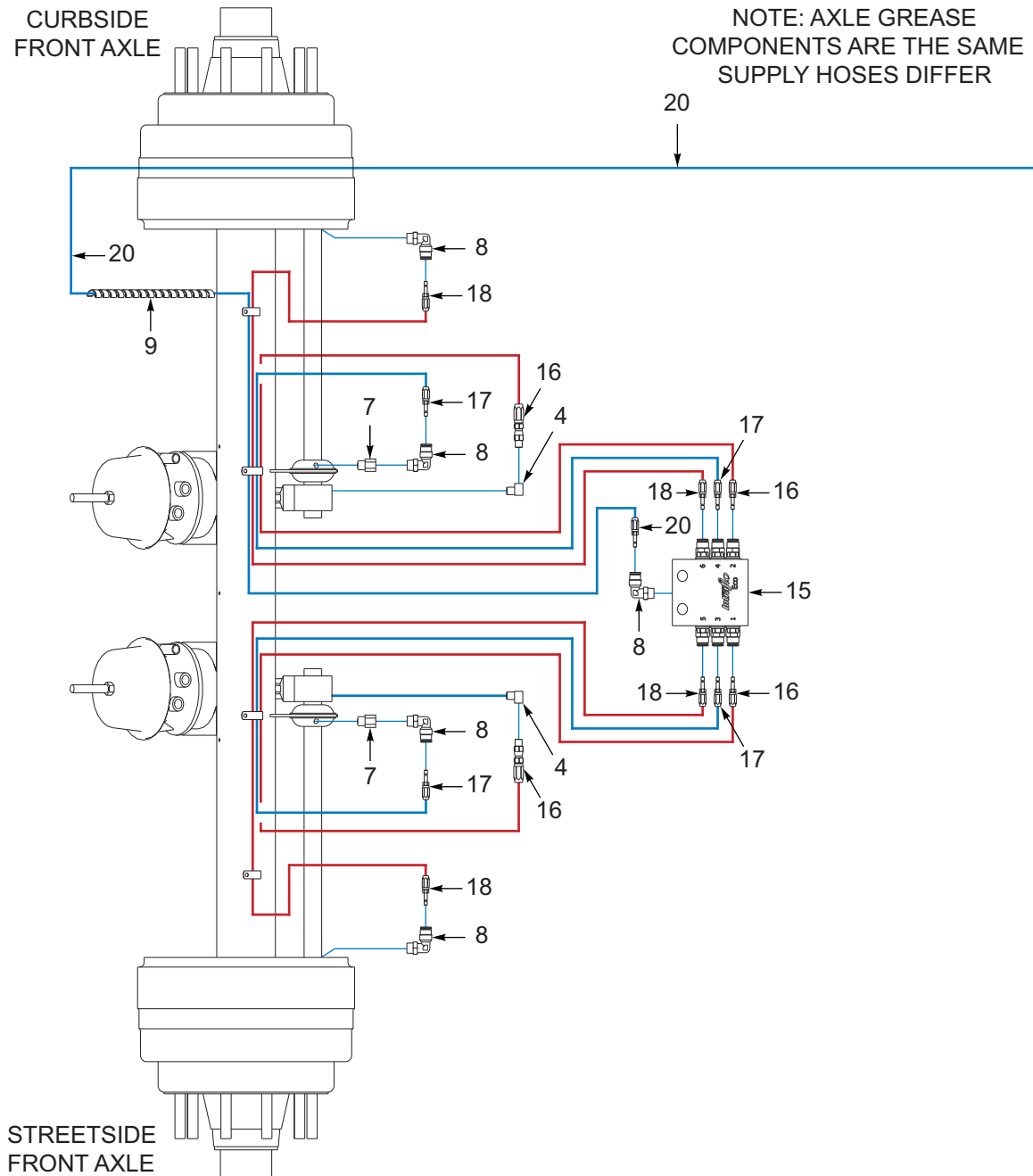


Figure 1-34: Grease System, 2 Axle (After 08/31/2020) (1 of 3)

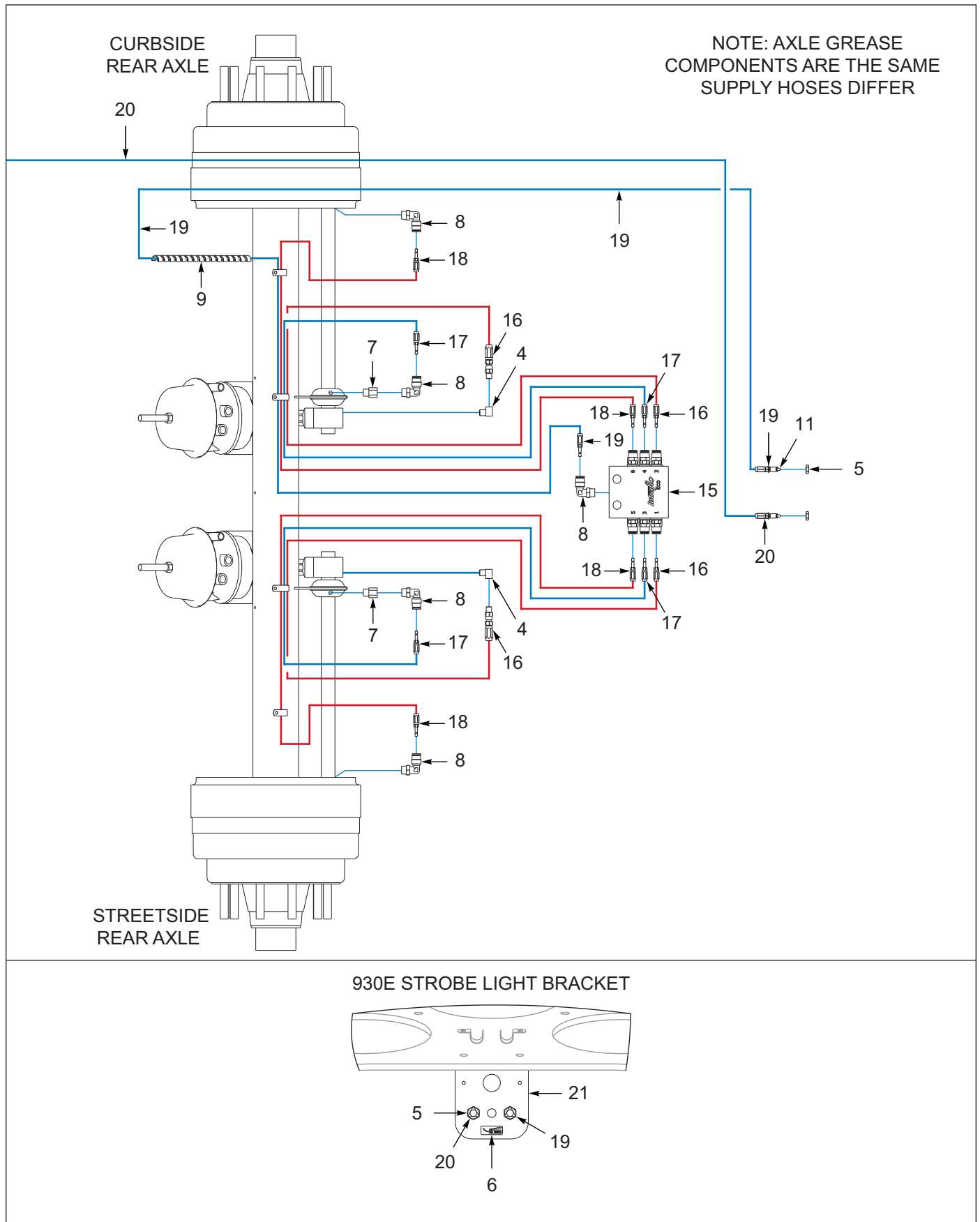


Figure 1-35: Grease System, 2 Axle (After 08/31/2020) (2 of 3)

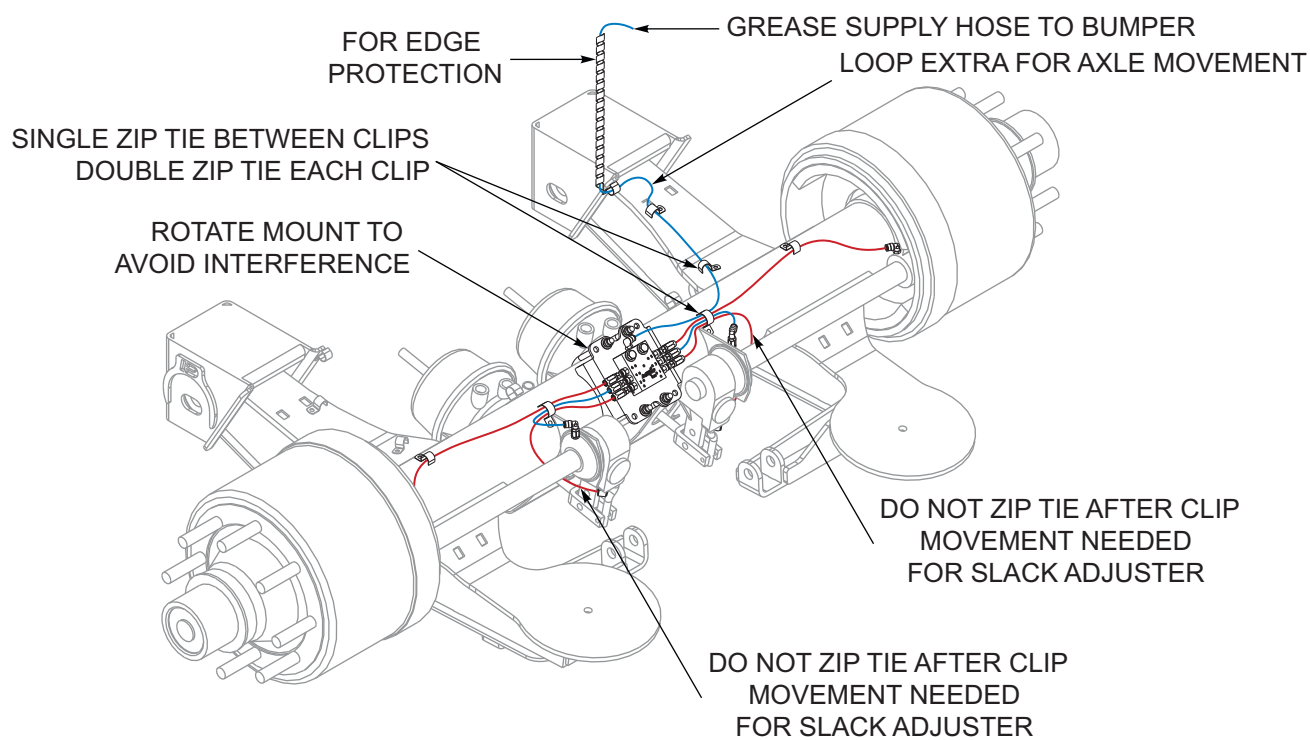
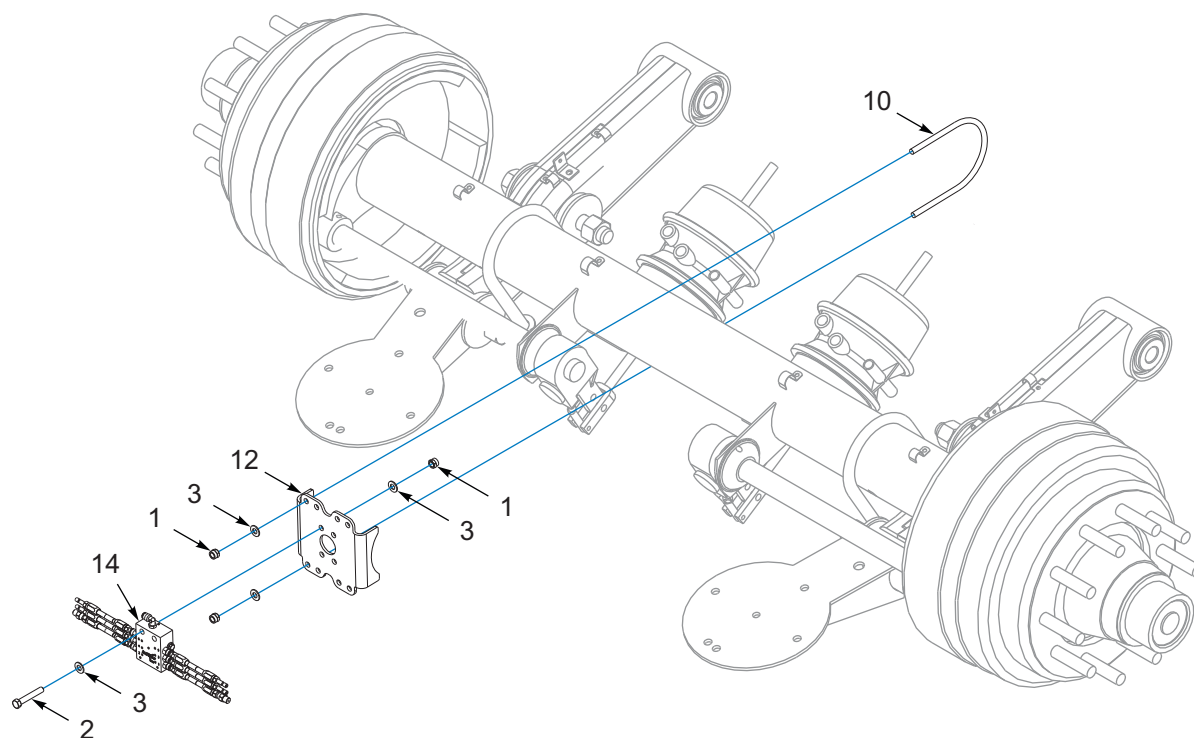


Figure 1-36: Grease System, 2 Axle (After 08/31/2020) (3 of 3)

Grease System, 2 Axle (After 08/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP ASSY 930E-12 2512-77 (12', 14', 15')	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (QTY PER AXLE)	6
2	1-654-010051-10	SCREW,HX CP3/8-16X2-1/4 GR5 (QTY PER AXLE)	2
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD (QTY PER AXLE)	8
4	101528	ELBOW,BRASS PIPE STREET (QTY PER AXLE)	2
5	142545	NUT 7/16 FOR BULKHEAD (QTY PER AXLE)	1
6	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
7	202094	ADAPTER 5/16--18X1/8NPT(F) (QTY PER AXLE)	2
8	202099	FITTING GREASE 90 SWIV PTC 1/8 (QTY PER AXLE) (KIT 14, VALVE INCLUDES 1 EACH)	4
9	212785	SPIRAL LOOM, 1/2" BLACK (BY THE FOOT) (1 FOOT PER AXLE)	--
10	222479	U-BOLT 3/8-16X5X6-3/4X2" T ZP (QTY PER AXLE)	2
11	224304	ZERK FITTING 1/4 SAE (PART OF ITEMS 19-20, INCLUDES 1 EACH)	--
12	224325	MOUNT BOLT-ON AXLE GREASE VLV (QTY PER AXLE)	1
13	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 (BY THE LB) (NOT SHOWN)	--
14	229177	VALVE AXLE GREASE ASM 22-16-28 (QTY PER AXLE) (KIT INCLUDES ITEMS 8, 15-18)	1
15	224304	VALVE AXLE GREASE DIVIDER	1
16	225770	HOSE ASSY GREAST 1/8" X 22" (PORTS 1 & 2)	2
17	229178	HOSE ASSY GREASE 1/8" X 16" (PORTS 3 & 4)	2
18	229182	HOSE ASSY GREASE 1/8" X 28" (PORTS 5 & 6)	2
19	202111	HOSE ASSY GREASE 1/8 X 102 (REAR AXLE) (INCLUDES ITEM 11, 1 EACH)	1
20	202118	HOSE ASSY GREASE 1/8 X 156 (FRONT AXLE) (INCLUDES ITEM 11, 1 EACH)	1
21	225884	BRACKET U/C STRB/GRSE BULKHEAD	1

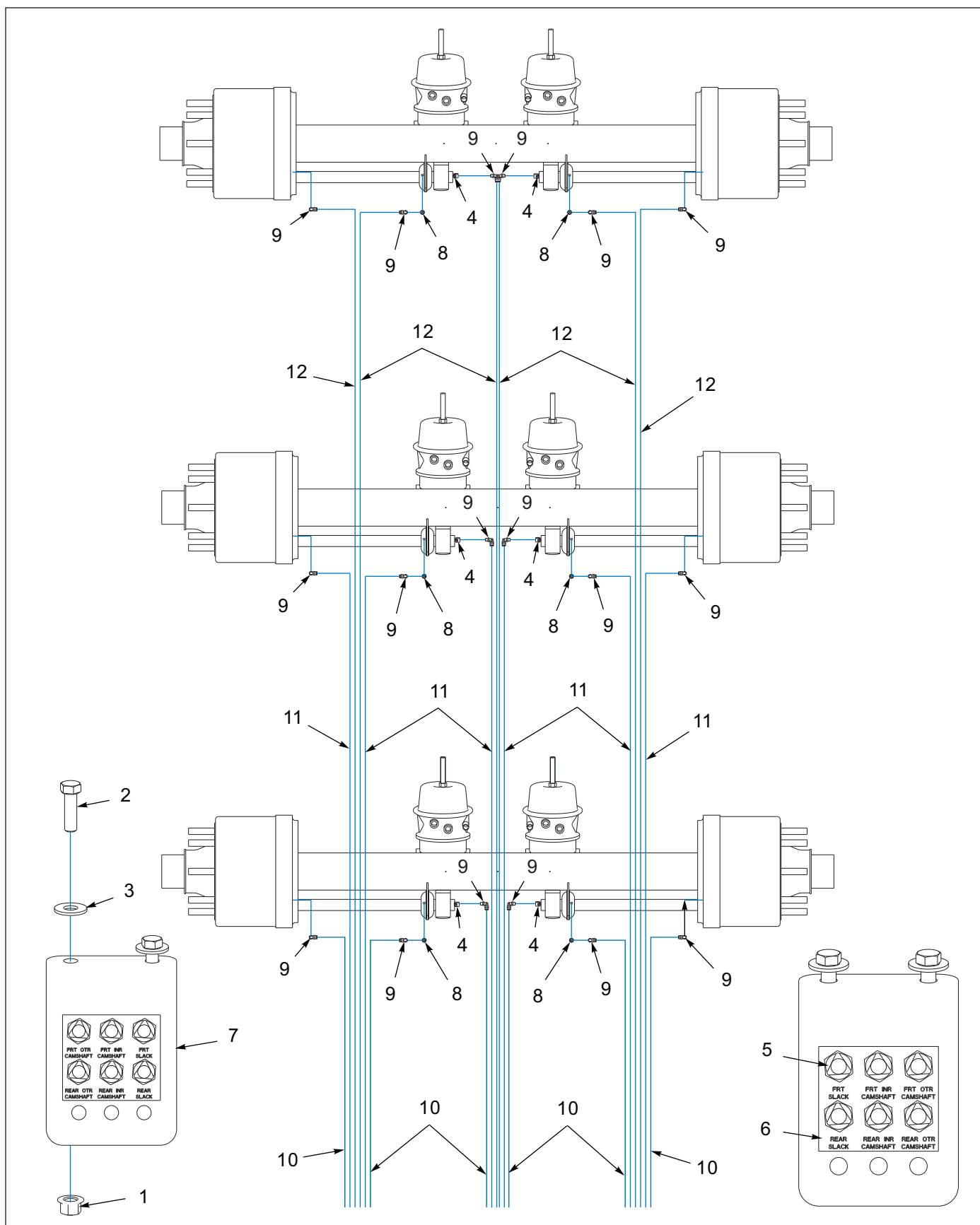


Figure 1-37: Grease System, 3 Axle (Before 11/07/2018)

Grease System, 3 Axle (Before 11/07/2018)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215086	SUSP ASSY 950E-12 2512-77	--
	215087	SUSP ASSY 950E-12 2516-75	--
	215088	SUSP ASSY 950E-14 2512-77	--
	215089	SUSP ASSY 950E-14 2516-75	--
	215090	SUSP ASSY 950E-15 2512-77	--
	215091	SUSP ASSY 950E-15 2516-75	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	4
2	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	4
3	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
4	101528	ELBOW,BRASS PIPE STREET	6
5	142545	NUT 7/16 FOR BULKHEAD	18
6	142553	DECAL, GREASE TRL U/C	2
7	143649	BRACKET BULKHEAD GREASE LINE	2
8	202094	ADAPTER 5/16--18X1/8NPT(F)	6
9	202099	FITTING GREASE 90 SWIV PTC 1/8	18
10	202103	HOSE ASSY GREASE 1/8 X 45	6
11	202111	HOSE ASSY GREASE 1/8 X 102	6
12	202119	HOSE ASSY GREASE 1/8 X 162	6
13	43028	HOSE WRAP AEROQUIP 3/8 (NOT SHOWN)	1

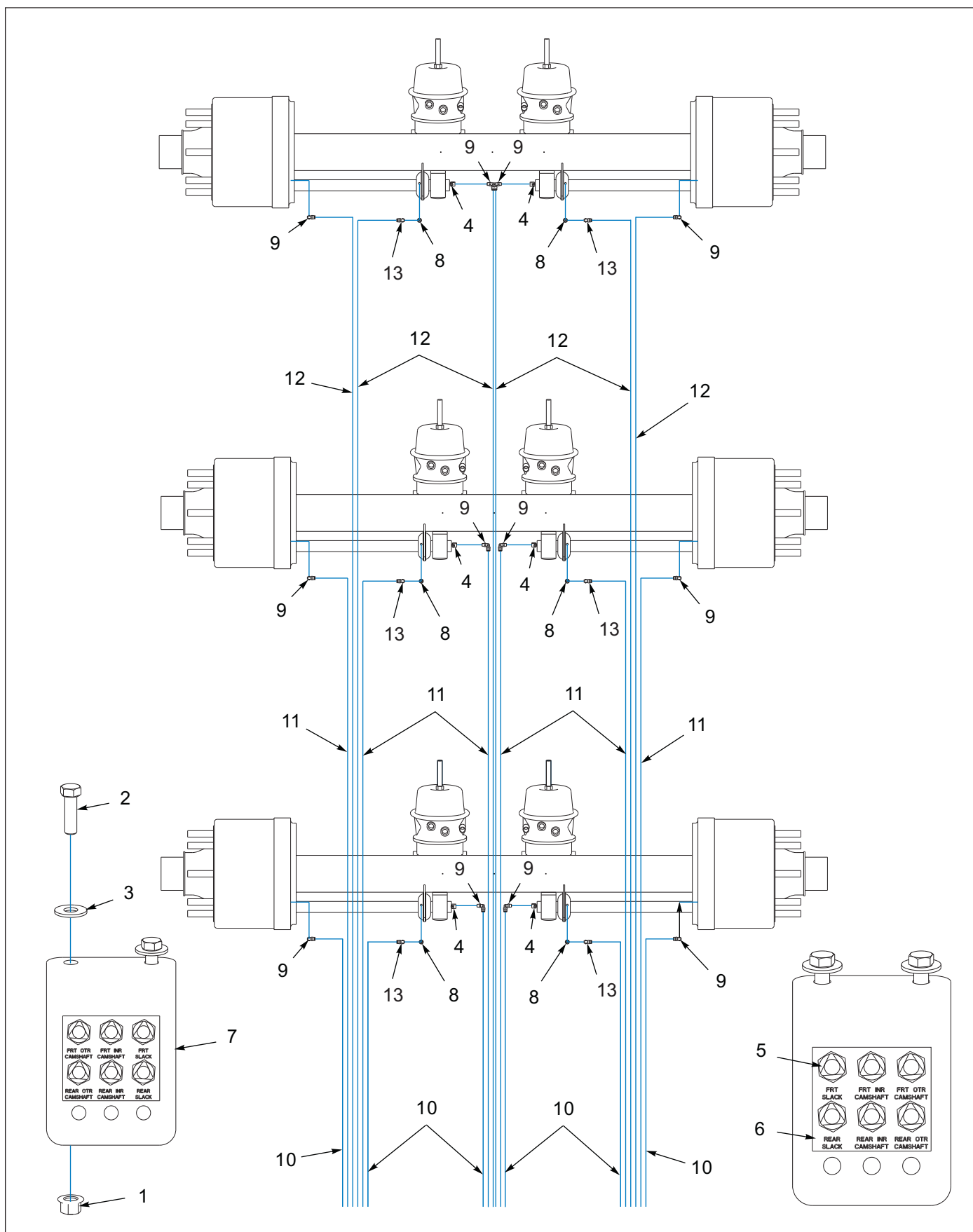
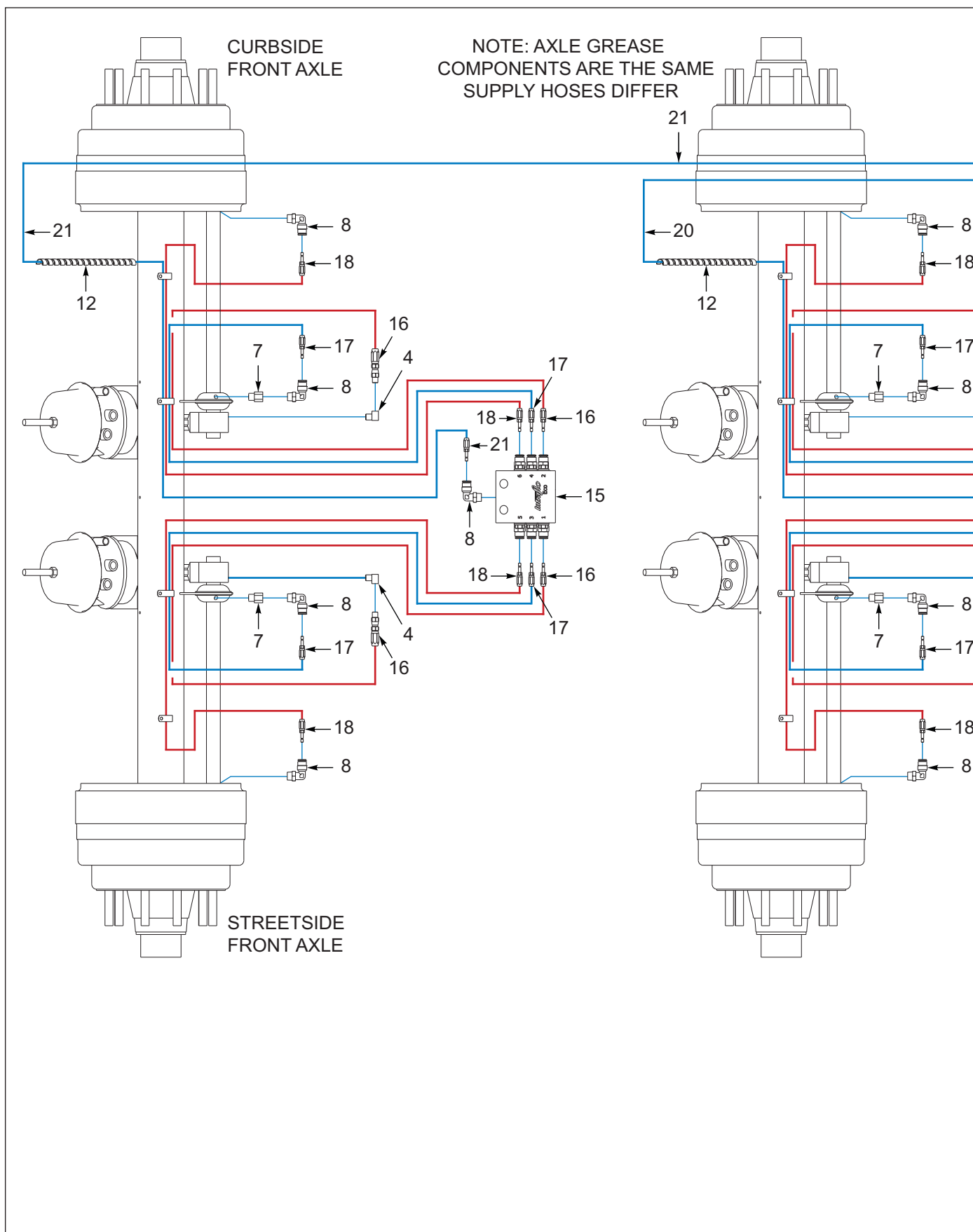


Figure 1-38: Grease System, 3 Axle (After 11/07/2018 - Before 08/31/2020)

Grease System, 3 Axle (After 11/07/2018 - Before 08/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215086	SUSP ASSY 950E-12 2512-77	--
	215087	SUSP ASSY 950E-12 2516-75	--
	215088	SUSP ASSY 950E-14 2512-77	--
	215089	SUSP ASSY 950E-14 2516-75	--
	215090	SUSP ASSY 950E-15 2512-77	--
	215091	SUSP ASSY 950E-15 2516-75	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	4
2	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	4
3	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
4	101528	ELBOW,BRASS PIPE STREET	6
5	142545	NUT 7/16 FOR BULKHEAD	18
6	142553	DECAL, GREASE TRL U/C	2
7	143649	BRACKET BULKHEAD GREASE LINE	2
8	202094	ADAPTER 5/16--18X1/8NPT(F)	6
9	202099	FITTING GREASE 90 SWIV PTC 1/8	12
10	202103	HOSE ASSY GREASE 1/8 X 45	6
11	202111	HOSE ASSY GREASE 1/8 X 102	6
12	202119	HOSE ASSY GREASE 1/8 X 162	6
13	216599	FITTING,GREASE 1/4 TUBE X 1/8	6
14	43028	HOSE WRAP AEROQUIP 3/8 (NOT SHOWN)	1



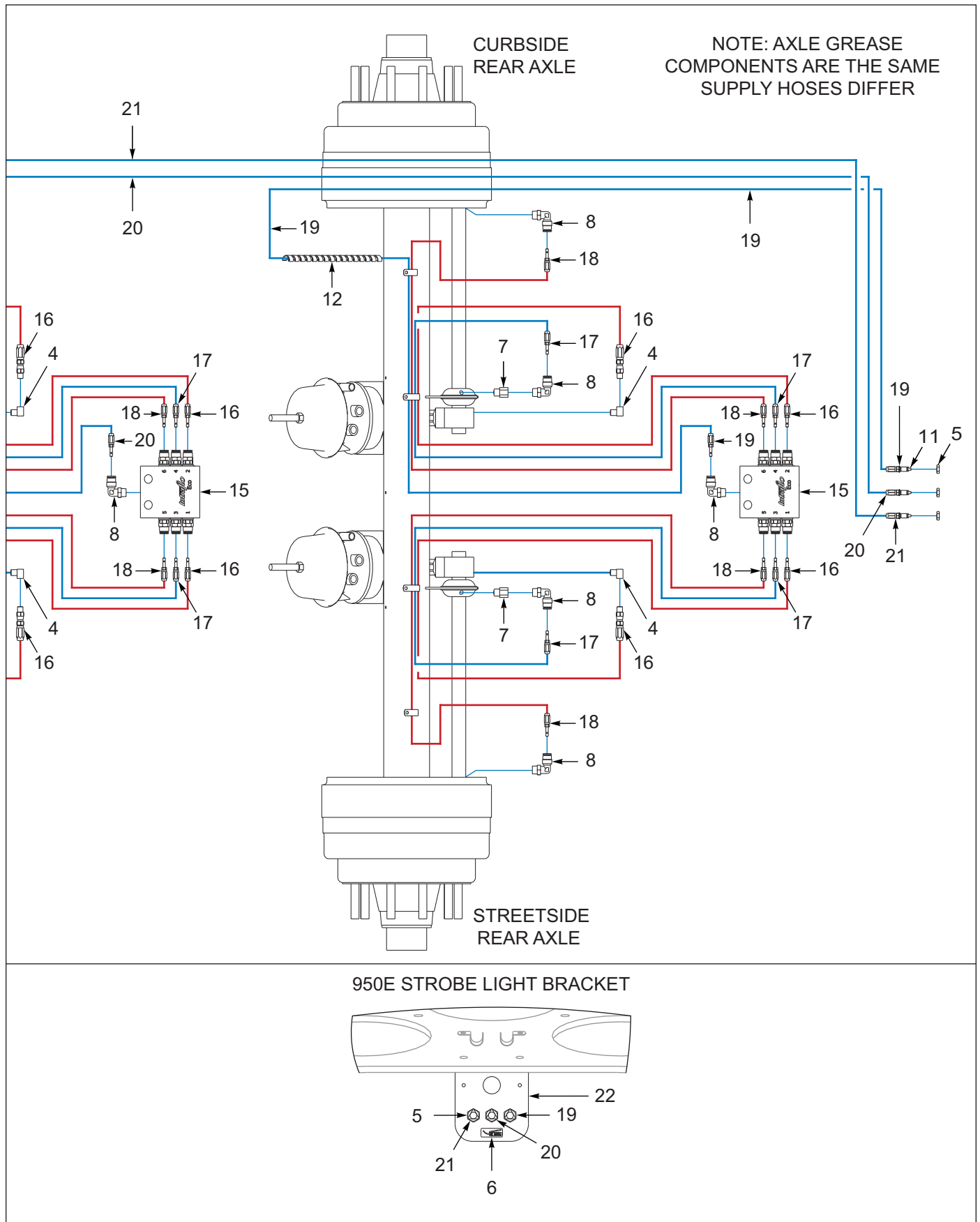


Figure 1-40: Grease System, 3 Axle (After 08/31/2020) (2 of 3)

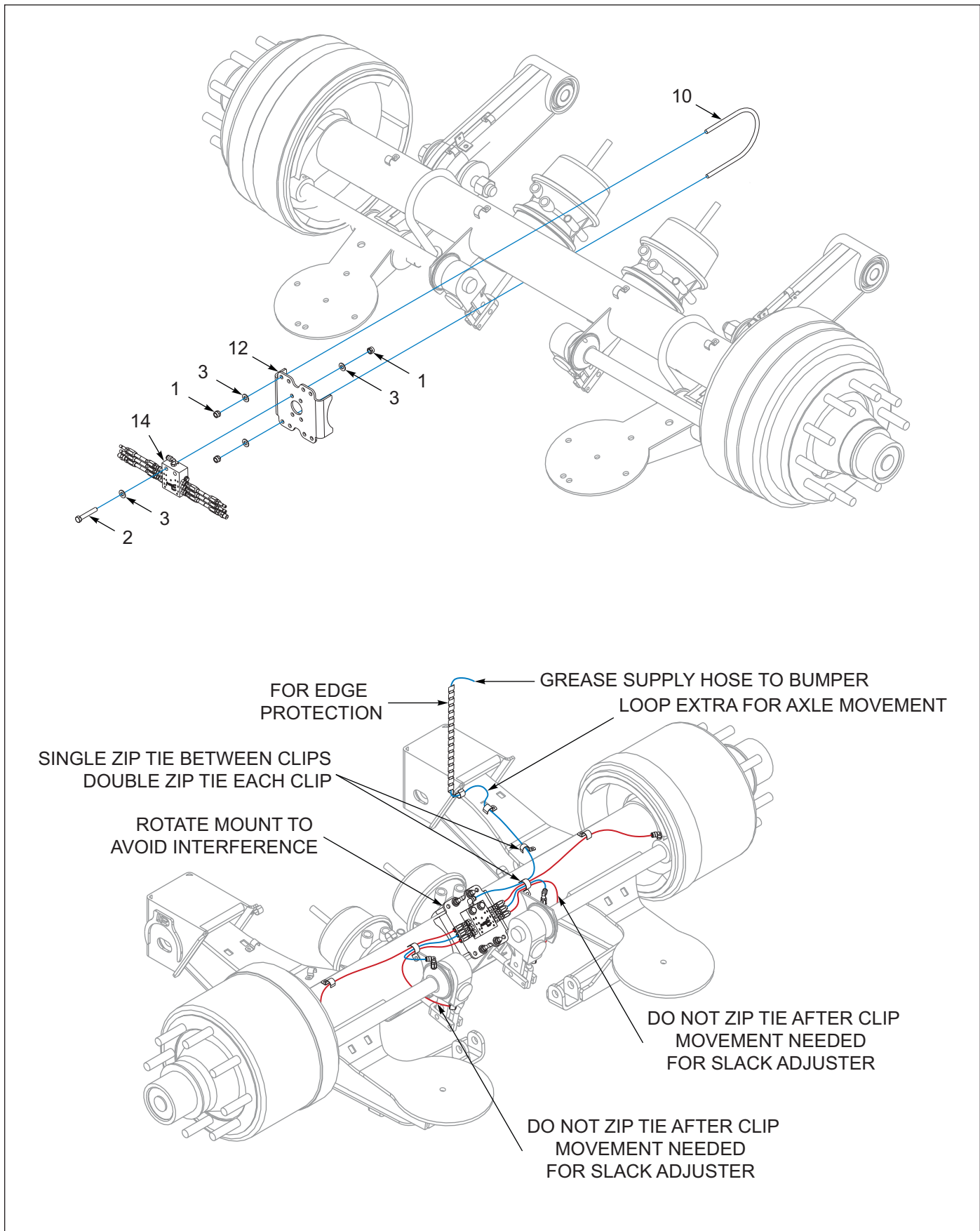


Figure 1-41: Grease System, 3 Axle (After 08/31/2020) (3 of 3)

Grease System, 3 Axle (After 08/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY
	215086	SUSP ASSY 950E-12 2512-77 (12', 14', 15')	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (QTY PER AXLE)	6
2	1-654-010051-10	SCREW, HX CP3/8-16X2-1/4 GR5 (QTY PER AXLE)	2
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD (QTY PER AXLE)	8
4	101528	ELBOW, BRASS PIPE STREET (QTY PER AXLE)	2
5	142545	NUT 7/16 FOR BULKHEAD (QTY PER AXLE)	1
6	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
7	202094	ADAPTER 5/16--18X1/8NPT(F) (QTY PER AXLE)	2
8	202099	FITTING GREASE 90 SWIV PTC 1/8 (QTY PER AXLE) (KIT 14, VALVE INCLUDES 1 EACH)	4
9	212785	SPIRAL LOOM, 1/2" BLACK (BY THE FOOT) (1 FOOT PER AXLE)	--
10	222479	U-BOLT 3/8-16X5X6-3/4X2" T ZP (QTY PER AXLE)	2
11	224304	ZERK FITTING 1/4 SAE (PART OF ITEMS 19-21, INCLUDES 1 EACH)	--
12	224325	MOUNT BOLT-ON AXLE GREASE VLV (QTY PER AXLE)	1
13	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 (BY THE LB) (NOT SHOWN)	--
14	229177	VALVE AXLE GREASE ASM 22-16-28 (QTY PER AXLE) (KIT INCLUDES ITEMS 8, 15-18)	1
15	224304	VALVE AXLE GREASE DIVIDER	1
16	225770	HOSE ASSY GREASE 1/8" X 22" (PORTS 1 & 2)	2
17	229178	HOSE ASSY GREASE 1/8" X 16" (PORTS 3 & 4)	2
18	229182	HOSE ASSY GREASE 1/8" X 28" (PORTS 5 & 6)	2
19	202112	HOSE ASSY GREASE 1/8 X 118 (REAR AXLE) (INCLUDES ITEM 11, 1 EACH)	1
20	202119	HOSE ASSY GREASE 1/8 X 162 (MIDDLE AXLE) (INCLUDES ITEM 11, 1 EACH)	1
21	229181	HOSE ASSY GREASE 1/8 X 210 (FRONT AXLE) (INCLUDES ITEM 11, 1 EACH)	1
22	225884	BRACKET U/C STRB/GRSE BULKHEAD	1

Suspensions

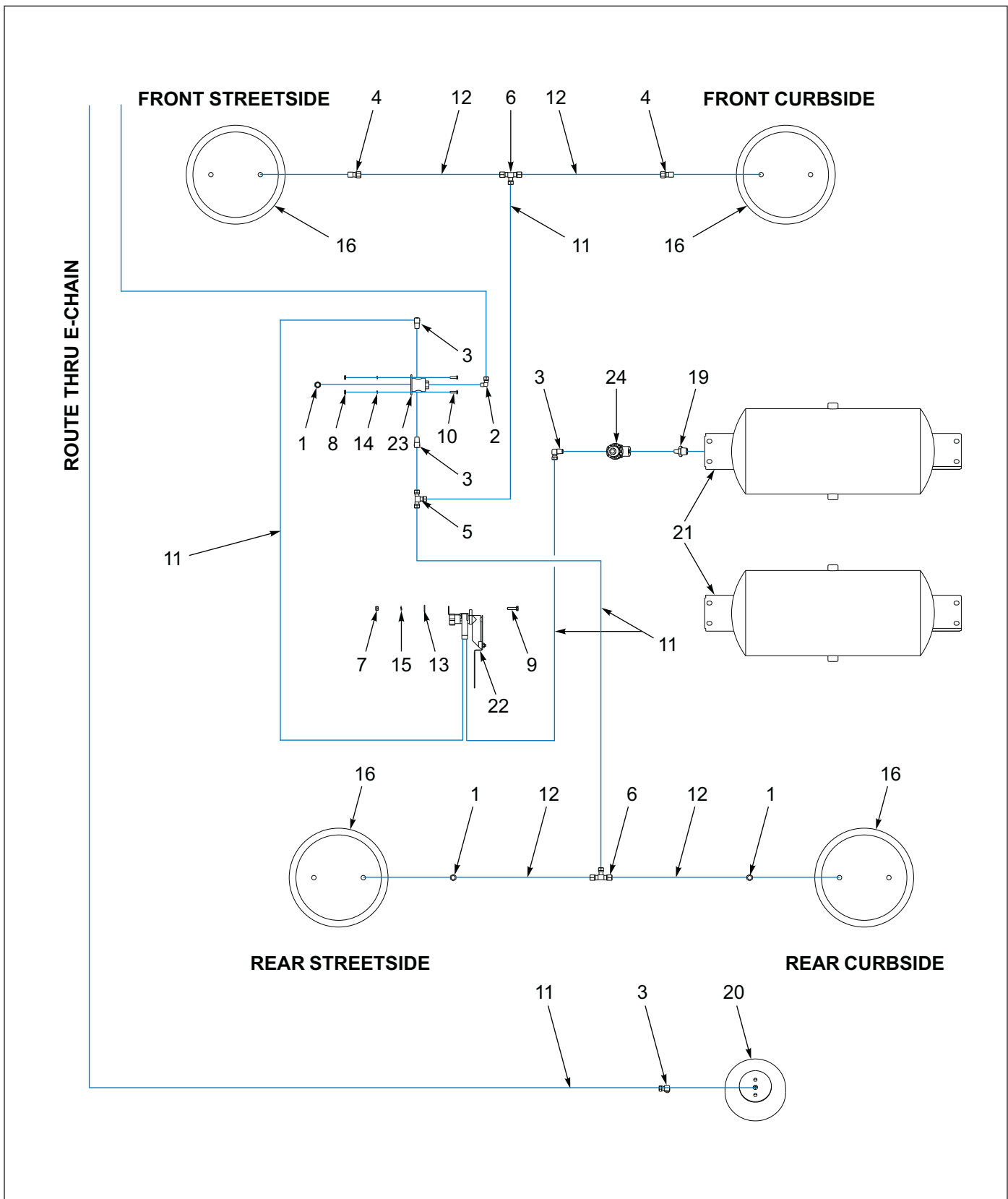


Figure 1-42: 930E-Air Ride Suspension

930E-Air Ride Suspension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP 930E-12, 2512-77 (REF. ONLY)	
	214500	SUSP 930E-12, 2516-75 (REF. ONLY)	
	215051	SUSP 930E-14, 2512-77 (REF. ONLY)	
	215052	SUSP 930E-14, 2516-75 (REF. ONLY)	
	215053	SUSP 930E-15, 2512-77 (REF. ONLY)	
	215054	SUSP 930E-15, 2516-75 (REF. ONLY)	
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	3
2	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	1
3	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	4
4	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	2
5	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
6	1-297-010010-04	FITTING,AIR,UN/TEE3/8X3/8X1/4	2
7	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
8	1-512-010007-03	NUT, HEX 10-24	4
9	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
10	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	4
11	1-833-010001	TUBING NYLON 1/4 OD	65
12	1-833-010002	TUBING NYLON 3/8 OD	6
13	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
14	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10	4
15	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	2
16	102363	SUSPENSION,ADJ RLU-228-3.5 (SEE PAGE 1-79)	REF
17	102732	AIR CONTROL KIT (SEE PAGE 1-76) (NOT SHOWN)	1
18	109177	CONTROL KIT AIR SUSP LOWER (SEE PAGE 1-77) (NOT SHOWN)	1
19	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
20	3-720-010042	SPRING AIR 6-1/2	REF
21	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	REF
22	900 54 007	HEIGHT CONTROL VALVE	REF
23	900-54-079	PILOT VALVE	REF
24	905-54-107	BRAKE PROTECTION VALVE	REF

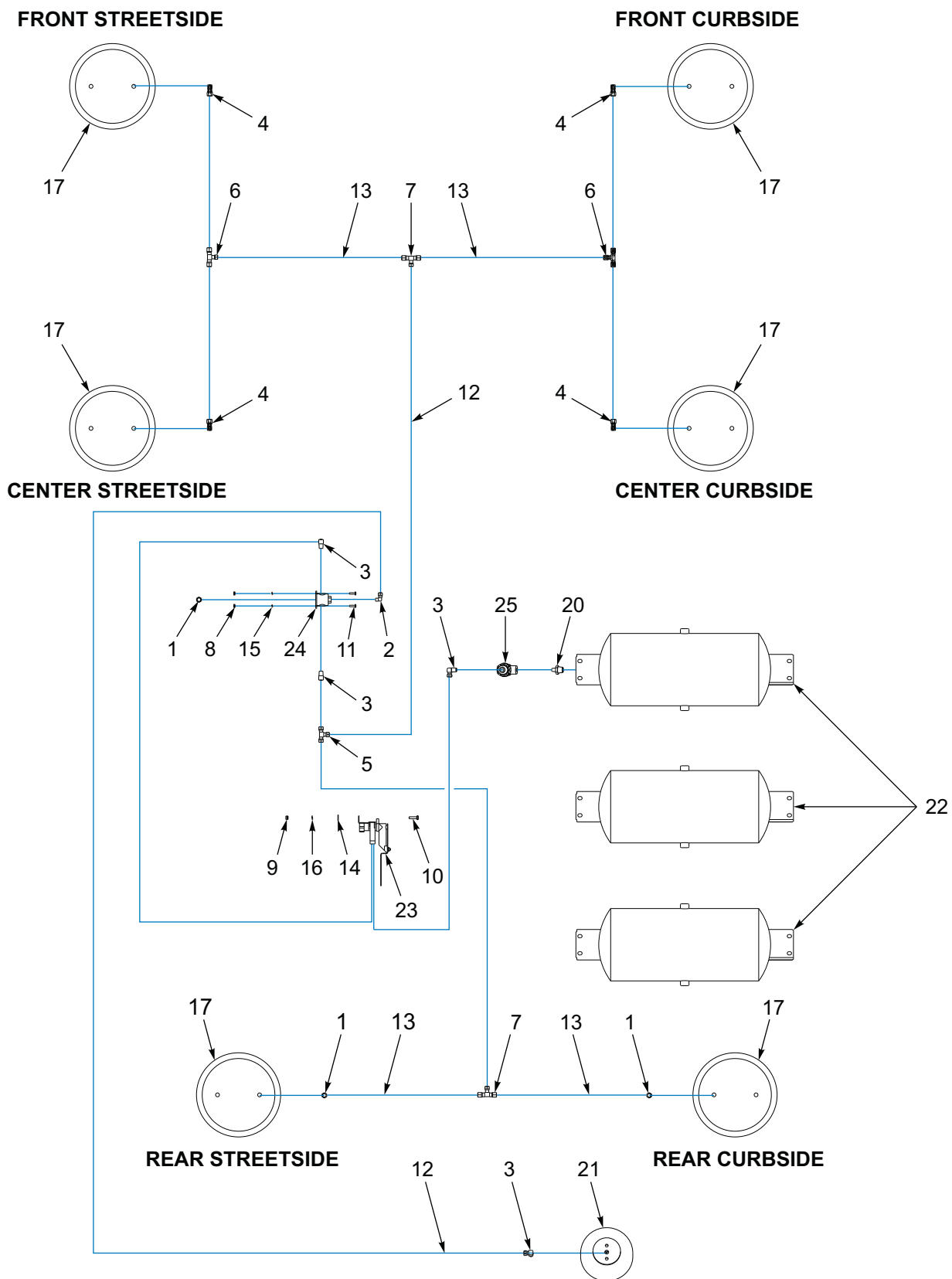


Figure 1-43: 950E-Air Ride Suspension

950E-Air Ride Suspension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215086	SUSP 950E-12, 2512-77 (REF. ONLY)	
	215087	SUSP 950E-12, 2516-75 (REF. ONLY)	
	215088	SUSP 950E-14, 2512-77 (REF. ONLY)	
	215099	SUSP 950E-14, 2516-75 (REF. ONLY)	
	215090	SUSP 950E-15, 2512-77 (REF. ONLY)	
	215091	SUSP 950E-15, 2516-75 (REF. ONLY)	
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	3
2	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	1
3	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	4
4	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	2
5	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
6	1-297-010010-03	FITTING,AIR,UNION TEE 3/8	2
7	1-297-010010-04	FITTING,AIR,UN/TEE3/8X3/8X1/4	2
8	1-512-010007-03	NUT, HEX 10-24	4
9	1-512-010007-05	NUT, HEX 1/4-20 UNC, GR2	2
10	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
11	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	4
12	1-833-010001	TUBING NYLON 1/4 OD	65
13	1-833-010002	TUBING NYLON 3/8 OD	6
14	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
15	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10	4
16	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	2
17	102363	SUSPENSION,ADJ RLU-228-3.5 (SEE PAGE 1-79)	REF
18	102732	AIR CONTROL KIT (SEE PAGE 1-76)	1
19	109177	CONTROL KIT AIR SUSP LOWER (SEE PAGE 1-77)	1
20	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
21	3-720-010042	SPRING AIR 6-1/2	REF
22	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	REF
23	900 54 007	HEIGHT CONTROL VALVE N	REF
24	900-54-079	PILOT VALVE	REF
25	905-54-107	BRAKE PROTECTION VALVE	REF
26	43028	HOSE WRAP AEROQUIP 3/8 (NOT SHOWN)	1

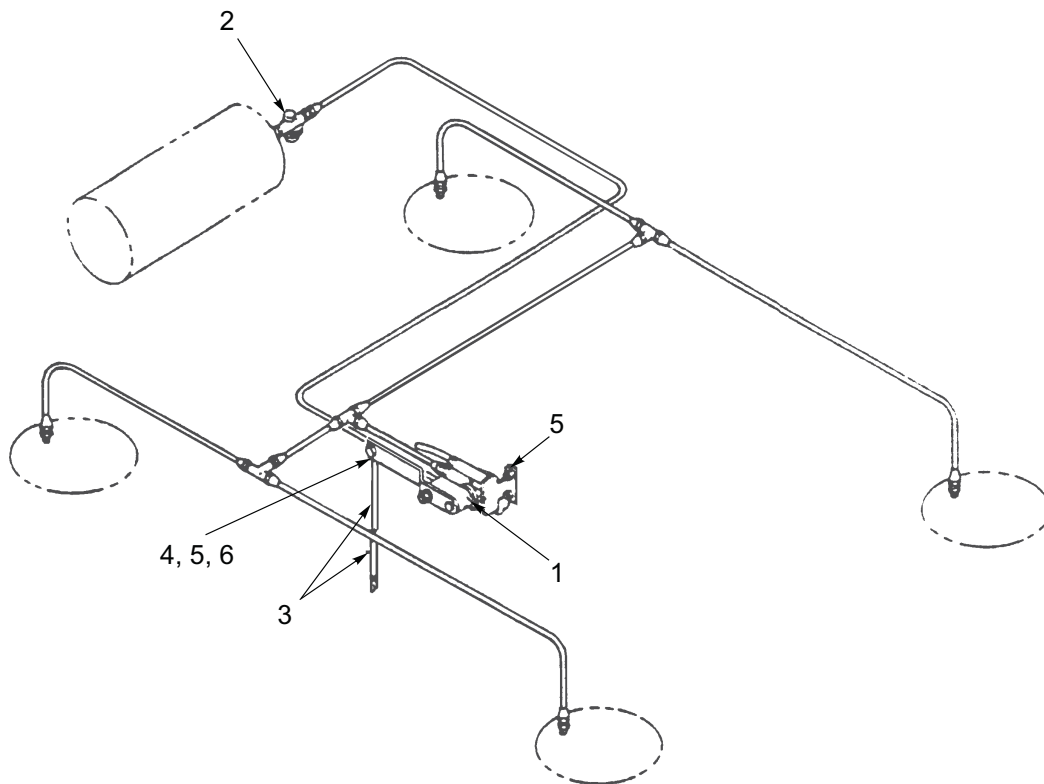
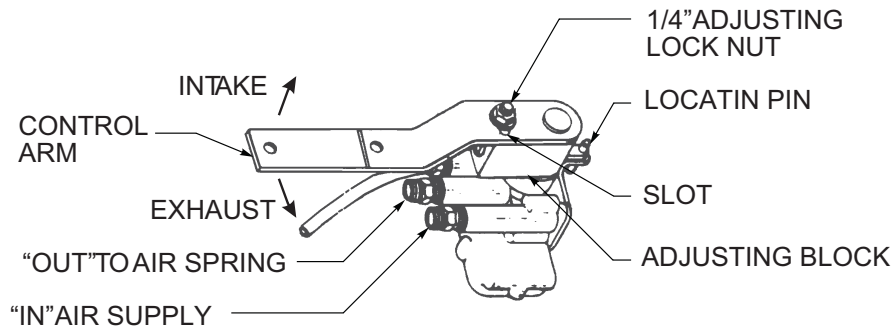


Figure 1-44: Air Control Kit - Neway

Air Control Kit - Neway

ITEM	PART NUMBER	DESCRIPTION	QTY.
	102732	AIR CONTROL KIT NEWAY	
1	900 54 007	HEIGHT CONTROL VALVE	1
2	905-54-107	AIR PRESSURE PROTECTION VALVE & FILTER	1
3	111021	SRK - 167 KIT - ADJ. LINK ASSEMBLY	1
4	1-654-010047-04	SCREW, HEX HEAD CAP 1/4-20 X 3/4 GR5	2
5	1-512-010005-01	LOCK NUT 1/4-20	2
6	-----	DECAL - OPERATING	1

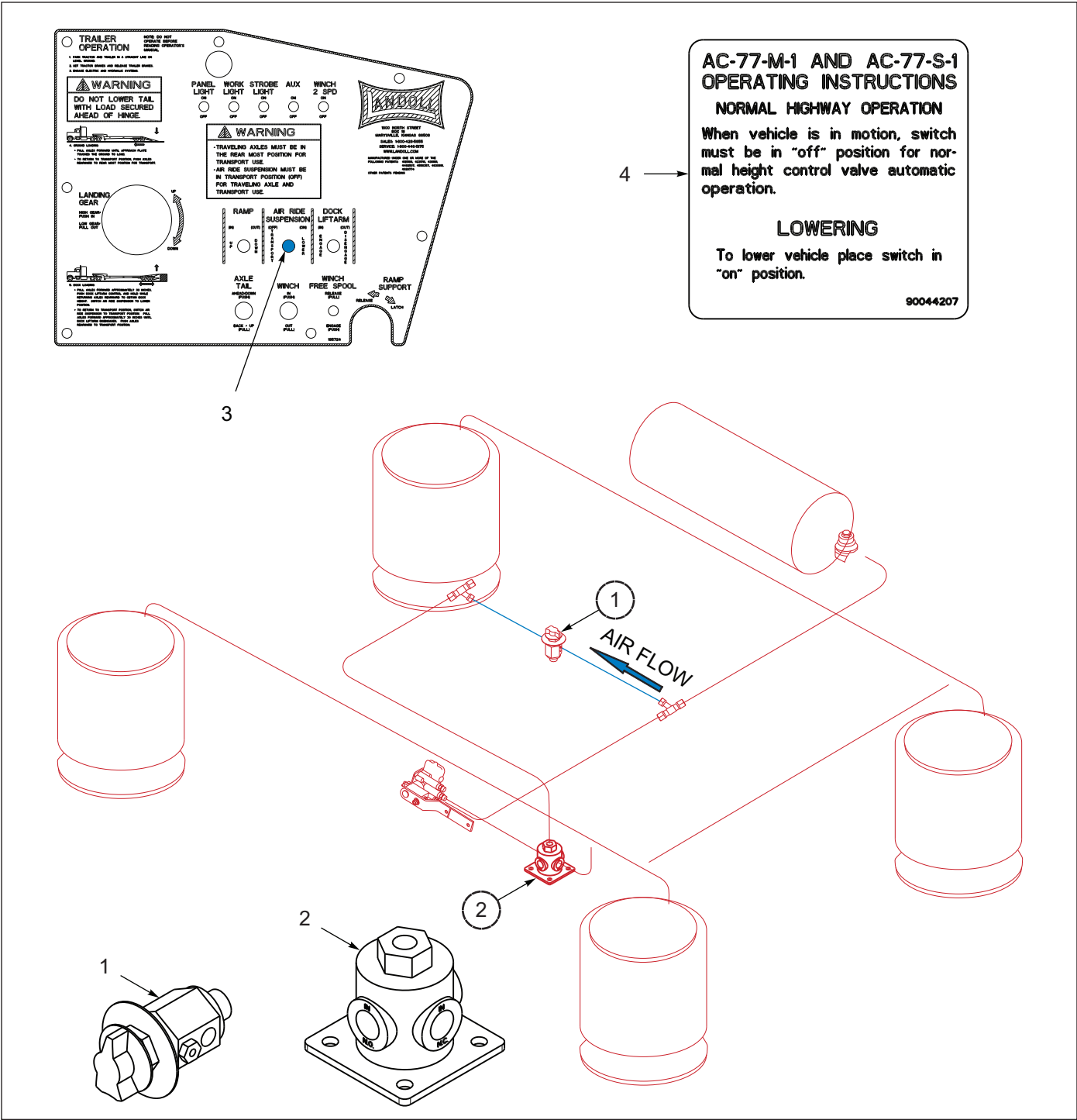


Figure 1-45: Air Control Kit - Lower Suspension

Air Control Kit - Lower Suspension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	109177	AIR CONTROL KIT - LOWER SUSPENSION (REF. ONLY)	
1	900-54-088	VALVE MANUALLY OPERATED	1
2	900-54-079	PILOT VALVE (LOCATED ON UNDERCARRIAGE)	1
3	-----	DECAL (NOT SHOWN)	1
4	900-44-207	DECAL	1

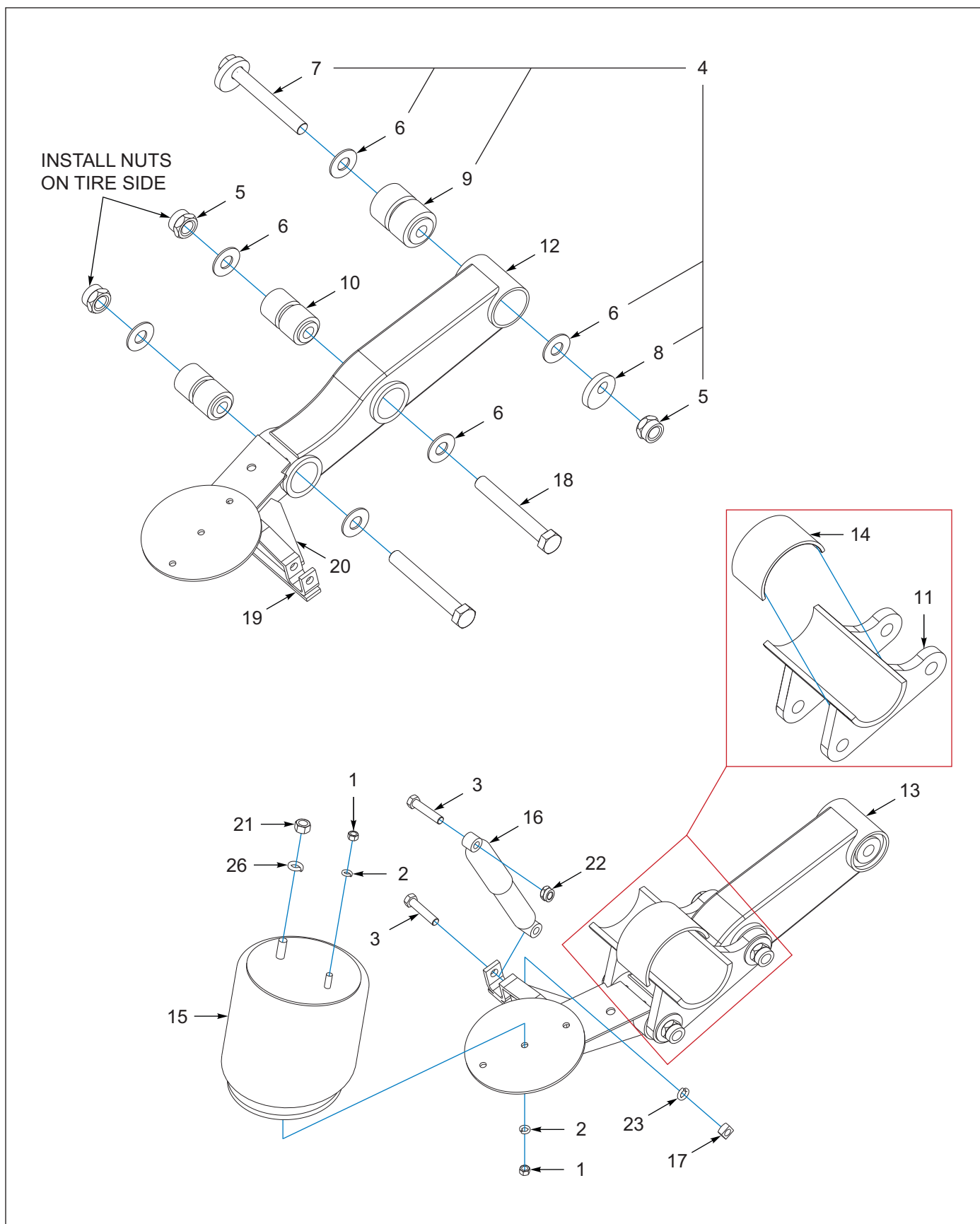
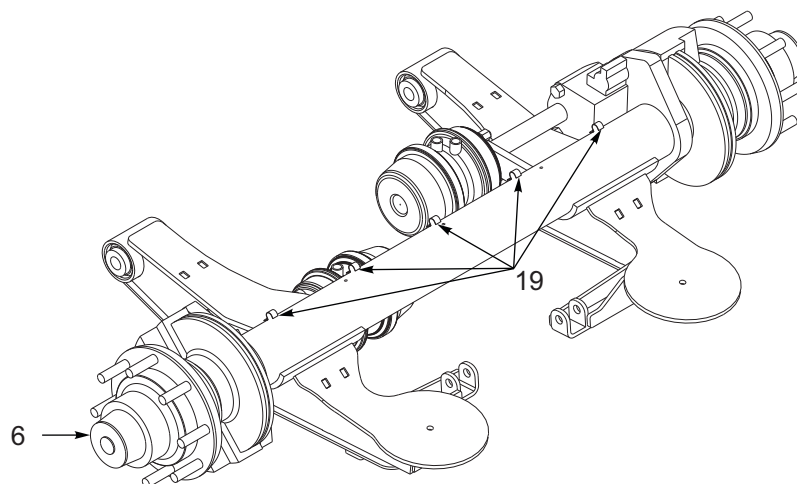


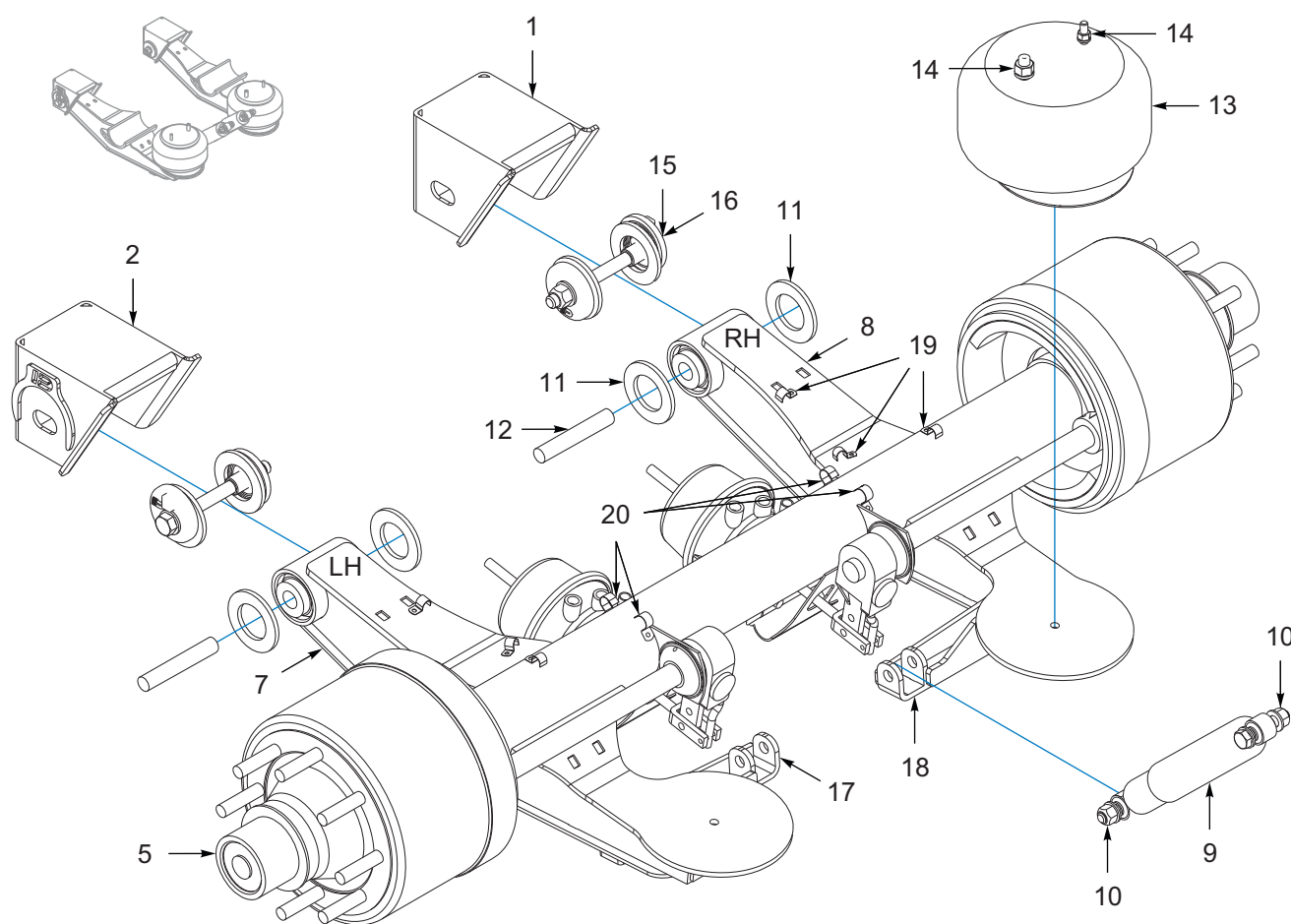
Figure 1-46: Suspension Hanger - RLU-228

Suspension Hanger, RLU-228

ITEM	PART NUMBER	DESCRIPTION	QTY
	102361	SUSPENSION,BEAM RLU-228 (INCLUDES ITEMS 5-6, 9-14, 18-20)	--
	102363	SUSPENSION,ADJ RLU-228-3.5 (INCLUDES ITEMS 1-9, 15-17, 18-29) (12.25 X 7.5 BRAKES)	--
	102364	SUSPENSION,ADJ RLU-228-5.5 (INCLUDES ITEMS 1-9, 15-17, 18-29) (16.5 X 7 BRAKES)	--
1	1-512-010007-09	NUT, HEX 1/2-13 GR2 ZP	4
2	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	4
3	105408	SCREW HXCP,3/4-10X3-1/2 GR8	4
4	109533	ALIGNMENT BLOCK ASSY#48100294 (SERVICE KIT INCLUDES ITEMS 5-9)	1
5	111008	NUT LOCK 1-1/8-7 NEWAY (PART OF ITEM 4, INCLUDES 1 EACH)	6
6	111010	WASHER FLAT NEWAY 90036177 (PART OF ITEM 4, INCLUDES 2 EACH)	12
7	129005	ALIGN BLOCK 90508019 (PART OF ITEM 4, INCLUDES 1 EACH)	2
8	129006	ALIGN BLOCK NON-WELD 90008238 (PART OF ITEM 4, INCLUDES 1 EACH)	2
9	900-08-139	BUSHING NEWAY AR-45 SUSPENSIO (PART OF ITEM 4, INCLUDES 1 EACH)	2
10	111011	RUBBER BUSH NEWAY 90008149	4
11	111012	AXLE ADAPTER NEWAY 90001200	2
12	111013	BEAM LH NEWAY 90516600	1
13	111014	BEAM RH NEWAY 90516601	1
14	111015	SAFETY STRAP NEWAY 90025288	2
15	111016	AIR SPRING NEWAY 90557159 (16.5 X 7 BRAKES)	2
15	905-57-129	SPRING AIR BAG AR-45 (12.25 X 7.5 BRAKES)	2
16	111017	SHOCK NEWAY 90044642 (16.5 X 7 BRAKES)	2
16	900 45 040	SHOCK ABSORBER AR93 (12.25 X 7.5 BRAKES)	2
17	111022	NUT,SQ 3/4-10 NEWAY 93400367	2
18	111023	SCREW 1-1/8-7 NEWAY 93201051	4
19	126900	BRACKET BTM SHOCK ARU93	2
20	221602	GUSSET SHOCK LOWER TRL	2
21	934 00 149	HEX NUT 3/4-16 NEWAY AR-75-9	2
22	934-00-492	LOCK NUT 3/4-10	2
23	936 00 077	LOCK WASHER 3/4	4
24	111018	ANCHOR,RIDE HT NEWAY 90054038 (NOT SHOWN)	1
25	-----	LITERATURE LABEL (NOT SHOWN)	1
26	-----	LITERATURE LABEL (NOT SHOWN)	1
27	-----	LITERATURE FORM 864 (NOT SHOWN)	1
28	-----	LITERATURE SPEC (NOT SHOWN)	1
29	-----	LITERATURE INSTRUCTIONS (NOT SHOWN)	1



VIEW OF DISC BRAKE ASSEMBLY (OPTION) CLAMP LOCATIONS (FOR BREAKDOWN SEE BELOW)

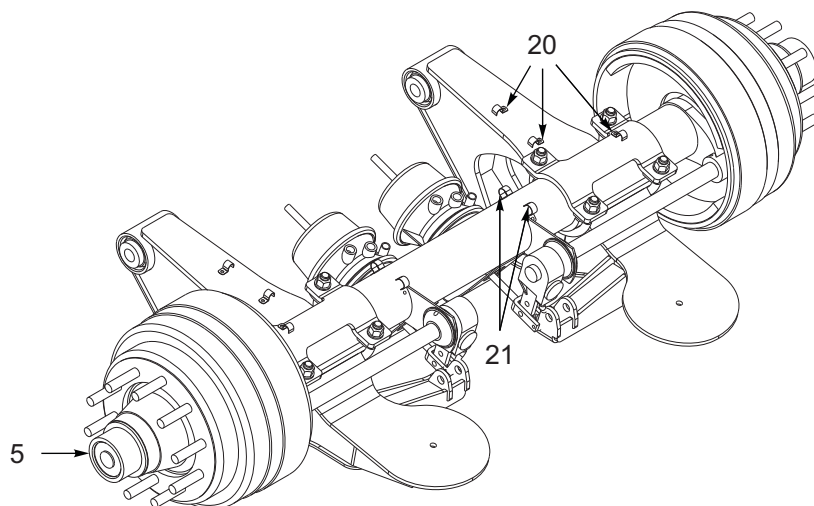


VIEW OF DRUM BRAKE ASSEMBLY

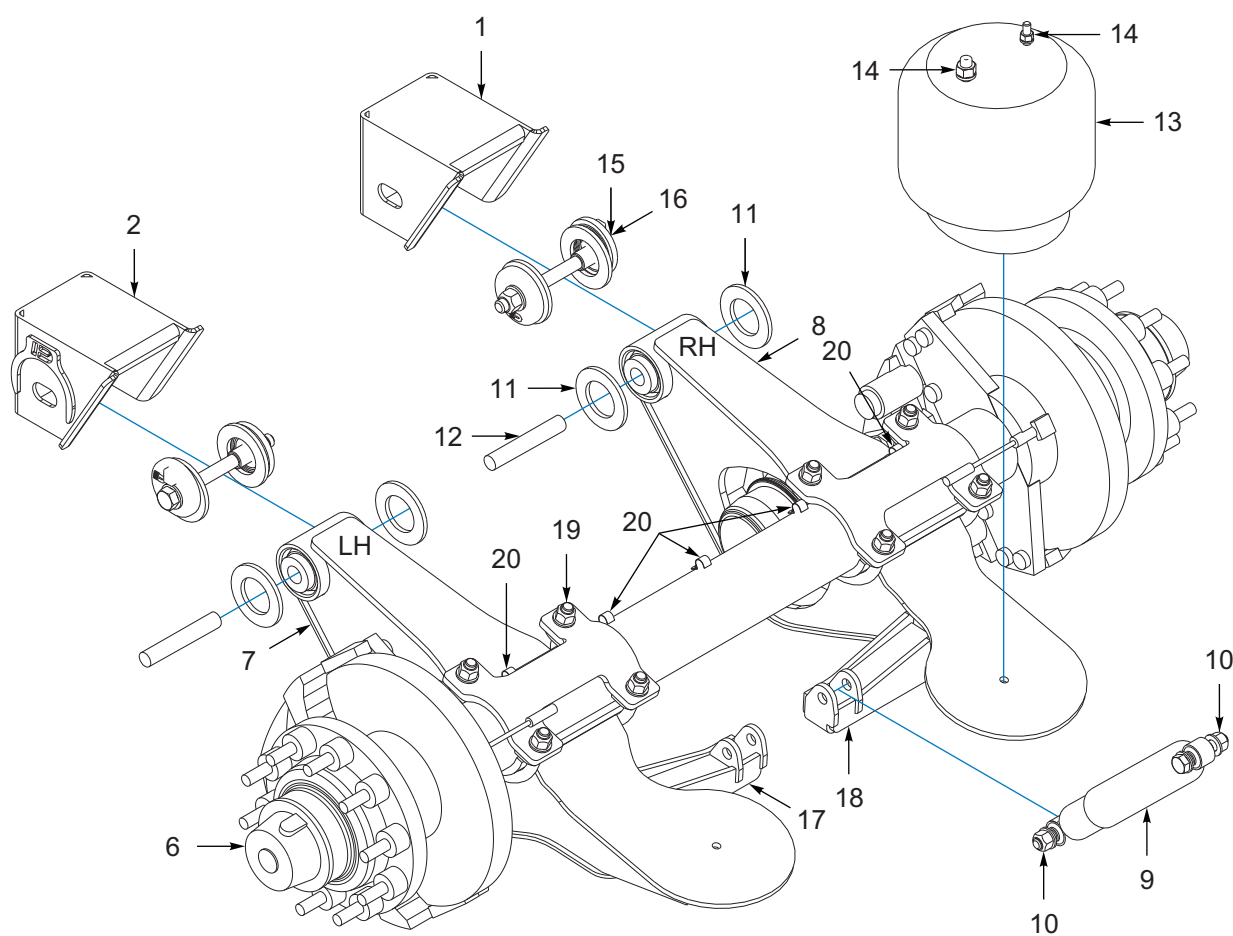
Figure 1-47: Suspension Hanger, 12.25, LSS- 25K-3.5 RLU

Suspension Hanger, 12.25, LSS-25K-3.5 RLU

ITEM	PART NUMBER	DESCRIPTION	QTY
1	218068	FRAME BRKT RH LSS-25K SUSP	1
2	218070	FRAME BRKT LH LSS-25K SUSP	1
3	218075	SUSPENSION BEAMS LSS-25K (INCLUDES ITEMS 7-8, 17-18)	1
4	218079	SUSP FASTNER KIT 25K-3_5RLU (INCLUDES ITEMS 9-14, 16)	1
5	-----	AXLE WELDMENT 2512 SPRING (DRUM BRAKE STANDARD) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE - SEE PAGE 1-1)	
6	-----	AXLE WELDMENT 2512 DISC (DISC BRAKE OPTION) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE - SEE PAGE 1-1)	1
7	225953	SUSP BEAM LH ASSY W/ BUSHING (PART OF ITEM 3)	1
8	225954	SUSP BEAM RH ASSY W/ BUSHING (PART OF ITEM 3)	1
9	225955	SHOCK ABSORBER M85323 (PART OF ITEMS 4)	2
10	225956	HARDWARE KIT M85323 SHOCK (PART OF ITEM 4)	2
11	225958	BEAM SPACER LSS-25K (PART OF ITEM 4)	4
12	225959	PIVOT BOLT SLEEVE LSS-25K (PART OF ITEM 4)	2
13	225962	AIR SPRING F/S W01-358-9307 (PART OF ITEM 4)	2
14	225963	HARDWARE KIT AIR SPRING (PART OF ITEM 4)	2
15	225969	PIVOT HARDWARE KIT LSS-25K (W/O-BUSHING)	2
16	225970	PIVOT HARDWARE KIT W/BUSHING (PART OF ITEM 4)	2
17	230611	SHOCK WLDMT LH LSS-25K (PART OF ITEM 3)	1
18	230612	SHOCK MT WLDMT RH LSS-25K (PART OF ITEM 3)	1
19	3-181-010034-1	CLAMP CONDUIT STEEL 1/2 (DISC BRAKE AXLES, REQ 5 EACH) (DRUM BRAKE AXLES, REQ 6 EACH)	--
20	3-181-010034-2	CLAMP CONDUIT STEEL 3/4 (DRUM BRAKE)	4



VIEW OF DRUM BRAKE CLAMP LOCATIONS (FOR BREAKDOWN SEE BELOW)



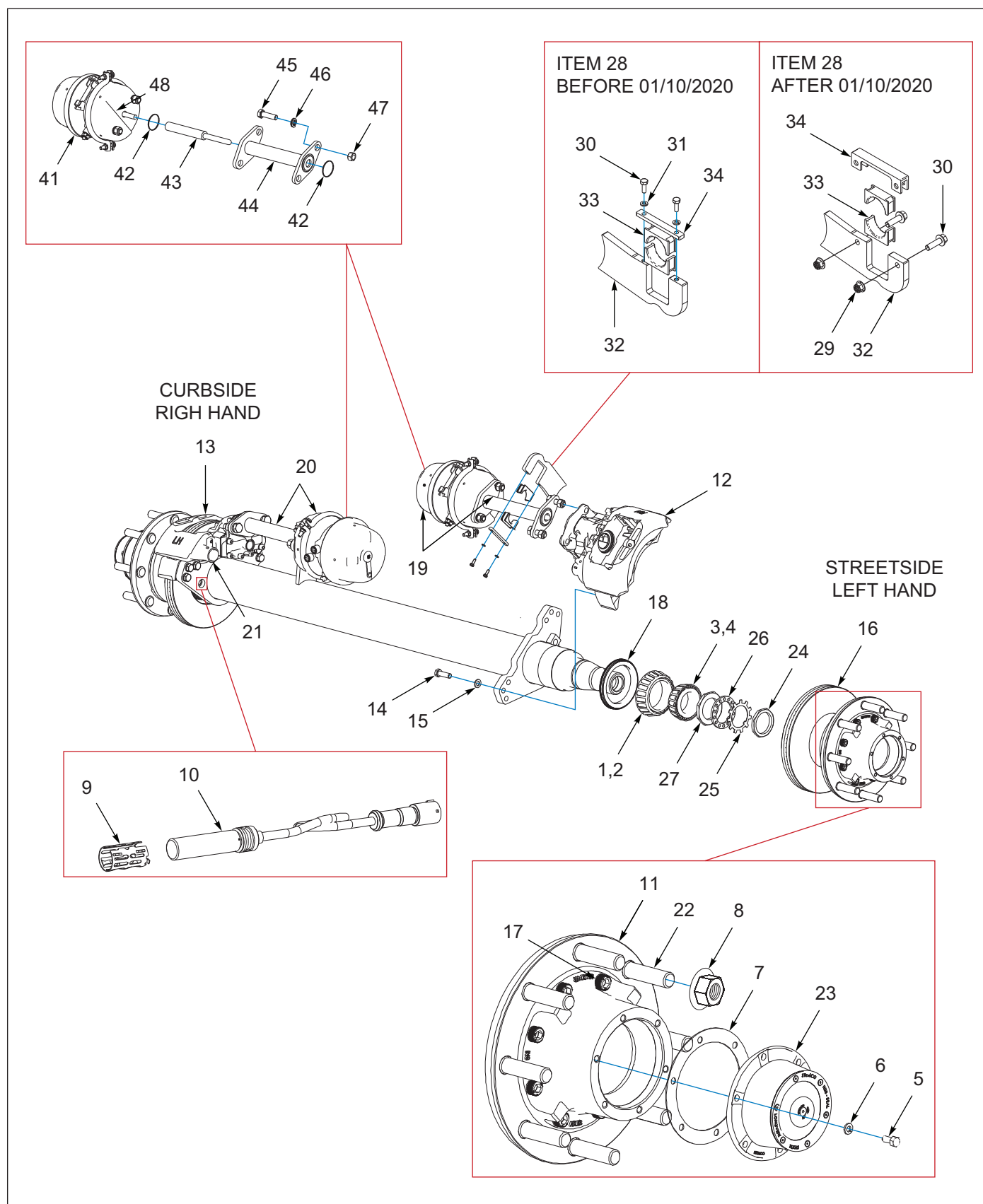
VIEW OF DISC BRAKE ASSEMBLY (OPTION)

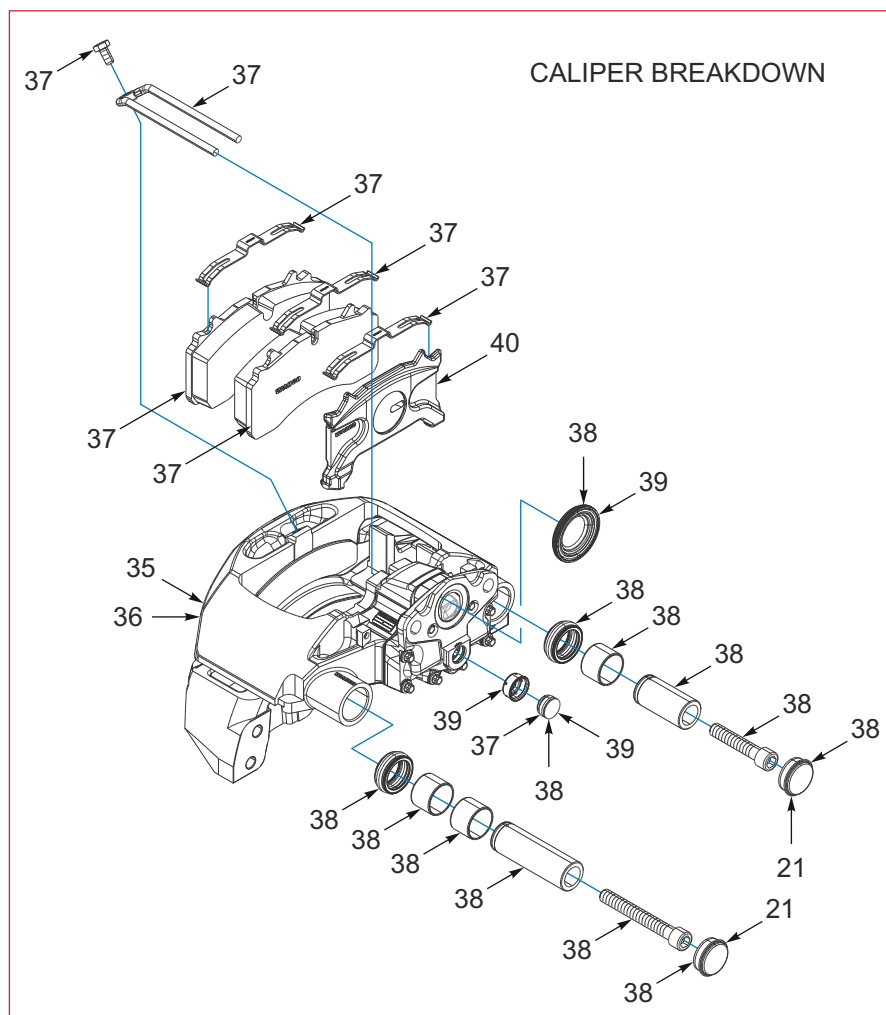
Figure 1-48: Suspension Hanger, 16.5, LSS- 25K-3.5 RLU

Suspension Hanger, 16.5, LSS-25K-5.5 RLU

ITEM	PART NUMBER	DESCRIPTION	QTY
1	218068	FRAME BRKT RH LSS-25K SUSP	1
2	218070	FRAME BRKT LH LSS-25K SUSP	1
3	226048	SUSPENSION BEAMS 25K-05_5RLU (INCLUDES ITEMS 7-8, 17-18)	1
4	226049	SUSP FASTNER KIT 25K-05_5RLU (INCLUDES ITEMS 9-14, 16)	1
5	-----	AXLE WLDMT 2512 SPRING (DRUM BRAKE) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE - SEE PAGE 1-1)	1
6	-----	AXLE WLDMT 2512 DISC (DISK BRAKE OPTION) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE - SEE PAGE 1-1)	1
7	238566	TRAILING BEAM LH W/BUSHING (PART OF ITEM 3)	1
8	238567	TRAILING BEAM RH W/ BUSHING (PART OF ITEM 3)	1
9	225955	SHOCK ABSORBER M85323 (PART OF ITEMS 4)	2
10	225956	HARDWARE KIT M85323 SHOCK (PART OF ITEM 4)	2
11	225958	BEAM SPACER LSS-25K(PART OF ITEM 4)	4
12	225959	PIVOT BOLT SLEEVE LSS-25K (PART OF ITEM 4)	2
13	239294	AIR SPRING F/S W01-358-9307 (PART OF ITEM 4)	2
14	225963	HARDWARE KIT AIR SPRING (PART OF ITEM 4)	2
15	225969	PIVOT HARDWARE KIT LSS-25K (W/O-BUSHING)	2
16	225970	PIVOT HARDWARE KIT W/BUSHING (PART OF ITEM 4)	2
17	238568	LOWER LH SHOCK MNT WLDMT (PART OF ITEM 3)	1
18	238569	LOWER RH SHOCK MNT WLDMT (PART OF ITEM 3)	1
19	238565	U-BOLT KIT LSS-25-RLU/RLY (PART OF ITEM 3)	1
20	3-181-010034-1	CLAMP CONDUIT STEEL 1/2 (DISC BRAKE AXLES, REQ 5 EACH) (DRUM BRAKE AXLES, REQ 6 EACH)	--
21	3-181-010034-2	CLAMP CONDUIT STEEL 3/4 (DRUM BRAKE)	4

Axle & Brake Assemblies





ITEM# 49



ITEM# 50



Figure 1-50: Axle 12.25 Disc Brakes & Hub Assembly, Dexter (OPTION) (2 of 2)

Axle 12.25 Disc Brakes & Hub Assembly, Dexter (OPTION)

ITEM	PART NO.	DESCRIPTION	QTY.
	220658	AXLE 12.25 DSC 77 25K TIS	- -
1	HM218210	BEARING CUP, INNER-DEXTERD225K	2
2	HM218248	INNER BEARING	2
3	HM212011	OUTER CUP	2
4	HM212049	OUTER BEARING CONE	2
5	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	12
6	1-861-010034-10	WASHER, LKG 5/16	12
7	153402	GASKET HUB (3067)	2
8	179955	NUT, FLANGE MM22X1.5 (1.50HEX) (179933, 153408)	16
9	153409	SPRING CLIP ABS	2
10	220673	SENSOR ABS STRAIGHT IM CABLE	2
11	223993	HUB DISC PAN17 (NO ROTOR) (INCLUDES ITEMS 1, 3)	2
12	223994	CALIPER DISC PAN17 LH (INCLUDES ITEMS 35, 37-40)	1
13	223997	CALIPER DISC PAN17 RH (INCLUDES ITEMS 36-40)	1
14	223995	BOLT M14-1.5X45MM GR 10.9	12
15	223996	WASHER 14MM SPLIT LOCK	12
16	223998	ROTOR DISC PAN 17.5 (NO HUB)	2
17	224002	BOLT SCHS M14-2X60MM GR 12.9	16
18	224003	SEAL SCOTSEAL F22	2
19	225965	EXT SHAFT ASSY AIR CHAMBER LH (INCLUDES ITEMS 41-47)	1
20	225977	EXT SHAFT ASSY AIR CHAMBER RH (INCLUDES ITEMS 41-47)	1
21	230657	SOFT PLUG TIN CALIPER	4
22	232823	STUD M22X1.5X3.97 DXT DSC BK	16
23	4009	BOLT ON HUB CAP W/PLUG (OIL CAP INCLUDES VENT PLUG AND ITEM 7)	2
24	006-115-00	NUT OUTER, SPINDLE, DEXTER (153365, 103102-001)	2
25	105106	STAR L/W (005-099-00)	2
26	105107	LOCK WASHER (005-098-00)	2
27	103103-002	NUT INNER SPINDLE DEXTER (006-114-00)	2
28	225978	SUPPORT BLOCK ASSY (BEFORE 01/10/2020) (INCLUDES ITEMS 33-37)	2
28	231958	SUPPORT BLOCK EXT SHAFT ASSY (AFTER 01/10/2020) (INCLUDES ITEMS 32-33, 35-37)	2
29	1-510-010001	NUT, FLANGE 3/8-16UNC GR5 ZNK (AFTER 01/10/2020)	4
30	1-654-010051-05	SCREW, HEX CAP 3/8-16UNCX1 GR5 (BEFORE 01/10/2020)	4
30	1-654-010051-06	SCREW, HEX CAP 3/8-16UNCX1-1/4 (AFTER 01/10/2020)	4
31	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8 (BEFORE 01/10/2020)	4
32	-----	SUPPORT BLOCK (BEFORE 01/10/2020)	2
32	223999	SUPPORT BLOCK (AFTER 01/10/2020)	2
33	-----	SPLIT BUSHING (BEFORE 01/10/2020) (2 PER SUPPORT BLOCK)	4
33	224000	SPLIT BUSHING (AFTER 01/10/2020) (2 PER SUPPORT BLOCK)	4
34	-----	SUPPORT CAP (BEFORE 01/10/2020)	2
34	224001	SUPPORT CAP (AFTER 01/10/2020)	2
35	236534	CALIPER DISC PAN17 LH NO PADS	1
36	236535	CALIPER DISC PAN17 RH NO PADS	1
37	224005	PAD KIT PAN17 DISC BRAKE 1 AX (1 KIT PER AXLE)	1
38	236536	GUIDE BOLT & SEAL KIT PAN 17 (PER CALIPER)	1
39	236537	SEAL KIT CLAMPING UNIT (PER CALIPER)	1
40	236538	PRESSURE PLT DSCBKCALIPR PAN17 (PER CALIPER)	1

Axle 12.25 Disc Brakes & Hub Assembly, Dexter (OPTION)

ITEM	PART NO.	DESCRIPTION	QTY.
41	238558	AIR CHAMBER PAN 17 DSC BK	2
42	238559	O-RING 1-7/8"IDX2-1/8"ODX.139"	2
43	238560	SHAFT CHAMBER EXTENSION	2
44	238562	EXTENSION TUBE WLDMT	2
45	238563	SCREW 5/8-12 X 2" UNF	2
46	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8	2
47	238564	NUT JAM 5/8-18 UNF GR8	2
48	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE(50ML BOTTLE) (NOT SHOWN)	1
49	236504	TOOL KIT PAN 17/19/22 BASIC	1
50	225964	TOOL KIT WABCO PAN17 DISC	1

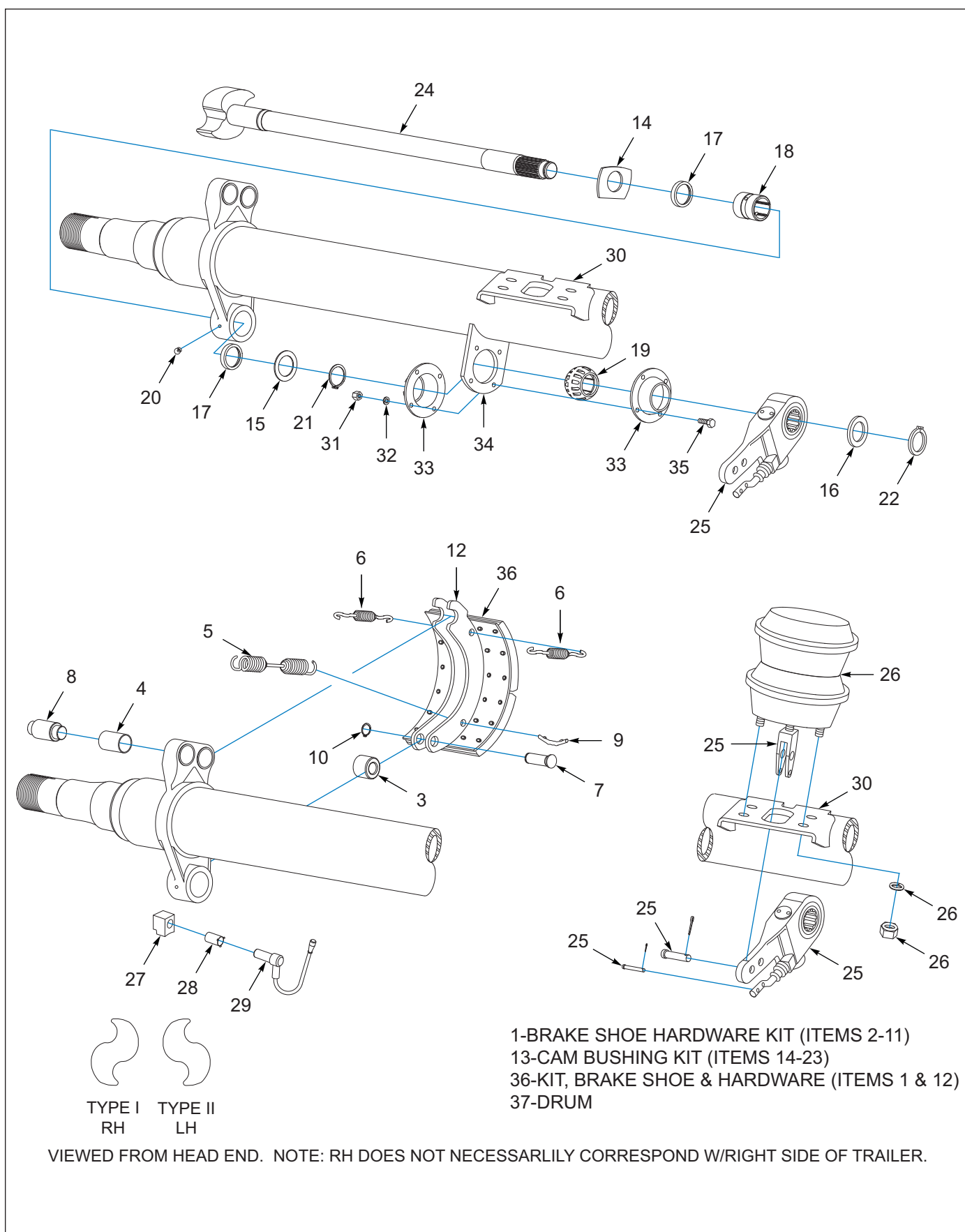


Figure 1-51: Axle 12.25 x 7.5 Drum Brakes, Dexter

Axle 12.25 x 7.5 Drum Brakes, Dexter

ITEM	PART NUMBER	DESCRIPTION	QTY
	212381	AXLE 77 12.25SPG 25K TIS (REPLACED 155436 AFTER 06/16/2018)	- -
1	K71-460-00	BRAKESHOE HDW KIT PQ BRKS DEX (INCLUDES ITEMS 2-11)	2
2	403149	WASHER RETAINER (NOT SHOWN) (ITEM 1 INCLUDES 2 EACH)	4
3	204108-001	ROLLER (014-057-00) (ITEM 1 INCLUDES 2 EACH)	4
4	014-068-00	BUSHING-SPIDER ANCHOR PIN DXTR (ITEM 1 INCLUDES 2 EACH)	4
5	208106	SPRING BRAKE RETRACT (ITEM 1 INCLUDES 1 EACH)	2
6	046-097-00	SPRING-BRAKE SHOE KEEPER DEXTR (ITEM 1 INCLUDES 2 EACH)	4
7	205107-001	BRAKE SHOE PIN STANDARD (ITEM 1 INCLUDES 2 EACH)	4
8	056-017-00	ANCHOR PIN-BRAKE SHOE DEXTER (ITEM 1 INCLUDES 2 EACH)	4
9	056-018-00	RETAINER-RETRACTOR SPRING DXTR (ITEM 1 INCLUDES 2 EACH)	4
10	214102	ROLLER RETAINER (ITEM 1 INCLUDES 2 EACH)	4
11	-----	INSTRUCTION SHEET (NOT SHOWN) (ITEM 1 INCLUDES 1 EACH)	1
12	-----	SHOE LINING QUICK CHG ASSY	4
13	K71-101-00	CAM SHAFT REPAIR KIT PQ BRAKES (I KIT PER BRAKE) (INCLUDES ITEMS 14-23)	2
14	005-074-00	WASHER D-CAM DEXTER (ITEM 13 INCLUDES 1 EACH)	2
15	403149	WASHER RETAINER (ITEM 13 INCLUDES 2 EACH)	2
16	113819	CAMSHAFT WASHER 28 SPLINE (ITEM 13 INCLUDES 1 EACH)	2
17	408101-001	SPIDER SEALR (ITEM 13 INCLUDES 2 EACH)	4
18	405129	SPIDER BUSHING (ITEM 13 INCLUDES 1 EACH)	2
19	405999-001	NYLON BUSHING CAM BRKT ASSY (ITEM 13 INCLUDES 1 EACH)	2
20	061-003-00	GREASE FITTING-SPIDER DEXTER (ITEM 13 INCLUDES 1 EACH)	2
21	214104	CAM LOCK RING (ITEM 13 INCLUDES 2 EACH)	2
22	069-078-00	SNAP RING ITEM 13 INCLUDES 1 EACH)	2
23	-----	INSTRUCTION SHEET (NOT SHOWN) (ITEM 13 INCLUDES 1 EACH)	1
24	136991	CAM LH 28 SPLINE 23-3/8	1
24	136992	CAM RH 28 SPLINE 23-3/8	1
25	127777	SLACK ADJ AUTO 12-1/4X7-1/2 (INCLUDES CLEVIS, PINS, GAGE & INSTRUCTIONS)	2
26	138719	SPRING BRAKE TYPE 30/30	2
27	103805	ABS SENSOR BLOCK	2
28	144979	ABS SENSOR RETAINER CLIP	2
29	101847	ABS SENSOR CABLE-.4M (1FT) (SENSOR & CABLE ASSEMBLY)	2
30	034-048-00	BRACKET AIR CHAMBER MTG	2
31	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	8
32	005-079-00	LOCK WASHER, DEXTER	8
33	034-032-00	RETAINING PLATE-CAMSHAFT DEXTR (EACH HALF SOLD SEPERATELY)	4
34	034-031-00	BRACKET ASSY-CAMSHAFT SUPT	2
35	007-139-00	BOLT RET CAM BUSHING DEXTER	8
36	138054	KIT,BRAKE, 12 1/4X7 1/2 (1 KIT PER AXLE) (INCLUDES 2 EACH OF ITEMS 1 & 12)	1
37	63680	DRUM, BRAKE (NOT SHOWN) (SEE DRUM & HUB ASSEMBLY)	1

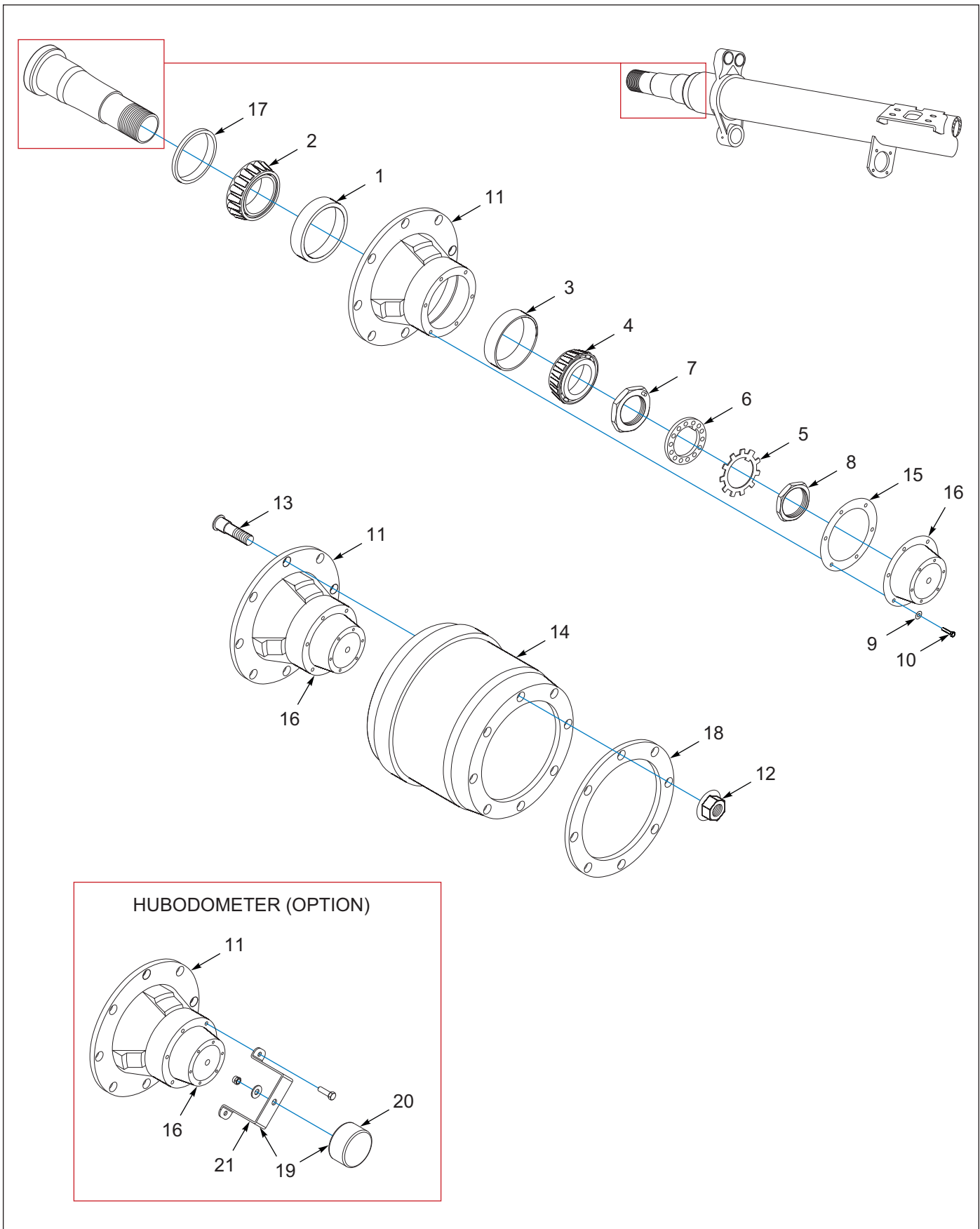
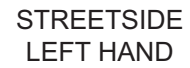


Figure 1-52: Axle 12.25 x 7.5 Drum and Hub Assembly, Dexter

Axle 12.25 X 7.5 Drum and Hub Assembly, Dexter

ITEM	PART NUMBER	DESCRIPTION	QTY
	212381	AXLE 77 12.25SPG 25K TIS (REPLACED 155436 AFTER 06/16/2018)	- -
1	HM218210	BEARING CUP, INNER-DEXTERD225K (ITEM 11 INCLUDES 1 EACH)	2
2	HM218248	INNER BEARING	2
3	HM212011	OUTER CUP (ITEM 11 INCLUDES 1 EACH)	2
4	HM212049	OUTER BRG A19S	2
5	105106	STAR L/W (005-098-00)	2
6	105107	LOCK WASHER (005-099-00)	2
7	103103-002	NUT INNER SPINDLE DEXTER (006-114-00)	2
8	006-115-00	NUT OUTER, SPINDLE, DEXTER (103102-001)	2
9	1-861-010034-10	WASHER, LKG 5/16	12
10	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	12
11	112492	HUB 8 BOLT ABS 100 TOOTH (INCLUDES TONE RING) (INCLUDES ITEMS 1, 3, 13)	2
12	179955	NUT, FLANGE MM22X1.5 (1.50HEX) (179933, 153408)	16
13	113536	STUD RH 22MM 3.5 STANDOUT (131069) (ITEM 11 INCLUDES 8 EACH)	8
14	63680	DRUM, BRAKE	2
15	3067	GASKET HUB (153402)	2
16	4009	BOLT ON HUB CAP W/PLUG (OIL CAP INCLUDES VENT PLUG AND ITEM 15, 1 EACH)	2
17	3-659-010012	SEAL, AXLE	2
18	114619	WHEEL GUARD 8 HOLE 275MM BC (USED ONLY TO SEPARATE STEEL RIM OR DRUM FROM ALUMINUM RIM)	2
19	142550	HUBODOMETER INSTALL 235/17.5 (650RPM) (OPTION INCLUDES ITEMS 20, 21)	1
20	142547	HUBODOMETER 650 RPM (OPTION)	1
21	197606	BRACKET HUBODOMETER 4"H TISTIS (OPTION)	1



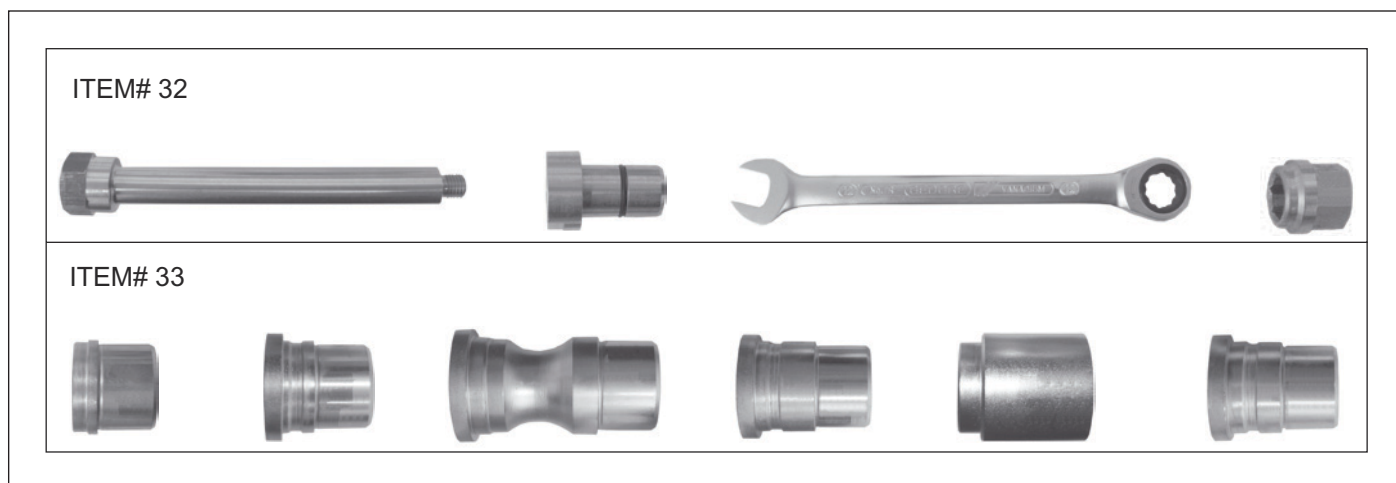


Figure 1-54: Axle 16.5 Disc Brakes & Hub Assembly, Dexter (OPTION) (2 of 2)

Axle 16.5 Disc Brakes & Hub Assembly, Dexter (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY
	228029	AXLE 75 PAN 22 DISC 25K TIS	--
1	HM218210	BEARING CUP, INNER-DEXTERD225K	2
2	HM218248	INNER BEARING	2
3	HM212011	OUTER CUP	2
4	HM212049	OUTER BEARING CONE	2
5	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	12
6	1-861-010034-10	WASHER, LKG 5/16	12
7	153402	GASKET F22 (3067)	2
8	153408	NUT, FLANGE M22 X 1.5 (179955, 179933)	20
9	153409	SPRING CLIP ABS	2
10	220673	SENSOR ABS STRAIGHT IM CABLE	2
11	235222	HUB/ROTOR ASSY PAN22 DSC	2
12	236498	CALIPER PAN22 LH ADB (INCLUDES ITEMS 29, 31-34)	1
13	236499	CALIPER RAN22 RH ADB (INCLUDES 30-34)	1
14	236497	STUD M22 X 1.5 X 4.79"	20
15	224002	BOLT SCHS M14-2X60MM FR 12.9	2
16	224003	SEAL SCOTSEAL F22 (46305)	2
17	236475	BRAKE CHAMBER LH DXT 16.5 DSC (INCLUDES MOUNT NUTS)	1
18	236476	BRAKE CHAMBER RH DXT 16.5 DSC (INCLUDES MOUNT NUTS)	1
19	236500	BOLT HHCS M16-1.5X55MM GR10.9	12
20	236501	LOCK WASHER 16MM SPLIT	12
21	4009	HUB CAP VENTED (153403) (OIL CAP INCLUDES VENT PLUG AND ITEM 7)	2
22	006-115-00	SPINDLE NUT OUTER (006-115-00, 153365)	2
23	105106	STAR WASHER (153368, 005-098-00)	2
24	153366	SPINDLE WASHER (105107, 005-098-00)	2
25	103103-002	SPINDLE NUT INNER (153367, 006-114-00)	2
26	238554	CALIPER DISC PAN22 LH NO PADS	1
27	238555	CALIPER DISC PAN22 RH NO PADS	1
28	235221	PAD KIT PAN22 DSC 1AX (1 KIT PER AXLE)	1

Axle 16.5 Disc Brakes & Hub Assembly, Dexter (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY
29	238556	GUIDE BOLT & SEAL KIT PAN22 (PER CALIPER)	1
30	236537	SEAL KIT CLAMPING UNIT (PER CALIPER)	1
31	238557	'PRESSURE PLT DSCBKCALIPRPAN22 (PER CALIPER)	1
32	236504	TOOL KIT PAN 17/19/22 BASIC	1
33	236503	TOOL KIT PAN19/22 ADDITIONAL	1

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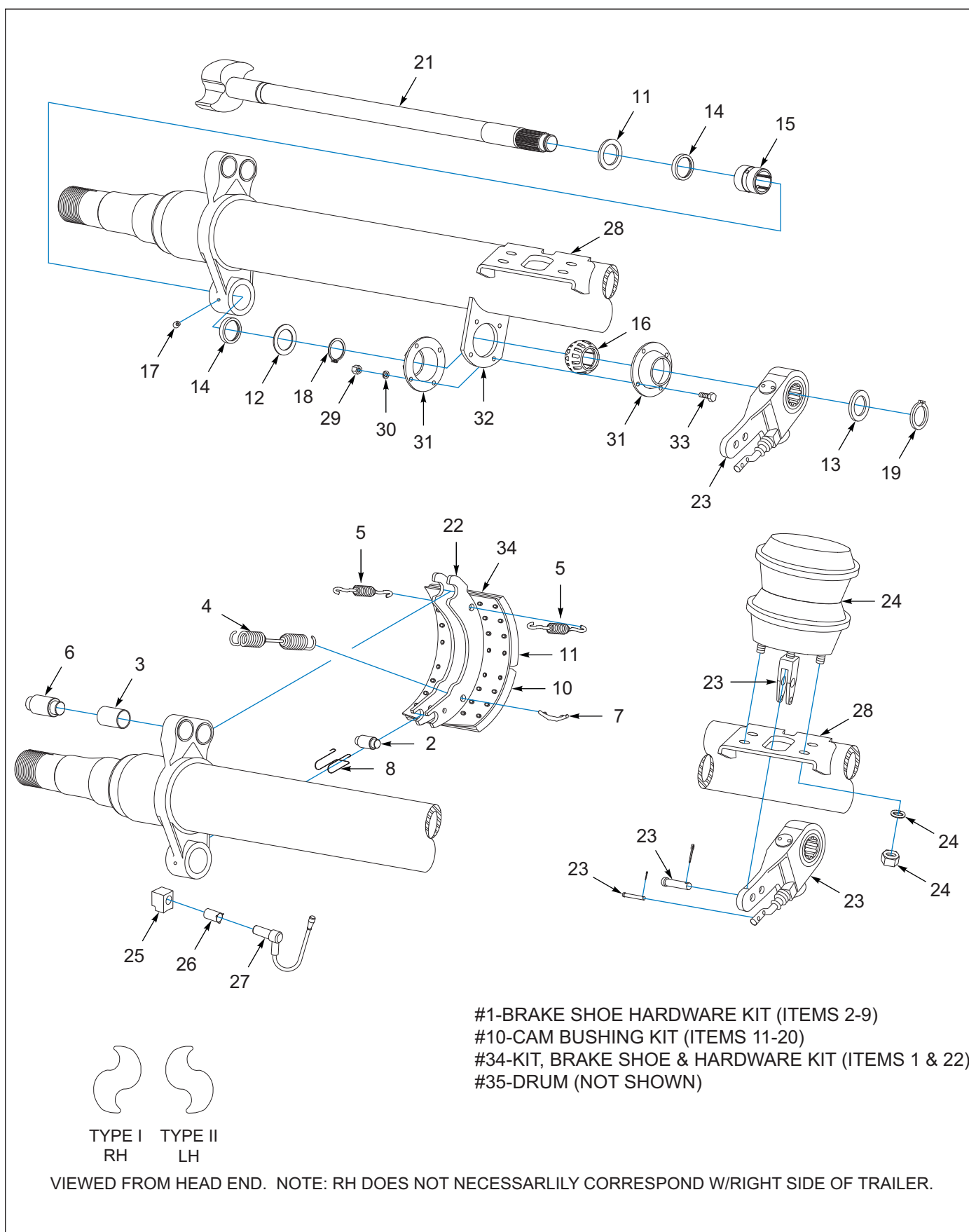


Figure 1-55: Axle 16.5 x 7 Drum Brakes, Dexter

Axle 16.5 x 7 Drum Brakes, Dexter

ITEM	PART NUMBER	DESCRIPTION	QTY
	212421	AXLE 75, 16.5 X 7 SPG BRK - 25K (REPLACED 115715, 138955 AFTER 06/16/2018)	--
1	K71-136-00	BRAKE SHOE H KIT 16.5X7 DXTR (PER BRAKE) (INCLUDES ITEMS 2-9)	2
2	014-065-00	ROLLER BRAKE SHOE(KNURLED)DXTR (ITEM 1 INCLUDES 2 EACH)	4
3	014-068-00	ANCHOR PIN-BRAKE SHOE DEXTErr (ITEM 1 INCLUDES 2 EACH)	4
4	046-096-00	SPRING BRAKE SHOE-ORANGE DEXTR (ITEM 1 INCLUDES 1 EACH)	2
5	046-097-00	SPRING-BRAKE SHOE KEEPER DEXTR (ITEM 1 INCLUDES 2 EACH)	4
6	056-017-00	ANCHOR PIN-BRAKE SHOE DEXTER (ITEM 1 INCLUDES 2 EACH)	4
7	056-018-00	RETAINER-RETRACTOR SPRING DXTR (ITEM 1 INCLUDES 2 EACH)	4
8	071-122-00	RETAINER BRAKE SHOE ROLLER (ITEM 1 INCLUDES 2 EACH)	4
9	-----	INSTRUCTIONS (NOT SHOWN) (ITEM 1 INCLUDES 1 EACH)	1
10	138090	BUSHING KIT (PER BRAKE) (INCLUDES ITEMS 11-20)	2
11	005-096-00	WASHER CAMSHAFT DEXTER (ITEM 10 INCLUDES 1 EACH)	2
12	005-097-00	WASHER CAM SHAFT DEXTER (ITEM 10 INCLUDES 2 EACH)	2
13	113819	CAMSHAFT WASHER 28 SPLINE (ITEM 10 INCLUDES 1 EACH)	2
14	408101-001	SPIDER SEAL (ITEM 10 INCLUDES 2 EACH)	4
15	405129	SPIDER BUSHING (ITEM 10 INCLUDES 1 EACH)	2
16	405999-001	BUSHING, CAMSHAFT SUPPORT (ITEM 10 INCLUDES 1 EACH)	2
17	061-003-00	GREASE FITTING-SPIDER DEXTER (ITEM 10 INCLUDES 1 EACH)	2
18	214104	CAM LOCK RING (ITEM 10 INCLUDES 2 EACH)	2
19	069-078-00	SNAP RING (ITEM 10 INCLUDES 1 EACH)	2
20	-----	INSTRUCTIONS (NOT SHOWN) (ITEM 10 INCLUDES 1 EACH)	1
21	137461	CAMSHAFT, 25" LH	1
21	137485	CAMSHAFT, 25" RH	1
22	040-180-00	BRAKE SHOE & LINING DEXTER	4
23	139383	SLACK ADJUSTER,STR AUTO 28SPL (INCLUDES CLEVIS, PINS, GAGE, & INSTRUCTIONS)	2
24	126292	CHAMBER 30-30 7.00 PUSHROD	4
25	103805	ABS SENSOR BLOCK	2
26	101849	ABS SENSOR SPRING CLIP	2
27	101847	ABS SENSOR CABLE-.4M (1FT) (SENSOR & CABLE ASSEMBLY)	2
28	034-048-00	BRACKET AIR CHAMBER MTG	2
29	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	8
30	005-079-00	LOCK WASHER, DEXTER	8
31	034-032-00	RETAINING PLATE-CAMSHAFT DEXTR (EACH HALF SOLD SEPERATELY)	4
32	034-047-00	BRACKET-CAMSHAFT SUPTWELD ON (2 PER AXLE)	4
33	007-139-00	BOLT RET CAM BUSHING DEXTER	8
34	159001	BRAKE SHOE&HARDWARE KIT16.5X7 (1 KIT PER AXLE) (INCLUDES 2 EACH OF ITEMS 1 & 22)	1
35	110976	DRUM FOR 103781 (NOT SHOWN) (SEE DRUM & HUB ASSEMBLY)	1

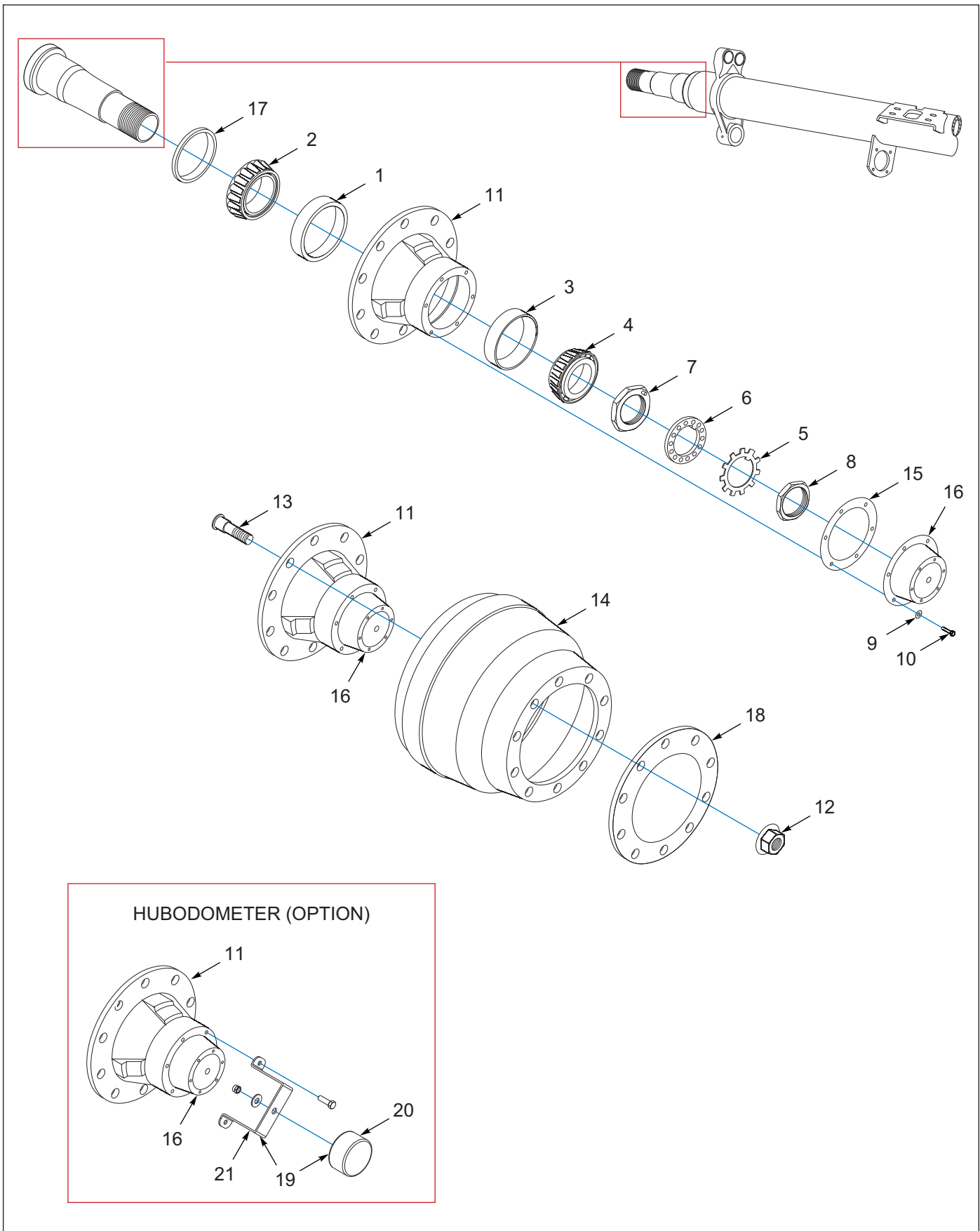


Figure 1-56: Axle 16.5 x 7 Drum and Hub Assembly, Dexter

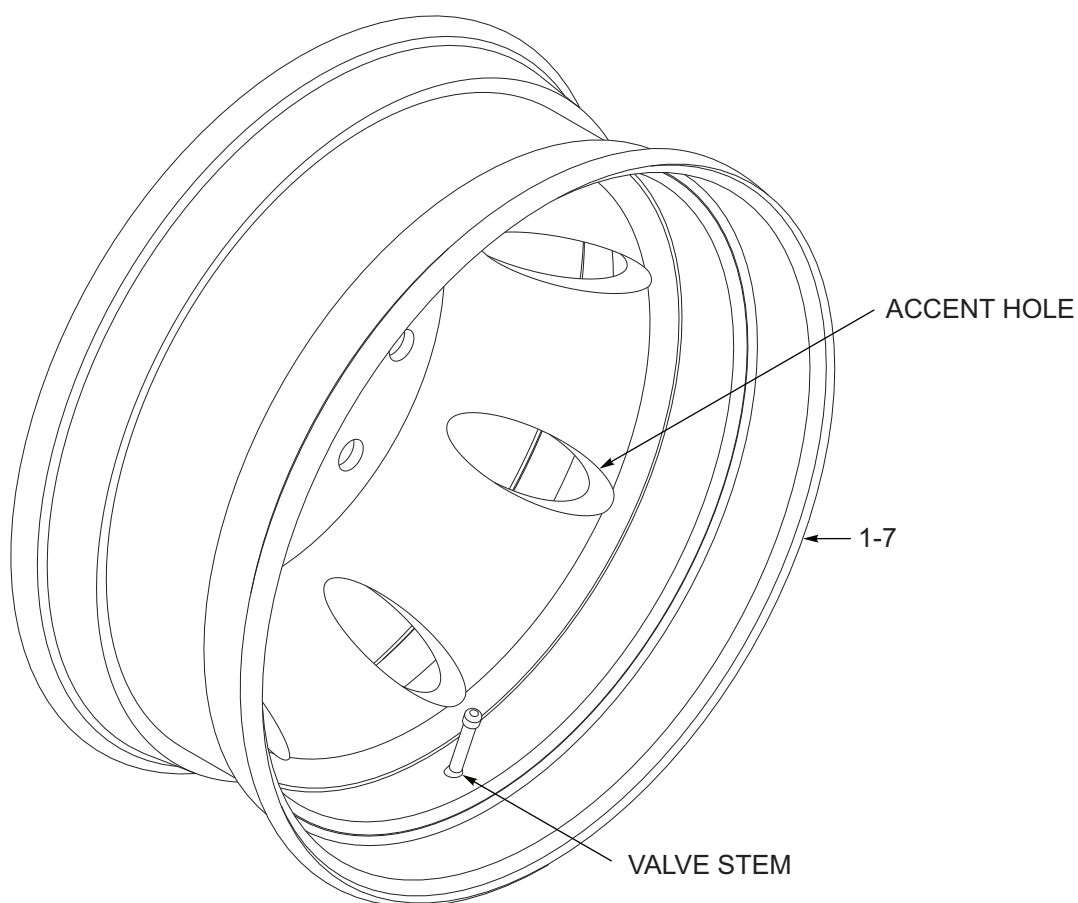
Axle 16.5 x 7 Drum and Hub Assembly, Dexter

ITEM	PART NUMBER	DESCRIPTION	QTY
	212421	AXLE 75, 16.5 X 7 SPG BRK - 25K (REPLACED 115715, 138955 AFTER 06/16/2018)	--
1	HM218210	BEARING CUP,INNER-DEXTERD225K (PART OF ITEM 11 INCLUDES 1 EACH)	2
2	HM218248	INNER BEARING	2
3	HM212011	OUTER CUP (PART OF ITEM 11 INCLUDES 1 EACH)	2
4	HM212049	OUTER BRG A19S	2
5	105106	STAR L/W (005-098-00)	2
6	105107	LOCK WASHER (005-099-00)	2
7	103103-002	NUT INNER SPINDLE DEXTER (006-114-00)	2
8	006-115-00	NUT OUTER, SPINDLE, DEXTER (103102-001)	2
9	1-861-010034-10	WASHER,LKG 5/16	12
10	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	12
11	110975	HUB FOR 103781 (100 TOOTH TONE RING) (INCLUDES ITEMS 1, 3)	2
12	179955	NUT,FLANGE MM22X1.5 (1.50HEX) (179933, 153408)	20
13	113536	STUD RH 22MM 3.5 STANDOUT (131069)	20
14	110976	DRUM FOR 103781	2
15	3067	GASKET HUB (153402)	2
16	4009	BOLT ON HUB CAP W/PLUG (OIL CAP INCLUDES VENT PLUG AND ITEM 15)	2
17	3-659-010012	SEAL, AXLE	2
18	3-870-010107	WHEEL-GUARD,10STD 285.75MM BC (NYLON SPACER USED TO SEPARATE STEEL RIM OR DRUM FROM ALUMINUM RIM)	2
18	123882	SPACER,WHEEL,375X10HOLE HUB (STEEL SPACER)	2
19	137108	HUBODOMETER INSTL 255TIRE (572RPM) (OPTION INCLUDES ITEMS 21, 22)	1
20	113109	HUBODOMETER 572 RPM	1
21	197606	BRACKET HUBODOMETER 4"H TIS	1

IMPORTANT: IF ORDERING TIRE ASSEMBLIES OR REPLACEMENT WHEELS, PROVIDE THE DEALER WITH THE TRAILER VIN NUMBER TO PROPERLY IDENTIFY ORIGINAL PARTS.

MAIN CHARACTERISTICS TABLE:

ITEM	WHEEL	STUDS	BOLT PATTERN	HUB BORE	OFFSET
1	17.5 X 6.75	8	10.827 (275 MM)	8.70 (221.1 MM)	5.55
2	17.5 X 6.75	8	10.827 (275 MM)	9.00 (228.6 MM)	5.60
3	22.5 X 7.50	10	11.25 (285.75 MM)	8.66 (220 MM)	6.45
4	22.5 X 7.50	10	11.25 (285.75 MM)	8.78 (223 MM)	6.44
5	22.5 X 8.25	10	11.25 (285.75 MM)	8.66 (220 MM)	6.59
6	22.5 X 8.25	10	11.25 (285.75 MM)	8.66 (220 MM)	6.60
7	22.5 X 8.25	10	11.25 (285.75 MM)	8.66 (220 MM)	6.62



8 ACCENT HOLE WHEEL SHOWN AS REFERENCE:

NOT SHOWN: #8 VALVE STEM EXTENSION (OPTION)

Figure 1-57: Wheels

Wheels

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	100402	WHEEL POL ALUM PILOT 17.5X6.75 (USES TR-553C VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM) (ALCOA, ACCURIDE)	1
1	112047	WHEEL AL PILOT 17.5X6.75 MACH (USES 100401 VALVE STEM) (8 ACCENT HOLES, MACHINED, ALUMINUM)	1
1	232809	WHEEL AL PILOT 17.5X6.75 (POL) (USES 238615 VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM) (FLEETSIDE)	1
1	223938	WHEEL AL PILOT 17.5X6.75 POL (USES 236462 VALVE STEM) (10 ACCENT HOLES, POLISHED, ALUMINUM) (FLEETSIDE)	1
2	224322	WHEEL AL PLT MT 17.5X6.75 D-BT (USES 100401 VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM) (DURA-BRIGHT)	1
2	230730	WHEEL DISC PLT MNT 17.5X6.75 (USES TR500 VALVE STEM) (4 HAND HOLES, PAINTED BLACK, STEEL)	1
2	3-870-010097 STOP	WHEEL,DISC,PILOT MT 17.5X6.75 (USES TR500 VALVE STEM) (4 ACCENT HOLES, PAINTED WHITE, STEEL)	1
3	139600	WHEEL,AL DURA BRITE 255/70R (USES TR545D VALVE STEM) (10 ACCENT HOLES, POLISHED, ALUMINUM)	1
3	3-870-010106	WHEEL,AL,PILOT MT 22.5X7.5POL (USES TR545D VALVE STEM) (10 ACCENT HOLES, POLISHED, ALUMINUM)	1
3	3-870-010116	WHL,ALM,PLT MT 22.5X7.50 (USES TR545D VALVE STEM) (10 ACCENT HOLES, UNPOLISHED, ALUMINUM)	1
4	3-870-010104	WHEEL,DISC PILOT MT 22.5X7.50 (USES TR500 VALVE STEM) (5 ACCENT HOLES, PAINTED WHITE, STEEL)	1
5	111416	WHEEL ALUM PLT 22.5X8.25 POL (USES TR545D VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM)	1
5	111417	WHEEL,ALUM,PLT 22.5X8.25 MACH (USES TR545D VALVE STEM) (8 ACCENT HOLES, MACHINED ALUMINUM)	1
5	134757	WHEEL AL PLT 22.5X8.25 POL CTG (USES TR545D VALVE STEM) (8 ACCENT HOLES, POLISHED COATING, ALUMINUM)	1
6	150346	WHEEL,ALUM,DURA-BRT 22.5X8.25 (USES TR545D VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM)	1
7	111652	WHEEL,PILOT MT 22.5X8.25, PP (USES TR573D VALVE STEM) (10 HAND HOLES, SPECIFY BLACK OR SILVER STEEL)	1
7	3-870-010110	WHEEL,DISC,PILOT MT 22.5X8.25 (USES TR573 VALVE STEM) (5 ACCENT HOLE, PAINTED WHITE, STEEL)	1
8	1-843-010014	VALVE EXTENSION,STEM (3 INCH) (OPTION)	1

Air Brake System

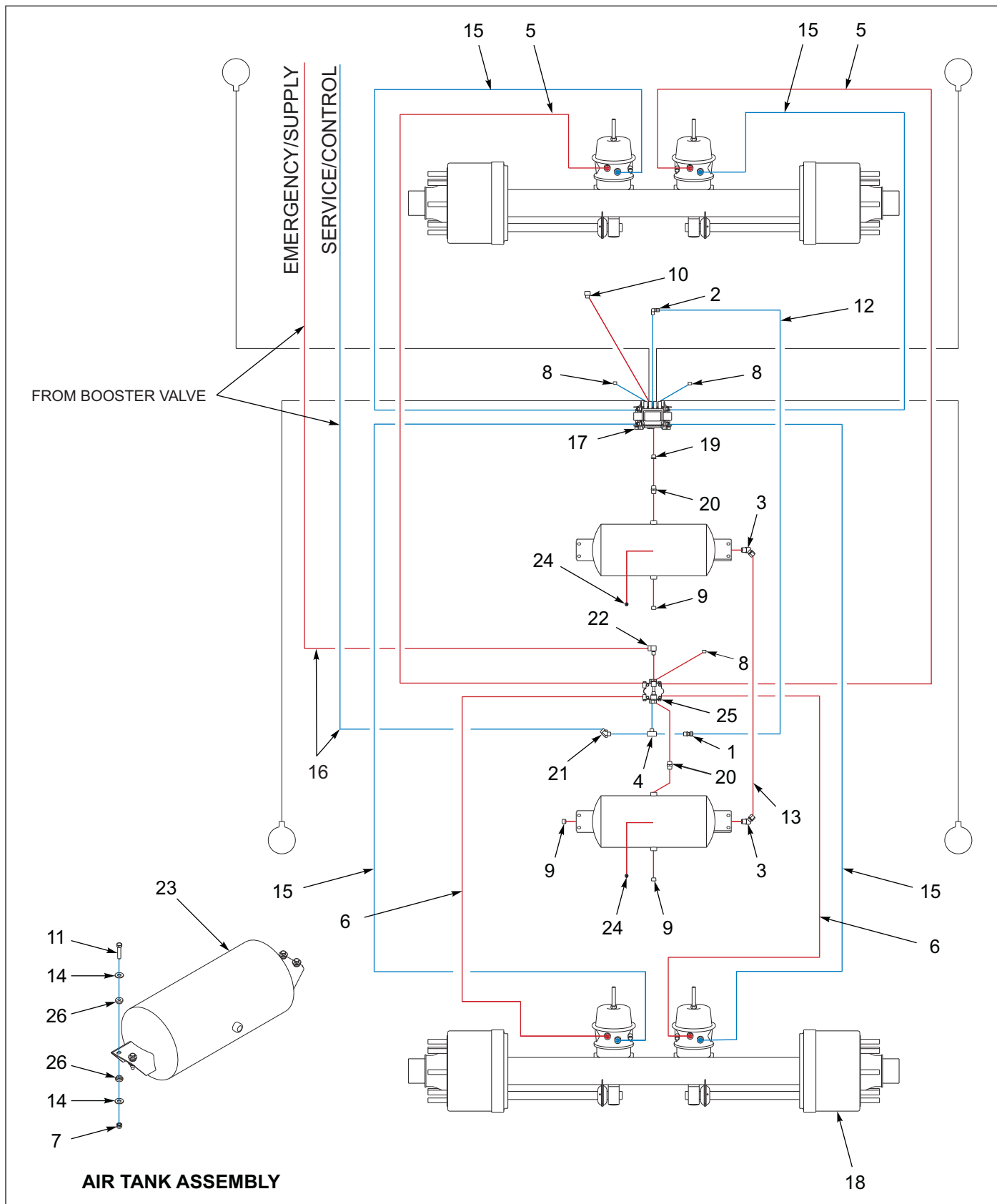


Figure 1-58: 930E-Air Brake System

930E-Air Brake System

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP 930E-12, 2512-77 (REF. ONLY)	
	214500	SUSP 930E-12, 2516-75 (REF. ONLY)	
	215051	SUSP 930E-14, 2512-77 (REF. ONLY)	
	215052	SUSP 930E-14, 2516-75 (REF. ONLY)	
	215053	SUSP 930E-15, 2512-77 (REF. ONLY)	
	215054	SUSP 930E-15, 2516-75 (REF. ONLY)	
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
3	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB	2
4	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
5	1-384-010038024	HOSE AIR 3/8X24	2
6	1-384-010038038	HOSE AIR 3/8X38	2
7	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	8
8	1-560-010002-03	PLUG, PIPE, 3/8NPTF	3
9	1-560-010002-04	PLUG, PIPE, 1/2NPT	3
10	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
11	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G	8
12	1-833-010002	TUBING NYLON 3/8 OD	9
13	1-833-010003	TUBING NYLON 1/2 OD	10
14	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	16
15	101003	HOSE AIR 3/8X48 W/3/8 ENDS	4
16	109209	HOSE,AIR 3/8X244 W/3/8 ENDS	2
17	114584	ABS KIT WABCO 4S/2M TAB	1
18	115747	AXLE WLDMT 2512 SPG 7739.5	REF
19	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
20	2083-8-8S	NIPPLE 1/2NPTX1/2NPT	2
21	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	1
22	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1
23	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
24	56D4	COCK,DRAIN AIR TANK VEL, 036019	2
25	758-181	VALVE TASK 4 PORT	1
26	805-2	BUSHINGS, STEP	16

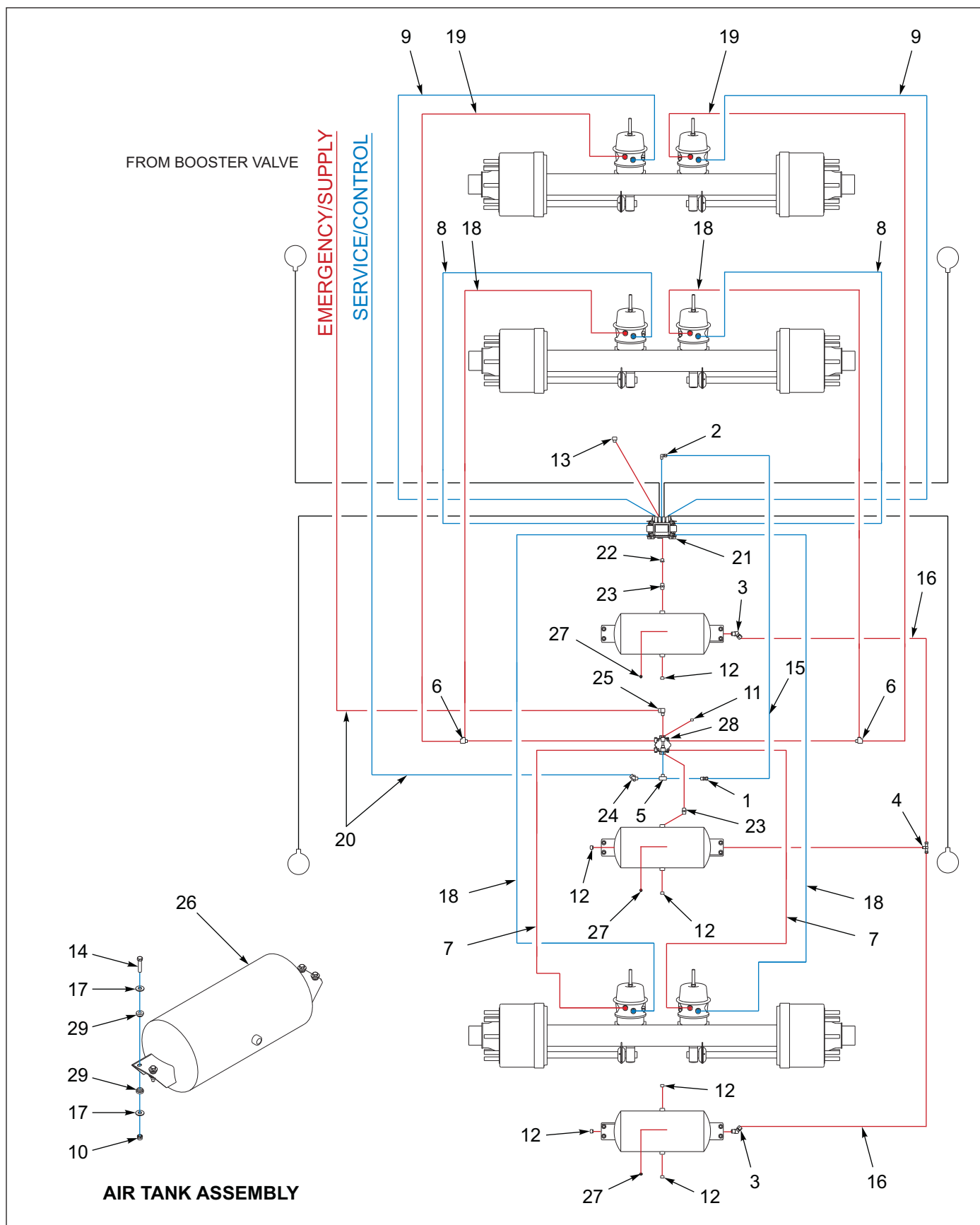


Figure 1-59: 950E-Air Brake System

950E-Air Brake System

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215086	SUSP 950E-12, 2512-77 (REF. ONLY)	
	215087	SUSP 950E-12, 2516-75 (REF. ONLY)	
	215088	SUSP 950E-14, 2512-77 (REF. ONLY)	
	215099	SUSP 950E-14, 2516-75 (REF. ONLY)	
	215090	SUSP 950E-15, 2512-77 (REF. ONLY)	
	215091	SUSP 950E-15, 2516-75 (REF. ONLY)	
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
3	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB	2
4	1-297-010015-11	FITTING,AIR,BR TEE 1/2T-1/2P	1
5	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
6	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	2
7	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	2
8	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	2
9	1-384-010038076	HOSE ASM AIR 3/8X76,W/3/8 END	2
10	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	12
11	1-560-010002-03	PLUG, PIPE, 3/8NPTF	1
12	1-560-010002-04	PLUG, PIPE, 1/2NPT	6
13	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
14	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G	12
15	1-833-010002	TUBING NYLON 3/8 OD	10
16	1-833-010003	TUBING NYLON 1/2 OD	10
17	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	24
18	101003	HOSE ASM AIR 3/8X48,W/3/8 END	4
19	103738	HOSE ASM AIR 3/8X100,W/3/8 END	2
20	112244	HOSE ASM AIR 3/8X268,W/3/8 END	2
21	114586	ABS KIT WABCO 4S/2MTRI/SPREAD	1
22	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
23	2083-8-8S	NIPPLE 1/2NPTX1/2NPT	2
24	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	1
25	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1
26	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
27	56D4	COCK,DRAIN AIR TANK VEL, 036019	3
28	758-181	VALVE TASK 4 PORT	1
29	805-2	BUSHINGS, STEP	24

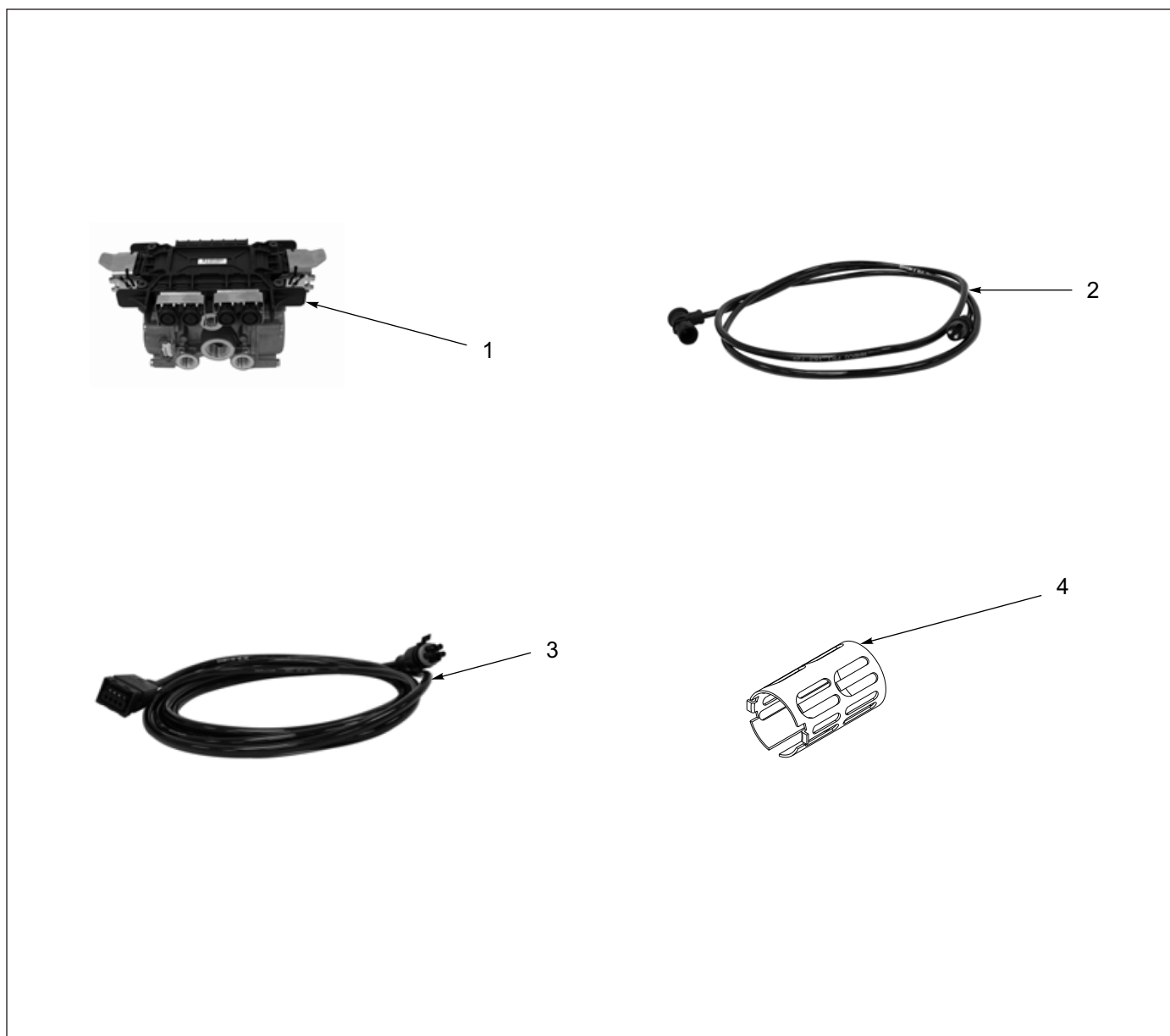


Figure 1-60: Kit-ABS Brake-Rockwell

Kit-ABS Brake-Rockwell

ITEM	PART NUMBER	DESCRIPTION	QTY.
	114584	ABS BRAKE KIT 4S/2M	
	114586	ABS BRAKE KIT 4S/2M-TRI/SPRD	
1	114588	ECU/VALVE ASSEMBLY	1
2	101848	SENSOR EXTENSION CABLE - 6 FT (114584)	4
2	103861	SENSOR EXTENSION CABLE - 10 FT (114586)	4
3	147464	POWER/DIAGNOSTIC CABLE 4.0M/3.0M	1
4	101849	SPRING CLIP, ABS SENSOR	2
5	101847	ABS SENSOR CABLE-4M 90° (1FT) (NOT SHOWN) (SEE PAGES 1-86, 1-89 & 1-97 FOR REFERENCE)	2

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Tire Inflation System

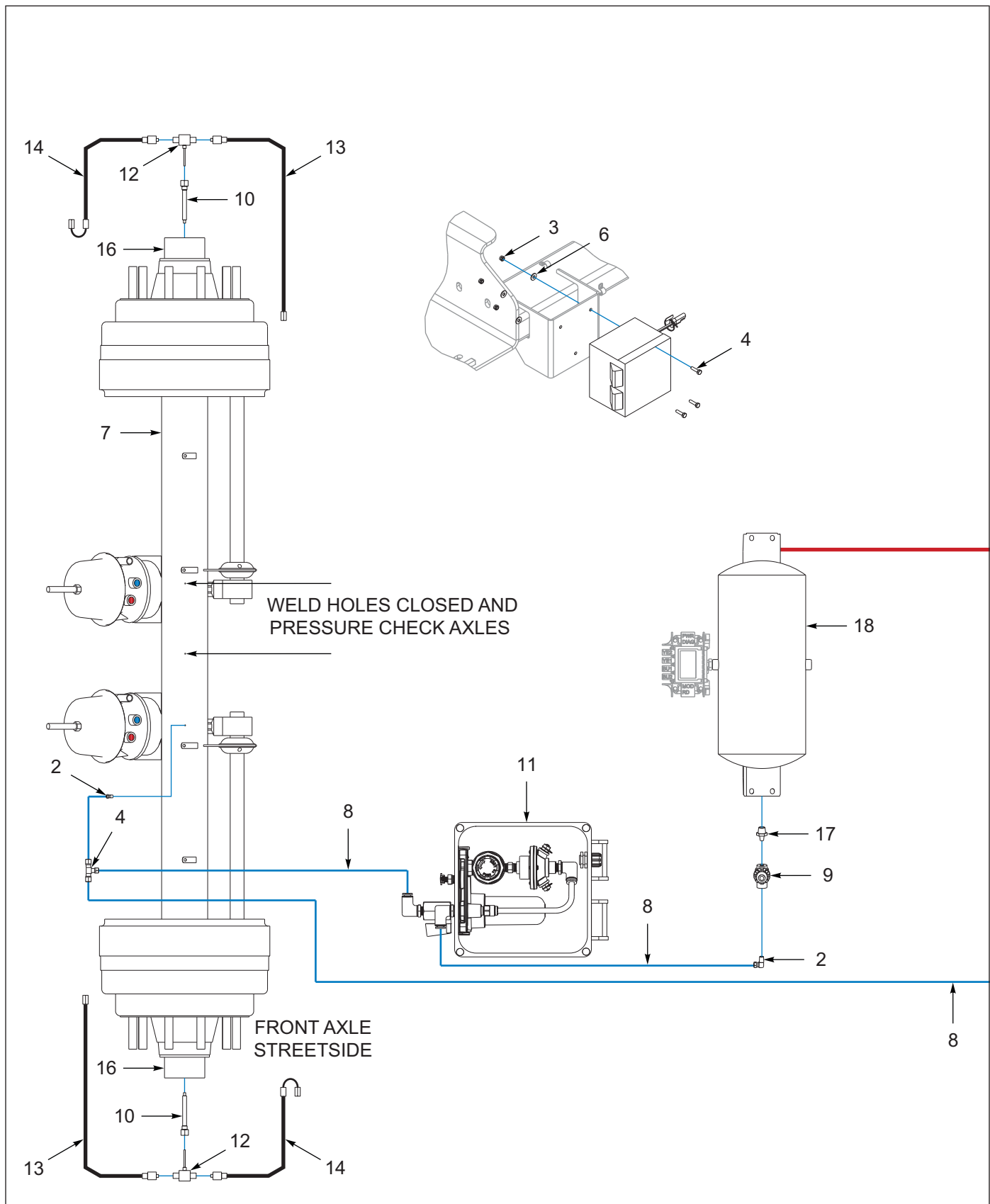


Figure 1-61: Thermalert, 2 Axle Air System (OPTION) (1 of 2)

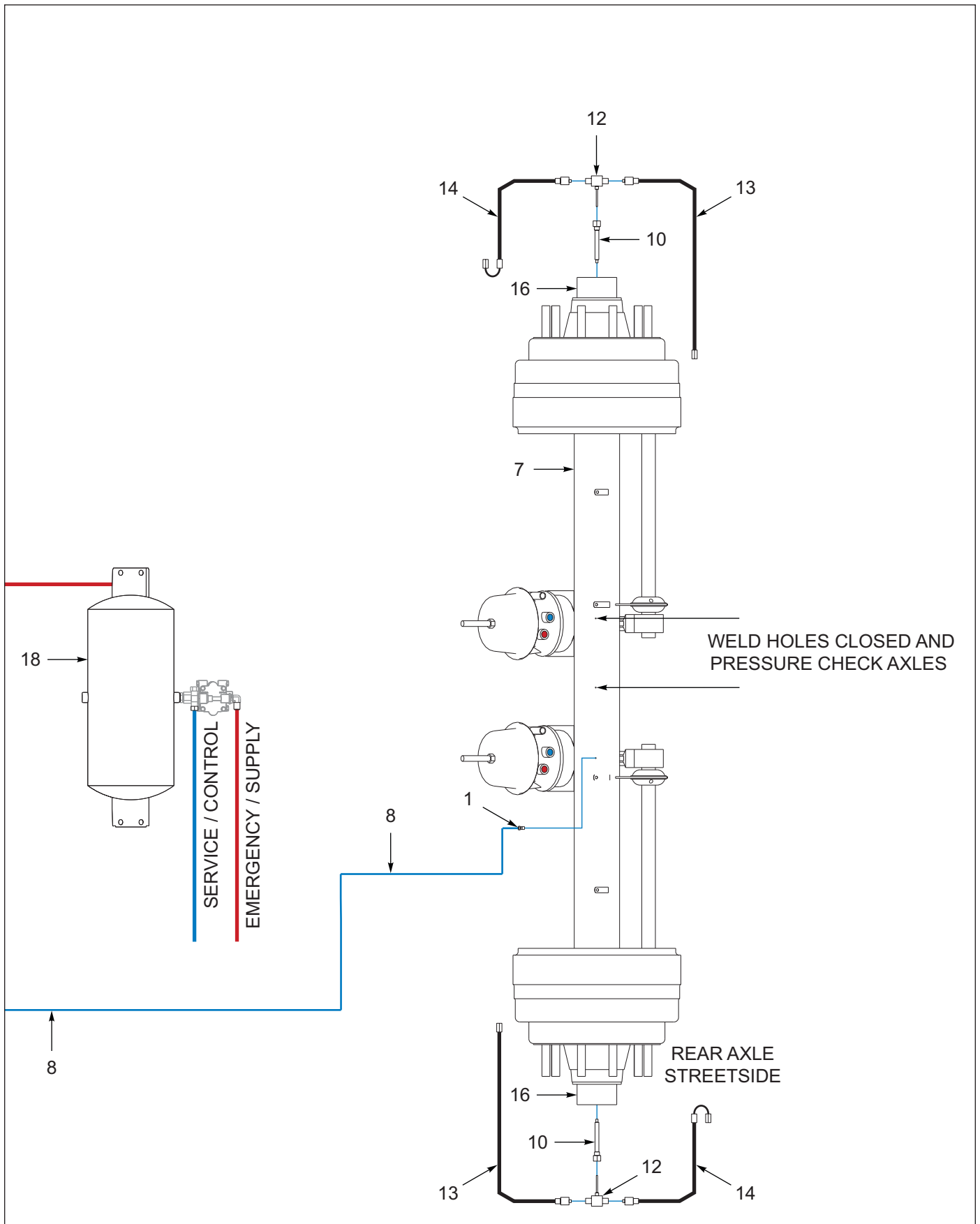


Figure 1-62: Thermalert, 2 Axle Air System (OPTION) (2 of 2)

Thermalert, 2 Axle Air System (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223304	2 AXLE TIS TRAVELING AXLE	--
1	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	2
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	1
3	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
4	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	3
5	1-833-010001	TUBING NYLON 1/4 OD	--
6	1-861-010032-07	WASHER,FLAT 1/4 ZP	3
7	138962	AXLE WLDMT 2516 SPG 79 TIS	--
8	168593	THERMALERT TIS 2 AXLE (NOT SHOWN - SEE PAGE 1-117)	1
9	168610	THERMALERT PRESS PROT VALVE (PART OF ITEM 8)	1
10	168616	THERMALERT STAT & FILTER ASSY (PART OF ITEM 8)	6
11	168618	THERMALERT CONTROL BOX (PART OF ITEM 8)	1
12	178592	THRU TEE ASSEMBLY 4.25" (PART OF ITEM 8) (INCLUDES SHIELD & VENT CAP)	6
13	180839	TIS LONG HOSE (PART OF ITEM 8)	6
14	180840	TIS SHORT HOSE (PART OF ITEM 8)	6
15	183413	LIGHT,WHT LED .75 CL/MK GROTE (NOT SHOWN - SEE PAGE 1-117)	1
16	197613	HUB CAP TIS OIL AXLE (STANDARD)	4
16	197318	HUB CAP TIS GREASE AXLE (OPTION)	4
17	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
18	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2

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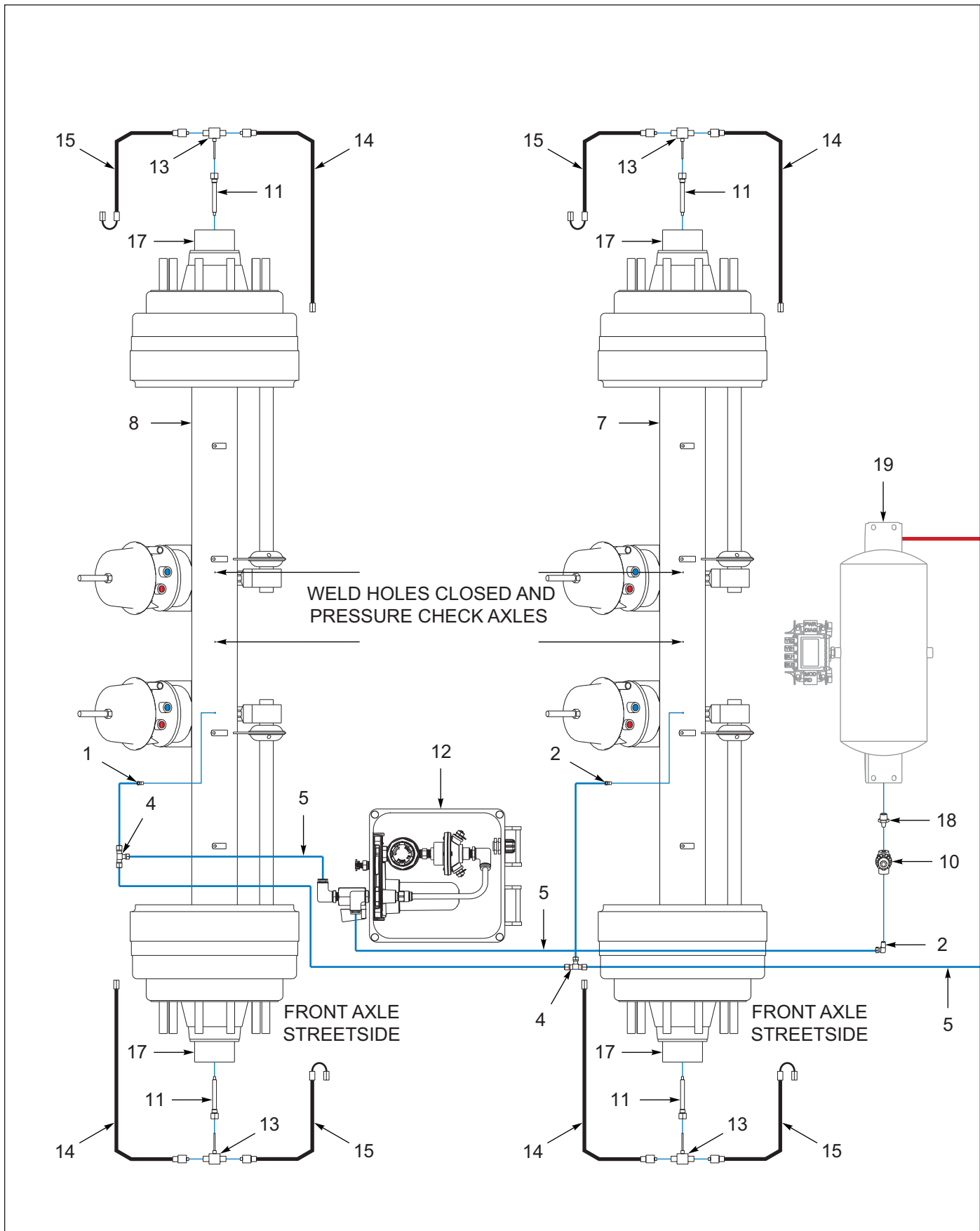


Figure 1-63: Thermalert, 3 Axle Air System (OPTION) (1 of 2)

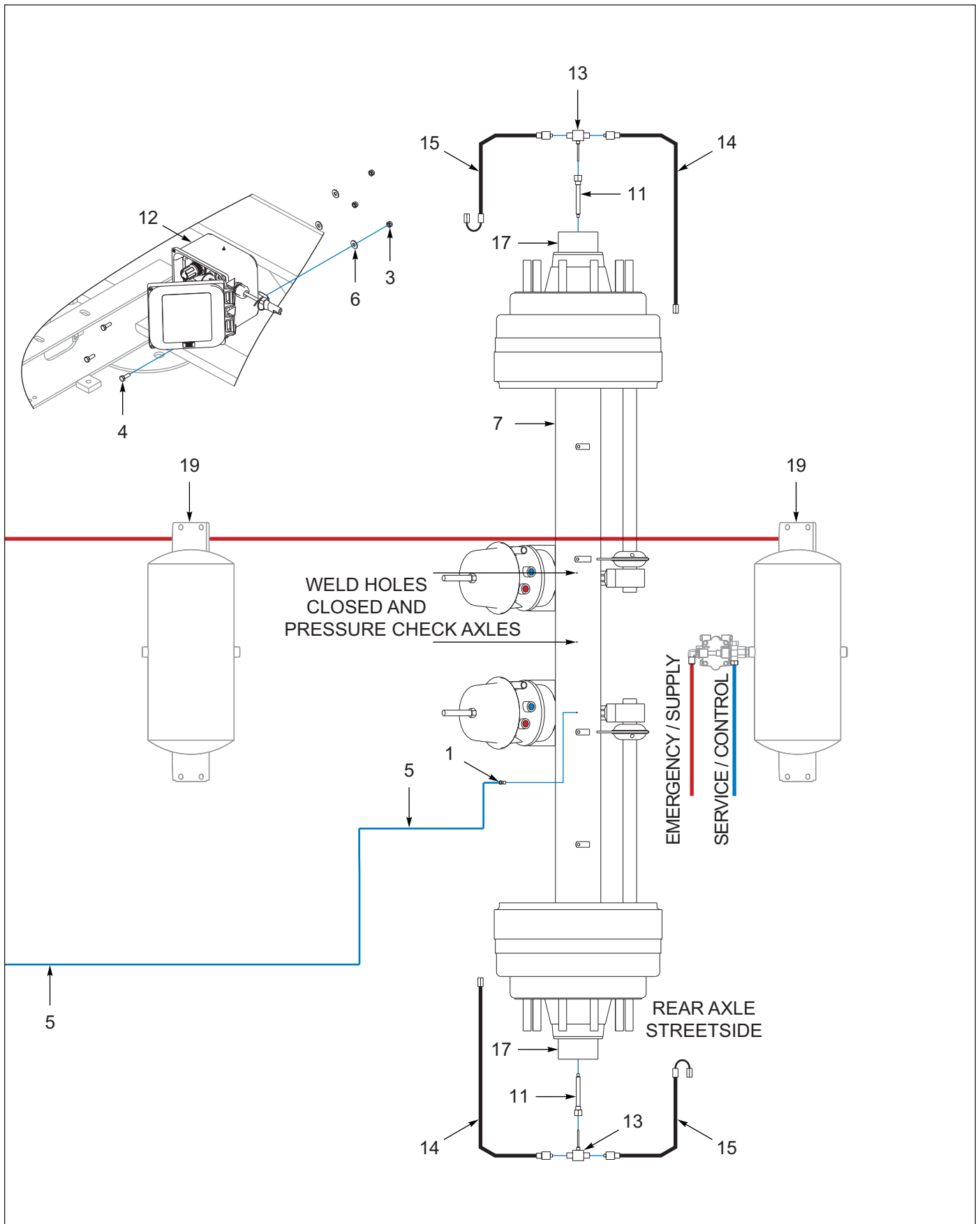


Figure 1-64: Thermalert, 3 Axle Air System (OPTION) (2 of 2)

Thermalert, 3 Axle Air System (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223306	3 AXLE TIS TRAVELING AXLE	--
1	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	2
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	1
3	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
4	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	3
5	1-833-010001	TUBING NYLON 1/4 OD	--
6	1-861-010032-07	WASHER,FLAT 1/4 ZP	3
7	138962	AXLE WLDMT 2516 SPG 79 TIS	--
8	142891	AXLE WLDMT 2516 SPG 79FMT TIS	--
9	195395	THERMALERT TIS 3 AXLE (NOT SHOWN - SEE PAGE 1-117)	1
10	168610	THERMALERT PRESS PROT VALVE (PART OF ITEM 9)	1
11	168616	THERMALERT STAT & FILTER ASSY (PART OF ITEM 9)	6
12	168618	THERMALERT CONTROL BOX (PART OF ITEM 9)	1
13	178592	THRU TEE ASSEMBLY 4.25" (PART OF ITEM 9) (INCLUDES SHIELD & VENT CAP)	6
14	180839	TIS LONG HOSE (PART OF ITEM 9)	6
15	180840	TIS SHORT HOSE (PART OF ITEM 9)	6
16	183413	LIGHT,WHT LED .75 CL/MK GROTE (NOT SHOWN - SEE PAGE 1-117)	1
17	197613	HUB CAP TIS OIL AXLE (STANDARD)	6
17	197318	HUB CAP TIS GREASE AXLE (OPTION)	6
18	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
19	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3

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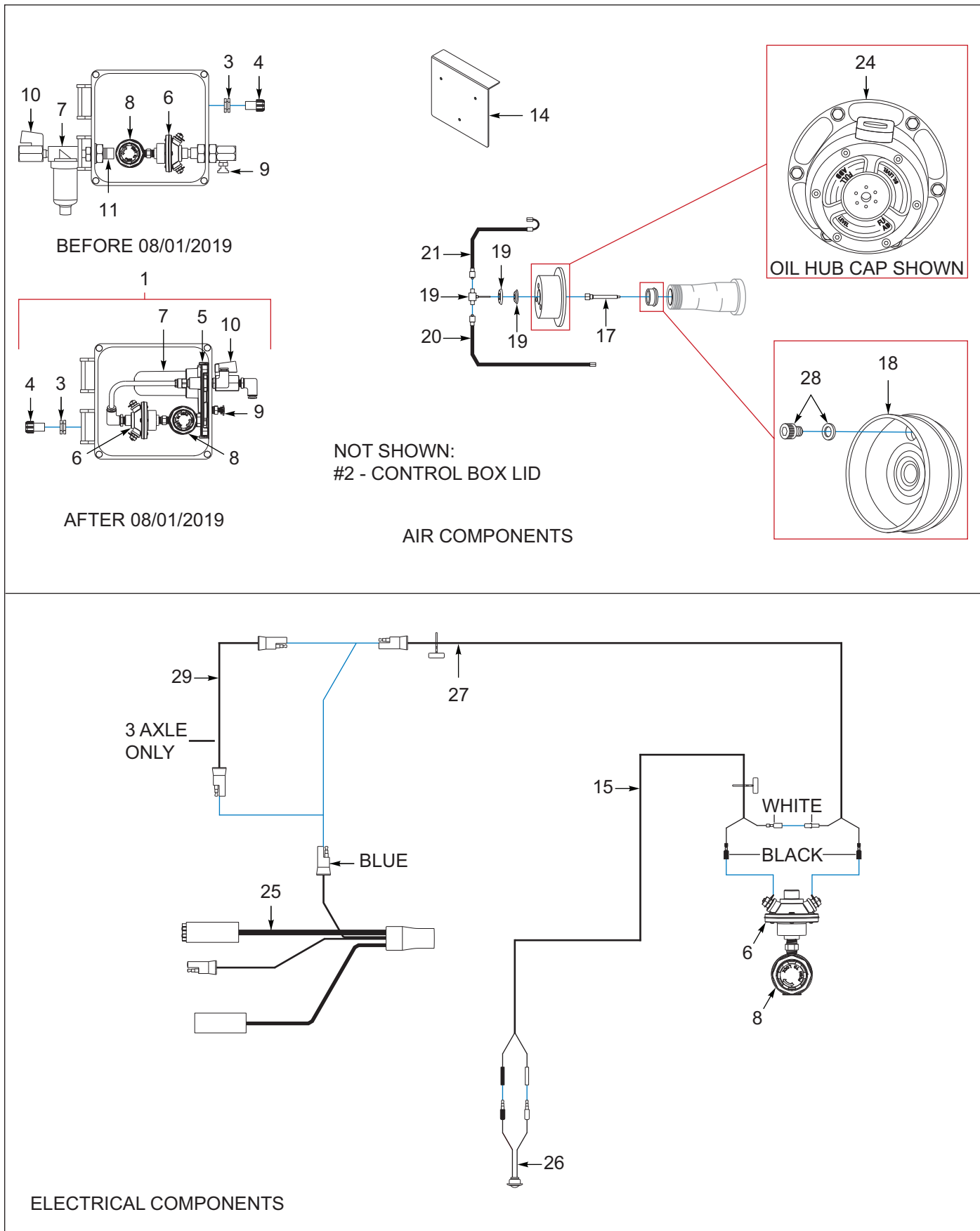


Figure 1-65: Thermalert Electrical System & Components (OPTION)

Thermalert Electrical System & Components (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	168593	THERMALERT TIS 2 AXLE (INCLUDES ITEMS 1-23)	--
	195395	THERMALERT TIS 3 AXLE (INCLUDES ITEMS 1-23)	--
1	168618	THERMALERT CONTROL BOX (BEFORE 08/01/2019 INCLUDES ITEMS 2-4, 6-11) (AFTER 08/01/2019 INCLUDES ITEMS 2-10)	1
2	216705	CONTROL BOX LID (180226) (NOT SHOWN)	1
3	106-0006	NUT 1/2 CONDUIT STL	1
4	20125	STRAIN RELIEF, 1/4TO3/8	1
5	230613	TIS MANIFOLD ASSY (AFTER 08/01/2019) (INCLUDES ITEMS 7-8 PLUS GASKET, 4 SCREWS & 8" AIR LINE)	1
6	180229	FLOW SENSE SWITCH (216704)	1
7	180228	SELF-DRAINING FILTER (BEFORE 08/01/2019)	1
7	----	PARTICULATE FILTER ASSEMBLY (AFTER 08/01/2019 PART IF ITEM 5)	--
8	180224	PRESSURE REGULATOR VALVE (216708) (BEFORE 08/01/2019)	1
8	----	PRESSURE REGULATOR (AFTER 08/01/2019 PART OF ITEM 5)	--
9	180225	PETCOCK (216706)	1
10	180223	SHUT-OFF VALVE (216709)	1
11	180227	BULKHEAD/CHECK VALVE (BEFORE 08/01/2019 ONLY)	1
12	1-833-010001	TUBING NYLON 1/4 OD (NOT SHOWN - SEE PAGE 1-110 & 1-114)	--
13	168610	THERMALERT PRESS PROT VALVE (NOT SHOWN - SEE PAGE 1-110 & 1-114)	1
14	168611	THERMALERT CNTRL BOX BRKT	1
15	168613	THERMALERT WIRING HARNESS	1
16	168614	THERMALERT LIGHT BAG ASSY (NOT SHOWN)	1
17	168616	THERMALERT STAT & FILTER ASSY (PER AXLE)	2
18	168617	THERMALERT PRESS PLUG ASSY (PER AXLE)	2
19	178592	THRU TEE ASSEMBLY 4.25" (INCLUDES SHIELD & VENT CAP) (PER AXLE)	2
20	168612	TIS LONG HOSE (180839) (17" LONG) (PER AXLE)	2
21	180222	TIS SHORT HOSE (180840) (13-1/2" LONG) (PER AXLE)	2
22	205836	ORANGE WARNING DECAL TIS (NOT SHOWN)	1
23	205837	YELLOW WARNING DECAL TIS (NOT SHOWN)	2
24	197318	HUB CAP TIS GREASE AXLE (OPTION) (PER AXLE)	2
24	197613	HUB CAP TIS OIL AXLE (STANDARD) (PER AXLE)	2
25	143103	HARNESS ECHAIN GROTE	--
26	183413	LIGHT,WHT LED .75 CL/MK GROTE	1
27	202207	HARNESS MOD, TIS POWER ASSY	1
28	228069	THERMALERT THERMAL PLUG KIT (INCLUDES 1 PLUG AND 1 GASKET)	1
29	3-368-010252	HARNESS ASSY BKHD LIGHT EXT (3 AXLE ONLY)	1

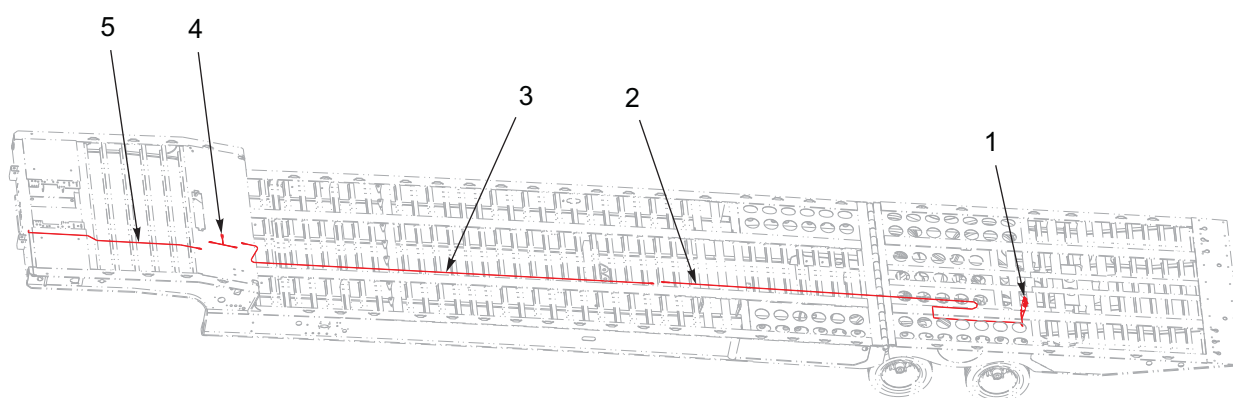


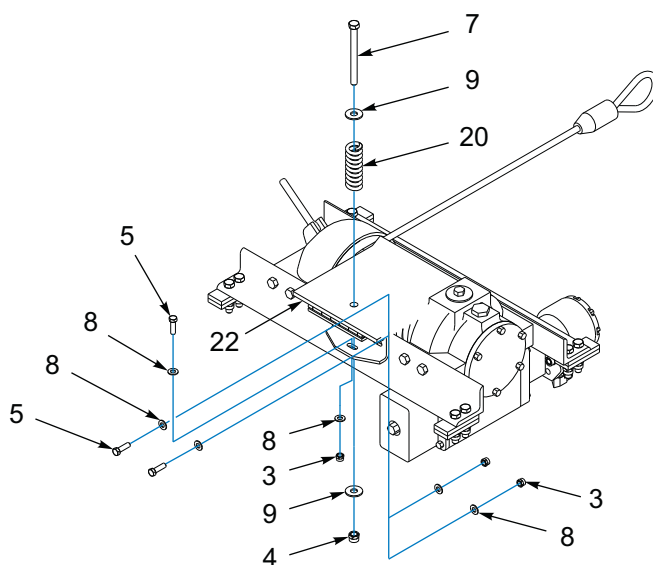
Figure 1-66: Kit-Harness-Tire Inflation System

Kit-Harness-Tire Inflation System (OPTION)

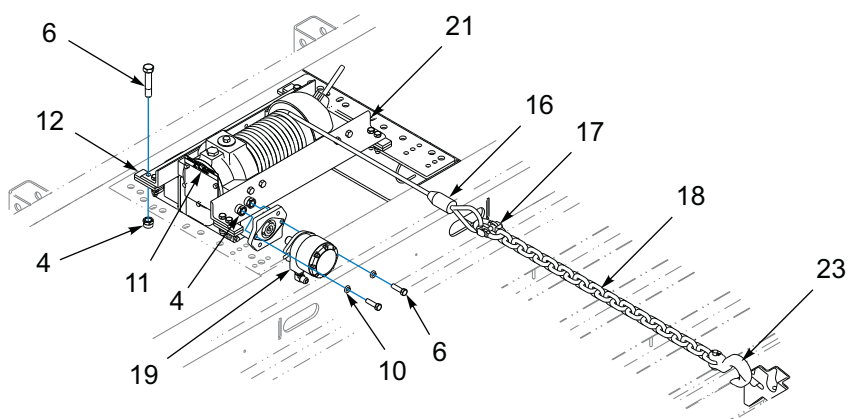
ITEM	PART NUMBER	DESCRIPTION	QTY.
	176473	HARNESS KIT, TIRE INFLATION SYSTEM	
1	195395	TIRE INFLATION SYSTEM 3AX	REF
1	168593	TIRE INFLATION SYSTEM 2AX	REF
2	176476	HARNESS, TIRE INFLATION LD25S	1
3	176477	HARNESS, TIRE INFLATION LD30	1
4	176478	HARNESS, TIRE INFLATION LDPWR	1
5	176479	HARNESS, TIRE INFLATION LD15L	1

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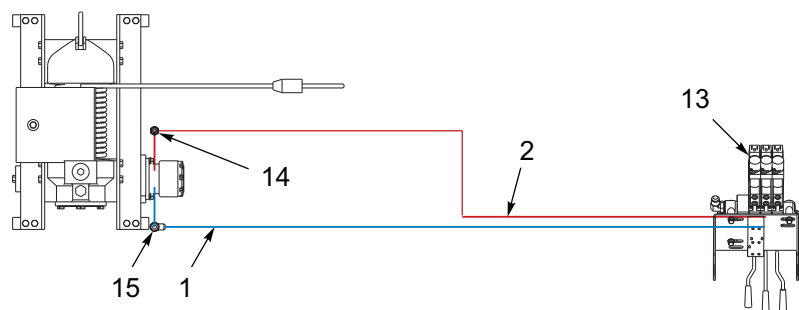
Winches



SPRING TENSIONER ASSEMBLY



WINCH ASSEMBLY

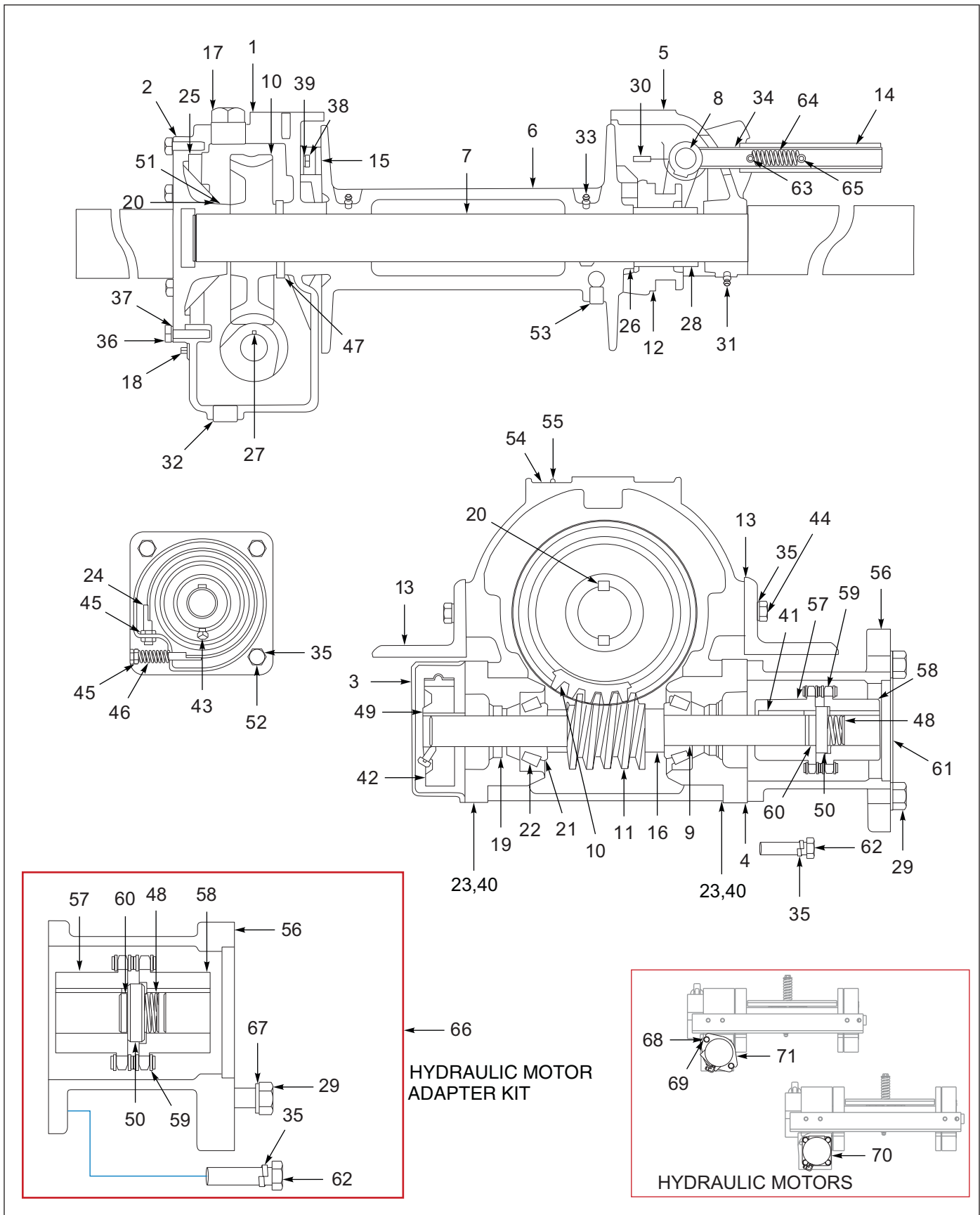


HYDRAULIC SYSTEM

Figure 1-67: Winch Installation - 12K Spring Tension (BRADEN)

Winch Installation - 12K Spring Tension (BRADEN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010144-01	WINCH, 12K SPRING TENSION	
1	1-397-010301170	HOSE ASSEMBLY 1/2 X 170	1
2	1-397-010302172	HOSE ASSEMBLY 1/2 X 172	1
3	1-512-010005-05	NUT, HEX LOCK 3/8-16	3
4	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	11
5	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	3
6	1-654-010055-04	SCREW, HEX, 1/2-13 UNC X 1-3/4 GR5	10
7	1-654-010055-16	SCREW, HEX HEAD CAP 1/2-13 X 5-1/2 GR5	1
8	1-861-010032-10	WASHER, FLAT 3/8N	6
9	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	2
10	1-861-010034-13	WASHER, SPLIT LOCK 1/2	2
11	100600	DECAL, WARNING, BRADEN WINCH	1
12	116378	SPACER, WINCH	8
13	148241	VALVE ASSEMBLY, 3-SPOOL 400 (SEE PAGE 1-26)	REF
14	202702-10-8S	ADAPTER, #10 O-RING - #8 TUBE	1
15	2062-10-8S	ADAPTER, 90, #10 O-RING - #8 TUBE	1
16	3-155-010017-4	CABLE ASSEMBLY, 1/2 X 85' LENGTH	REF
17	3-174-010038	CHAIN LINK, CONNECTING, 1/2	1
18	3-174-010039036	CHAIN, 1/2 X 36" GRD7	1
19	3-481-010006	MOTOR HYD. - 12K (SEE PAGE 1-139)	1
20	3-720-010010	SPRING COMPRESSION	1
21	3-873-010122	WINCH ASSEMBLY, 12,000LB.	1
22	3-873-010124	WINCH TENSIONER, 20K BRADEN SPRING	1
23	7HCGHT500	HOOK, CLEVIS, GRAB 1/2	1



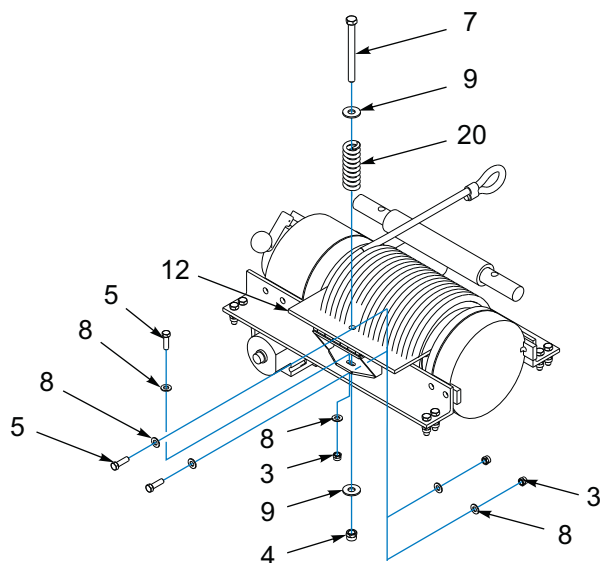
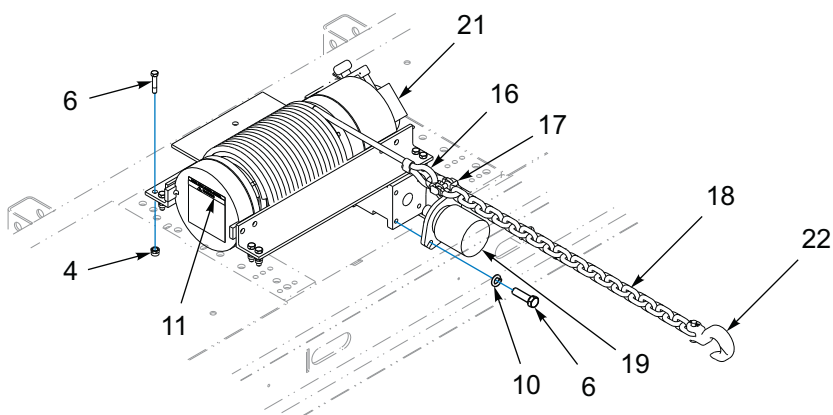
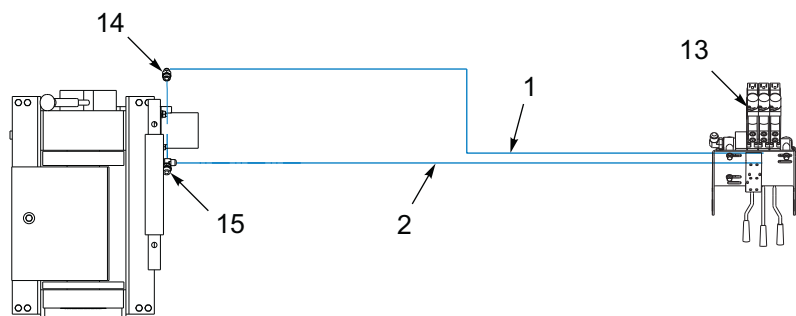
Winch Items - 12K (BRADEN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010122	WINCH, WORM GEAR 12,000 LB	--
1	81006	HOUSING	1
1	18078	BUSHING-WORM HSNQ ASSY12MBRAD	1
2	81009	LU2-144-0 WORM HOUSING COVER	1
2	11368	BUSHING 12K WORM WINCH HOUSING	1
3	18032	BEARING CONTAINER	1
4	23303	CONTAINER BEARING	2
5	81530	LEG ASSY	1
6	11128	CABLE DRUM	1
7	11129	CABLE DRUM SHAFT	1
8	11130	SHIFTER SHAFT BRADEN	1
9	23470	WORM SHAFT	1
10	11144	GEAR, WORM, LH (BIG GEAR)	1
11	11142	WORM (LITTLE GEAR)	1
12	18039	CLUTCH COLLAR	1
13	22752	ANGLE BASE ALU-2-146 12M BRAD	2
14	12817	SHIFTER HANDLE	1
15	81025	DRAG BRAKE LGU2-10F WINCH	1
16	11308	WORM SPACER	2
17	-----	PLUG PIPE (22775)	1
18	18009	PLUG	1
19	18026	SEAL	2
20	11117	KEY	2
21	18015	BEARING CONE BRADEN LGU2	2
22	18016	BEARING CUP BRADEN LGU2	2
23	18027	GASKET	3
24	21925	BRK BAND ASSY	1
25	11133	SEAL	3
26	18019	RING RETAINER	1
27	18030	KEY	1
28	18020	CLUTCH KEY	2
29	-----	CAPSCREW (10009)	2
30	11837	ROLL PIN	2
31	18047	GREASE FITTING	1
32	19045	DRAIN PLUG	1
33	-----	FITTING GREASE (11799)	2
34	13839	SHIFTER FORK	1
35	110450	LOCKWASHER #18003	16
36	-----	CAPSCREW (11767)	6
37	11011	WASHER LOCK	6
38	-----	CAPSCREW (13005)	2
39	-----	WASHER LOCK (12780)	2
40	18024	GASKET	3
41	18044	KEY	1
42	18028	BRAKE DRUM	1
43	12075	SET SCREW	1
44	-----	CAPSCREW (21961)	12
45	13468	NUT	4

Winch Items - 12K (BRADEN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
46	18029	BRAKE BAND SPRING	1
47	11240	THRUST RING BRADEN LUU2	1
48	110452	SPRING #23353	1
49	10078	ROTOR KEY	1
50	23078	CONSTANT SPACER	1
51	13680	RING,THRUST	1
52	110453	CAPSCREW #22703	4
53	218058	SET SCREW 12K WINCH CABLE	1
54	-----	WARNING PLATE (23310)	1
55	-----	DRIVE SCREW (11842)	2
56	23079	MOTOR ADAPTER 12M WINCH	1
57	23081	COUPLER HALF WINCH	1
58	23083	COUPLING HALF MOTOR LGU2-10F	1
59	13424	CHAIN RLR	1
60	115851	SPACER #23085	1
61	-----	SHIPPING COVER (21959)	1
62	110449	CAPSCREW #22704	4
63	13028	ROLL PIN	1
64	18002	SPRING	1
65	18056	ROLLPIN	1
66	61333	HYD. MOTOR ADAPTER KIT, 12,000# WINCH (INCLUDES ITEMS 48, 50, 56-60)	1
67	216581	LOCKWASHER (11026)	4
68	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4 (4 EACH FOR 3-873-010126-1) (2 EACH FOR 3-873-010126-2)	--
69	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2 (4 EACH FOR 3-873-010126-1) (2 EACH FOR 3-873-010126-2)	--
70	104-1003	WINCH MOTOR (CHAR-LYNN)	1
71	3-481-010006	MOTOR,HYD 7.1 CU IN/REV,SAE A (PARKER)	1

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**SPRING TENSIONER ASSEMBLY****WINCH ASSEMBLY****HYDRAULIC SYSTEM****Figure 1-69: Winch Items - 20K Spring Tension (BRADEN)**

Winch Installation - 20K Spring Tension (BRADEN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010140-01	WINCH, 20K SPRING TENSION	
1	1-397-010301170	HOSE ASSEMBLY 1/2 X 170	1
2	1-397-010302172	HOSE ASSEMBLY 1/2 X 172	1
3	1-512-010005-05	NUT, HEX LOCK 3/8-16	3
4	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	9
5	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	3
6	1-654-010055-04	SCREW, HEX, 1/2-13 UNC X 1-3/4 GR5	10
7	1-654-010055-16	SCREW, HEX HEAD CAP 1/2-13 X 5-1/2 GR5	1
8	1-861-010032-10	WASHER, FLAT 3/8N	6
9	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	2
10	1-861-010034-13	WASHER, SPLIT LOCK 1/2	2
11	100600	DECAL, WARNING, BRADEN WINCH (SEE PAGE 1-4)	1
12	102186	WINCH TENSIONER, 20K BRADEN SPRING	1
13	148241	VALVE ASSEMBLY, 3-SPOOL 400	REF
14	202702-10-8S	ADAPTER, #10 O-RING - #8 TUBE	1
15	2062-10-8S	ADAPTER, 90, #10 O-RING - #8 TUBE	1
16	3-155-010018-6	CABLE, 5/8, WITH LOOP, 85 FEET	REF
17	3-174-010038	CHAIN LINK, CONNECTING, 1/2	1
18	3-174-010039036	CHAIN, 1/2 X 36" GRD7	1
19	3-481-010007	MOTOR HYD. 12.9 CU. IN/REV, SAE B (SEE PAGE 1-138)	1
20	3-720-010010	SPRING COMPRESSION	1
21	3-873-010123	WINCH ASSEMBLY, 20,000LB. (SEE PAGE 1-134)	1
22	7HCGHT500	HOOK, CLEVIS, GRAB 1/2	1

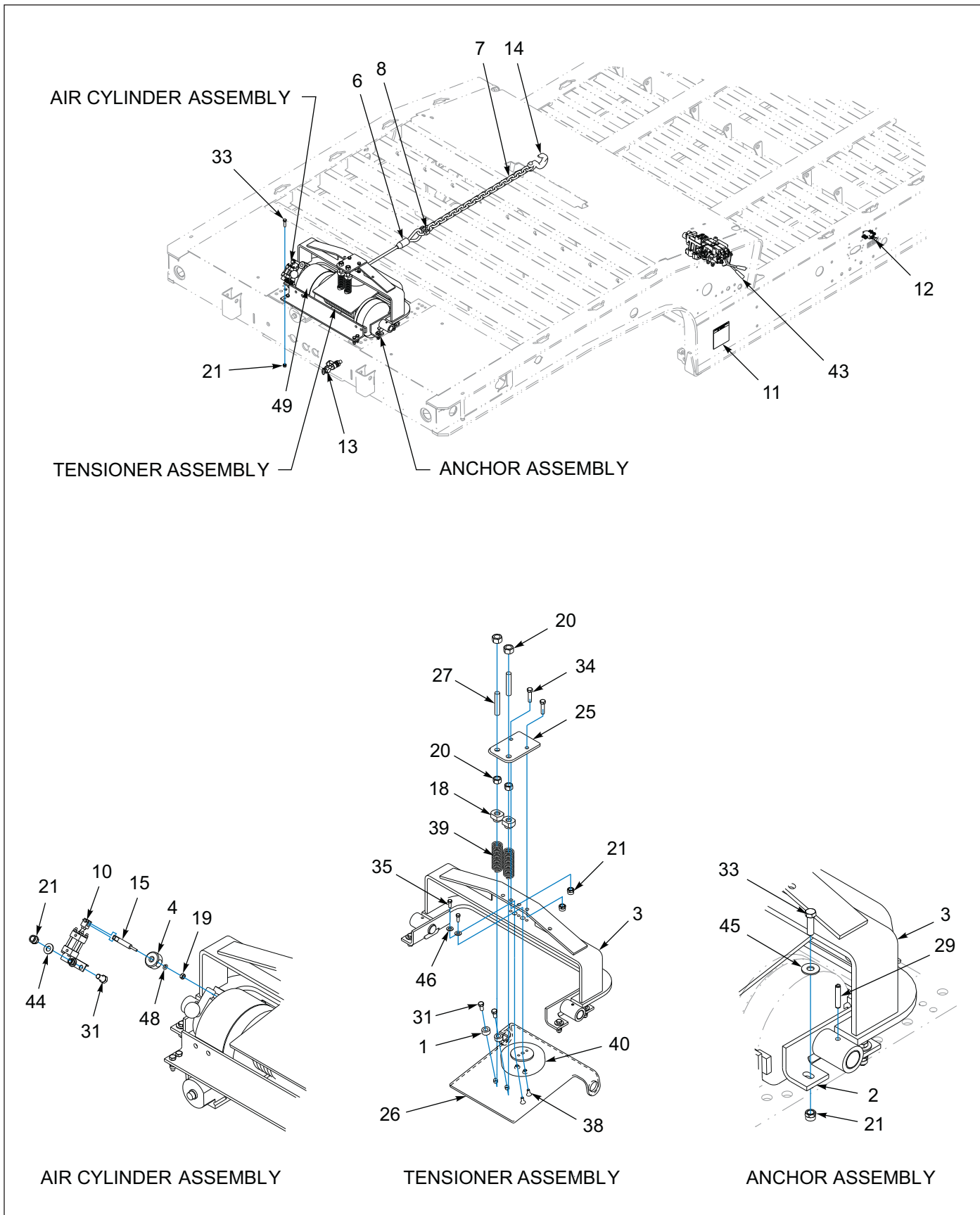
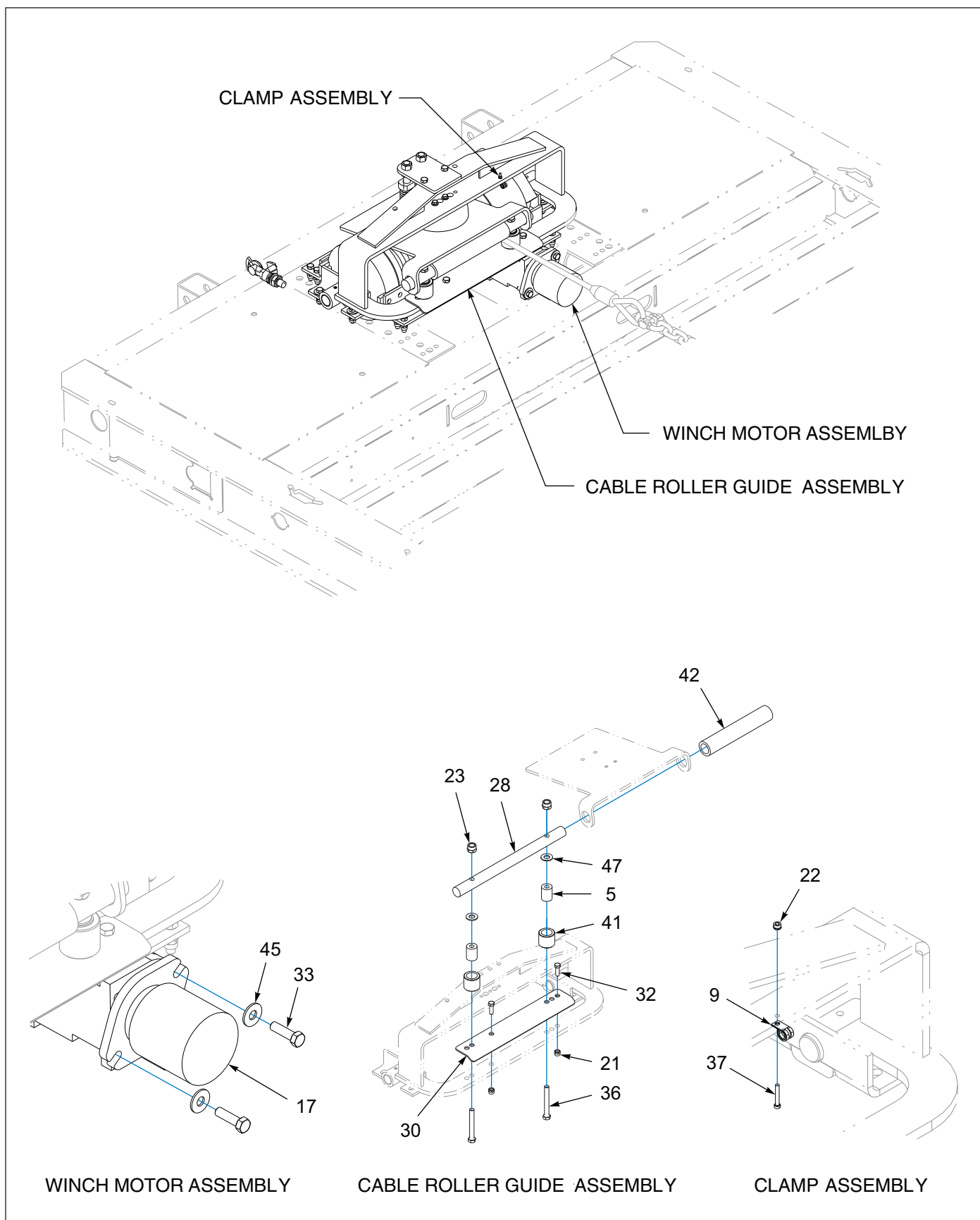


Figure 1-70: 20K Air Tension/Release (BRADEN) (1 of 3)



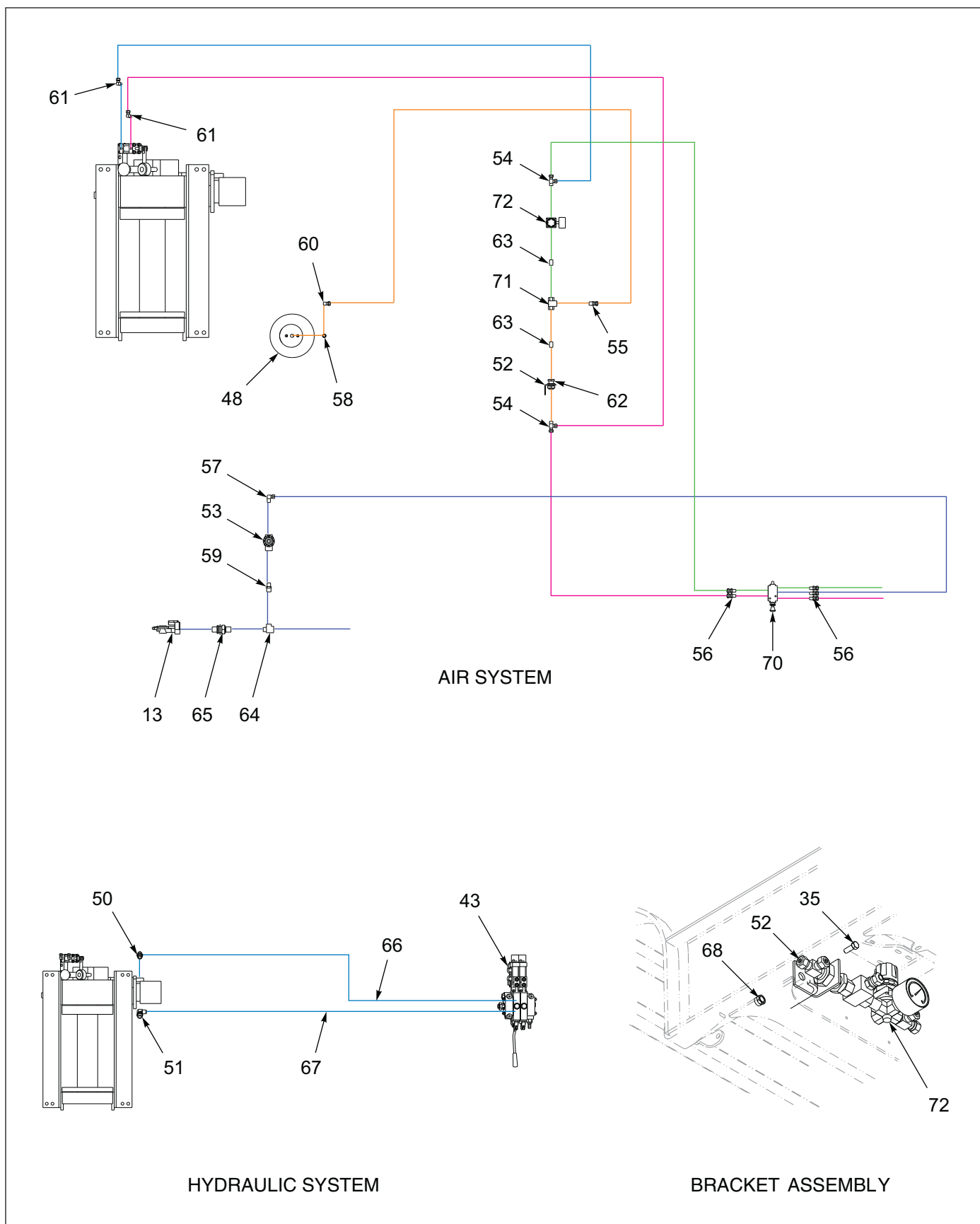


Figure 1-72: 20K Air Tension/Release (BRADEN) (3 of 3)

Winch Installation - 20K Air Tension/Release (BRADEN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	162415	WINCH INSTALLATION, 20K GUIDE AIR TENSION/RELEASE - STD	
1	3-014-010255	ANCHOR BUSHING F/W SPRING TENSION	2
2	119621	ANCHOR CABLE GUIDE WINCH (NOT SHOWN)	2
3	3-125-010465	BRACKET WELDMENT WINCH TENSIONER	1
4	3-150-010186	BUSHING WINCH REMOTE LEVER	1
5	3-150-010196	BUSHING, ROD ROLLER	2
6	3-155-010018-6	CABLE 85' W/ LOOP	REF
7	3-174-010039036	CHAIN 1/2 X 36 GR7	1
8	3-174-010038	CHAIN LINK CONNECTING 1/2	1
9	125892	SUPPORT CLAMP	1
10	107368	WINCH AIR SHIFT CYL (SEE PAGE 1-137)	1
11	100600	DECAL, WARNING WINCH (SEE PAGE 1-4)	1
12	135184	DECAL, WINCH FREE SPOOL (NOT SHOWN)	1
13	108801	GLAD HAND, RED AIR	REF
14	7HCGHT500	HOOK, CLEVIS GRAB 1/2	1
15	107369	LEVER WINCH FREE SPOOL	1
16	#242 LOCKTITE	LOCKTITE, #242, BLUE REMOVABLE (NOT SHOWN)	.10
17	3-481-010007	MOTOR HYD. (SEE PAGE 1-138)	1
18	3-522-010017	NUT F/W SPRING TENSION	2
19	1-512-010007-05	NUT, HEX 1/4-20 GRB	1
20	1-512-010007-12	NUT, HEX 3/4-10 GRB	4
21	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	18
22	1-512-010004-03	NUT, HEX LOCK #10-24	1
23	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	2
24	119622	PIN, PIVOT WINCH ROLLER (NOT SHOWN)	2
25	3-565-011688	PLATE F/W SPRING TENSION	1
26	102187	PLATE, WINCH TENSIONER	1
27	RTR7999X4ZP	ROD THREADED	2
28	102188	ROD, PIVOTING GUIDE	1
29	1-647-010004255	PIN, SPRING SLOTTED 2 X 3/8 (NOT SHOWN)	2
30	143246	RUB BAR, CABLE GUIDE WINCH	1
31	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5	4
32	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	2
33	1-654-010055-04	SCREW, HEX HEAD CAP 1/2-13 X 1-3/4 GR5	14
34	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	2
35	1-654-010036-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	3
36	1-654-010059-15	SCREW, HEX HEAD CAP 5/8-11 X 5 GR5	2
37	1-654-010024055	SCREW, MACH. #10-24 X 1-1/4	1
38	1-654-010141-04	SCREW, HEX SOC. HEAD CTSK 3/8-16 X 1 GR8	2
39	3-720-010035	SPRING	2
40	3-720-010042	SPRING, AIR BAG, 6-1/2	1
41	3-831-010172	TUBE, ROLLER SIDE	2
42	3-831-010182	TUBE, ROLLER TOP-600 20K	1
43	140802	VALVE ASSEMBLY	REF
44	1-861-010032-14	WASHER, FLAT 1/2N	2
45	1-861-010032-15	WASHER, FLAT 1/2W	6
46	1-861-010032-10	WASHER, FLAT 3/8N	2
47	1-861-010032-18	WASHER, FLAT 5/8N	2

Winch Installation - 20K Air Tension/Release (BRADEN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
48	1-861-010034-09	WASHER, SPLIT LOCK 1/4	1
49	3-873-010123	WINCH ASSEMBLY 20K (SEE PAGE 1-134)	1
50	202702-10-8S	ADAPTER	1
51	2062-10-8S	ADAPTER 90	1
52	3-120-010445	BRACKET, PRESSURE REGULATOR	1
53	905-54-107	BRAKE PROTECTION VALVE	1
54	1-297-010011-02	FITTING, AIR M/RUN TEE	2
55	1-297-010007-05	FITTING, AIR 1/4	1
56	1-297-010007-04	FITTING, AIR, 1/4 TUBE X X 1/8 NPT	5
57	1-297-010008-07	FITTING, AIR 90	1
58	1-297-010031-02	FITTING, BRASS PIPE	1
59	1-297-010019-05	FITTING, BRS PIPE HEX 3/8 X 1/4	1
60	1-297-010032-03	FITTING, AIR 90	1
61	1-297-010008-05	FITTING, AIR 90	2
62	1-297-010022-02	FITTING, AIR ANCHOR	1
63	1-297-010020-02	FITTING, BRASS PIPE	2
64	1-297-010018-03	FITTING, 1/4 TEE	1
65	55B61	FRAME UNION	REF
66	1-397-010301170	HOSE ASSEMBLY 1/2 X 170	1
67	1-397-010302172	HOSE ASSEMBLY 1/2 X 172	1
68	1-512-010005-05	NUT, HEX LOCK 3/8-16	1
69	1-833-010001	NYLON TUBING 1/4 OD	21
70	139552	VALVE AIR, 5WAY/2POS, 1/8 NPT	1
71	3-843-010039-02	VALVE AIR SHUTTLE 1/4	1
72	3-626-010004	REGULATOR, AIR PRESSURE	1

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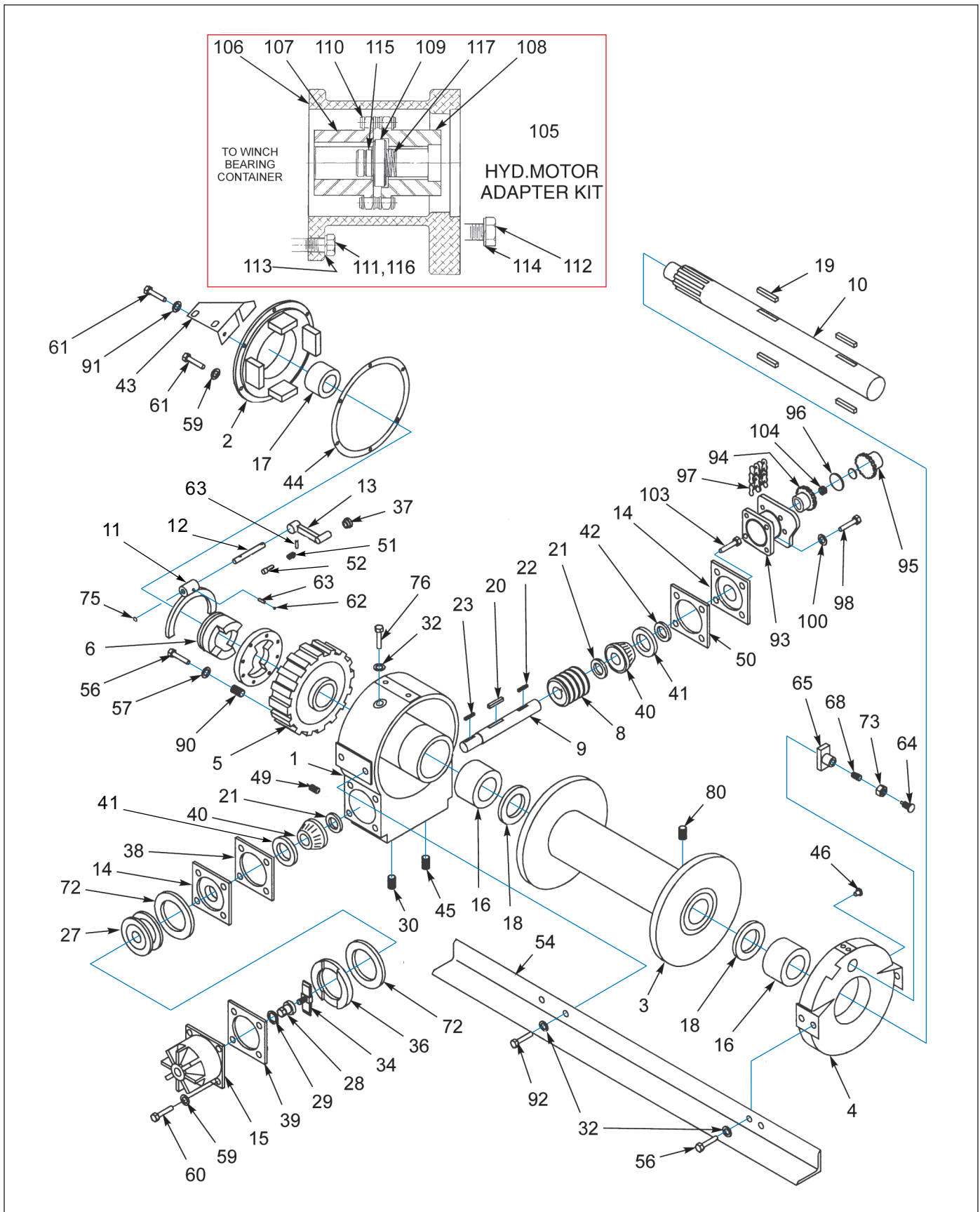


Figure 1-73: Winch Items - 20,000Lb. (BRADEN)

Winch Items - 20,000Lb. (BRADEN)

ITEM	PART NUMBER	REFERENCE NO.	DESCRIPTION	QTY.
	3-873-010123		WINCH 20,000# W/BOLT-ON ANGLES	
1	81078	81078	WORM HOUSING ASSEMBLY	1
2	106956	81082	COVER ASSEMBLY WORM HOUSING	1
3	-----	101142	DRUM CABLE	1
4	81077	81077	LEG ASSEMBLY BEARING	1
5	11434	11434	WORM, GEAR RIGHT	1
6	11421	11421	CLUTCH, SLIDING	1
7	11419	11419	DRIVE, CLUTCH	1
8	154166	11404	WORM RIGHT	1
9	-----	11405	SHAFT, WORM	1
10	139479	11414	SHAFT, CABLE DRUM	1
11	11440	11440	FORK SHIFTER	1
12	11441	11441	SHAFT SHIFTER	1
13	26976	26976	HANDLE SHIFTER	1
14	124549	11427	CONTAINER BEARING	2
15	-----	11445	COVER WORM BRAKE	1
16	18035	18035	BUSHING	2
17	11425	11425	BUSHING	1
18	11420	11420	RING, RETAINING	2
19	163472	22055	DRUM, KEY CABLE	4
20	11402	11402	KEY, WORM	1
21	11407	11407	SPACER, WORM	2
22	23367	23367	KEY, SPROCKET	1
23	10078	10078	KEY, ROTOR	1
27	81080	81080	ROTOR ASSEMBLY, BRAKE	1
28	11599	11599	ADJUSTING NUT, WORM BRAKE	1
29	12465	12465	O-RING	1
30	-----	19014	PLUG, FILLER	1
32	-----	11026	WASHER, LOCK	10
34	81081	81081	SPRING ASSEMBLY, SAFETY BRAKE	1
36	11431	11431	PLATE, PRESSURE	1
37	18022	18022	KNOB, SHIFTER	1
38	11429	11429	GASKET	4
39	11446	11446	GASKET	2
40	18033	18033	BEARING CONE	2
41	18034	18034	BEARING CUP	2
42	12073	12073	SEAL GREASE	1
43	12783	12783	BRACKET SHIFTER	1
44	11411	11411	COVER GASKET HOUSING	1
45	19045	19045	PLUG DRAIN	1
46	18047	18047	FITTING GREASE	1
48	-----	22775	PLUG VENT	1
49	-----	18009	PLUG LEVEL	1
50	11430	11430	GASKET	4
51	11310	11310	SPRING SHIFTER KNOB	1
52	11309	11309	STEM SHIFTER KNOB	1
54	-----	28942	ANGLE FRONT BASE	1
55	-----	28943	ANGLE REAR BASE (NOT SHOWN)	1

Winch Items - 20,000Lb. (BRADEN)

ITEM	PART NUMBER	REFERENCE NO.	DESCRIPTION	QTY.
56	-----	13938	CAPSCREW	16
57	-----	12781	WASHER, LOCK	8
58	-----	21044	CAPSCREW	4
59	-----	11025	WASHER, LOCK	3
60	-----	22695	CAPSCREW	4
61	-----	21964	CAPSCREW	6
62	12146	12146	PLUG, EXPANSION	A/R
63	13028	13028	ROLLPIN	A/R
64	11398	11398	SCREW, ADJUSTING	1
65	88005	88005	SHOE ASSEMBLY DRAG BRAKE	1
68	18002	18002	SHOE ASSEMBLY DRAG BRAKE	1
72	11426	11426	DISC, FRICTION	2
73	11791	11791	NUT, JAM	1
75	12767	12767	PLUG, EXPANSION	A/R
76	-----	22729	CAPSCREW	2
77	-----	23245	SAE PLATE-AMU7-16F (NOT SHOWN)	1
78	-----	23310	PLATE, WARNING (NOT SHOWN)	1
79	-----	11842	SCREW, DRIVE (NOT SHOWN)	4
80	139478	12228	SCREW, SET	1
90	-----	11435	INSERT THREAD	8
91	-----	11014	LOCKWASHER	1
92	-----	22697	CAPSCREW (NOT SHOWN)	5
93	23144	23144	ADAPTER - MOTOR	1
94	23081	23081	COUPLING HALF-WINCH	1
95	-----	23142	COUPLING HALF-MOTOR	1
96	23078	23078	SPACER - CONSTANT	1
97	13424	13424	ROLLER, CHAIN	1
98	-----	22704	CAPSCREW	4
99	-----	13413	CAPSCREW (NOT SHOWN)	4
100	-----	18003	LOCKWASHER	4
101	-----	11026	LOCKWASHER (NOT SHOWN)	4
102	-----	23183	SPACER - VARIABLE	2
103	-----	22703	CAPSCREW	4
104	-----	23353	SPRING - SPACER	1
105	61344	61344	HYD MOTOR ADY. KIT, 20,000# WINCH (ITEMS 106-117)	1
106	23144	23144	ADAPTER, MOTOR	1
107	23081	23081	COUPLING HALF, WINCH	1
108	110448	23142	COUPLING HALF, MOTOR	1
109	23078	23078	SPACER, CONSTANT	1
110	13424	13424	CHAIN ROLLER	1
111	-----	-----	CAPSCREW	4
112	-----	-----	CAPSCREW	4
113	-----	27152	LOCKWASHER	4
114	-----	11026	LOCKWASHER	4
115	110451	23183	SPACER	1
116	-----	-----	CAPSCREW	4
117	110452	23353	SPRING SPACER	1
118	125684	-----	HANDLE ASSEMBLY (NOT SHOWN)	1

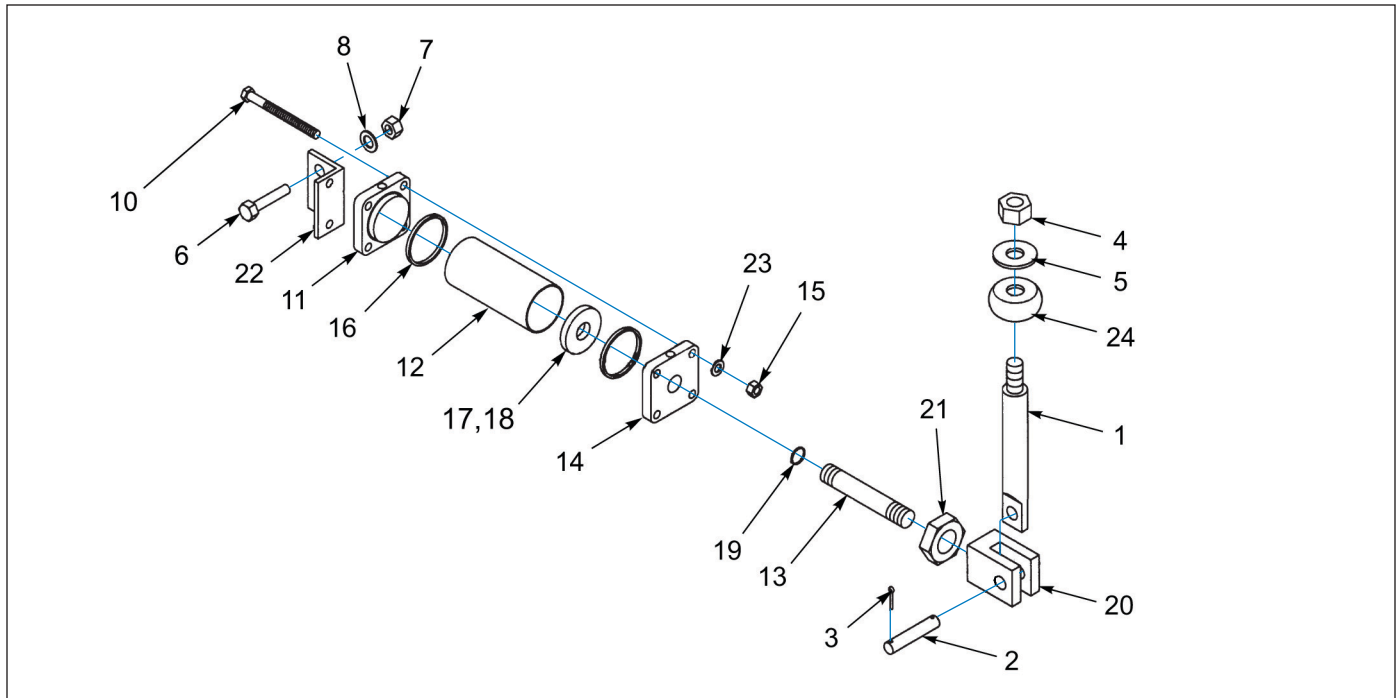


Figure 1-74: Winch - Air Shift Cylinder

Winch - Air Shift Cylinder

ITEM	PART NUMBER	REFERENCE NO.	DESCRIPTION	QTY.
	107368	-----	CYLINDER, AIR W/ BRACKET (ITEMS 2, 3 & 6-23)	
1	107369	-----	LEVER WINCH FREE SPOOL	1
2	-----	1976	PIN	1
3	-----	2356	COTTER PIN	1
4	1-512-010007-05	1-512-010007-05	NUT, HEX 1/4-20 GRB	1
5	1-861-010034-09	1-861-010034-09	WASHER, SPLIT LOCK 1/4	1
6	1-654-010055-01	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5	2
7	1-512-010005-09	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	2
8	1-861-010032-14	1-861-010032-14	WASHER, FLAT 1/2	2
9	C2001	C2001	CYLINDER (ITEMS 10-23)	1
10	-----	1128	CAPSCREW49	4
11	-----	1272	REAR COVER PLATE	1
12	-----	1277	TUBE	1
13	-----	2388	PISTON ROD	1
14	-----	1271	FRONT COVER PLATE	1
15	-----	1723	NUT	4
16	-----	1274	BACK-UP-RING	2
17	-----	1275	O-RING	1
18	-----	1273	PISTON	1
19	-----	1276	O-RING	1
20	1974	1974	CLEVIS	1
21	-----	1224	NUT	1
22	2389	2389	BRACKET	1
23	-----	1766	LOCKWASHER	4
24	3-150-010186	3-150-010186	BUSHING WINCH REMOTE LEVER	1
25	-----	3109	O-RING KIT FOR CYLINDER	REF

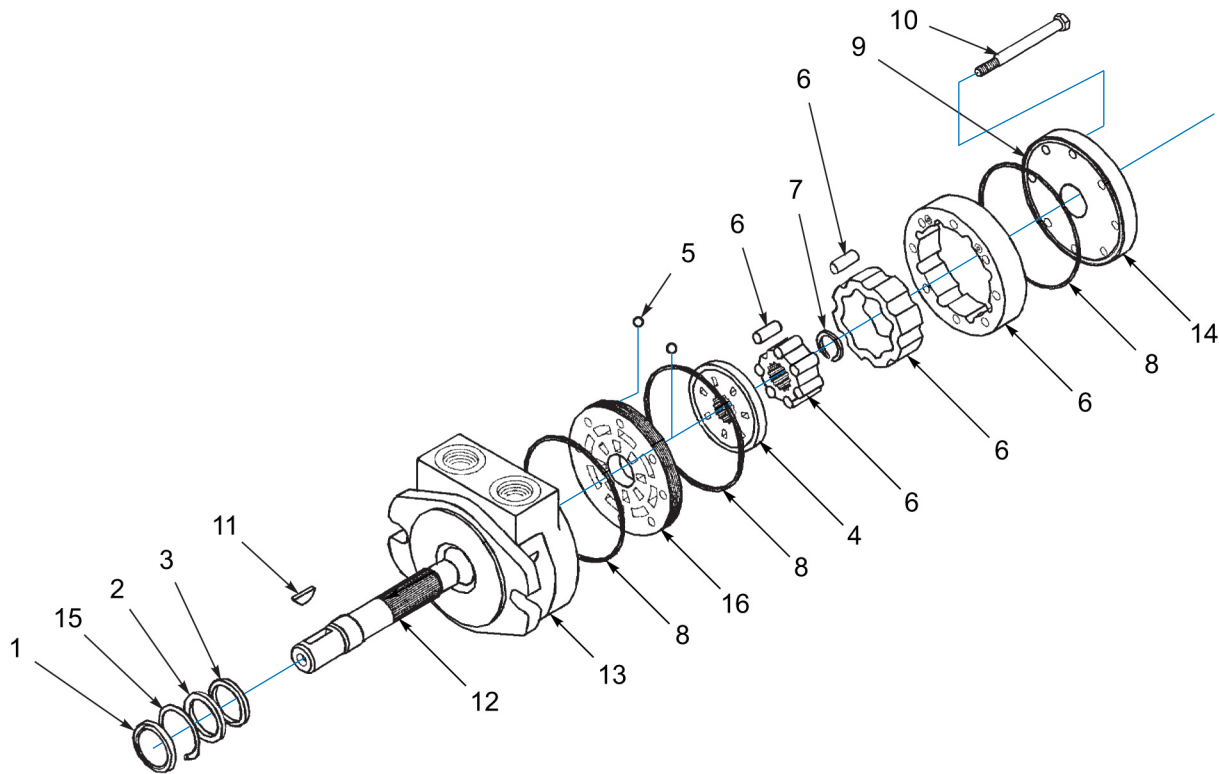
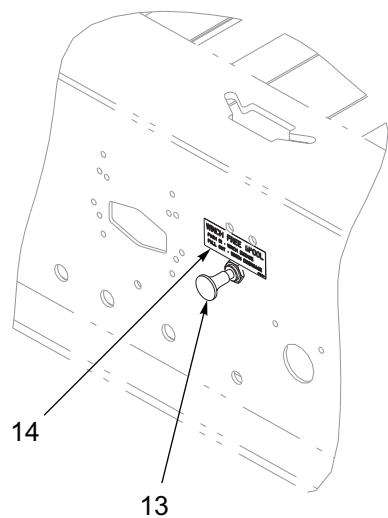


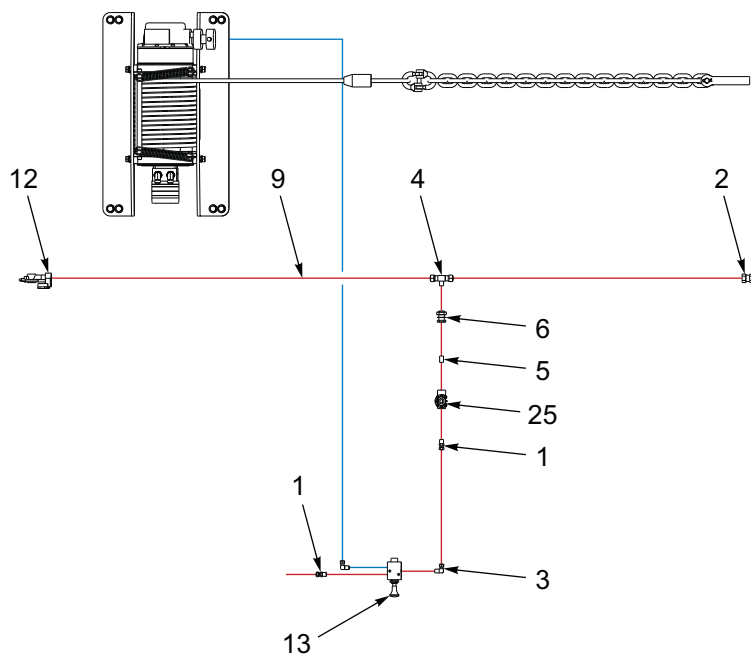
Figure 1-75: Winch - Motor Assembly

Winch - Motor Assembly

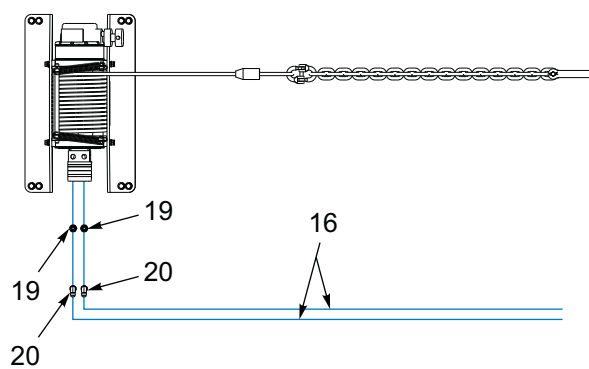
ITEM	PART NUMBER	REFERENCE NO.	DESCRIPTION	QTY.
	3-481-010006	-----	MOTOR, HYDRAULIC - 12K WINCH	
	3-481-010006FI	-----	FIELD INSTALLATION KIT - 12K WINCH	
	3-481-010007	-----	MOTOR, HYDRAULIC - 20K WINCH	
	3-481-010007FI	-----	FIELD INSTALLATION KIT - 20K WINCH	
1	-----	2183	SEAL DUST	1
2	-----	2177	BACK-UP RING	1
3	-----	2175	SEAL LIP	1
4	-----	1644	ROTARY VALVE	1
5	-----	1021	CHECK VALVE BALL	2
6	-----	1004-6	IGR ASSEMBLY - 20K WINCH	1
6	-----	1004-3	IGR ASSEMBLY - 12K WINCH	1
7	-----	1296	SNAP RING	1
8	1046	1046	SQUARE RING SEAL	3
9	-----	1019-4	PLUG VENT W/O-RING	1
10	-----	1014-4	BOLTS HEX - 20K WINCH	8
10	-----	1114-5	BOLTS HEX - 12K WINCH	8
11	-----	1655	KEY WOODRUFF	1
12	-----	2265-6	SHAFTFOR - 20K WINCH	1
12	-----	2109-3	SHAFTFOR - 12K WINCH	1
13	-----	M110AB-4	BODY/BEARING ASSEMBLY - 20K WINCH	1
13	-----	PA-2328-2	BODY/BEARING ASSEMBLY - 12K WINCH	1
14	-----	M110C-1	COVER/BEARING ASSEMBLY	1
15	-----	2180	SNAP RING SHAFT	1
16	-----	1865	COMMUTATOR PLATE	1
17	2263	2263	SEAL KIT BODY (NOT SHOWN)	1
17	-----	2480	SEAL KIT BODY VITON (NOT SHOWN)	1



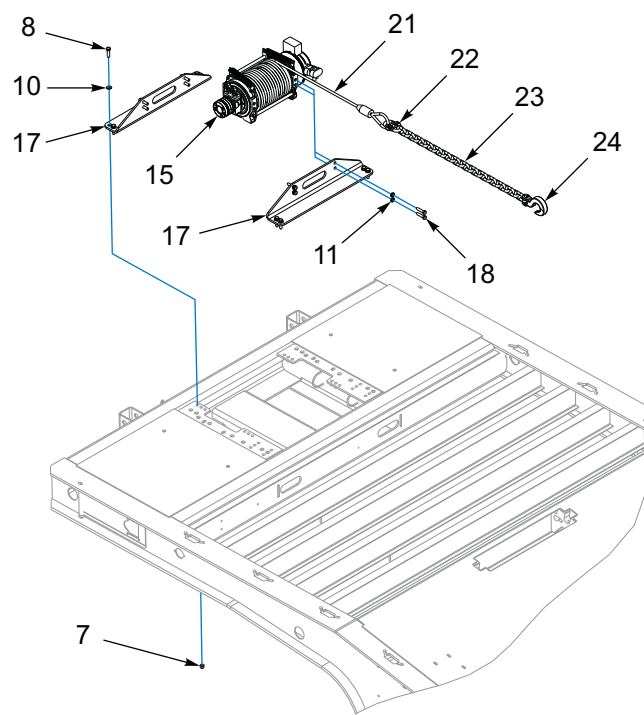
SWITCH LOCATIONS



AIR & ELECTRICAL SYSTEM



HYDRAULIC SYSTEM



GENERAL ASSEMBLY

Figure 1-76: Winch Installation - 12K (WARN)

Winch Installation - 12K (WARN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196817	WINCH INSTL 12K WARN 900	
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	2
2	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	1
3	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	2
4	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1
5	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	1
6	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
7	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
8	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	8
9	1-833-010003	TUBING NYLON 1/2 OD	20
10	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	8
11	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	8
12	108801	GLAD HAND-RED-AIR	1
13	134657	VALVE AIR 3WAY/2POS 1/4NPT	1
14	135184	DECAL, WINCH FREE SPOOL	1
15	166421	WINCH 12M WARN W/LW&RMTC	1
16	174188	HOSE ASSY 1/2X182 SAE37 STR90	2
17	196818	BRACKET FRONT 12K WARN	2
18	198996	SCREW M12-1.75X50 HCS8.8ZP FUL	8
19	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
20	2071-8-8S	ADAPTER90 #8 FLR SWIVEL #8JIC	2
21	3-155-010017-4	CABLE, 1/2 X 85' LENGTH	1
22	3-174-010038	CHAIN LINK CONNECTING 1/2	1
23	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS	1
24	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1
25	905-54-107	BRAKE PROTECTION VALVE	1

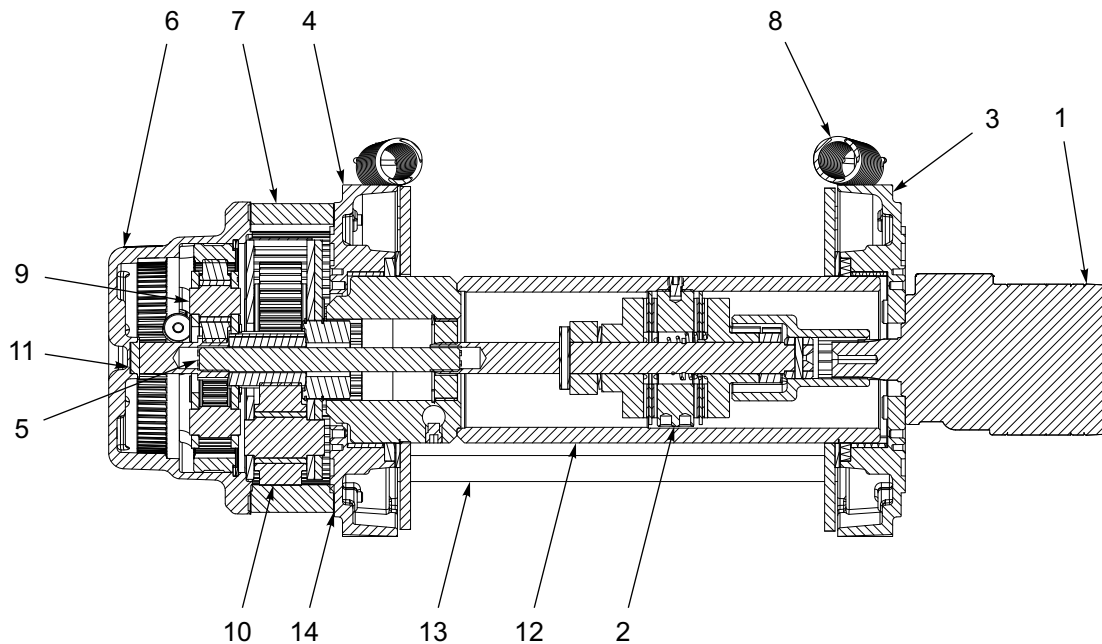


Figure 1-77: Winch Items - 12K (WARN)

Winch Items - 12K (WARN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	166421	WINCH, 12M WARN W/LW & RMTC	
1	194305	MOTOR HYD 5.0CL	1
2	194306	BRAKE ASSEMBLY	1
3	194307	DRUM SUPPORT, MOTOR	1
4	194308	DRUM SUPPORT, GEAR END	1
5	194309	DRIVE SHAFT, HEX	1
6	194310	END HSG ASSY AIR	1
7	194117	GEAR RING	1
8	194118	SPRING EXTENSION, TENSIONER	2
9	194119	CARRIER, STAGE 2 M12000	1
10	194120	CARRIER, STAGE 3 4340	1
11	194121	GEAR, 15T	1
12	194122	DRUM ASSEMBLY	1
13	194123	TIE ROD	3
14	194124	GASKET, RING GEAR	2

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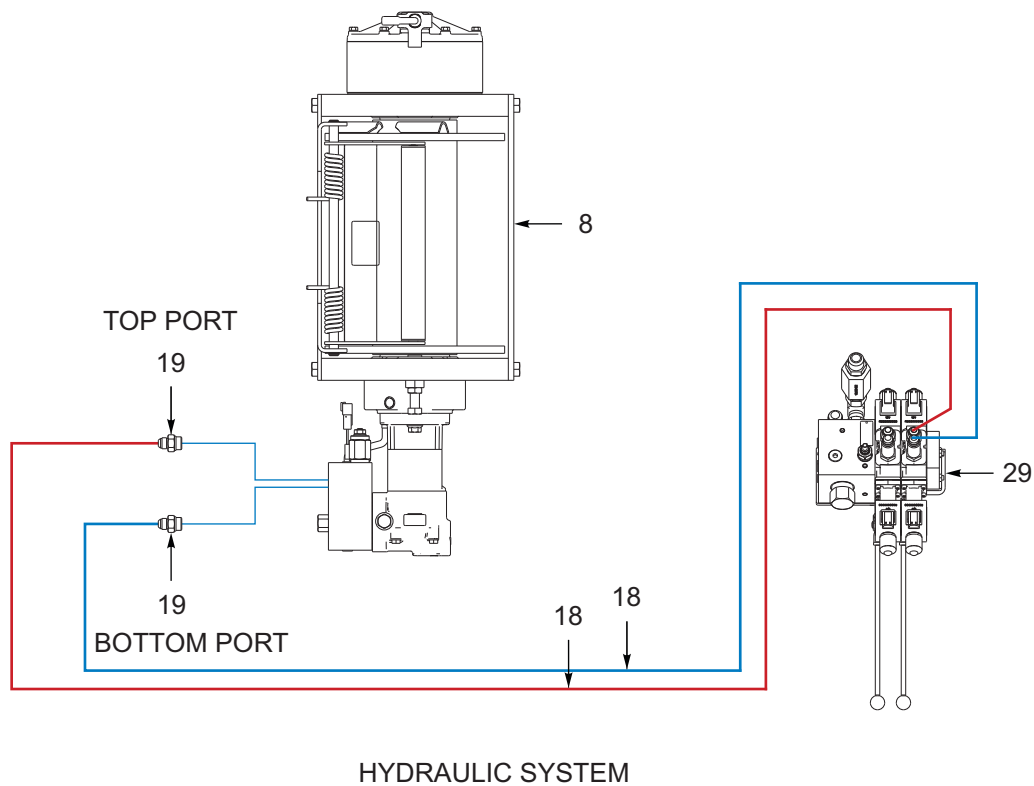
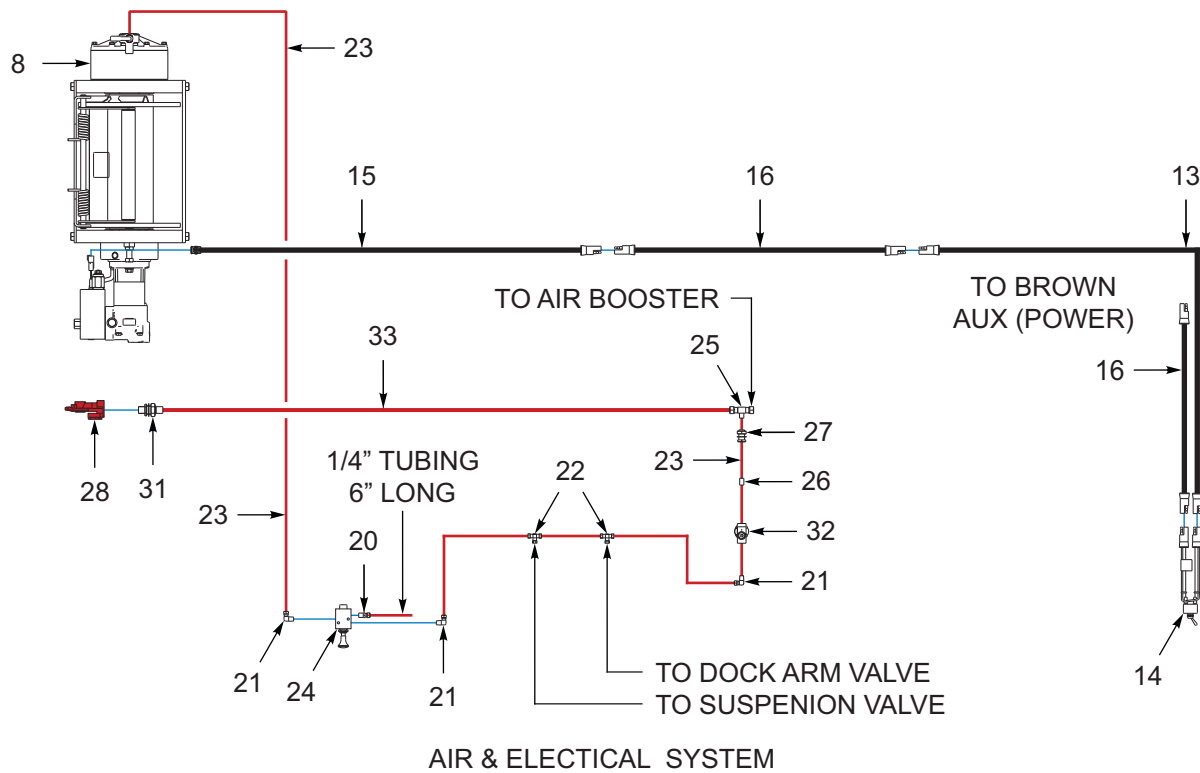
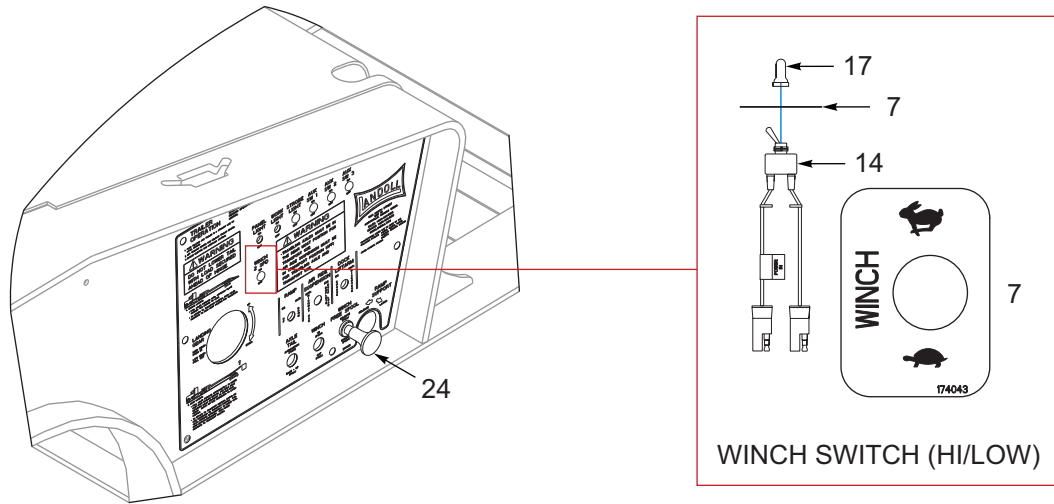
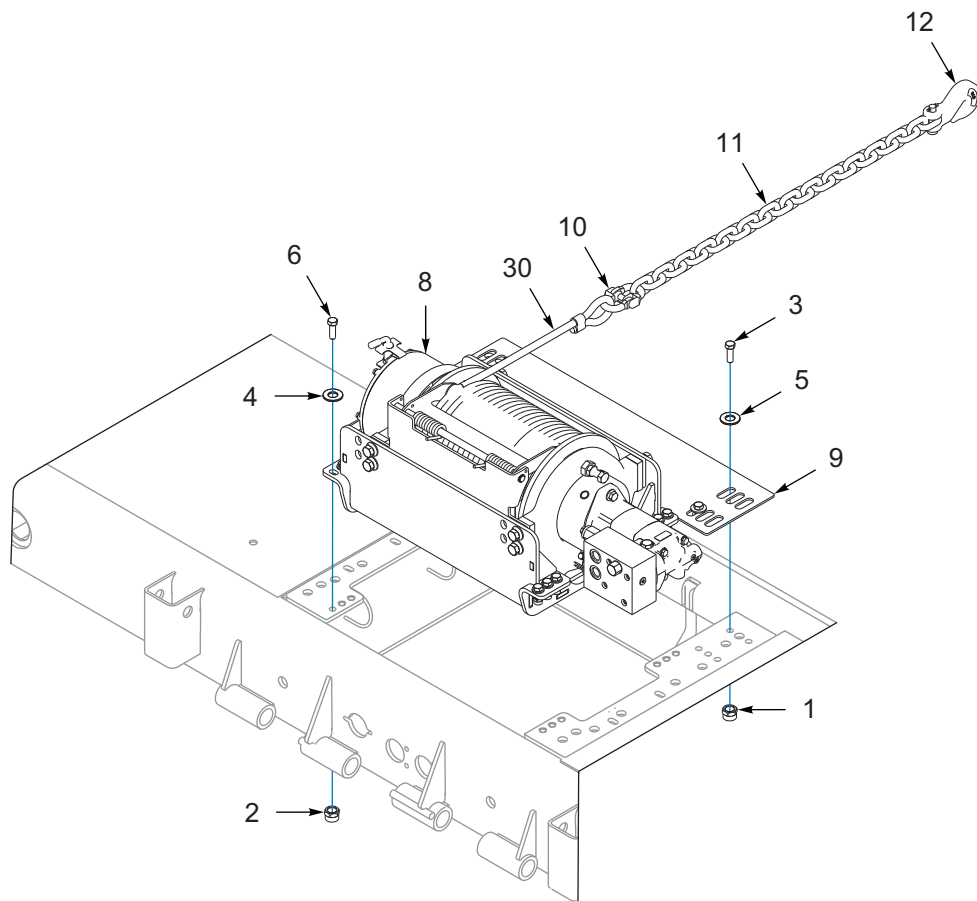


Figure 1-78: Winch Installation-20K 2 Speed (Warn) (1 of 2)



SWITCH LOCATIONS



GENERAL ASSEMBLY
VIEW OF TRAILER FRONT

Figure 1-79: Winch Installation-20K 2 Speed (Warn) (2 of 2)

Winch Installation-20K 2 Speed (WARN)

ITEM	PART NUMBER	DESCRIPTION	QTY
	178382	WINCH INSTL 20K WARN 2SP 900HD (HEAVY DUTY) (REFERENCE ONLY)	--
	178383	WINCH INSTL 20KWARN 2SP 900STD (STANDARD DUTY) (REFERENCE ONLY)	--
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	4
2	1-512-010002-09	NUT,HEX SLFLKG,1/2-13,GR C,ZP	12
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
4	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	12
5	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
6	108439	SCREW HX CP 1/2-13UNCX1-1/2G8	12
7	174043	DECAL, WINCH, HI/LO	1
8	174553	WINCH ASSY WARN 20K	1
9	204160	PLATE, WINCH TRIM REAR WINCH	1
10	3-174-010038	CHAIN LINK CONNECTING 1/2	1
11	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS	1
12	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1
13	150111	HARNESS 300 IN MALE.FEMALE	1
14	150117	SWITCH ASSY LIGHT GROTE	1
15	164053	HARNESS,102"BRANCH,WORK LIGHT	1
16	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
17	81264	RUBBER BOOT FOR ELECT SWITCH	1
18	174188	HOSE ASSY 1/2X182 SAE37 STR90 (STANDARD DUTY)	2
18	1-397-010302220	HOSE ASSY,1/2X220,SAE37,STR90 (HEAVY DUTY)	2
19	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
20	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
21	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	3
22	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	2
23	1-833-010001	TUBING NYLON 1/4 OD (BY THE FOOT)	34
24	134657	VALVE AIR 3WAY/2POS 1/4NPT	1
25	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1
26	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	1
27	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
28	108801	GLAD HAND-RED-AIR	1
29	194395	VALVE ASSY 2-SPOOL CONTROL (SEE PAGE 1-41)	1
30	3-155-010018-6	CABLE 5/8 W/LOOP 85FT	1
31	55B61	FRAME UNION	1
32	905-54-107	BRAKE PROTECTION VALVE	1
33	1-833-010003	TUBING NYLON 1/2 OD (BY THE FOOT)	--

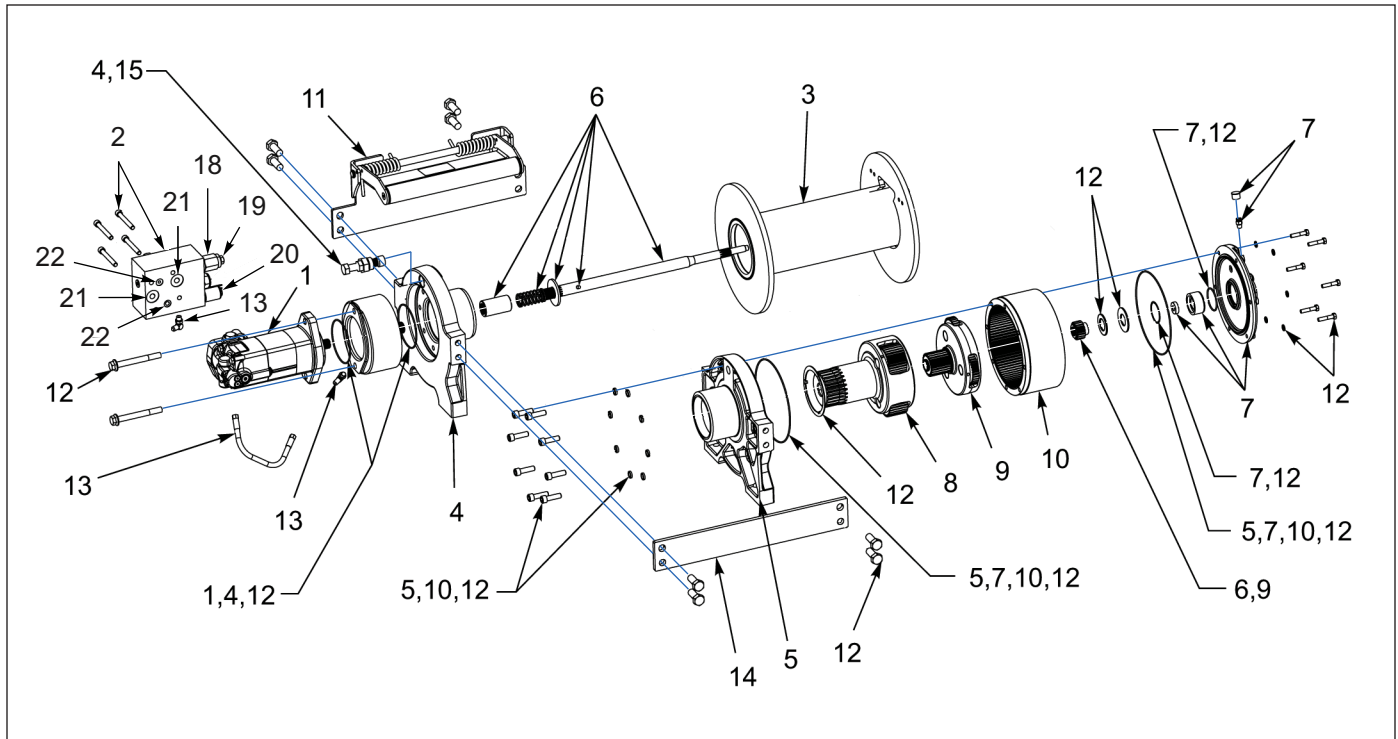


Figure 1-80: Winch Items - 20K 2 Speed (WARN)

Winch Items - 20K 2 Speed (WARN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	167521	WINCH, 20K WARN 2 SPEED	
1	178718	MOTOR-HYD 11.9 CIR 2K STD	1
2	178715	SVC KIT-MANIFOLD-HYD	1
3	162208	SVC KIT - DRUM ASSY 20K LONG	1
4	178999	SVC KIT - DRM RETRD_DRM SPPRT	1
5	162210	SVC KIT-DRUM SPRT GEAR END N	1
6	162211	SVC KIT-DRIVE SHAFT LONG N	1
7	162941	SVC KIT - END HSG ASSY - AIR	1
8	162213	SVC KIT-CARRIER STG2	1
9	162214	SVC KIT-CARRIER STG1	1
10	162215	SVC KIT-RING GEAR	1
11	162216	SVC KIT-TENSIONER	1
12	179000	SVC KIT - HARDWARE-SEAL	1
13	162218	SVC KIT-HOSE HYD	1
14	162219	SVC KIT-TIE PLATE LONG	1
15	179001	SVC KIT - DRUM RETARDER	1
16	162220	WIRE ROPE ASSY 9/16X245' (NOT SHOWN)	--
17	162207	SVC KIT - BRAKE ASSEMBLY (NOT SHOWN)	1
18	199104	SOLENOID COIL 12V 2SP WARN	1
19	201642	SOLENOID CARTRIDGE VALVE 2SP	1
20	201643	OVERCENTER VALVE	1
21	201644	O-RING	2
22	201645	O-RING	2
23	201650	SET SCREW 3/8"X1/5" HEX SOCKET (NOT SHOWN)	2

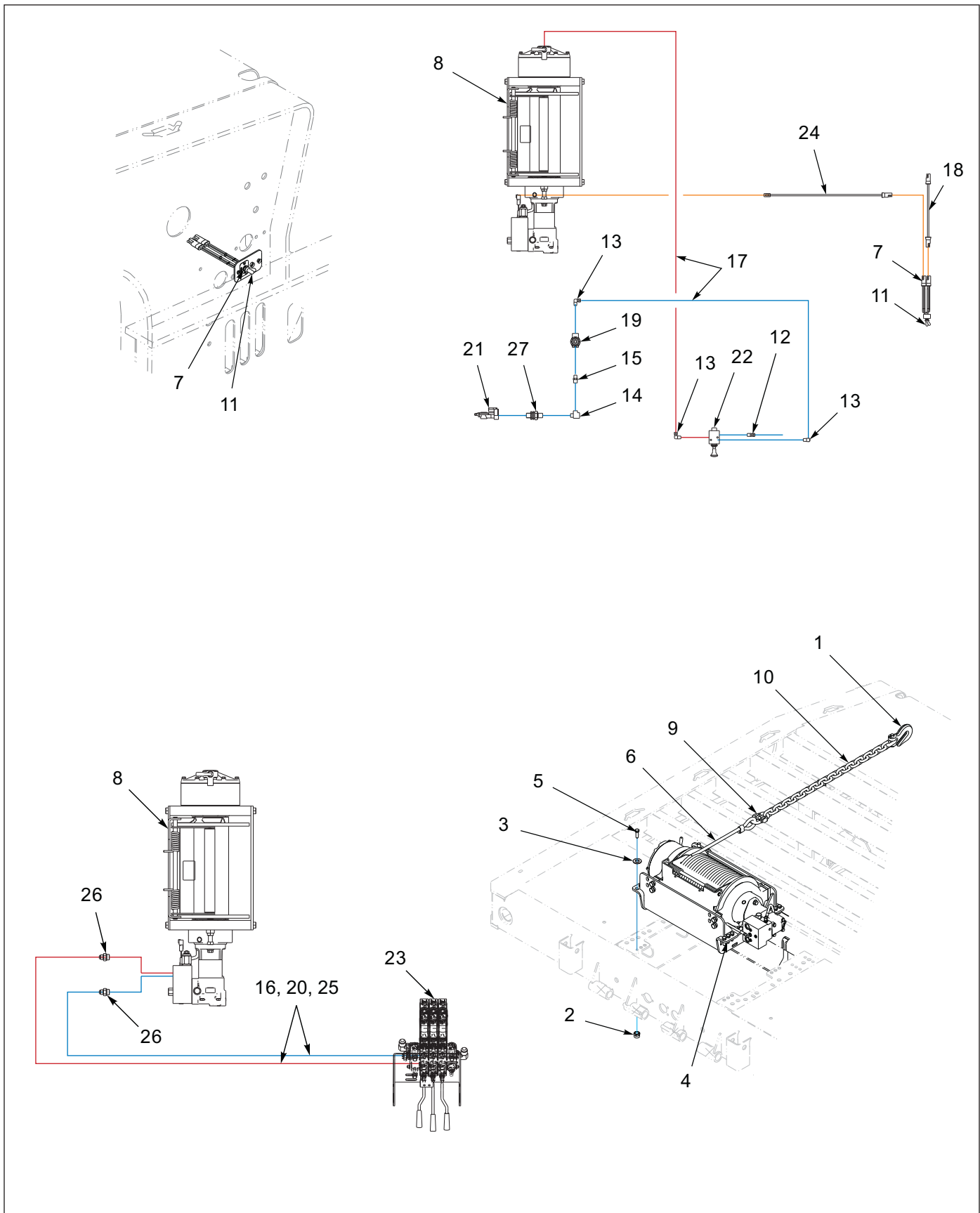


Figure 1-81: Winch Installation - 30K 2 Speed (WARN)

Winch Installation - 30K 2 Speed (WARN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	172878	WINCH INSTL 30K WARN 2 SPD AIR	
1	1-382-010035-06	HOOK,CLEVIS GRAB 5/8 GRD80	1
2	1-512-010002-09	NUT,HEX SLFLKG,1/2-13,GR C,ZP	12
3	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	12
4	116378	SPACER, WINCH	8
5	122726	SCREW HX CP 1/2-13UNCX3-3/4G8	12
6	132833	CABLE ASSY 5/8X85FLEX-X9	REF
7	150117	SWITCH ASSY LIGHT GROTE	REF
8	174552	WINCH ASSY WARN 30K	1
9	3-174-010059	CHAIN LINK CONNECTING 5/8	1
10	3-174-010060036	CHAIN 5/8X36IN GRADE 80	1
11	81264	RUBBER BOOT FOR ELECT SWITCH	REF
12	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
13	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	3
14	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	REF
15	1-297-010019-05	FITTING,BRS PIPE,HX 3/8X1/4	1
16	1-397-010302220	HOSE ASSY,1/2X220,SAE37,STR90	REF
17	1-833-010001	TUBING NYLON 1/4 OD	REF
18	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	1
19	905-54-107	BRAKE PROTECTION VALVE	1
20	101014	HOSE ASSY,1/2X248,SAE37,STR90	REF
21	108801	GLAD HAND-RED-AIR	1
22	134657	VALVE AIR 3WAY/2POS 1/4NPT	REF
23	139525	VALVE ASSY 3-SPOOL 400	1
24	164053	HARNESS,102"BRANCH,WORK LIGHT	1
25	174188	HOSE ASSY 1/2X182 SAE37 STR90	REF
26	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
27	55B61	FRAME UNION	REF

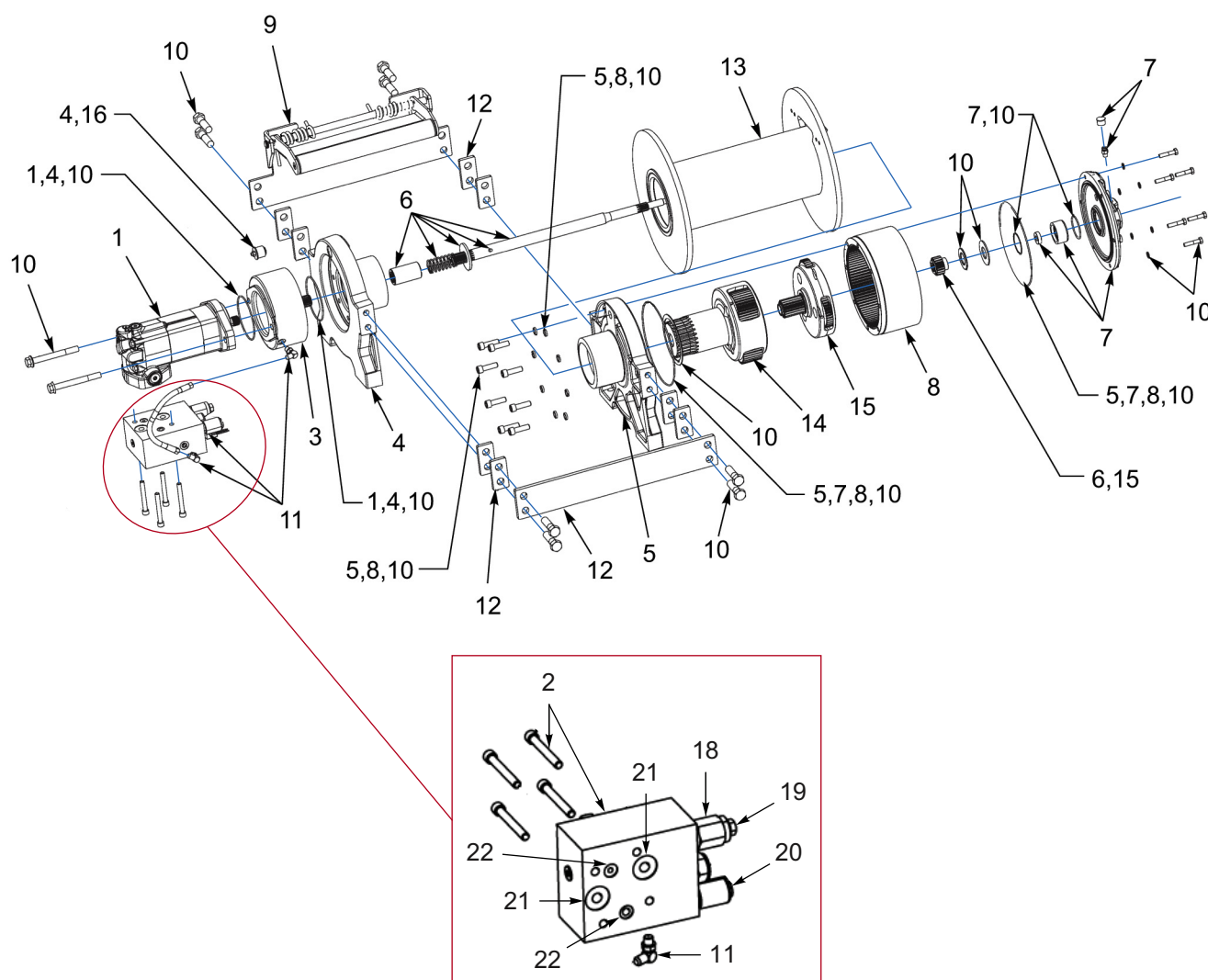


Figure 1-82: Winch Items - 30K 2 Speed (WARN)

Winch Items - 30K 2 Speed (WARN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	172877	WINCH 30K WARN 2 SPD AIR	- -
1	178714	SVC KIT-MOTOR-HYD	1
2	178715	SVC KIT-MANIFOLD-HYD	1
3	162207	SVC KIT - BRAKE ASSEMBLY	1
4	178716	SVC KIT-DRUM SPRT MTR END RET	1
5	162210	SVC KIT-DRUM SPRT GEAR END N	1
6	162211	SVC KIT-DRIVE SHAFT LONG N	1
7	162941	SVC KIT - END HSG ASSY - AIR	1
8	162215	SVC KIT-RING GEAR	1
9	162216	SVC KIT-TENSIONER	1
10	162217	SVC KIT-HARDWARE SEAL	1
11	162218	SVC KIT-HOSE HYD	1
12	162219	SVC KIT-TIE PLATE LONG	1
13	162942	SVC KIT - DRUM ASSY 30K LONG	1
14	162943	SVC KIT-CARRIER STG2-6.0-6.0N	1
15	162944	SVC KIT-CARRIER STG1-6.0-6.0N	1
16	178717	SVC KIT-EXPANSION PLUG 1" RBR	1
17	162945	WIRE ROPE ASSY-5/8 EIP SX245' (NOT SHOWN)	1
18	199104	SOLENOID COIL 12V 2SP WARN	1
19	201642	SOLENOID CARTRIDGE VALVE 2SP	1
20	201643	OVERCENTER VALVE	1
21	201644	O-RING	1
22	201645	O-RING	2
23	201650	SET SCREW 3/8"X1/5" HEX SOCKET (NOT SHOWN)	2

Landing Gear

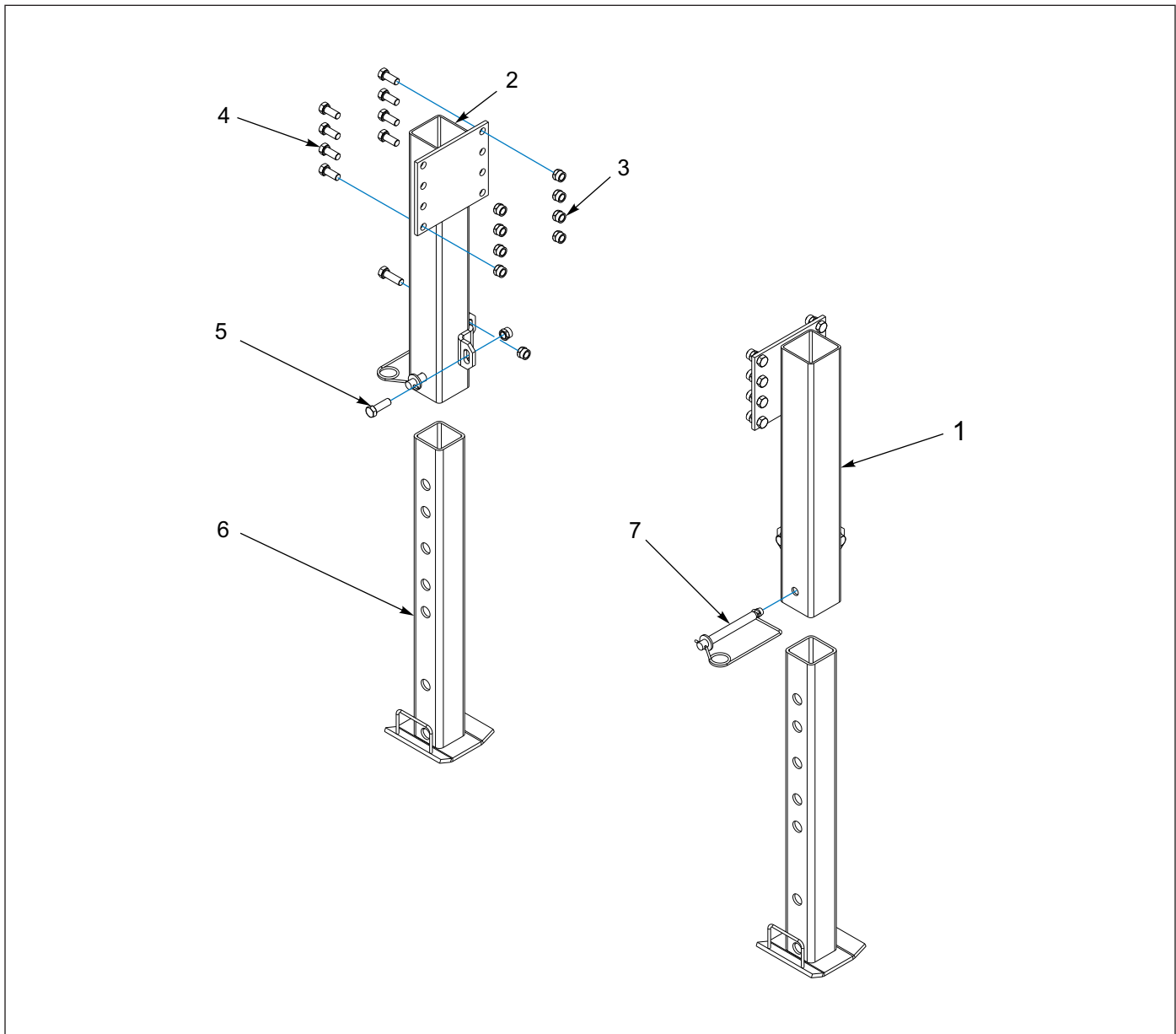


Figure 1-83: “Bolt On” Park Stand

“Bolt On” Park Stand

ITEM	PART NUMBER	DESCRIPTION	QTY.
	104243	PARK STAND INSTALLATION, BOLT-ON	
1	112678	PARK STAND WELDMENT, LH FRONT PIN	1
2	112679	PARK STAND WELDMENT, RH FRONT PIN	1
3	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	20
4	1-654-010059-03	SCREW, HEX HEAD CAP 5/8-11 X 1-1/2 GR5	16
5	1-654-010059-05	SCREW, HEX HEAD CAP 5/8-11 X 2 GR5	4
6	3-725-010058	STAND, PARK INSIDE WELDMENT	2
7	346SL	LOCK HITCH PIN	2

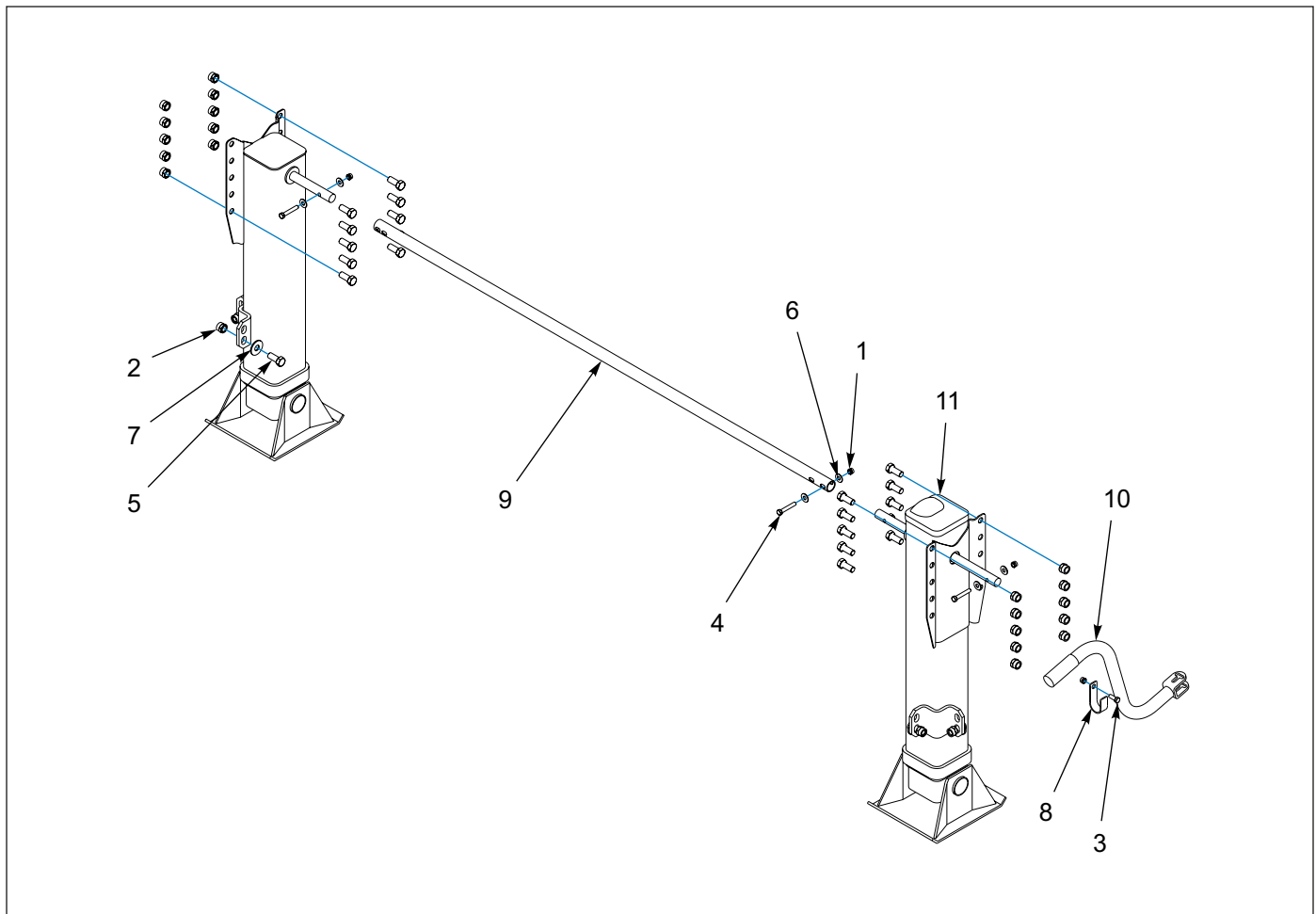


Figure 1-84: Jost 410

Jost 410

ITEM	PART NUMBER	DESCRIPTION	QTY.
	117558	LANDING GEAR INSTALLATION	
1	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	4
2	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	24
3	1-654-010051-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	1
4	1-654-010051-10	SCREW, HEX HEAD CAP 3/8-16 X 2-1/4 GR5	3
5	1-654-010059-03	SCREW, HEX HEAD CAP 5/8-11 X 1-1/2 GR5	24
6	1-861-010032-11	WASHER, FLAT 3/8W	6
7	1-861-010032-19	WASHER, FLAT 5/8W	4
8	117559	CLIP, LANDING GEAR HANDLE	1
9	117561	CROSS-SHAFT LANDING GEAR	1
10	119949	HANDLE, CRANK 2 SPEED LANDING GEAR	1
11	139256	LANDING GEAR WELDMENT 2 SPEED	1

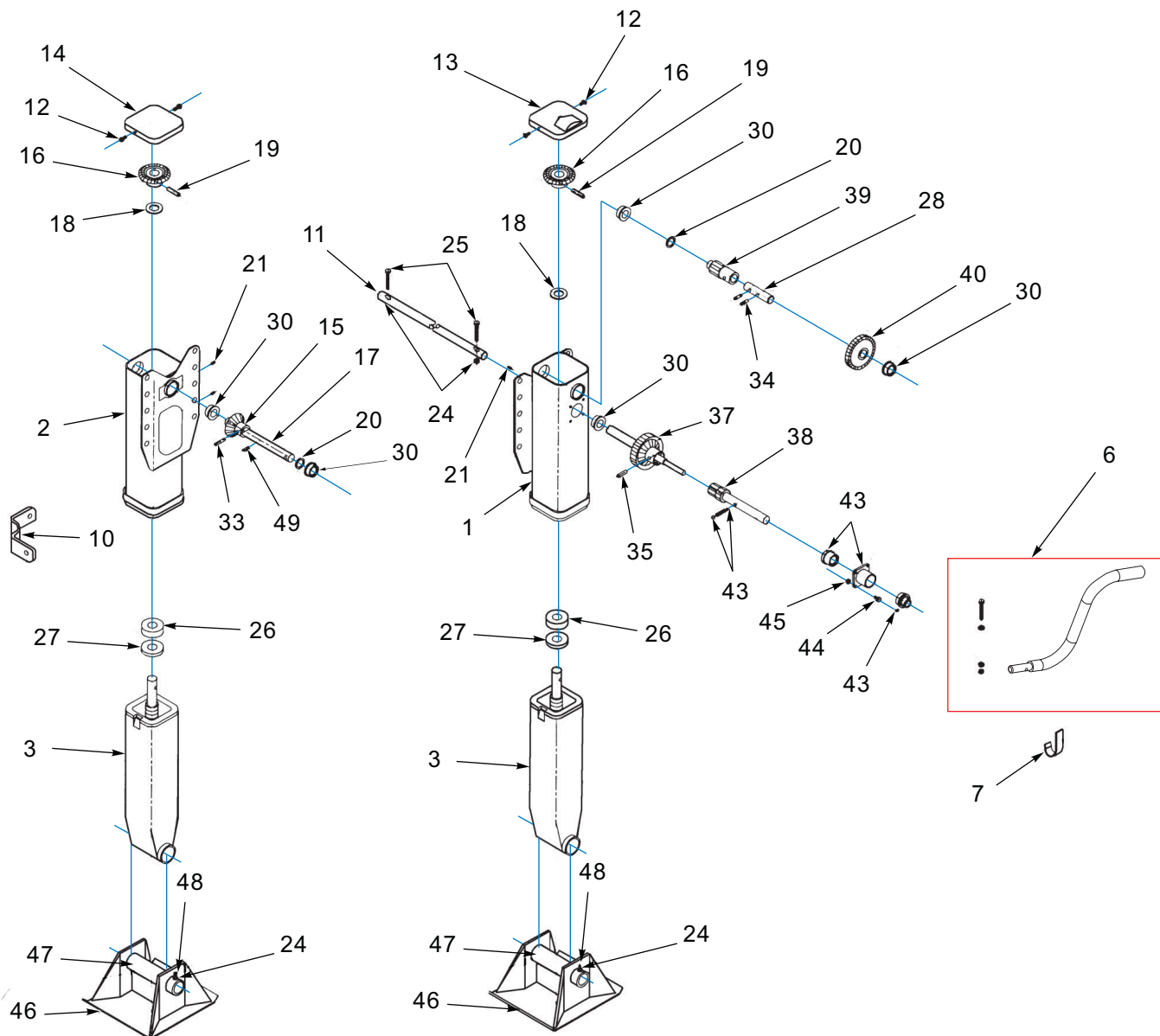


Figure 1-85: Jost #A401T19

Jost #A401T19

ITEM	PART NUMBER	DESCRIPTION	QTY.
	116800	LANDING GEAR JOST #A401T19	
1	-----	OUTER HOUSING - 2 SPEED	1
2	-----	OUTER HOUSING - 1 SPEED	1
3	-----	INNER LEG ASSEMBLY - STANDARD	2
6	109161	CRANK 930 MODIFICATION	1
7	109711	CRANK HANGER	1
10	109712	BRACE LUG - W	2
11	-----	INTERMEDIATE CROSS SHAFT	1
12	-----	COVER SCREW	4
13	-----	COVER - 2 SPEED	1
14	-----	COVER - 1 SPEED	1
15	-----	PINION GEAR	1
16	-----	BEVEL GEAR	2
17	-----	PINION SHAFT - 1 SPEED	1
18	-----	THRUST WASHER	2
19	-----	GROOVED PIN	2
20	-----	SPACER WASHER	2
21	-----	GREASE FITTING	4
23	-----	STRUT BRACE (NOT SHOWN)	4
24	A10038.7	SELF LOCKING NUT	2
25	-----	CROSS SHAFT BOLT - 3/8 X 2 GR5	2
26	-----	THRUST BEARING	2
27	-----	COLLAR	2
28	-----	OUTPUT SHAFT	1
30	-----	BUSHING	5
33	-----	ROLL PIN 3/8 X 1-1/2	1
34	-----	SPIRAL PIN	2
35	-----	ROLL PIN - 3/8 X 1-3/4	1
36	-----	OUTPUT CLUSTER SHAFT	1
37	-----	OUTPUT CLUSTER GEAR	1
38	-----	INPUT GEAR SHAFT	1
39	-----	OUTPUT SPUR GEAR	1
40	-----	INPUT SPUR GEAR	1
43	163502	SHIFT HOUSING SERVICE KIT	1
44	-----	SHIFT HOUSING BOLT	4
45	-----	SELF LOCKING NUT	4
46	C10256	SHOE - 10 X 10 X 4-1/2	2
47	114983	SHOE AXLE	2
48	A10037.3	HEX HEAD BOLT	2
49	-----	ROLL PIN - 1/4 X 1-1/4	1
50	137974	RH LANDING LEG ASSEMBLY (NOT SHOWN)	REF
50	225284	LH LANDING LEG ASSEMBLY (NOT SHOWN) (NON GEAR)	REF

Bulkheads - Options

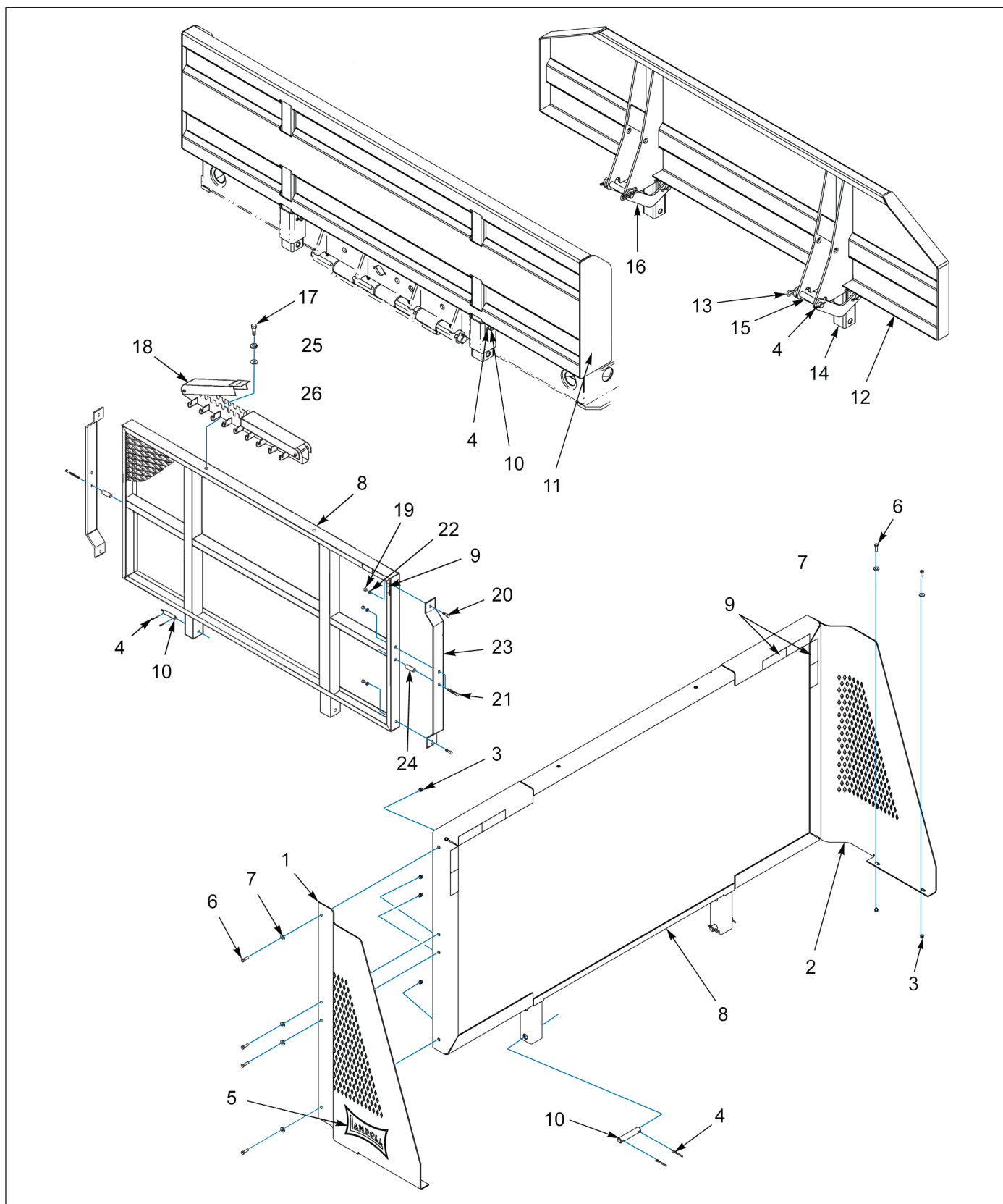


Figure 1-86: Bulkhead Assembly

Bulkhead Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	128414	BULKHEAD INSTALLATION, 400 (ITEMS 1-10)	*	
	134616	BULKHEAD INSTALLATION 26 X 102 (ITEMS 4, 9-11)	*	
	136848	EXTENSION INSTALLATION 16/24 (ITEMS 4 & 12-16)	*	
	B7-141-003	BULKHEAD CHAIN RACK INSTALLATION (ITEMS 6-7 & 17-18)	*	
	3-141-010121-21	BULKHEAD INSTALLATION (ITEMS 4, 8-10 & 19-24, REF. ONLY)	*	
	130895	BULKHEAD INSTALLATION, SPECIAL (ITEMS 1-10)	*	
	216921	ACCESSORY RACK INSTALLATION 48 X 51-1/2		*
1	128137	EXTENSION, BULKHEAD ALUM LH	1	--
1	128153	EXTENSION, BULKHEAD LH	1	--
2	128138	EXTENSION, BULKHEAD ALUM RH	1	--
2	128152	EXTENSION, BULKHEAD RH	1	--
3	1-512-010005-05	NUT, HEX LOCK 3/8-16	12	--
4	1-557-010362-63	COTTER PIN 1/4 X 2	4	4
5	153754	DECAL, BOW TIE BLACK (SEE PAGE 1-3)	2	--
5	153755	DECAL, BOW TIE WHITE (SEE PAGE 1-3)	2	--
6	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	12	--
7	1-861-010032-11	WASHER, FLAT 3/8	12	--
8	3-141-010155	BULKHEAD WELDMENT 48 X 96	1	--
8	130896	BULKHEAD WELDMENT, SPECIAL (USED W/ 130895)	1	--
9	3-573-010378	DECAL, 2" REFLEXITE TAPE, WHITE	AR	49 IN
10	6-557-010163	PIN HITCH LEVEL LINK	2	3
11	134608	BULKHEAD WELDMENT 26 X 102	1	--
12	136849	BULKHEAD WELDMENT 16/24 X 102 2 POS	1	--
13	1-557-010014	PIN, HAIR 1/4	2	--
14	3-482-010249	MOUNT WELDMENT BULKHEAD	2	--
15	3-557-010380	PIN	6	--
16	3-755-010080	SUPPORT WELDMENT, BULKHEAD	2	--
17	1-861-010034-11	WASHER, SPLIT LOCK 3/8	2	--
18	3-141-010008	CHAIN HANGER, LOCKING CHANNEL ASSEMBLY	1	--
19	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	6	--
20	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	4	--
21	1-654-010055-13	SCREW, HEX HEAD CAP 1/2-13 X 4 GR5	2	--
22	1-861-010032-15	WASHER, FLAT 1/2W	6	--
23	3-054-010101	BAR, SIDE 48" BULKHEAD 102"	2	--
24	3-711-010025	SPACER, 48" BULKHEAD	2	--
25	216920	ACC. RACK WLDMT 48 X 51-1/2	--	1

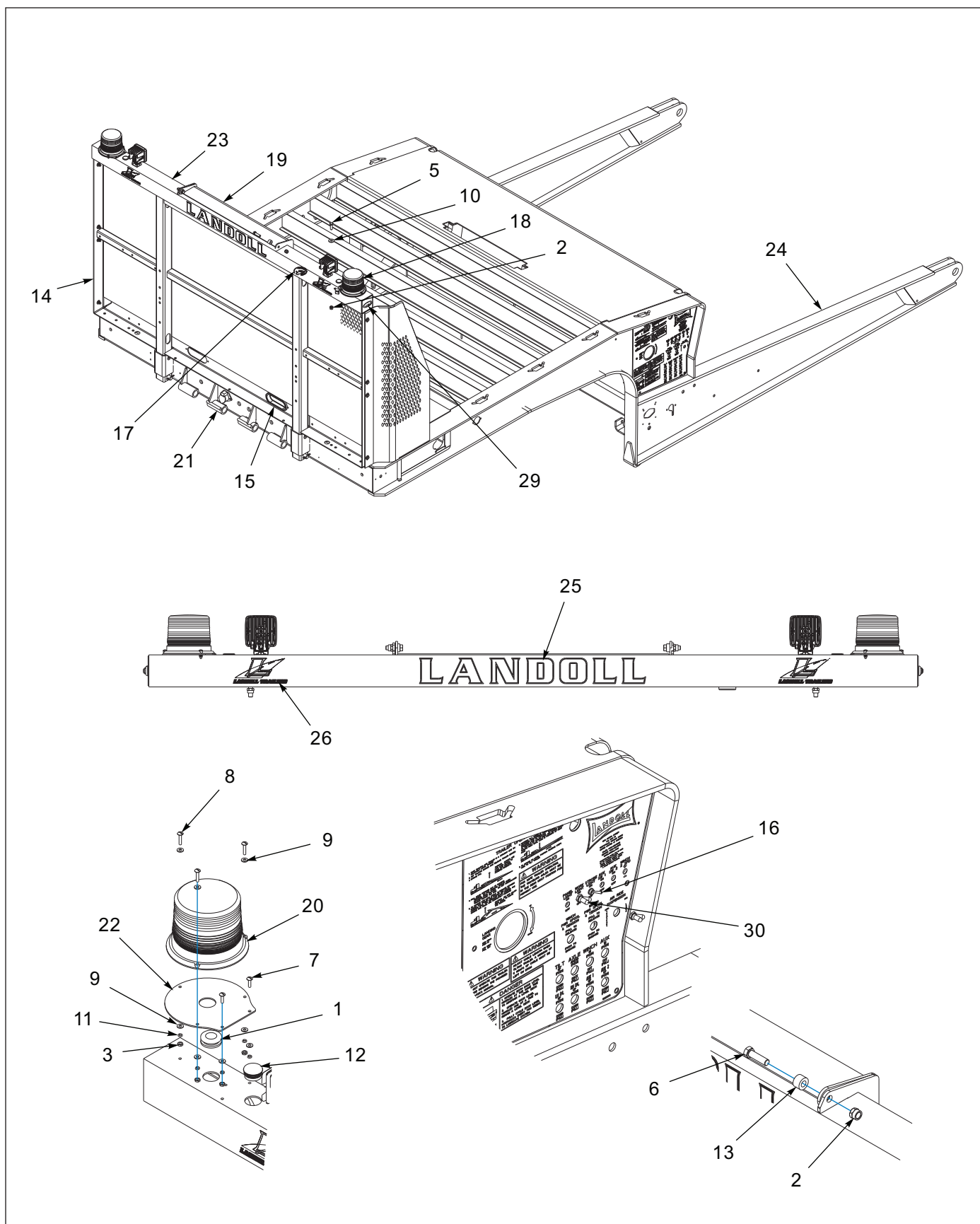


Figure 1-87: Chain Rack Lights General Assembly

Chain Rack Lights General Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY
	214407	BLKHD CHN RK S/T/T WL	*
	214408	BLKHD CHN RK S/T/T WL HD	*
	214409	BLKHD CHN RK S/T/T W/BCN	*
	214410	BLKHD CHN RK S/T/T W/BCN HD	*
	214411	BLKHD CHN RK S/T/T ONLY	*
	214412	BLKHD CHN RK S/T/T W/BCN ELE	*
	218129	BLKHD CHN RK S/T/T/BCN	
1	1-343-010006	GROMMET	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
3	1-512-010007-03	NUT, HEX 10-24 GR2 ZP	10
4	1-578-010015-04	PLUG, PLASTIC PANEL 7/8 (NOT SHOWN)	REF
5	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	2
6	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	2
7	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	4
8	1-656-010003053	SCREW RD HD MACH 10-24X1	6
9	1-861-010032-03	WASHER, FLAT #10 ZP/CD	16
10	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	2
11	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10	10
12	116324	PLUG,PLAST PANEL1-5/16&1-7/16	2
13	125799	SPACER, 1 OD X 1/2 ID X .632	2
14	- - - - -	BULKHEAD INSTL 400	REF
15	143114	GROMMET OVAL GROTE	1
16	150117	SWITCH ASSY LIGHT GROTE	REF
17	153102	GROMMET MOUNT 2-5/16" GROTE	1
18	163996	LIGHT,12V SQUARE LED FLOOD	REF
19	167975	LID WLDMT CHAIN BINDER	1
20	184501	STROBE LIGHT DEUTSCH CONN	2
21	186901	GOOSENECK WLDMT, US 400	REF
22	191545	PLATE BEACON MOUNTING	2
23	191811	TUBE WLDMT BHD TOPPER 3/4DIA	1
24	191872	GOOSENECK WLDMT 400A HD	REF
25	193456	DECAL LANDOLL 28-5/16 X 3-7/32	1
26	196165	DECAL HIGHWAY L	2
27	213295	LIGHT CLEAR LENS S/T/T (NOT SHOWN)	6
28	213296	FLANGE CHROME FLAT OBLONG (NOT SHOWN)	6
29	213297	LIGHT YEL CLEAR LENS MKR	2
30	81264	RUBBER BOOT FOR ELECT SWITCH	2

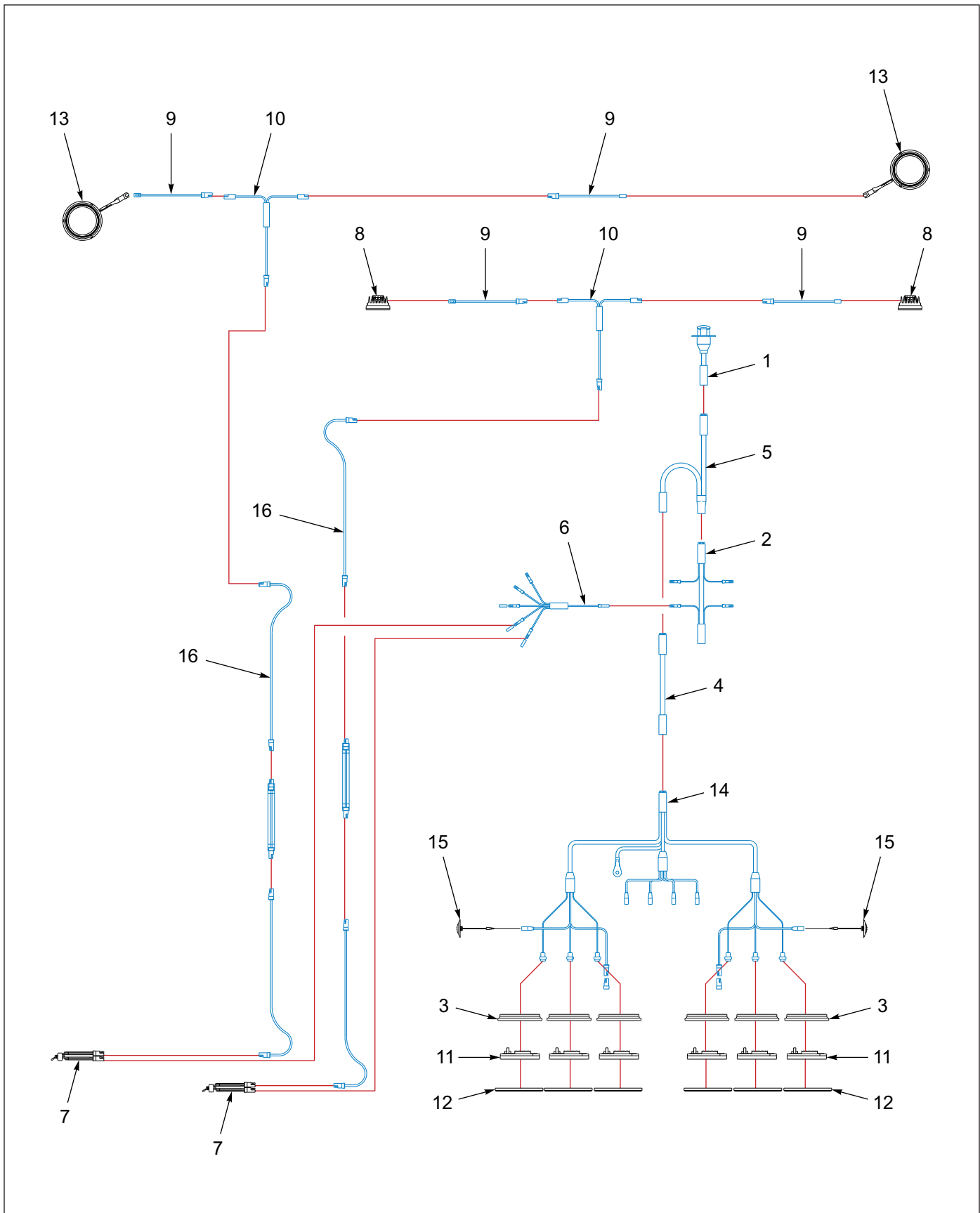


Figure 1-88: Chain Rack Lights Electrical System

Chain Rack Lights Electrical System

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	191808	BULKHEAD CHAIN RACK S/T/T WL	*	
	191809	BULKHEAD CHAINRACK S/T/T WL BC	*	
1	143100	HARNESS 7WAY RECP GROTE	REF	REF
2	143101	HARNESS FRONT MAIN GROTE	REF	REF
3	143114	GROMMET OVAL GROTE	6	6
4	143167	HARNESS EXT 84 IN GROTE	1	1
5	146929	HARNESS Y SPLITTER GROTE	1	1
6	150093	HARNESS 5 AUX BRANCHES GROTE	REF	REF
7	150117	SWITCH ASSY LIGHT GROTE	1	2
8	163996	LIGHT,12V SQUARE LED FLOOD	2	2
9	164052	HARNESS,60"BRANCH,WORK LIGHT	2	4
10	169853	HARNESS T PWR BRANCH	1	2
11	179902	LIGHT S/T/T RED CLEAR LENS GRT	6	6
12	180570	COVER CHROME OBLONG GROMMET	6	6
13	184501	STROBE LIGHT DEUTSCH CONN	--	2
14	187859	HARNESS BUMPER MICRONOVA GROTE	1	1
15	187863	LIGHT YEL LED.75CL/MK CLEAR CB	2	2
16	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2	4

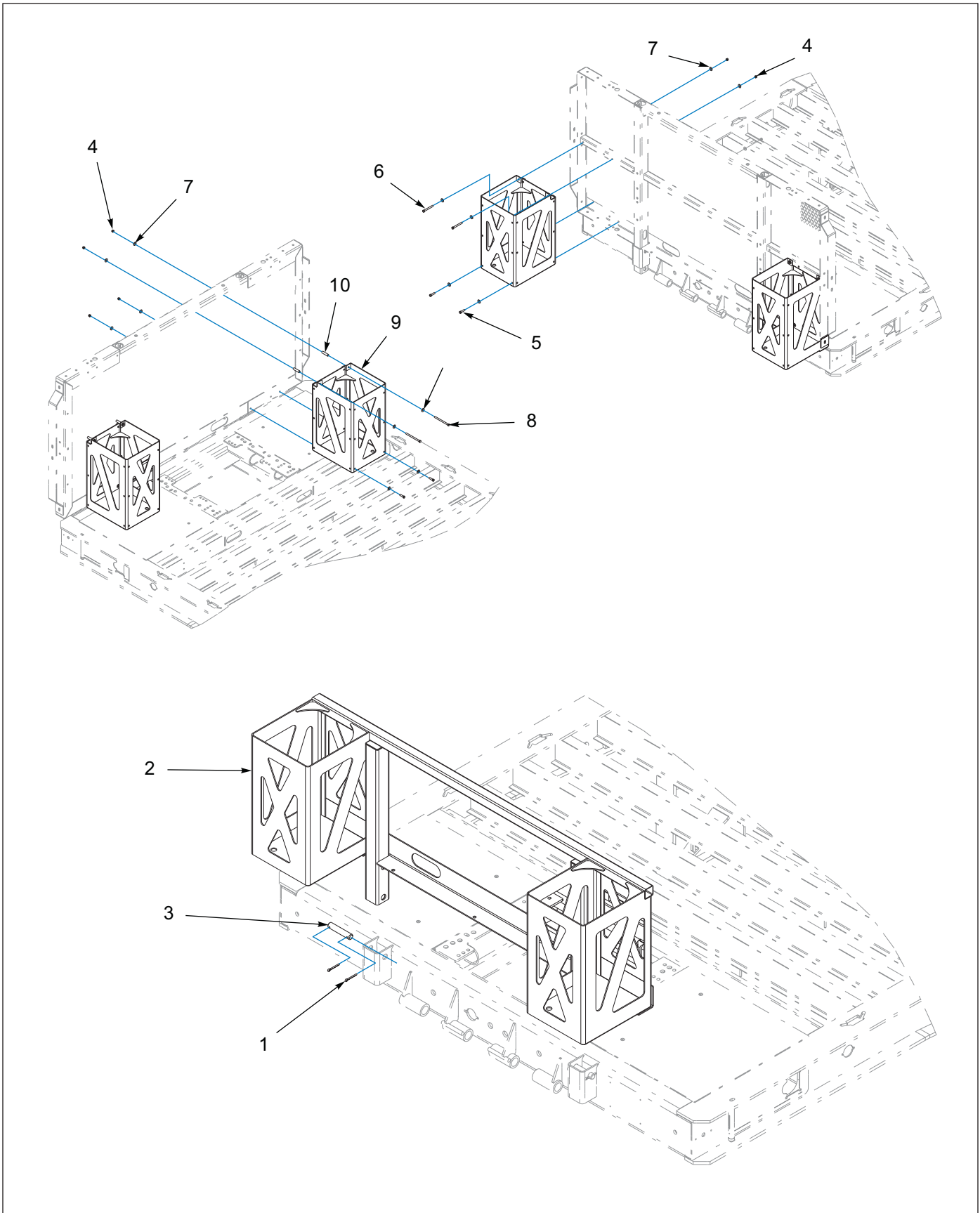


Figure 1-89: Propane Rack Mount Installation

Propane Rack Mount Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.		
	204075	PROPANE TANK BRACKET BOLT-ON	*		
	204095	PROPANE TANK BRACKET, FRONT MNT		*	
	204096	PROPANE TANK BRACKET, REAR MNT			*
1	1-557-010362-63	PIN COTTER, 1/4 X 2	4	--	--
2	204076	PROPANE TANK HOLDER WELDMENT	1	--	--
3	6-557-010163	PIN HITCH LEVELING LINK	2	--	--
4	1-512-010005-05	NUT, HEX, SLFLKG, 3/9-16 UNC, GRB	--	4	4
5	1-654-010051-07	SCREW, HEX, 3/8-16UNCX1-1/2, GR5	--	2	2
6	1-654-010051-15	SCREW, HEX, 3/8-16UNCX3-1/2, GR5	--	2	--
7	1-861-010032-11	WASHER, FLAT, ZP/CD, 3/8W	--	8	8
8	139603	SCREW, HEX CAP, 3/8-16 X 5-1/2 GR5	--	--	2
9	204089	PROPANE TANK HLDR WLDMT BLT-ON	--	1	1
10	204094	TUBE, ROUND, .5625 OD X .397 ID X 2.25	--	--	2

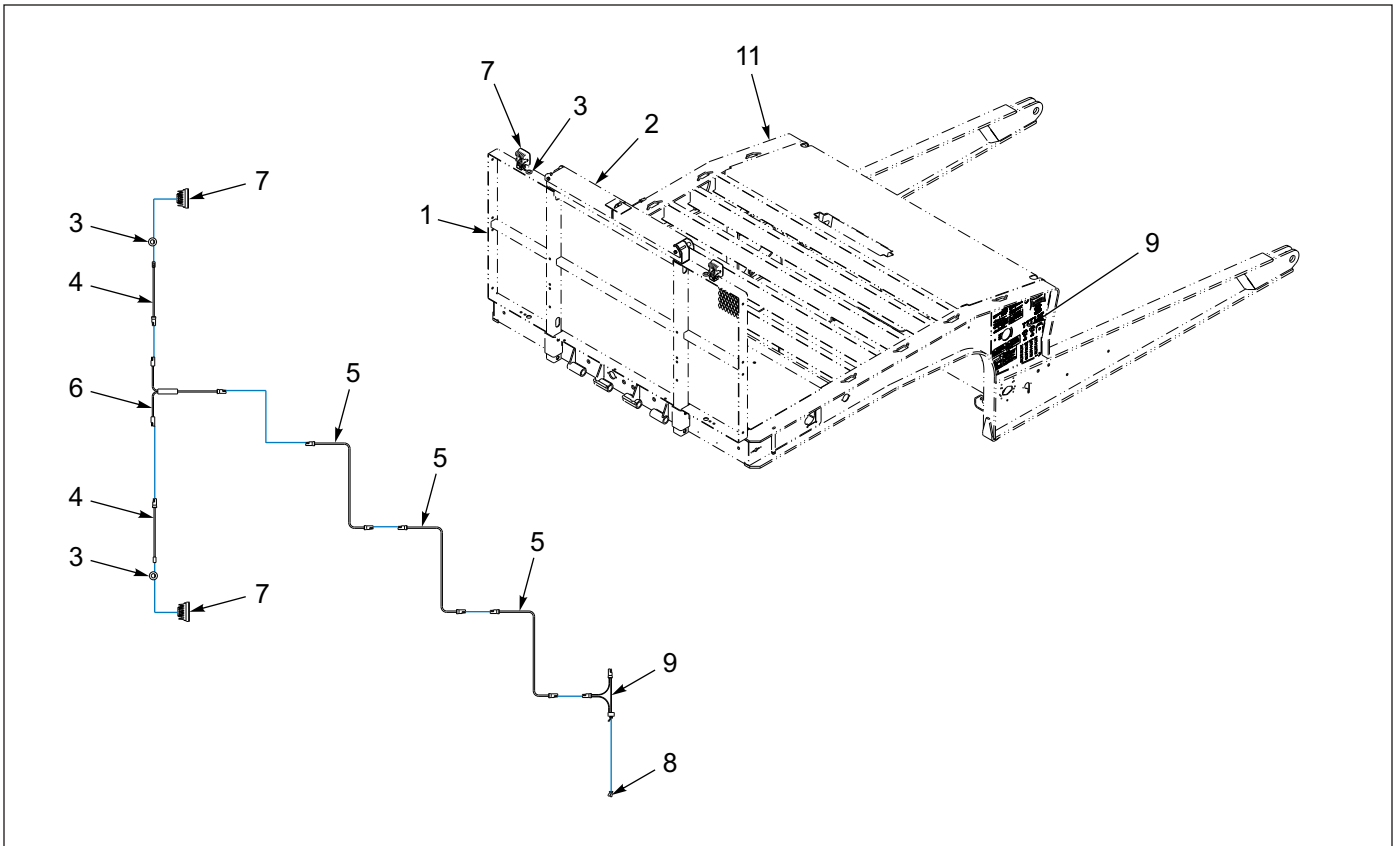


Figure 1-90: Work Light Installation

Work Light Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	191813	WORK LIGHT INSTL, BULKHEAD	*	
	191814	WORK LIGHT HD INSTL, BULKHEAD	*	
1	3-141-010155	BULKHEAD WELDMENT	REF	REF
2	B7-141-003	CHAIN RACK INSTALLATION	REF	REF
3	1-343-010006	GROMMET	2	2
4	164052	HARNESS, 60" BRANCH WORK LIGHT	2	2
5	3-368-010252	HARNESS ASSEMBLY, BULKHEAD LIGHT EXTENSION	2	3
6	169853	HARNESS, JUMPER T-POWER	1	1
7	163996	LIGHT LED WHITE FLOOD LAMP	2	2
8	81264	RUBBER BOOT FOR ELECT SWITCH	1	1
9	150117	TOGGLE SWITCH SEALED SPST	1	1
10	1-822-010002	TRIM LOCK 3/16 (NOT SHOWN)	4	4

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Bumpers - Options

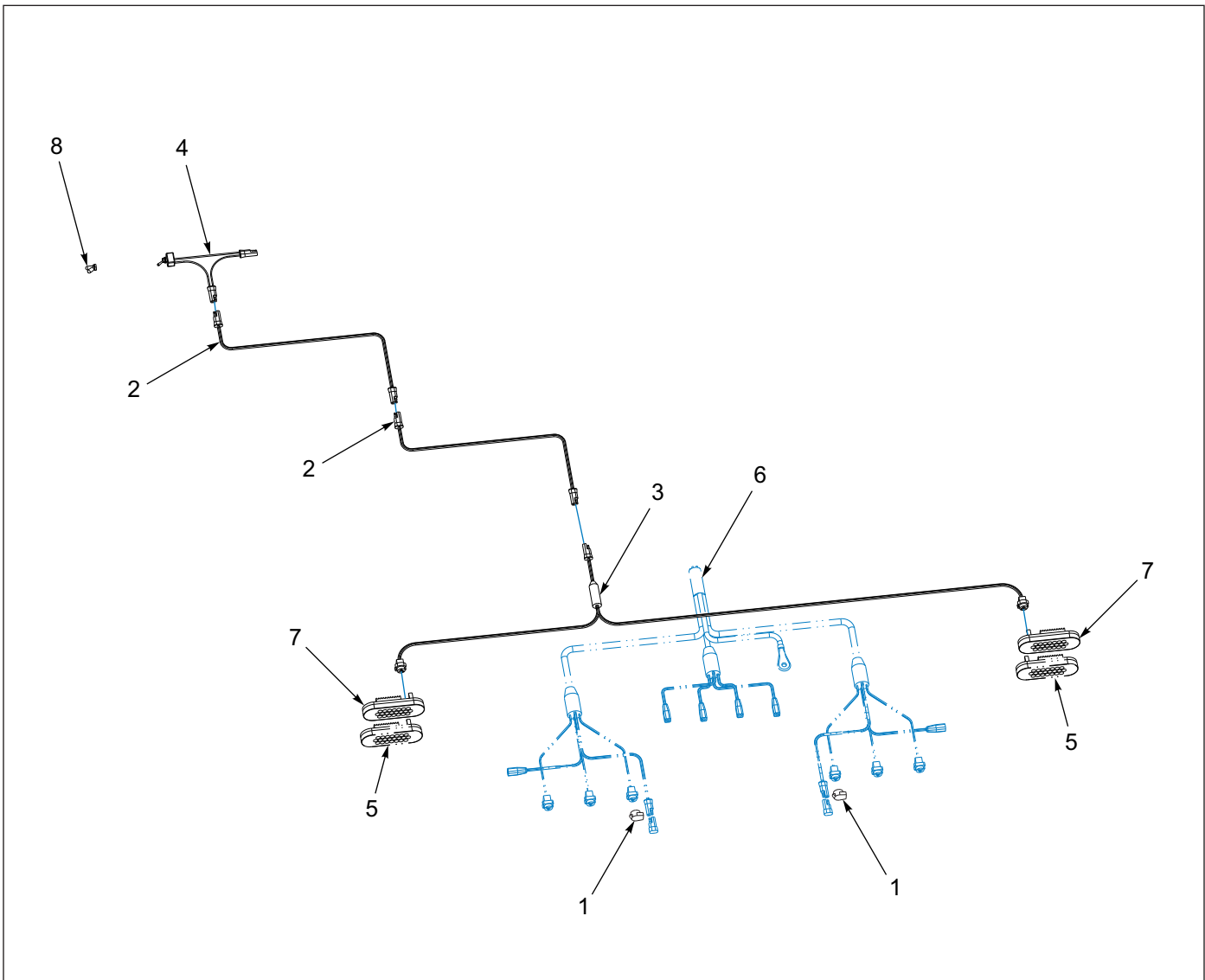


Figure 1-91: Strobe Installation

Strobe Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191834	STROBE INSTL BUMPER GROTE	
1	144608	DUMMY PLUG FOR FEMALE PLUG	2
2	150111	HARNESS 300 IN MALE.FEMALE	2
3	150114	HARNESS BUMPER STROBE GROTE	1
4	150117	SWITCH ASSY LIGHT GROTE	1
5	179902	LIGHT S/T/T RED CLEAR LENS GRT	2
6	187859	HARNESS BUMPER MICRONOVA GROTE	REF
7	187869	LIGHT STROBE YEL CLEAR LENS GR	2
8	81264	RUBBER BOOT FOR ELECT SWITCH	1
9	191835	FIELD INSTALLATION KIT - STROBE INSTALL BUMPER GROTE	

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Deck & Slope - Options

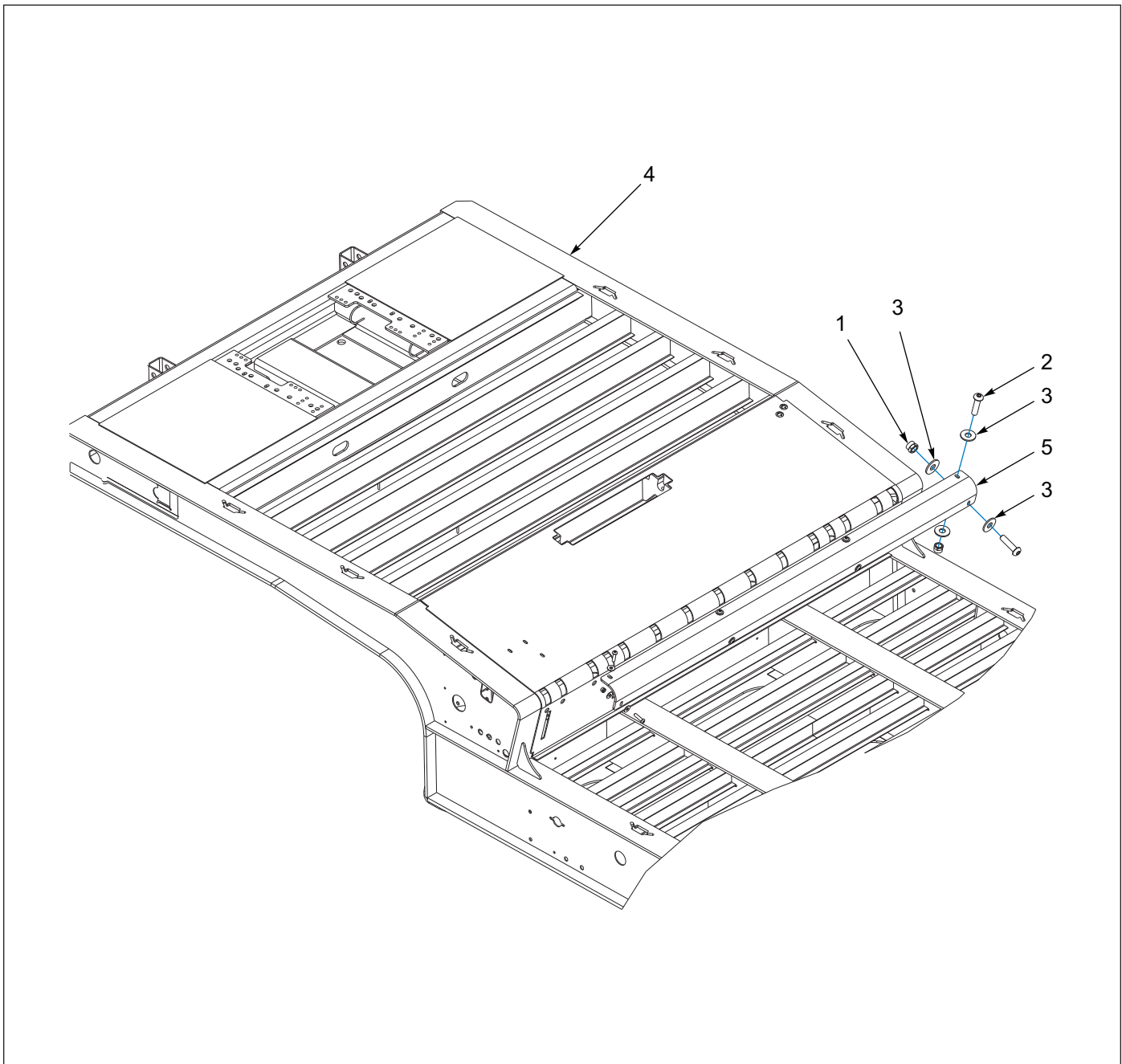


Figure 1-92: Fork Lift Plate Installation

Fork Lift Plate Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	141710	FORKLIFT BUMPER PLATE INSTALLATION	
1	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 UNC, GRB	8
2	1-654-010089-13	SCREW, SKT BTN, CP 1/2-13 UNC X 2	8
3	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	16
4	139540	FRAME WELDMENT, 950B-45	REF
5	141689	PLATE, FORKLIFT BUMPER, 930B	8

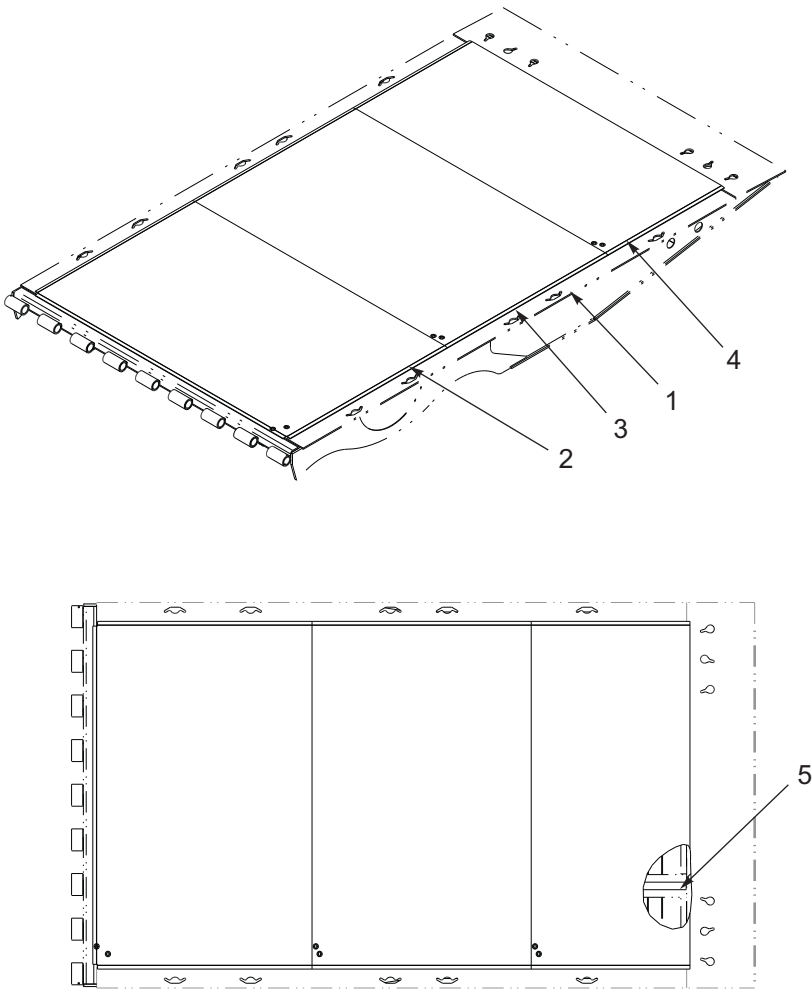


Figure 1-93: Deck Tread Grip/ Over Wood - 15' Tail

Deck Tread Grip/Over Wood - 15' Tail

ITEM	PART NUMBER	DESCRIPTION	QTY.
	117503	DECK TREAD GRIP/ OVER WOOD 15' TAIL	
1	113427	TAIL WELDMENT, 15' WOOD DECK	REF
2	117504	PLATE, TREAD GRIP 58 X 94-1/2 FRONT	1
3	117505	PLATE, TREAD GRIP 58 X 94-1/2	1
4	117506	PLATE, TREAD GRIP 42 X 94-1/2	1
5	117507	BAR, FLAT 1/4 X 2 X 156	2
6	130266	FIELD INSTALLATION KIT - DECK GRIP OVER WOOD 15' TAIL	REF
7	134739	FIELD INSTALLATION KIT - DECK GRIP OVER WOOD 12' TAIL	REF

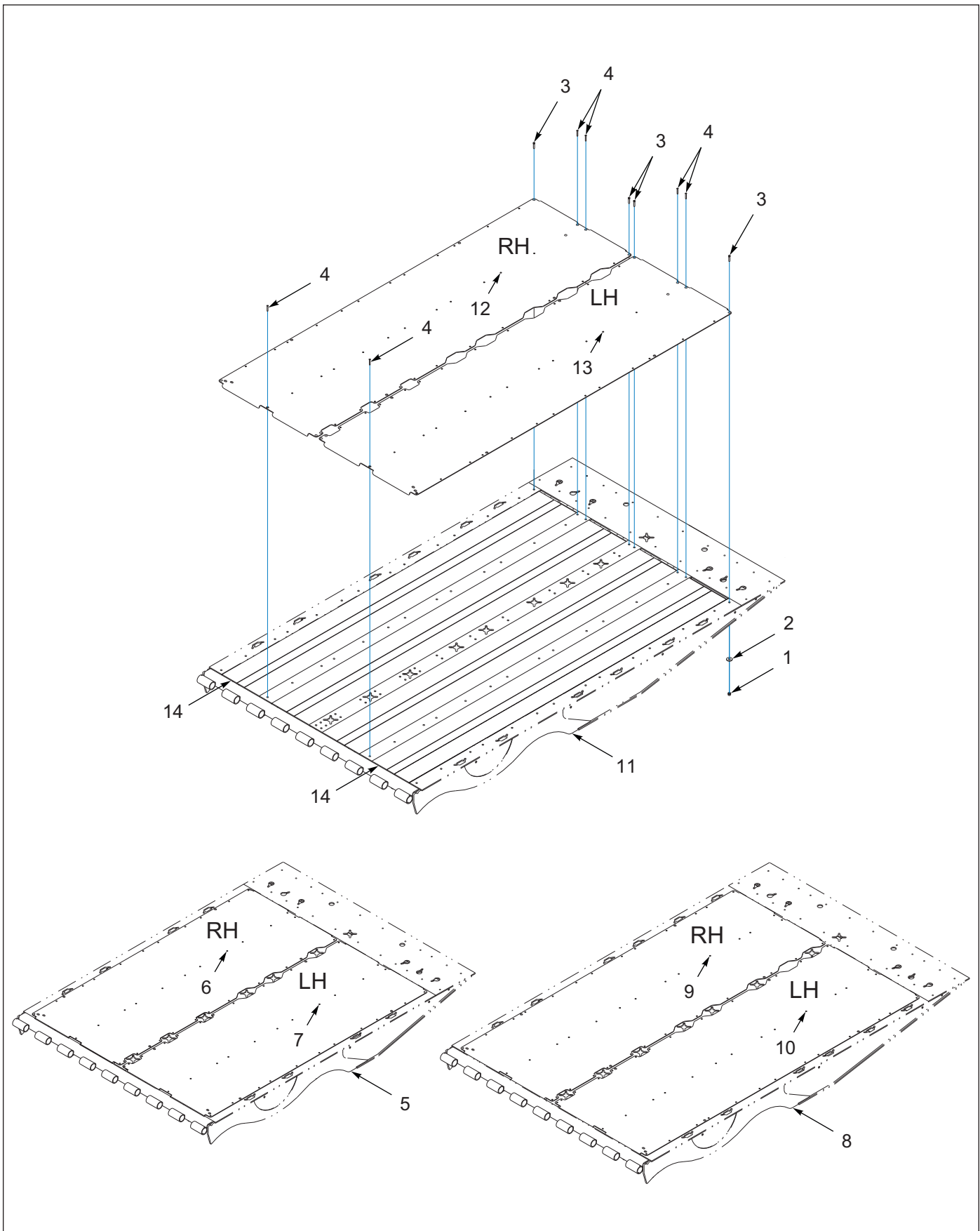


Figure 1-94: Tail Tread Grip-222967

Tail Tread Grip-222967

ITEM	PART NUMBER	DESCRIPTION	QTY.
--	222968	TREAD GRIP,BO,900-12 TL,TLRCLR	--
--	222969	TREAD GRIP,BO,900-12TAIL,GALV	--
--	222970	TREAD GRIP,BO,900-14,TRLCLR	--
--	222971	TREAD GRIP,BO,900-14 TAIL,GALV	--
--	222972	TREAD GRIP,BO,900-15TL,TRL CLR	--
--	222973	TREAD GRIP,BO,900-15TAIL,GALV	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (68 EACH FOR 222968, 222969) (80 EACH FOR 222970, 222971) (86 EACH FOR 222972, 222973)	--
2	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD (68 EACH FOR 222968, 222969) (80 EACH FOR 222970, 222971) (86 EACH FOR 222972, 222973)	--
3	103988	SCREW,RDHD,SQ NK3/8-16X1-3/4 (62 EACH FOR 222968, 222969) (74 EACH FOR 222970, 222971) (80 EACH FOR 222972, 222973)	--
4	195009	SCREW,RD HD 3/8-16X1-1/2 GR5	6
5	219310	TAIL WLDMT 900-12FT 235	--
5	219311	GALV OF 219310 (12' TAIL)	--
6	219332	PAINT 219328 TRL CLR RH TG 12'	1
6	219333	GALV OF 219328 RH TRD GRIP 12'	1
7	219330	PAINT 219329 TRL CLR LH TG 12'	1
7	219331	GALV OF 219329 LH TRD GRIP 12'	1
8	220408	TAIL WLDMT 900-15FT 235	--
8	220442	GALV OF 220408 15'TAIL 235	--
9	220444	PAINT 220412 TRL CLR,RHTRDGRIP	1
9	220446	GALV OF 220412,RH TRD GRIP	1
10	220445	PAINT 220413 TRL CLR,LHTRDGRIP	1
10	220447	GALV OF 220413,LH TRD GRIP	1
11	221022	TAIL WLDMT 900-14FT 235	--
11	221023	GALV OF 221022 (14' TAIL)	--
12	221036	PAINT 221034 TRL CLR RH TG 14'	1
12	221038	GALV OF 221034 RH TRD GRIP 14'	1
13	221037	PAINT 221035 TRL CLR LH TG 14'	1
13	221039	GALV OF 221035 LH TRD GRIP 14'	1
14	RWD39021	APITONG, 1 X 7.08, 2.65 (116 FEET FOR 222968, 222969) (140 FEET FOR 222970, 222971) (142 FEET FOR 222972, 222973)	--

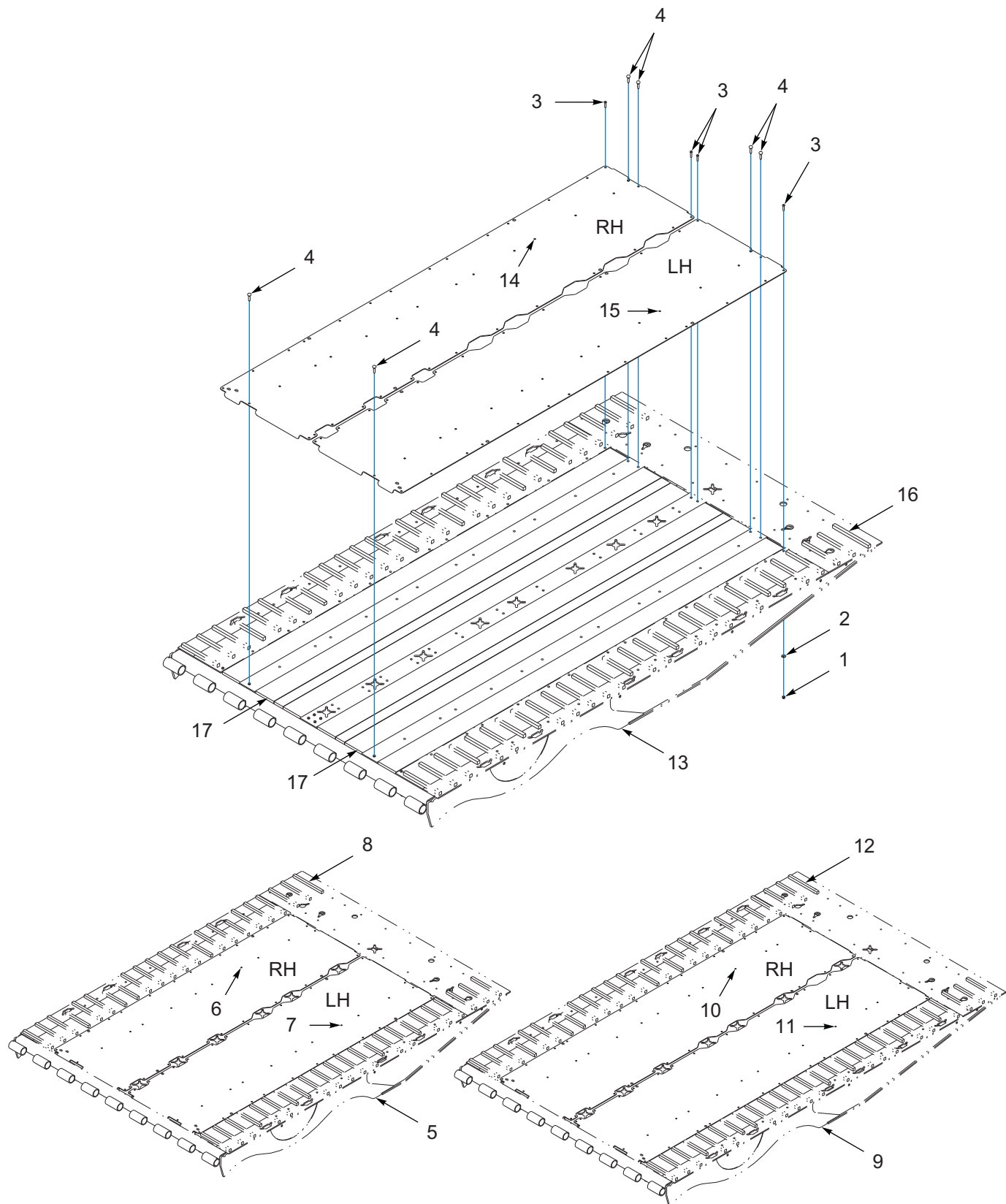


Figure 1-95: Tail Tread Grip-223036

Tail Tread Grip-223036

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223037	TG BO 900-12 TAIL, TRLCLR TB	--
	223038	T-GRIP BO 900 12 TAIL GALV TB	--
	223039	TG BO 900-14 TAIL, TRLCLR TB	--
	223040	T-GRIP BO 900 14 TAIL GALV TB	--
	223041	TREAD GRIP,BO,900-15TL,TRL CLR	--
	223042	TREAD GRIP,BO,900-15TL,GALV	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (68 EACH FOR 223037, 223038) (80 EACH FOR 223039, 223040) (86 EACH FOR 223041, 223042)	--
2	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD (68 EACH FOR 223037, 223038) (80 EACH FOR 223039, 223040) (86 EACH FOR 223041, 223042)	--
3	223124	SCREW,BHCS 3/8-16UNCX1-3/4 (BEFORE 11/13/2019) (68 EACH FOR 223037, 223038) (80 EACH FOR 223039, 223040) (86 EACH FOR 223041, 223042)	--
3	103988	SCREW,RDHD,SQ NK3/8-16X1-3/4 (AFTER 11/13/2019) (62 EACH FOR 223037, 223038) (74 EACH FOR 223039, 223040) (80 EACH FOR 223041, 223042)	--
4	195009	SCREW,RD HD 3/8-16X1-1/2 GR5 (AFTER 11/13/2019)	6
5	219310	TAIL WLDMT 900-12FT 235	--
6	224910	PAINT 224908 TRL CLR RH TG 12	1
6	224912	GALV OF 224908 RH TG 12' TB	1
7	224909	PAINT 224907 TRL CLR LH TG 12	1
7	224911	GALV OF 224907 LH TG 12' TB	1
8	223024	TRACTION BAR INSTL 12FT	--
8	223025	GALV OF 223024 TRACT BARS 12FT	--
9	221024	TAIL WLDMT 900-14FT 255	--
10	219344	PAINT 219342 TRL CLR RH TG 14	1
10	219346	GALV OF 219342 RH TG 14' TB	1
11	219345	PAINT 219343 TRL CLR LH TG 14	1
11	219347	GALV OF 219343 LH TG 14' TB	1
12	223027	TRACTION BAR INSTL 14FT	--
12	223028	GALV OF 223027 TRACT BARS 14FT	--
13	220408	TAIL WLDMT 900-15FT 235	--
14	223004	PAINTED 223002 TRL CLR RH TRD	1
14	223006	GALV OF 223002 TRL CLR RH TRD	1

Tail Tread Grip-223036

ITEM	PART NUMBER	DESCRIPTION	QTY.
15	223005	PAINTED 223003 TRL CLR LH TRD	1
15	223007	GALV OF 223003 TRL CLR LH TRD	1
16	220448	TRACTION BAR INSTL,15FT	--
16	220449	GALV OF 220448 TRACT BARS 15FT	--
17	RWD39021	APITONG, 1 X 7.08 2.65 (68 FEET FOR 223037, 223038) (82 FEET FOR 223039, 223040) (89 FEET FOR 223041, 223042)	--

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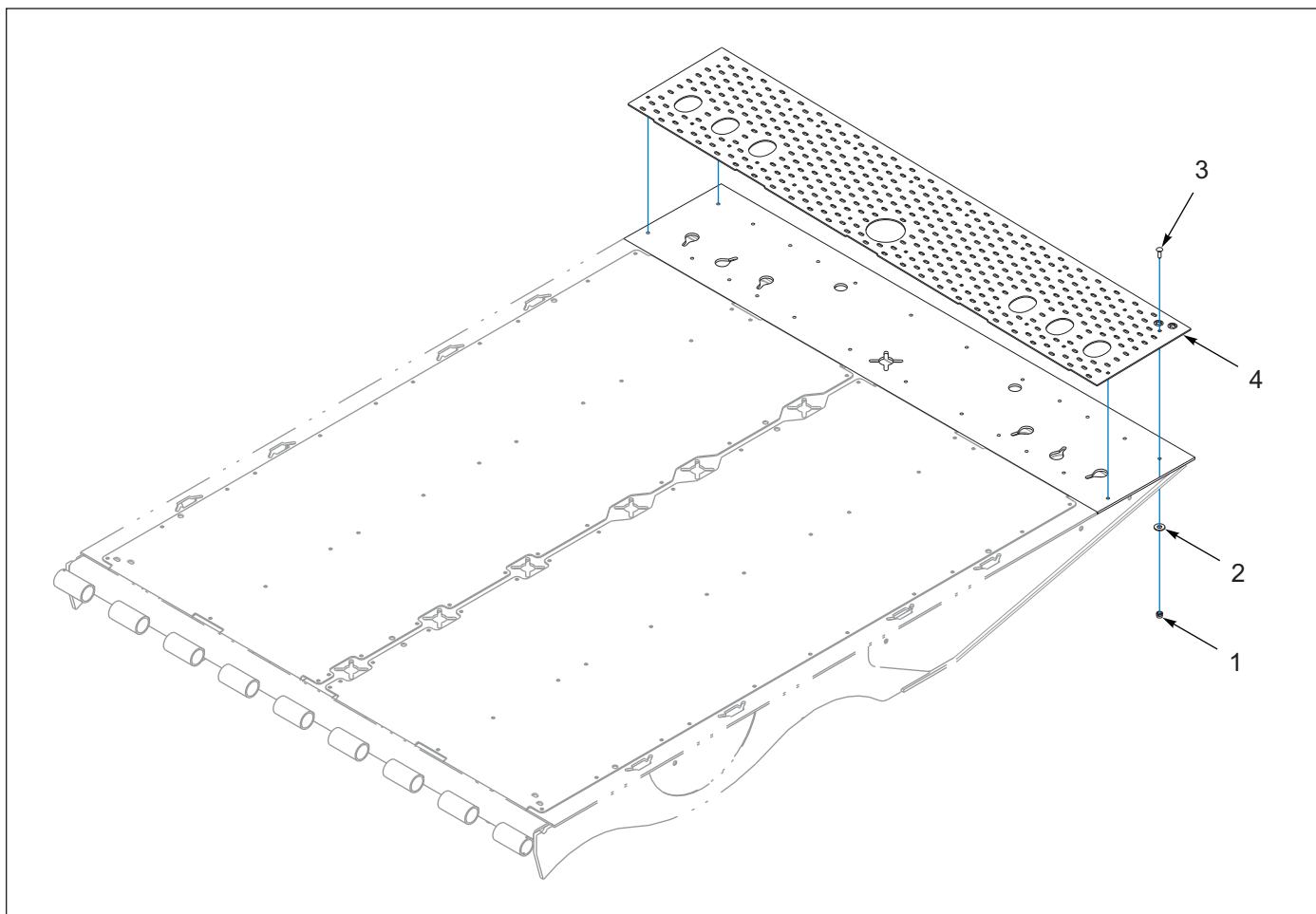


Figure 1-96: Tail Tread Grip End Plate

Tail Tread Grip End Plate

ITEM	PART NUMBER	DESCRIPTION	QTY.
---	222965	TREAD GRIP,BO,900 APPR,TRL CLR	---
---	222966	TREAD GRIP,BO,900 APPR,GALV	---
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	24
2	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	24
3	101864	SCREW,RD HD 3/8-16X1-1/4 GR5	24
4	220431	TRD GRIP 220430 PTD TRLR COLOR (FOR 222965)	1
4	220432	GALV OF 220430 TRD GRIP (FOR 222966)	1

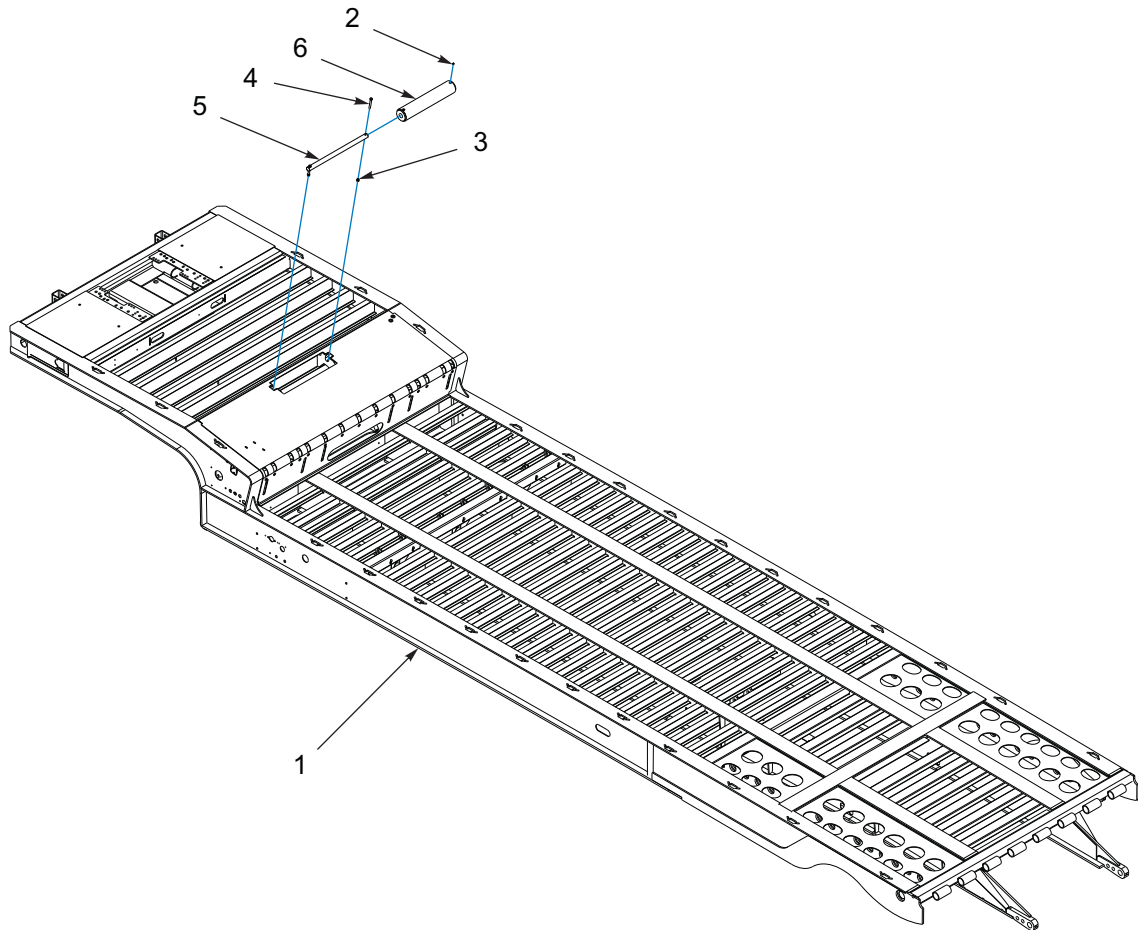


Figure 1-97: Dual Slope Roller Installation

Dual Slope Roller Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	160084	DUAL SLOPE ROLLER INSTALLATION	
1	-----	FRAME, MOD DUAL SLOPE ROLL	1
2	1-298-010001-1	FITTING, GREASE STR SHORT 1/4-28	6
3	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	11
4	1-654-010055-13	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	11
5	3-642-010134	ROLLER ROD	2
6	3-645-010059	ROLLER WELDMENT, CABLE - UPPER DECK	2

Electrical Installation - Options

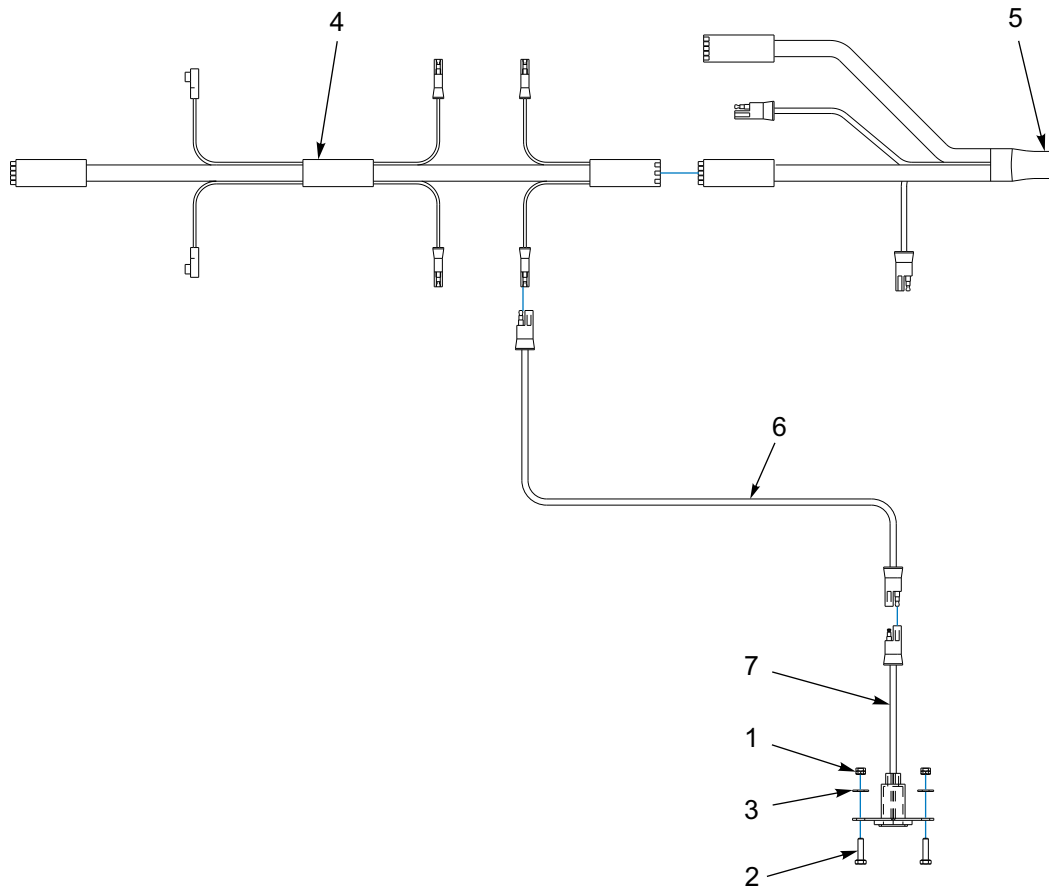


Figure 1-98: Rear Side Electrical Outlet Installation

Rear Side Electrical Outlet Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	145538	ELECTRICAL OUTLET, REAR SIDE	
1	1-512-010005-01	NUT, HEX LOCK 1/4-20 GRB	2
2	1-654-010047-06	SCREW, HEX HEAD CAP 1/4-20 X 1 GR5	2
3	1-861-010032-07	WASHER, FLAT 1/4W	2
4	143102	HARNESS, BED MAIN GROTE	REF
5	143103	HARNESS, E-CHAIN GROTE	REF
6	150111	HARNESS 300"	1
7	150116	HARNESS/RECEPTACLE ASSEMBLY	1

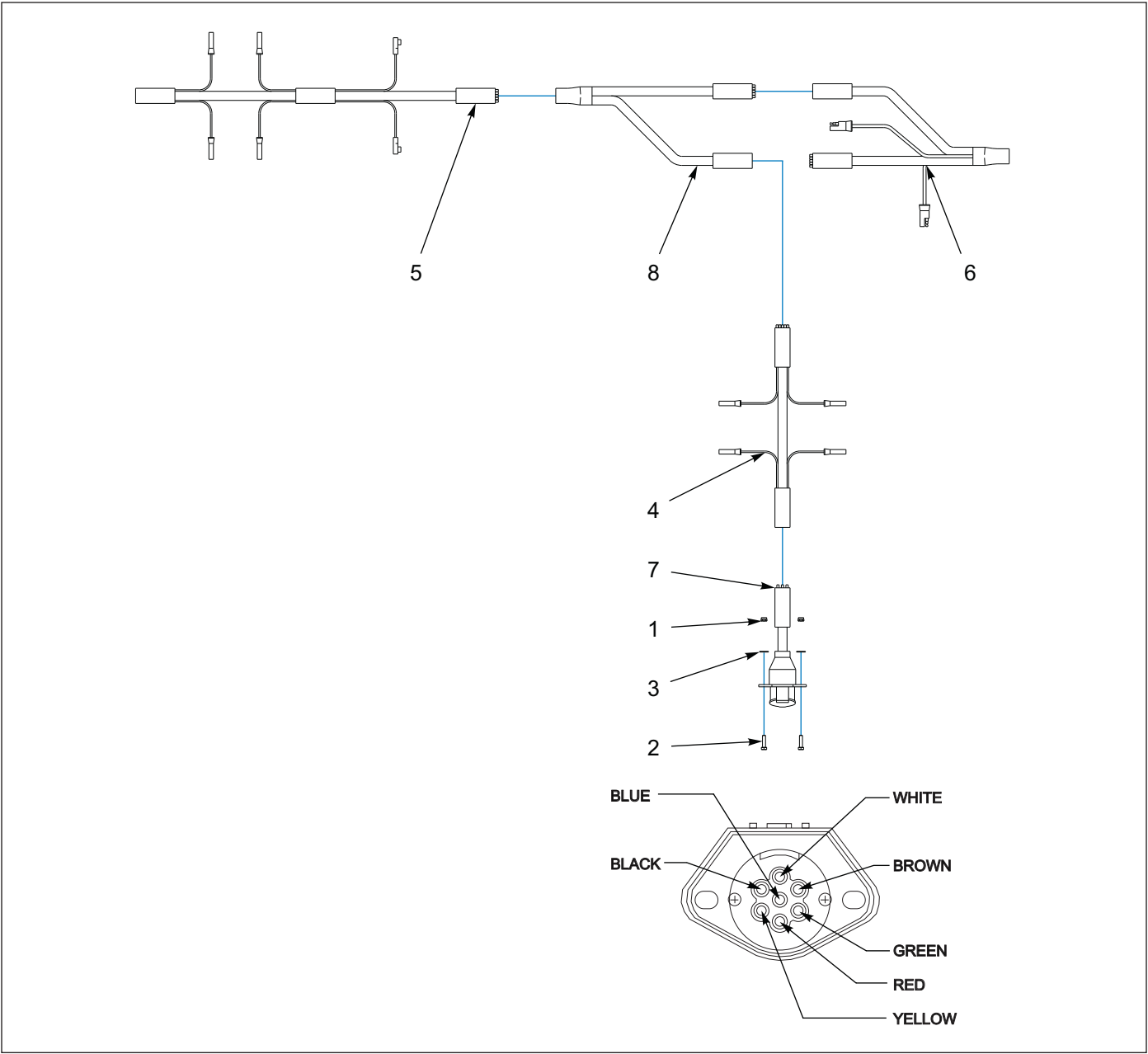


Figure 1-99: 7-Way Electrical Installation

7-Way Electrical Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	148585	7-WAY ELECTRICAL INSTALLATION	
1	1-512-010005-01	NUT, HEX LOCK 1/4-20 GRB	2
2	1-654-010047-06	SCREW, HEX HEAD CAP 1/4-20 X 1 GR5	2
3	1-861-010032-07	WASHER, FLAT 1/4W	2
4	143101	HARNESS, FRONT MAIN	1
5	143102	HARNESS, BED MAIN	REF
6	143103	HARNESS, E-CHAIN	REF
7	146897	HARNESS, 7-WAY RECEPTACLE MAIN	1
8	146929	HARNESS, Y SPLITTER	1

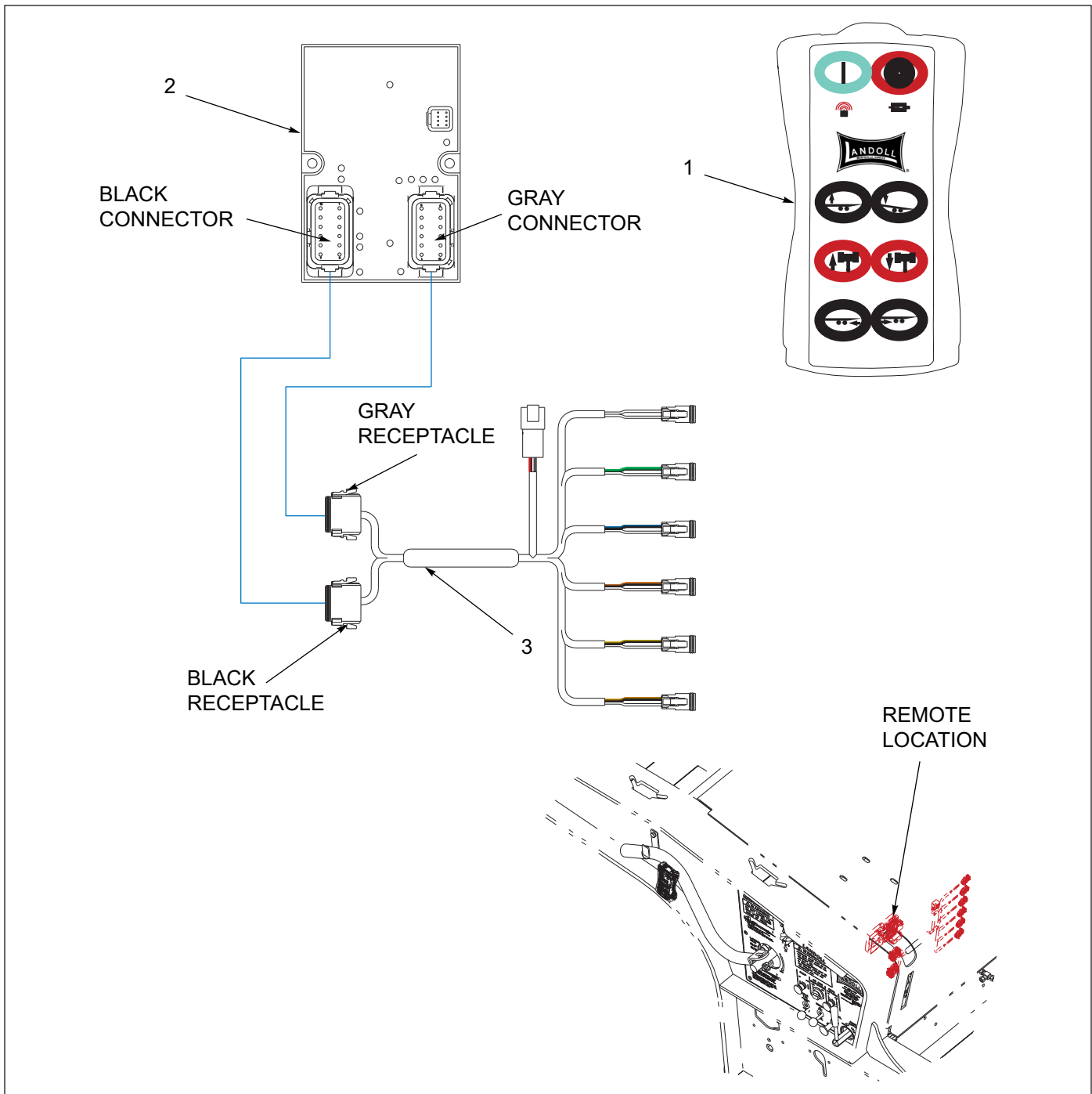


Figure 1-100: Remote - Brand 6-Function

Receiver Transmitter - Brand 6-Function

ITEM	PART NUMBER	DESCRIPTION	QTY.
	213497	REMOTE KIT BRAND 6 FUNC 900 (INCLUDES ITEMS 1-3)	--
1	213503	TRANSMITTER 6 FUNC 900	1
2	209102	RECEIVER 6 FUNC SIDE AX	1
3	209103	HARNESS RECEIVER 6 FUNC SLIDE	1
4	218023	ADAPTER DIN 43/2PIN DUTSCH (NOT INCLUDED)	6
5	194407	PLUG ASSY DUMMY DEUTSCH 2 PIN (NOT INCLUDED)	--

[illegible]

Engines - Options

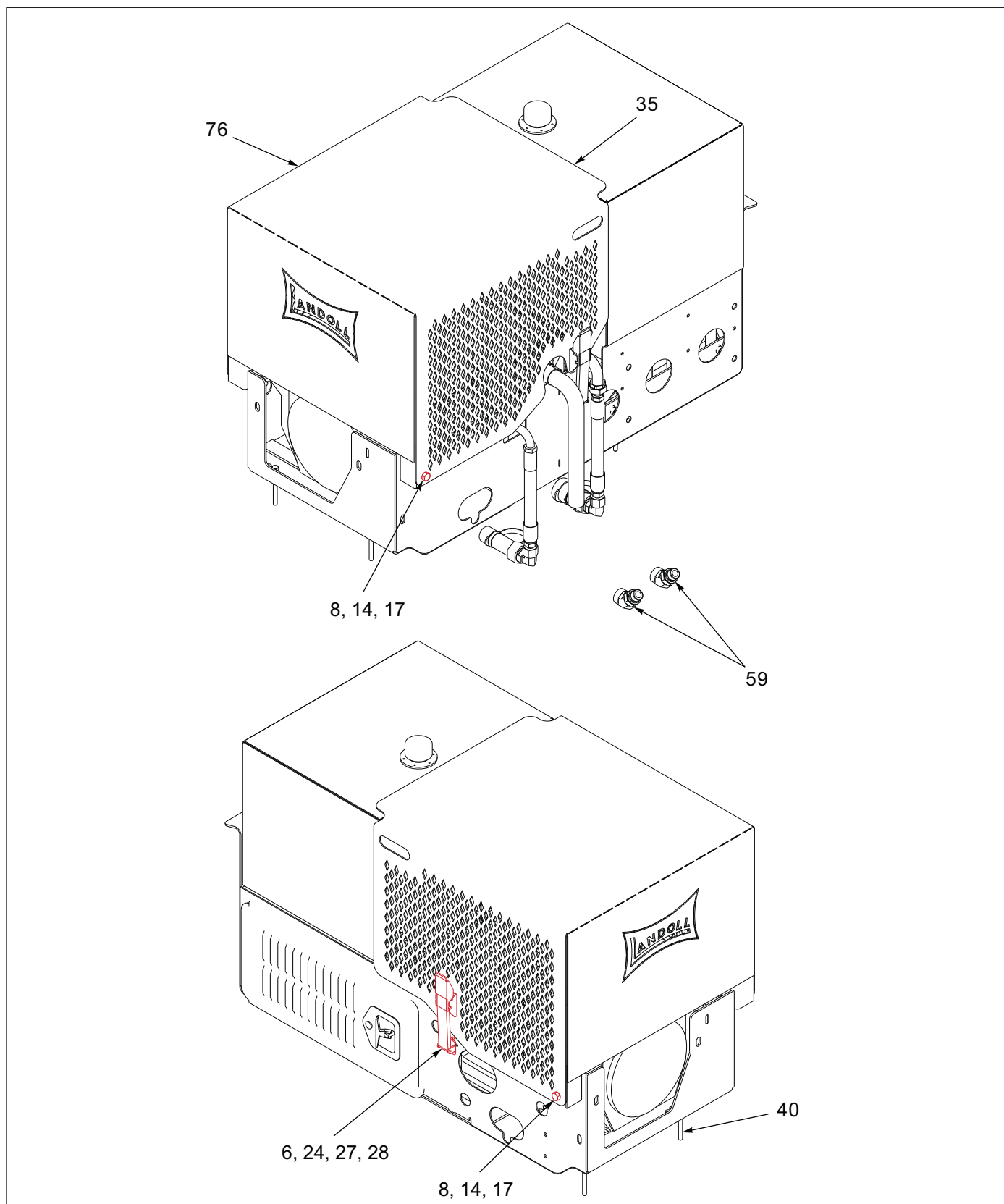


Figure 1-101: 25 HP Upper Deck Package (1 of 4)

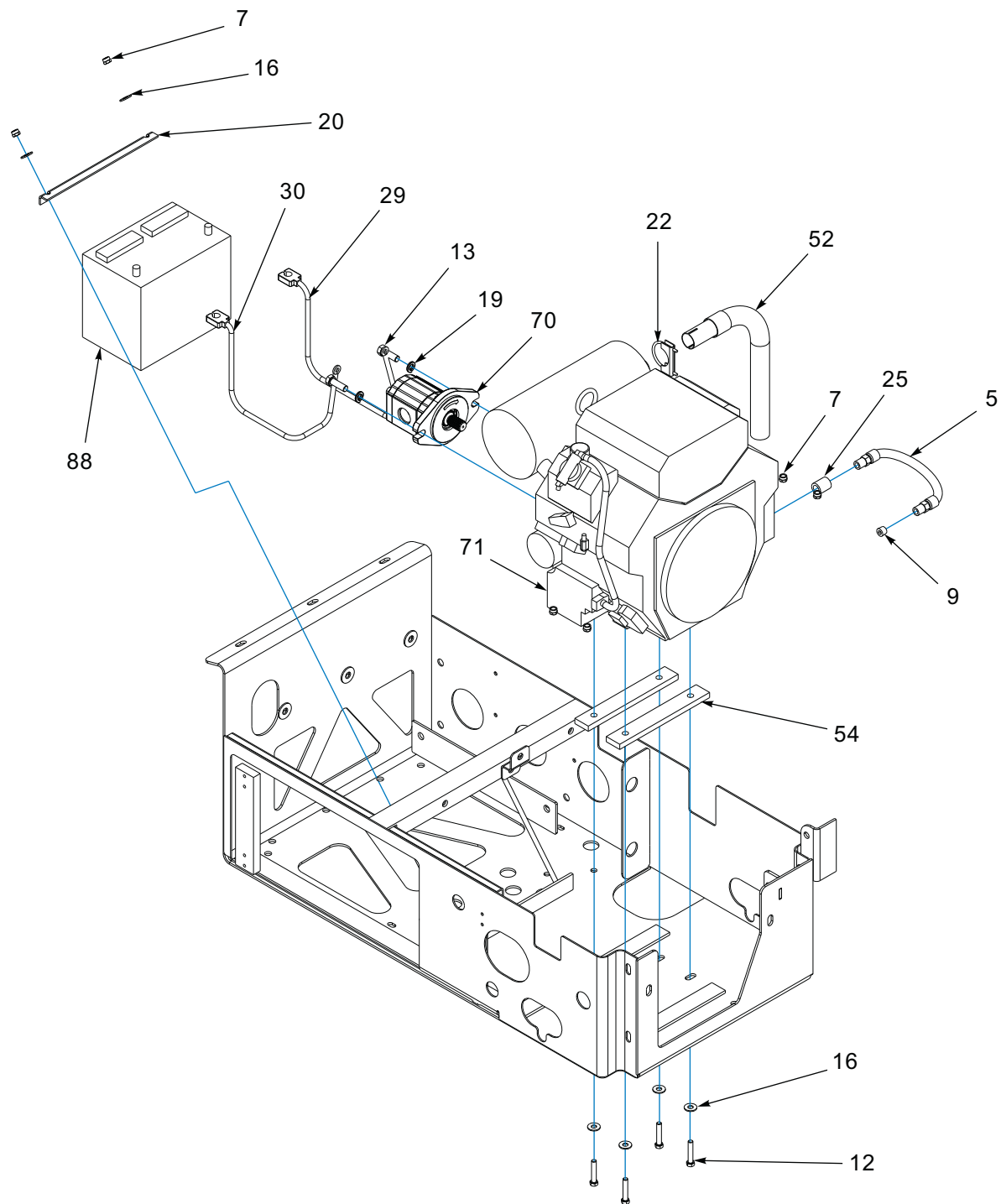
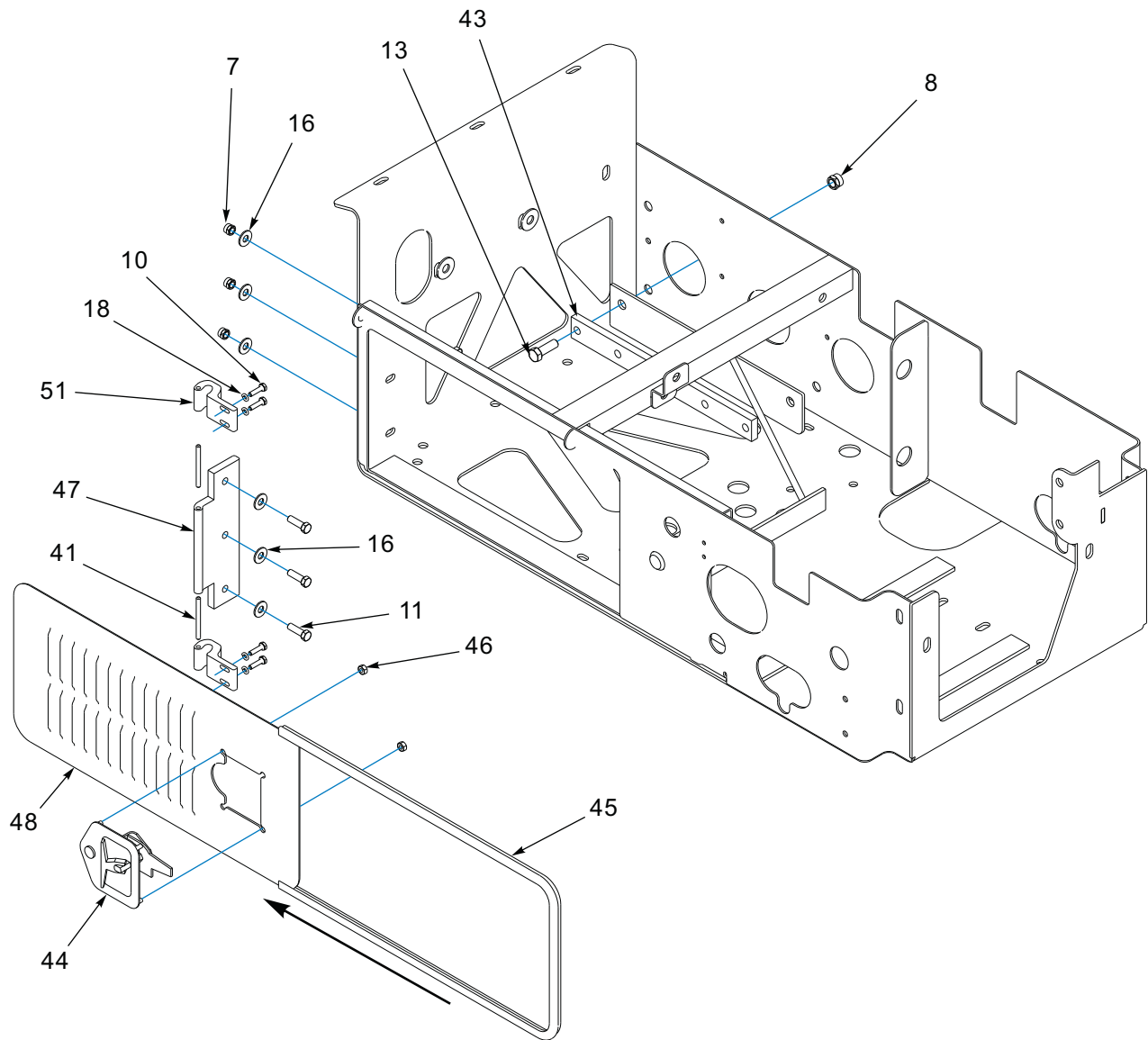
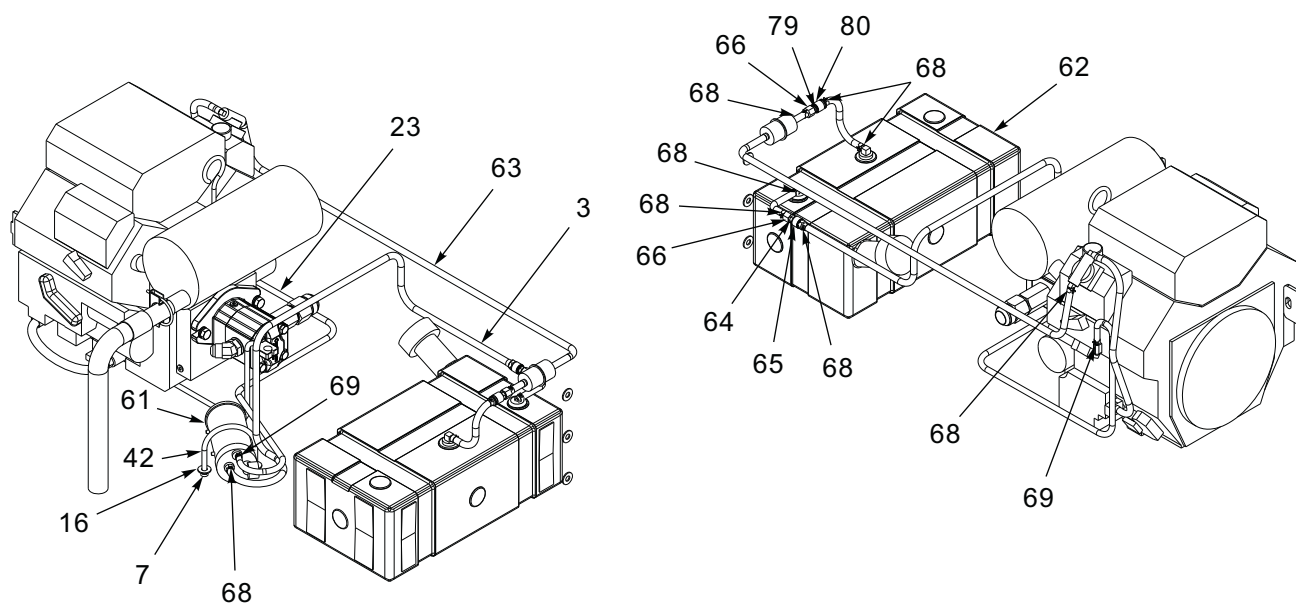


Figure 1-102: 25 HP Upper Deck Package (2 of 4)

**BASE - DOOR ASSEMBLY****Figure 1-103: 25 HP Upper Deck Package (3 of 4)**



FUEL SYSTEM INSTALLATION

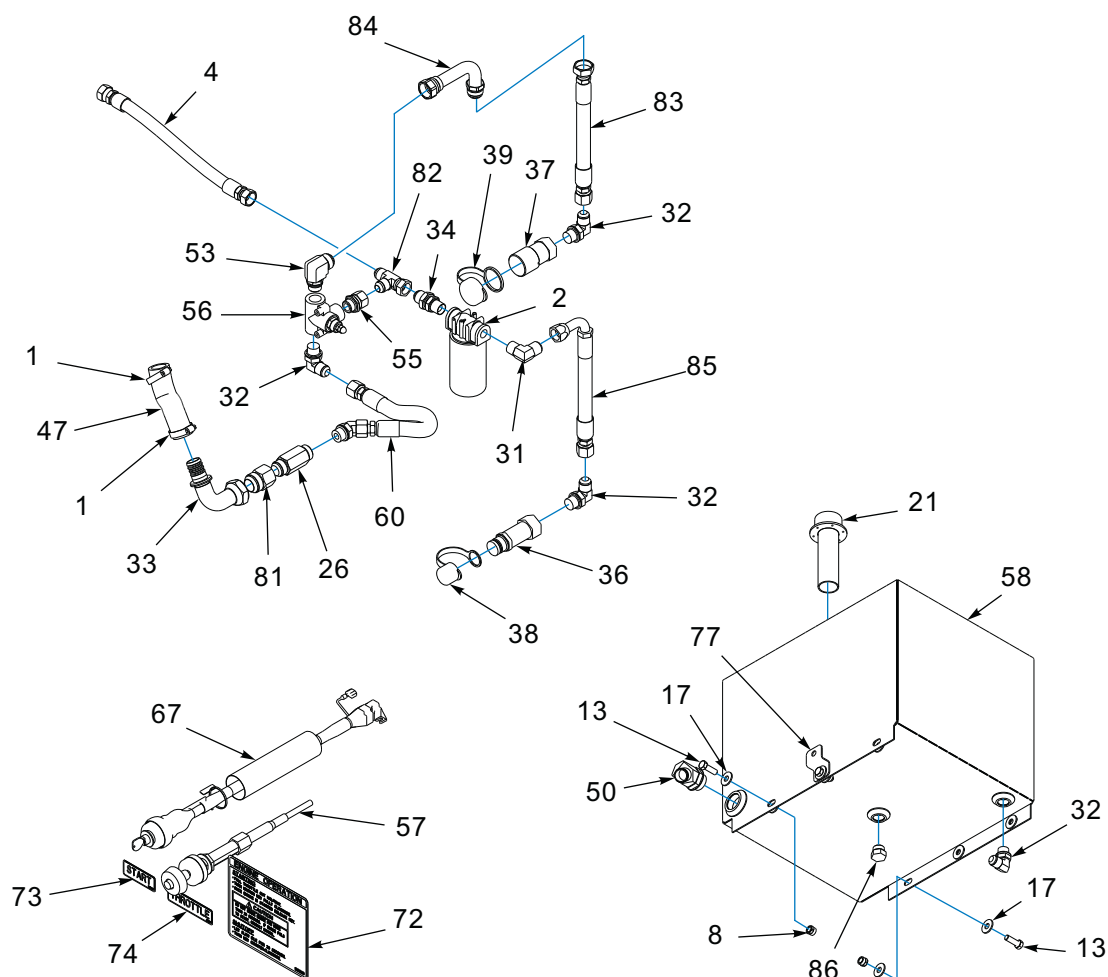


Figure 1-104: 25 HP Upper Deck Package (4 of 4)

25 HP Upper Deck Package

ITEM	PART NUMBER	DESCRIPTION	QTY.
	189360	ENGINE PACKAGE, 25HP EFI, U/D	
	189360FI	FIELD INSTL ENG PKG, 25 HP EFI, U/D	
1	1-181-010046-7	CLAMP,HOSE 1-1/16 TO 2DIA #24	2
2	1-295-010001	FILTER, RETURN LINE	1
3	1-316-010013	HOSE,1/4 LOW PRESSURE FUEL	5
4	1-397-010304018	HOSE ASSY,3/4X18,SAE37,STR-ST	1
5	1-397-010312032	HOSE ASSY,3/8X32,3/8 MPT ENDS	1
6	1-512-010004-03	NUT,HEX,SLFLK 10-24UNC, GRA	8
7	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	15
8	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	10
9	1-560-010002-03	PLUG, PIPE, 3/8NPTF	1
10	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	4
11	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	3
12	1-654-010051-09	SCREW,HEX CAP,3/8-16UNCX2 GR5	6
13	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	10
14	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5	2
15	1-822-010002	TRIM-LOK 3/16 (NOT SHOWN)	6
16	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	22
17	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	20
18	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	4
19	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	2
20	3-120-010124	BATTERY CLAMP BRKT	1
21	3-162-010001	FILLER BREATHER STRAINER ASSY	1
22	3-182-010028	CLAMP MUFFLER	1
23	3-316-010008	3/16 ID FUEL HOSE	3
24	3-443-010018	LATCH,FLEX DRAW,LEVER ASSIST	2
25	3/8P COUPL	3/8 BLK PIPE COUPLING	1
26	40-0667-02	ELBOW,45,,ST-37 12-12	1
27	110-0116	SCREW RD HD CAP 10-24X3/4	8
28	110-0253	WASHER,FLAT 3/16 STD	8
29	514-9045-30	CABLE ASSY BATTERY	1
30	514-9073-30	CABLE ASSY BATTERY	1
31	2024-12-12S	ADAPTER 90 3/4MPT X3/4M JIC	1
32	2062-12-12S	ADAPTER,90,#12 O-RINGX#12TUBE	5
33	2215-16-20S	ADAPTER-16JIC-20JIC STR	1
34	2240-12-12S	ADAPTER,BLKHD,3/4NPT-3/4TBE	1
35	10030	SEAL,BAR STOCK-NEOPRENE SPNG	2
36	105479	COUPLER FLAT FACE MALE NOSE	1
37	105480	COUPLER FLAT FACE FEMALE BODY	1
38	105481	COUPLER DUST CAP MALE	1
39	105482	COUPLER DUST CAP FEMALE	1
40	108295	SCREW,HX CP 3/8-16UNCX4 GR5	2
41	108601	PIN, DOOR HINGE	2
42	110578	U-BOLT, 3/8-16 x 3-1/8 x 4-1/8	1
43	113856	MOUNT,ENG ISOLATOR,KOHLERCH25	1
44	114814	LATCH FOLDING T LOCKABLE	1
45	114815	SEAL, SPONGE RUBBER TRIM	5
46	115877	NUT HVY HEX 1/4-20 GR5	4

25 HP Upper Deck Package

ITEM	PART NUMBER	DESCRIPTION	QTY.
47	116326	HINGE,BASE MNT, COM ENG PKG	1
48	116328	MOUNT,DOOR WLDMT,COM ENG PKG	1
49	116330	FITTING 1.25F 37-1.25 BARB 90	1
50	117873	FITTING,1.63-12 SAE-1 25H/B45	1
51	119206	HINGE, DOOR ENG DRV, 25HP	2
52	119445	EXHAUST EXT WLDMT 25HP E/P	1
53	120384	ADAPTER,#16JICX#12ORB,90ELB (ONLY BEFORE 11/2018)	1
54	120659	ISOLATOR, KOHLER 25HP MOUNT	2
55	120660	ADAPTER #12-O/RFEM-12#FL M	1
56	120661	VALVE,HYD PRES,#12SAE,2500P	1
57	128774	CABLE, THROTTLE 40'	1
58	129264	HYD TANK WLDMT, 30G E/P	1
59	138209	ADAPTER HYD 45#12 MALE-FEMORB	2
60	143850	HOSE ASSY 3/4X35OAL #12F JIC	1
61	166766	CARBON CANISTER,FUEL TANK,GAS	1
62	169531	TANK,FUEL PLSTC,6 GAL,LOW PERM	1
63	169532	HOSE, FUEL,1/4 LOW PERM, CARB	5
64	170109	FITTING,1/4MPT TO MALE QD,FORC	1
65	170110	FITTING,5/16BARB TO FE QD,FORC	1
66	173860	FITTING,1/4 HOSE BARBX1/4 FNPT	2
67	178428	SWITCH/HARNESS ASSY KOHLER UD	1
68	178638	SPRING CLAMP, 1/2"OD FUEL HOSE	8
69	179090	SPRING CLAMP,7/16"OD FUEL HOSE	2
70	186811	PUMP HYDRAULIC GEAR 0.77CID	1
71	189308	ENGINE,KOHLER,25HP,EFI,PUMP	1
72	189309	DECAL,EFI ENG PKG INSTR	1
73	189310	DECAL, START, ENG PKG	1
74	189311	DECAL, THROTTLE, ENG PKG	1
75	189361	WLDMT,ENG PKG MT, 25HP EFI (NOT SHOWN)	1
76	189364	WLDMT,HOOD,ENG PKG,25HP EFI	1
77	189369	PLATE,FUEL HOSE CLAMP	1
78	193904	HOSE, 1-1/4 X 7-1/2, SUCTION	1
79	202225	FITTING 1/4 MNPT/MALE QD	1
80	202226	FITTING5/16 HOSEBARB/FEMALE QD	1
81	202713-16-16S	ADAPTER-160-RING-16JIC STR	1
82	203102-12-12S	ADAPTER,TEE, #12, SAE37 SWIVL	1
83	1-397-010304060	HOSE ASSY 3/4 X 60, SAE37, STR-STB	1
84	205710	ADAPTER, 37-37 JIC, 90, 16S	1
85	205712	HOSE ASSY 3/4 X 60,#12 SAE 37	1
86	900598-12S	PLUG, O-RING BOSS #12	1
87	1410792	OIL, ENGINE 10W-30	0.5
88	2481X	BATTERY 12 VOLT (USED W/ 189360)	1
89	2481X DRY	BATTERY,248IX, NO ACID (USED W/ 189360FI)	1
90	199105	FUEL FILTER KOHLER, 25-050-42-S (NOT SHOWN)	1
91	210377	FUEL PUMP KOHLER (NOT SHOWN)	1
92	10109	DECAL, HYDRAULIC FLUID ONLY (NOT SHOWN)	REF
93	218046	DECAL, GASOLINE ONLY (NOT SHOWN)	REF

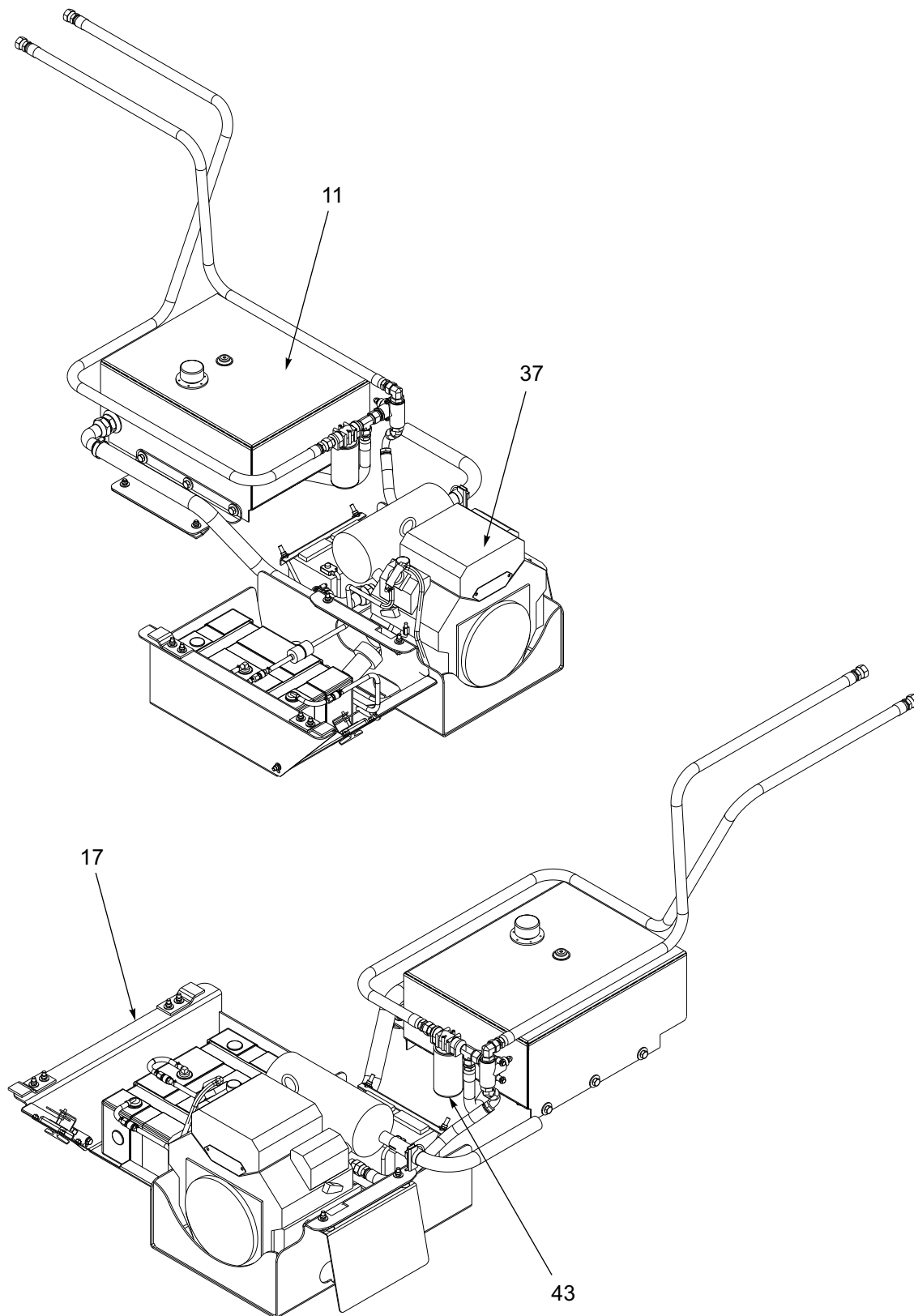
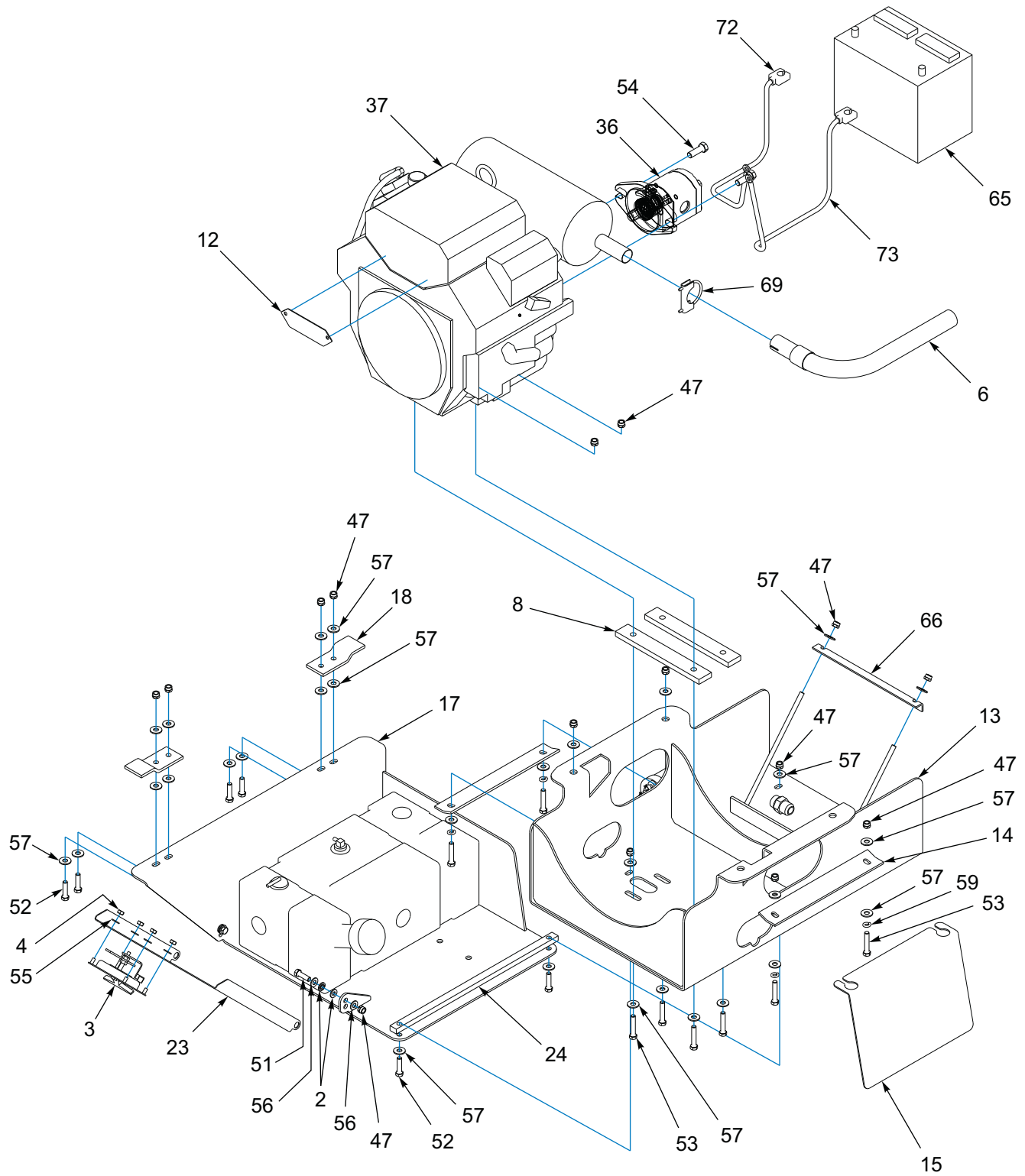


Figure 1-105: 25 HP Slope Package (1 of 4)



MOTOR BASE ASSEMBLY

Figure 1-106: 25 HP Slope Package (2 of 4)



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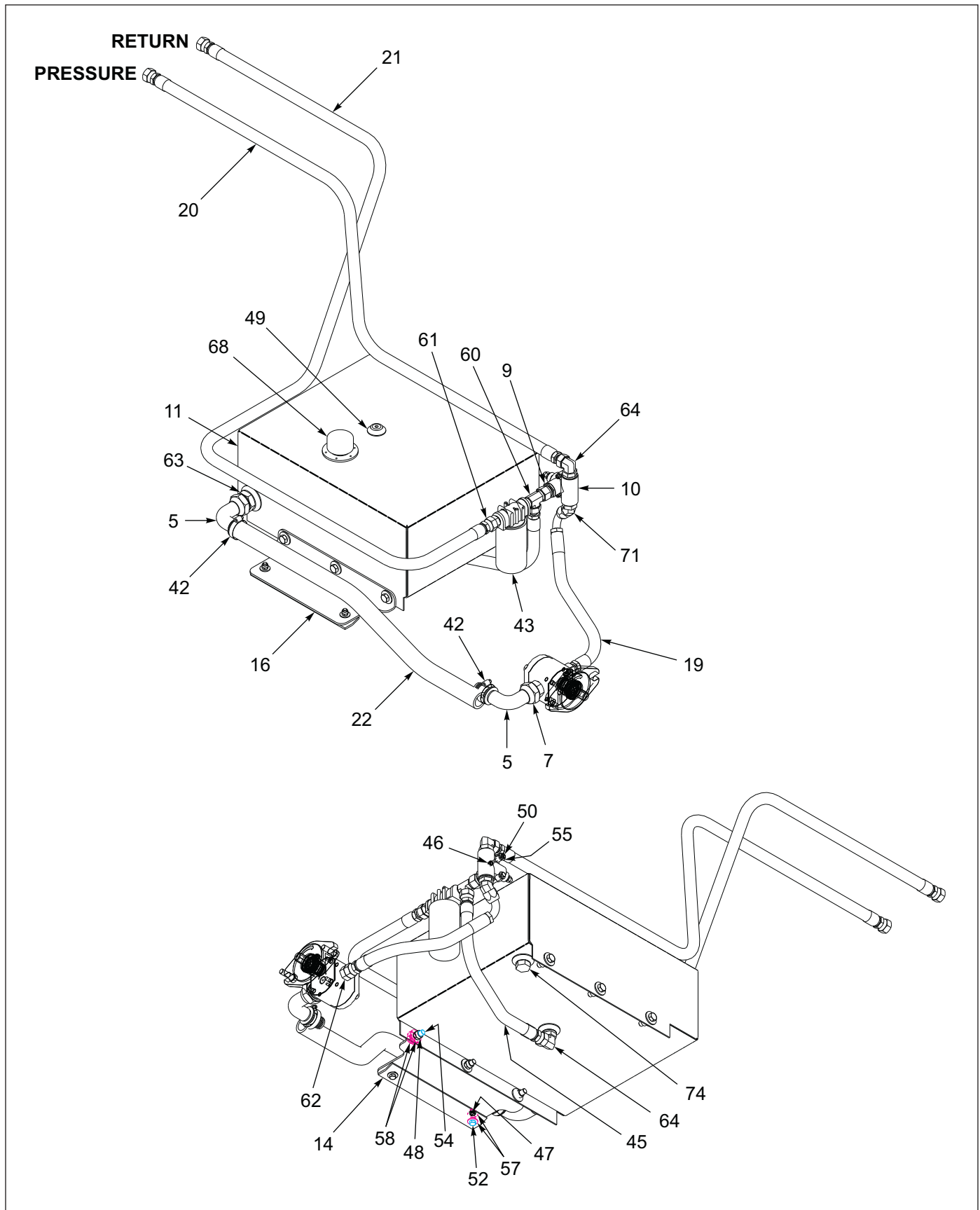


Figure 1-108: 25 HP Slope Package (4 of 4)

25 HP Slope Package

ITEM	PART NUMBER	DESCRIPTION	QTY.
	138160	ENG PKG 27HP 930B SLOPE	
1	110578	U-BOLT, 3/8-16 x 3-1/8 x 4-1/8	1
2	112248	NYLON SHOULDER WASHER	4
3	114814	LATCH FOLDING T LOCKABLE	1
4	115877	NUT HVY HEX 1/4-20 GR5	4
5	116330	FITTING 1.25F 37-1.25 BARB 90	2
6	119445	EXHAUST EXT WLDMT 25HP E/P	1
7	119553	CONNECTOR,O-RING/37FL,20-16	1
8	120659	ISOLATOR, KOHLER 25HP MOUNT	2
9	120660	ADAPTER #12-O/RFEM-12#FL M	1
10	120661	VALVE,HYD PRES,#12SAE,2500P	1
11	120662	HYD TANK WLDMT, 15G E/P	1
12	123014	PLATE, MOTOR FRONT, 25HP E/P	1
13	138114	BASE WLDMT ENG PKG 930B	1
14	138144	CLAMP ENG PKG 930B	3
15	138145	SHIELD ENG PKG 930B	1
16	138146	BRACKET TANK MOUNT 930B	1
17	138192	TRAY WLDMT GAS TANK 930 ENG	1
18	138206	MOUNT TRAY GAS TANK	2
19	138818	HOSE ASSY 3/4X24 SAE37 STR 90	1
20	139071	HOSE 3/4 X 72 SAE 37 STR-STR	1
21	139072	HOSE 3/4X105SAE 37 STR-STR	1
22	139073	HOSE 1-1/4ID X 33IN SUCTION	1
23	156171	DOOR GAS TANK TRAY	1
24	156173	SPACER 1/2" FUEL TANK TRAY	1
25	166766	CARBON CANISTER,FUEL TANK,GAS	1
26	169531	TANK,FUEL PLSTC,6 GAL,LOW PERM	1
27	169532	HOSE, FUEL,1/4 LOW PERM, CARB	3
28	170109	FITTING,1/4MPT TO MALE QD,FORC	1
29	170110	FITTING,5/16BARB TO FE QD,FORC	1
30	170111	FITTING,1/4MPT TO MALE QD,SUZU	1
31	170112	FITTING,5/16BARB TO FE QD,SUZU	1
32	173860	FITTING,1/4 HOSE BARBX1/4 FNPT	2
33	178428	SWITCH & HARNESS KIT KOHLER UD	1
34	178638	SPRING CLAMP, 1/2"OD FUEL HOSE	8
35	179090	SPRING CLAMP,7/16"OD FUEL HOSE	2
36	186811	PUMP HYDRAULIC GEAR 0.77CID	1
37	189308	ENGINE,KOHLER,25HP,EFI,PUMP	1
38	189309	DECAL,EFI ENG PKG INSTR	1
39	189310	DECAL, START, ENG PKG	1
40	189311	DECAL, THROTTLE, ENG PKG	1
41	1410792	OIL, ENGINE 10W-30 (NOT SHOWN)	.5
42	1-181-010046-7	CLAMP,HOSE 1-1/16 TO 2DIA #24	2
43	1-295-010001	FILTER, RETURN LINE	1
44	1-316-010013	HOSE,1/4 LOW PRESSURE FUEL	3
45	1-397-010304025	HOSE ASSY,3/4X25,SAE37,STR-ST	1
46	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
47	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	22

25 HP Slope Package

ITEM	PART NUMBER	DESCRIPTION	QTY.
48	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	6
49	1-560-010002-04	PLUG, PIPE, 1/2NPT	1
50	1-654-010047-09	SCREW,HX CP,1/4-20UNCX1-3/4G5	2
51	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	2
52	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	8
53	1-654-010051-09	SCREW,HEX CAP,3/8-16UNCX2 GR5	8
54	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	8
55	1-861-010032-07	WASHER,FLAT 1/4 ZP	6
56	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	4
57	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	36
58	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	12
59	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	4
60	102-0204	ADAPTER EXTERNALPIPE/37 FLARE	1
61	2021-12-12S	ADAPTER 3/4M PIPE X1-1/16MJIC	1
62	202702-12-12S	ADAPTER,#12 O-RING X #12 TUBE	1
63	202702-20-20S	ADAPTER #20 O-RING #20 TUBE	1
64	2062-12-12S	ADAPTER,90,#12 O-RINGX#12TUBE	2
65	2481X	BATTERY 12 VOLT	1
66	3-120-010124	BATTERY CLAMP BRKT	1
67	3-155-010012	CABLE THROTTLE	1
68	3-162-010001	FILLER BREATHER STRAINER ASSY	1
69	3-182-010028	CLAMP MUFFLER	1
70	3-316-010008	3/16 ID FUEL HOSE	3
71	40-0667-02	ELBOW,45,,ST-37 12-12	1
72	514-9045-26	CABLE ASSY BATTERY POSITIVE	1
73	514-9073-18	CABLE ASSY BATTERY NEG 18 LNG	1
74	900598-12S	PLUG, O-RING BOSS #12	1
75	210377	FUEL PUMP KOHLER (NOT SHOWN)	1
76	10109	DECAL, HYDRAULIC FLUID ONLY (NOT SHOWN)	REF
77	218046	DECAL, GASOLINE ONLY (NOT SHOWN)	REF

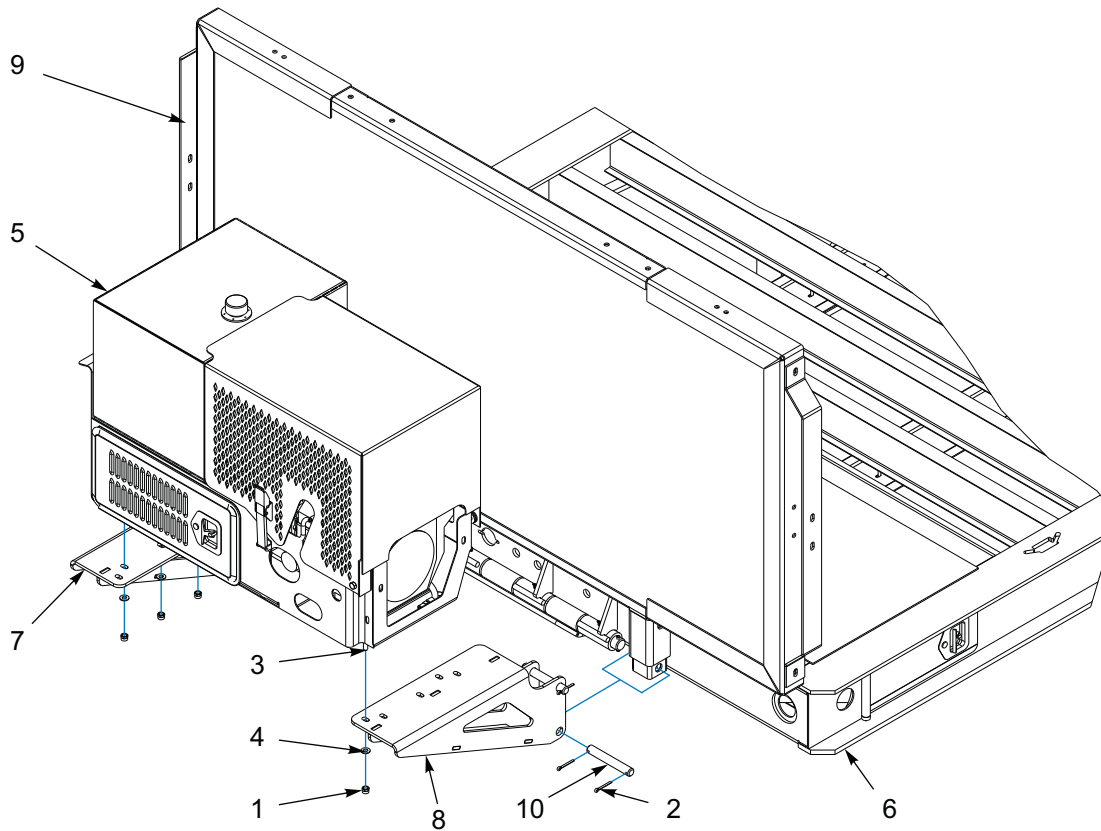


Figure 1-109: Front Mount Extension Package Installation

Front Mount Extension Package Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	147471	FRONT EXTENSION ENGINE PKG MOUNT INSTALLATION	
1	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	5
2	1-557-010362-63	PIN, COTTER 1/4 X 2	8
3	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	5
4	1-861-010032-14	WASHER, FLAT 1/2N	10
5	123166	ENGINE PKG 27 HP U/D (SEE PAGE 1-182)	REF
6	-----	FRAME ASSEMBLY, G/N	REF
7	147468	BRACKET WELDMENT, RH ENG MOUNT	1
8	147469	BRACKET WELDMENT, LH ENG MOUNT	1
9	3-141-010121-2	BULKHEAD INSTALLATION (SEE PAGE 1-156)	REF
10	3-557-010380	PIN, 1 X 6-7/8	4

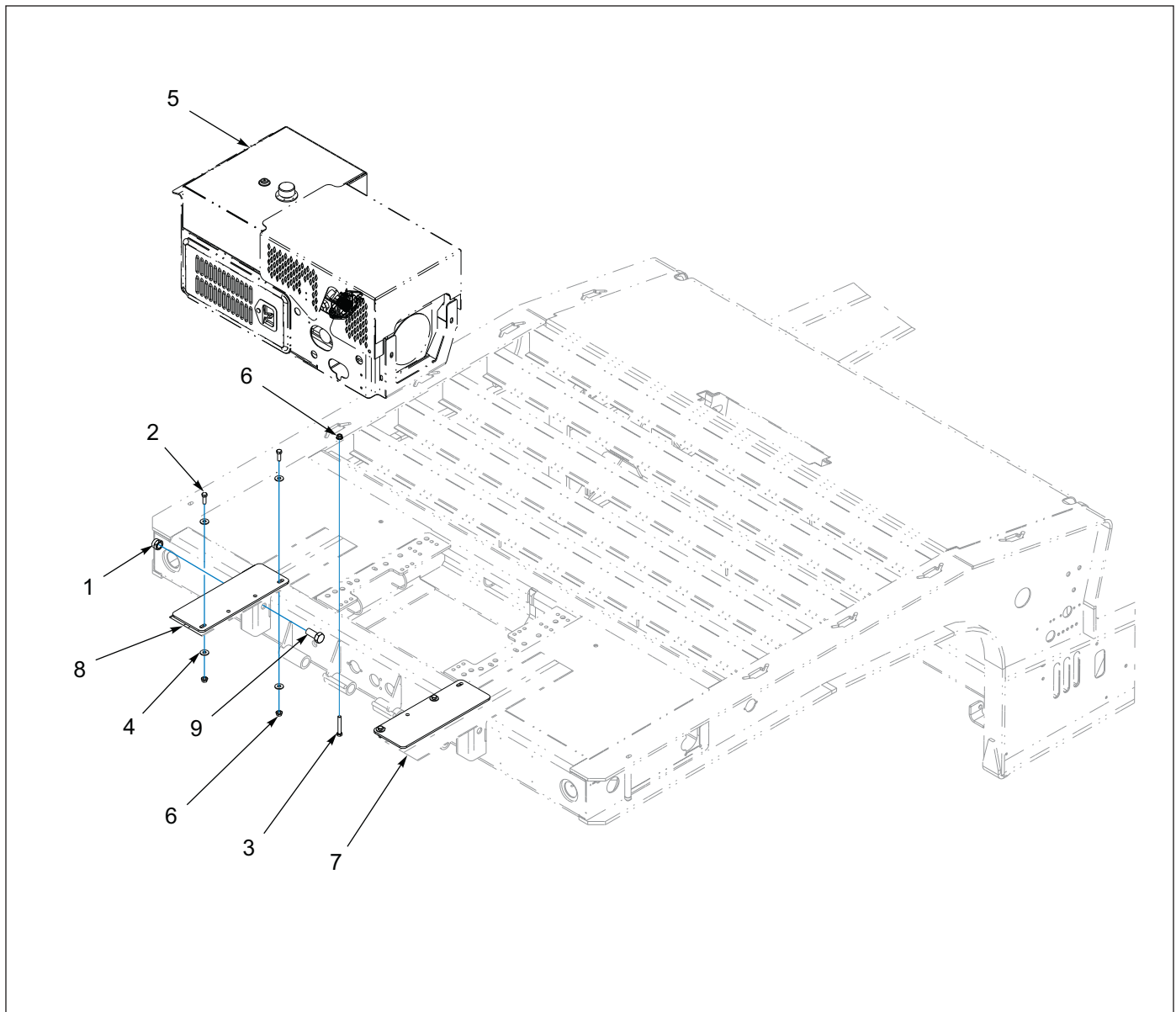


Figure 1-110: Front Mount Installation

Front Mount Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	136580	FRONT MOUNT ENGINE INSTALLATION	
1	1-512-010005-19	NUT, HEX LOCK 1-8 GRB	2
2	1-654-010055-02	SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5	4
3	1-654-010055-10	SCREW, HEX HEAD CAP 1/2-13 X 3-1/4 GR5	2
4	1-861-010032-15	WASHER, FLAT 1/2W	8
5	123166	ENGINE PACKAGE 27 HP U/D (SEE PAGE 1-182)	REF
6	124971	NUT, FLANGE HEAD SPIRALOCK 1/2-13	6
7	130662	GOOSENECK WELDMENT	REF
8	136581	MOUNT WELDMENT LH FRONT ENGINE PACKAGE	1
9	136582	MOUNT WELDMENT RH FRONT ENGINE PACKAGE	1
10	137943	SCREW, HEX HEAD CAP 1-8 X 2-1/4 GR5	2

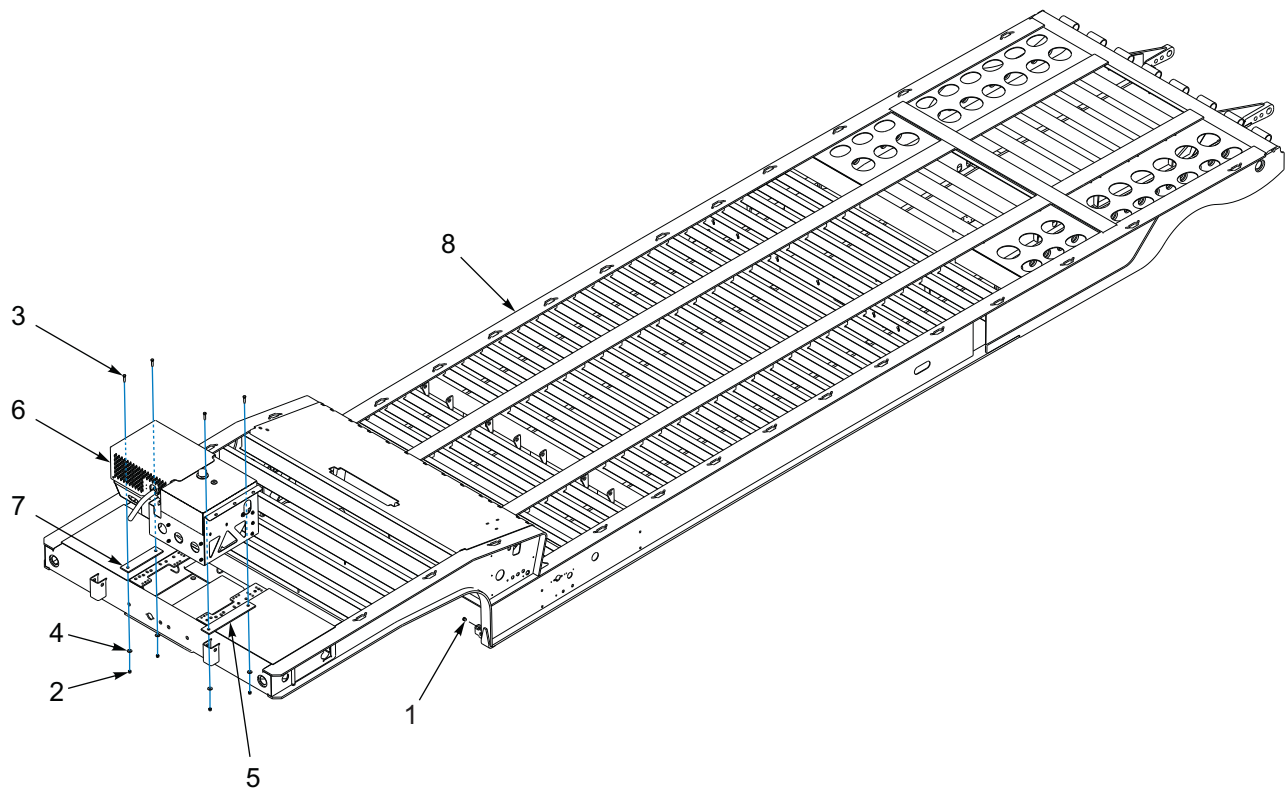


Figure 1-111: Mount Package W/O Winch

Mount Package W/O Winch

ITEM	PART NUMBER	DESCRIPTION	QTY.
	148949	ENGINE MOUNT PACKAGE W/O WINCH	
1	1-007-010025	PLUG, 3/4-16	2
2	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	4
3	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	4
4	1-861-010032-15	WASHER, FLAT 1/2W	4
5	120478	PLATE, U/D ENGINEMOUNT	1
6	123166	ENGINE PACKAGE, 27 HP U/D (SEE PAGE 1-182)	REF
7	124555	PLATE, U/D ENGINE MOUNT	1
8	-----	FRAME WELDMENT	REF

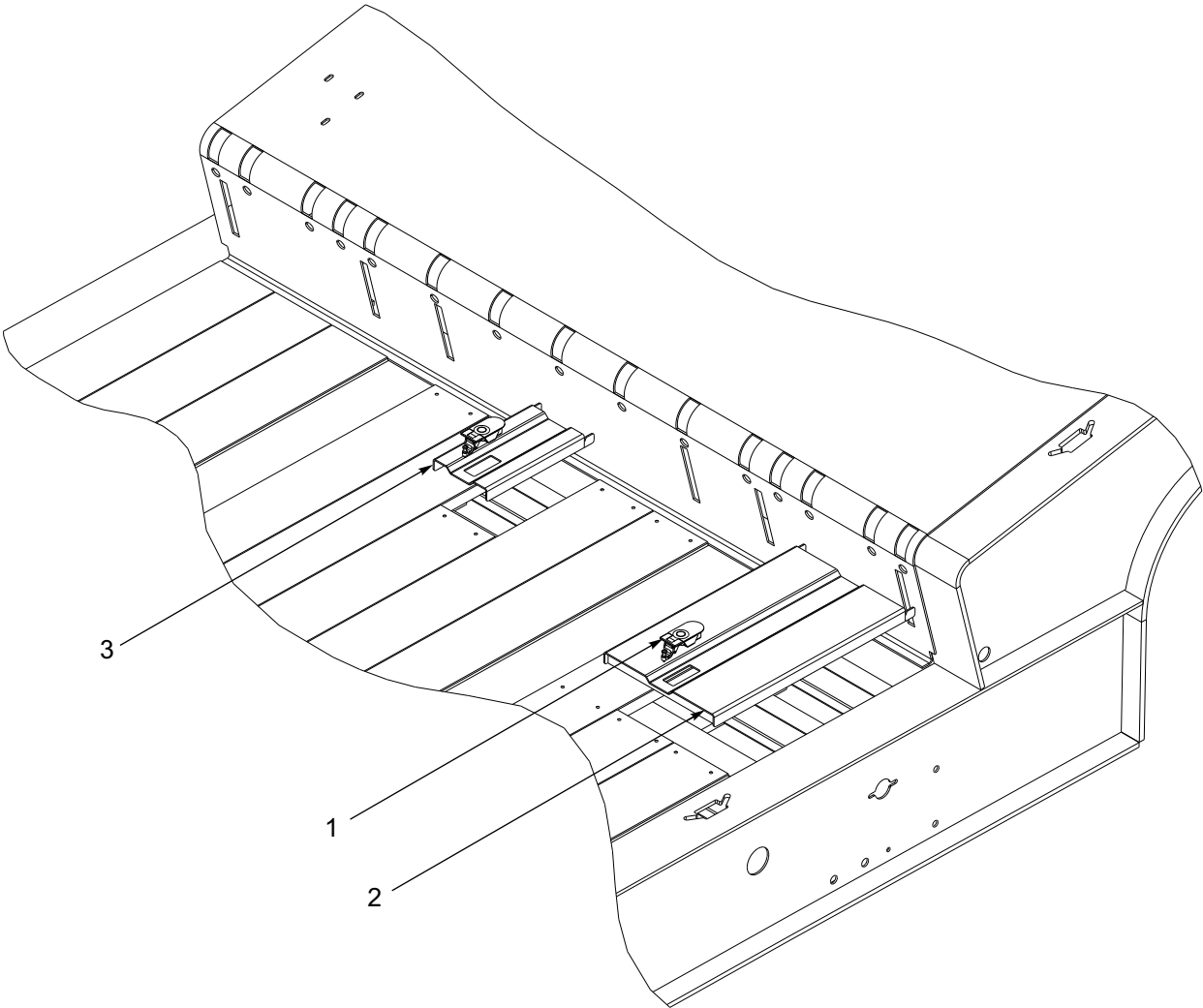


Figure 1-112: Slope Cover Installation (Used On Trailers W/O Ramp)

Slope Cover Installation (Used On Trailers W/O Ramp)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	140820	SLOPE ENGINE COVER INSTALLATION	
1	121526	LATCH, COMPRESSION	2
2	140821	COVER WELDMENT, ENGINE	1
3	140824	COVER, HYD TANK	1

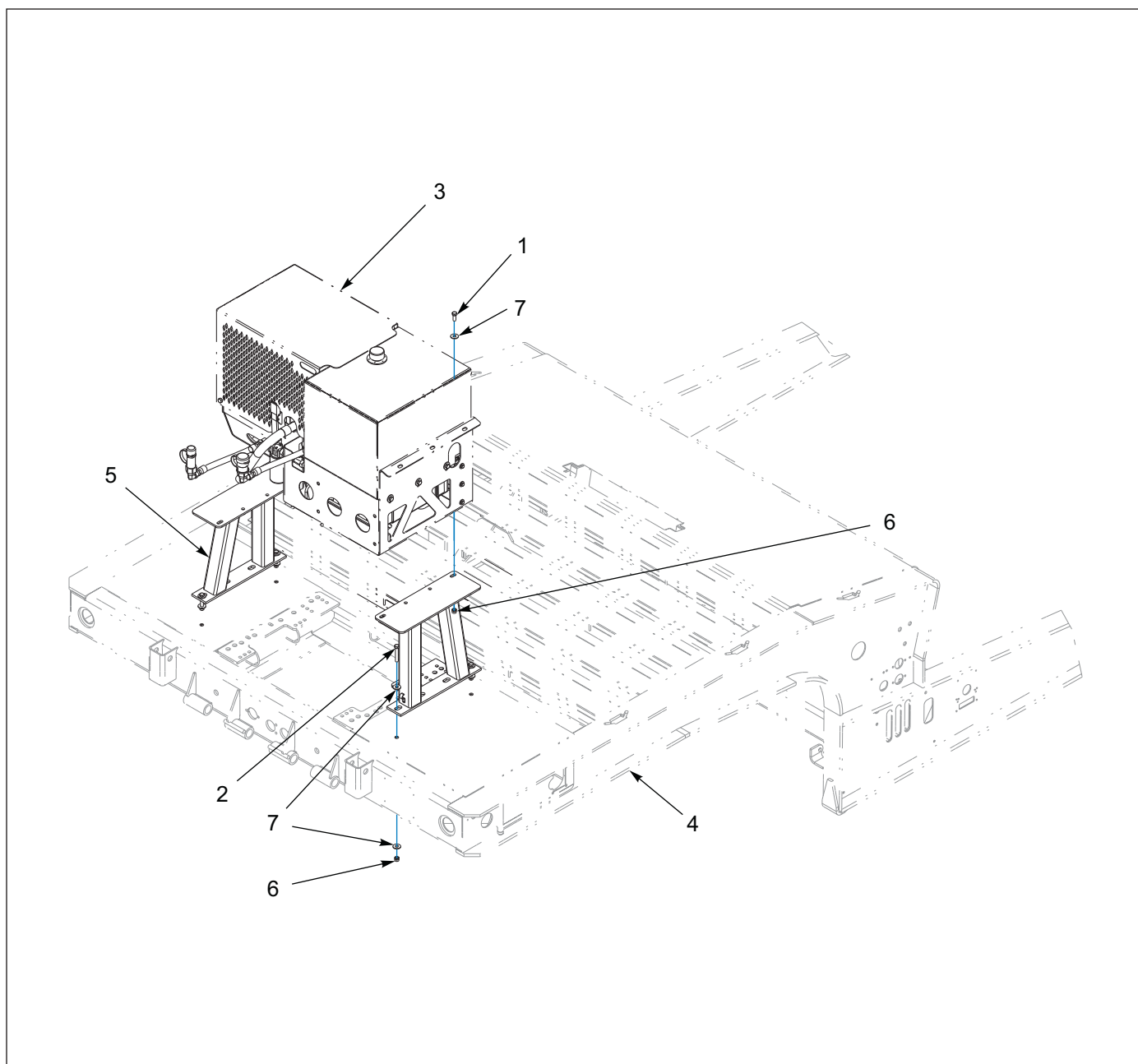


Figure 1-113: Upper Deck Stand Installation

Upper Deck Stand Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	136578	UPPER DECK STAND INSTALLATION	
1	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
2	1-654-010055-09	SCREW,HX CP,1/2-13UNCX3 GR5	4
3	123166	ENG PKG 27 HP U/D 317 (SEE PAGE 1-182)	REF
4	-----	UPPER DECK FRAME WELDMENT	REF
5	134857	MOUNT WLDMT ENG PKG 318-186	2
6	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
7	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	16

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System, Hydraulics

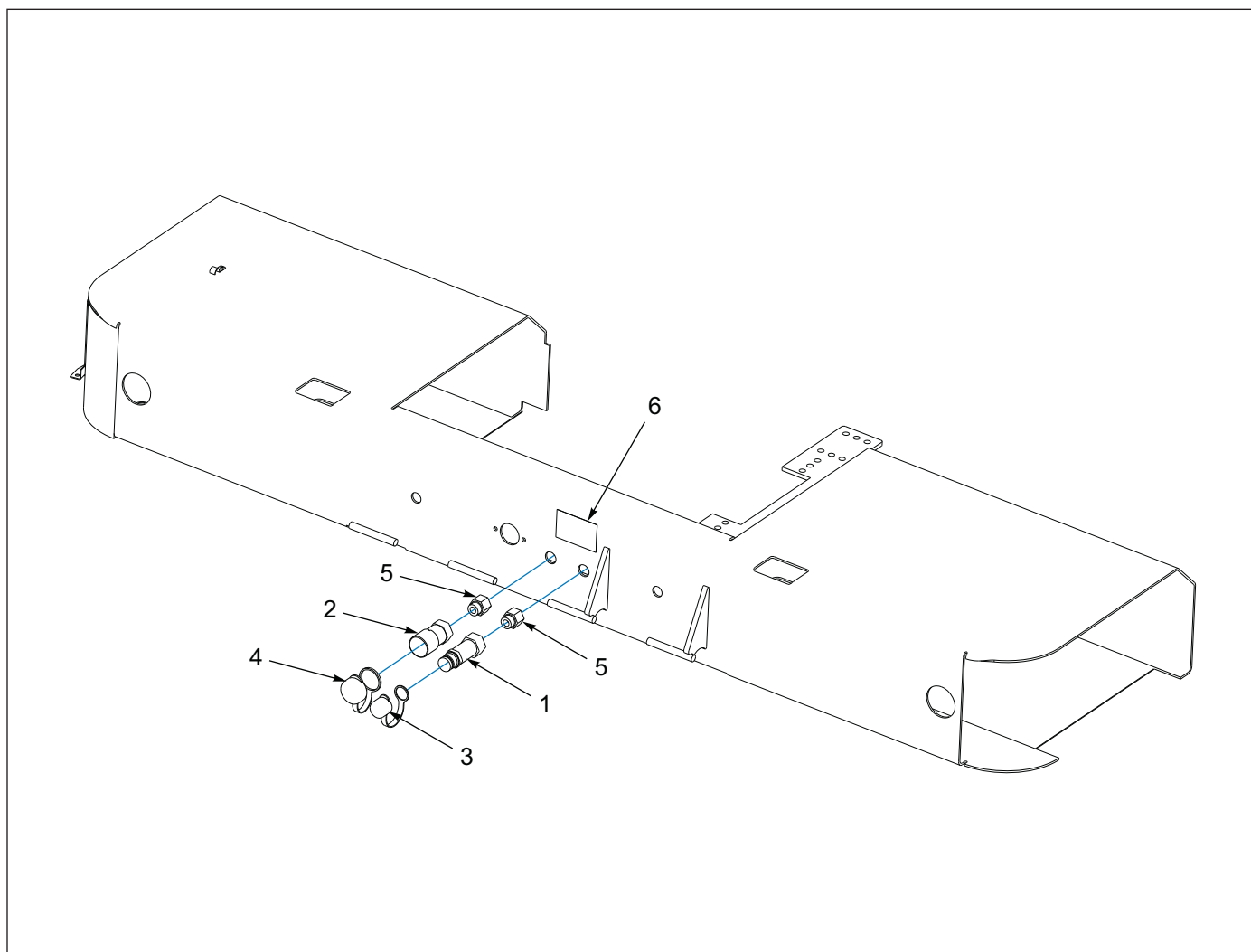


Figure 1-114: Hydraulic Conversion Kit - Ball to Flat

Hydraulic Conversion Kit - Ball to Flat

ITEM	PART NUMBER	DESCRIPTION	QTY.
	105902	HYDRAULIC CONVERSION KIT, BALL TO FLAT	
1	105479	COUPLER, FLAT FACE MALE NOSE	1
2	105480	COUPLER, FLAT FACE FEMALE BODY	1
3	105481	COUPLER, DUST CAP MALE	1
4	105482	COUPLER, DUST CAP FEMALE	1
5	2216-12-12S	INTERNAL PIPE O-RING BOSS	2
6	105822	DECAL, HYD COUPLER	1

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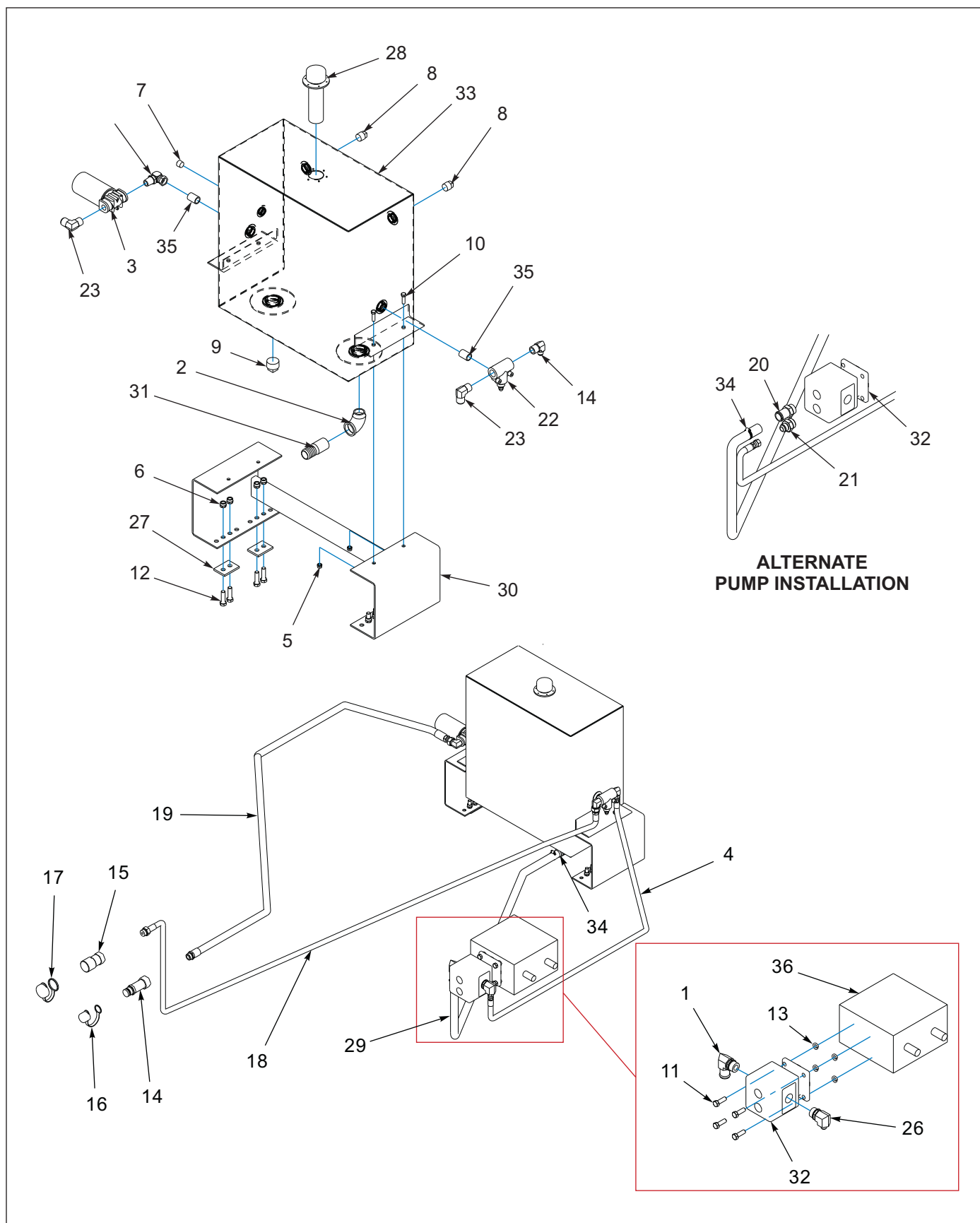


Figure 1-115: Hydraulic Wet Kit Items - 30 Gallon

Hydraulic Wet Kit Items - 30 Gallon

ITEM	PART NUMBER	DESCRIPTION	QTY.
	107498	HYDRAULIC WET KIT W/ PTO INSTALLED	
	107499	HYDRAULIC WET KIT W/ PTO NOT INSTALLED	
	107500	HYDRAULIC WET KIT W/O PTO NOT INSTALLED	
1	1-007-010006	ELBOW 90, 1-5/16 O-RING 1-1/4 HOSE	1
2	1-1/4ST ELL	BLACK PIPE ELBOW 90 ST	1
3	1-295-010001	FILTER, RETURN	1
3	1-295-010002	FILTER ELEMENT	1
4	1-397-010301100	HOSE ASSEMBLY 1/2 X 100	1
5	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	4
6	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	8
7	1-560-010002-04	PIPE PLUG 1/2	1
8	1-560-010002-05	PIPE PLUG 3/4	2
9	1-560-010002-07	PLUG, BLACK PIPE 1-1/4 SQ HEAD	1
10	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	4
11	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	4
12	1-654-010055-04	SCREW, HEX HEAD CAP 1/2-13 X 1-3/4 GR5	8
13	1-861-010034-13	WASHER, SPLIT LOCK 1/2	4
14	105479	COUPLER, FLAT FACE MALE NOSE	1
15	105480	COUPLER, FLAT FACE FEMALE BODY	1
16	105481	COUPLER, DUST CAP MALE	1
17	105482	COUPLER, DUST CAP FEMALE	1
18	106759	HOSE ASSEMBLY 1/2 X 164	1
19	106760	HOSE ASSEMBLY 3/4 X 164	1
20	107513	ADAPTER	1
21	12-16 070120	ADAPTER	1
22	125130	RD12D HYD BY PASS SRDD	1
23	2024-12-12S	ADAPTER 90	2
24	2024-12-8S	ADAPTER, 90	1
25	2047-12-12S	ELBOW, 90 SWIVEL	1
26	2062-16-8S	ADAPTER, 90	1
27	3-120-010461	BRACKET, HYD TANK MOUNT SUPPORT	4
28	3-162-010001	FILLER-BREATHES-STRAINER ASSEMBLY	1
29	3-399-010001	HOSE, 1-1/4 SUCTION	8'
30	3-482-010503	TANK MOUNT	1
31	3-561-010001	HOSE BARB 1-1/4	1
32	3-591-010001	HYDRAULIC GEAR PUMP	1
33	3-786-010043	TANK, HYDRAULIC	1
34	6828	IDEAL HOSE CLAMP	2
35	C3069X12	NIPPLE, HEX	2
36	PTO	POWER TAKE OFF	REF

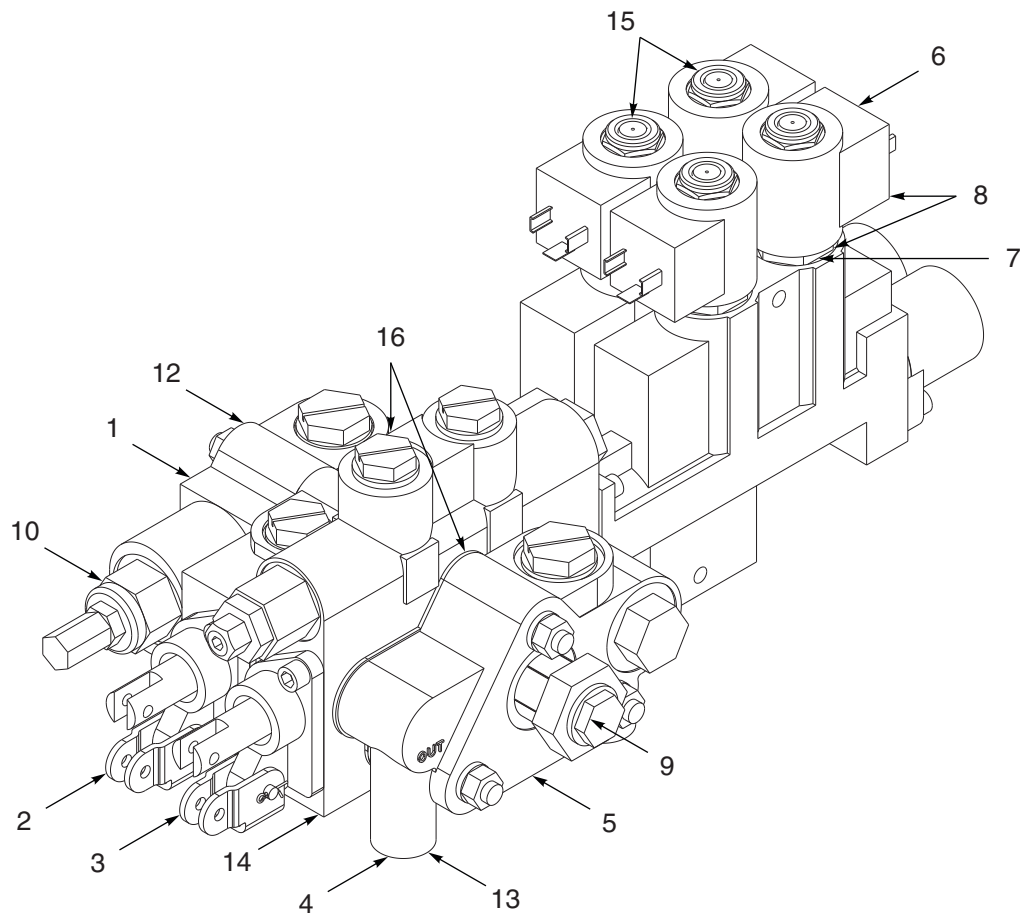


Figure 1-116: Valve, 2 Stack Solenoid

Valve, 2 Stack Solenoid

ITEM	PART NUMBER	DESCRIPTION	QTY
	114538	VALVE 2 STACK SOL	--
1	120751	VALVE SECTION (PDC)SV-125	1
2	143161	VALVE SECTION SVW-S303	2
3	143162	VALVE SECTION SVA-S304	1
4	142483	OUTLET SECTION SVA-S305	1
5	-----	TIEROD KIT	--
6	142484	COIL HF	6
7	142485	CARTRIDGE HF	6
8	142486	COIL/CARTRG ASSY HF (INCLUDES ITEMS 5 & 6)	-
9	-----	CARTRIDGE	--
10	-----	CARTRIDGE RELIEF 2500PSI	--
11	114553	SEAL KIT, PRINCE VALVE (INCLUDES ITEMS 12-15)	--
12	660580002	SEAL KIT, INLET,STACK VALVE	1
13	660580003	SEAL KIT,OUTLET,STACK VALVE	1
14	660580004	SEAL KIT VALVE PRINCE STACK	1
15	660580005	KIT O-RING COMPLETE SOLENOID	3
16	660585006	SEAL KIT PILOT BTW SECTIONS	4

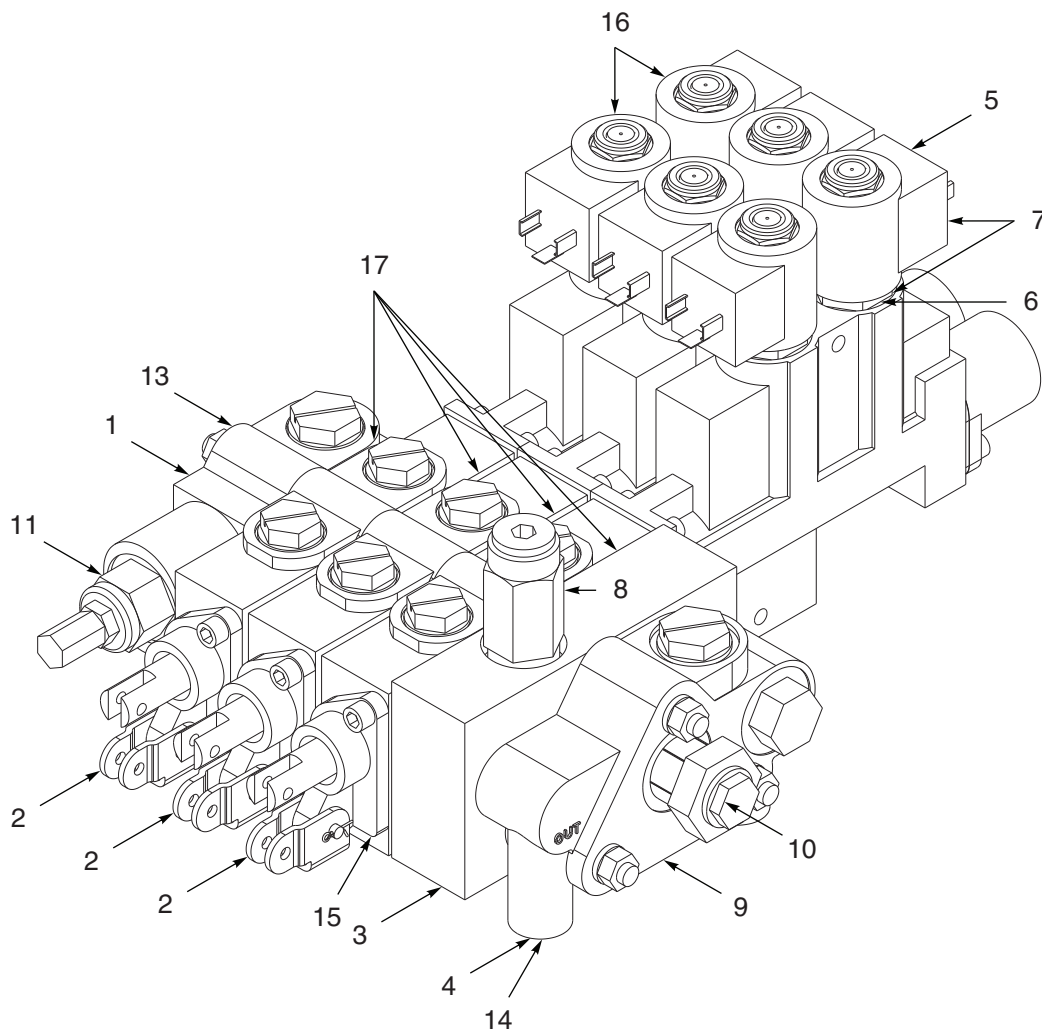


Figure 1-117: Valve, 3 Stack Solenoid

Valve, 3 Stack Solenoid

ITEM	PART NUMBER	DESCRIPTION	QTY
	148239	VALVE 3 STACK SOLENOID	--
1	149526	INLET SECTION SVA-S328	1
2	149527	VALVE SECTION SVA-S329	3
3	149529	UTILITY VALVE SECTION SVA-S327	1
4	142483	OUTLET SECTION SVA-S305	1
5	142484	COIL HF	6
6	142485	CARTRIDGE HF	6
7	142486	COIL/CARTRG ASSY HF (INCLUDES ITEMS 5 & 6)	-
8	149030	CARTRIDGE PRESSURE REDUCING	1
9	149530	TIEROD KIT	1
10	151823	CARTRIDGE	1
11	182089	CARTRIDGE RELIEF 2500PSI	1
12	114553	SEAL KIT, PRINCE VALVE (INCLUDES ITEMS 13-17)	--
13	660580002	SEAL KIT, INLET,STACK VALVE	1
14	660580003	SEAL KIT,OUTLET,STACK VALVE	1
15	660580004	SEAL KIT VALVE PRINCE STACK	1
16	660580005	KIT O-RING COMPLETE SOLENOID	3
17	660585006	SEAL KIT PILOT BTW SECTIONS	4

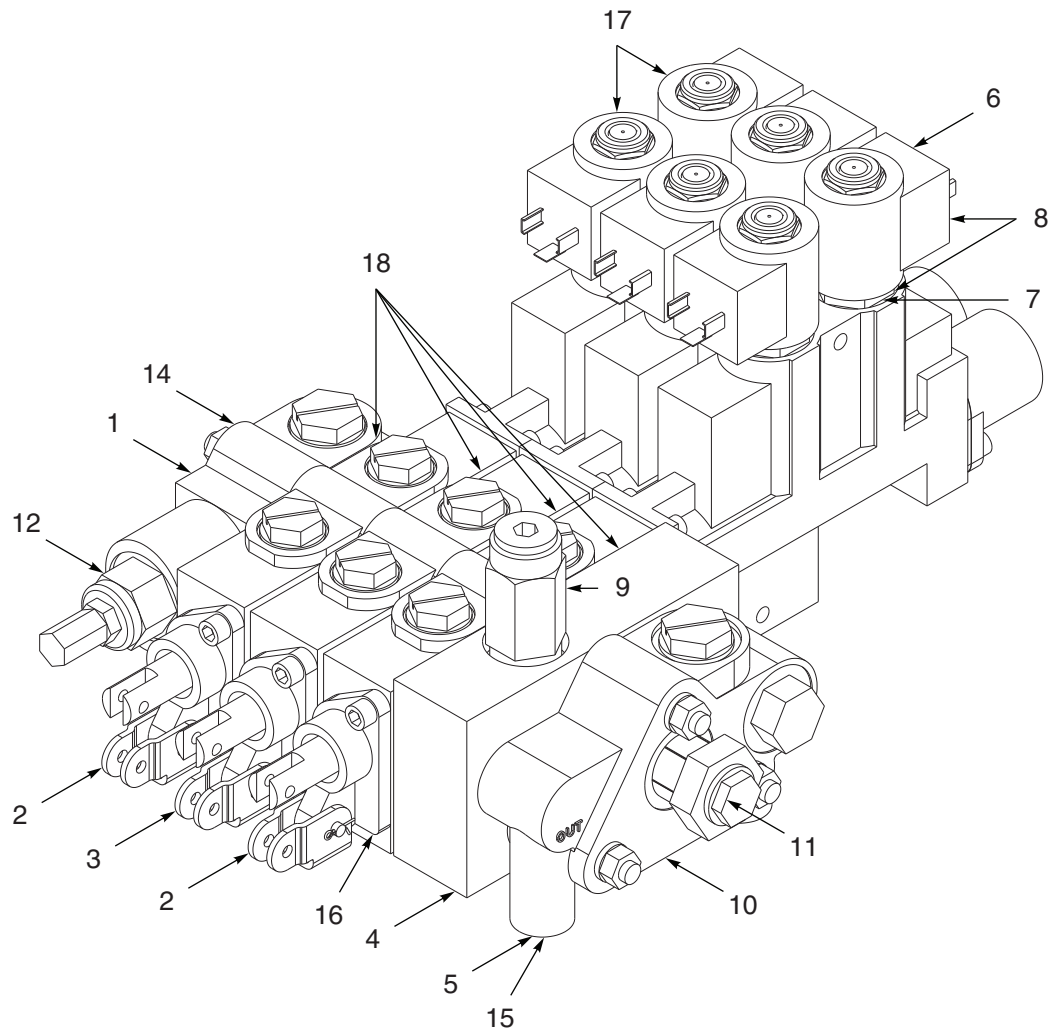


Figure 1-118: Valve, 3 Stack Solenoid 2nd Mtr-148240

Valve, 3 Stack Solenoid 2nd MTR

ITEM	PART NUMBER	DESCRIPTION	QTY
	148240	VALVE 3 STACK 2ND MTR SOL	--
1	149526	INLET SECTION SVA-S328	1
2	149527	VALVE SECTION SVA-S329	2
3	149528	VALVE SECTION SVA-S330	1
4	149529	UTILITY VALVE SECTION SVA-S327	1
5	142483	OUTLET SECTION SVA-S305	1
6	142484	COIL HF	6
7	142485	CARTRIDGE HF	6
8	142486	COIL/CARTRG ASSY HF (INCLUDES ITEMS 5 & 6)	-
9	149030	CARTRIDGE PRESSURE REDUCING	1
10	149530	TIEROD KIT	1
11	151823	CARTRIDGE	1
12	182089	CARTRIDGE RELIEF 2500PSI	1
13	114553	SEAL KIT, PRINCE VALVE (INCLUDES ITEMS 14-18)	--
14	660580002	SEAL KIT, INLET,STACK VALVE	1
15	660580003	SEAL KIT,OUTLET,STACK VALVE	1
16	660580004	SEAL KIT VALVE PRINCE STACK	1
17	660580005	KIT O-RING COMPLETE SOLENOID	3
18	660585006	SEAL KIT PILOT BTW SECTIONS	4

Lights - Options

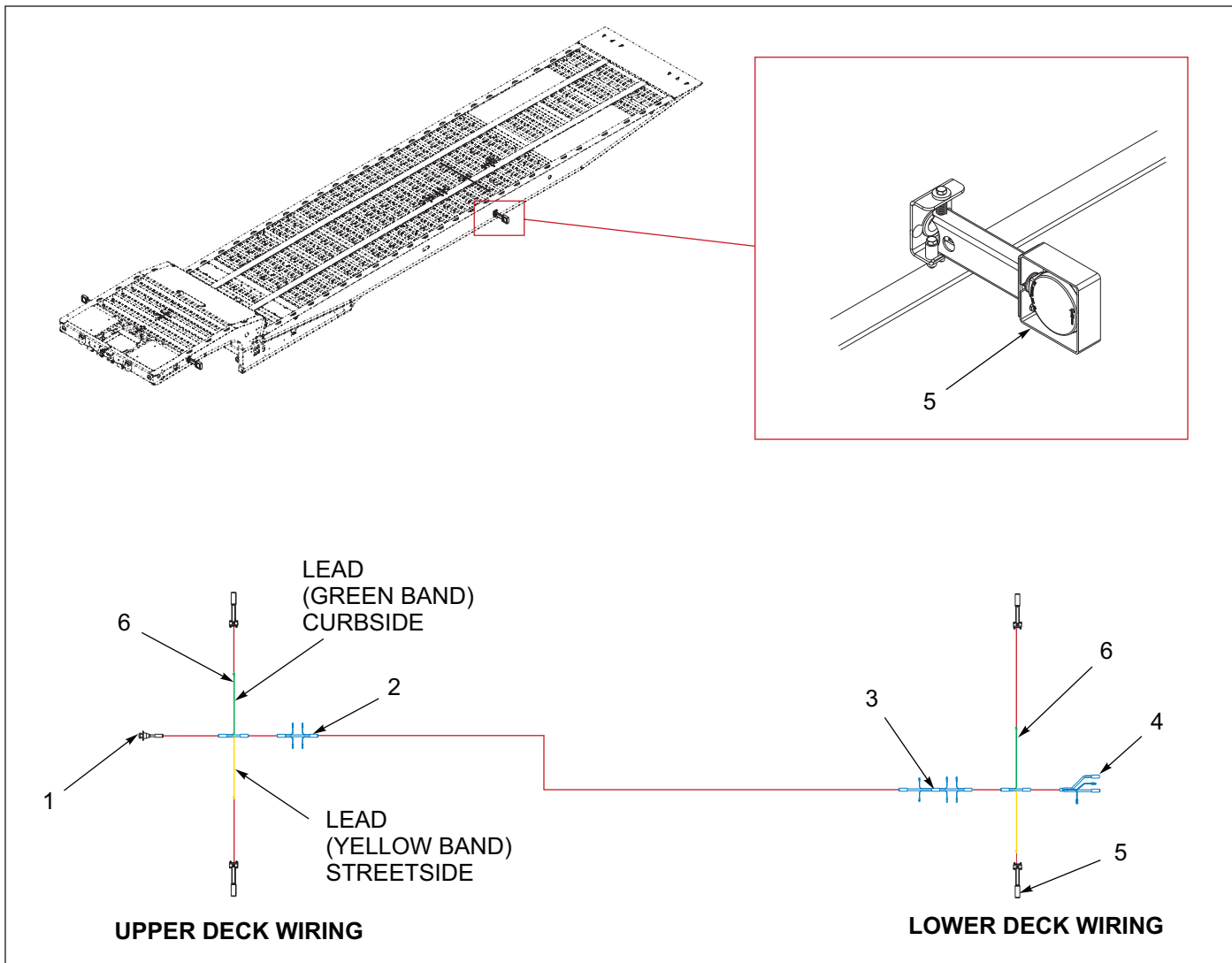


Figure 1-119: Swingout Light Installation

Swingout Light Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.		
	179085	INSTL, SWING-OUT LTS, UPR & LWR DK	*		
	179088	INSTL, SWING-OUT LTS, UPR DK	*		
	179089	INSTL, SWING-OUT LTS, LWR DK	*		
1	143100	HARNESS 7WAY RECP GROTE	REF	REF	REF
2	143101	HARNESS FRONT MAIN GROTE	REF	REF	REF
3	143102	HARNESS BED MAIN GROTE	REF	REF	REF
4	143103	HARNESS ECHAIN GROTE	REF	REF	REF
5	176420	LIGHT ASSY SWING-ARM (SEE PAGE 1-211)	4	2	2
6	176432	HARNESS, JUMPER, EMERGENCY FLA	2	1	1
7	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 (NOT SHOWN)	REF	REF	REF

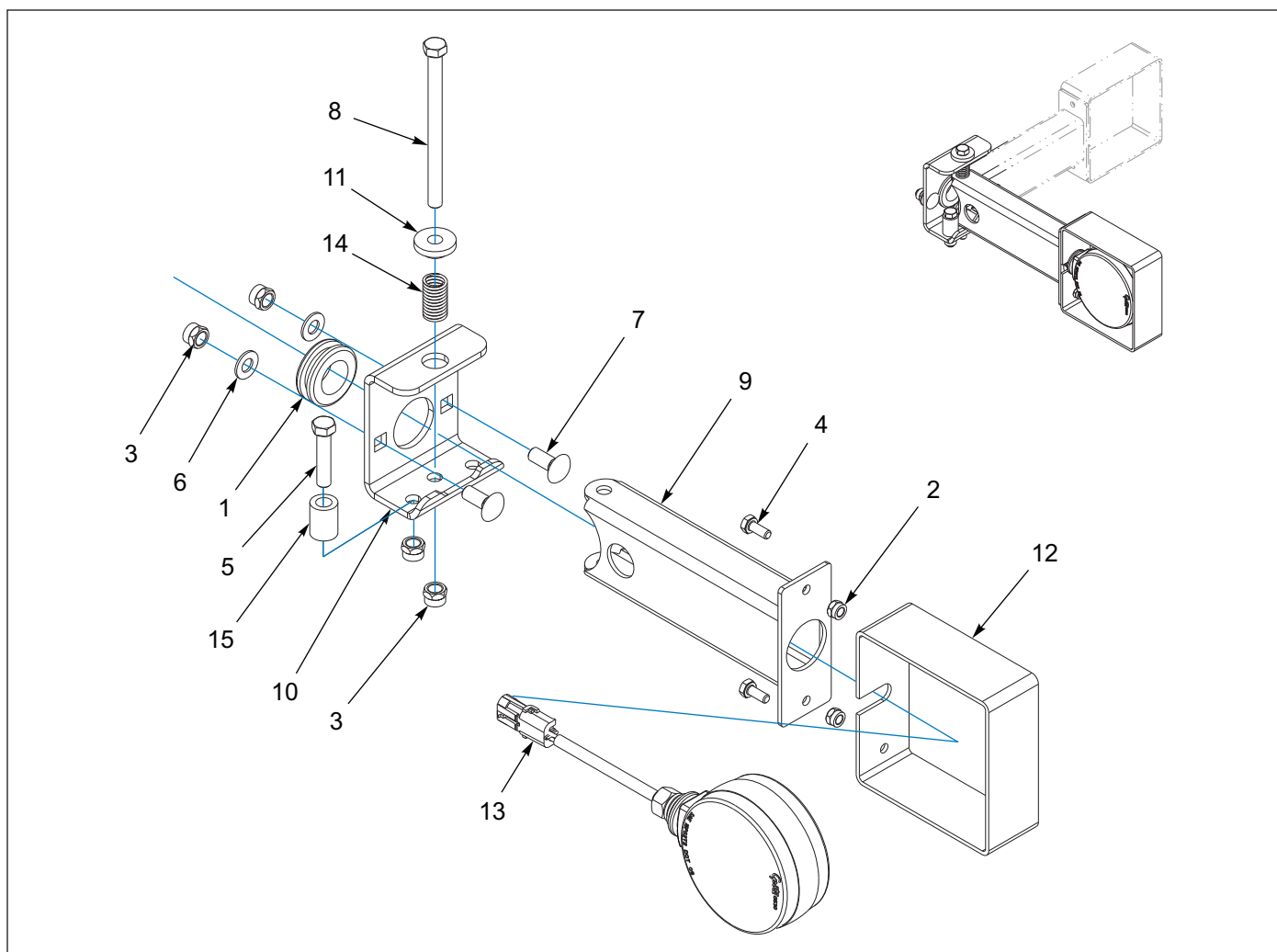


Figure 1-120: Swing-Arm Light Assembly - Turn Signal/Emergency Flasher

Swing-Arm Light Assembly - Turn Signal/Emergency Flasher

ITEM	PART NUMBER	DESCRIPTION	QTY.
	176420	SWING ARM LIGHT ASSEMBLY	
1	1-343-010007	GROMMET	1
2	1-512-010005-01	NUT, HEX LOCK 1/4-20 GRB	2
3	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	4
4	1-654-010047-03	SCREW, HEX HEAD CAP 1/4-20 X 5/8 GR5	2
5	1-654-010051-08	SCREW, HEX HEAD CAP 3/8-16 X 1-3/4 GR5	1
6	1-861-010032-10	WASHER, FLAT 3/8N	2
7	111276	SCREW, RD HEAD SQ NECK 3/8-16 X 1 GR5	2
8	172882	SCREW, HEX HEAD CAP 3/8-16 X 5 GR5	1
9	176421	LIGHT SWING-ARM WELDMENT	1
10	176424	BRACKET MOUNTING, SWING-ARM LIGHT	1
11	176425	WASHER, STEP	1
12	176440	MOUNT/GUARD, PEDESTAL LIGHT	1
13	178384	LIGHT, YELLOW LED 4" DOUBLE FACE	1
14	178389	SPRING, COMPRESSION SWING-ARM LIGHT	1
15	2-150-010240	BUSHING, STOP SPRAY SHIELD	1

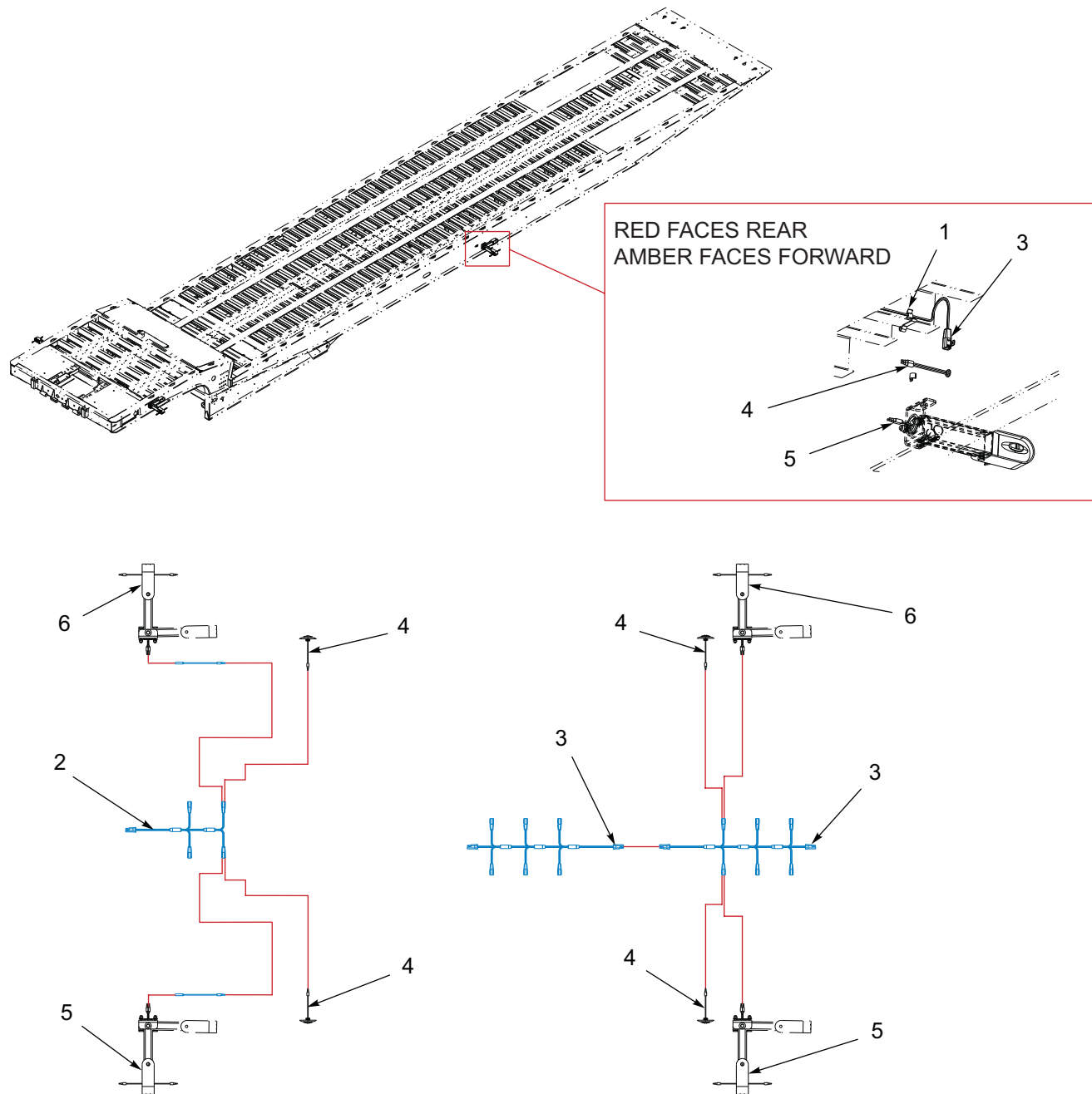


Figure 1-121: Swingout Marker Light Installation - Red/Amber

Swingout Marker Light Installation - Red/Amber

ITEM	PART NUMBER	DESCRIPTION	QTY.		
	191557	INSTL,SWING-OUT MARKER LIGHT, LWR DK	*		
	191558	INSTL, SWING-OUT MARKER LIGHT, UPR DK	*		
	191559	INSTL, SWING-OUT MARKER LIGHT, LWR DK & UPR DK	*		
1	186901	GOOSENECK WLDMT, US 400	REF	REF	REF
2	187833	CLIP HARNESS, CROSS-MEMBER	REF	REF	REF
3	187855	HARNESS MARKER UPR DECK	REF	REF	REF
4	187856	HARNESS MARKER MID DECK	REF	REF	REF
5	213297	LIGHT YEL LED.75CL/MK CLEAR CB	REF	REF	REF
6	189015	FRAME WLDMT 440A-53-102	REF	REF	REF
7	191555	LIGHT ASSY,SWING-ARM MKR,STREET(SEE PAGE 1-214)	1	1	2
8	191556	LIGHT ASSY,SWING-ARM MKR,CURB (SEE PAGE 1-215)	1	1	2
9	191569	HARNESS MARKER LAMP MICRONOVA	--	2	2

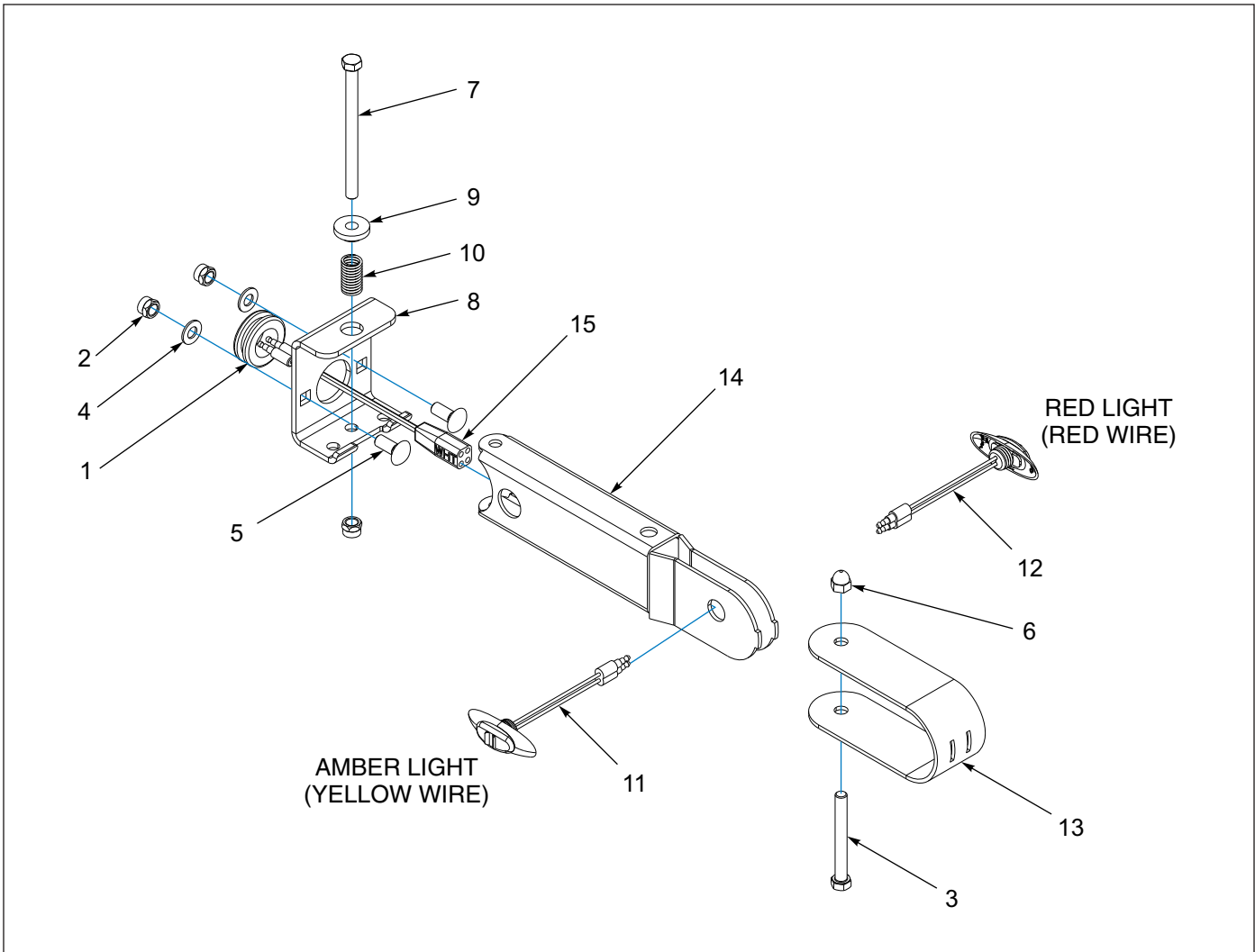


Figure 1-122: Swing-Arm Light Assembly - STREET

Swing-Arm Marker Light Assembly - STREET

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191555	LIGHT ASSY, SWING-ARM MKR, ST	
1	1-343-010007	GROMMET	1
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
3	1-654-010051-14	SCREW HX CP 3/8-16UNCX3-1/4G5	1
4	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	2
5	111276	SCREW RDHD SQNK 3/8-16X1 GR5	2
6	122154	NUT, HEX ACORN 3/8-16ZP	1
7	172882	SCREW HX CP 3/8-16UNCX5 GR5	1
8	176424	BRACKET MTG SWING-ARM LIGHT	1
9	176425	WASHER STEP	1
10	178389	SPRING, COMPRESSION SWINGARM	1
11	213297	LIGHT YEL LED.75CL/MK CLEAR CB	1
12	213298	LIGHT RED LED.75CL/MK CLEAR CB	1
13	191552	GUARD SWING-OUT LIGHT	1
14	191554	SWING-ARM WLDMT MARKER LIGHT	1
15	191568	HARNESS MARKER LAMP MICRONOVA	1

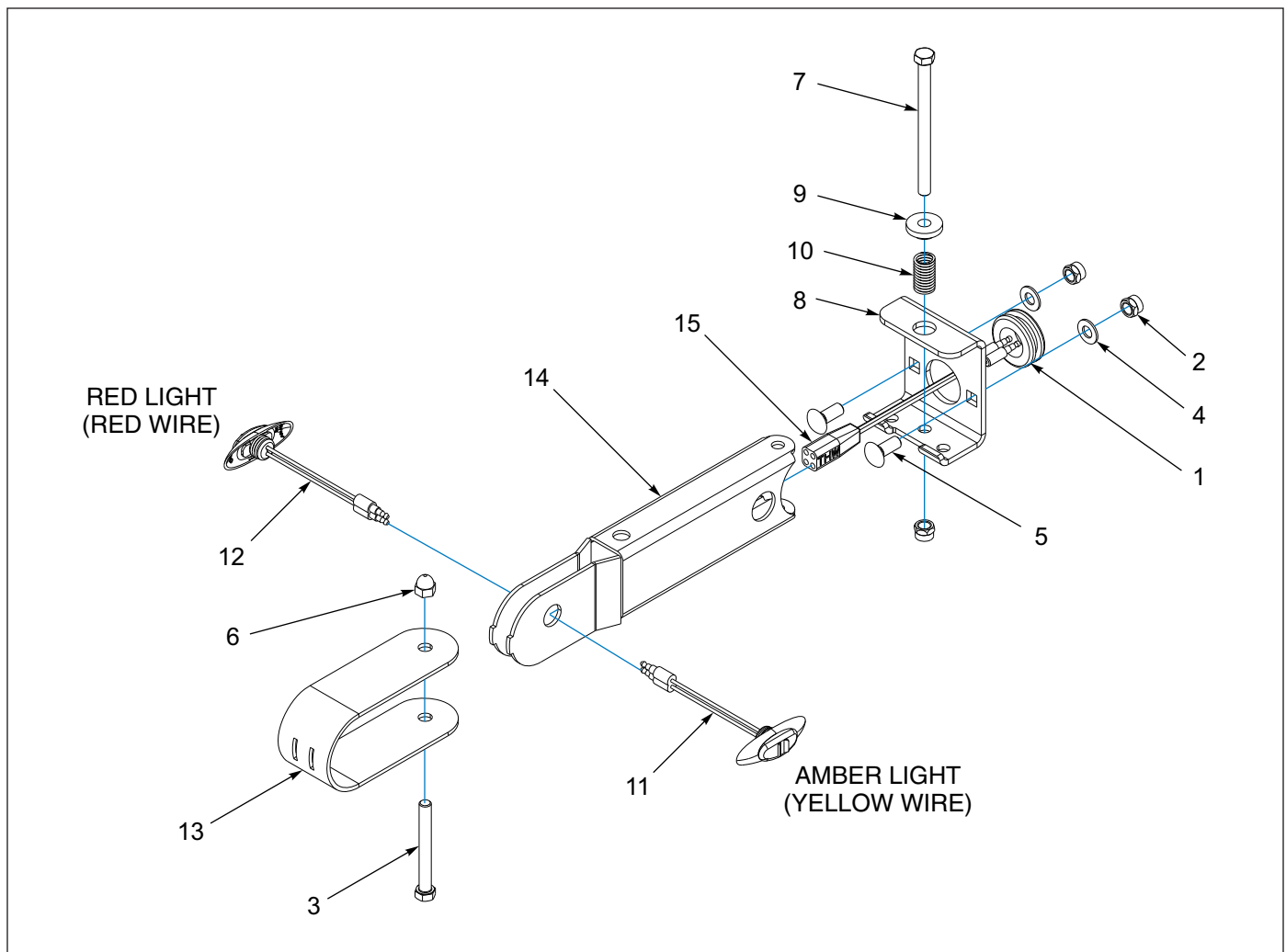


Figure 1-123: Swing-Arm Light Assembly - CURB

Swing-Arm Marker Light Assembly - CURB

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191556	LIGHT ASSY,SWING-ARM MKR,CURB	
1	1-343-010007	GROMMET	1
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
3	1-654-010051-14	SCREW HX CP 3/8-16UNCX3-1/4G5	1
4	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	2
5	111276	SCREW RDHD SQNK 3/8-16X1 GR5	2
6	122154	NUT, HEX ACORN 3/8-16ZP	1
7	172882	SCREW HX CP 3/8-16UNCX5 GR5	1
8	176424	BRACKET MTG SWING-ARM LIGHT	1
9	176425	WASHER STEP	1
10	178389	SPRING, COMPRESSION SWINGARM	1
11	213297	LIGHT YEL LED.75CL/MK CLEAR CB	1
12	213298	LIGHT RED LED.75CL/MK CLEAR CB	1
13	191552	GUARD SWING-OUT LIGHT	1
14	191554	SWING-ARM WLDMT MARKER LIGHT	1
15	191568	HARNESS MARKER LAMP MICRONOVA	1

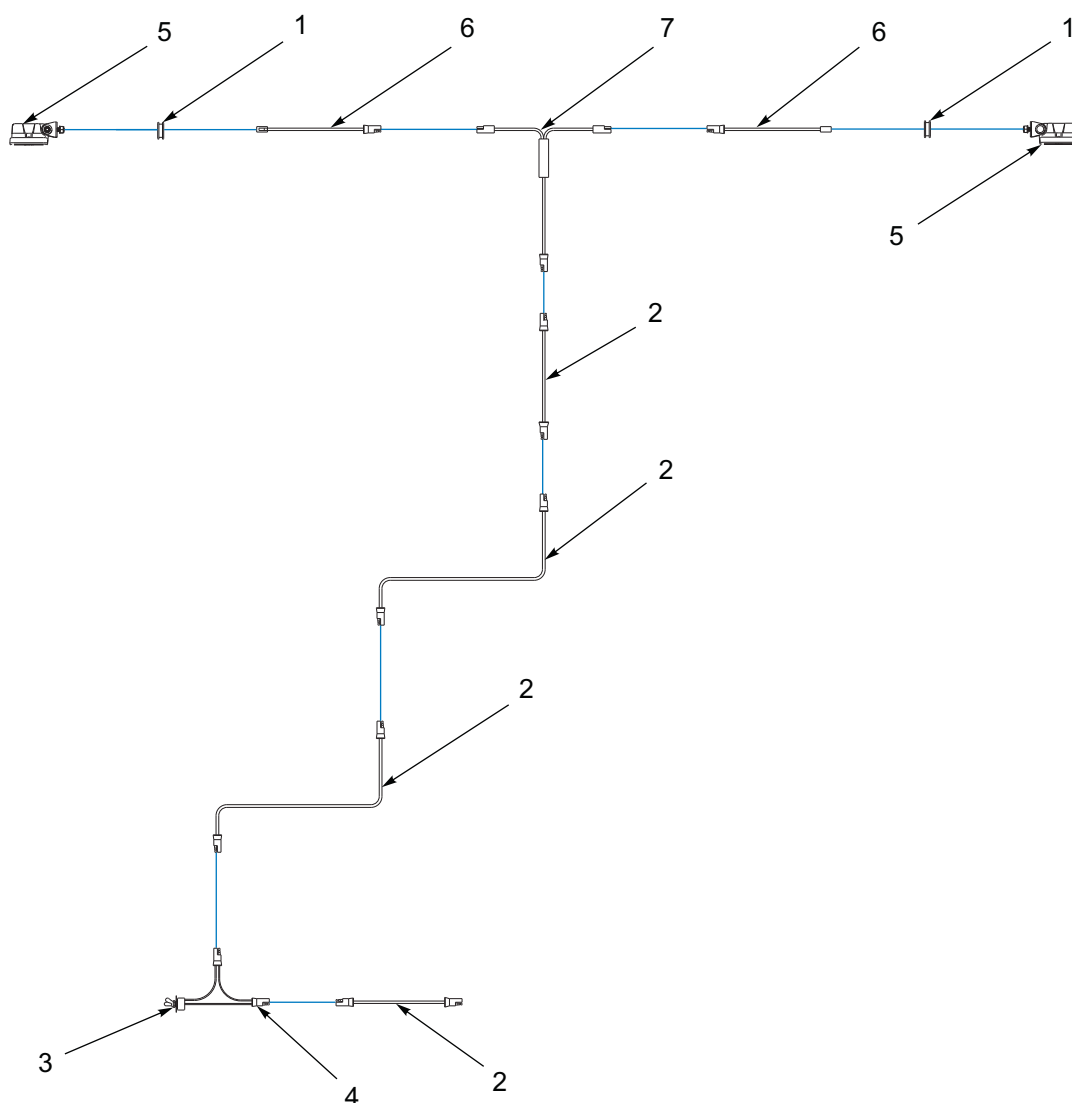


Figure 1-124: Winch Work Lights-191833

Winch Work Lights

ITEM	PART NUMBER	DESCRIPTION	QTY
--	191833	LIGHT INSTYL WORK WINCH	--
1	1-343-010011	GROMMET 3/8	2
2	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	4
3	81264	RUBBER BOOT FOR ELECT SWITCH	1
4	150117	SWITCH ASSY LIGHT GROTE	1
5	163996	LIGHT,12V SQUARE LED FLOOD	2
6	164052	HARNESS,60"BRANCH,WORK LIGHT	2
7	169853	HARNESS T PWR BRANCH	1

[illegible]

Ramps - Options

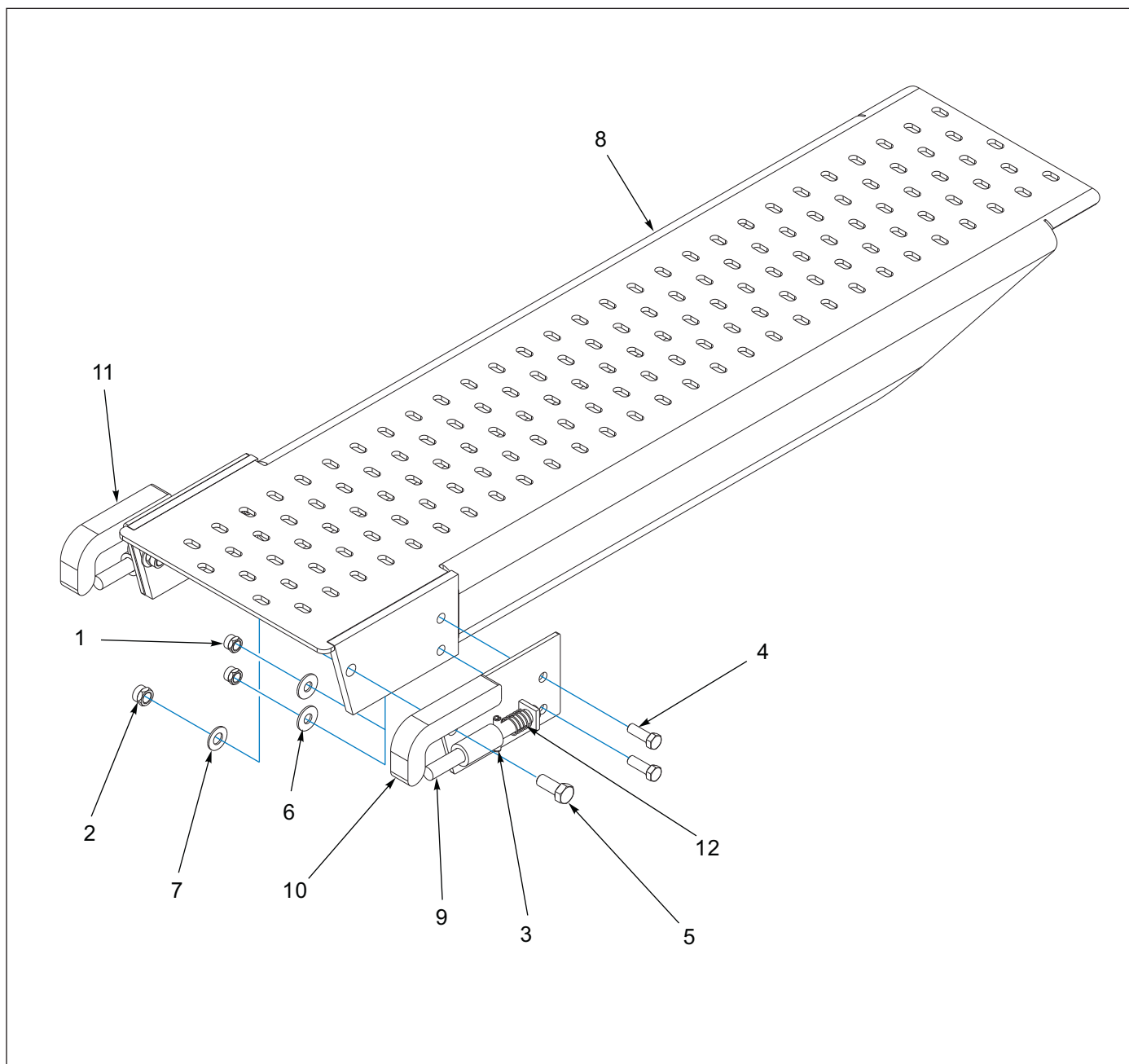


Figure 1-125: Front Slope

Front Slope

ITEM	PART NUMBER	DESCRIPTION	QTY.
	183670	RAMP ASSEMBLY, FRONT SLOPE 930	
1	1-512-010005-09	NUT, HEX SLFLKG, 1/2-13 UNC, GRB	6
2	1-654-010070-03	SCREW, RDH SQ NK, 1/2-13 X 1-1/2	6
3	1-861-010032-15	WASHER, FLAT ZP/CD, 1/2W	6
4	108962	RAMP, ALUM 930 ASSY	REF
5	183665	WLDMT, RAMP BRACKET 900	2

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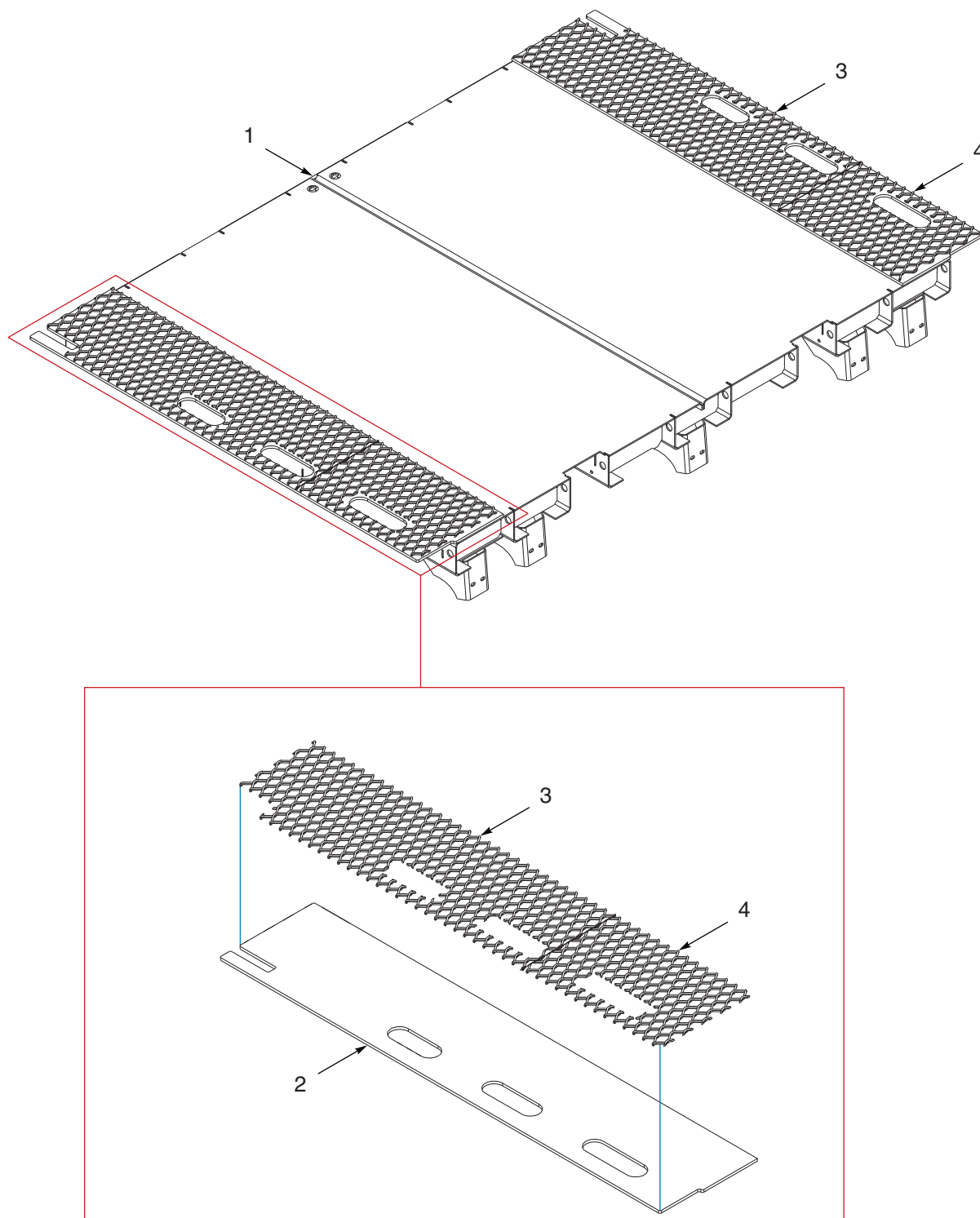


Figure 1-126: Ramp Assembly, Extension, Tread (BEFORE 05/13/2020)

Ramp Assembly, Extension, Tread (BEFORE 05/13/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY
--	181546	RAMP WLDMT MOD 6' 900 (BEFORE 05/13/2020) (REPLACE BY 213999)	--
1	139464	RAMP WLDMT 6FT 930B D/D	1
2	181547	PLATE WIDTH EXT 6' RAMP	2
3	181548	EXP MTL,WIDTH EXT 6 RMP STREET	2
4	182459	EXP MTL, 21-3/4X14-3/4 STREET	2

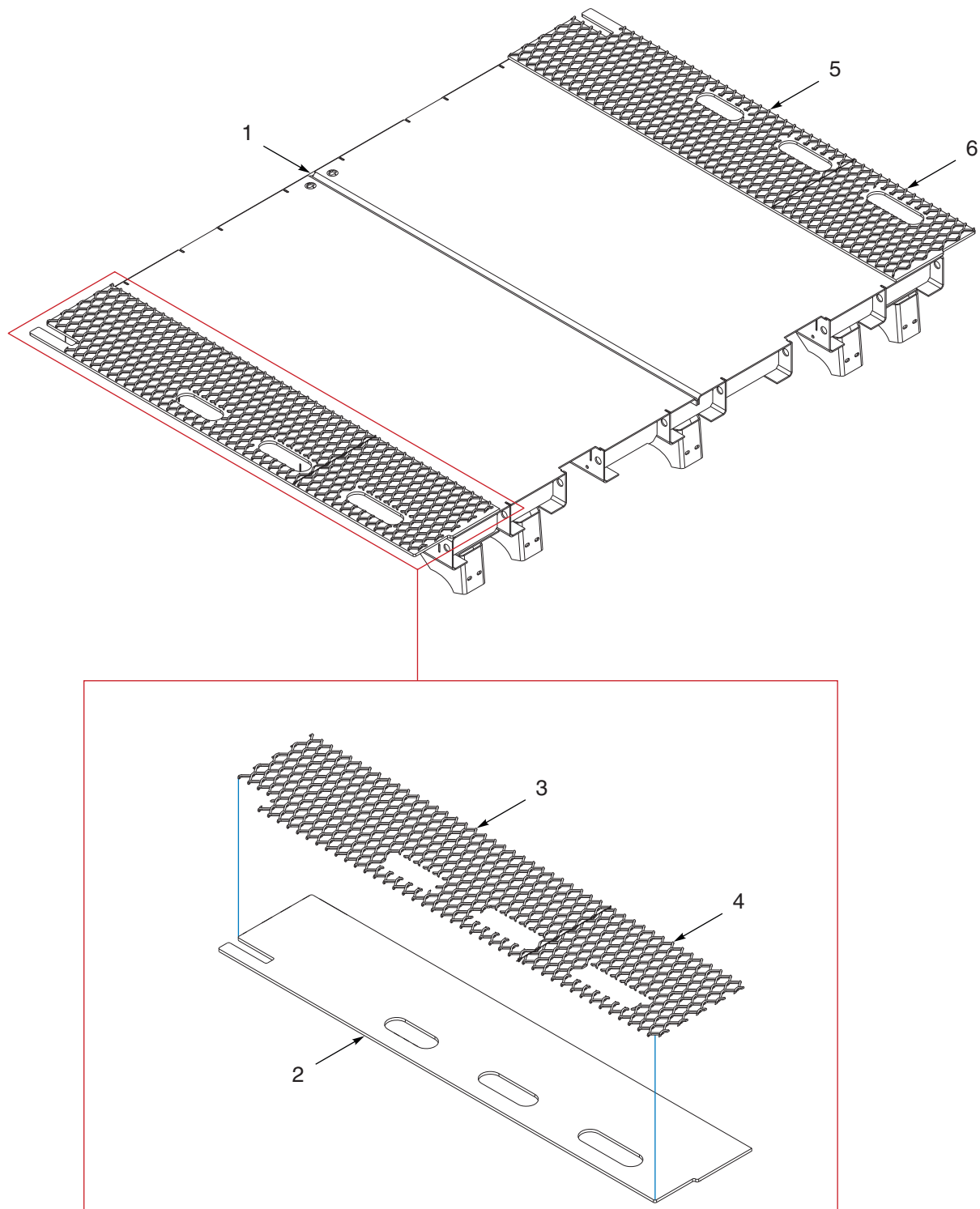
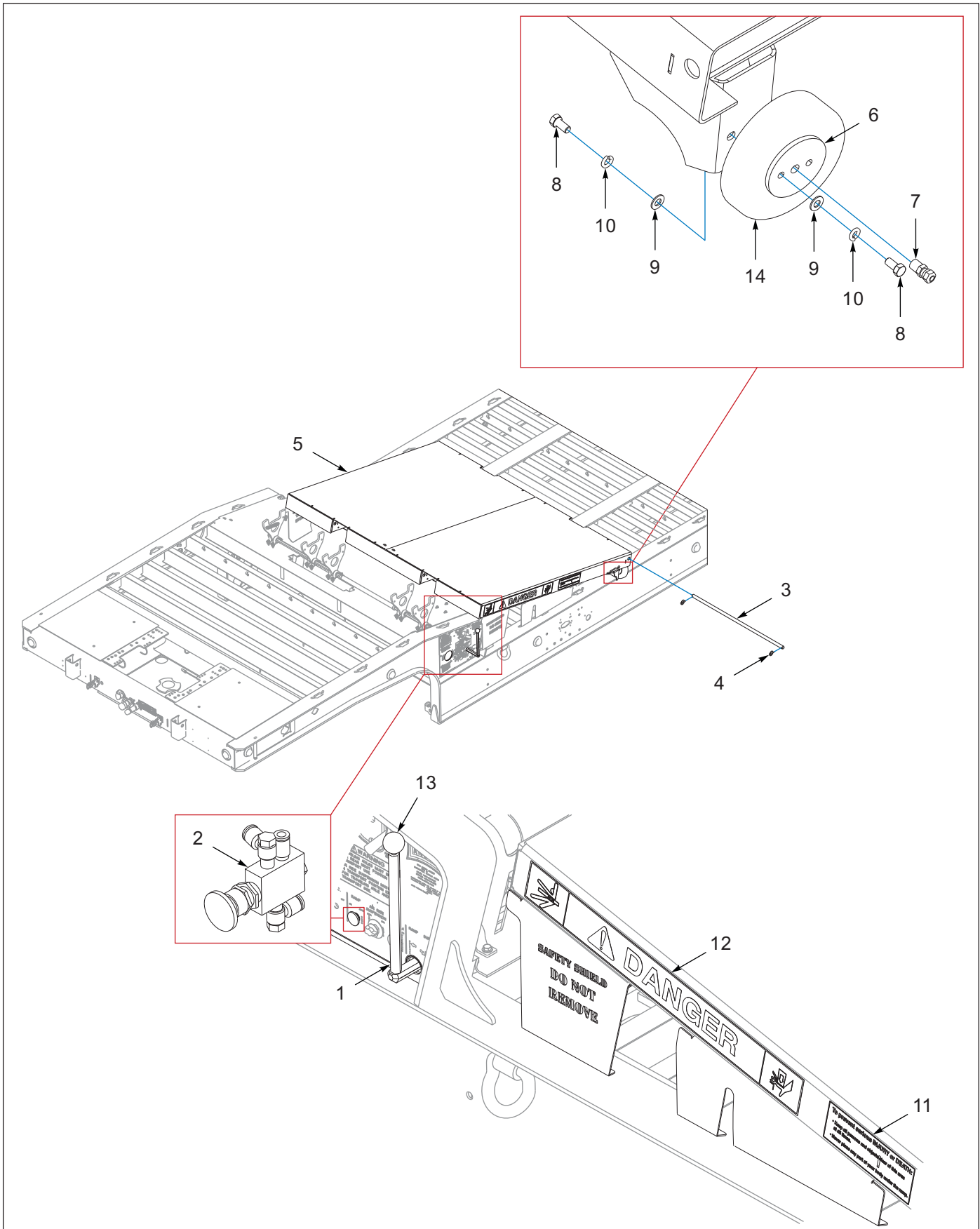


Figure 1-127: Ramp Assembly, Extension, Tread (AFTER 05/13/2020)

Ramp Assembly, Extension, Tread (AFTER 05/13/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY
1	213999	RAMP WLDMT 6FT EXP-EXT (AFTER 05/13/2020) (REPLACED 181546)	--
2	181547	PLATE WIDTH EXT 6' RAMP	2
3	181548	EXP MTL,WIDTH EXT 6 RMP STREET	1
4	182459	EXP MTL, 21-3/4X14-3/4 STREET	1
5	227524	EXP MTL, WIDTH EXT 6RMP CURB	1
6	227525	EXP MTL,21-3/4X14-3/4 CURB	1



Ramp Assembly, Air 6FT 930

ITEM	PART NUMBER	DESCRIPTION	QTY
1	108969	ROD,THREADED RAMP HDL (BEFORE 06/22/2020)	1
1	229196	HANDLE RAMP - 1/2 (AFTER 06/22/2020)	1
2	107887	VALVE AIR PUSH BUTTON	1
3	113532	PIN, RAMP HINGE 900	2
4	134912	PIN, LYNCH 1/4 X 1-1/4	4
5	139464	RAMP WLDMT 6FT 930B D/D	1
6	140372	SPACER 1/4" SHIM AIR SPRING	REF
6	143651	SPACER 1/8" SHIM AIR SPRING	REF
7	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	REF
8	1-654-010051-03	SCREW,HEX CAP,3/8-16UNCX3/4G5	20
9	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	10
10	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	20
11	225921	DECAL DANGER RAMP	2
12	225922	DECAL DANGER	2
13	3-360-010072	HANDLE PLASTIC BLACK (BEFORE 06/22/2020)	1
13	95	BALL KNOB 3/8-24X1/2 DP (AFTER 06/22/2020)	1
14	3-720-010042	SPRING AIR 6-1/2	5

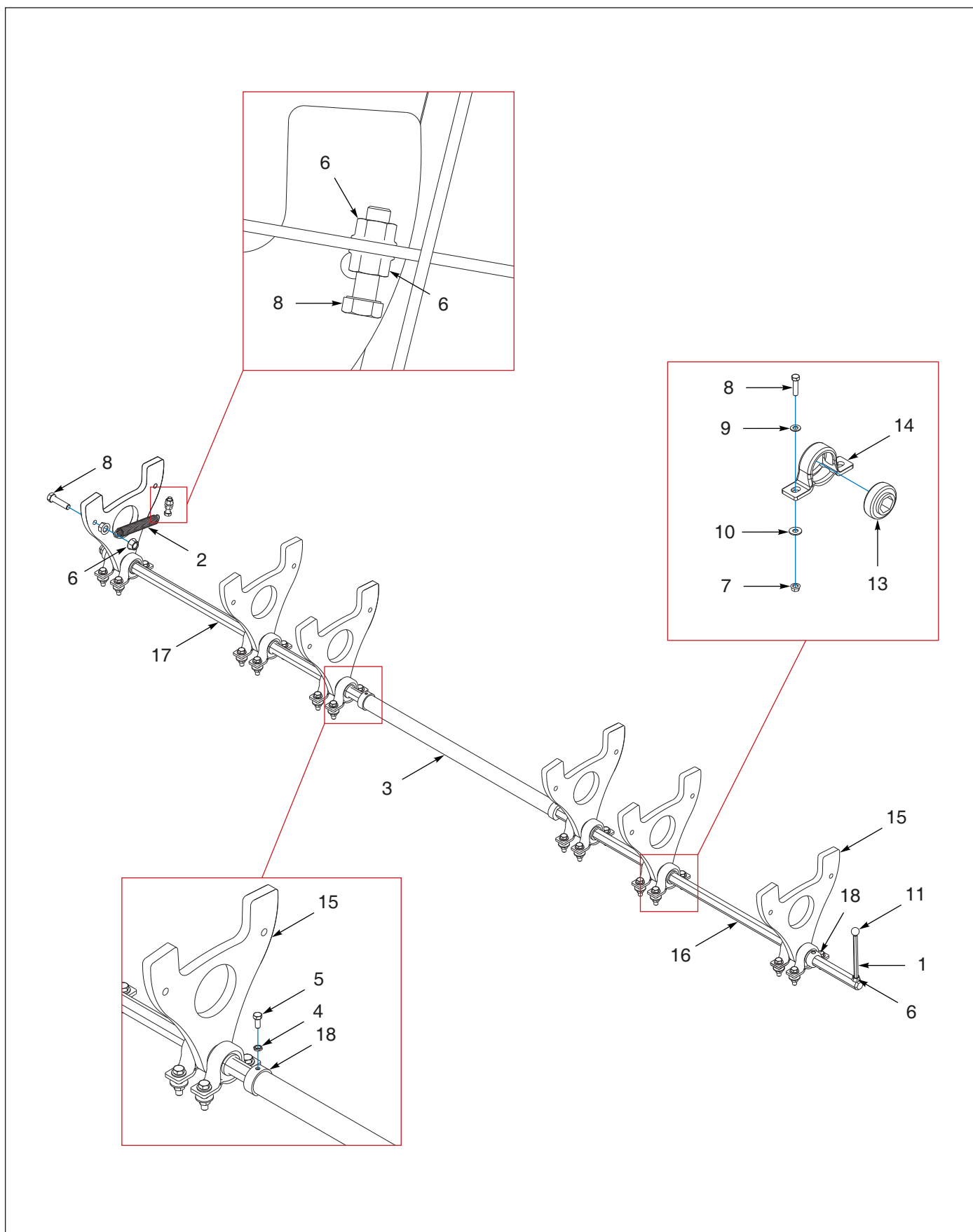


Figure 1-129: Ramp Assembly, Air 6FT 930 Support

Ramp Assembly, Air 6FT 930 Support

ITEM	PART NUMBER	DESCRIPTION	QTY
1	108969	ROD,THREADED RAMP HDL (BEFORE 06/22/2020)	1
1	229196	HANDLE RAMP - 1/2 (AFTER 06/22/2020)	1
2	129985	SPRING EXTENSION 7/8X6X.091	1
3	137069	COUPLER SHAFT RAMP LATCH WLDMT	1
4	112-1550	5/16-18 HEX JAM NUT ZP	2
5	107-0975	SCREW SET LOCK 5/16 -18X3/8LG (BEFORE 06/22/2020)	2
5	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5 (AFTER 06/22/2020)	2
6	1-510-010001	NUT, 3/8-16 UNC FLANGE LOCK	5
7	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	32
8	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	26
9	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	52
10	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	24
11	3-360-010072	HANDLE PLASTIC BLACK (BEFORE 06/22/2020)	1
11	95	BALL KNOB 3/8-24X1/2 DP (AFTER 06/22/2020)	1
12	141606	BRACKET ASSY 930 RAMP (INCLUDES ITEMS 12-17)	6
13	135357	BEARING SELF ALIGN 7/8HEX HD	12
14	135398	PILLOW BLOCK STAMPED 52MM	12
15	136225	LATCH WLDMT RAMP 930B	6
16	137065	SHAFT,LH HEX RAMP LATCH 930B (BEFORE 06/16/2020)	--
16	229195	SHAFT, LH 1/2 HEX RAMP LATCH (AFTER 06/16/2020)	1
17	137066	SHAFT,RH HEX RAMP LATCH 930B	1
18	71503635	COLLAR,RETAINING 1"	4

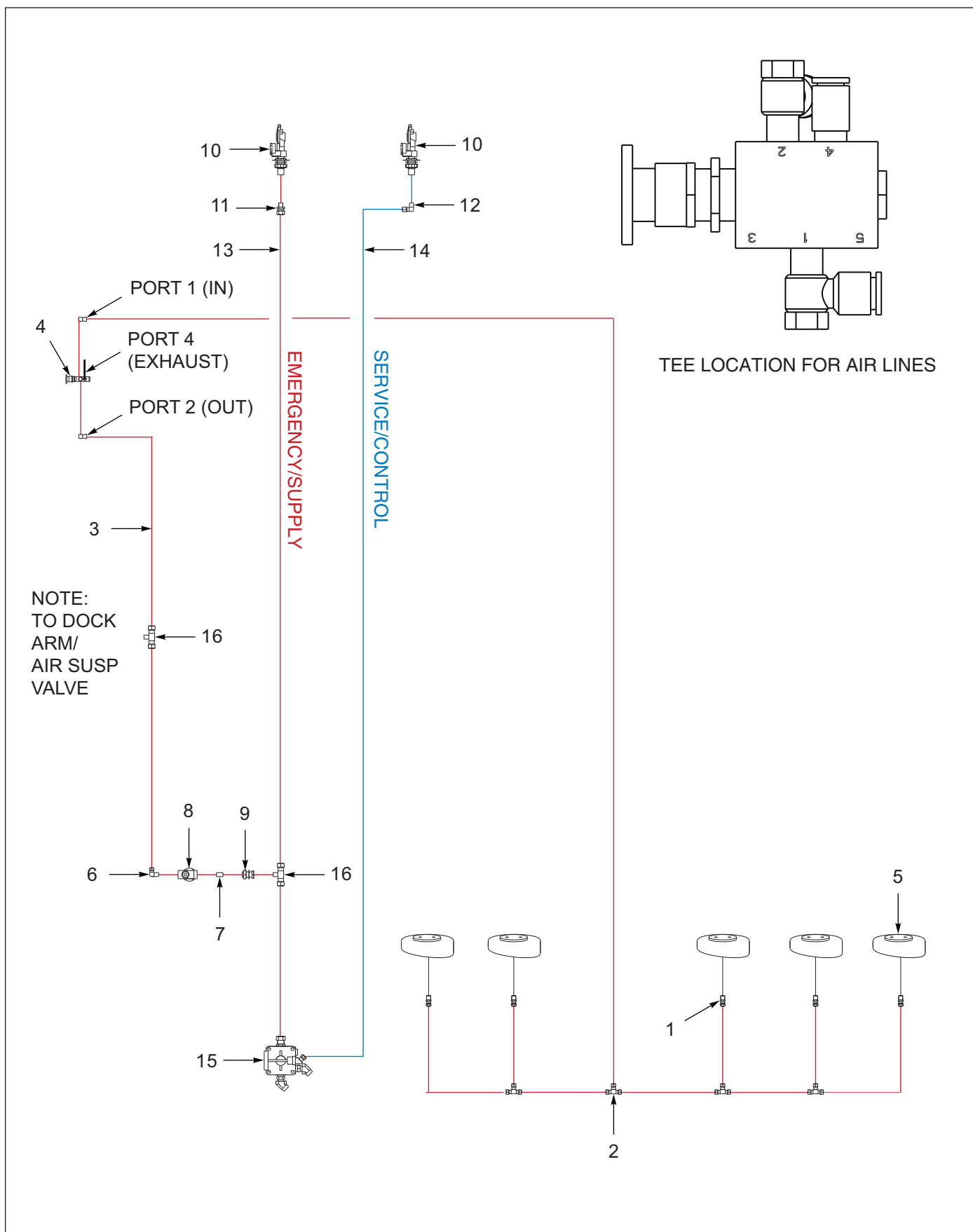


Figure 1-130: Ramp Assembly, Air System 6FT 930

Ramp Assembly, Air System 6FT 930

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	5
2	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	5
3	1-833-010001	TUBING NYLON 1/4 OD (BY THE FOOT)	23
4	107887	VALVE AIR PUSH BUTTON	1
5	3-720-010042	SPRING AIR 6-1/2	5
6	1-297-010008-07	FITTING, AIR, 90 1/4 TUBE X 1/4 NPT	1
7	1-297-010020-02	FITTING, BRASS PIPE, CL NIP 1/4	1
8	905-54-107	BRAKE PROTECTION VALVE	1
9	1-297-010022-02	FITTING, AIR ANCHR CPLG, 1/4 NPT	1
10	171320	CONNECTORS AIR/HYD (FLOW CTRL)	--
11	1-297-010007-14	FITTING, AIR 1/2 TUBE X 1/4 NPT	--
12	1-297-010008-18	FITTING, AIR 90 3/8TUBEX1/4NPT	--
13	1-833-010003	TUBING NYLON 1/2 OD	--
14	1-833-010002	TUBING NYLON 3/8 OD	--
15	141607	VALVE ASSY AIR BOOSTER	1
16	1-297-010015-09	FITTING, AIR, BR TEE 1/2T - 1/4 P	--
17	140372	SPACER, 1/4 IN. SHIM AIR SPRING (NOT SHOWN, DD ONLY)	--

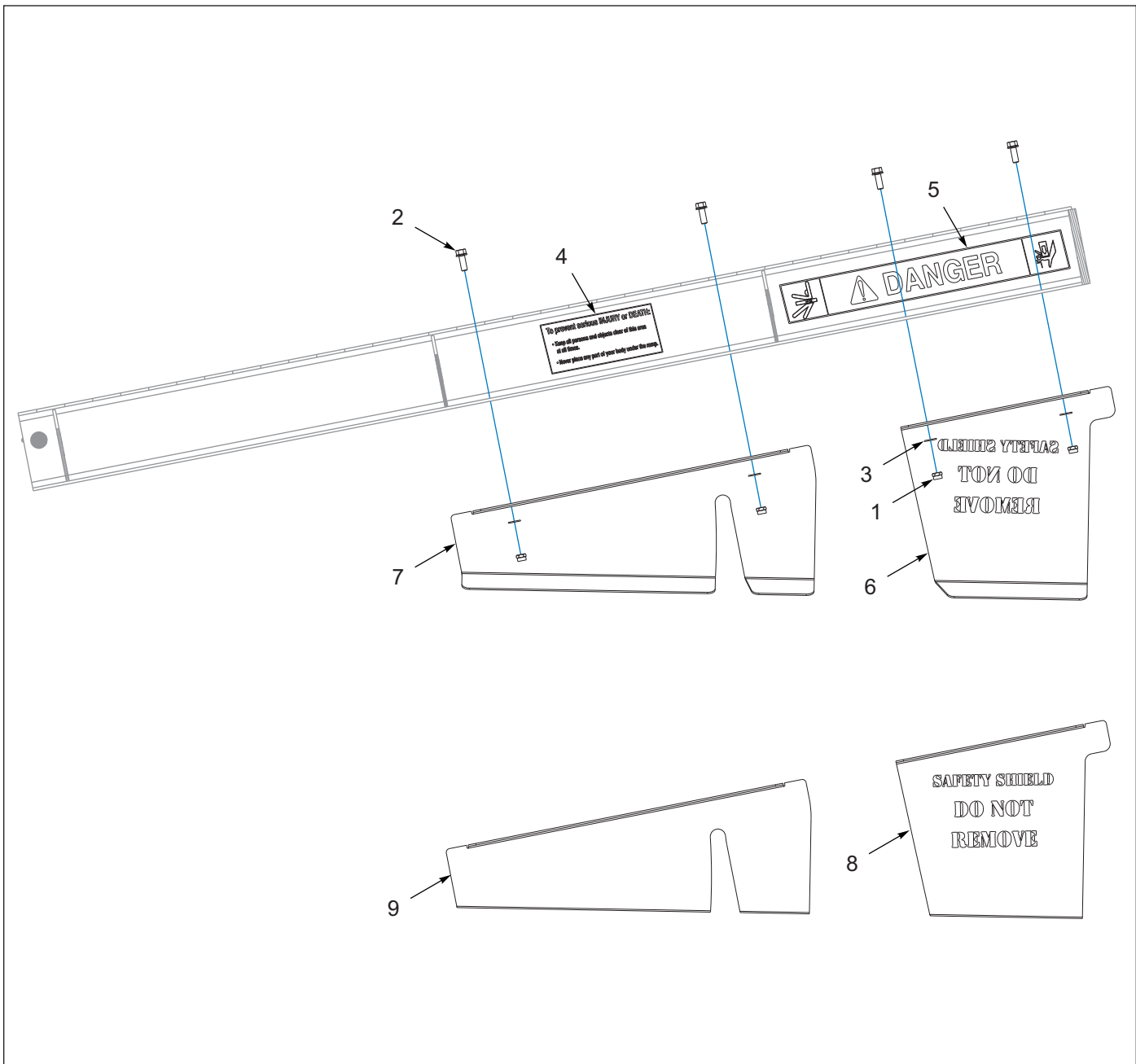


Figure 1-131: Safety Shield Assembly, Ramp

Safety Shield Assembly, Ramp

ITEM	PART NUMBER	DESCRIPTION	QTY
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	8
2	1-655-010003-05	SCREW, FLANGE HD 3/8-16X1 GR8	8
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	8
4	225921	DECAL DANGER RAMP	2
5	225922	DECAL DANGER	2
6	226726	SAFETY SHIELD, FRONT DS YELLOW	2
7	226727	SAFETY SHIELD, REAR DS YELLOW	2
8	226728	SAFETY SHIELD, FRONT PS YELLOW	2
9	226729	SAFETY SHIELD, REAR PS YELLOW	2

[illegible]

Scales Assembly-Options

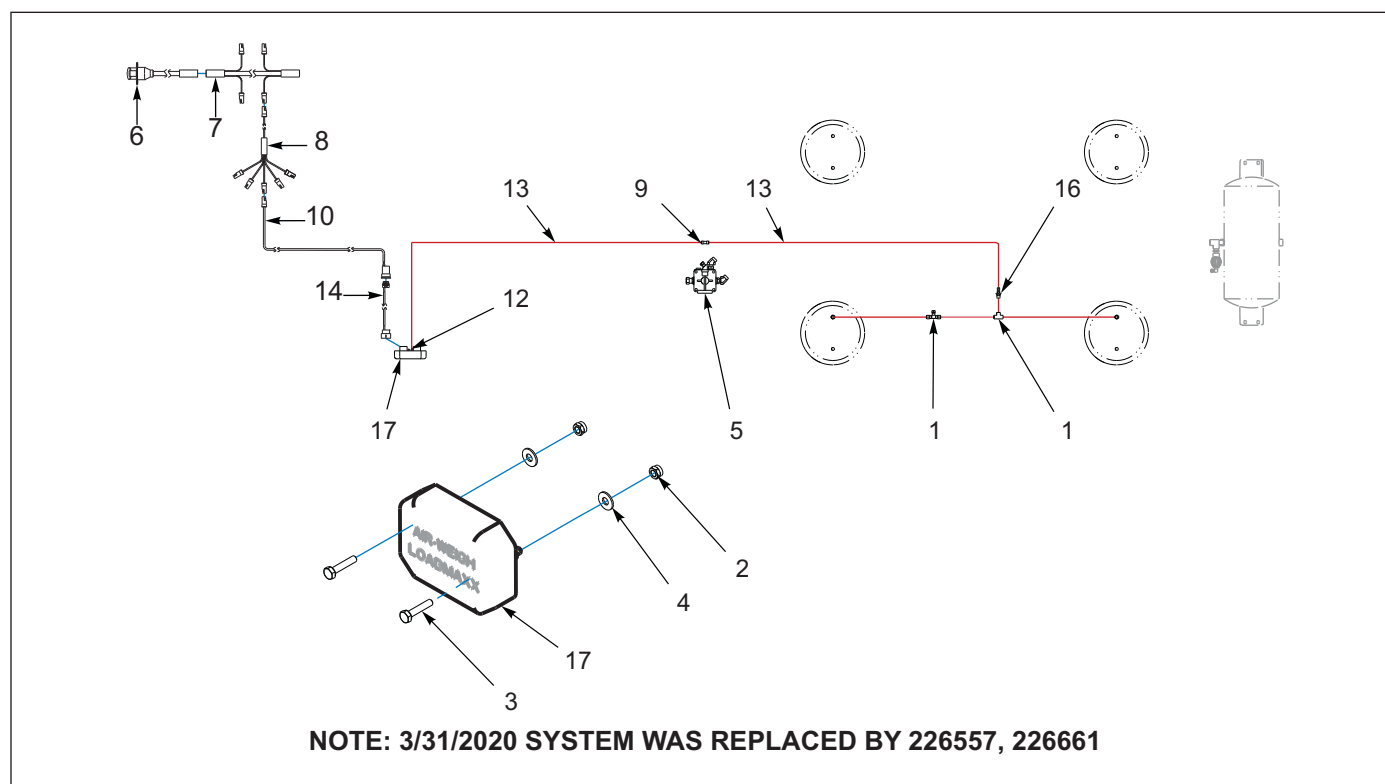


Figure 1-132: Loadmaxx (BEFORE 3/31/2020)

Loadmaxx (BEFORE 3/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	175358	SCALE INSTL QUICKLOAD(TRAVEL) (BEFORE 3/31/2020 REPLACED BY 226557, 226661)	--
1	1-297-010009-02	FITTING,AIR,PIPE TEE 1/4 (BEFORE 8/28/2014)	1
1	1-297-010010-04	FITTING,AIR,UN/TEE3/8X3/8X1/4 (AFTER 8/28/2014)	--
2	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	--
3	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	--
4	1-861-010032-07	WASHER,FLAT 1/4 ZP	--
5	141607	VALVE ASSY AIR BOOSTER (SEE PAGE 1-40)	--
6	143100	HARNESS 7WAY RECP GROTE	--
7	143101	HARNESS FRONT MAIN GROTE	--
8	150093	HARNESS 5 AUX BRANCHES GROTE	--
9	175359	UNION AIR HOSE 1/4 O.D. POLY	1
10	175364	CABLE, POWER, GROTE CONN, LM	1
11	175360	SCALE AIR LOADMAXX (TRAV AXLE) (KIT INCLUDES ITEMS 12-18)	--
12	175363	SPRING HOSE CLAMP 1/4 OD	1
13	175365	AIR LINE 1/4 OD X 50' AIR-WGH	1
14	184392	HARNESS MOD 175364 ASSY (NOT SHOWN) (BEFORE 1/8/2019)	1
14	218059	CABLE INTERFACE 18" POWER (NOT SHOWN) (AFTER 1/8/2019)	1
16	180221	HOSE BARB FITTING (BEFORE 1/8/2019)	1
16	212216	BRASS FITTING 1/4 NPT 1/4 BARB (BEFORE 1/8/2019)	1
17	212215	TRAILER SCALE LOADMAXX (BEFORE 3/28/2020)	1
18	166924	DECAL AIR-WEIGH TRAILER SCALE (NOT SHOWN)	1

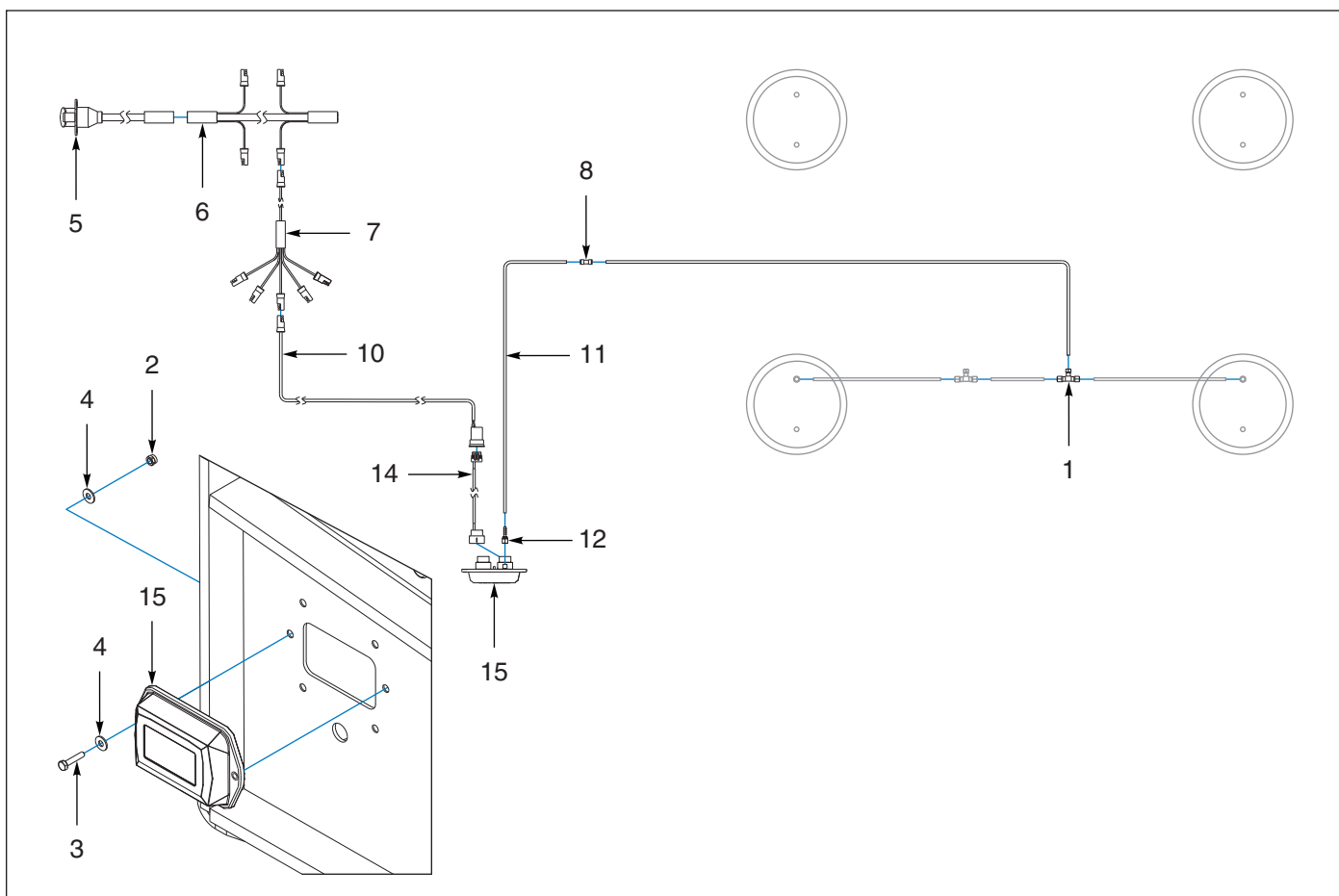


Figure 1-133: Quickload Plus (AFTER 3/31/2020)

Quickload Plus (AFTER 3/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY
	226657	QUICKLOAD PLUS TRAV AX INSTL (AFTER 03/31/2020) (REPLACES 175358)	--
	103082	SUSP,AIR RLU A/R TANDEM 660	--
1	1-297-010010-04	FITTING,AIR,UN/TEE3/8X3/8X1/4	1
2	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
3	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	2
4	1-861-010032-07	WASHER,FLAT 1/4 ZP	4
5	143100	HARNESS 7WAY RECP GROTE	1
6	143101	HARNESS FRONT MAIN GROTE	1
7	150093	HARNESS 5 AUX BRANCHES GROTE	1
8	175359	UNION AIR HOSE 1/4 O.D. POLY	1
9	226656	QUICKLOAD PLUS TRAV AXLE KIT (NOT SHOWN) (INCLUDES ITEMS 10-16)	--
10	175364	CABLE, POWER, GROTE CONN, LM	1
11	175365	AIR LINE 1/4 OD POLY (BY THE FOOT)	50
12	212216	BRASS FITTING 1/4 NPT 1/4 BARB	1
13	226650	BRASS T 1/4NPT AIR WEIGH (NOT SHOWN)	1
14	226651	POWER CABLE 3.5FT AIR WEIGH	1
15	226652	QUICKLOAD PLUS SCALE MODULE	1
16	226653	DECAL AIR WEIGH SCALE (NOT SHOWN)	1

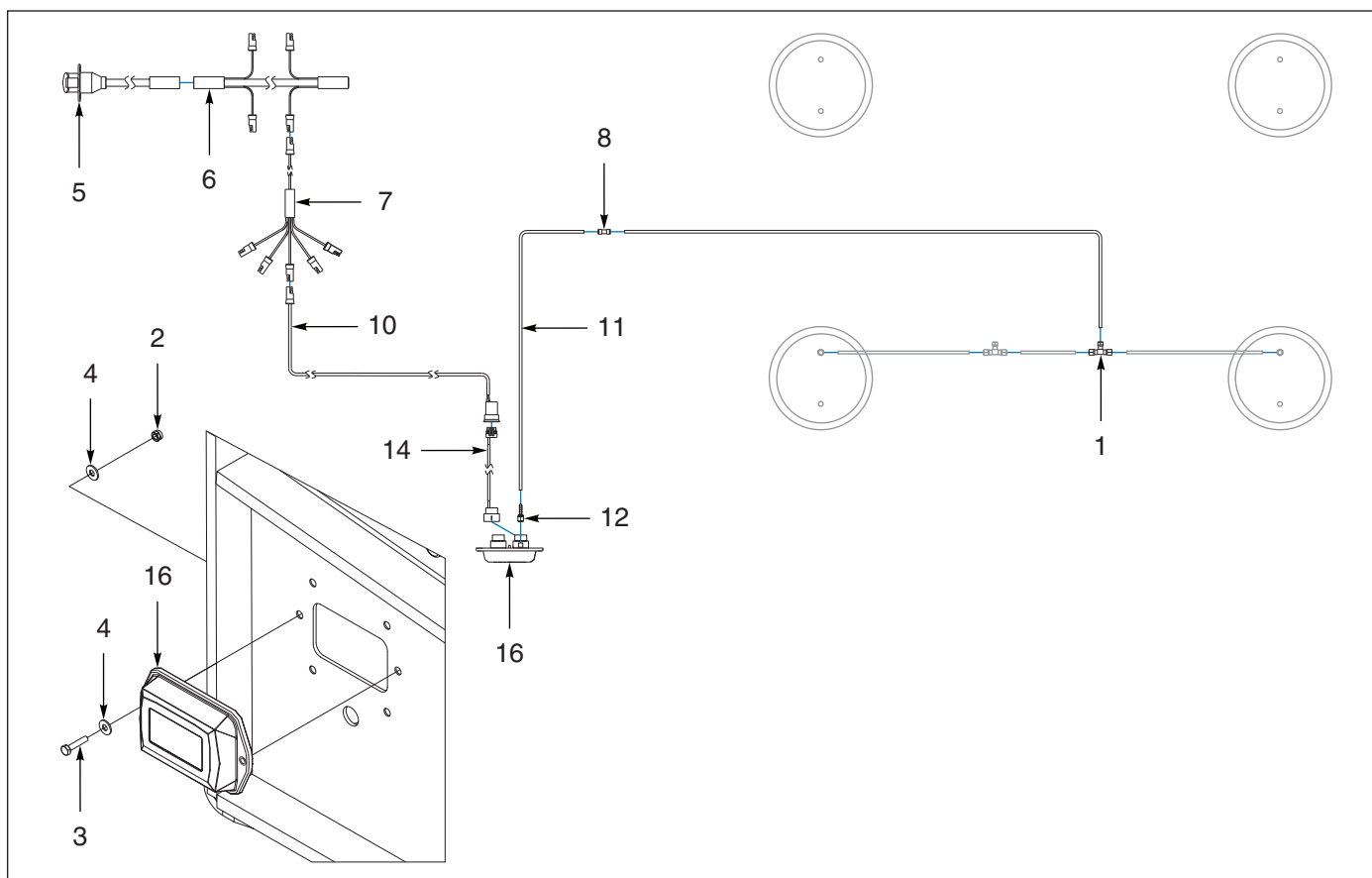


Figure 1-134: Loadmaxx Plus (AFTER 3/31/2020)

Loadmaxx Plus (AFTER 3/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY
	226661	LOADMAXX PLUS TRAV AX INSTL (AFTER 03/31/2020) (REPLACES 175358 & 204675)	--
	103082	SUSP,AIR RLU A/R TANDEM 660	--
1	1-297-010010-04	FITTING,AIR,UN/TEE3/8X3/8X1/4	1
2	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
3	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	2
4	1-861-010032-07	WASHER,FLAT 1/4 ZP	4
5	143100	HARNESS 7WAY RECP GROTE	1
6	143101	HARNESS FRONT MAIN GROTE	1
7	150093	HARNESS 5 AUX BRANCHES GROTE	1
8	175359	UNION AIR HOSE 1/4 O.D. POLY	1
9	226660	LOADMAXX PLUS TRAV AXLE KIT (INCLUDES ITEMS 10-16)	--
10	175364	CABLE, POWER, GROTE CONN, LM	1
11	175365	AIR LINE 1/4 OD POLY (BY THE FOOT)	50
12	212216	BRASS FITTING 1/4 NPT 1/4 BARB	1
13	226650	BRASS T 1/4NPT AIR WEIGH (NOT SHOWN)	1
14	226651	POWER CABLE 3.5FT AIR WEIGH	1
15	226653	DECAL AIR WEIGH SCALE (NOT SHOWN)	1
16	226655	LOADMAXX PLUS SCALE MODULE	1

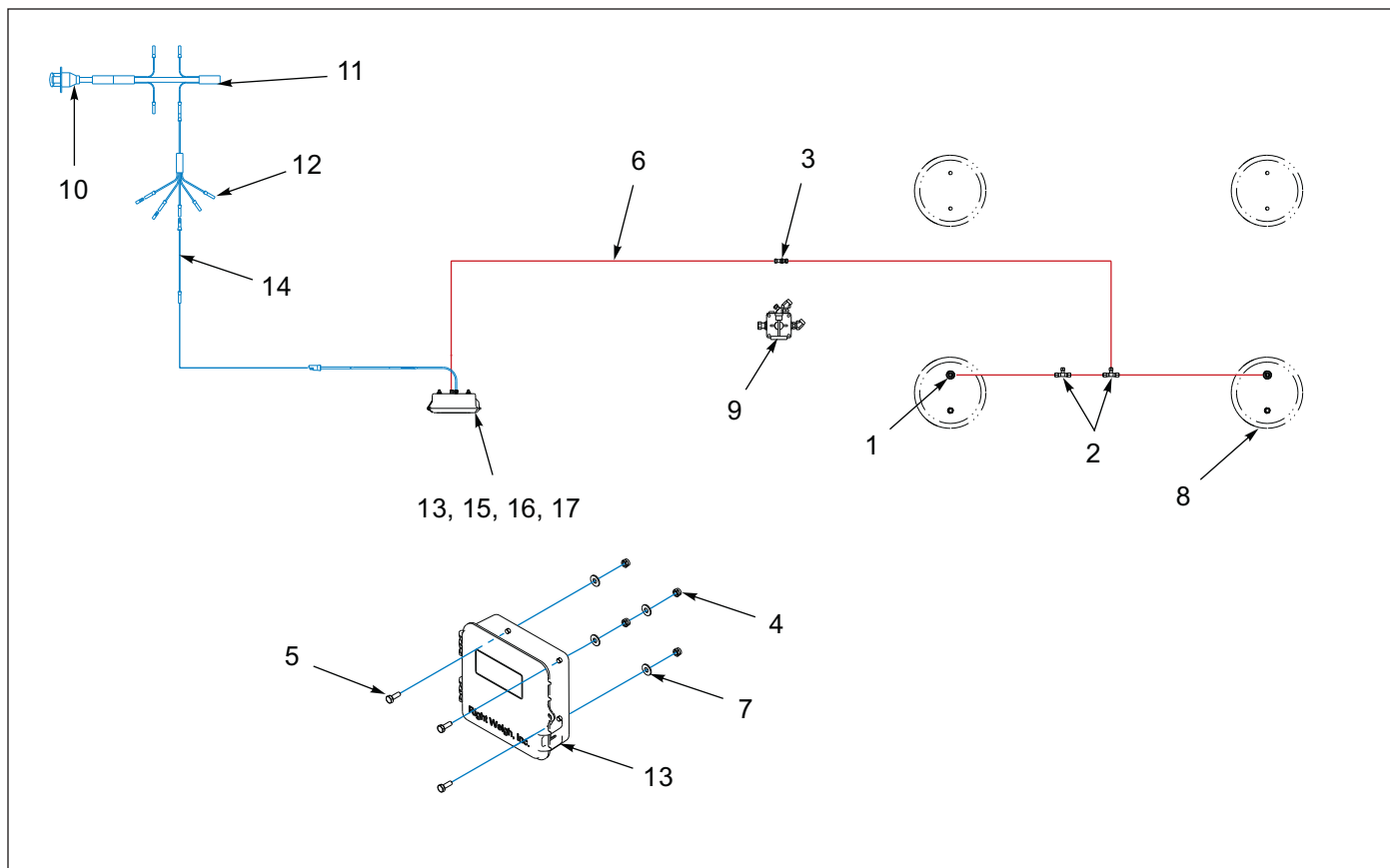


Figure 1-135: Right Weigh

Right Weigh

ITEM	PART NUMBER	DESCRIPTION	QTY.
	170470	SCALE INSTALLATION, RIGHT WEIGH SYSTEM	--
	205742	SCALE INSTALLATION, RIGHT WEIGH SYSTEM W/ BLUETOOTH	--
1	1-297-010007-11	FITTING AIR	2
2	1-297-010010-04	FITTING AIR UNION TEE	--
3	1-297-010014-02	FITTING, AIR	1
4	1-512-010005-01	NUT HEX LOCK 1/4-20 GRB	--
5	1-654-010047-04	SCREW, HEX HEAD CAP 1/4-20 X 3/4 GR5	24
6	1-833-010001	TUBING NYLON 1/4 OD	--
7	1-861-010032-07	WASHER, FLAT 1/4	--
8	-----	SUSPENSION, AIR RLU A/R	--
9	141607	AIR BOOSTER VALVE ASSEMBLY (SEE PAGE 1-40)	--
10	143100	HARNESS, 7 WAY RECEPTACLE	--
11	143101	HARNESS, FRONT MAIN	--
12	150093	HARNESS, 5 AUXILIARY BRANCHES	--
13	170471	HARNESS ASSEMBLY, RIGHT WEIGH (USED W/ 170470)	1
13	205744	HARNESS ASSEMBLY, RIGHT WEIGH (USED W/ 205742)	1
14	3-368-010252	HARNESS ASSEMBLY, BULKHEAD LIGHT EXT	1
15	171159	DIGITAL SCALE (USED W/ 170470)	1
15	205747	DIGITAL SCALE W/ BLUETOOTH (USED W/ 205742)	1
16	171160	DIGITAL INSTALLATION KIT	1
17	171161	MOUNTING BOX, BRACKET, AND HARDWARE	1

Spare Tire Mount - Options

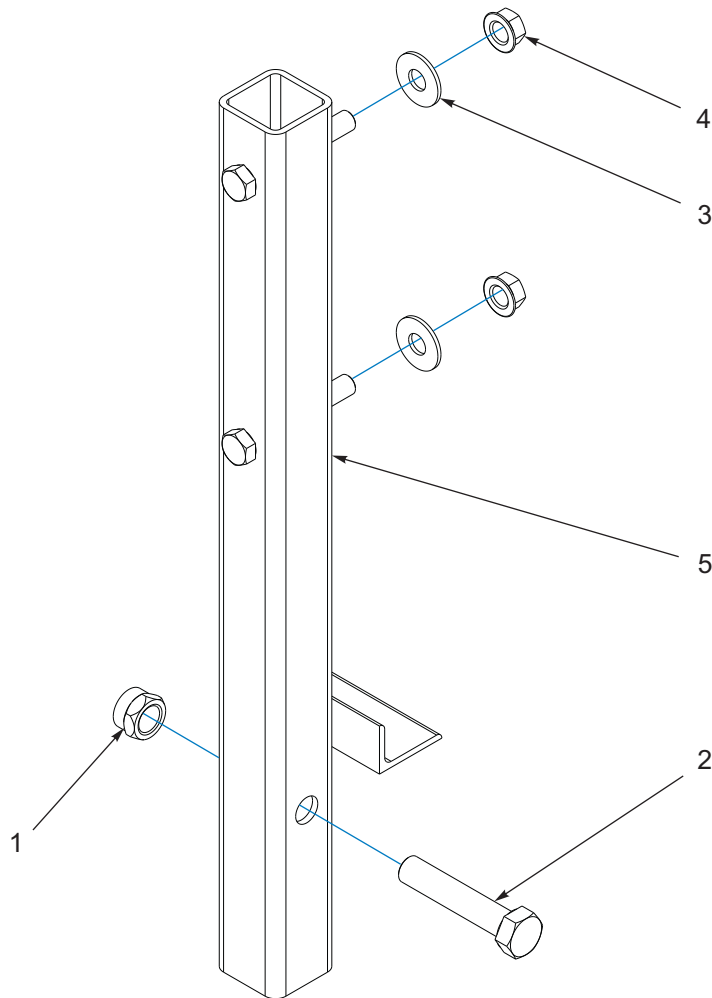


Figure 1-136: Post Mount Assembly

Post Mount Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.	
	130282	SPARE TIRE MOUNT ASSEMBLY	*	
	169641	SPARE TIRE MOUNT ASSEMBLY, 255 TIRES		*
1	1-512-010005-19	NUT, HEX LOCK 1-8 GRB	1	1
2	1-654-010065-15	SCREW, HEX HEAD CAP 1-8 X 5 GR5	1	1
3	1-861-010032-21	WASHER, FLAT, 3/4W	2	2
4	103841	NUT, FLANGE PREVAILING TORQUE 3/4-10	2	2
5	130280	MOUNT WELDMENT, SPARE TIRE	1	--
5	169639	MOUNT WELDMENT, SPARE TIRE, 255	--	1

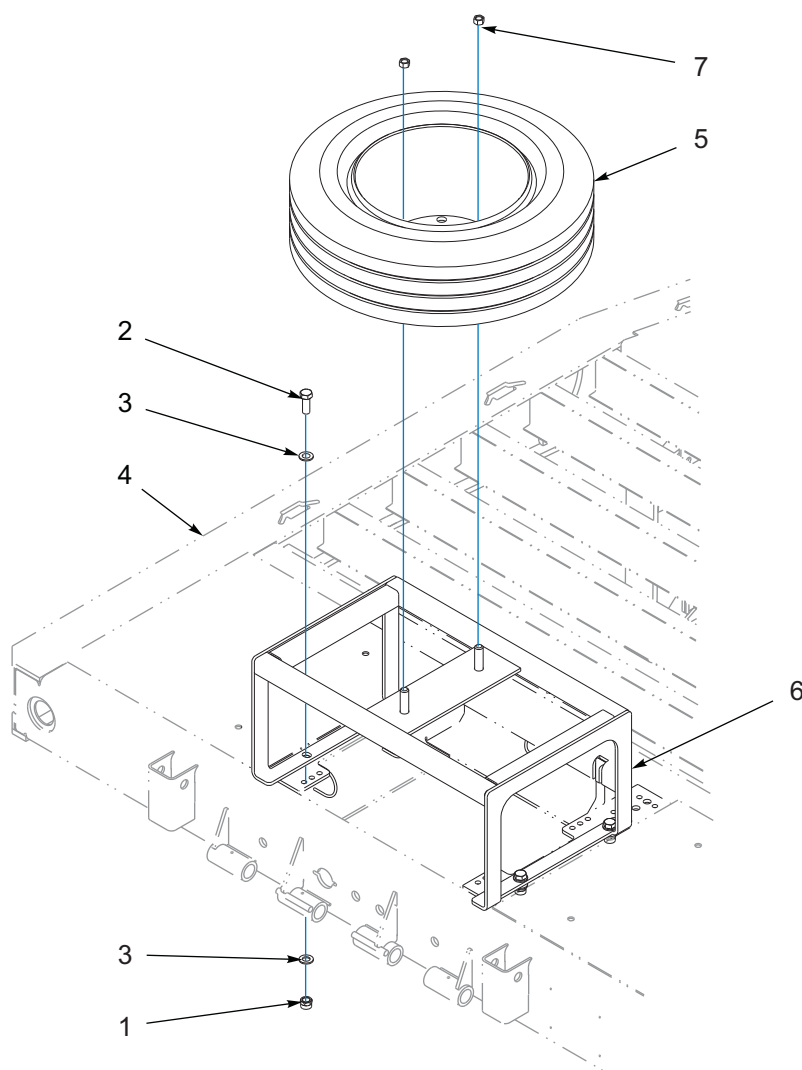


Figure 1-137: Upper Deck Mount Assembly

Upper Deck Mount Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	163790	HORIZONTAL SPARE TIRE MOUNT ASSEMBLY	
1	1-512-010005-15	NUT, HEX LOCK 3/4-10 GRB	4
2	1-654-010061-05	SCREW, HEX HEAD CAP 3/4-10 X 2 GR5	4
3	1-861-010032-20	WASHER, FLAT, 3/4N	2
4	-----	GOOSENECK WELDMENT	REF
5	-----	TIRE ASSEMBLY	REF
6	163791	MOUNT WELDMENT, HORIZONTAL SPARE TIRE	1
7	179933	NUT, HEX M22 X 1.5	2

Steps - Options

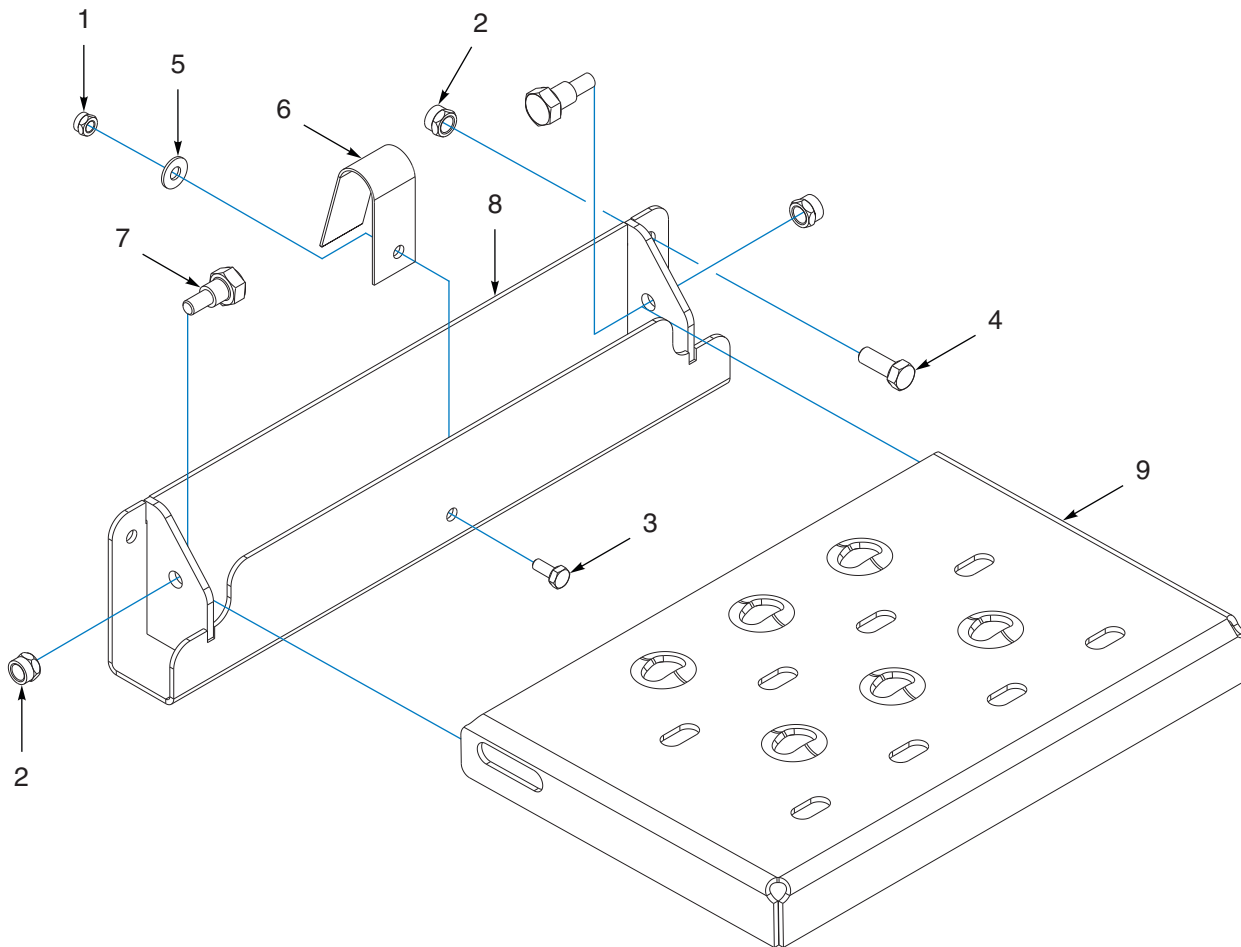


Figure 1-138: Step, Folding Assembly

Step, Folding Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY
	174061	STEP ASSY,FOLD UP, YELLOW	--
	178393	STEP ASSY, FOLD UP, YELLOW (2 STEPS)	--
	189699	STEP ASSY, FOLD UP, BLACK	--
	216268	STEP ASSY, FOLD UP, GALV	--
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 (2 EACH FOR 178393)	1
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (8 EACH FOR 178393)	4
3	1-654-010047-03	SCREW, HEX 1/4-20UNCX5/8 (2 EACH FOR 178393)	1
4	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5 (4 EACH FOR 178393)	2
5	1-861-010032-07	WASHER,FLAT 1/4 ZP (2 EACH FOR 178393)	1
6	174092	SPRING,STAY, FOLDING STEP (2 EACH FOR 178393)	1
7	2-095-010017	BOLT, SHOULDER HEX HEAD (4 EACH FOR 178393)	2
8	190556	ANCHOR, FOLDING STEP,BLACK (FOR 189699)	1
8	216267	ANCHOR, FOLDING STEP, GALV (FOR 216268)	1
8	220291	ANCHOR, FOLDING STEP,YELLOW (1 EACH FOR 174061) (2 EACH FOR 179383)	--
9	190557	STEP, FOLD UP BLACK (FOR 189699)	1
9	216266	STEP, FOLD UP, GALV (FOR 216268)	1
9	220292	STEP,FOLD UP,YELLOW (1 EACH FOR 174061) (2 EACH FOR 179383)	--

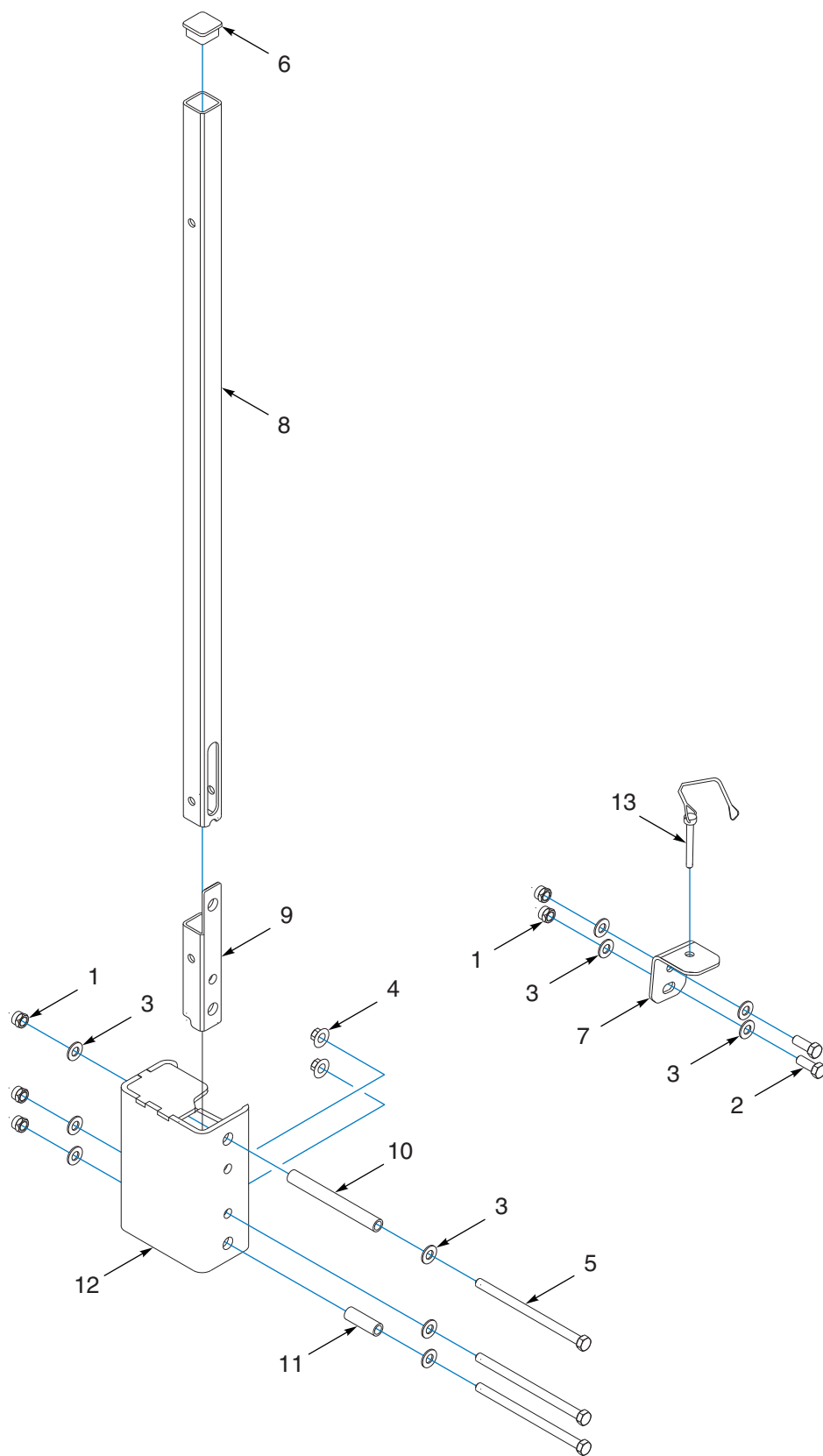


Figure 1-139: Step, Folding Handle Assembly

Step, Folding Handle Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY
	226645	ROTATE VERT HANDLE	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	5
2	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	2
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	10
4	107470	NUT, SPIRALOCK 3/8-16HX	2
5	109207	SCREW 3/8-16X6 HHCS FULLTHRD	3
6	208980	PLUG, SQR TUBE 1-1/4, 10-14 GA	1
7	223279	STEP HANDLE HOLD BRACKET	1
8	223282	STEP HANDLE TUBE	1
9	223283	STEP HANDLE INSERT TUBE	1
10	223285	SLIDE COLLAR	1
11	226635	HANDLE BASE SPACER	1
12	226644	HANDLE BASE WLDMT	1
13	226688	PIN, 5/16X1-3/4, ROUND LOCKING	1

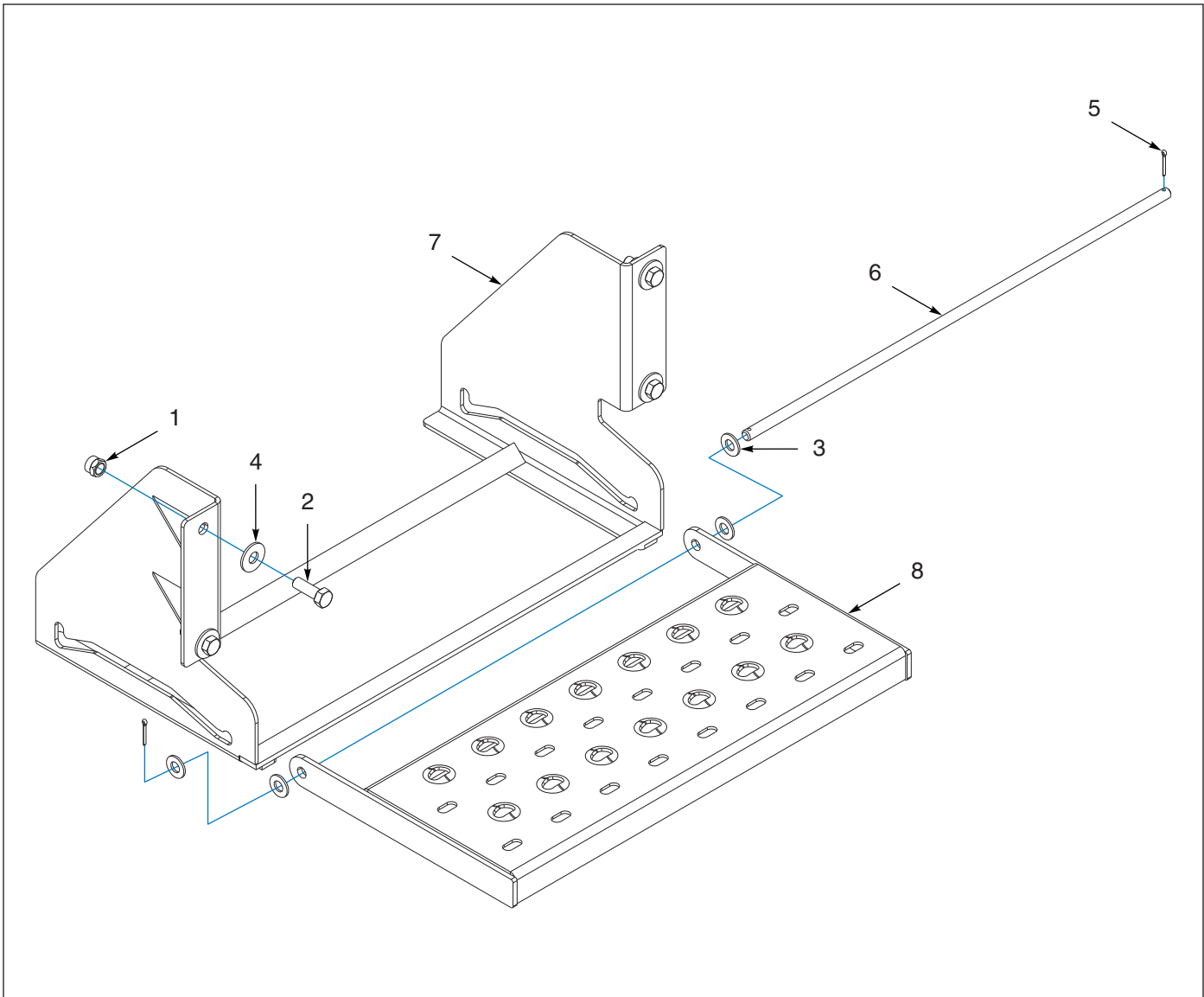


Figure 1-140: Step, Retractable Assembly

Step, Retractable Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY
	175632	STEP ASSY,RETRACTABLE,YELLOW	--
	216271	STEP ASSY, RETRACTABLE GALV	--
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
2	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
3	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	4
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
5	101386	PIN, COTTER, 1/8X1	2
6	175625	PIN,SLIDING, RETRACTABLE STEP	1
7	216269	MOUNT,RETRACTABLE STEP, GALV (FOR 216271)	1
7	220293	MOUNT,RETRACTABLE STEP, BLACK (FOR 175632)	1
8	216270	STEP,RETRACTABLE, GALV (FOR 216271)	1
8	220294	STEP,RETRACTABLE, YELLOW (FOR 216271)	1

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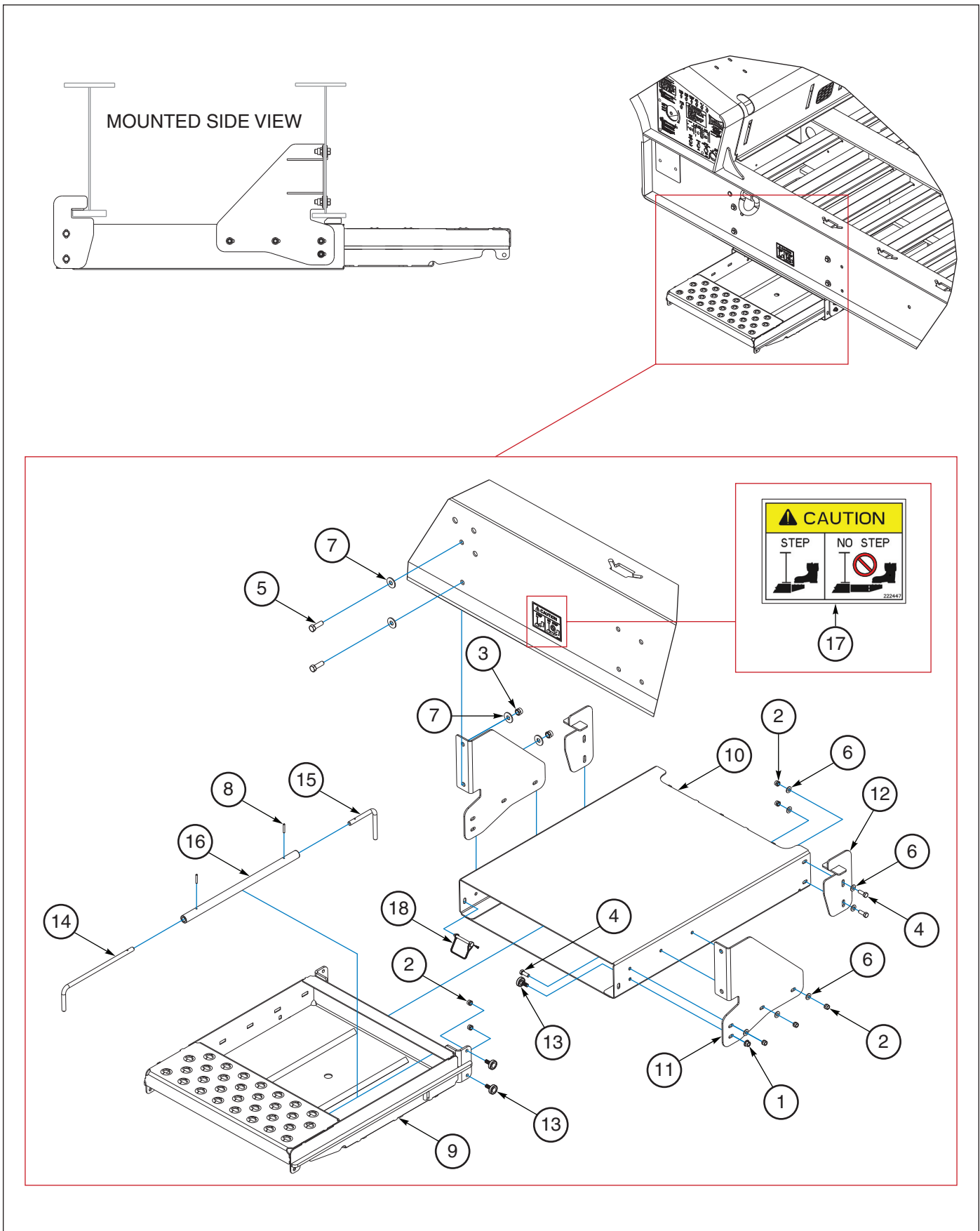


Figure 1-141: Step Drawer, Retractable Assembly

Step Drawer, Retractable Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY
	222445	INSTL STEP/DRAWER COMBO YLW/BK	--
	222446	INSTL STEP/DRAWER COMBO GALV	--
1	1-510-010001	NUT, 3/8-16 UNC FLANGE LOCK	2
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	14
3	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
4	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	10
5	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
6	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	14
7	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	8
8	172804	PIN SPRING SLOTTED 3/16X1-1/4	2
9	222440	STEP/DRAWER STORAGE YELLOW	1
9	222441	GALV OF 221640 (STP/DRWR STRG)	1
10	222442	HOUSING STEP/DRAWER 900 BLACK	1
10	222443	GALV OF 221645 (STP/DRWR HSG)	1
11	222436	HANGER FRONT STEP/DRAWER BLACK	2
11	222437	GALV OF 221652 (STP/DRWR HGR)	2
12	222438	HANGER REAR STEP/DRAWER BLACK	1
12	222439	GALV OF 222434 (STP/DRWR HGR)	1
13	221642	CAM FOLLOWER 1.18" DIA 540LB	6
14	221648	PIN STEP/DRAWER FRONT HANDLE	1
15	221649	PIN STEP/DRAWER REAR STOP	1
16	221650	TUBE STEP/DRAWER STOP CONN	1
17	222447	DECAL CAUTION NO STEP STP/DRWR	1
18	516-22PTL	RETAINING PIN MUD FLAP	2

Storage - Options

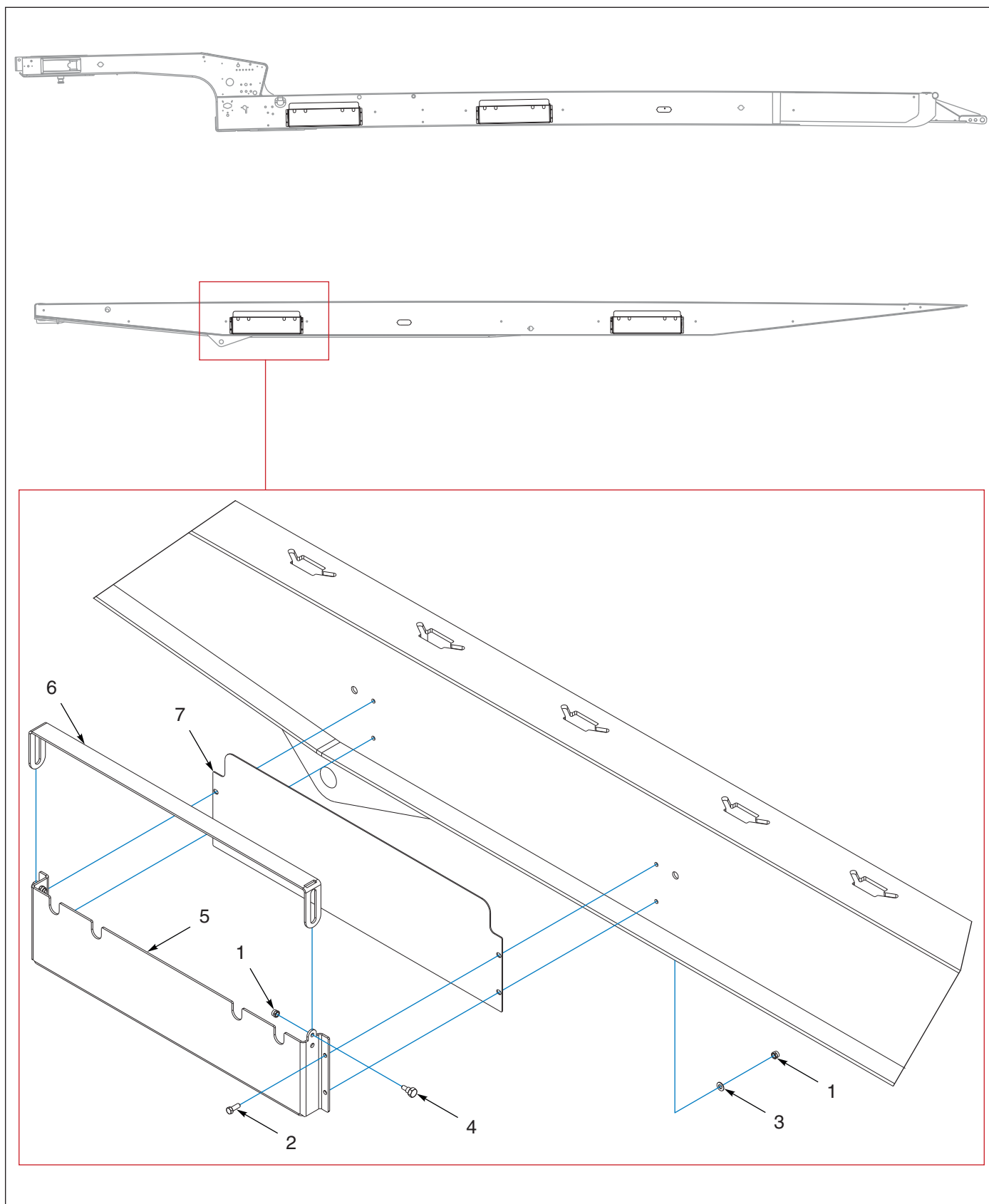


Figure 1-142: Chain Tray Assembly

Chain Tray Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY
	208320	CHAIN TRAY, YELLOW BOLT-ON W/LD	--
	208321	CHAIN TRAY, YELLOW BOLT-ON	--
	219615	CHAIN TRAY, TRL-CLR BLT-ON W/L	--
	219616	CHAIN TRAY, TRL-CLR BOLT-ON	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (6 EACH FOR 208320, 219615) (4 EACH FOR 208321, 219616)	6
2	1-654-010051-05	SCREW, HEX CAP 3/8-16UNCX1 GR5	4
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	4
4	2-095-010017	BOLT, SHOULDER HEX HEAD (FOR 208320, 219615)	2
5	208318	CHAIN TRAY, BOLT-ON 8X37	1
6	208319	CHAIN TRAY LID (FOR 208320, 219615)	1
7	225873	CHAIN TRAY LONG REAR	1
8	225844	CHAIN TRAYS (4) YEL BOTL-ON FI (KIT, SET OF 4) (NOT SHOWN)	--
9	225845	CHAIN TRAYS (4) YEL W/LIDS FI (KIT, SET OF 4) (NOT SHOWN)	--
10	225846	CHAIN TRAYS (4) TRL CLR B-O FI (KIT, SET OF 4) (NOT SHOWN)	--
11	225847	CHAIN TRAYS (4) TRL CR W/LD FI (KIT, SET OF 4) (NOT SHOWN)	--

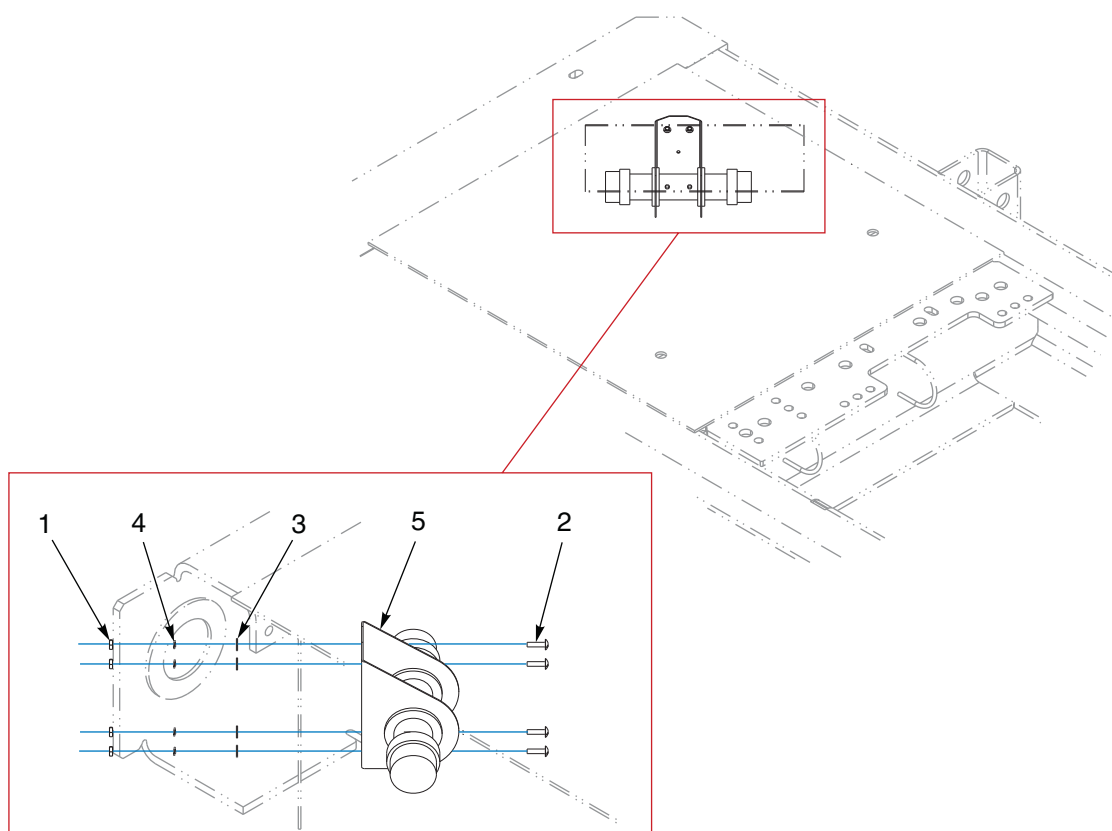


Figure 1-143: Registration Holder Assembly

Registration Holder Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY
--	175989	INSTL REGISTRATION CARD HOLDER	--
--	130662	GOOSENECK WLDMT, 410-102	--
1	1-512-010007-03	NUT, HEX 10-24 GR2 ZP	4
2	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	4
3	1-861-010032-03	WASHER, FLAT #10 ZP/CD	4
4	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10	4
5	174598	REGISTRATION CARD HOLDER	1

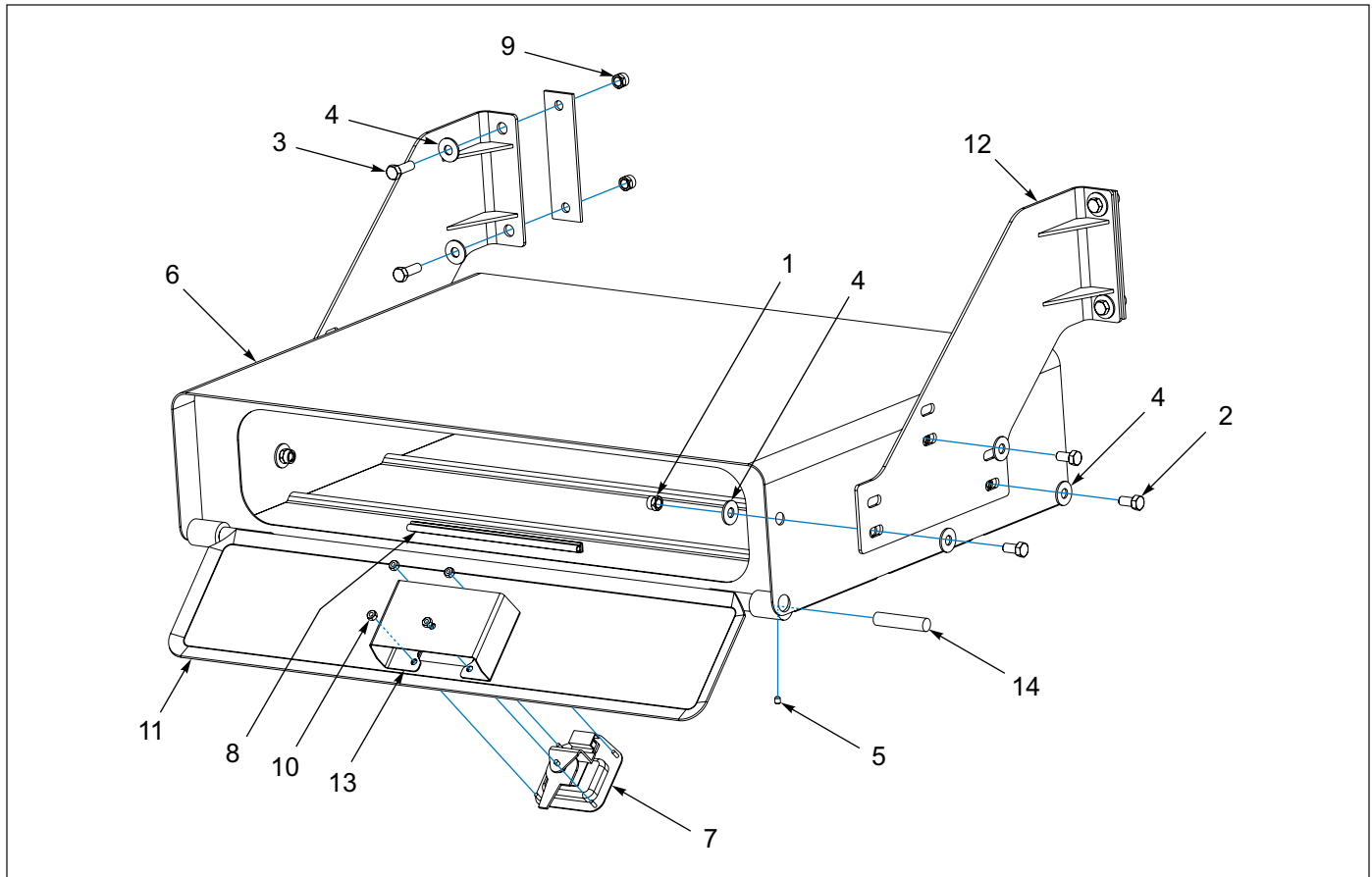


Figure 1-144: Toolbox Assembly-Steel/Aluminum Door

Toolbox Assembly-Steel/Aluminum Door

ITEM	PART NUMBER	DESCRIPTION	QTY.
	114807	TOOLBOX INSTALLATION STEEL DOOR	
	116628	TOOLBOX INSTALLATION ALUMINUM DOOR	1
1	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	10
2	1-654-010055-02	SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5 (FOR 114807)	6
2	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5 (FOR 116628)	6
3	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	4
4	1-861-010032-15	WASHER, FLAT 1/2W	16
5	107-0975	SCREW, SET LOCK 5/16-18 X 3/8	2
6	114808	TOOLBOX WELDMENT	1
7	114814	LATCH FOLDING T LOCKABLE	1
8	114815	SEAL, SPONGE RUBBER TRIM	7
9	115843	BAR, BACKUP TOOLBOX MOUNTING	2
10	115877	NUT, HEAVY HEX 1/4-20 GR5	4
11	116623	DOOR WELDMENT STEEL TOOLBOX (USED W/ 114807)	1
11	116624	DOOR WELDMENT ALUMINUM TOOLBOX (USED W/ 116628)	1
12	117860	BRACKET, WELDMENT TOOLBOX MOUNTING	2
13	153420	TOOLBOX LATCH SHIELD	1
14	RPRB59004X3H	BAR, ROUND 3/4 X 3-1/2 NYLATRON	2

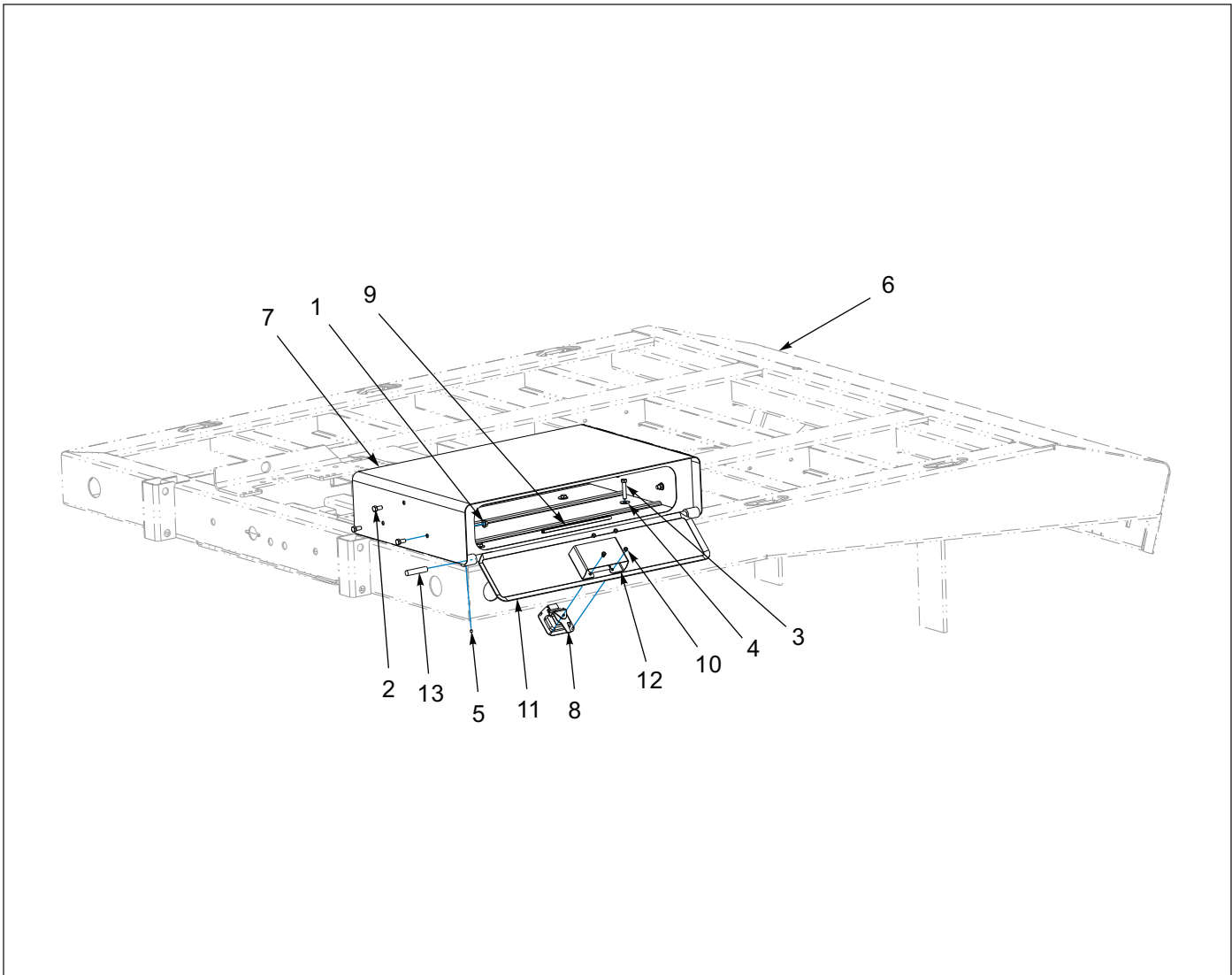


Figure 1-145: Toolbox Assembly-Upper Deck

Toolbox Assembly-Upper Deck

ITEM	PART NUMBER	DESCRIPTION	QTY.
	125399	UPPER DECK TOOLBOX INSTALLATION	
1	1-510-010003-09	NUT, FLANGE HEAD SERRATED 1/2-13	10
2	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5	6
3	1-654-010055-07	SCREW, HEX HEAD CAP 1/2-13 X 2-1/2 GR5	6
4	1-861-010032-15	WASHER, FLAT 1/2W	16
5	107-0975	SCREW, SET LOCK 5/16-18 X 3/8	2
6	-----	GOOSENECK WELDMENT	--
7	114808	TOOLBOX WELDMENT	1
8	114814	LATCH, FOLDING T LOCKABLE	1
9	114815	SEAL SPONGE RUBBER TRIM	7
10	115877	NUT, HEAVY HEX 1/4-20 GR5	4
11	116623	DOOR WELDMENT STEEL TOOLBOX	1
12	153420	TOOLBOX LATCH SHIELD	1
13	RPRB59004X3H	BAR ROUND, 3/4DIA X 3-1/2 NYLATRON	2

[illegible]

Tie Down-Options

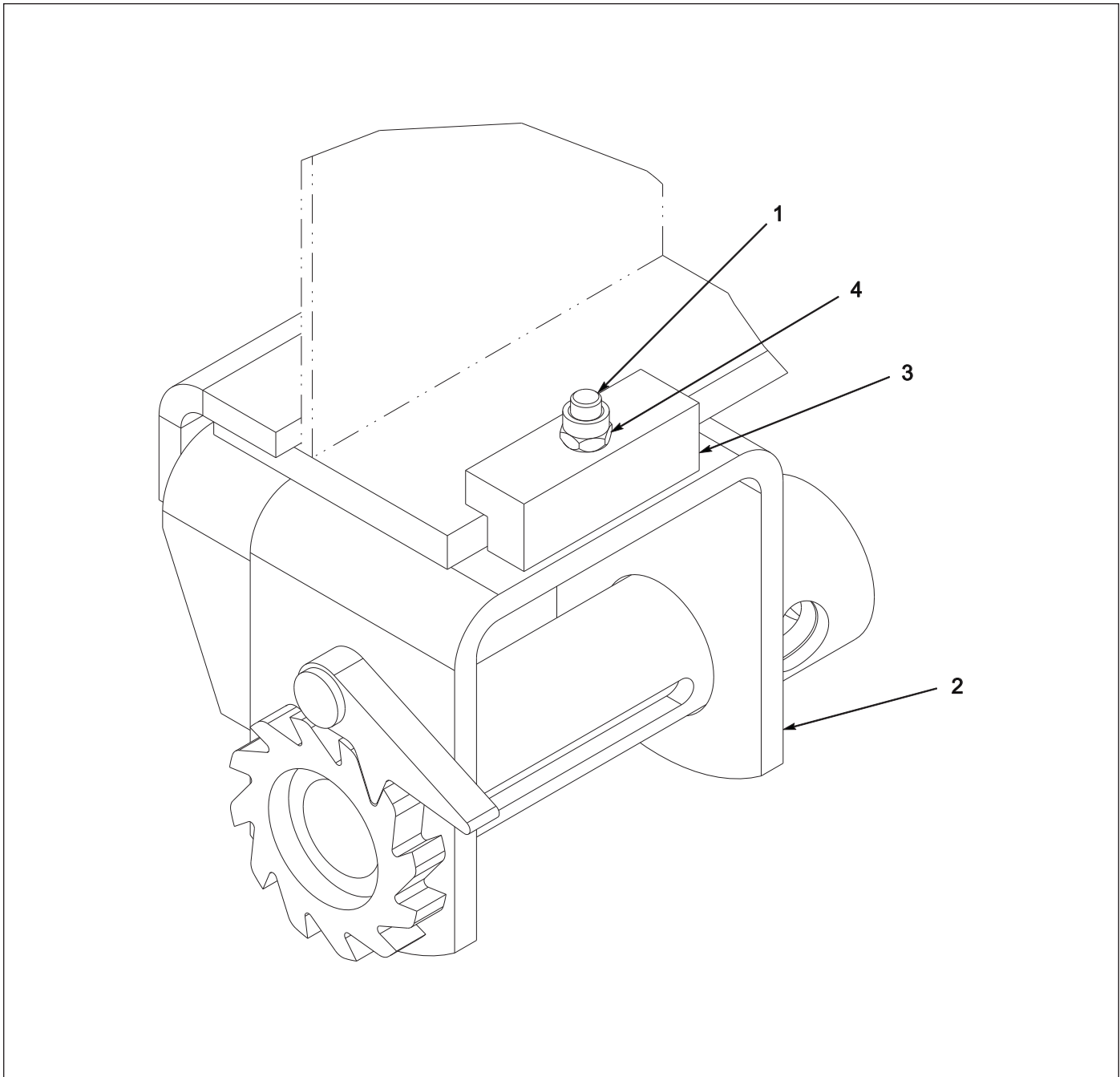


Figure 1-146: Winch Web, Sliding 4in

Winch Web, Sliding 4IN

ITEM	PART NUMBER	DESCRIPTION	QTY.
--	142923	WINCH ASSY 4IN WEBBING SLIDNG	--
1	134781	CLAMP SLIDING WEB WINCH	1
2	142924	WINCH WEBBING SLIDE MOD	1
3	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	1
4	1-654-010051-09	SCREW, HEX CAP, 3/8-16UNCX2 GR5	1

[illegible]

Upper Deck - Options

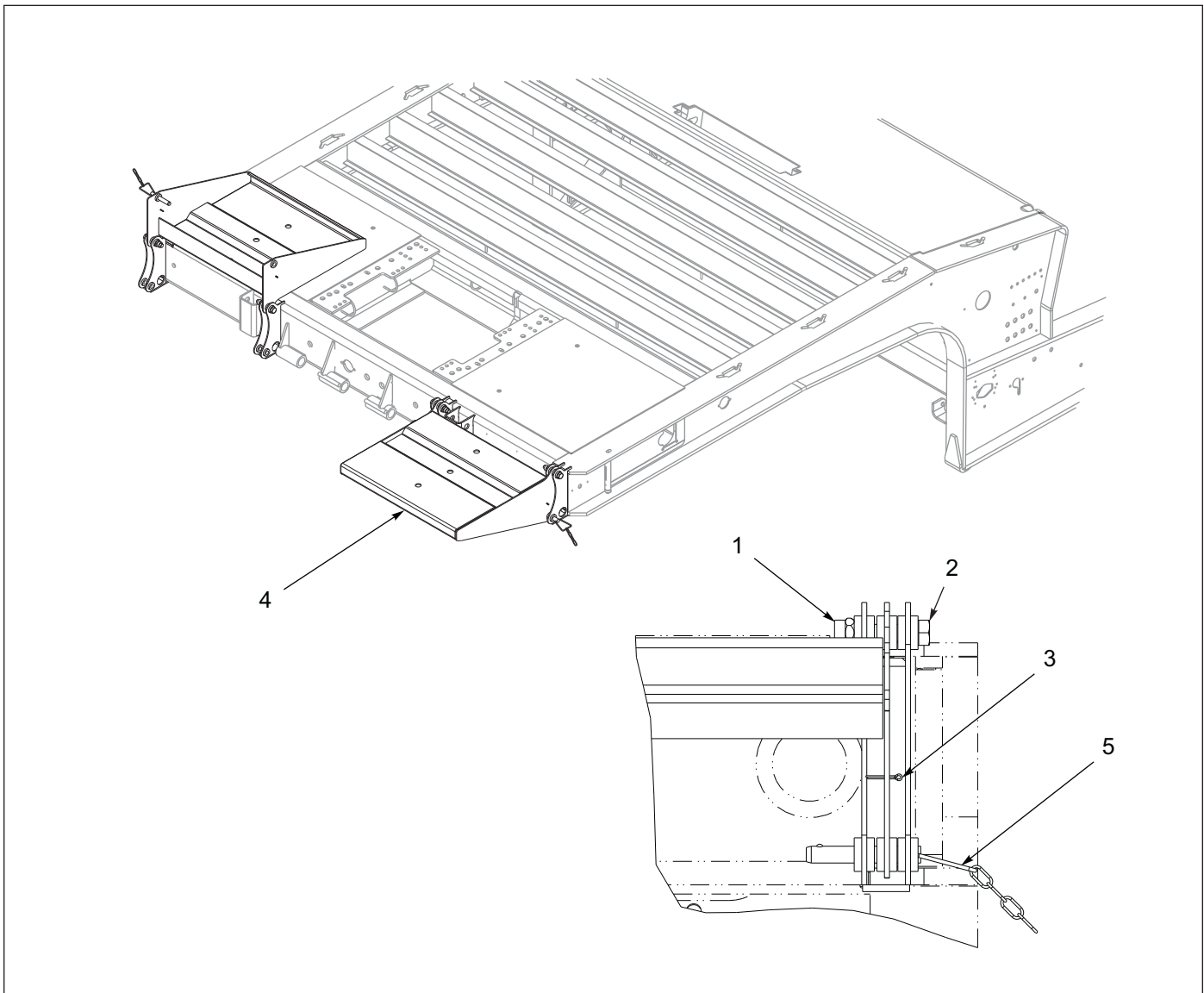


Figure 1-147: Front Flip Extension Assembly

Front Flip Extension Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY
--	130528	FRAME ASSY 835AG-R27 LED	--
--	130537	FRAME MOD FRONT FLIP 400SERIES	--
1	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	4
2	1-654-010059-11	SCREW,HX CP 5/8-11UNCX3.5GR5	4
3	101386	PIN, COTTER, 1/8X1	4
4	130540	EXTENSION WLDMT FT FLIP 400	2
5	2-557-010426	PIN,DETENT 5/8 DIA W/CHAIN	2

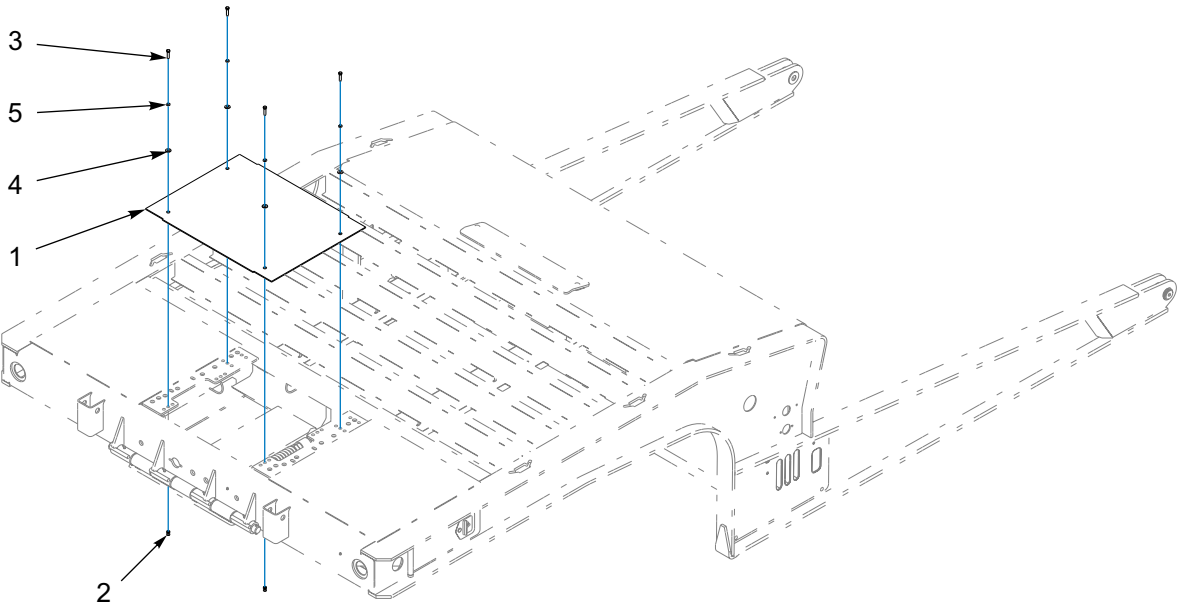


Figure 1-148: Upper Deck Cover Assembly

Upper Deck - Cover Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	137635	COVER ASSEMBLY, UPPER DECK	
1	137634	COVER, UPPER DECK	1
2	139254	NUTSERT, 3/8-16	4
3	1-654-010051-07	SCREW, HEX HEAD CAP 3/8-16 X 1-1/2 GR5	4
4	1-861-010032-11	WASHER, FLAT 3/8W	4
5	1-861-010034-11	WASHER, SPLIT LOCK 3/8	4
6	1-007-010025	PLUG, O-RING BOSS 3/4-16 (NOT SHOWN)	1

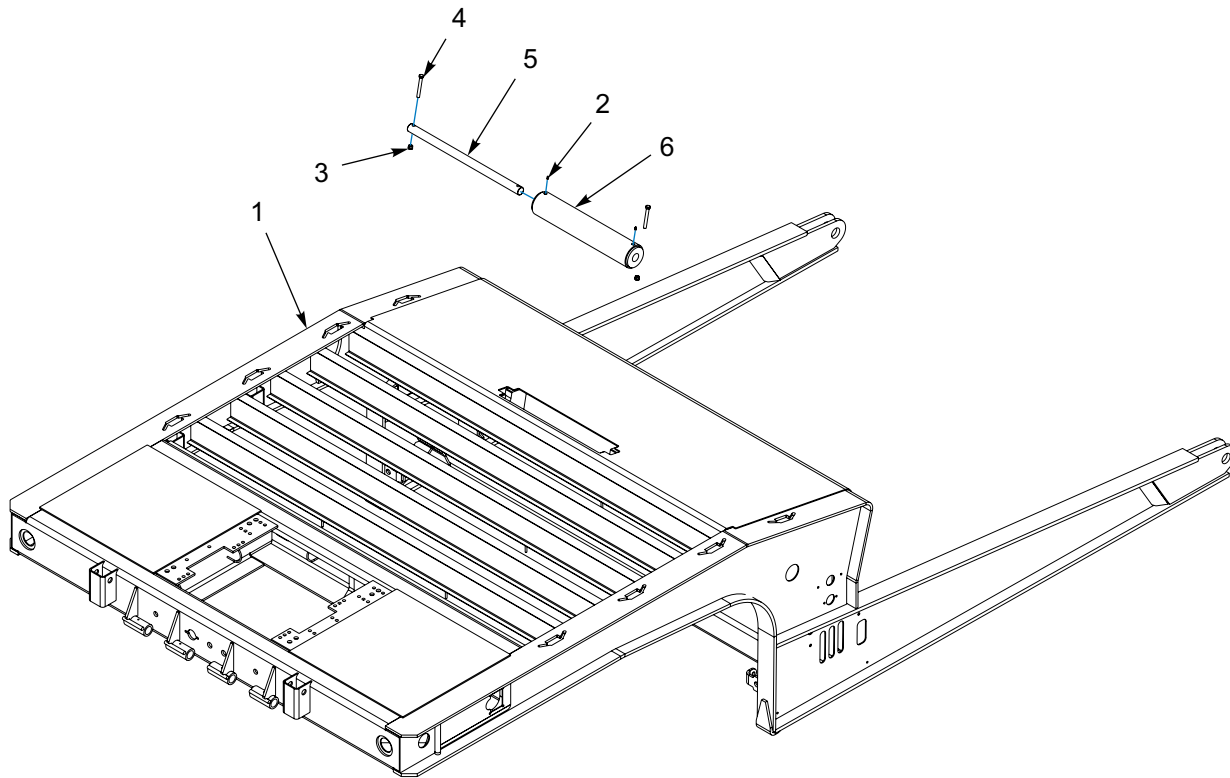


Figure 1-149: Upper Deck - Roller Installation

Upper Deck - Roller Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	131895	UPPER DECK ROLLER INSTALLATION	
1	130662	GOOSENECK WELDMENT	REF
2	1-298-010001-1	FITTING, GREASE 1/4-28 STR SHORT	2
3	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	2
4	1-654-010055-13	SCREW, HEX HEAD CAP 1/2-13 X 4 GR5	2
5	3-642-010134	ROLLER ROD	1
6	3-645-010059	ROLLER WELDMENT, CABLE U/D	1

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Winches - Options

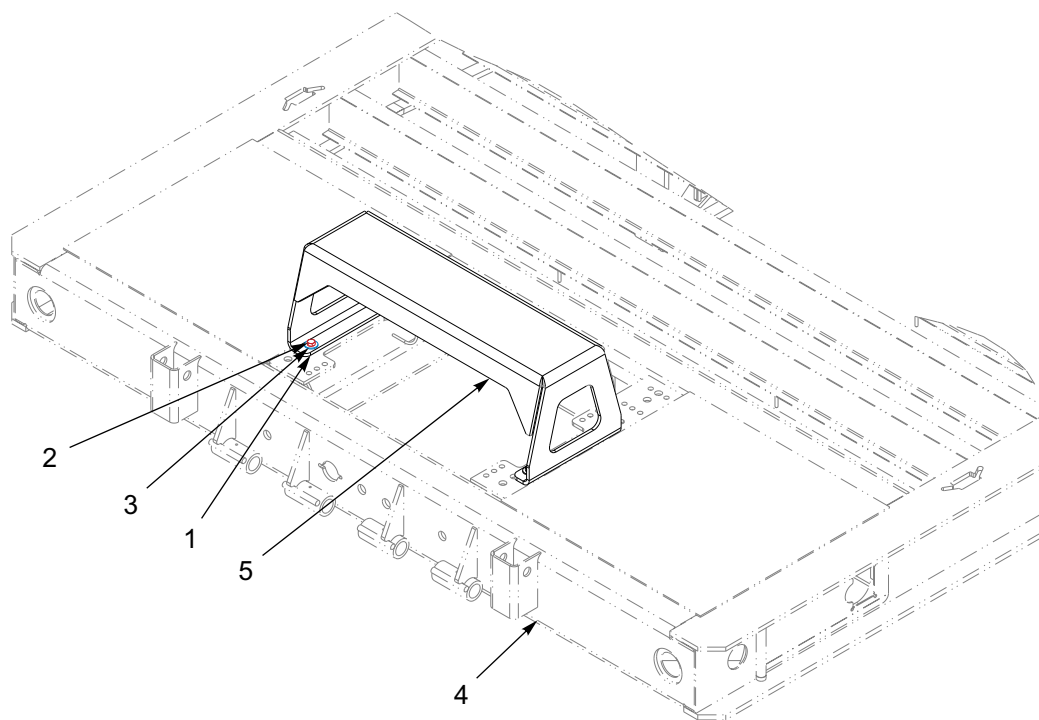


Figure 1-150: Guard Assembly, 12K/20K (BRADEN)

Guard Assembly, 12K/20K (BRADEN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	145598	12/20K WINCH GUARD INSTALLATION	
1	1-512-010005-09	NUT, HEX LOCK 1/2-13	4
2	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	4
3	1-861-010032-15	WASHER, FLAT 1/2	8
4	-----	GOOSENECK WELDMENT	REF
5	145599	GUARD, WINCH 12/20K BRADEN	1

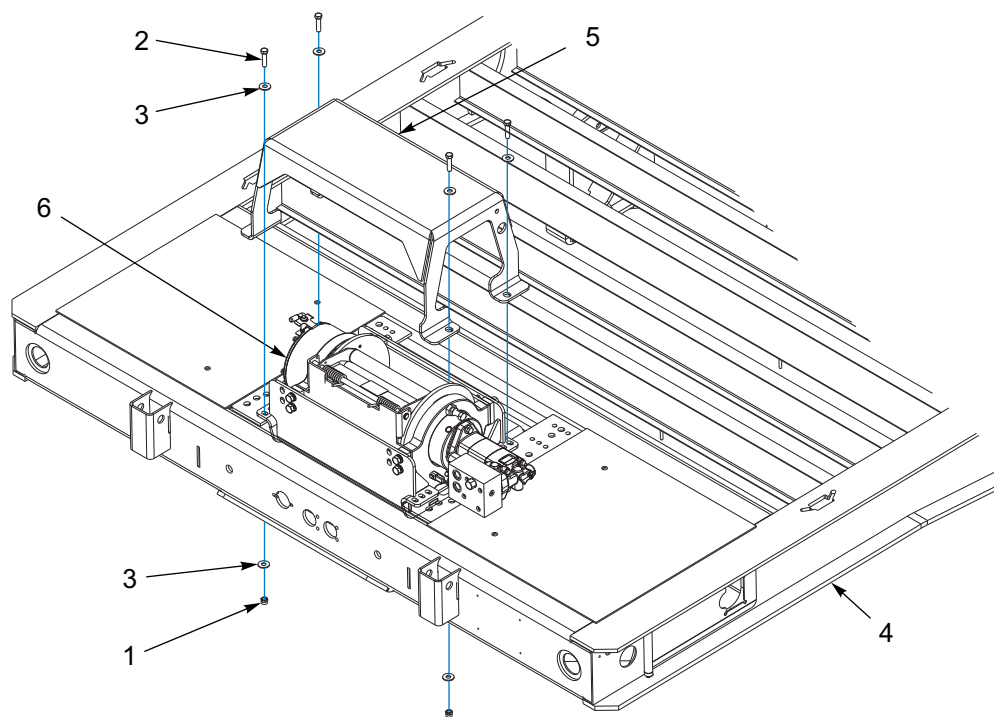


Figure 1-151: Guard Assembly, 20K/30K (WARN)

Guard Assembly, 20K/30K (WARN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191832	20K/30K WINCH GUARD INSTALLATION (REF. ONLY)	
1	1-512-010005-09	NUT, HEX LOCK 1/2-13	4
2	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	4
3	1-861-010032-15	WASHER, FLAT 1/2	8
4	174552	FRAME WELDMENT	REF
5	186901	WLDMT, GOOSENECK, US 400	REF
6	191831	GUARD, WINCH 20K/30K WARN	REF

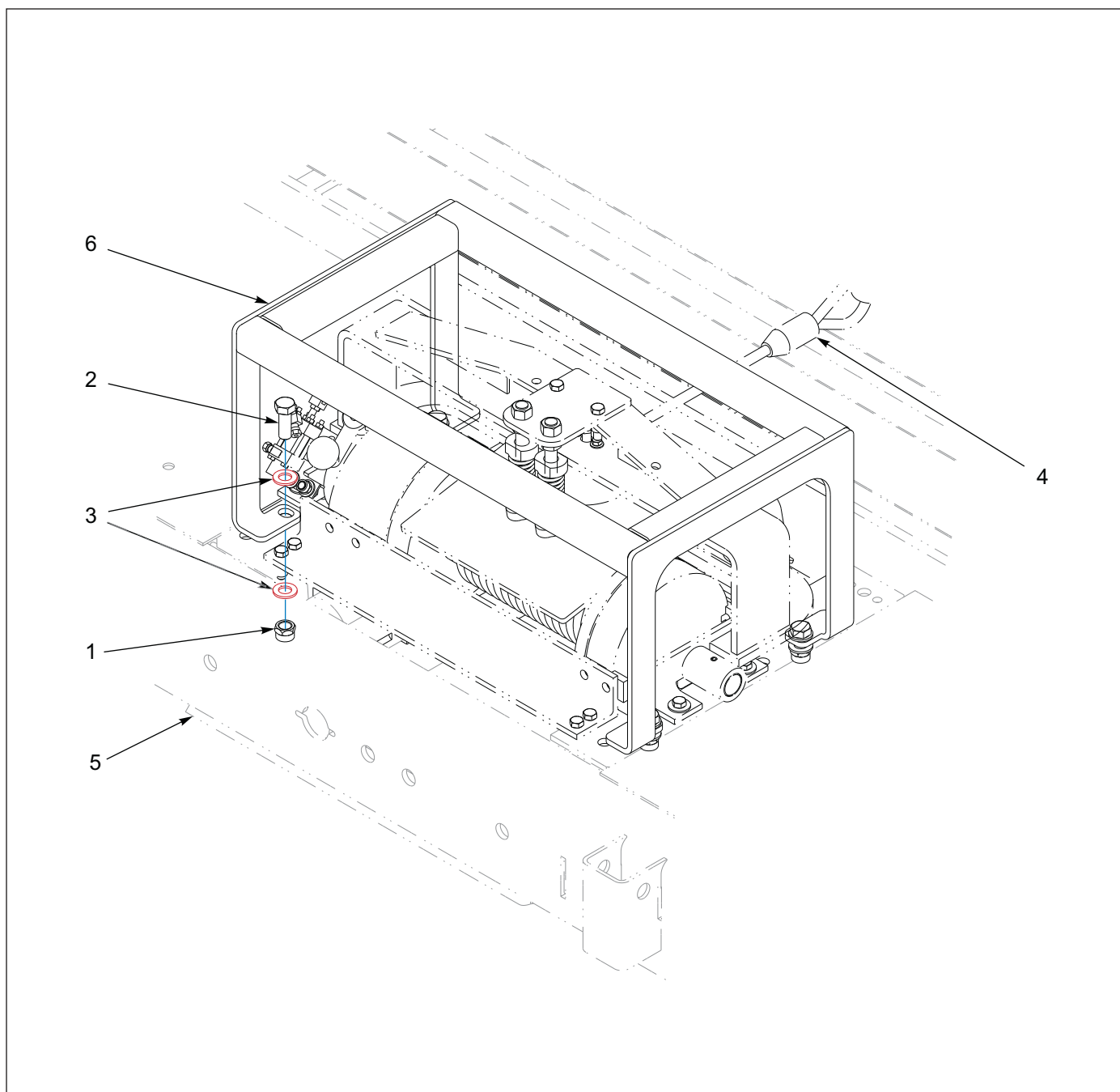


Figure 1-152: Guard Assembly, Pivot 20K

Guard Assembly, Pivot 20K

ITEM	PART NUMBER	DESCRIPTION	QTY.
	163769	GUARD INSTALLATION, WINCH 20K PIVOT	
1	1-512-010005-15	NUT, HEX LOCK 3/4-10 GRB	4
2	1-654-010061-05	SCREW, HEX HEAD CAP 3/4-10 X 2 GR5	4
3	1-861-010032-20	WASHER, FLAT, 3/4N	2
4	123210	WINCH, 20K GUIDE AIR TEN/REL	REF
5	-----	GOOSENECK WELDMENT	REF
6	163770	MOUNT WELDMENT, HORIZONTAL SPARE TIRE	1

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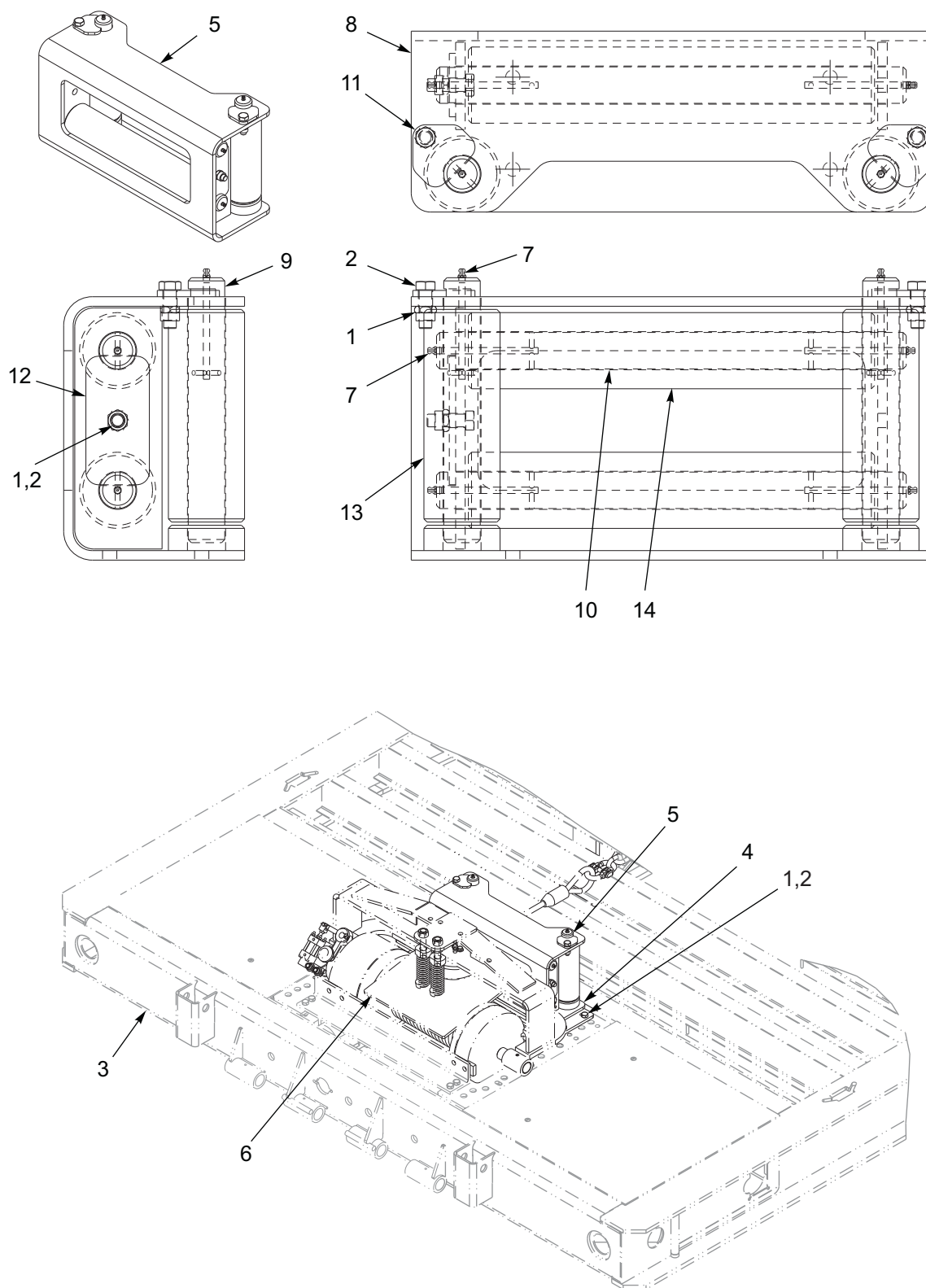


Figure 1-153: Guide Assembly, 4 Roller 20K(BRADEN)

Guide Assembly, 4 Roller 20K (BRADEN)

ITEM	PART NUMBER	DESCRIPTION	QTY.
--	145589	4 ROLLER GUIDE INSTALLATION	--
1	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	11
2	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	11
3	130662	GOOSENECK WELDMENT	--
4	145588	PLATE, ROLLER GUIDE MOUNT	1
5	3-352-010067-2	GUIDE ASSEMBLY, WINCH (INCLUDES ITEMS 1-2, 7-14)	1
6	3-873-010140-01	WINCH INSTALLATION, 20K UPPER DECK	--
7	1-298-010001-1	FITTING, GREASE STR SHORT 1/4-28	6
8	3-120-010494	BRACKET WELDMENT, 20K WINCH GUIDE	1
9	3-557-010543	PIN, VERTICAL ROLLER 20K GUIDE	2
10	3-557-010544	PIN, HORIZONTAL ROLLER 20K GUIDE	2
11	3-565-011792	PLATE, GUIDE LOCK TOP	2
12	3-565-011793	PLATE, GUIDE LOCK SIDE	1
13	3-645-010087	ROLLER, VERTICAL 20K WINCH GUIDE	2
14	3-645-010088	ROLLER, HORIZONTAL 20K WINCH GUIDE	2

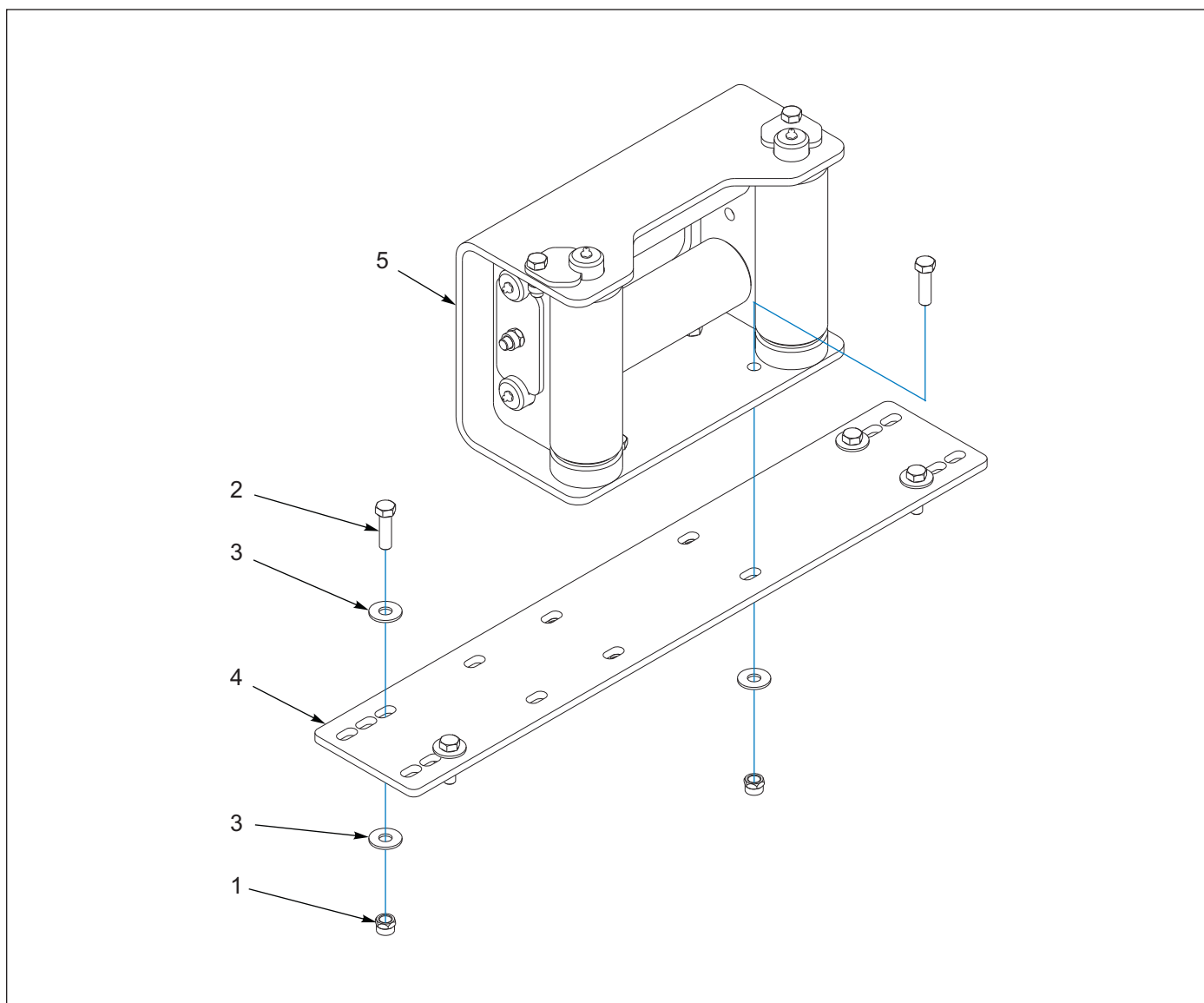


Figure 1-154: Guide Assembly, 4 Roller 12K (BRADEN) Installation

Guide Assembly, 4 Roller 12K (BRADEN) Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
--	161155	4 ROLLER GUIDE INSTALLATION, 12K BRADEN	--
1	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	8
2	1-654-010055-04	SCREW, HEX HEAD CAP 1/2-13 X 1-3/4 GR5	8
3	1-861-010032-15	WASHER, FLAT 1/2W	12
4	145588	PLATE, ROLLER GUIDE MOUNT	1
5	161150	GUIDE ASSEMBLY, WINCH 12K BRADEN	1

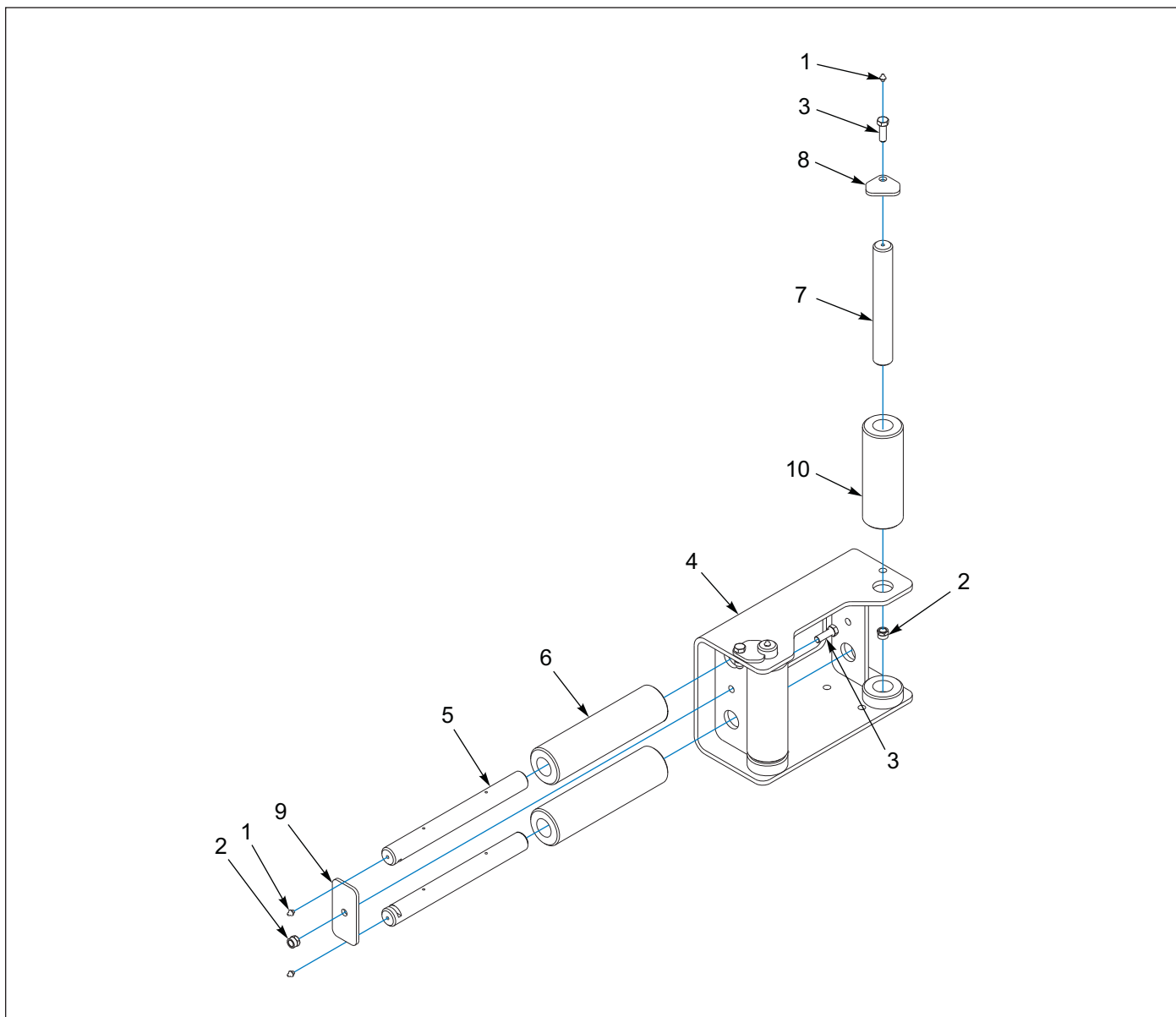


Figure 1-155: Guide Assembly, 4 Roller 12K (BRADEN) Assembly

Guide Assembly, 4 Roller 12K (BRADEN) Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
--	161150	GUIDE ASSEMBLY, WINCH 12K (BRADEN)	--
1	1-298-010001-1	FITTING, GREASE STR SHORT 1/4-28	6
2	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	11
3	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	3
4	161151	BRACKET WELDMENT, WINCH GUIDE	1
5	161153	PIN, HORIZONTAL ROLLER GUIDE	2
6	161154	ROLLER, HORIZONTAL WINCH GUIDE	2
7	3-557-010543	PIN, VERTICAL ROLLER 20K GUIDE	2
8	3-565-011792	PLATE, GUIDE LOCK TOP	2
9	3-565-011793	PLATE, GUIDE LOCK SIDE	1
10	3-645-010087	ROLLER, VERTICAL 20K WINCH GUIDE	2

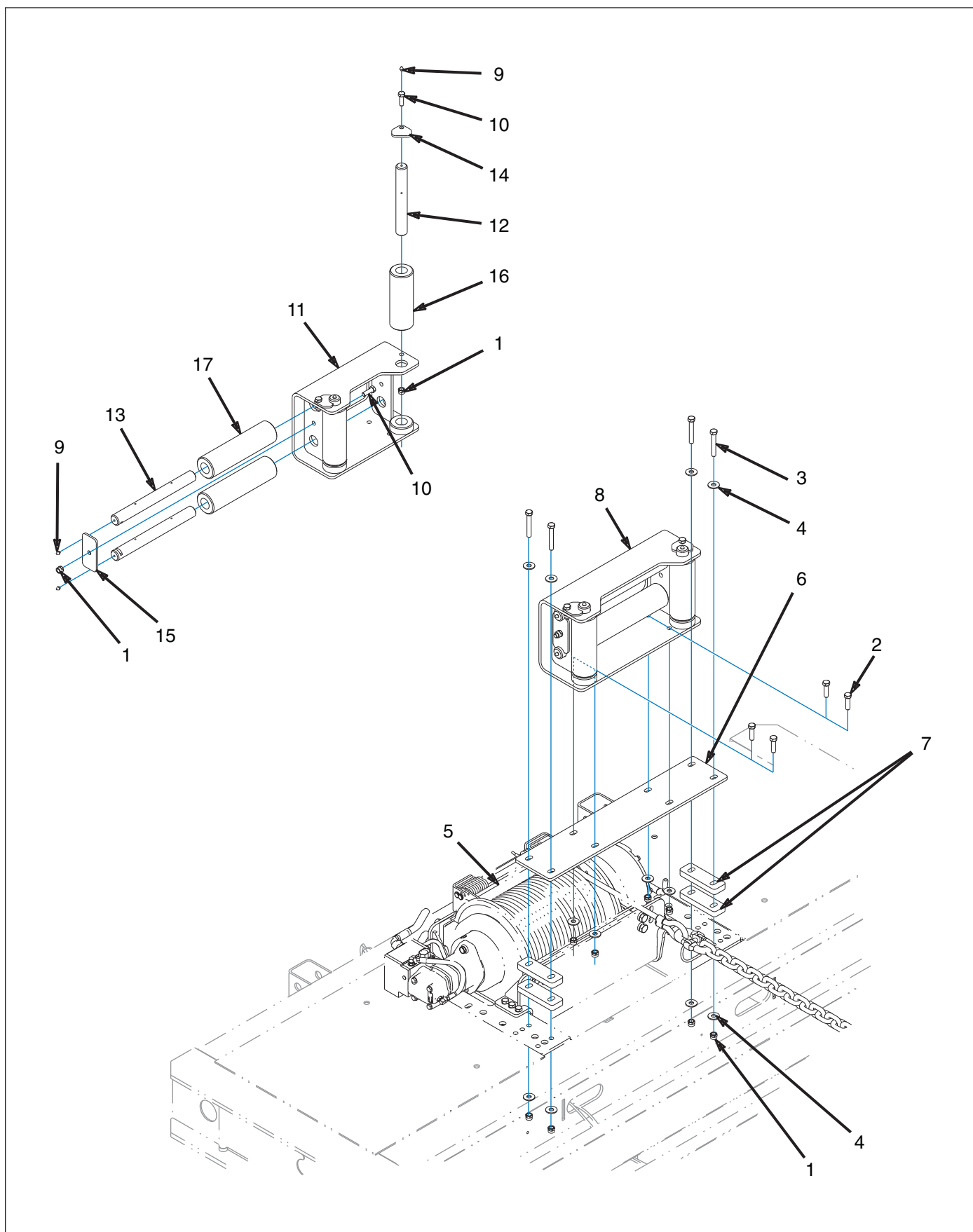


Figure 1-156: Guide Assembly, 4 Roller 20K/30K (WARN)

Guide Assembly, 4 Roller 20K/30K (WARN)

ITEM	PART NO.	DESCRIPTION	QTY.
--	162258	4 ROLLER GUIDE INSTALLATION (WARN)	--
1	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	11
2	1-654-010055-04	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	4
3	1-654-010055-10	SCREW, HEX HEAD CAP 1/2-13 X 3-1/4 GR5	4
4	1-861-010032-15	WASHER, FLAT 1/2W	12
5	151818	WINCH INSTALLATION, 20K WARN	--
5	155411	WINCH INSTALLATION, 30K WARN	--
6	162259	PLATE, ROLLER GUIDE	1
7	162260	PLATE, ROLLER SPACER	4
8	3-352-010067-2	GUIDE ASSEMBLY, WINCH (INCLUDES ITEMS 1, 9-17)	1
9	1-298-010001-1	FITTING, GREASE STR SHORT 1/4-28	6
10	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	3
11	3-120-010494	BRACKET WELDMENT, 20K WINCH GUIDE	1
12	3-557-010543	PIN, VERTICAL ROLLER 20K GUIDE	2
13	3-557-010544	PIN, HORIZONTAL ROLLER 20K GUIDE	2
14	3-565-011792	PLATE, GUIDE LOCK TOP	2
15	3-565-011793	PLATE, GUIDE LOCK SIDE	1
16	3-645-010087	ROLLER, VERTICAL 20K WINCH GUIDE	2
17	3-645-010088	ROLLER, HORIZONTAL 20K WINCH GUIDE	2

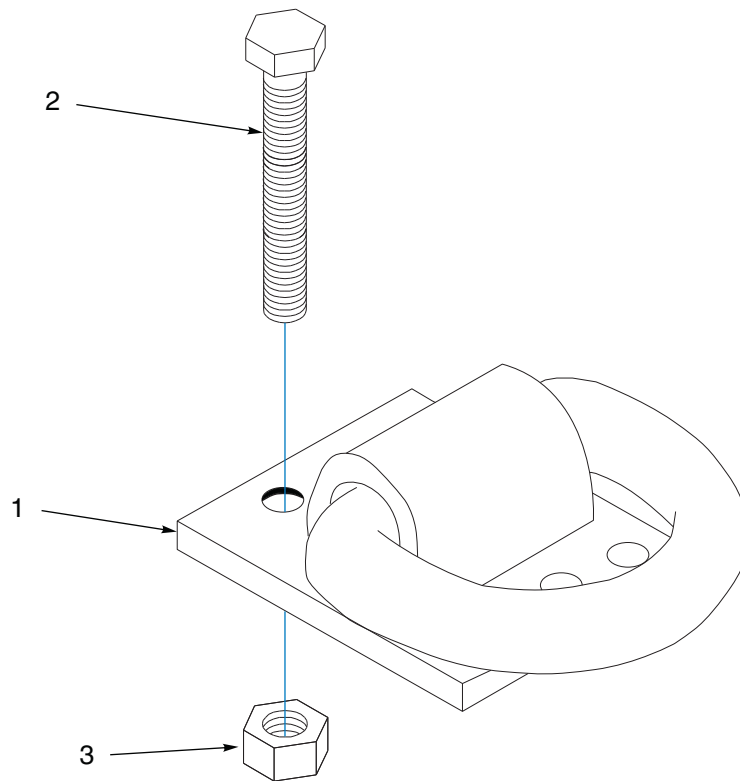


Figure 1-157: Tie Down Assembly, D-Ring

Tie Down Assembly, D-Ring

ITEM	PART NO.	DESCRIPTION	QTY.
--	3-793-010041	TIE DOWN INSTALLATION WINCH D-RING	--
1	3-793-010040	TIE DOWN, WINCH	1
2	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	6
3	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	6

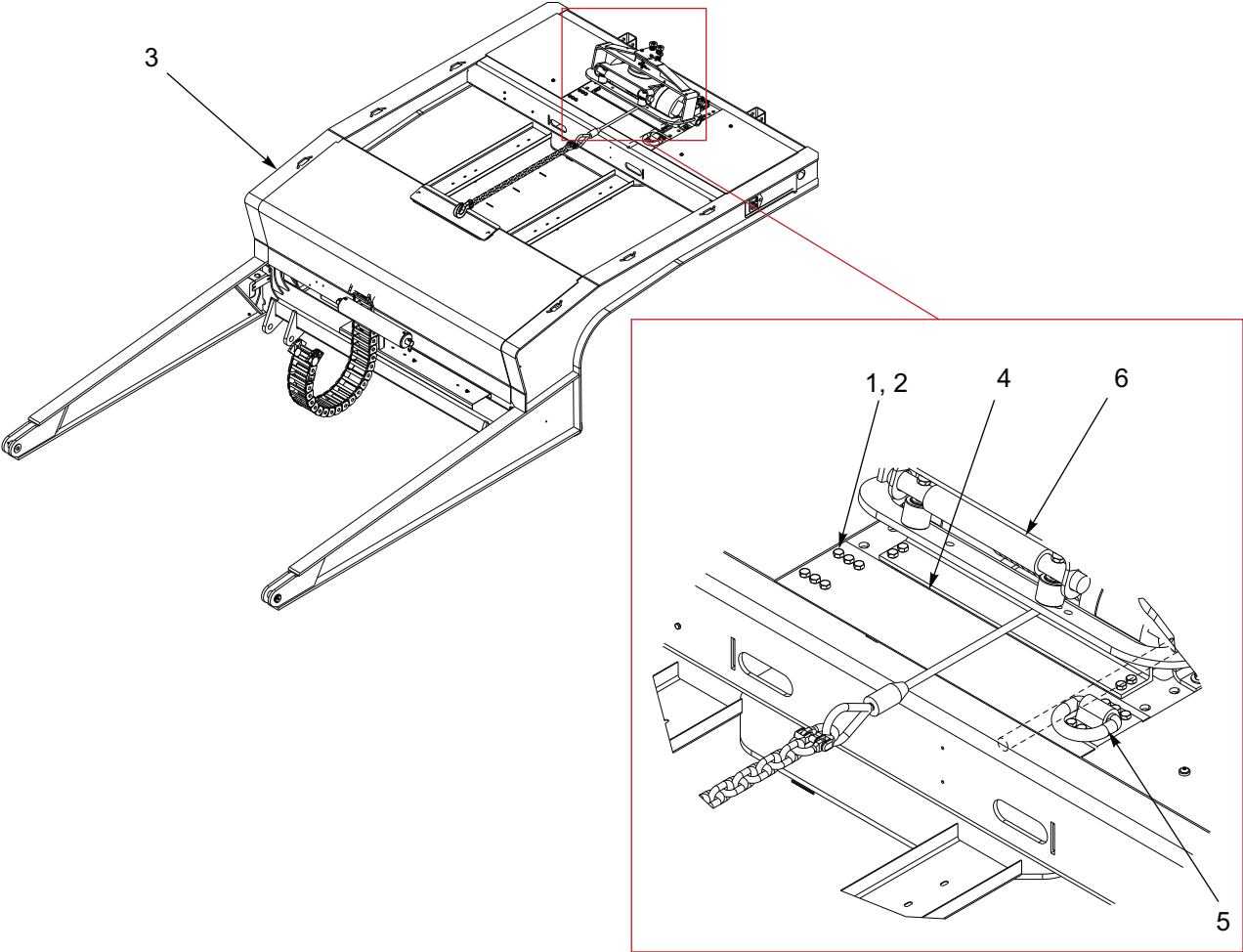


Figure 1-158: Trim Plate Installation

Trim Plate Installation

ITEM	PART NUMBER	DESCRIPTION	QTY.
	166767	WINCH TRIM PLATE INSTALLATION	
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	4
2	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
4	195882	FRAME ASSY, 930-36 (REF. ONLY)	REF
5	204160	PLATE, WINCH TRIM REAR WINCH	1
6	3-873-010140-06	WINCH 660-20AT-AS-CR WL ONLY	REF

Misc-Options

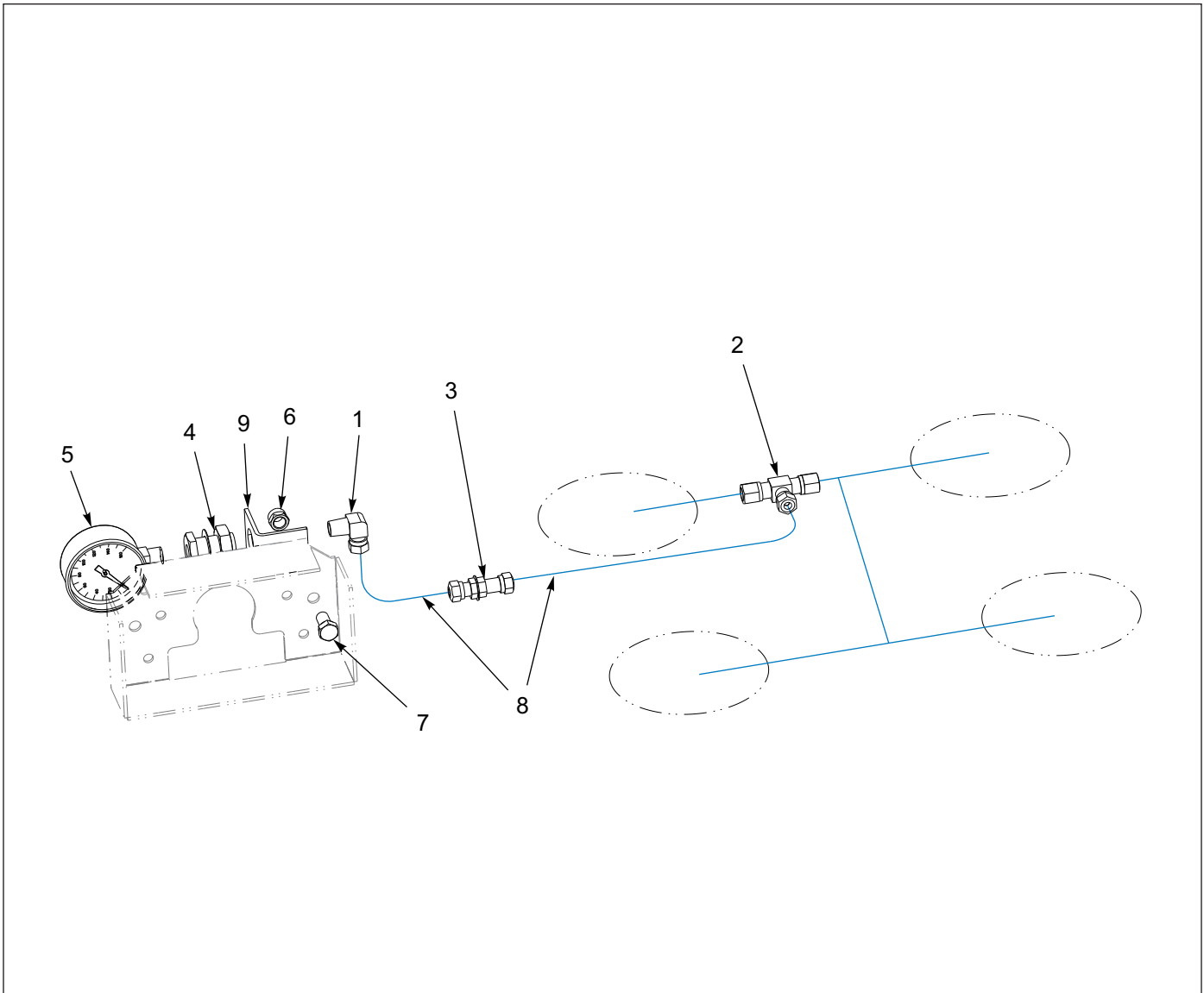


Figure 1-159: Suspension Air Pressure Gauge Assembly

Suspension Air Pressure Gauge Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128601	PRESSURE GAUGE INSTALLATION	
1	1-297-010008-07	FITTING, AIR 90	1
2	1-297-010010-04	FITTING, AIR UNION TEE	1
3	1-297-010014-02	FITTING, AIR	1
4	1-297-010022-02	FITTING, AIR ANCHOR	1
5	1-323-010008	GAUGE, PRESSURE 0 - 160 PSI	1
6	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	1
7	1-654-010051-03	SCREW, HEX HEAD CAP 3/8-16 X 3/4 GR5	1
8	1-833-010001	TUBING NYLON 3/8	50
9	3-120-010445	BRACKET, PRESSURE REGULATOR	1

[illegible]

105481 1-39, 1-186, 1-200, 1-203

Symbols

#242 LOCKTITE 1-48, 1-54, 1-87, 1-131

Numerics

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 005-079-00 1-89, 1-97
 005-096-00 1-97
 005-097-00 1-97
 006-115-00 1-86, 1-91, 1-93, 1-99
 007-139-00 1-89, 1-97
 014-065-00 1-97
 014-068-00 1-89, 1-97
 034-031-00 1-89
 034-032-00 1-89, 1-97
 034-047-00 1-97
 034-048-00 1-89, 1-97
 040-180-00 1-97
 046-096-00 1-97
 046-097-00 1-89, 1-97
 056-017-00 1-89, 1-97
 056-018-00 1-89, 1-97
 061-003-00 1-89, 1-97
 069-078-00 1-89, 1-97
 071-122-00 1-97
 100062 1-23
 10030 1-186
 100402 1-101
 100600 1-7, 1-121, 1-127, 1-131
 1-007-010006 1-203
 1-007-010025 1-196, 1-255
 10078 1-124, 1-135
 100823 1-11
 100939 1-11
 101003 1-103, 1-105

101014 1-23, 1-149
 10109 1-187, 1-193
 101386 1-242, 1-254
 101528 1-57, 1-59, 1-63, 1-65, 1-67, 1-71
 101847 1-89, 1-97, 1-106
 101848 1-106
 101849 1-97, 1-106
 101855 1-7
 101864 1-176
 102-0204 1-193
 102186 1-127
 102187 1-131
 102188 1-131
 102361 1-79
 102363 1-47, 1-53, 1-73, 1-75, 1-79
 102364 1-47, 1-53, 1-79
 102732 1-73, 1-75, 1-76
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 103082 1-233, 1-234
 103103-002 1-86, 1-91, 1-93, 1-99
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 103805 1-89, 1-97
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 103841 1-236
 103861 1-106
 103988 1-171, 1-173
 104-1003 1-124
 104243 1-152
 1046 1-139
 105106 1-86, 1-91, 1-93, 1-99
 105107 1-86, 1-91, 1-99
 105408 1-79
 105479 1-39, 1-186, 1-200, 1-203
 105480 1-39, 1-186, 1-200, 1-203

105482	1-39, 1-186, 1-200, 1-203	108801	1-39, 1-131, 1-141, 1-146, 1-149
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106-0006	1-117	109004	1-11
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106760	1-203	109138	1-11, 1-48, 1-54
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107732	1-48, 1-54	110452	1-124, 1-136
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1-297-010007-16 1-40	130896 1-157
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1-297-010019-05 1-132, 1-149	134781 1-252
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1-297-010032-03 1-132	135184 1-131, 1-141
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129985 1-227	135398 1-227
130266 1-169	135613 1-11, 1-48, 1-54
13028 1-124, 1-136	135614 1-11
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130282 1-236	136224 1-23
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138962	1-110, 1-114	141710	1-168
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139256	1-153	142486	1-205, 1-207, 1-209

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142547	1-91	147471	1-194
142550	1-91	148239	1-207
142553	1-57, 1-59, 1-65, 1-67	148240	1-209
142891	1-114	148241	1-121, 1-127
142923	1-252	148585	1-179
142924	1-252	148949	1-196
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143101	1-35, 1-161, 1-179, 1-210, 1-232, 1-233, 1-234, 1-235	149526	1-207, 1-209
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143123	1-35	150076	1-12
143161	1-205	150093	1-35, 1-161, 1-232, 1-233, 1-234, 1-235
143162	1-205	150111	1-35, 1-146, 1-166, 1-178
143163	1-23, 1-25, 1-39	150114	1-166
143167	1-35, 1-161	150116	1-178
143246	1-131	150117	1-35, 1-146, 1-149, 1-159, 1-161, 1-164, 1-166, 1-216
143649	1-57, 1-59, 1-65, 1-67	150346	1-101
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145588	1-263, 1-264	1-512-010005-01	1-11, 1-15, 1-25, 1-35, 1-47, 1-53, 1-73, 1-76, 1-110, 1-114, 1-178, 1-179, 1-192, 1-211, 1-232, 1-233, 1-234, 1-235, 1-239
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145599	1-258		
146897	1-179		
146929	1-161, 1-179		
147464	1-106		
147468	1-194		

1-512-010005-09 . . . 1-11, 1-47, 1-53, 1-121, 1-127, 1-131, 1-137, 1-141, 1-157, 1-159, 1-168, 1-177, 1-186, 1-193, 1-194, 1-196, 1-198, 1-203, 1-218, 1-242, 1-245, 1-249, 1-256, 1-258, 1-259, 1-263, 1-264, 1-265, 1-267, 1-268	161150 1-264, 1-265
1-512-010005-13 . . . 1-11, 1-47, 1-53, 1-131, 1-152, 1-153, 1-254	161151 1-265
1-512-010005-15 1-47, 1-53, 1-237, 1-260	161153 1-265
1-512-010005-19 1-195, 1-236	161154 1-265
1-512-010007-03 . . . 1-35, 1-73, 1-75, 1-159, 1-248	161155 1-264
1-512-010007-05 1-11, 1-47, 1-53, 1-75, 1-89, 1-97, 1-131, 1-137	162207 1-147, 1-151
1-512-010007-09 1-79	162208 1-147
1-512-010007-12 1-131	162210 1-147, 1-151
151818 1-267	162211 1-147, 1-151
151823 1-207, 1-209	162213 1-147
153102 1-159	162214 1-147
153366 1-93	162215 1-147, 1-151
153402 1-86, 1-93	162216 1-147, 1-151
153408 1-93	162217 1-151
153409 1-86, 1-93	162218 1-147, 1-151
153420 1-249, 1-250	162219 1-147, 1-151
153754 1-157	162220 1-147
153755 1-157	162258 1-267
154166 1-135	162259 1-267
155411 1-267	162260 1-267
1-557-010014 1-157	162415 1-131
1-557-010362-63 1-157, 1-163, 1-194	162941 1-147, 1-151
155780 1-7	162942 1-151
1-560-010002-01 1-29	162943 1-151
1-560-010002-03 1-103, 1-105, 1-186	162944 1-151
1-560-010002-04 . 1-40, 1-103, 1-105, 1-193, 1-203	162945 1-151
1-560-010002-05 1-103, 1-105, 1-203	1-630-010021-01 1-23
1-560-010002-07 1-203	1-630-010021-02 1-11, 1-47, 1-53
156010 1-7	163472 1-135
156171 1-192	163502 1-155
156173 1-192	163769 1-260
1-578-010015-04 1-159	163770 1-260
159001 1-97	163790 1-237
160084 1-177	163791 1-237
	163996 1-159, 1-161, 1-164, 1-216
	164052 1-35, 1-161, 1-164, 1-216
	164053 1-146, 1-149
	1-647-010004255 1-131

1-647-010004259	1-17, 1-19	1-654-010059-03	1-152, 1-153
1-654-010024014	1-27, 1-29, 1-31	1-654-010059-05	1-152
1-654-010024055	1-131	1-654-010059-11	1-11, 1-47, 1-53, 1-254
1-654-010036-05	1-131	1-654-010059-15	1-131
1-654-010047-03	1-211, 1-239	1-654-010061-05	1-237, 1-260
1-654-010047-04	1-76, 1-114, 1-235	1-654-010061-21	1-47, 1-53
1-654-010047-06 ...	1-35, 1-73, 1-75, 1-110, 1-178, 1-179, 1-186	1-654-010065-15	1-236
1-654-010047-07	1-25, 1-232, 1-233, 1-234	1-654-010070-03	1-218
1-654-010047-09	1-15, 1-193	1-654-010089-13	1-168
1-654-010049-03	1-41, 1-86, 1-91, 1-93, 1-99, 1-227	1-654-010141-04	1-131
1-654-010049-05	1-11	1-654-010147-06	1-11
1-654-010049-06	1-35	1-654-010150-05	1-11, 1-47, 1-53
1-654-010051-03	1-47, 1-53, 1-225, 1-270	1-654-010158-1	1-11, 1-35, 1-47, 1-53
1-654-010051-05 ...	1-21, 1-25, 1-86, 1-153, 1-239, 1-241, 1-245, 1-247	1-655-010003-05	1-230
1-654-010051-06	1-15, 1-57, 1-59, 1-65, 1-67, 1-86, 1-121, 1-127, 1-157, 1-186, 1-193, 1-203	1-656-010003051 ...	1-27, 1-35, 1-73, 1-75, 1-159, 1-248
1-654-010051-07	1-21, 1-163, 1-193, 1-227, 1-255	1-656-010003053	1-159
1-654-010051-08	1-103, 1-105, 1-211	166421	1-141, 1-142
1-654-010051-09	1-27, 1-186, 1-193, 1-252	166766	1-187, 1-192
1-654-010051-10	1-63, 1-71, 1-153	166767	1-269
1-654-010051-11	1-47, 1-53	166924	1-232
1-654-010051-13	1-47, 1-53	167521	1-147
1-654-010051-14	1-214, 1-215	167975	1-159
1-654-010051-15	1-49, 1-163	168593	1-110, 1-117, 1-118
1-654-010055-01	1-131, 1-137, 1-249, 1-250	168610	1-110, 1-114, 1-117
1-654-010055-02	1-195, 1-249	168611	1-117
1-654-010055-03	1-131, 1-146, 1-157, 1-159, 1-186, 1-193, 1-194, 1-198, 1-203, 1-242, 1-245, 1-249, 1-263, 1-265, 1-267, 1-268, 1-269	168612	1-117
1-654-010055-04	1-121, 1-124, 1-127, 1-131, 1-141, 1-159, 1-203, 1-264, 1-267	168613	1-117
1-654-010055-05 ...	1-11, 1-47, 1-53, 1-131, 1-196, 1-258, 1-259	168614	1-117
1-654-010055-07	1-250	168616	1-110, 1-114, 1-117
1-654-010055-09	1-198	168617	1-117
1-654-010055-10	1-195, 1-267	168618	1-110, 1-114, 1-117
1-654-010055-13	1-157, 1-177, 1-186, 1-256	169365	1-39
1-654-010055-16	1-121, 1-127	169531	1-187, 1-192
		169532	1-187, 1-192
		169639	1-236
		169641	1-236
		169853	1-161, 1-164, 1-216

170109	1-187, 1-192	176440	1-211
170110	1-187, 1-192	176473	1-118
170111	1-192	176476	1-118
170112	1-192	176477	1-118
170470	1-235	176478	1-118
170471	1-235	176479	1-118
171159	1-235	178382	1-146
171160	1-235	178383	1-146
171161	1-235	178384	1-211
171320	1-229	178389	1-211, 1-214, 1-215
171892	1-48, 1-54	178393	1-239
172804	1-245	178428	1-187, 1-192
172877	1-151	178444	1-21
172878	1-149	178592	1-110, 1-114, 1-117
172882	1-211, 1-214, 1-215	178638	1-187, 1-192
173860	1-187, 1-192	178714	1-151
174043	1-146	178715	1-147, 1-151
174061	1-239	178716	1-151
174092	1-239	178717	1-151
174188	1-141, 1-146, 1-149	178718	1-147
174552	1-149, 1-259	178999	1-147
174553	1-146	179000	1-147
174598	1-248	179001	1-147
175358	1-232	179002	1-38
175359	1-232, 1-233, 1-234	179085	1-210
175360	1-232	179088	1-210
175363	1-232	179089	1-210
175364	1-232, 1-233, 1-234	179090	1-187, 1-192
175365	1-232, 1-233, 1-234	1-796-010003-01	1-63, 1-71
175625	1-242	1-796-010003-02	1-210
175632	1-242	179902	1-161, 1-166
175989	1-248	179906	1-35
176069	1-15	179933	1-237
176420	1-210, 1-211	179955	1-86, 1-91, 1-99
176421	1-211	18002	1-124, 1-136
176424	1-211, 1-214, 1-215	18009	1-123
176425	1-211, 1-214, 1-215	18015	1-123
176432	1-210	18016	1-123

18019	1-123	1-833-010001 . . .	1-25, 1-27, 1-29, 1-31, 1-73, 1-75, 1-110, 1-114, 1-117, 1-132, 1-146, 1-149, 1-229, 1-235, 1-270
18020	1-123	1-833-010002 . .	1-25, 1-29, 1-31, 1-73, 1-75, 1-103, 1-105, 1-229
18022	1-135	1-833-010003	1-25, 1-29, 1-31, 1-103, 1-105, 1-141, 1-146, 1-229
180221	1-232	183413	1-35, 1-110, 1-114, 1-117
180222	1-117	183665	1-218
180223	1-117	183670	1-218
180224	1-117	184138	1-49
180225	1-117	1-843-010014	1-47, 1-53, 1-101
180227	1-117	184392	1-232
180228	1-117	184501	1-159, 1-161
180229	1-117	1-861-010032-01	1-27, 1-29, 1-31, 1-35
18024	1-123	1-861-010032-03	1-159, 1-248
18026	1-123	1-861-010032-06	1-25
18027	1-123	1-861-010032-07 .	1-11, 1-35, 1-47, 1-53, 1-73, 1-75, 1-110, 1-114, 1-178, 1-179, 1-193, 1-232, 1-233, 1-234, 1-235, 1-239
18028	1-123	1-861-010032-08	1-11, 1-41
18029	1-124	1-861-010032-09	1-35
18030	1-123	1-861-010032-10 . .	1-63, 1-71, 1-121, 1-127, 1-131, 1-193, 1-211, 1-214, 1-215, 1-225, 1-227, 1-230, 1-241, 1-245, 1-247
18032	1-123	1-861-010032-11 .	1-21, 1-23, 1-25, 1-47, 1-53, 1-57, 1-59, 1-65, 1-67, 1-103, 1-105, 1-153, 1-157, 1-163, 1-171, 1-173, 1-176, 1-186, 1-193, 1-227, 1-255
18033	1-135	1-861-010032-14	1-131, 1-137, 1-141, 1-146, 1-149, 1-194, 1-242
18034	1-135	1-861-010032-15 . . .	1-11, 1-47, 1-53, 1-121, 1-127, 1-131, 1-146, 1-157, 1-159, 1-168, 1-186, 1-193, 1-195, 1-196, 1-198, 1-218, 1-242, 1-245, 1-249, 1-250, 1-258, 1-259, 1-264, 1-267, 1-269
18035	1-135	1-861-010032-18	1-131
18039	1-123	1-861-010032-19	1-11, 1-47, 1-53, 1-153
18044	1-123	1-861-010032-20	1-237, 1-260
18047	1-123, 1-135	1-861-010032-21	1-47, 1-53, 1-236
18056	1-124	1-861-010034-07	1-35, 1-73, 1-75, 1-159, 1-248
180570	1-161	1-861-010034-09	1-11, 1-47, 1-53, 1-73, 1-75, 1-132, 1-137, 1-186
18078	1-123	1-861-010034-10	1-41, 1-86, 1-91, 1-93, 1-99
180839	1-110, 1-114		
180840	1-110, 1-114		
181546	1-221		
181547	1-221, 1-223		
181548	1-221, 1-223		
182089	1-207, 1-209		
1-822-010001	1-11		
1-822-010002	1-164, 1-186		
182459	1-221, 1-223		

1-861-010034-11 . . . 1-47, 1-53, 1-86, 1-157, 1-193, 1-225, 1-255	189699 1-239
1-861-010034-13 . 1-79, 1-121, 1-124, 1-127, 1-141, 1-186, 1-203	19045 1-123, 1-135
1-861-010034-15 1-87	190556 1-239
186811 1-187, 1-192	190557 1-239
186875 1-41	190700ZP 1-48, 1-54
186901 1-159, 1-213, 1-259	190701 1-48, 1-54
186902 1-41	190705ZP 1-48, 1-54
187833 1-35, 1-213	190706 1-48, 1-54
187855 1-35, 1-213	191545 1-159
187856 1-35, 1-213	191552 1-214, 1-215
187857 1-35	191554 1-214, 1-215
187858 1-35	191555 1-213, 1-214
187859 1-35, 1-161, 1-166	191556 1-213, 1-215
187860 1-35	191557 1-213
187863 1-161	191558 1-213
187864 1-35	191559 1-213
187868 1-35	191568 1-214, 1-215
187869 1-166	191569 1-213
189015 1-213	191808 1-161
189253 1-7, 1-12	191809 1-161
189278 1-12	191811 1-159
189279 1-12, 1-15	191813 1-164
189280 1-12	191814 1-164
189281 1-12	191831 1-259
189285 1-41	191832 1-259
189292 1-7	191833 1-216
189308 1-187, 1-192	191834 1-166
189309 1-187, 1-192	191835 1-166
189310 1-187, 1-192	191847 1-42
189311 1-187, 1-192	191848 1-42
189320 1-48, 1-54	191849 1-41, 1-42
189360 1-186	191850 1-41, 1-42
189360FI 1-186	191872 1-159
189361 1-187	192208 1-7
189364 1-187	193400 1-42
189369 1-187	193401 1-42
	193403 1-42
	193442 1-42

193443	1-42	195814	1-17
193444	1-42	195817	1-17
193445	1-42	195819	1-17
193446	1-42	195848	1-17
193447	1-42	195849	1-17
193456	1-159	195850	1-17
193904	1-187	195851	1-17
193912	1-7	195852	1-17
194117	1-142	195853	1-17
194118	1-142	195882	1-269
194119	1-142	196165	1-7, 1-159
194120	1-142	196167	1-7
194121	1-142	196168	1-7
194122	1-142	196169	1-7
194123	1-142	196171	1-7
194124	1-142	196173	1-7
194305	1-142	196174	1-7
194306	1-142	196175	1-7
194307	1-142	196176	1-7
194308	1-142	196177	1-7
194309	1-142	196178	1-7
194310	1-142	196181	1-7
194395	1-21, 1-23, 1-41, 1-146	196817	1-141
194396	1-41	196818	1-141
194400	1-21, 1-23	197318	1-110, 1-114, 1-117
194401	1-21, 1-23, 1-38	1974	1-137
194402	1-41, 1-42	197606	1-91, 1-99
194406	1-27, 1-29, 1-31	197613	1-110, 1-114, 1-117
194407	1-23, 1-180	198996	1-141
194410	1-35	199104	1-147, 1-151
194411	1-36	199105	1-187
195009	1-171, 1-173	20125	1-117
195395	1-114, 1-117, 1-118	201641	1-38
195725	1-21	201642	1-147, 1-151
195726	1-21	201643	1-147, 1-151
195807	1-17	201644	1-147, 1-151
195809	1-17	201645	1-147, 1-151
195812	1-17	201650	1-147, 1-151

202094	1-57, 1-59, 1-63, 1-65, 1-67, 1-71	205836	1-117
202099	1-57, 1-59, 1-63, 1-65, 1-67, 1-71	205837	1-117
202103	1-57, 1-59, 1-65, 1-67	2062-10-8S	1-121, 1-127, 1-132
202111	1-57, 1-59, 1-63, 1-65, 1-67	2062-12-12S	1-41, 1-186, 1-193
202112	1-71	2062-12-8S	1-23
2021-12-12S	1-193	2062-16-8S	1-203
202118	1-63	2071-12-12S	1-41
202119	1-65, 1-67, 1-71	2071-8-8S	1-141
202207	1-117	208106	1-89
202225	1-187	2081-8-6S	1-40
202226	1-187	208318	1-247
2024-12-12S	1-186, 1-203	208319	1-247
2024-12-8S	1-203	208320	1-247
202578	1-7	208321	1-247
202702-10-8S	1-23, 1-41, 1-121, 1-127, 1-132, 1-141, 1-146, 1-149	2083-8-4S	1-73, 1-75, 1-110, 1-114
202702-12-12S	1-41, 1-193	2083-8-8S	1-103, 1-105
202702-12-8S	1-23	2088-6-6S	1-40, 1-103, 1-105
202702-20-20S	1-193	2089-6-6S	1-103, 1-105
202713-16-16S	1-187	208980	1-241
203102-12-12S	1-39, 1-187	209102	1-180
204075	1-163	209103	1-180
204076	1-163	2-095-010017	1-239, 1-247
204089	1-163	210292-12S	1-39
204094	1-163	210377	1-187, 1-193
204095	1-163	212074	1-27
204096	1-163	212215	1-232
204108-001	1-89	212216	1-232, 1-233, 1-234
204124	1-41	212381	1-89, 1-91
204158	1-12	212421	1-97, 1-99
204160	1-146, 1-269	212785	1-63, 1-71
2047-12-12S	1-203	213287	1-36
205107-001	1-89	213290	1-36
205710	1-187	213294	1-36
205712	1-187	213295	1-36, 1-48, 1-54, 1-159
205742	1-235	213296	1-36, 1-48, 1-54, 1-159
205744	1-235	213297	1-36, 1-159, 1-213, 1-214, 1-215
205747	1-235	213298	1-35, 1-214, 1-215
		213304	1-36

213305	1-36	215067	1-23, 1-35
213332	1-25, 1-27	215069	1-21, 1-23, 1-25, 1-27
213333	1-48, 1-54	215070	1-25
213400	1-25	215071	1-21, 1-23, 1-25, 1-27
213496	1-15	215072	1-25
213497	1-27, 1-36, 1-180	215073	1-23
213500	1-12	215075	1-23
213502	1-15	215077	1-21, 1-23, 1-25, 1-27
213503	1-180	215078	1-25
213987	1-15	215080	1-25
213988	1-15	215082	1-7
213999	1-223	215083	1-7
214102	1-89	215084	1-7
214104	1-89, 1-97	215086	1-53, 1-65, 1-67, 1-71, 1-75, 1-105
214407	1-159	215087	1-53, 1-65, 1-67, 1-75, 1-105
214408	1-159	215088	1-53, 1-65, 1-67, 1-75, 1-105
214409	1-159	215089	1-53, 1-65, 1-67
214410	1-159	215090	1-53, 1-65, 1-67, 1-75, 1-105
214411	1-159	215091	1-53, 1-65, 1-67, 1-75, 1-105
214412	1-159	215093	1-53
214488	1-7, 1-12, 1-21	215094	1-53
214489	1-11	215095	1-53
214499 ...	1-35, 1-47, 1-57, 1-59, 1-63, 1-73, 1-103	215096	1-53
214500	1-47, 1-57, 1-59, 1-73, 1-103	215097	1-53
2-150-010240	1-211	215098	1-53
215051	1-35, 1-47, 1-57, 1-59, 1-73, 1-103	215099	1-75, 1-105
215052	1-47, 1-57, 1-59, 1-73, 1-103	215100	1-7
215053	1-35, 1-47, 1-57, 1-59, 1-73, 1-103	215101	1-7
215054	1-47, 1-57, 1-59, 1-73, 1-103	215111	1-11
215056	1-47	215227	1-21, 1-23, 1-25, 1-27, 1-35
215057	1-47	215262	1-11
215058	1-47	215528	1-11
215059	1-47	215594	1-11
215060	1-47	216230	1-36, 1-48, 1-54
215061	1-47	216266	1-239
215063	1-21, 1-23, 1-25, 1-27, 1-35	216267	1-239
215064	1-25	216268	1-239
215065	1-23	216269	1-242

216270	1-242	220408	1-19, 1-171, 1-173
216271	1-242	220409	1-19
216581	1-124	220431	1-176
216599	1-59, 1-67	220432	1-176
216601	1-21, 1-42	220442	1-19, 1-171
216705	1-117	220443	1-19
216805	1-48, 1-54	220444	1-171
216920	1-157	220445	1-171
216921	1-157	220446	1-171
218023	1-180	220447	1-171
218046	1-187, 1-193	220448	1-174
218058	1-124	220449	1-174
218059	1-232	220658	1-86
218068	1-81, 1-83	220673	1-86, 1-93
218070	1-81, 1-83	221022	1-19, 1-171
218075	1-81	221023	1-19, 1-171
218079	1-81	221024	1-19, 1-173
2-181-010001	1-21	221025	1-19
218129	1-159	221036	1-171
21925	1-123	221037	1-171
219310	1-19, 1-171, 1-173	221038	1-171
219311	1-19, 1-171	221039	1-171
219312	1-19	2215-16-20S	1-186
219313	1-19	221602	1-79
219330	1-171	2216-12-12S	1-200
219331	1-171	221642	1-245
219332	1-171	221648	1-245
219333	1-171	221649	1-245
219344	1-173	221650	1-245
219345	1-173	222436	1-245
219346	1-173	222437	1-245
219347	1-173	222438	1-245
219615	1-247	222439	1-245
219616	1-247	222440	1-245
220291	1-239	222441	1-245
220292	1-239	222442	1-245
220293	1-242	222443	1-245
220294	1-242	222445	1-245

222446	1-245	223257	1-36
222447	1-245	223259	1-48
222479	1-63, 1-71	223279	1-241
222951	1-19	223282	1-241
222952	1-19	223283	1-241
222953	1-19	223285	1-241
222954	1-19	223304	1-110
222955	1-19	223306	1-114
222956	1-19	223938	1-101
222957	1-19	223993	1-86
222958	1-19	223994	1-86
222959	1-19	223995	1-86
222960	1-19	223996	1-86
222961	1-19	223997	1-86
222962	1-19	223998	1-86
222965	1-176	223999	1-86
222966	1-176	224000	1-86
222968	1-171	224001	1-86
222969	1-171	224002	1-86, 1-93
222970	1-171	224003	1-86, 1-93
222971	1-171	224005	1-86
222972	1-171	2240-12-12S	1-186
222973	1-171	224304	1-63, 1-71
223004	1-173	224322	1-101
223005	1-174	224325	1-63, 1-71
223006	1-173	224909	1-173
223007	1-174	224910	1-173
223024	1-173	224911	1-173
223025	1-173	224912	1-173
223027	1-173	225284	1-155
223028	1-173	225770	1-63, 1-71
223037	1-173	225844	1-247
223038	1-173	225845	1-247
223039	1-173	225846	1-247
223040	1-173	225847	1-247
223041	1-173	225873	1-247
223042	1-173	225884	1-36, 1-63, 1-71
223124	1-173	225921	1-7, 1-225, 1-230

225922	1-7, 1-225, 1-230	228029	1-93
225953	1-81	228069	1-117
225954	1-81	229177	1-63, 1-71
225955	1-81, 1-83	229178	1-63, 1-71
225956	1-81, 1-83	229181	1-71
225958	1-81, 1-83	229182	1-63, 1-71
225959	1-81, 1-83	229195	1-227
225962	1-81	229196	1-225, 1-227
225963	1-81, 1-83	230611	1-81
225964	1-87	230612	1-81
225965	1-86	230613	1-117
225969	1-81, 1-83	230657	1-86
225970	1-81, 1-83	230730	1-101
225977	1-86	23078	1-124, 1-136
225978	1-86	23079	1-124
226048	1-83	23081	1-124, 1-136
226049	1-83	23083	1-124
2263	1-139	23144	1-136
226635	1-241	231958	1-86
226644	1-241	232809	1-101
226645	1-241	232823	1-86
226650	1-233, 1-234	23303	1-123
226651	1-233, 1-234	23367	1-135
226652	1-233	23470	1-123
226653	1-233, 1-234	235221	1-93
226655	1-234	235222	1-93
226656	1-233	236475	1-93
226657	1-233	236476	1-93
226660	1-234	236497	1-93
226661	1-234	236498	1-93
226688	1-241	236499	1-93
226726	1-230	236500	1-93
226727	1-230	236501	1-93
226728	1-230	236503	1-94
226729	1-230	236504	1-87, 1-94
22752	1-123	236534	1-86
227524	1-223	236535	1-86
227525	1-223	236536	1-86

236537	1-86, 1-94	3-141-010121-2	1-157, 1-194
236538	1-86	3-141-010155	1-157, 1-164
238554	1-93	3-150-010186	1-131, 1-137
238555	1-93	3-150-010196	1-131
238556	1-94	3-155-010012	1-193
238557	1-94	3-155-010017-4	1-121, 1-141
238558	1-87	3-155-010018-6	1-127, 1-131, 1-146
238559	1-87	3-162-010001	1-186, 1-193, 1-203
238560	1-87	3-174-010038 ...	1-121, 1-127, 1-131, 1-141, 1-146
238562	1-87	3-174-010039036	1-121, 1-127, 1-131, 1-141, 1-146
238563	1-87	3-174-010059	1-149
238564	1-87	3-174-010060036	1-149
238565	1-83	3-181-010034-1	1-81, 1-83
238566	1-83	3-181-010034-2	1-81, 1-83
238567	1-83	3-182-010028	1-186, 1-193
238568	1-83	3-316-010008	1-186, 1-193
238569	1-83	3-352-010067-2	1-263, 1-267
2389	1-137	3-360-010072	1-225, 1-227
239294	1-83	3-368-010252 ..	1-117, 1-146, 1-149, 1-161, 1-164, 1-216, 1-235
2481X	1-187, 1-193	3-399-010001	1-203
2481X DRY	1-187	3-443-010018	1-186
2-557-010426	1-254	346SL	1-152
2-573-010330-04	1-63, 1-71	3-481-010006	1-121, 1-124, 1-139
2-573-010335	1-7	3-481-010006FI	1-139
2-684-010001	1-48, 1-54	3-481-010007	1-127, 1-131, 1-139
2-684-010045	1-48, 1-54	3-481-010007FI	1-139
26976	1-135	3-482-010249	1-157
2-720-010008	1-48, 1-54	3-482-010503	1-203
3/8P COUPL	1-186	3-485-010001	1-48, 1-54
3-014-010255	1-131	3-522-010017	1-131
3-054-010101	1-157	3-557-010380	1-157, 1-194
3067	1-91, 1-99	3-557-010543	1-263, 1-265, 1-267
3-120-010124	1-186, 1-193	3-557-010544	1-263, 1-267
3-120-010445	1-25, 1-132, 1-270	3-561-010001	1-203
3-120-010461	1-203	3-565-011688	1-131
3-120-010494	1-263, 1-267	3-565-011792	1-263, 1-265, 1-267
3-125-010465	1-131	3-565-011793	1-263, 1-265, 1-267
3-141-010008	1-157		

3-573-010031	1-48, 1-54	3-873-010124	1-121
3-573-010085	1-7	3-873-010140-01	1-127, 1-263
3-573-010210	1-7	3-873-010140-06	1-269
3-573-010299	1-7	3-873-010144-01	1-121
3-573-010349	1-7	40-0667-02	1-186, 1-193
3-573-010377	1-7, 1-48, 1-54	4009	1-86, 1-91, 1-93, 1-99
3-573-010378	1-157	403149	1-89
3-591-010001	1-203	405129	1-89, 1-97
3-626-010004	1-25, 1-132	405999-001	1-89, 1-97
3-642-010134	1-177, 1-256	408101-001	1-89, 1-97
3-645-010059	1-177, 1-256	43028	1-36, 1-65, 1-67, 1-75
3-645-010087	1-263, 1-265, 1-267	514-9045-26	1-193
3-645-010088	1-263, 1-267	514-9045-30	1-186
3-659-010012	1-91, 1-99	514-9073-18	1-193
3-711-010025	1-157	514-9073-30	1-186
3-720-010010	1-121, 1-127	516-22PTL	1-245
3-720-010035	1-131	55B61	1-39, 1-132, 1-146, 1-149
3-720-010042	1-48, 1-54, 1-73, 1-75, 1-131, 1-225, 1-229	55B61-6	1-39
3-725-010058	1-152	55B61-7	1-39
3-755-010080	1-157	56D4	1-103, 1-105
3-762-010017	1-48, 1-54	61333	1-124
3-780-010002	1-73, 1-75, 1-103, 1-105, 1-110, 1-114	61344	1-136
3-786-010043	1-203	622-3511-008	1-47, 1-48, 1-53, 1-54
3-793-010040	1-268	63680	1-89, 1-91
3-793-010041	1-268	6-557-010163	1-157, 1-163
3-831-010172	1-131	660580002	1-205, 1-207, 1-209
3-831-010182	1-131	660580003	1-205, 1-207, 1-209
3-843-010038	1-40	660580004	1-205, 1-207, 1-209
3-843-010039-02	1-27, 1-29, 1-31, 1-132	660580005	1-205, 1-207, 1-209
3-870-010097 STOP	1-101	660585006	1-205, 1-207, 1-209
3-870-010104	1-101	6828	1-203
3-870-010106	1-101	71503635	1-227
3-870-010107	1-99	758-181	1-103, 1-105
3-870-010110	1-101	7HCGHT500	1-121, 1-127, 1-131, 1-141, 1-146
3-870-010116	1-101	805-2	1-103, 1-105
3-873-010122	1-121, 1-123	81006	1-123
3-873-010123	1-127, 1-132, 1-135	81009	1-123
		81025	1-123

81077	1-135
81078	1-135
81080	1-135
81081	1-135
81264	1-36, 1-146, 1-149, 1-159, 1-164, 1-166, 1-216
81530	1-123
8-720-010013	1-48, 1-54
88005	1-136
900-08-139	1-79
900-44-207	1-77
900 45 040	1-79
900 54 007	1-73, 1-75, 1-76
900-54-079	1-73, 1-75, 1-77
900-54-088	1-25, 1-27, 1-77
900598-12S	1-187, 1-193
905-54-107 . . .	1-25, 1-73, 1-75, 1-76, 1-132, 1-141, 1-146, 1-149, 1-229
905-57-129	1-79
934 00 149	1-79
934-00-492	1-79
936 00 077	1-79
95	1-225, 1-227

A

A10037.3	1-155
A10038.7	1-155

B

B7-141-003	1-157, 1-164
------------------	--------------

C

C10256	1-155
C2001	1-137
C3069X12	1-203

H

HM212011	1-86, 1-91, 1-93, 1-99
HM212049	1-86, 1-91, 1-93, 1-99
HM218210	1-86, 1-91, 1-93, 1-99
HM218248	1-86, 1-91, 1-93, 1-99

K

K71-101-00	1-89
K71-136-00	1-97
K71-460-00	1-89

P

PTO	1-203
-----------	-------

R

RPRB59004X3H	1-249, 1-250
RTR7999X4ZP	1-131
RWD39021	1-171, 1-174

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