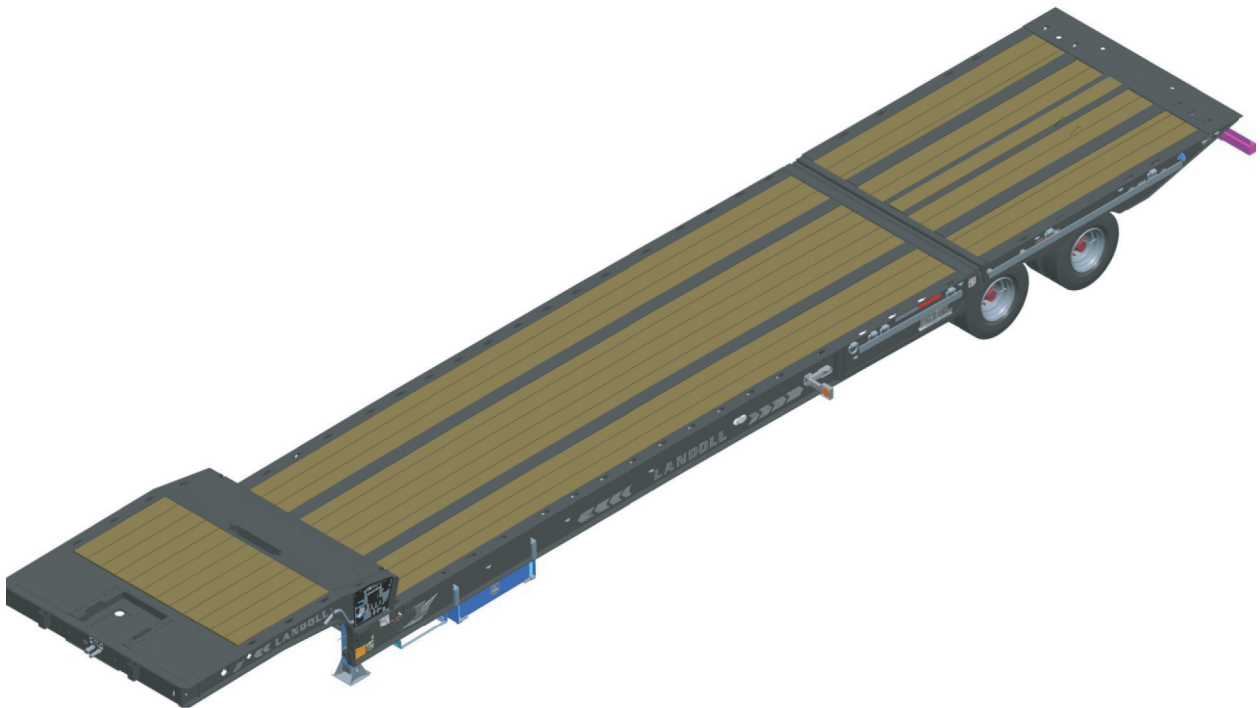




930E / 950E Traveling Tail Trailer Parts Manual



LANDOLL COMPANY, LLC

1900 North Street

Marysville, Kansas 66508

(785) 562-5381

800-428-5655 ~ **WWW.LANDOLL.COM**

Instructions for Ordering Parts

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

DEALER INSTRUCTIONS FOR ORDERING PARTS FROM LANDOLL PARTS DISTRIBUTION CENTER

Phone #: **800-423-4320** or **785-562-5381**

Fax #: **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.

SERIAL NUMBER

The serial number is located on the identification plate.
The following information will help decode the serial number.

AAABBBBCDEFGHJJJJ

AAA	= world manufacturer identifier
BBB	= model
C	= length
D	= axle type
E	= federal check digit

F	= model year
G	= plant of manufacture
H	= model version
JJJJ	= serial number

		<i>Landoll Company, LLC</i> 1900 North Street Marysville, KS 66508 1-800-428-5655 www.landoll.com	
MANUFACTURED BY/ FABRIQUE PAR:		DATE:	
GVWR/PNBV:		TYPE/TYPE DE VEHICULE: TRA/REM	
AXLE	TIRE/PNEU	RIM/JANTE	COLD INFL PRESS/ PRESS DE GONG. À FROID TIRE/PNEU
FR/AV			
INT			
RR/AR			
SGL/DUAL:		VIN/NIV:	
THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED UNDER THE CANADIAN MOTOR VEHICLE SAFETY REGULATIONS IN EFFECT ON THE DATE OF MANUFACTURE. CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LA SÉCURITÉ DES VÉHICULES AUTOMOBILES DU CANADA EN VIGUEUR À LA DATE DE SA FABRICATION. THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS) IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.			

Identification Plate and Location

Manuals for 930E / 950E

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

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Decal Placement

Frame Assembly

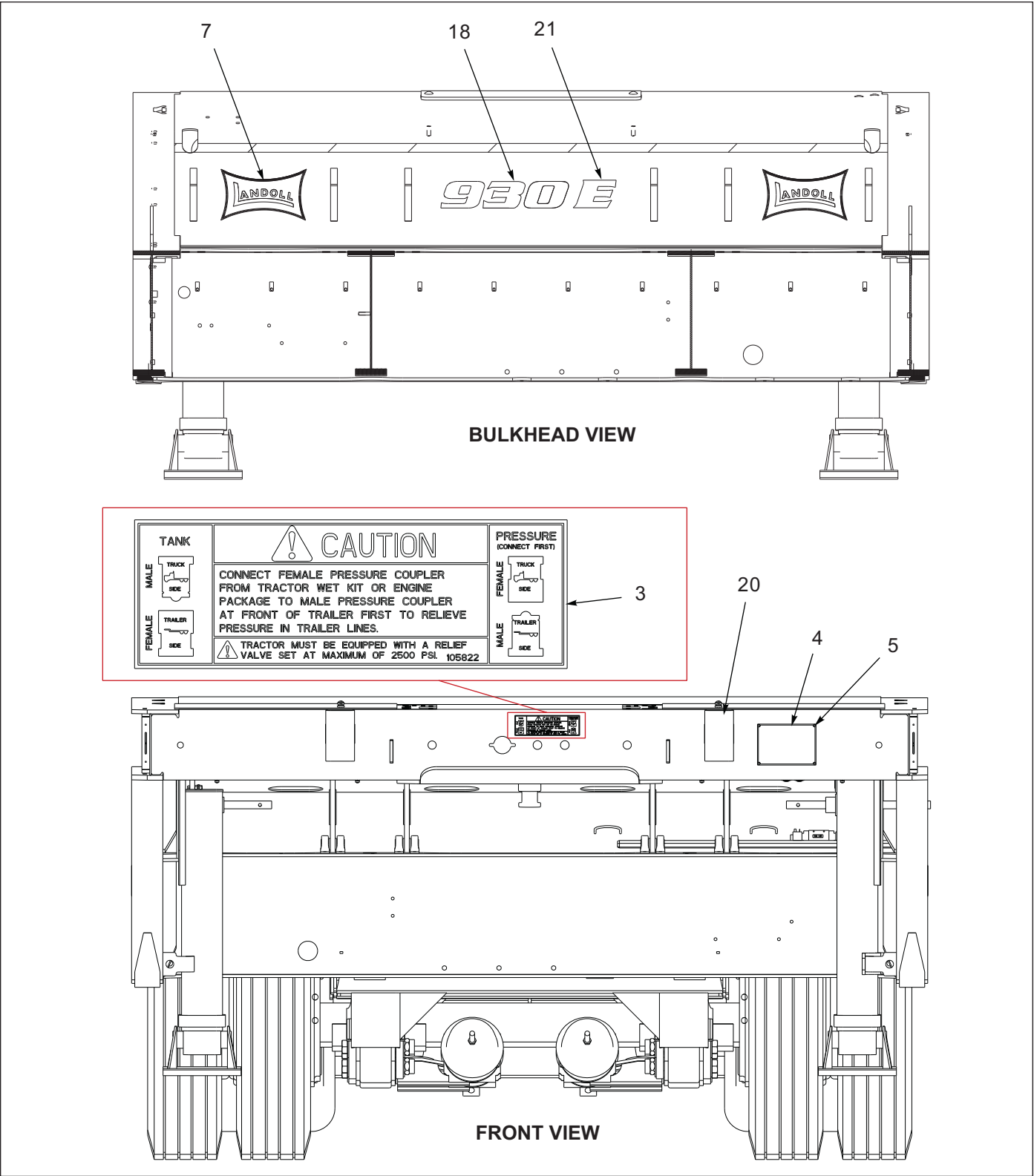


Figure 1-1: Frame Assembly (1 of 3)

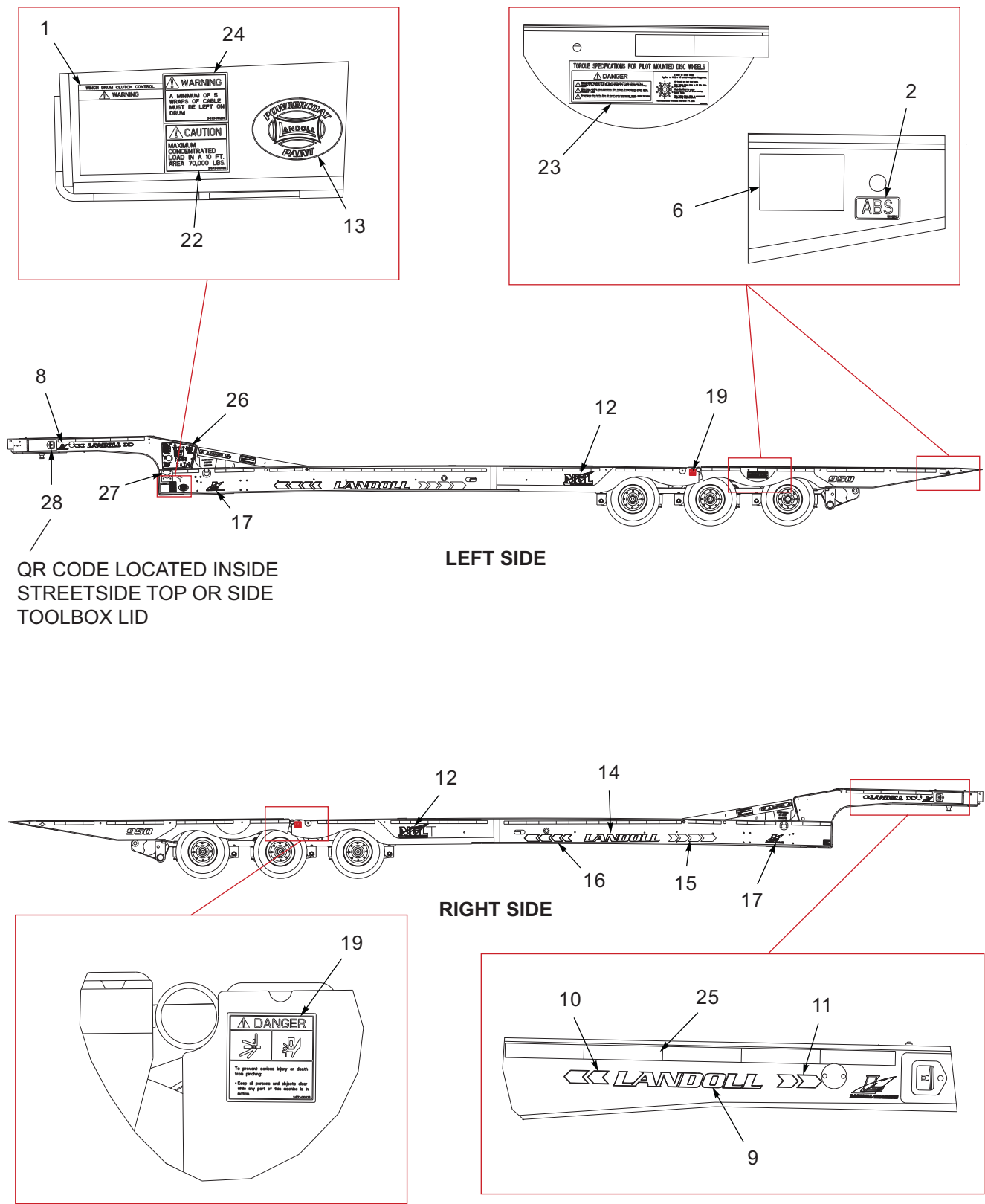
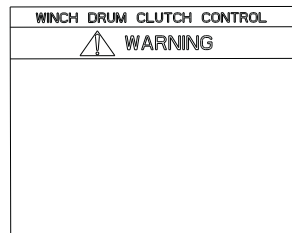


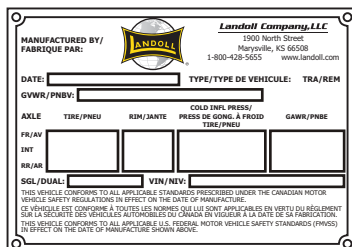
Figure 1-2: Frame Assembly (2 of 3)



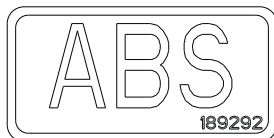
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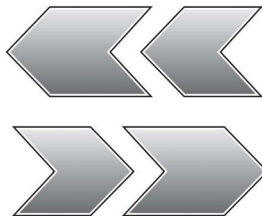
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15, 16



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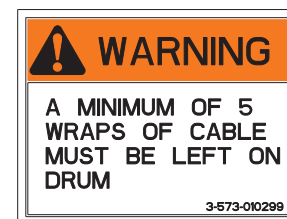
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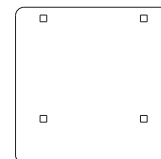
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27



28

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

Frame Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215082	DECAL INSTL 930E	--
	215100	DECAL INSTL 950E	--
1	100600	DECAL WARNING BRADEN WINCH (NOT INCLUDED)	1
2	101855	WARNING LAMP LABEL,ABS	2
3	105822	DECAL, HYD COUPLER (BEFORE 03/01/2022 REQ 1 EACH - AFTER NO LONGER USED)	1
4	155780	TRAILER VIN PLATE	1
5	156010	RIVET, BLIND .156X1/2 GRIP	4
6	189292	DECAL, ABS, WHITE	1
7	192208	DECAL BOWTIE 6-3/4 X 11	2
8	196165	DECAL HIGHWAY L	2
9	196167	DECAL LANDOLL SMALL	2
10	196168	DECAL ARROW SMALL 2LH	2
11	196169	DECAL ARROW SMALL 2RH	2
12	196171	DECAL NEXT GENERATION	2
13	196173	DECAL POWDERCOAT SMALL (POWDER COAT TRAILERS ONLY)	1
14	196174	DECAL LANDOLL LARGE	2
15	196175	DECAL ARROW LARGE 4RH	2
16	196176	DECAL ARROW LARGE 4LH	2
17	196177	DECAL HIGHWAY L LARGE	2
18	196178	DECAL 930 TRAILER	3
18	196181	DECAL 950 TRAILER	3
19	2-573-010335	DECAL, DANGER PINCHING	1
20	202578	REFLEXITE WHITE 3" LENGTH	2
21	215084	DECAL LETTER E (3-1/2" TALL)	3
22	3-573-010349	DECAL, CAUTION 50M#/10 FT (930)	2
22	3-573-010085	DECAL, CONC LOAD 70000 LBS (950)	2
23	3-573-010210	DECAL TORQUE SPEC 8-10STU HUB	2
24	3-573-010299	DECAL, WARNING WINCH CABLE	1
25	3-573-010377	DECAL,2"REFLEXITE TAPE,RD/WHT (BY THE INCH)	1060
26	214488	PLACARD CONTROL PANEL 900E	1
27	189253	PLATE, COVER,WEIGHT SCALE (NOT INCLUDED)	1
28	225937	DECAL, QR CODE 900 SERIES	1

Ramp Assembly, Air 6 Feet

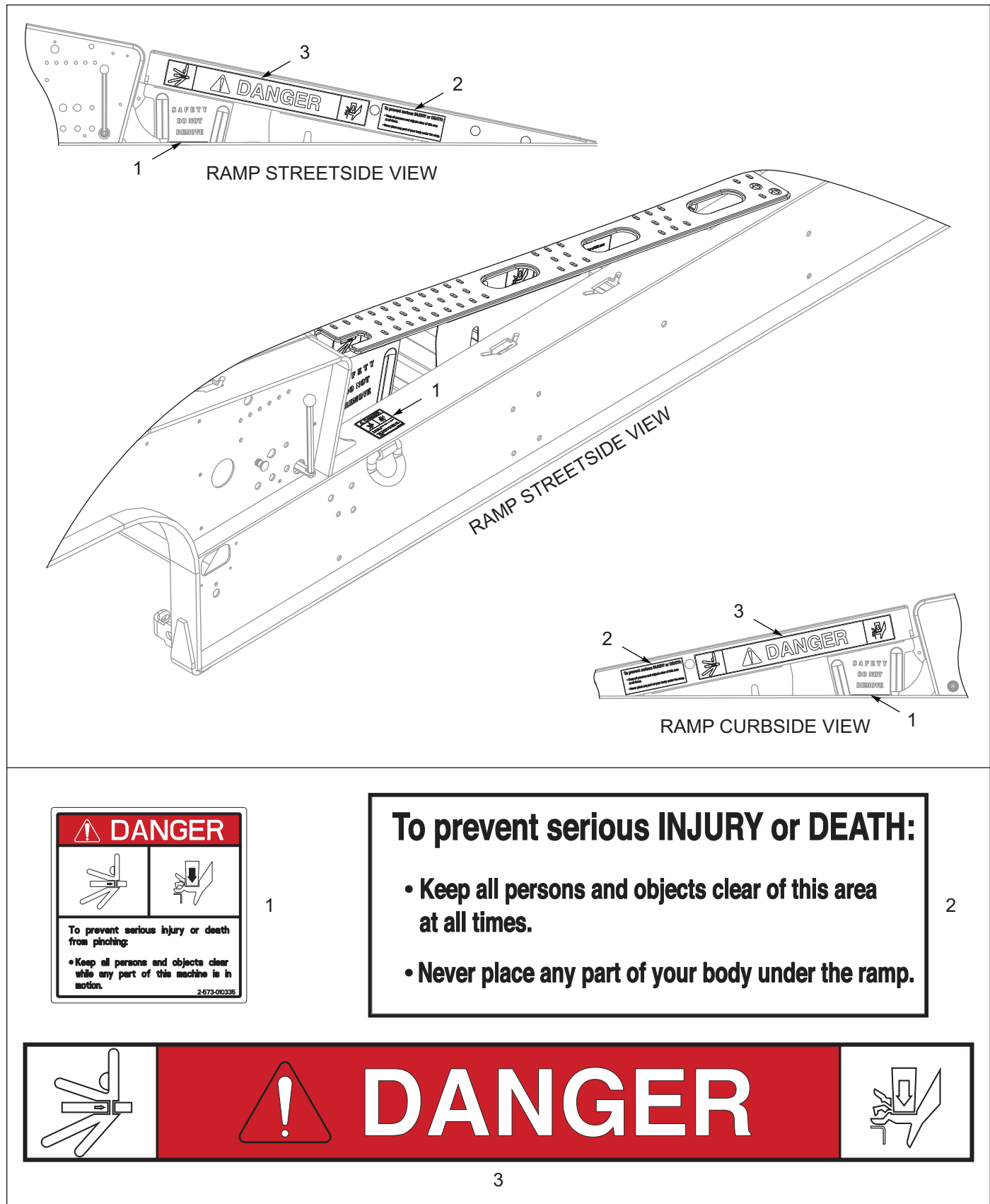


Figure 1-4: Ramp Assembly, Air 6 Feet

Ramp Assembly, Air 6 Feet

ITEM	PART NUMBER	DESCRIPTION	QTY.
	230695	RAMP INSTL 900 6FT 102" TRLCCLR	--
	230696	RAMP INSTL 900 6FT 102" GALV	--
1	2-573-010335	DECAL, DANGER PINCHING	2
2	225921	DECAL DANGER RAMP	2
3	225922	DECAL DANGER	2

Trailer Assembly

Frame Components

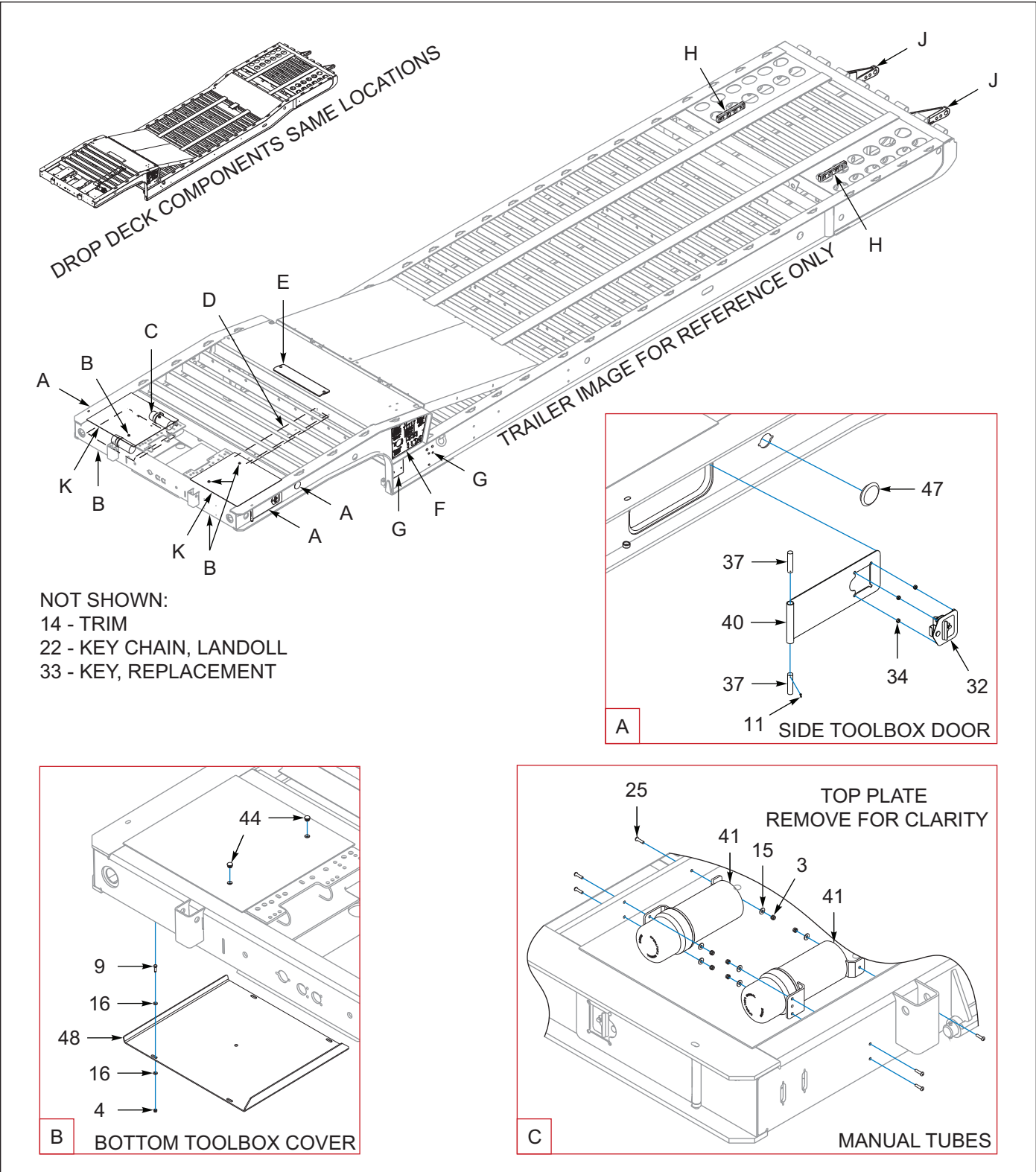


Figure 2-1: Frame Components (1 of 3)

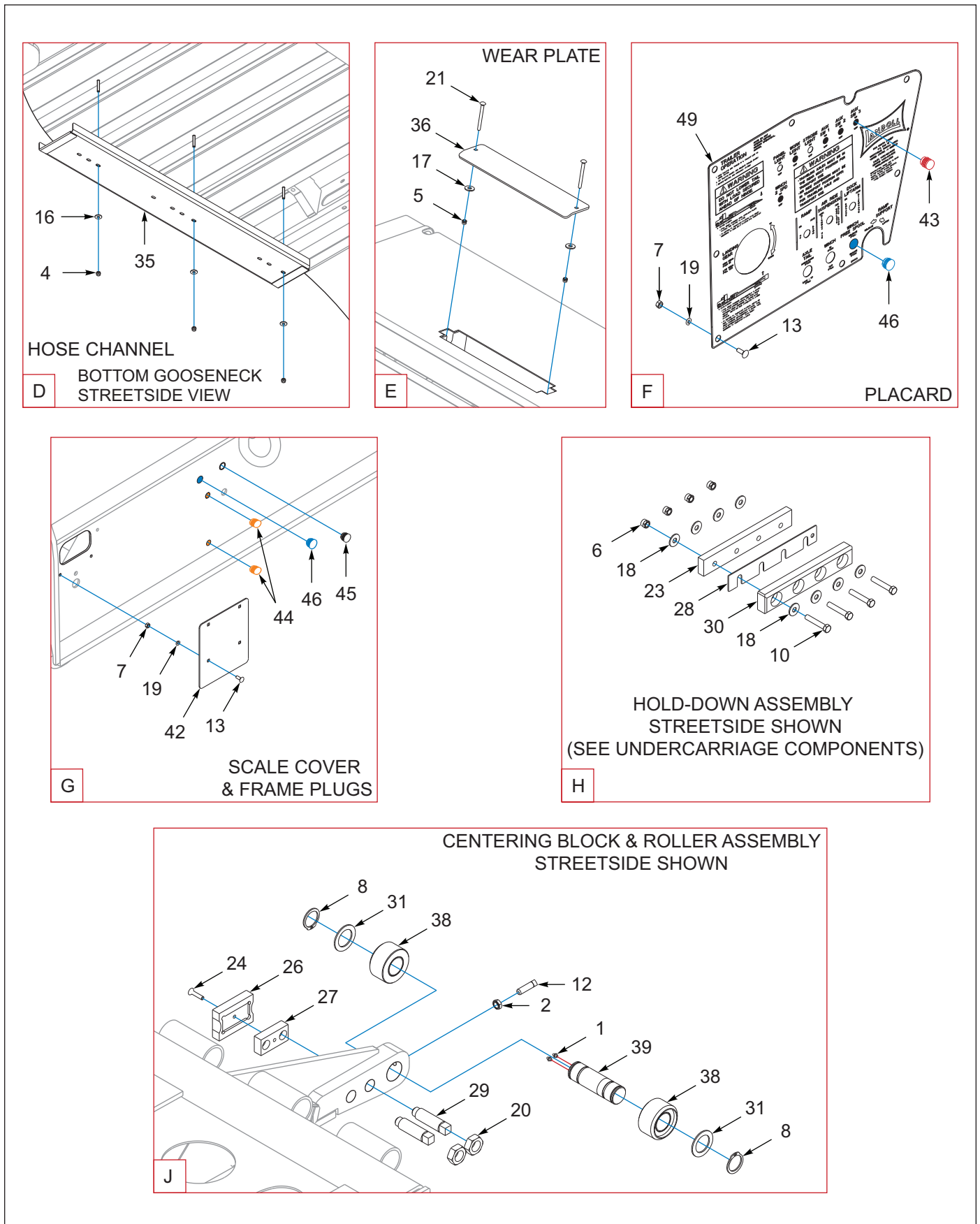
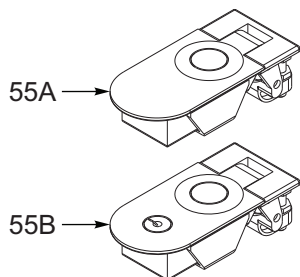


Figure 2-2: Frame Components (2 of 3)

NOT SHOWN:
56 - KEY, REPLACEMENT

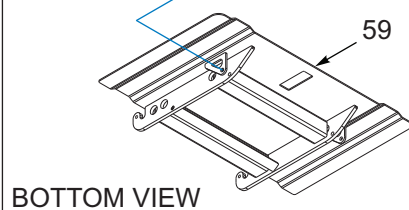
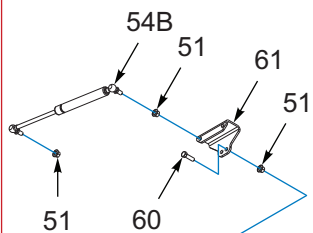
LATCH OPTIONS



NOTE: RELEASE HANDLE AND
DRILL DRAIN HOLE IN CORNER

WEIGHT BEARING LID

GAS SPRING MOUNT
AFTER 11/14/2023

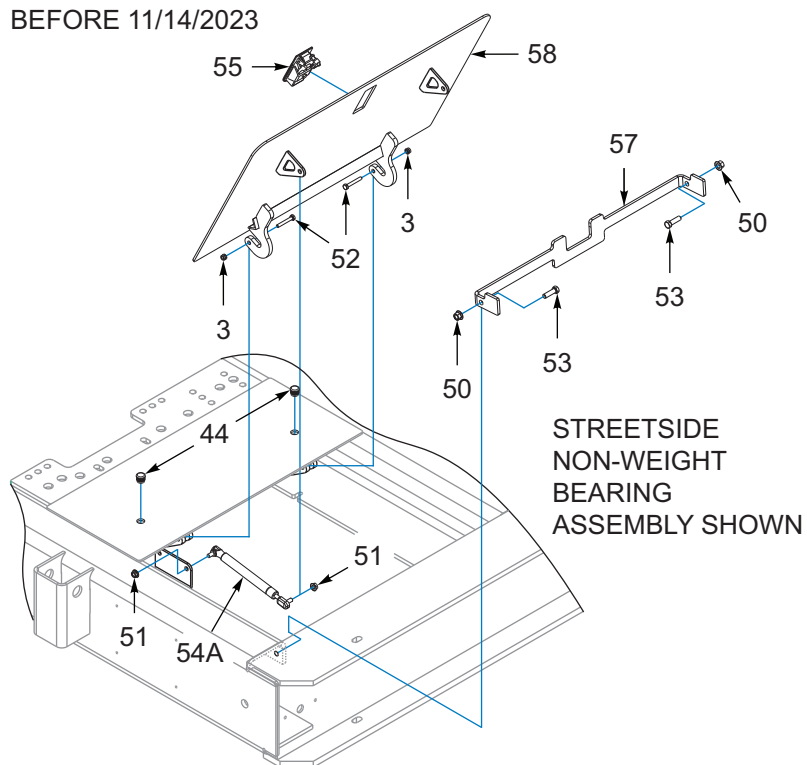


BOTTOM VIEW

TOP TOOLBOX LID
STREETSIDE SHOWN

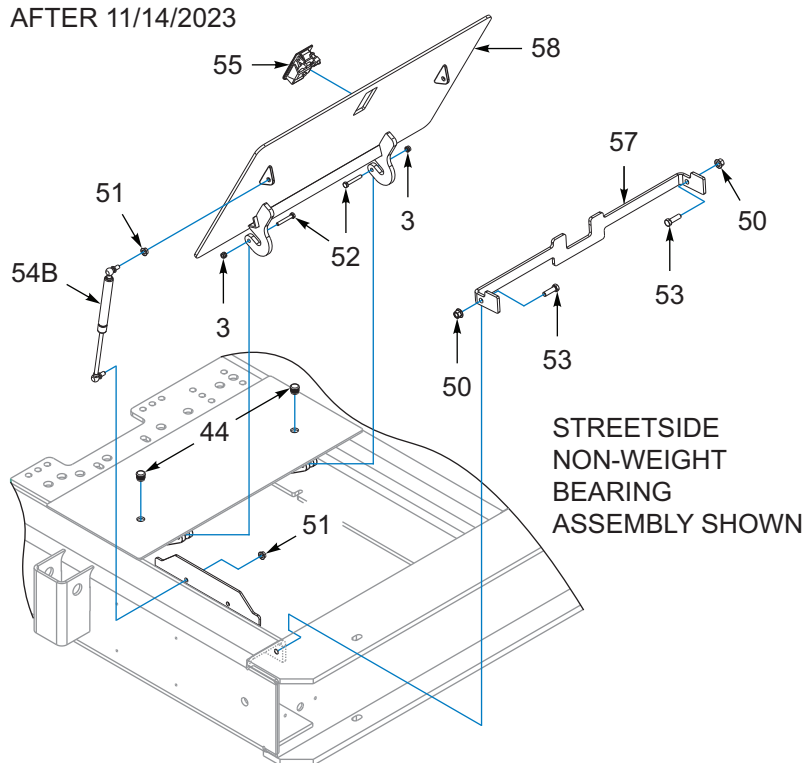
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BEFORE 11/14/2023



STREETSIDE
NON-WEIGHT
BEARING
ASSEMBLY SHOWN

AFTER 11/14/2023



STREETSIDE
NON-WEIGHT
BEARING
ASSEMBLY SHOWN

Figure 2-3: Frame Components (3 of 3)

Frame Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215571	FRAME ASSY 930E-33 STD 235 (ALL MODELS)	--
	215595	FRAME ASSY 950E-33 STD 235 (ALL MODELS)	--
	213987	TOP LID INSTL NON WT BRG (NON-WEIGHT BEARING)	--
	213988	TOP LID INSTL EURO WT BRG (WEIGHT BEARING)	--
1	1-298-010001-1	ZERK FITTING 1/4 SAE	4
2	1-511-010001-07	NUT, HEX JAM 5/8-11	2
3	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 (FRAME ASSEMBLY, REQ 6 EACH) (TOP LID ASSEMBLY, NON-WEIGHT BEARING, REQ 4 EACH)	--
4	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	11
5	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
6	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	8
7	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	11
8	1-630-010021-02	RING, RETAINING 2 HD	4
9	1-654-010049-05	SCREW HX CP 5/16-18UNCX1 GR5	8
10	1-654-010059-11	SCREW,HX CP 5/8-11UNCX3.5GR5	8
11	1-654-010147-06	SCREW RDHD SLF/TPG #6-20X3/4 (GOOSENECK SIDE TOOL BOX TRAILERS ONLY)	8
12	1-654-010150-05	SCREW,SET,5/8X2 SQ HD CP PNT	2
13	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4	11
14	1-822-010001	TRIM 1350 3/8BLK FINE PEBBLE (BY THE FOOT) (NOT SHOWN)	10
15	1-861-010032-07	WASHER,FLAT 1/4 ZP	6
16	1-861-010032-08	WASHER,FLAT 5/16 N ZP	19
17	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	2
18	1-861-010032-19	WASHER, FLAT 5/8 W ZP/CD	16
19	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	11
20	100823	NUT,HEX JAM,1-1/4-7 GR2	4
21	100939	SCREW,RDHD, SQNCK1/2-13X5-1/2	2
22	101299	KEY CHAIN, LANDOLL (NOT SHOWN)	1
23	107622	BLOCK MTG NYLN HOLDDOWN	2
24	108294	SCREW HXSKT 3/8-16UNCX1-3/4CS	2
25	108610	SCREW BHSC 1/4-20UNCX1	6
26	108700	BLOCK CENTERING NYLATRON	2
27	108701	BLOCK, CTRG ADJUSTMENT	2
28	108749	SHIM,NYLATRON BLOCK 930	2
29	109004	ROD,THREADED ADJUSTMENT	4
30	109138	NYLATRON HOLD-DOWN BLK	2
31	114562	BUSHING MACHINE HARD 3X2X10GA	4
32	114814	LATCH FOLDING T LOCKABLE (INCLUDES ITEM 33) (GOOSENECK SIDE TOOL BOX TRAILERS ONLY)	2
33	CH545	TOOL BOX KEY (INCLUDED WITH ITEM 32 - NOT SHOWN)	1
34	115877	NUT HVY HEX 1/4-20 GR5 (GOOSENECK SIDE TOOL BOX TRAILERS ONLY)	8
35	117565	COVER,HOSE LOWER, 410 G/N	1
35	145104	COVER, HOSE UPPER, 410 HD (950HD)	1
36	131196	PLATE,WINCH CABLE WEAR U/D400	1
37	135181	BUSHING NYLATRON TOOLBOX (GOOSENECK SIDE TOOL BOX TRAILERS ONLY)	4
38	135613	ROLLER 4 IN. ASSY CONNEX	4

ITEM	PART NUMBER	DESCRIPTION	QTY.
39	135614	PIN ROLLERS REAR 930 FRAME	2
40	240517	GALV OF 136352 (DOOR) (GOOSENECK SIDE TOOL BOX TRAILERS ONLY)	2
41	150076	MANUAL TUBE (4-1/4"ID)	2
42	189253	PLATE, COVER,WEIGHT SCALE	1
43	189278	PLUG, PLASTIC PANEL 1/2 & 9/16	5
44	189279	PLUG, PLASTIC PANEL 5/8 (930 W/ SIDE TOOL BOX, REQ 28 EACH) (930 W/ TOP TOOL BOX, REQ 24 EACH) (930 DROP DECK W/ SIDE TOOL BOX, REQ 24) (930 DROP DECK W/ TOP TOOL BOX, REQ 20 EACH) (950 W/ SIDE TOOL BOX, REQ 20 EACH) (950 W/ TOP TOOL BOX, REQ 16 EACH) (950 HD, REQ 16 EACH)	--
45	189280	PLUG, PLASTIC PANEL 3/4	1
46	189281	PLUG, PLASTIC PANEL 13/16	2
47	204158	HOLE PLUG 2-1/4" ID X 3-5/8"OD	4
48	213500	G/N TOOLBOX BOTTOM PLATE (BOTH SIDES)	2
49	214488	PLACARD CONTROL PANEL 900E	1
50	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	4
51	1-510-010004-03	NUT HX FLANGE, 5/16-18 GR8 (NON-WEIGHT BEARING LID, REQ 4 EACH) (WEIGHT BEARING LID, BEFORE 11/14/2023, REQ 4 EACH) (WIEGHT BEARING LID, AFTER 11/14/2023, REQ 6 EACH)	--
52	1-654-010047-09	SCREW,HX CP,1/4-20UNCX1-3/4G5	4
53	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	4
54	110435	BT CONSOLE LIFT,GAS SPRING (BEFORE 11/14/2023) (54A INCLUDES CLIPS AND STUDS, 2 EACH)	2
54	246215	CYLINDER,GAS SPRING,94# (AFTER 11/14/2023) (54B REQ ITEM 51, 2 PER CYLINDER)	2
55	121526	LATCH, COMPRESSION (55A NON-LOCKING)	2
55	118853	LATCH COMPRESSION SOUTHCO (55B LOCKING INCLUDES ITEM 56)	2
56	CH751	KEY, LATCH 118853 (INCLUDED WITH ITEM 55B)	1
57	176069	CHAIN HOLDER,TOP OPEN TOOLBOX	2
58	213496	NWB TLBX LID WLDMT (NONE WEIGHT BEARING, NOT PAINTED)	2
59	213502	EURO TLBX DOOR WLDMT (WEIGHT BEARING, NOT PAINTED)	2
60	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5 (AFTER 11/14/2023)	2
61	246214	BRACKET,CYL,TOP LID RETRO-FIT (AFTER 11/14/2023)	2

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Frame Components, Air & Hydraulic

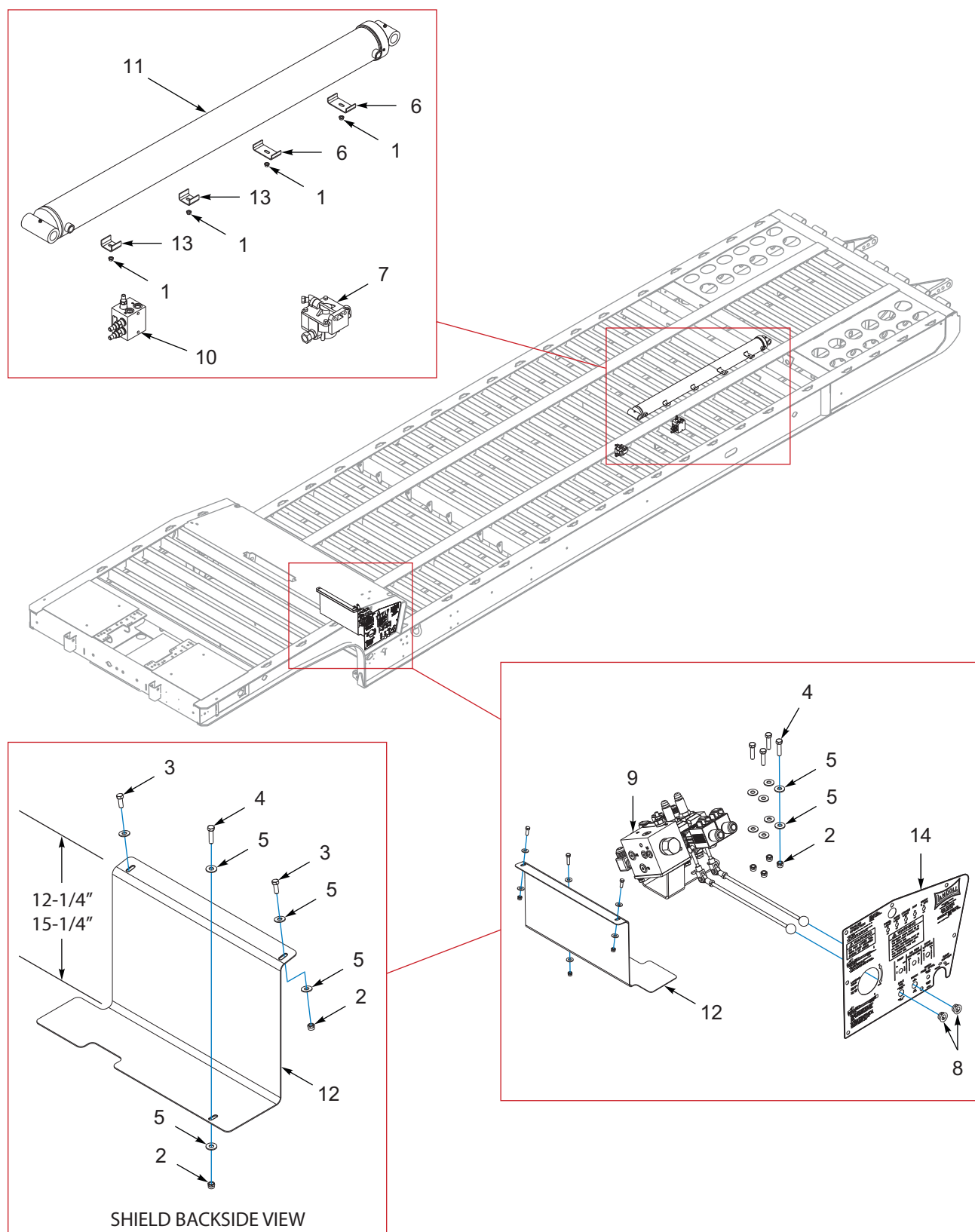
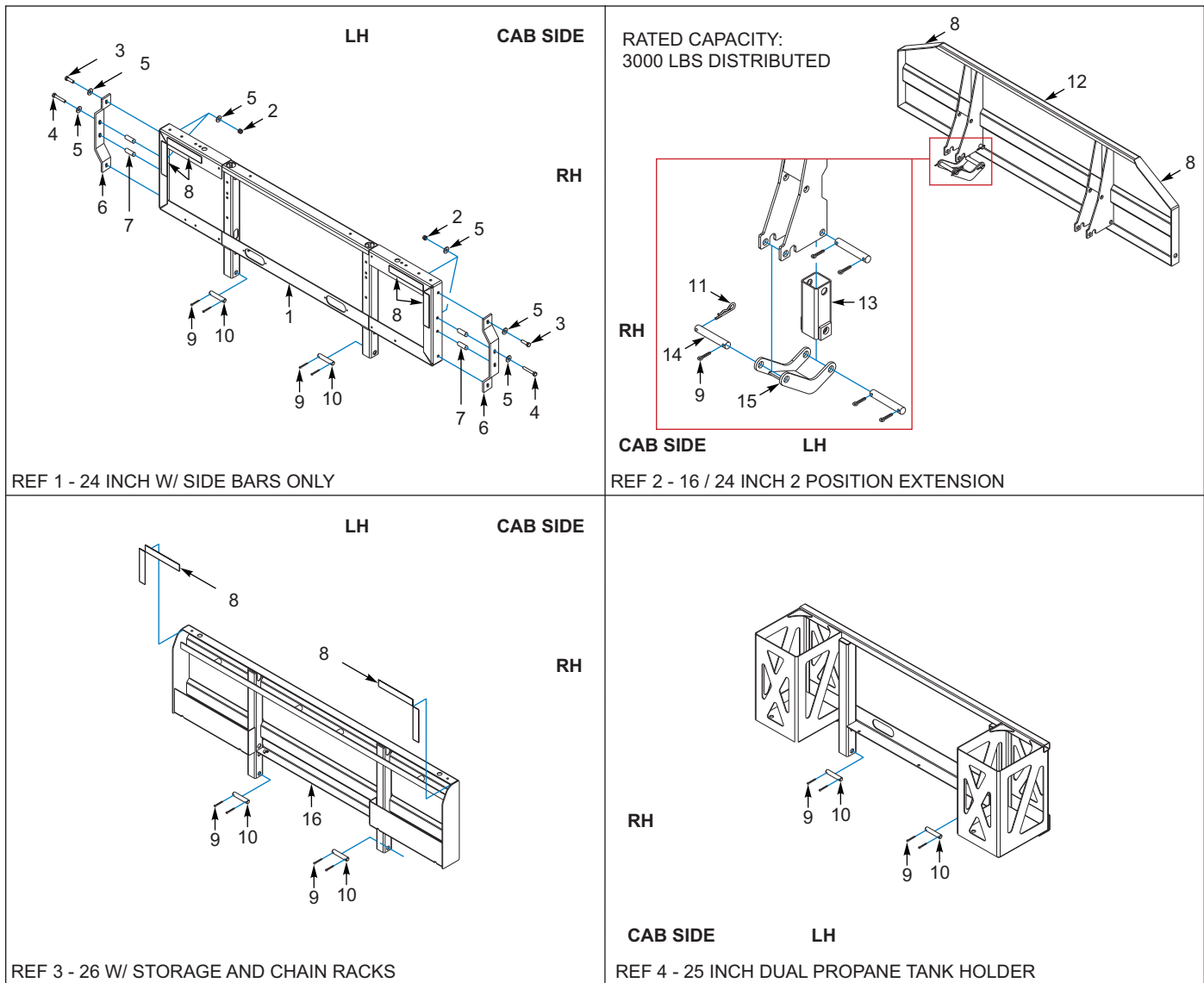


Figure 2-4: Frame Assembly, Components, Air & Hydraulic

Frame Components, Air & Hydraulic

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215063	HYD ELEC AIR 900E-33 RMT (REF 1)	--
	215071	HYD ELEC AIR 900E-33RMT SLPENG (REF 2)	--
	215069	HYD ELECT AIR 900E-38HD RMT (REF 3)	--
	215227	HYD ELEC AIR 900E-35HD RMT (REF 4)	--
	215077	HYD ELEC AIR 900EHD RMT SLPENG (REF 5)	--
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	4
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	7
3	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	2
4	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	5
5	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	14
6	103817	CLAMP,HOSE 660 U/C	2
7	141607	VALVE ASSY AIR BOOSTER (AIR SYSTEM - SEE PAGE 6-1)	1
8	178444	BUSHING NYLON INSERT 9/16ID	2
9	194395	VALVE ASSY 2-SPOOL CONTROL (HYDRAULIC SYSTEM - SEE PAGE 9-1)	1
10	194400	VALVE COUNTER-BALANCE/RELIEF (HYDRAULIC SYSTEM - SEE PAGE 9-1)	1
11	194401	CYLINDER 5 X 60 (HYDRAULIC SYSTEM - SEE PAGE 9-1)	1
12	195725	SHIELD VALVE 900 (12-1/4") (REF 1-2)	1
12	195726	SHIELD VALVE 900HD (15-1/4") (REF 3-5)	1
13	2-181-010001	HOSE CLAMP	2
14	214488	PLACARD CONTROL PANEL 900E	1

Bulkhead Components, 24, 25 & 26 x 102 (OPTIONS)



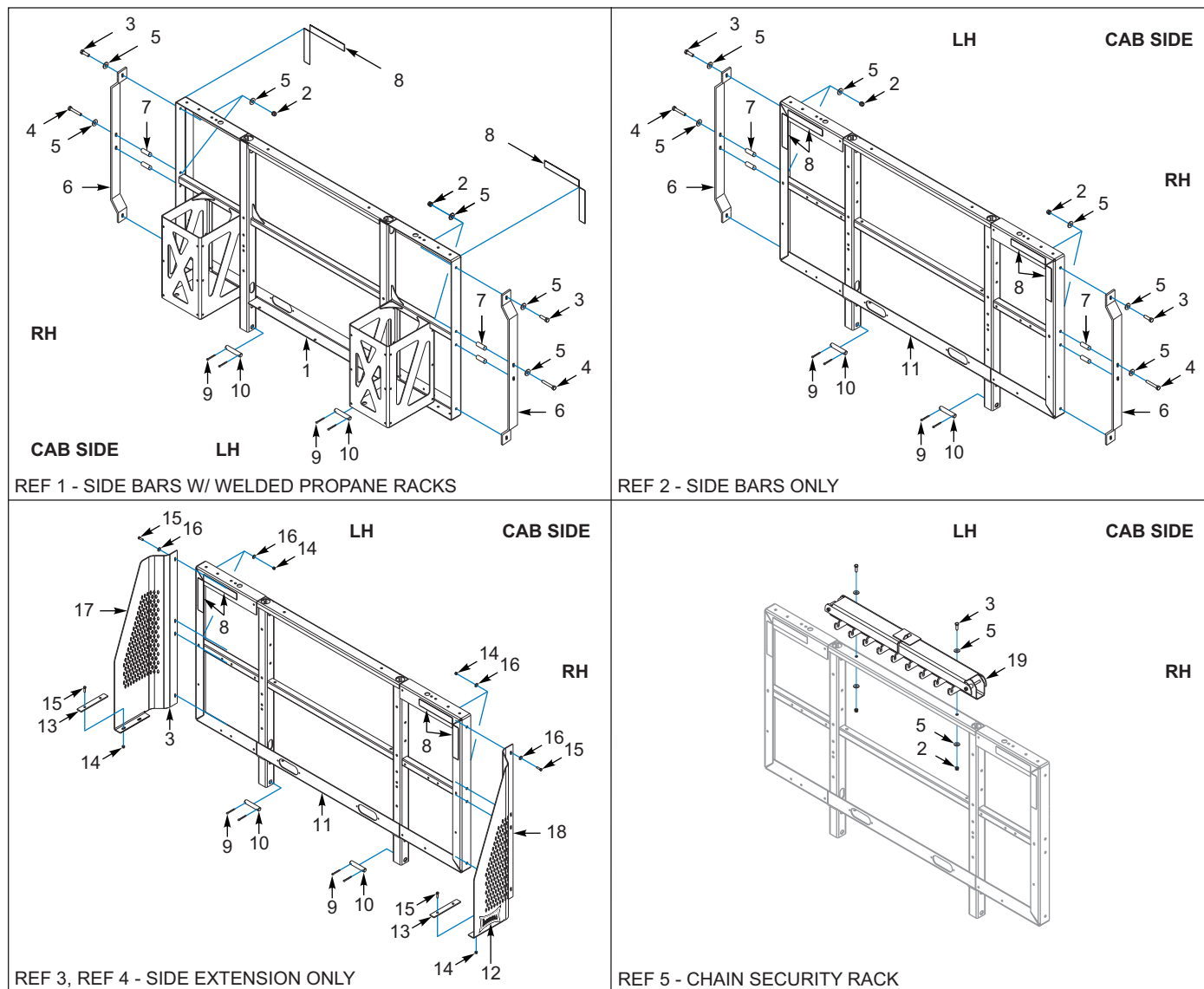
IMPORTANT: IF YOUR BULKHEAD OR OTHER OPTIONS ARE NOT DISPLAYED, PROVIDE THE DEALER WITH THE TRAILER VIN NUMBER TO PROPERLY IDENTIFY ORIGINAL PARTS.

Figure 2-5: Bulkhead Components, 24, 25 & 26 x 102 (OPTIONS)

Bulkhead Components, 24, 25 & 26 x 102 (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223965	BULKHEAD INSTL 24" HX 102"WBLK (REF 1) (INCLUDES ITEMS 1-10)	--
	136848	EXTENSION ASSY 16/24 (400) (REF 2) (INCLUDES ITEMS 8-9, 11-15)	--
	134616	BULKHEAD INSTL 26X102 (REF 3) (INCLUDES ITEMS 8-10, 16)	--
	204075	PROPANE TANK BRACKET INSTALL (REF 4) (INCLUDES ITEMS 9-10, 17)	--
1	225418	BULKHEAD WLDMT, 24" H X 96" W (REF 1) (EXPANDED METAL)	1
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB (REF 1)	8
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2 (REF 1)	4
4	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5 (REF 1)	4
5	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD (REF 1)	16
6	225414	BAR, SIDE, 24" BLKHD 102 EXT (REF 1)	2
7	3-711-010025	SPACER, 48" BULKHEAD, 1 DIA	2
8	3-573-010378	DECAL,2"REFLEXITE TAPE,WHITE (BY THE INCH) (REF 1 REQ 44 INCHES) (REF 2 REQ 49.28 INCHES) (REF 3 REQ 48 INCHES)	--
9	1-557-010362-63	PIN,COTTER 1/4X2 ZP (REF 1, 3-4 REQ 4 EACH) (REF 2 REQ 10 EACH)	--
10	6-557-010163	PIN HITCH LEVELING LINK (REF 1, 3-4)	2
11	1-557-010014	PIN, HAIR 1/4 DIA (REF 2)	2
12	136849	BULKHEAD WLDMT 16/24X102 2POS (REF 2) (SOLID)	1
13	3-482-010249	MOUNT WLDMT BULKHEAD (REF 2)	2
14	3-557-010380	PIN, SUPPORT BULKHEAD (REF 2)	6
15	3-755-010080	SUPPORT WLDMT, BULKHEAD (REF 2)	2
16	134608	BULKHEAD WLDMT 26 X 102 (REF 3) (SOLID)	1
17	204076	HOLDER WLDMT PROPANE TANK (REF 4)	1

Bulkhead Components, 48 x 102 (OPTIONS)



IMPORTANT: IF YOUR BULKHEAD OR OTHER OPTIONS ARE NOT DISPLAYED, PROVIDE THE DEALER WITH THE TRAILER VIN NUMBER TO PROPERLY IDENTIFY ORIGINAL PARTS.

Figure 2-6: Bulkhead Components, 48 x 102 (OPTIONS)

Bulkhead Components, 48 x 102 (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	183602	BULKHEAD INST 102 W/PROPANE-C (REF 1) (INCLUDES ITEMS 1-10)	--
	3-141-010121-2	BULKHEAD INSTL, 102 TRAILER (REF 2) (114592, 225881) (INCLUDES ITEMS 2-11)	--
	128414	BULKHEAD INST BLK/AL WING400 (REF 3) (ALUMINUM INCLUDES ITEMS 8-17A, 18A)	--
	128415	BULKHEAD INST BLK/STL WING400 (REF 4) (STEEL INCLUDES ITEMS 8-17B, 18B)	--
	B7-141-003	CHAIN RACK INST (REF 5) (INCLUDES ITEMS 2, 3, 5, 19)	--
1	130896	BULKHEAD WLDMT 317 SPECIAL (REF 1) (EXPANDED METAL)	1
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB (REF 1-2, 5) (SIDE BARS REQ 8 EACH) (CHAIN RACK REQ 2 EACH)	--
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2 (REF 1-2, 5) (SIDE BARS REQ 8 EACH) (CHAIN RACK REQ 2 EACH)	--
4	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5 (REF 1-2)	4
5	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD (REF 1-2, 5) (SIDE BARS REQ 16 EACH) (CHAIN RACK REQ 4 EACH)	--
6	3-054-010101	BAR,SIDE,48",BULKHEAD,102"EXT (REF 1-2)	2
7	3-711-010025	SPACER, 48" BULKHEAD, 1 DIA (REF 1-2)	2
8	3-573-010378	DECAL,2"REFLEXITE TAPE,WHITE (REF 1-4) (BY THE INCH)	44
9	1-557-010362-63	PIN,COTTER 1/4X2 ZP (REF 1-4)	4
10	6-557-010163	PIN HITCH LEVELING LINK (REF 1-4)	2
11	225880	GALV OF 3-141-010155 (48X96BH) (REF 1-4) (EXPANDED METAL)	1
12	192208	DECAL BOWTIE 6-3/4 X 11 (REF 3-4)	2
13	218689	DOUBLER BAR BULKHEAD (REF 3-4)	2
14	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (REF 3-4)	12
15	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4 (REF 3-4)	12
16	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD (REF 3-4)	16
17	219354	EXTENSION ALUM LH BULKHEAD (REF 3) (17A ALUMINUM)	1
17	219357	EXTENSION BULKHEAD LH 400 (REF 4) (17B STEEL)	1
18	219355	EXTENSION ALUM RH BULKHEAD (REF 3) (18A ALUMINUM)	1
18	219356	EXTENSION BULKHEAD RH 400 (REF 4) (18B STEEL)	1
19	237219	GALV OF 3-141-010008 (BNDR) (REF 5)	1

Bulkhead, Light Bar, Chain Rack (OPTIONS)

IMPORTANT:
ONLY FITS 48 INCH BULKHEAD

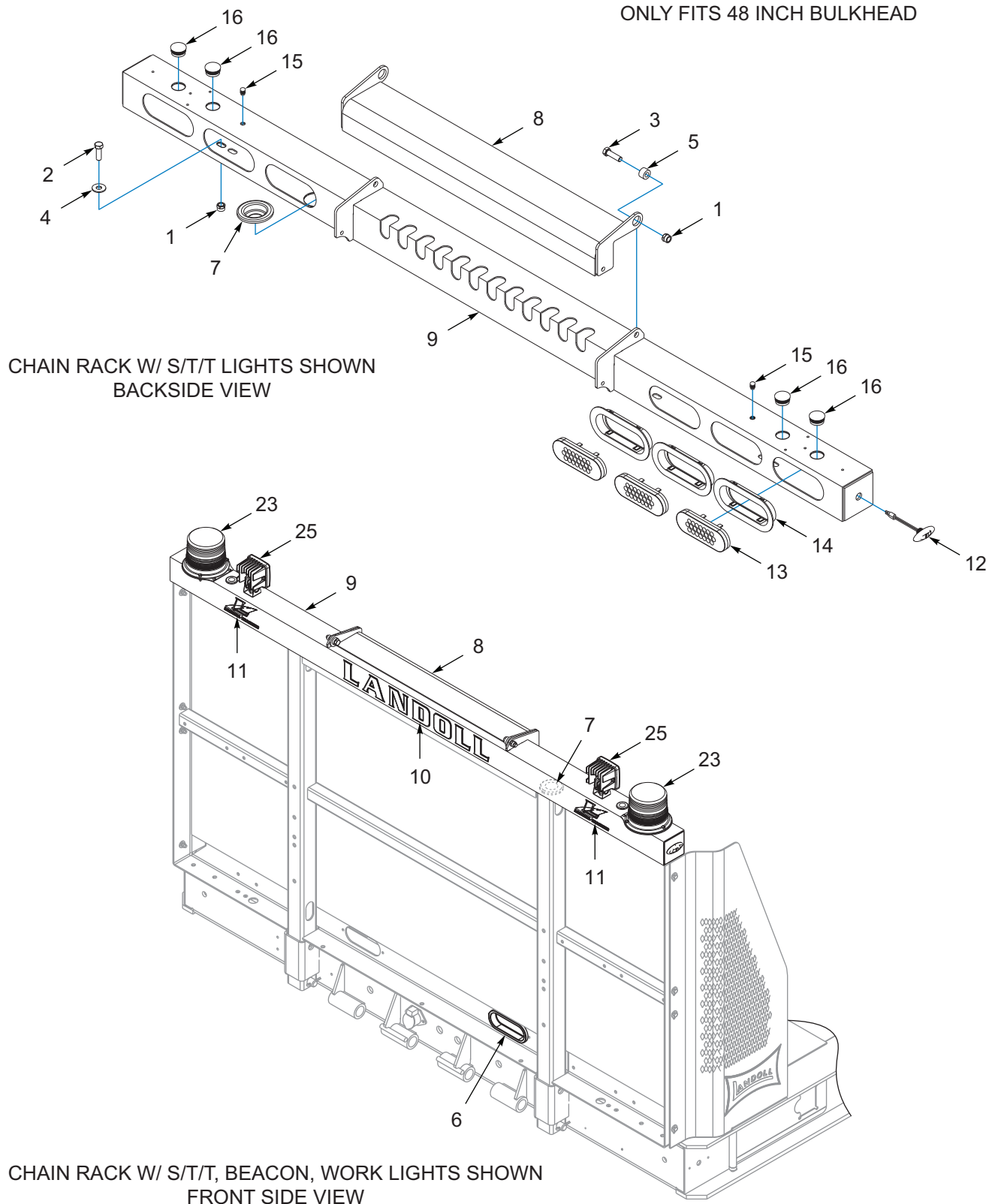
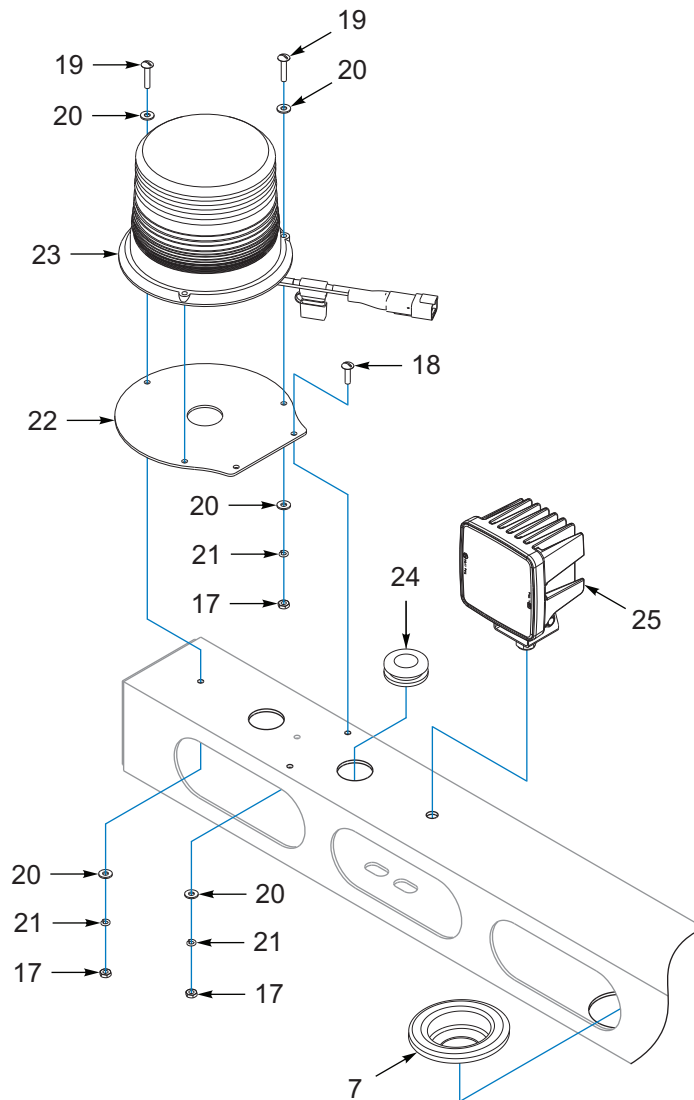


Figure 2-7: Bulkhead, Light Bar, Chain Rack (OPTIONS) (1 of 2)

NOTE:

NO WORK LIGHTS - PLUG EMPTY HOLES WITH ITEMS 15 & 16, 2 EACH

NO BEACON LIGHTS- PLUG EMPTY HOLES WITH ITEM 16, 2 EACH



CHAIN RACK W/ S/T/T, BEACON, WORK LIGHTS SHOWN
BACKSIDE VIEW

Figure 2-8: Bulkhead, Light Bar, Chain Rack (OPTIONS) (2 of 2)

Bulkhead, Light Bar, Chain Rack (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214411	BLKHD CHN RK S/T/T ONLY (REF 1 - S/T/T LIGHTS)	--
	218129	BLKHD CHN RK S/T/T/BCN (REF 2 - S/T/T, BEACON LIGHTS)	--
	214409	BLKHD CHAIN RACK S/T/T/WL/BCN (REF 3 - S/T/T, BEACON, WORK LIGHTS)	--
	214410	BLKHD CHN RACK S/T/T/WL/BCN HD (REF 4 - S/T/T, BEACON, WORK LIGHTS, HEAVY DUTY)	--
	214407	BLKHD CHN RK S/T/T WL (REF 5 - S/T/T, WORK LIGHTS)	--
	214408	BLKHD CHN RK S/T/T WL HD (REF 6 - S/T/T, WORK LIGHTS, HEAVY DUTY)	--
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB (REF 1-6)	4
2	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2 (REF 1-6)	2
3	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4 (REF 1-6)	2
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD (REF 1-6)	2
5	125799	SPACER, 1 OD X 1/2 ID X .632 (REF 1-6)	2
6	143114	GROMMET OVAL GROTE (REF 1-6)	1
7	153102	GROMMET MOUNT 2-5/16" GROTE (REF 1-6)	1
8	167975	LID WLDMT CHAIN BINDER (REF 1-6)	1
9	191811	TUBE WLDMT BHD TOPPER 3/4DIA (REF 1-6)	1
10	193456	DECAL LANDOLL 28-5/16 X 3-7/32 (REF 1-6)	1
11	196165	DECAL HIGHWAY L (REF 1-6)	2
12	213297	LIGHT YEL CLEAR LENS MKR (REF 1-6) (ELECTRICAL - SEE PAGE 7-19)	2
13	213295	LIGHT CLEAR LENS S/T/T (REF 1-6) (ELECTRICAL - SEE PAGE 7-19)	6
14	213296	FLANGE CHROME FLAT OBLONG (REF 1-6)	6
15	1-578-010015-04	PLUG, PLASTIC PANEL 3/8 (REF 1-2)	2
16	116324	PLUG,PLAST PANEL1-5/16&1-7/16 (REF 1-2, 5-6) (REF 1 REQ 4 EACH) (REF 2, 5-6 REQ 2 EACH)	--
17	1-512-010007-03	NUT, HEX 10-24 GR2 ZP (REF 2-4)	10
18	1-656-010003051	SCREW,RH HD MACH 10-24X3/4 (REF 2-4)	4
19	1-656-010003053	SCREW RD HD MACH 10-24X1 (REF 2-4)	6
20	1-861-010032-03	WASHER, FLAT #10 ZP/CD (REF 2-4)	16
21	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10 (REF 2-4)	10
22	191545	PLATE BEACON MOUNTING (REF 2-4)	2
23	184501	STROBE BEACON DEUTSCH CONN (REF 2-4) (AMBER) (ELECTRICAL - SEE PAGE 7-19)	2
24	1-343-010006	GROMMET (REF 3-6)	2
25	163996	LIGHT,12V SQUARE LED FLOOD (REF 3-6) (INCLUDES MOUNTING HARDWARE AND RUBBER SHOCK) (ELECTRICAL - SEE PAGE 7-19)	2

Decking, Trailer and Tail

ITEM	PART NUMBER	DESCRIPTION	QTY.
	113554	DECK APTG 45/12,48/15 RMP (REF 1, TRAILER W/ 6FT RAMP)	--
	113556	DECK APTG 48/12,50/14,51/15 (REF 2, TRAILER W/ 6FT RAMP)	--
	188189	DECK RMP 50/12,52/14,53/15 (REF 3, TRAILER W/ 6FT RAMP)	
	113557	DECK APTG 12FT TAIL (REF 4, 12FT TAIL)	--
	113558	DECK APTG 14FT TAIL (REF 5, 14FT TAIL)	--
	113559	DECK APTG 15FT TAIL (REF 6, 15FT TAIL)	--
1	RWD39000	APITONG, 1-3/8 X 7.08 4.0 (STANDARD DECKING) (ORDER BY CUSTOMER TOTAL FEET MEASUREMENT)	--
2	RWD39021	APITONG, 1 X 7.08, 2.65 (USED ON TAIL ASSY W/ TREAD GRIP - SEE PAGE 2-25 & PAGE 2-27) (ORDER BY CUSTOMER TOTAL FEET MEASUREMENT)	--
2	158732	SCREW,5/16X2-1/4ZP TORX FLOOR (NOT USED WITH TAIL ASSY W/ TREAD GRIP - SEE PAGE 2-25 & PAGE 2-27) (TORX T40, PILOT HOLE 9/32") (REF 1 REQ 410 EACH) (REF 2 REQ 480 EACH) (REF 3 REQ 532 EACH) (REF 4 REQ 245 EACH) (REF 5-6 REQ 285 EACH)	--
3	145499	PRESERVATIVE WOODGUARD (BY THE GALLON) (BOARD SEALER) (REF 1-3 REQ 1 GALLON) (REF 4-6 REQ .5 GALLON)	--
4	194465	IPE WOOD END GRAIN SEALER (BY TE GALLON) (END SEALER) (REF 1-6 REQ .07 GALLON)	--

Landing Legs, Gear, 2 Spd, Flip Crank, Front Interior Low Mt Bkt

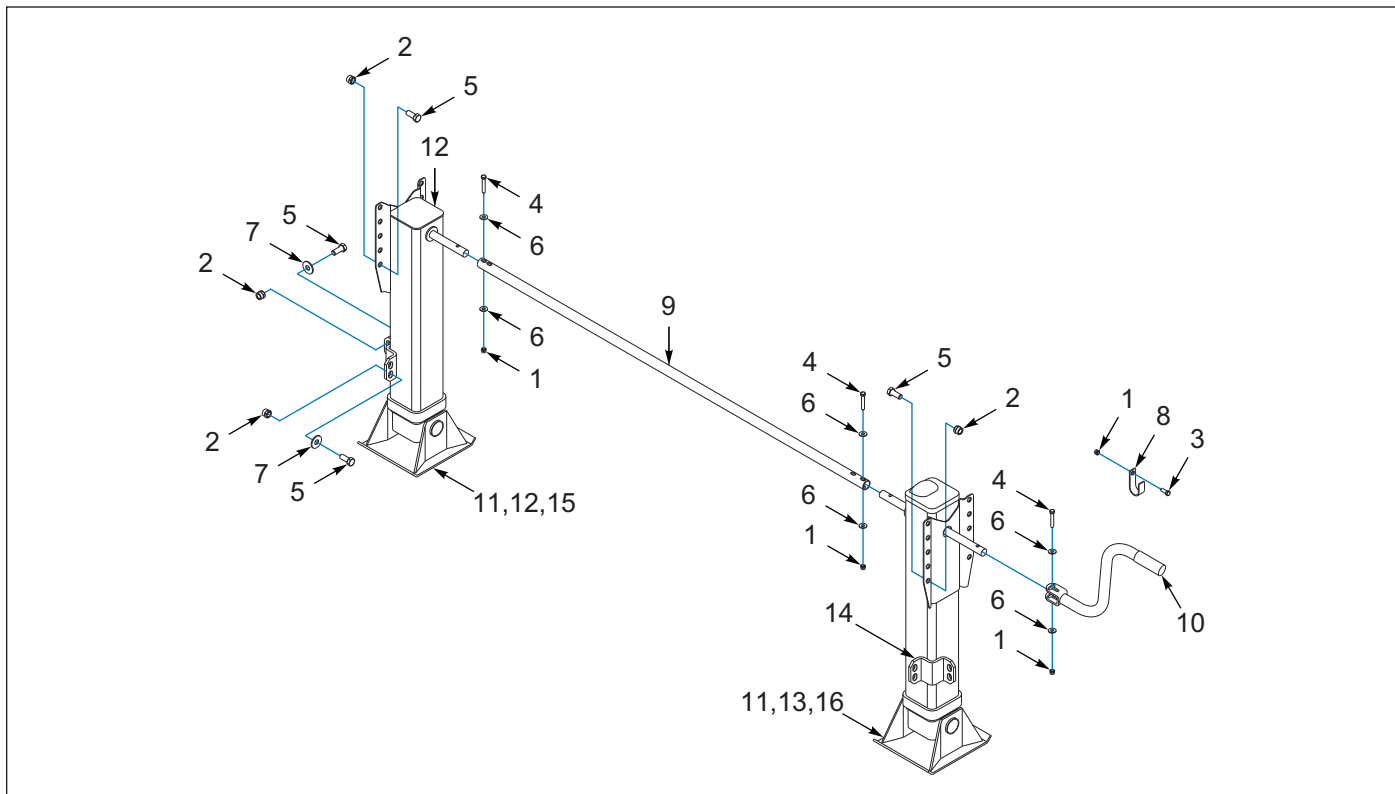


Figure 2-9: Landing Legs, Gear, 2 Spd, Flip Crank, Front Interior Low Mt Bkt

Landing Legs, Gear, 2 Spd, Flip Crank, Front Interior Low Mt Bkt

ITEM	PART NUMBER	DESCRIPTION	QTY.
	117558	LANDING GEAR INST - JOST 410	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	4
2	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	24
3	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	1
4	1-654-010051-10	SCREW,HX CP3/8-16X2-1/4 GR5	3
5	1-654-010059-03	SCREW 5/8-11UNCX1-1/2 HXCX G5	24
6	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	6
7	1-861-010032-19	WASHER, FLAT 5/8 W ZP/CD	4
8	117559	CLIP LDG GEAR HANDLE	1
9	117561	CROSS-SHAFT LANDING GEAR 410	1
10	119949	HANDLE,CRANK 2-SPD LDG GR,410	1
11	139256	LANDING GEAR 2SPD 400/900WLDMT (SET INCLUDES ITEMS 12-13)	1
12	225286	LEG CURBSIDE REPLT 400/900 WLD (INCLUDED WITH ITEM 11) (INCLUDES ITEMS 14-15)	1
13	225287	LEG STREETSIDE REPLT400/900WLD (INCLUDED WITH ITEM 11) (INCLUDES ITEMS 14, 16)	1
14	139255	ANCHOR,LWR,PARK STAND 410/930 (INCLUDED WITH ITEMS 11-13)	2
15	137974	RH LANDING GEAR LEG A401T19 (CURBSIDE LEG, WO/ ITEM 14) (INCLUDED WITH ITEM 12) (COMPONENTS - SEE PAGE 2-19)	1
16	225284	LH LANDING LEG CRANK SIDE (STREETSIDE LEG, WO/ ITEM 14) (INCLUDED WITH ITEM 13) (COMPONENTS - SEE PAGE 2-19)	1

Landing Legs, Pinned (OPTION)

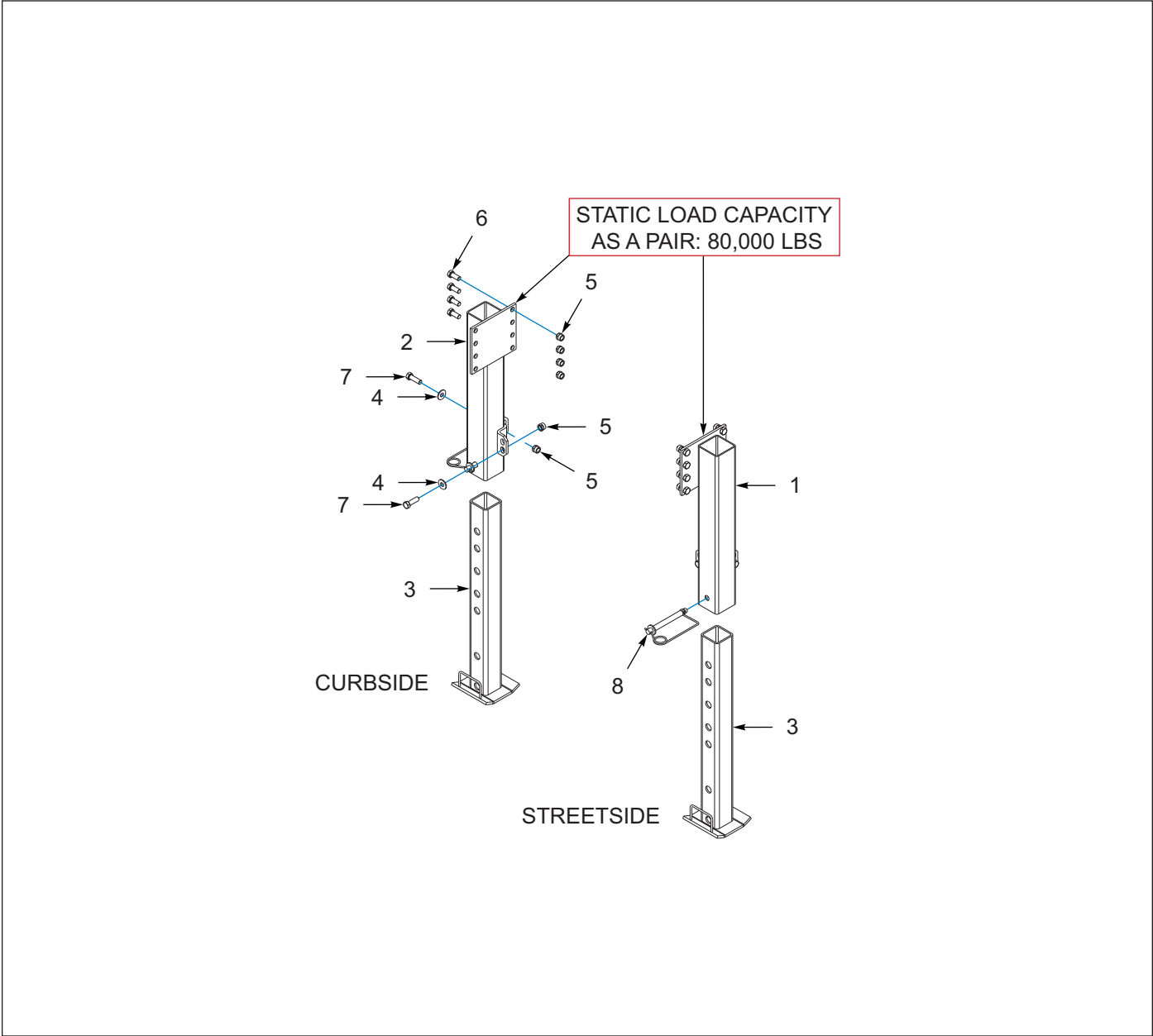


Figure 2-10: Landing Legs, Pinned (OPTION)

Landing Legs, Pinned (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	104243	PARK STAND INSTL, PIN DROP (REQ ITEMS 1-8)	--
1	112678	PARK STD WLDMT,LH FRONT PIN	1
2	112679	PARK STD WLDMT,RH FRONT PIN	1
3	3-725-010058	STAND, PARK INSIDE WLDMT (32-3/4 TUBE)	2
4	1-861-010032-19	WASHER, FLAT 5/8 W ZP/CD	4
5	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	20
6	1-654-010059-03	SCREW 5/8-11UNCX1-1/2 HXCP G5	16
7	1-654-010059-05	SCREW,HEX CAP,5/8-11UNCX2 GR5	4
8	346SL	SNAP LOCK PIN 3/4" W/ WASHER	2

Landing Leg Components, Gear, 2 Spd

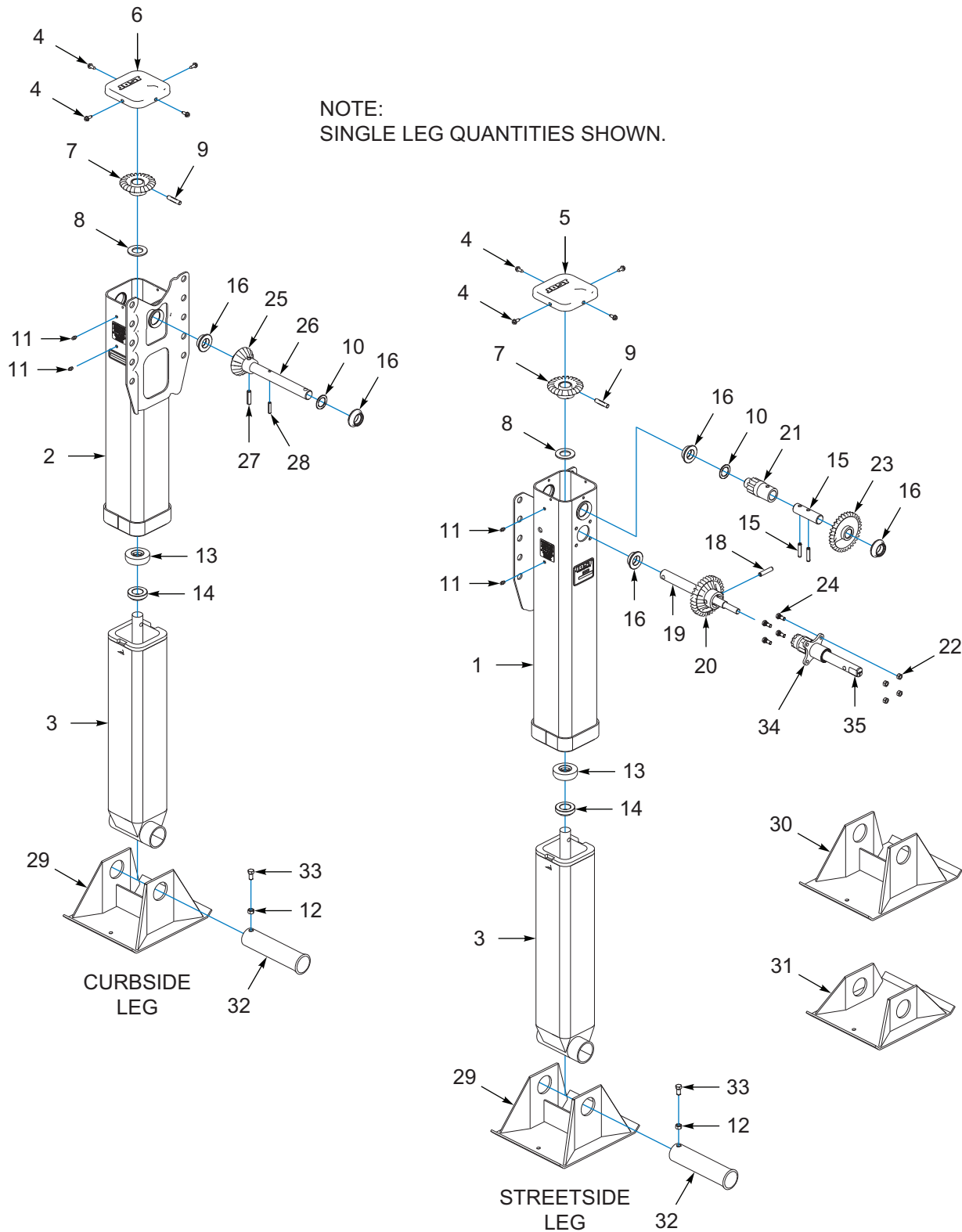


Figure 2-11: Landing Leg Components, Gear, 2 Spd

Landing Leg Components, Gear, 2 Spd

ITEM	PART NUMBER	DESCRIPTION	QTY.
	116800	LANDING GEAR JOST #A401T19 (19" TRAVEL)	--
1		UPPER HOUSING, 2 SPEED (19" STREETSIDE)	1
2		UPPER HOUSING, 1 SPEED (19" CURBSIDE)	1
3		INNER LANDING LEG (19" LOWER LEG ASSEMBLY)	1
4	-----	COVER SCREW	4
5	-----	COVER, 2 SPEED (STREETSIDE)	1
6	-----	COVER, 1 SPEED (CURBSIDE)	1
7	-----	BEVEL GEAR	1
8	-----	THRUST WASHER	1
9	-----	GROOVED PIN	1
10	-----	SPACER WASHER	1
11	-----	GREASE FITTING	2
12	A10038.7	SELF LOCKING NUT	1
13	-----	THRUST WASHER	1
14	-----	COLLAR	1
15	-----	OUTPUT SHAFT	1
16	-----	BUSHING (STREETSIDE REQ 3 EACH) (CURBSIDE REQ 2 EACH)	--
17	-----	SPIRAL PIN	2
18	-----	ROLL PIN 3/8 X 1-3/4	1
19	-----	OUTPUT CLUSTER SHAFT	1
20	-----	OUTPUT CLUSTER SHAFT GEAR	1
21	-----	OUTPUT SPUR GEAR	1
22	-----	SELF LOCKING NUT	4
23	-----	INPUT SPUR GEAR	1
24	-----	SHIFT HOUSING BOLT	4
25	-----	PINION GEAR, 1 SPEED	1
26	-----	PINION SHAFT, 1 SPEED	1
27	-----	ROLL PIN 3/8 X 1-1/2	1
28	-----	ROLL PIN 1/4 X 1-1/4	1
29	114529	JOST C10035 SHOE FOR 109709 (10 X 10 X 4-1/2)	1
30	C10256	SAND SHOE (10 X 12 X 4-1/2)	1
31	204228	SAND SHOE 10X10X2 (129198) (10 X 10 X 2)	1
32	114983	SHOE AXLE B10036 FOR 109709 (PIN)	1
33	A10037.3	HEX HEAD BOLT	2
34	163502	SHAFT HOUSING SERVICE KIT (KIT INCLUDES ITEMS 34-36)	1
35	207360	SHIFT HOUSING SERVICE KIT (KIT INCLUDES ITEMS 34-37)	1
36	-----	DETENT SPRING (INCLUDED WITH ITEMS 26-27, NOT SHOWN)	1
37	-----	DETENT BALL (INCLUDED WITH ITEMS 26-27, NOT SHOWN)	2
38	-----	SHIFT HOUSING (INCLUDED WITH ITEMS 26-27, NOT SHOWN)	1
39	-----	INPUT GEAR SHAFT (INCLUDED WITH ITEM 27, NOT SHOWN)	1

Tail Components

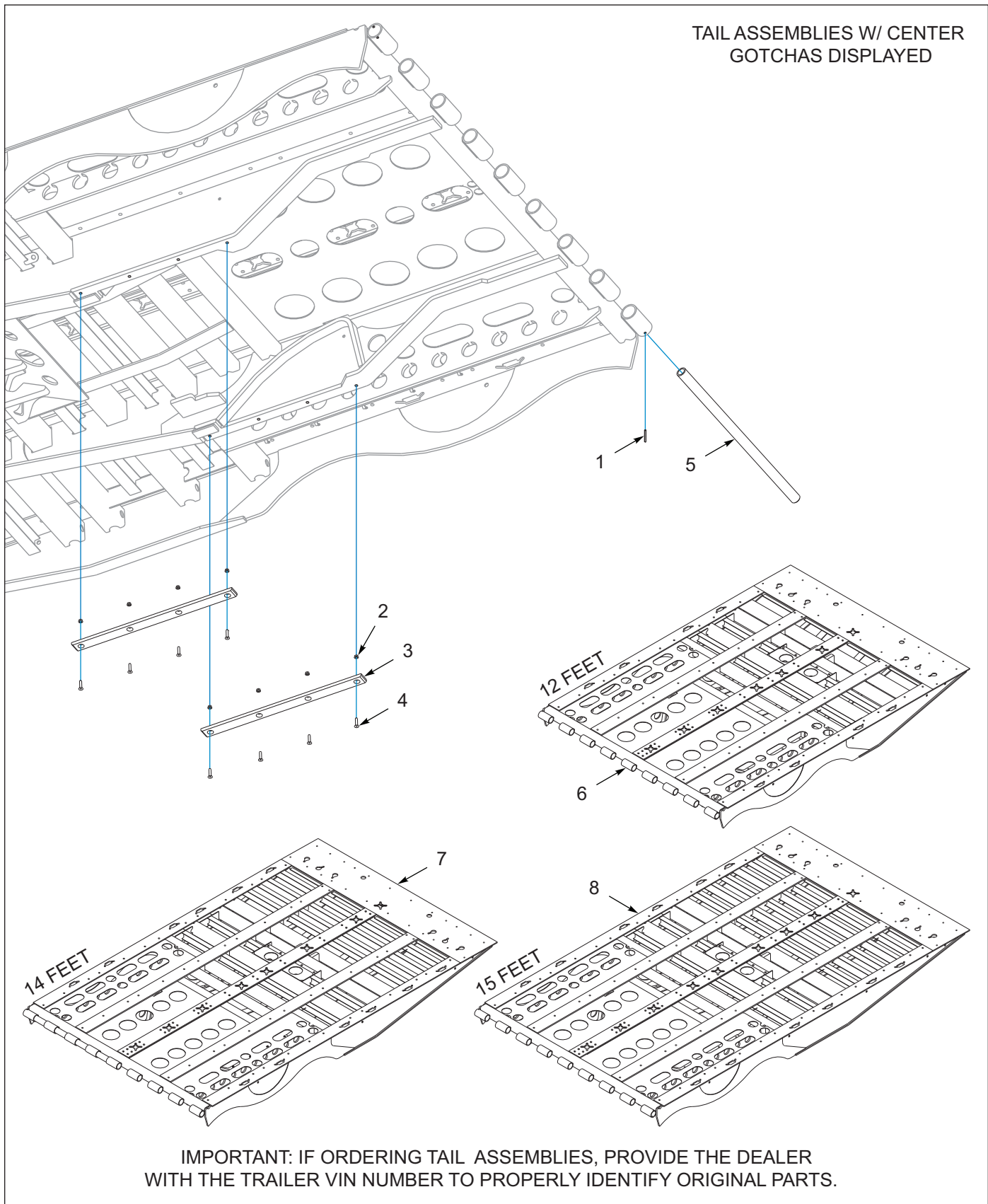


Figure 2-12: Tail Assembly, General Components

Tail Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	195848	TAIL ASSY 900-12FT 235 TIRE (WO/ CENTER GOTCHAS)	--
	222951	TAIL ASSY 900-12FT 235 TIRE (CENTER GOTCHAS)	--
	195849	TAIL ASSY 900-12FT 255 TIRE (WO/ CENTER GOTCHAS)	--
	222952	TAIL ASSY 900-12FT 255 TIRE (CENTER GOTCHAS)	--
	195850	TAIL ASSY 900-14FT 235 TIRE (WO/ CENTER GOTCHAS)	--
	222953	TAIL ASSY 900-14FT 235 TIRE (CENTER GOTCHAS)	--
	195851	TAIL ASSY 900-14FT 255 TIRE (WO/ CENTER GOTCHAS)	--
	222954	TAIL ASSY 900-14FT 255 TIRE (CENTER GOTCHAS)	--
	195852	TAIL ASSY 900-15FT 235 TIRE (WO/ CENTER GOTCHAS)	--
	222955	TAIL ASSY 900-15FT 235 TIRE (CENTER GOTCHAS)	--
	195853	TAIL ASSY 900-15FT 255 TIRE (WO/ CENTER GOTCHAS)	--
	222956	TAIL ASSY 900-15FT 255 TIRE (CENTER GOTCHAS)	--
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	1
6	195807	TAIL WLDMT 900-12FT 235 (WO/ CENTER GOTCHAS)	1
6	195808	GALVANIZING OF 195807(12'TAIL) (WO/ CENTER GOTCHAS)	1
6	219310	TAIL WLDMT 900-12FT 235 (CENTER GOTCHAS)	1
6	219311	GALV OF 219310 (12' TAIL) (CENTER GOTCHAS)	1
6	195809	TAIL WLDMT 900-12FT 255 (WO/ CENTER GOTCHAS)	1
6	195810	GALVANIZING OF 195809(12'TAIL) (WO/ CENTER GOTCHAS)	1
6	219312	TAIL WLDMT 900-12FT 255 (CENTER GOTCHAS)	1
6	219313	GALV OF 219312 (12' TAIL) (CENTER GOTCHAS)	1
7	195812	TAIL WLDMT 900-14FT 235 (WO/ CENTER GOTCHAS)	1
7	195813	GALVANIZING OF 195812(14'TAIL) (WO/ CENTER GOTCHAS)	1
7	221022	TAIL WLDMT 900-14FT 235 (CENTER GOTCHAS)	1
7	221023	GALV OF 221022 (14' TAIL) (CENTER GOTCHAS)	1
7	195814	TAIL WLDMT 900-14FT 255 (WO/ CENTER GOTCHAS)	1
7	195815	GALVANIZING OF 195814(14'TAIL) (WO/ CENTER GOTCHAS)	1
7	221024	TAIL WLDMT 900-14FT 255 (CENTER GOTCHAS)	1
7	221025	GALV OF 221024 (14' TAIL) (CENTER GOTCHAS)	1
8	195817	TAIL WLDMT 900-15FT 235 (WO/ CENTER GOTCHAS)	1
8	195818	GALVANIZING OF 195817(15'TAIL) (WO/ CENTER GOTCHAS)	1
8	220408	TAIL WLDMT 900-15FT 235 (CENTER GOTCHAS)	1
8	220442	GALV OF 220408 15'TAIL 235 (CENTER GOTCHAS)	1
8	195819	TAIL WLDMT 900-15FT 255 (WO/ CENTER GOTCHAS)	1
8	195820	GALVANIZING OF 195819(15'TAIL) (WO/ CENTER GOTCHAS)	1
8	220409	TAIL WLDMT 900-15FT 255 (CENTER GOTCHAS)	1
8	220443	GALV OF 220409 15'TAIL 255 (CENTER GOTCHAS)	1

Tail Approach Plate, Tread Grip (OPTIONS)

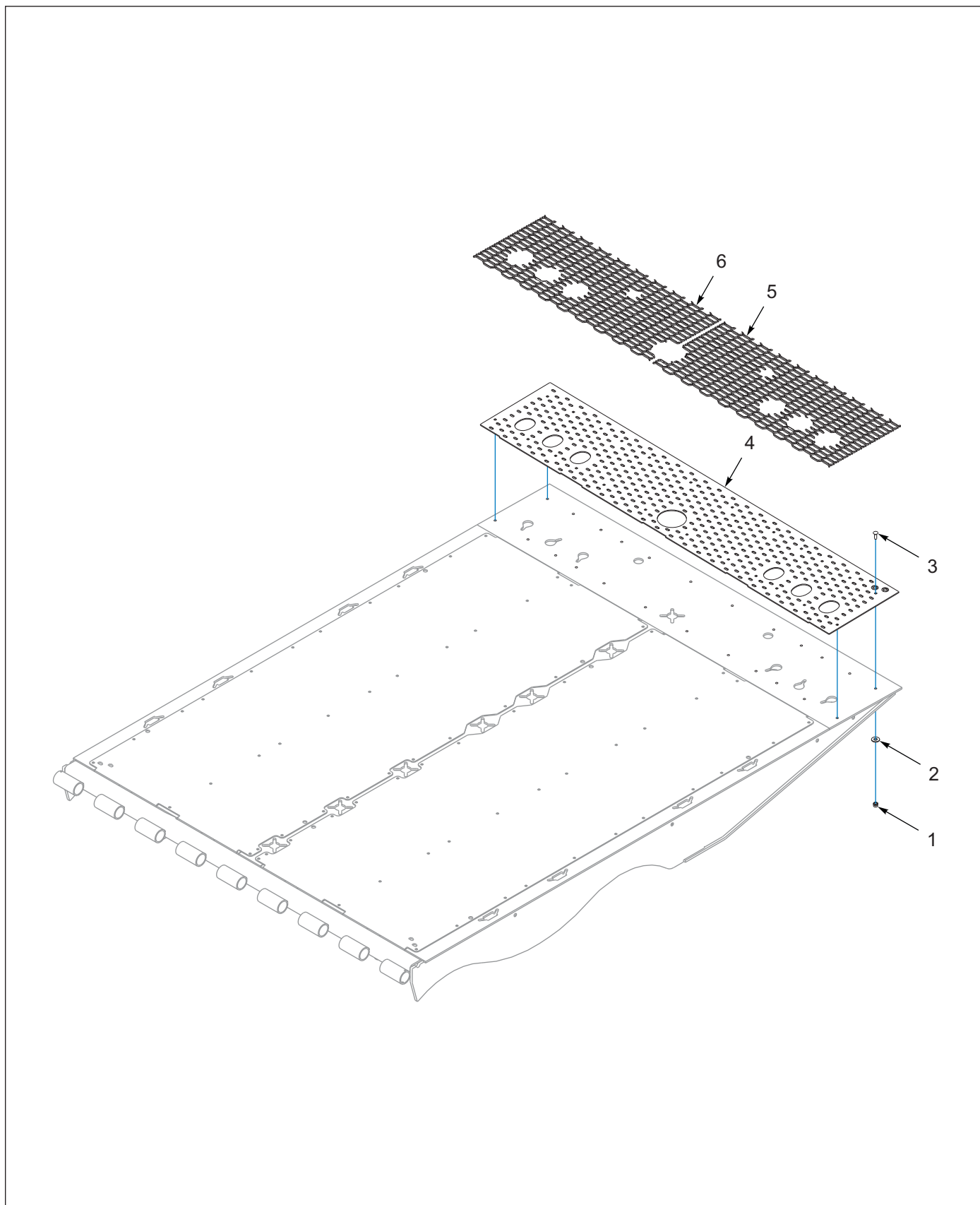


Figure 2-13: Tail Approach Plate, Tread Grip (OPTIONS)

Tail Approach Plate, Tread Grip (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	222965	TREAD GRIP,BO,900 APPR,TRL CLR (REF 1) (INCLUDES ITEMS 1-4)	--
	222966	TREAD GRIP,BO,900 APPR,GALV (REF 2) (INCLUDES ITEMS 1-4)	--
	223043	DECK EXP STL #4,900 APPR (REF 3) (INCLUDES ITEMS 5-6) (EXPANDED METAL, WELD-ON)	--
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 CO LOR (REF 1)	1
4	220432	GALV OF 220430 TRD GRIP (REF 2)	1
5	235667	EXP METAL,LH OVERLAY,900 APPR (REF 3)	1
6	235668	EXP METAL,RH OVERLAY,900 APPR (REF 3)	1

Tail Deck, Tread Grip, W/ Center Gotchas (OPTIONS)

NOT SHOWN:
14 - APITONG
15 - WOODGUARD
16 - END GRAIN SEALER

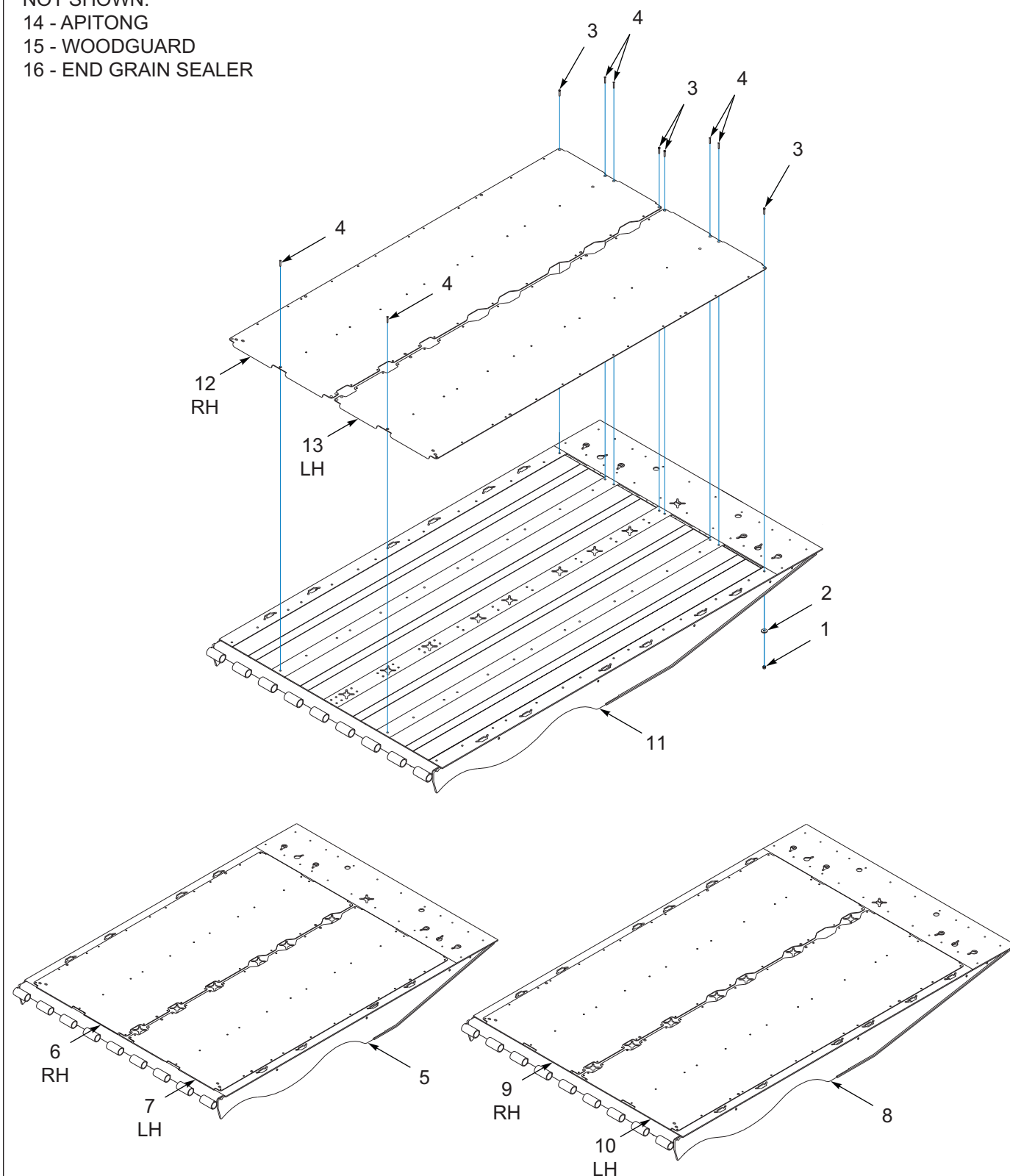


Figure 2-14: Tail Deck, Tread Grip, W/ Center Gotchas (OPTIONS)

Tail Deck, Tread Grip, W/ Center Gotchas

ITEM	PART NUMBER	DESCRIPTION	QTY.
	222968	TREAD GRIP,BO,900-12 TL,TLRCLR (REF 1)	--
	222969	TREAD GRIP,BO,900-12TAIL,GALV (REF 2)	--
	222970	TREAD GRIP,BO,900-14,TRLCLR (REF 3)	--
	222971	TREAD GRIP,BO,900-14 TAIL,GALV (REF 4)	--
	222972	TREAD GRIP,BO,900-15TL,TRL CLR (REF 5)	--
	222973	TREAD GRIP,BO,900-15TAIL,GALV (REF 6)	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (REF 1-2 REQ 68 EACH) (REF 3-4 REQ 80 EACH) (REF 5-6 REQ 86 EACH)	--
2	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD (REF 1-2 REQ 68 EACH) (REF 3-4 REQ 80 EACH) (REF 5-6 REQ 86 EACH)	--
3	103988	SCREW,RDHD,SQ NK3/8-16X1-3/4 (REF 1-2 REQ 62 EACH) (REF 3-4 REQ 74 EACH) (REF 5-6 REQ 80 EACH)	--
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 (ORDER BY CUSTOMER TOTAL FEET MEASUREMENT)	--
15	145499	PRESERVATIVE WOODGUARD (BOARD SEALER) (BY THE GALLON)	.5
16	194465	IPE WOOD END GRAIN SEALER (END SEALER) (BY THE GALLON)	.07

Tail Deck, Tread Grip, W/ Center Gotchas, Traction Bars (OPTIONS)

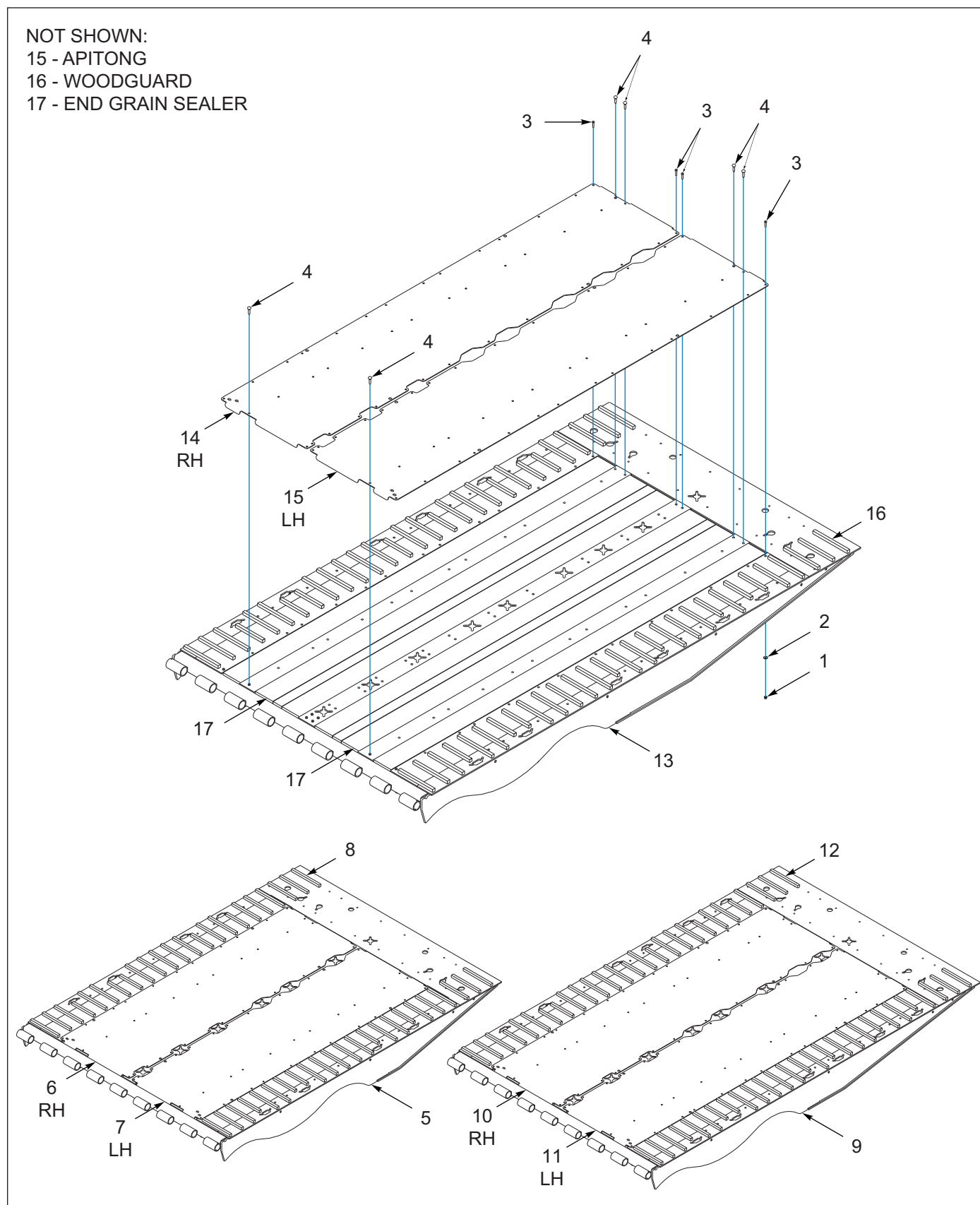
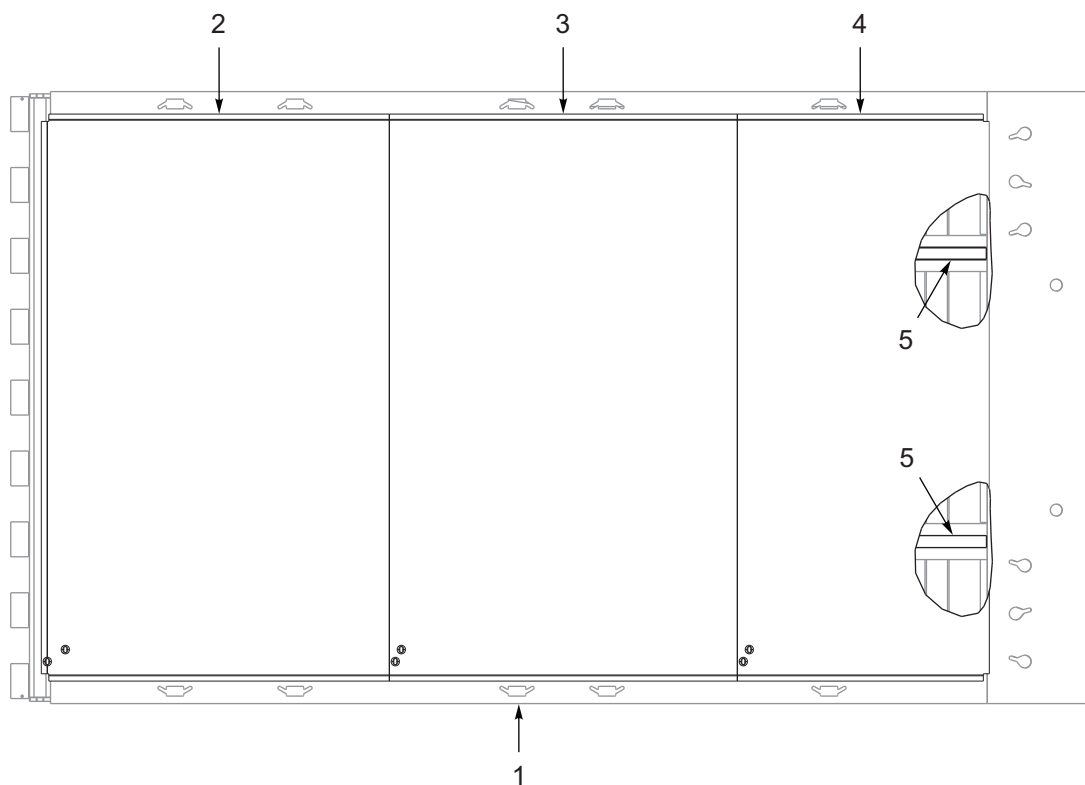


Figure 2-15: Tail Deck, Tread Grip, W/ Center Gotchas, Traction Bars (OPTIONS)

Tail Deck, Tread Grip, W/ Center Gotchas, Traction Bars (OPTIONS)

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 (ADDED 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
15	RWD39021	APITONG, 1 X 7.08, 2.65 (ORDER BY CUSTOMER TOTAL FEET MEASUREMENT)	--
16	145499	PRESERVATIVE WOODGUARD (BOARD SEALER) (BY THE GALLON)	.5
17	194465	IPE WOOD END GRAIN SEALER (END SEALER) (BY THE GALLON)	.07

Tail Deck, Tread Grip, WO/ Center Gotchas (OPTIONS)



NOT SHOWN:

6 - APITONG

7 - WOODGUARD

8 - SCREWS

9 - END GRAIN SEALER

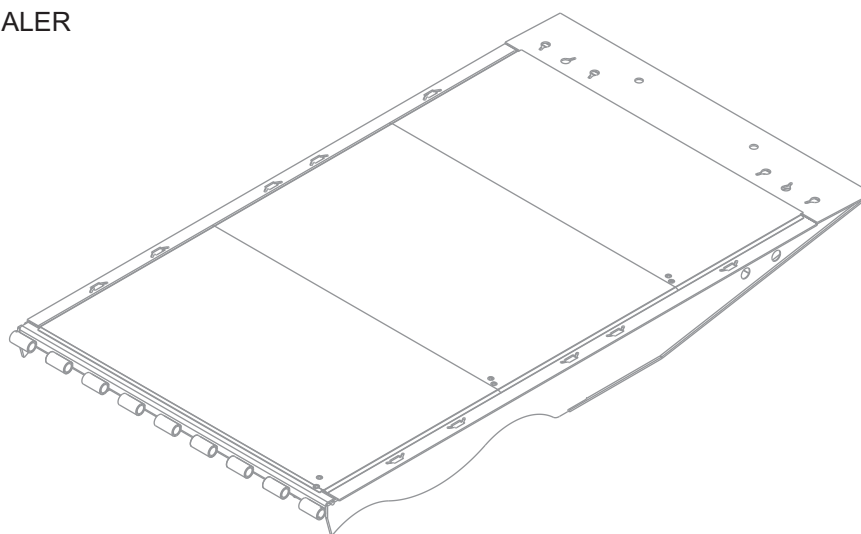


Figure 2-16: Tail Deck, Tread Grip, WO/ Center Gotchas (OPTIONS)

Tail Deck, Tread Grip, WO/ Center Gotchas

ITEM	PART NUMBER	DESCRIPTION	QTY.
	122680	DECK TRD GRIP/OVER WD 12'TAIL (12FT) (134739) (INCLUDES ITEMS 2-5)	--
	120035	DECK TRD GRIP/OVER WD 14'TAIL (14FT) (INCLUDES ITEMS 2-5)	--
	117503	DECK TRD GRIP/OVER WD 15'TAIL (15FT) (130266, 178648) (INCLUDES ITEMS 2-5)	--
1	195848	TAIL ASSY 900-12FT 235 TIRE (REF 1)	--
1	195849	TAIL ASSY 900-12FT 255 TIRE(REF 2)	--
1	195850	TAIL ASSY 900-14FT 235 TIRE (REF 3)	--
1	195851	TAIL ASSY 900-14FT 255 TIRE (REF 4)	--
1	195852	TAIL ASSY 900-15FT 235 TIRE (REF 5)	--
1	195853	TAIL ASSY 900-15FT 255 TIRE (REF 6)	--
2	117504	PLATE TRD GRIP 58X94-1/2 FRT (12FT, 14FT, 15FT)	1
3	120038	PLATE TRD GRIP 32X94-1/2 (12FT)	1
3	117505	PLATE TRD GRIP 58X94-1/2 (14FT, 15FT)	1
4	199973	PLATE TRD GRIP 32X94-1/2 NOTCH (12FT)	1
4	122681	PLATE TRD GRIP 30X94-1/2 (14FT)	1
4	199972	PLATE TRD GRIP 42X94-1/2 NOTCH (15FT)	1
5	122684	BAR FL 1/4X2X120 A36 (12FT)	2
5	120039	BAR FL 1/4X2X144 A36 (14FT)	2
5	117507	BAR FL 1/4X2X156 (15FT)	2
6	RWD39000	APITONG, 1-3/8 X 7.08 4.0 (ORDER BY CUSTOMER TOTAL FEET MEASUREMENT)	--
7	145499	PRESERVATIVE WOODGUARD (BOARD SEALER) (BY THE GALLON)	.5
8	158732	SCREW,5/16X2-1/4ZP TORX FLOOR (T40) (REF 1-2 REQ 245 EACH) (REF 3-6 REQ 285 EACH)	--
9	194465	IPE WOOD END GRAIN SEALER (END SEALER) (BY THE GALLON)	.07

Undercarriage Components

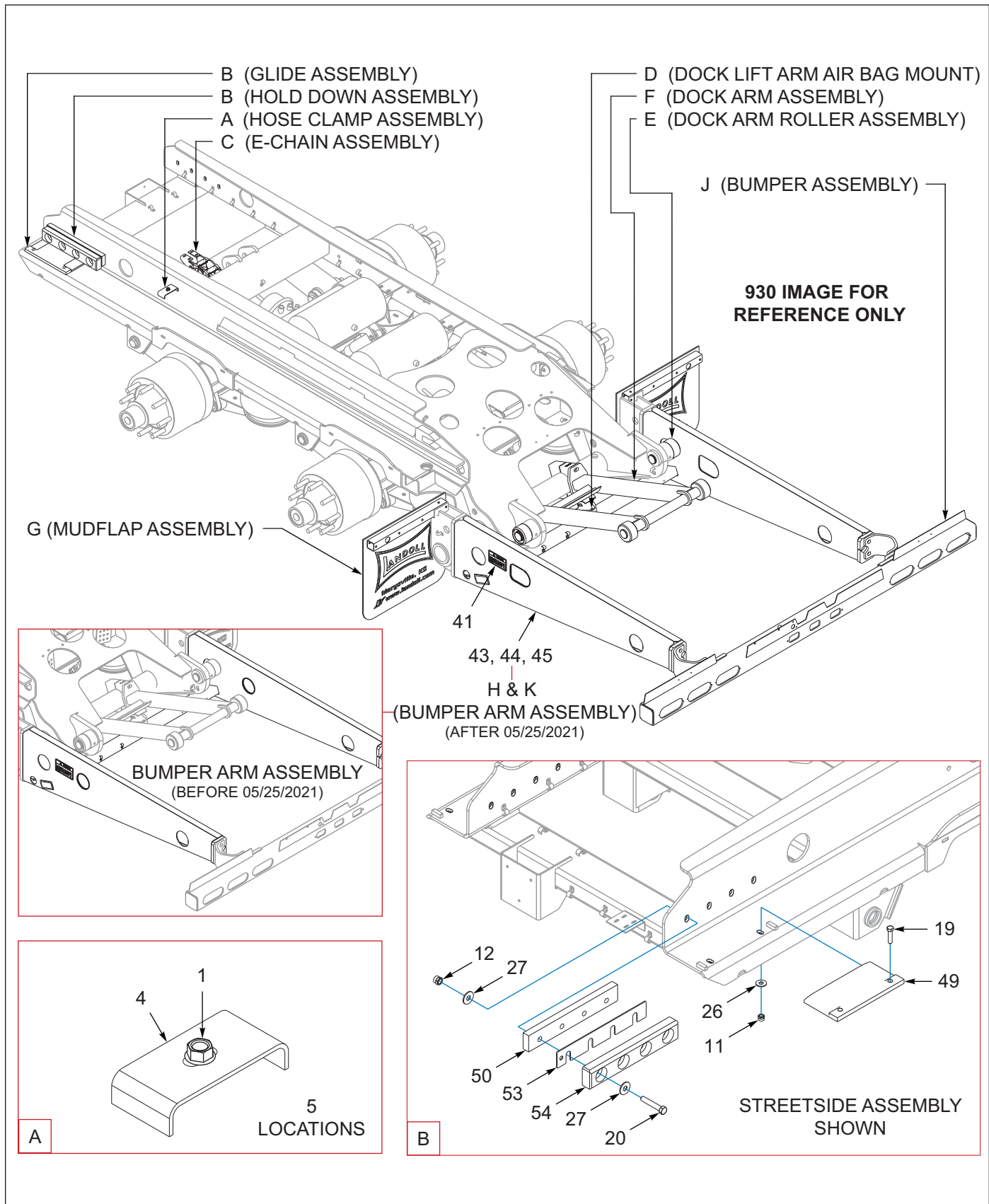


Figure 2-17: Undercarriage Components (1 of 3)

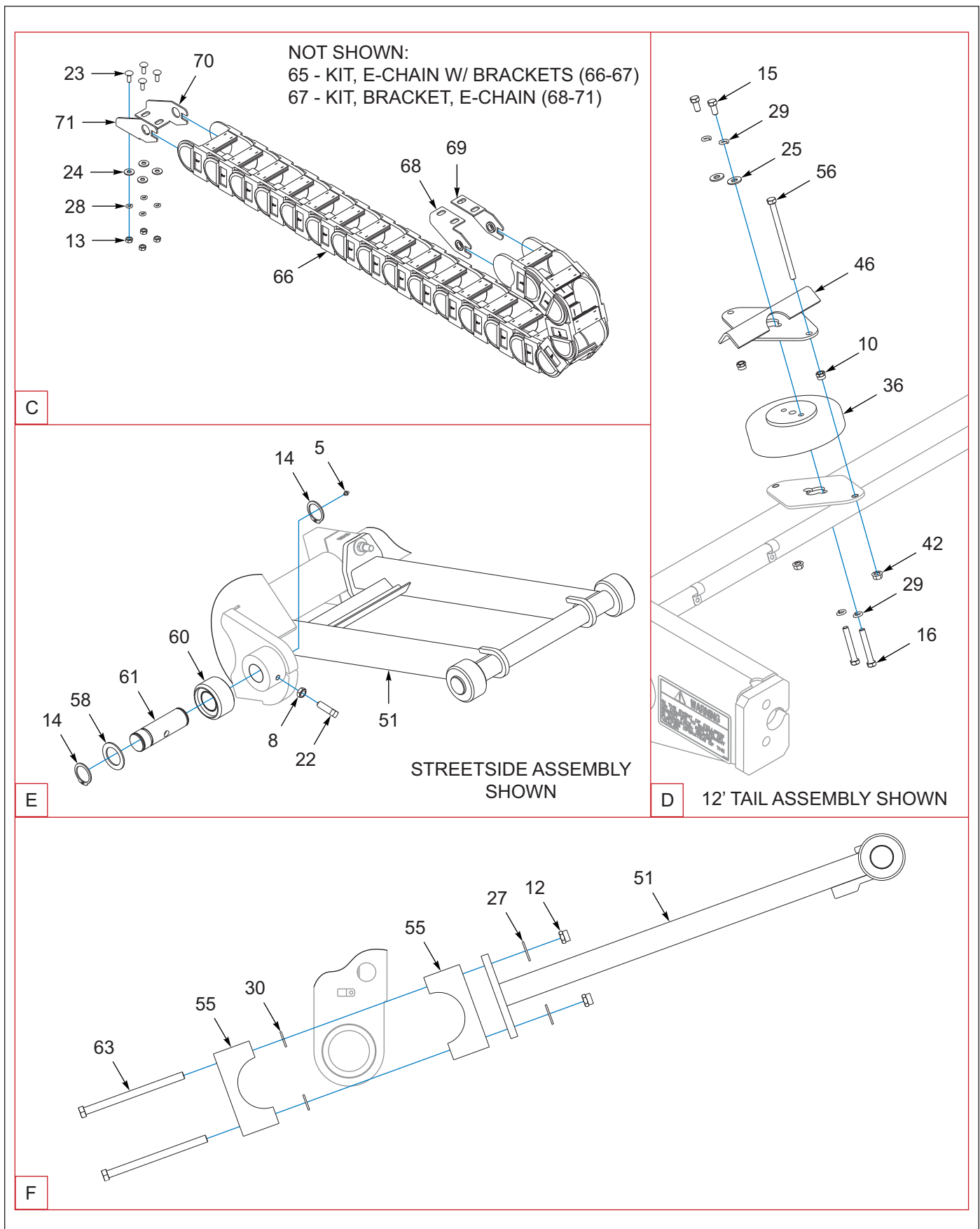


Figure 2-18: Undercarriage Components (2 of 3)

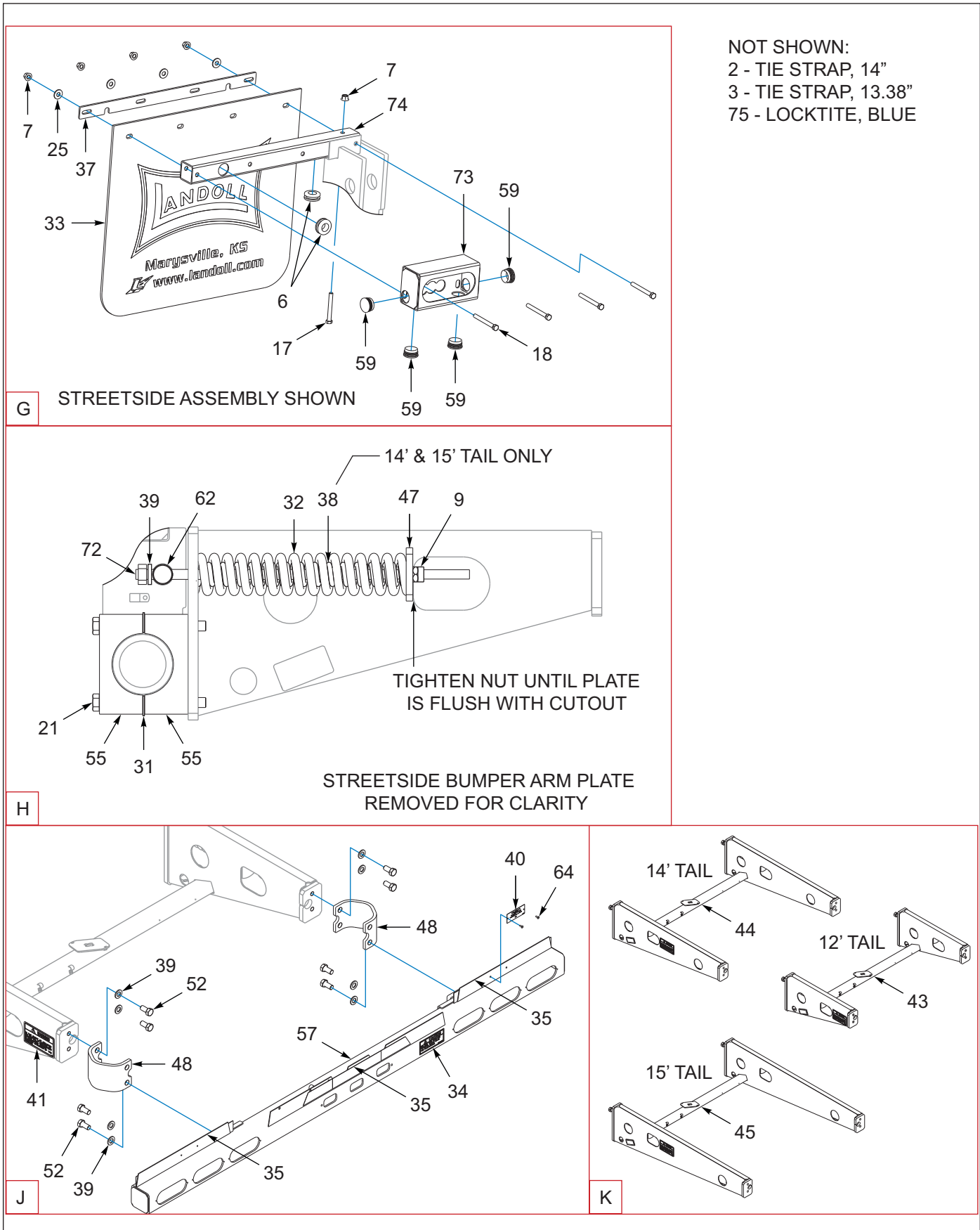


Figure 2-19: Undercarriage Components (3 of 3)

Undercarriage Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP ASSY 930E-12 2512-77 (ALL MODELS)	--
	215086	SUSP ASSY 950E-12 2512-77 (ALL MODELS)	--
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	5
2	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 (NOT SHOWN)	2
3	1-796-010004-02	TIE, STRAP, PLASTIC .301X13.38 (NOT SHOWN)	19
4	103817	CLAMP, HOSE 660 U/C	5
5	1-298-010001-1	ZERK FITTING 1/4 SAE (110-4954)	2
6	1-343-010006	GROMMET	4
7	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	10
8	1-511-010001-07	NUT, HEX JAM 5/8-11	2
9	1-512-010002-15	NUT, HEX SLFLKG 3/4-10 GRC	2
10	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2
11	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 GRB	4
12	1-512-010005-13	NUT, HEX SLFLKG GRB 5/8-11	12
13	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	8
14	1-630-010021-02	RING, RETAINING 2 HD	4
15	1-654-010051-03	SCREW, HEX CAP, 3/8-16UNCX3/4G5	2
16	1-654-010051-11	SCREW HX CP 3/8-16X2-1/2 G5ZP	2
17	1-654-010051-13	SCREW, HX CP, 3/8-16UNCX3, GR5	2
18	1-654-010051-15	SCREW HXCP 3/8-16UNCX3-1/2 G5	8
19	1-654-010055-05	SCREW, HEX CAP, 1/2-13UNCX2 GR5	4
20	1-654-010059-11	SCREW, HX CP 5/8-11UNCX3.5GR5	8
21	1-654-010061-21	SCREW, HX CP, 3/4-10UNCX8	4
22	1-654-010150-05	SCREW, SET, 5/8X2 SQ HD CP PNT	2
23	1-654-010158-1	SCREW, RHD, SQ NCK, 1/4-20UNCX3/4	8
24	1-861-010032-07	WASHER, FLAT 1/4 ZP	8
25	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	10
26	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
27	1-861-010032-19	WASHER, FLAT 5/8 W ZP/CD	12
28	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	8
29	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	4
30	2-684-010001	SHIM ROCK SHAFT BEARING (5/8")	4
31	2-684-010045	SHIM, ROCK SHAFT BEARING 3/4"	4
32	2-720-010008	SPRING-SPRING CLAMP (3"OD X 18")	2
33	3-485-010001	FLAP, MUD 21 IN	2
34	3-573-010031	DECAL TRAILER BUMPER	1
35	3-573-010377	DECAL, 2" REFLEXITE TAPE, RD/WHT (BY THE INCH)	84
36	3-720-010042	SPRING AIR 6-1/2	1
37	3-762-010017	CLAMP MUD FLAP	2
38	8-720-010013	SPRING COMPRESSION REEL (14' & 15' ONLY) (1.844"ID X 19")	2
39	622-3511-008	WASHER, FLAT 3/4 MIL-CARB SAE	10
40	-----	PLACARD, ENERGY BUMPER CERT (NOT SOLD SEPARATELY, COMES ATTACHED WITH NEW BUMPER ONLY)	1
41	103056	DECAL, ENERGY BUMPER WARNING	Z
42	107470	NUT, SPIRALOCK 3/8-16HX	2
43	225659	BUMPER ARM 12' PC BLK 107582 (12')	1
43	225660	GALV OF 107582 (12' BMPR ARM) (12' GALV)	1
44	225661	BUMPER ARM 14' PC BLK 110649 (14')	1
44	225662	GALV OF 110649 (14' BMPR ARM) (14' GALV)	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
45	225663	BUMPER ARM 15' PC BLK 109120 (15')	1
45	225664	GALV OF 109120 (15' BMPR ARM) (15' GALV)	1
46	107588	PLATE WLDMT LIFT GUIDING	1
47	107592	PLATE SPG TENSION ZINC PLTD	2
48	107594	MOUNT BUMPER ENERGY PAK	2
49	107621	GLIDE U/C 930	2
50	107622	BLOCK MTG NYLN HOLDDOWN	2
51	107732	DOCK WLDMT, LIFT ARM	1
52	108705	SCREW,HEXCAP,3/4-10X1-1/2 GR8	8
53	108749	SHIM,NYLATRON BLOCK 930	2
54	109138	NYLATRON HOLD-DOWN BLK	2
55	109158	BEARING CAST BUMPER PIVOT	8
56	109207	SCREW 3/8-16X6 HHCS FULLTHRD	2
57	109524	BUMPER WLDMT 930 LONG TAIL	1
57	204956	GALV OF 204952 BUMPER WLDMT	1
58	114562	BUSHING MACHINE HARD 3X2X10GA	2
59	116324	PLUG,PLAST PANEL1-5/16&1-7/16	8
60	135613	ROLLER 4 IN. ASSY CONNEX	2
61	135615	PIN ROLLERS REAR 930 U/C	2
62	142457	PIN SPRING 930 BUMPER	2
63	171892	SCREW, HEX CAP 5/8-11UNCX9 GR5	4
64	184138	RIVET, BLIND .187 X 3/16 GRIP	2
65	189378	FI KIT,E-CHAIN,18 LNK W/BRKTS (930, 65A) (INCLUDES ITEMS 66A-67) (NOT SHOWN)	1
65	189379	FI KIT,E-CHAIN,23 LNK W/BRKTS (950, 65B) (INCLUDES ITEMS 66B-67) (NOT SHOWN)	1
66	189320	SUPPORT, E-CHAIN,18 LINKS,3838 (930, 66A) (INCLUDED WITH ITEM 65A) (INDIVIDUAL LINK PT#189313, INDIVIDUAL CROSSBARS OR END PLATES NOT AVAILABLE)	1
66	189319	SUPPORT, E-CHAIN,23 LINKS,3838 (950, 66B) (INCLUDED WITH ITEM 65B) (INDIVIDUAL LINK PT#189313, INDIVIDUAL CROSSBARS OR END PLATES NOT AVAILABLE)	1
67	197586	BRACKET KIT (4) 3838 E-CHAIN (INCLUDES ITEMS 68-71) (NOT SHOWN)	1
68	190701	BRACKET WLDMT E-CHAIN LH (INCLUDED WITH ITEMS 65 & 67) (USED ON INTERNAL LINK)	1
69	190706	BRACKET WLDMT E-CHAIN RH (INCLUDED WITH ITEMS 65 & 67) (USED ON INTERNAL LINK)	1
70	190700ZP	ZINC PLATE BRACKET E-CHAIN LH (INCLUDED WITH ITEMS 65 & 67) (USED ON EXTERNAL LINK)	1
71	190705ZP	ZINC PLATE BRACKET E-CHAIN RH (INCLUDED WITH ITEMS 65 & 67) (USED ON EXTERNAL LINK)	1
72	216805	ROD WLDMT SPG TNSN BMPR LNG	2
73	216230	MOUNT WLDMT MUD FLAP S/T/T (BEFORE 11/01/2019)	
73	223257	MOUNT WLDMT MUDFLAP S/T/T GALV (AFTER 11/01/2019)	2
74	108746	BRACKET, MUD FLAP 930 (BEFORE 11/01/2019)	
74	223259	BRACKET, MUD FLAP 930 GALV (AFTER 11/01/2019)	2
75	#242LOCKTITE	LOCKTITE 242 BLUE REMOVABLE (BY THE BOTTLE) (NOT SHOWN)	0.05

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Upper Deck, Cover, Accessory (STANDARD WO/ WINCH)

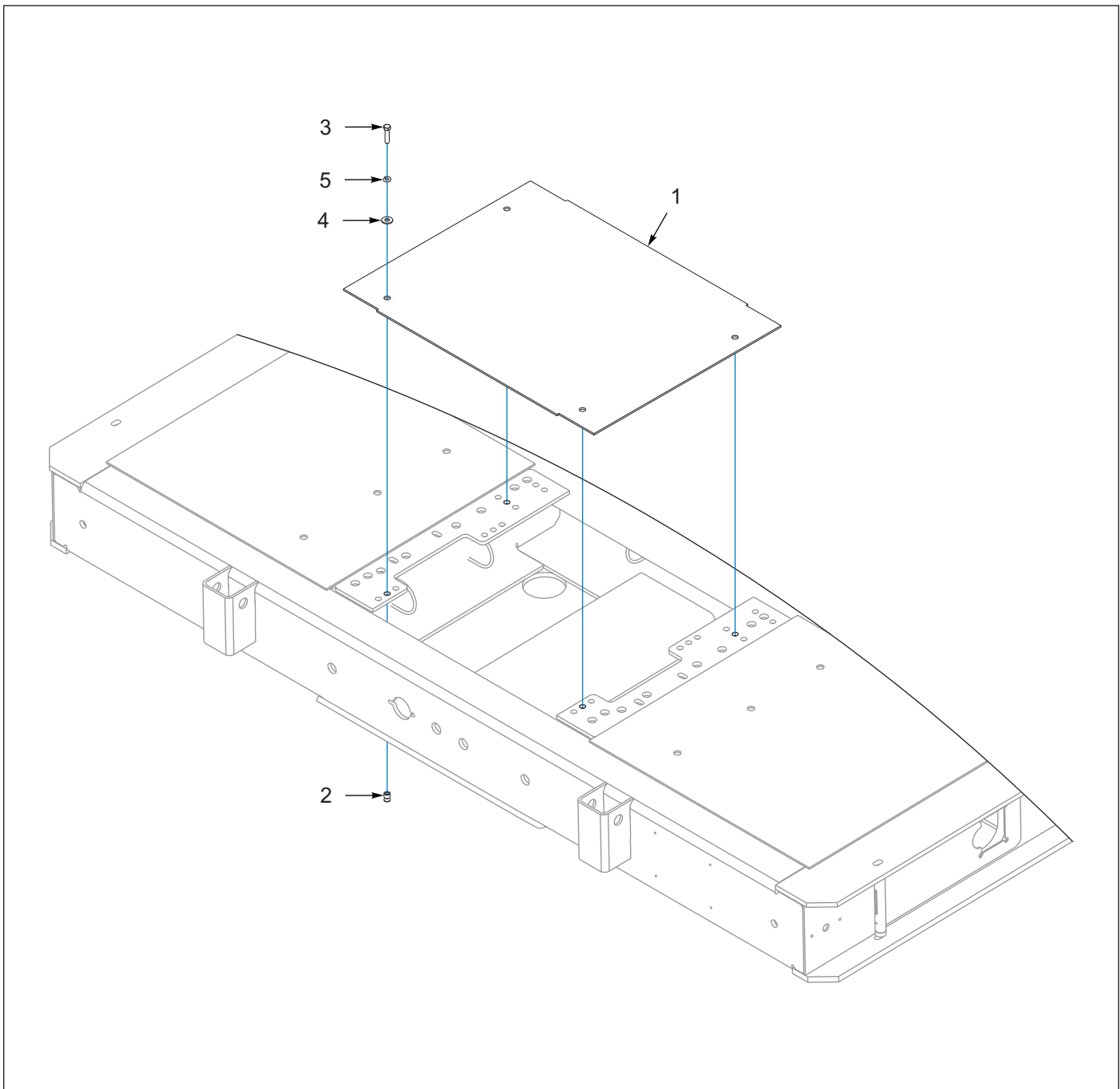


Figure 2-20: Upper Deck, Cover, Accessory (STANDARD WO/ WINCH)

Upper Deck, Cover, Accessory (STANDARD WO/ WINCH)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	137635	COVER ASSY UPPER DECK 425	--
1	137634	COVER, UPPER DECK 425	1
2	139254	NUTSERT 3/8-16 41664	4
3	1-654-010051-07	SCREW, HEX CAP, 3/8-16UNCX1-1/2	4
4	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
5	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	4

NOTES:

Suspension Assembly

Axle 12.25 x 7.5 Drum Brake Components

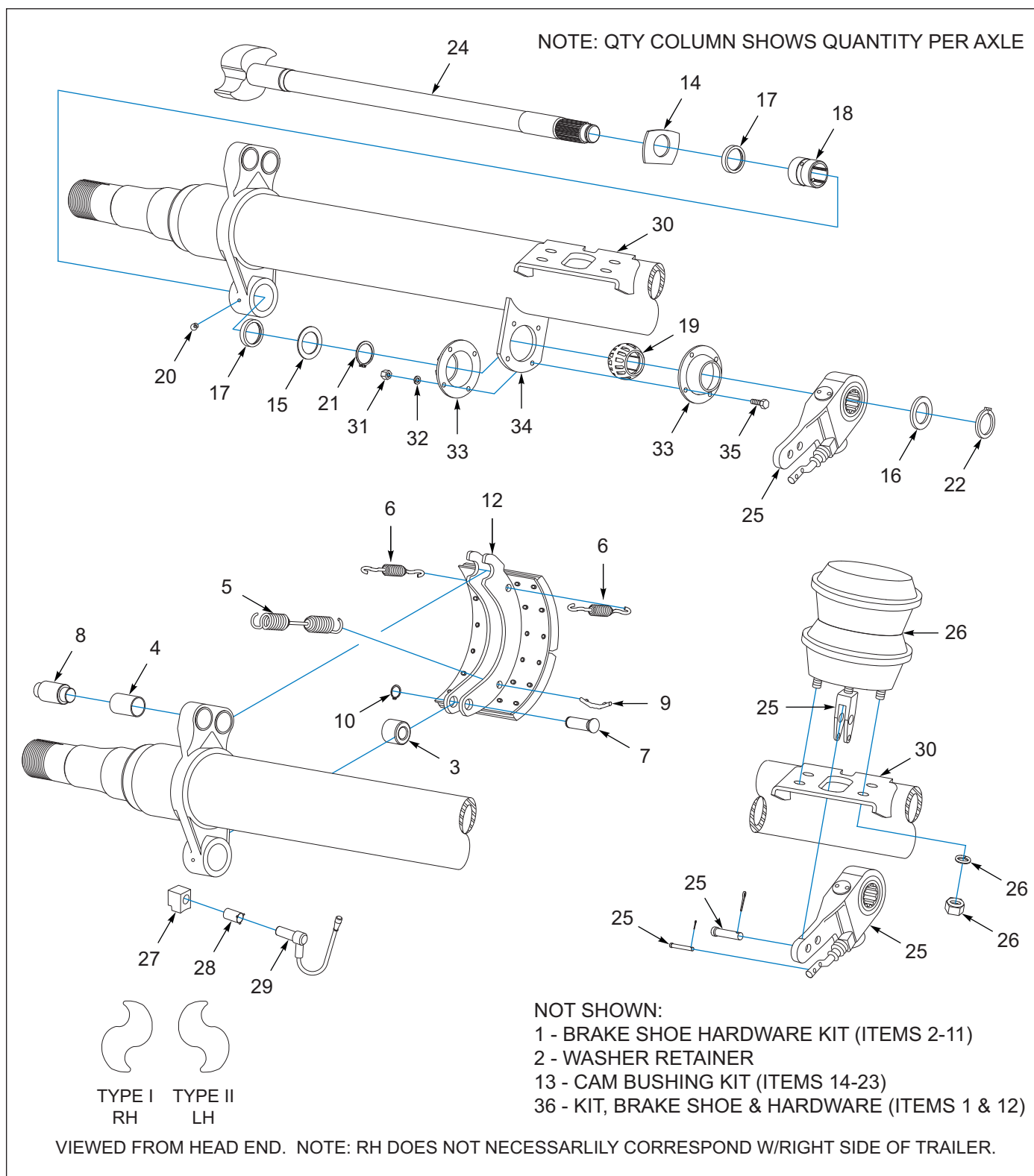


Figure 3-1: Axle 12.25 x 7.5 Drum Brake Components

Axle 12.25 x 7.5 Drum Brake Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212381	AXLE 77 12.25SPG 25K TIS (REPLACED 115704 & 136203 AFTER 06/16/2018)	--
1	K71-460-00	BRAKESHOE HDW KIT PQ BRKS DEX (INCLUDES ITEMS 2-11) (INCLUDED WITH ITEM 36)	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 (INCLUDED WITH ITEM 36)	4
13	K71-101-00	CAM SHAFT REPAIR KIT PQ BRAKES (1 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 ITEMS 1, 2 EACH & ITEM 12, 4 EACH)	1

Axle 12.25 x 7.5 Drum & Hub Components

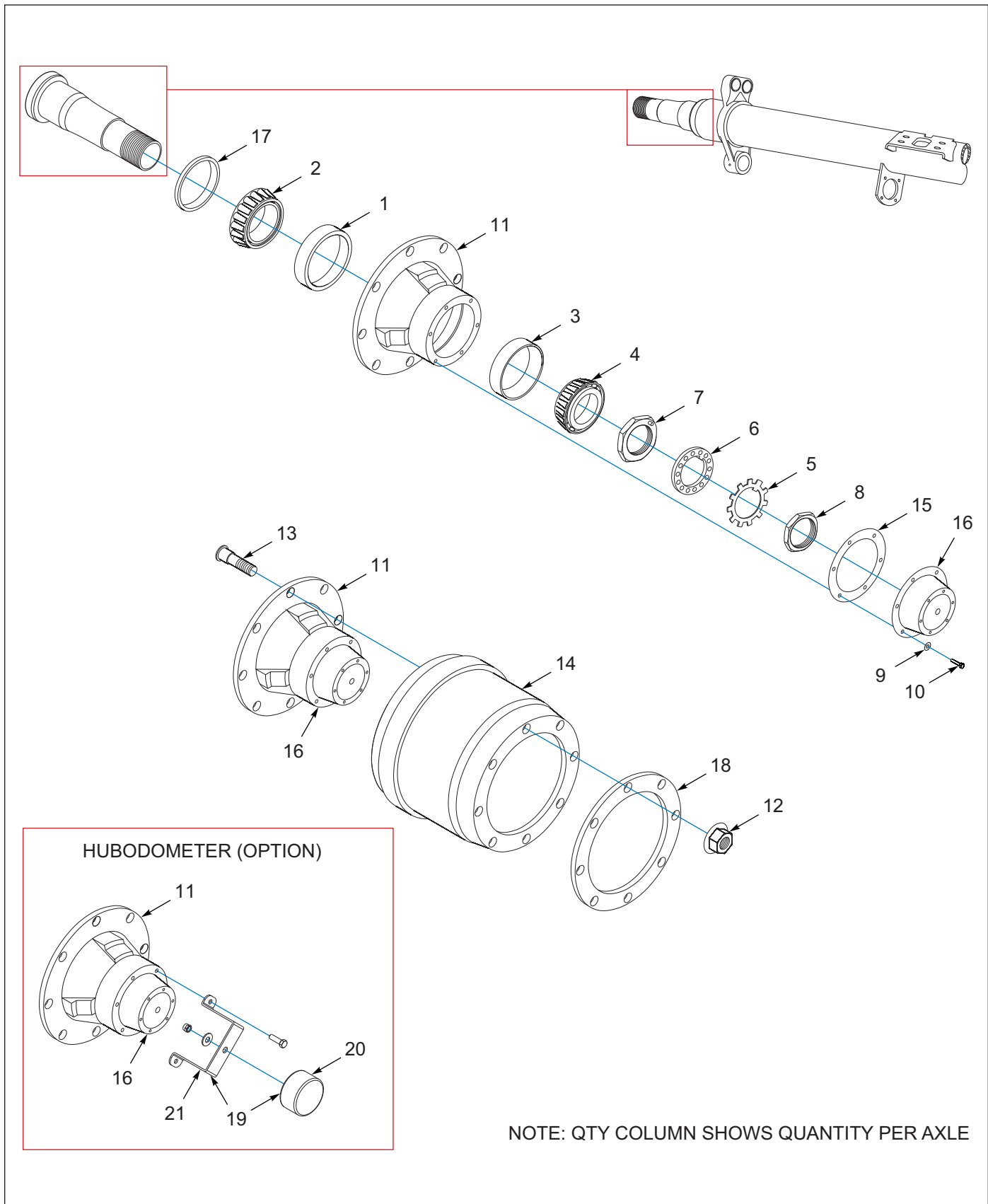


Figure 3-2: Axle 12.25 x 7.5 Drum & Hub Components

Axle 12.25 x 7.5 Drum & Hub Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212381	AXLE 77 12.25SPG 25K TIS (REPLACED 115704 & 136203 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 (005-099-00)	2
6	105107	LOCK WASHER (005-098-00)	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	101162	STUD - DISC PILOT HOLE WHL (2.47 STANDOUT) (BEFORE 06/16/2018)	16
13	113536	STUD RH 22MM 3.5 STANDOUT (131069) (3.5 STANDOUT) (AFTER 06/16/2018 - UNIVERSAL, STEEL / ALUMINUM WHEELS) (ITEM 11 INCLUDES 8 EACH)	16
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

Axle 12.25 Disc Brake & Hub Components (OPTION)

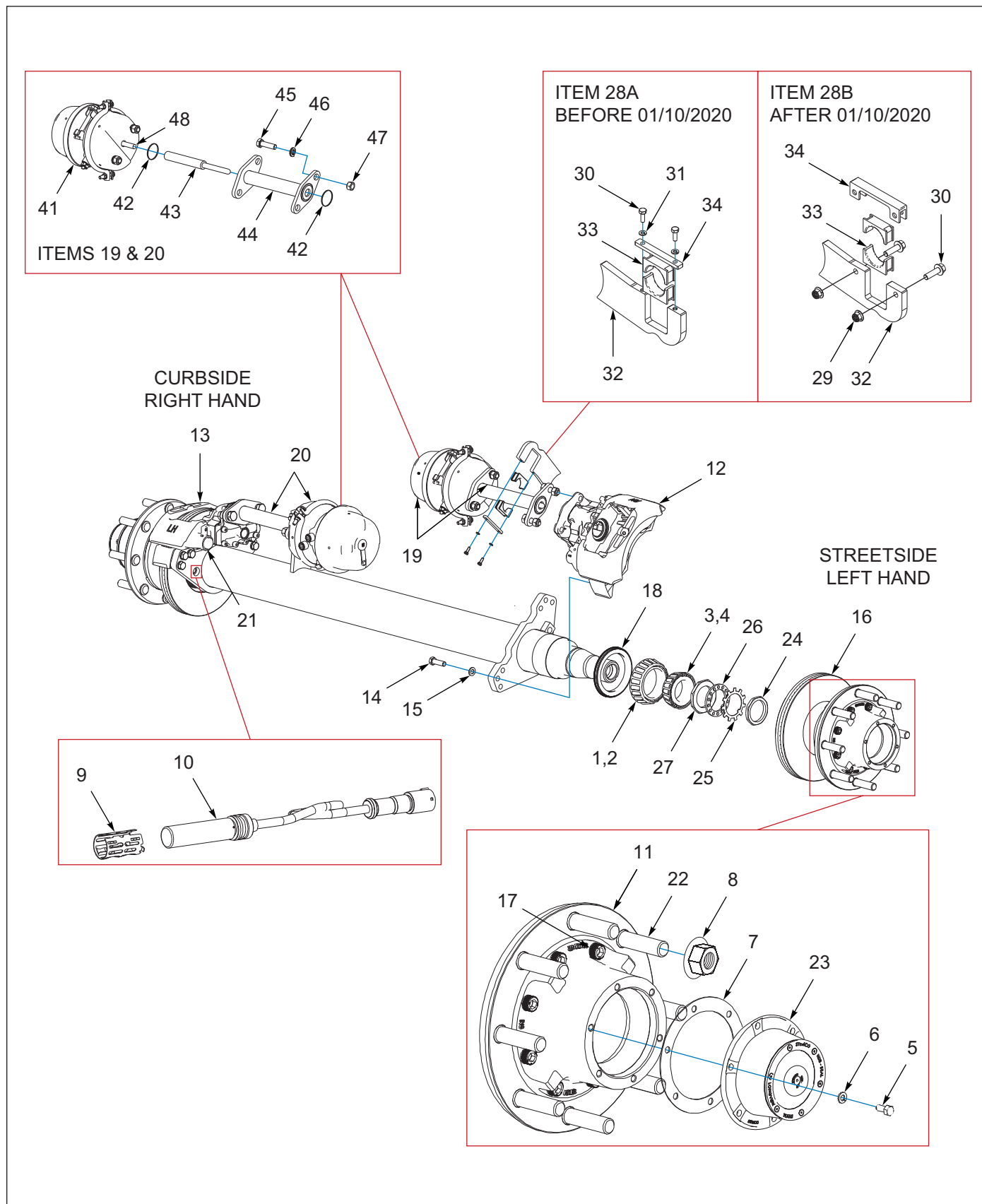
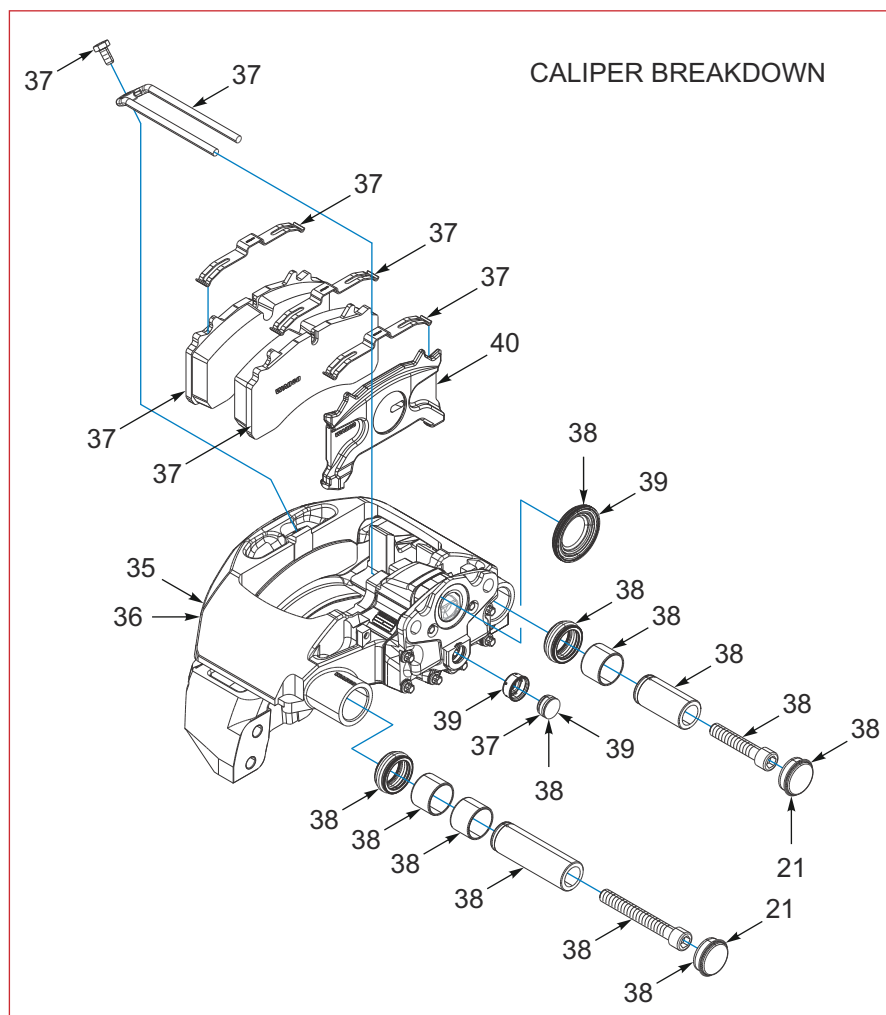


Figure 3-3: Axle 12.25 Disc Brake & Hub Components (OPTION) (1 of 2)



ITEM# 49



ITEM# 50



Figure 3-4: Axle 12.25 Disc Brake & Hub Components (OPTION) (2 of 2)

Axle 12.25 Disc Brake & Hub Components (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	220658	AXLE 12.25 DSC 77 25K TIS (14-1/8")	--
1	HM218210	BEARING CUP, INNER-DEXTERD225K (INCLUDED WITH ITEM 11)	2
2	HM218248	INNER BEARING	2
3	HM212011	OUTER CUP (INCLUDED WITH ITEM 11)	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) (INCLUDED WITH ITEM 23)	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	240587	EXT SHAFT ASSY LONG LH (14-1/8") (INCLUDES ITEMS 41-47)	1
20	240588	EXT SHAFT ASSY LONG RH (14-1/8") (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 - AFTER OBSOLETE) (28A INCLUDES ITEMS 30-34)	2
28	231958	SUPPORT BLOCK EXT SHAFT ASSY (AFTER 01/10/2020) (28B INCLUDES ITEMS 29-30, 32-34)	2
29	1-510-010001	NUT, FLANGE 3/8-16UNC GR5 ZNK (AFTER 01/10/2020) (INCLUDED WITH ITEMS 28B)	4
30	1-654-010051-05	SCREW, HEX CAP 3/8-16UNCX1 GR5 (BEFORE 01/10/2020) (INCLUDED WITH ITEM 28A)	4
30	1-654-010051-06	SCREW, HEX CAP 3/8-16UNCX1-1/4 (AFTER 01/10/2020) (INCLUDED WITH ITEM 28B)	4
31	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8 (BEFORE 01/10/2020) (INCLUDED WITH ITEM 28A)	4
32	-----	SUPPORT BLOCK (BEFORE 01/10/2020) (INCLUDED WITH ITEM 28A)	2
32	223999	SUPPORT BLOCK (AFTER 01/10/2020) (INCLUDED WITH ITEM 28B)	2
33	-----	SPLIT BUSHING (BEFORE 01/10/2020) (INCLUDED WITH ITEM 28A) (2 PER SUPPORT BLOCK)	4

ITEM	PART NUMBER	DESCRIPTION	QTY.
33	224000	SPLIT BUSHING (AFTER 01/10/2020) (INCLUDED WITH ITEM 28B) (2 PER SUPPORT BLOCK)	4
34	-----	SUPPORT CAP (BEFORE 01/10/2020) (INCLUDED WITH ITEM 28A)	2
34	224001	SUPPORT CAP (AFTER 01/10/2020) (INCLUDED WITH ITEM 28B)	2
35	236534	CALIPER DISC PAN17 LH NO PADS (INCLUDED WITH ITEM 12)	1
36	236535	CALIPER DISC PAN17 RH NO PADS (INCLUDED WITH ITEM 13)	1
37	224005	PAD KIT PAN17 DISC BRAKE 1 AX (1 KIT PER AXLE) (INCLUDED WITH ITEMS 12, 13)	1
38	236536	GUIDE BOLT & SEAL KIT PAN 17 (PER CALIPER) (INCLUDED WITH ITEMS 12, 13)	1
39	236537	SEAL KIT CLAMPING UNIT (PER CALIPER) (INCLUDED WITH ITEM 12)	1
40	236538	PRESSURE PLT DSCBKCALIPR PAN17 (PER CALIPER) (INCLUDED WITH ITEMS 12, 13)	1
41	238558	AIR CHAMBER PAN 17 DSC BK (INCLUDED WITH ITEMS 19 & 20)	2
42	-----	O-RING 1-7/8"IDX2-1/8"ODX.139" (238559) (INCLUDED WITH ITEMS 19 & 20)	2
43	-----	SHAFT CHAMBR EXTENSION 14-1/8" (242701) (INCLUDED WITH ITEMS 19 & 20)	2
44	-----	EXTENSION TUBE WLMT 14-1/8" (242700) (INCLUDED WITH ITEMS 19 & 20)	2
45	-----	SCREW 5/8-12 X 2" UNF (238563) (INCLUDED WITH ITEMS 19 & 20)	2
46	-----	WASHER,LKG,HLCL SPR,5/8 (1-861-010034-15) (INCLUDED WITH ITEMS 19 & 20)	2
47	-----	NUT JAM 5/8-18 UNF GR8 (238564) (INCLUDED WITH ITEMS 19 & 20)	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

Axle 16.5 x 7 Drum Brake Components

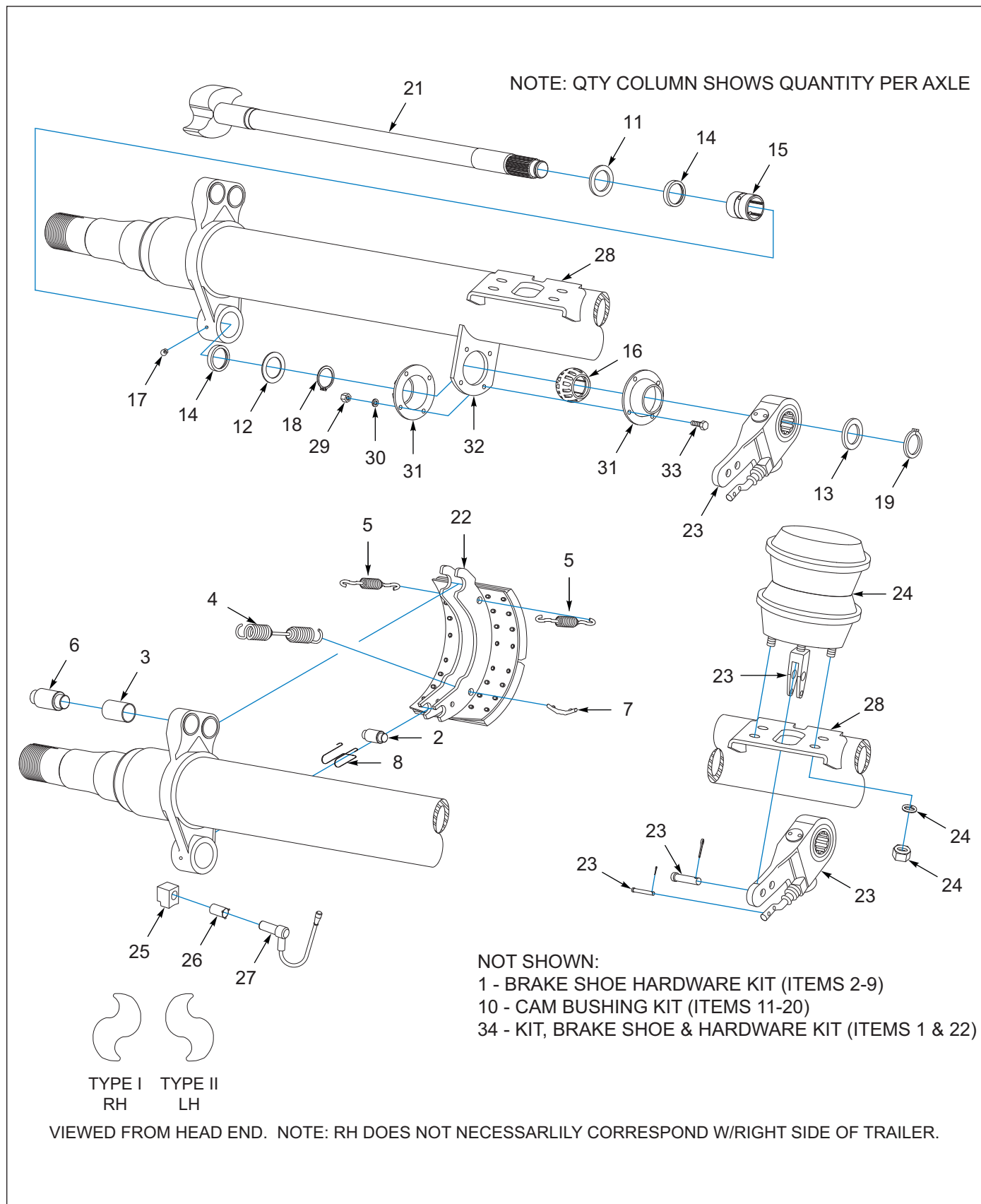


Figure 3-5: Axle 16.5 x 7 Drum Brake Components

Axle 16.5 x 7 Drum Brake Components

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 (INCLUDES ITEMS 2-9) (INCLUDED WITH ITEM 34)	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 (INCLUDED WITH ITEM 34)	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 ITEMS 1, 2 EACH & 22, 4 EACH)	1

Axle 16.5 x 7 Drum & Hub Components

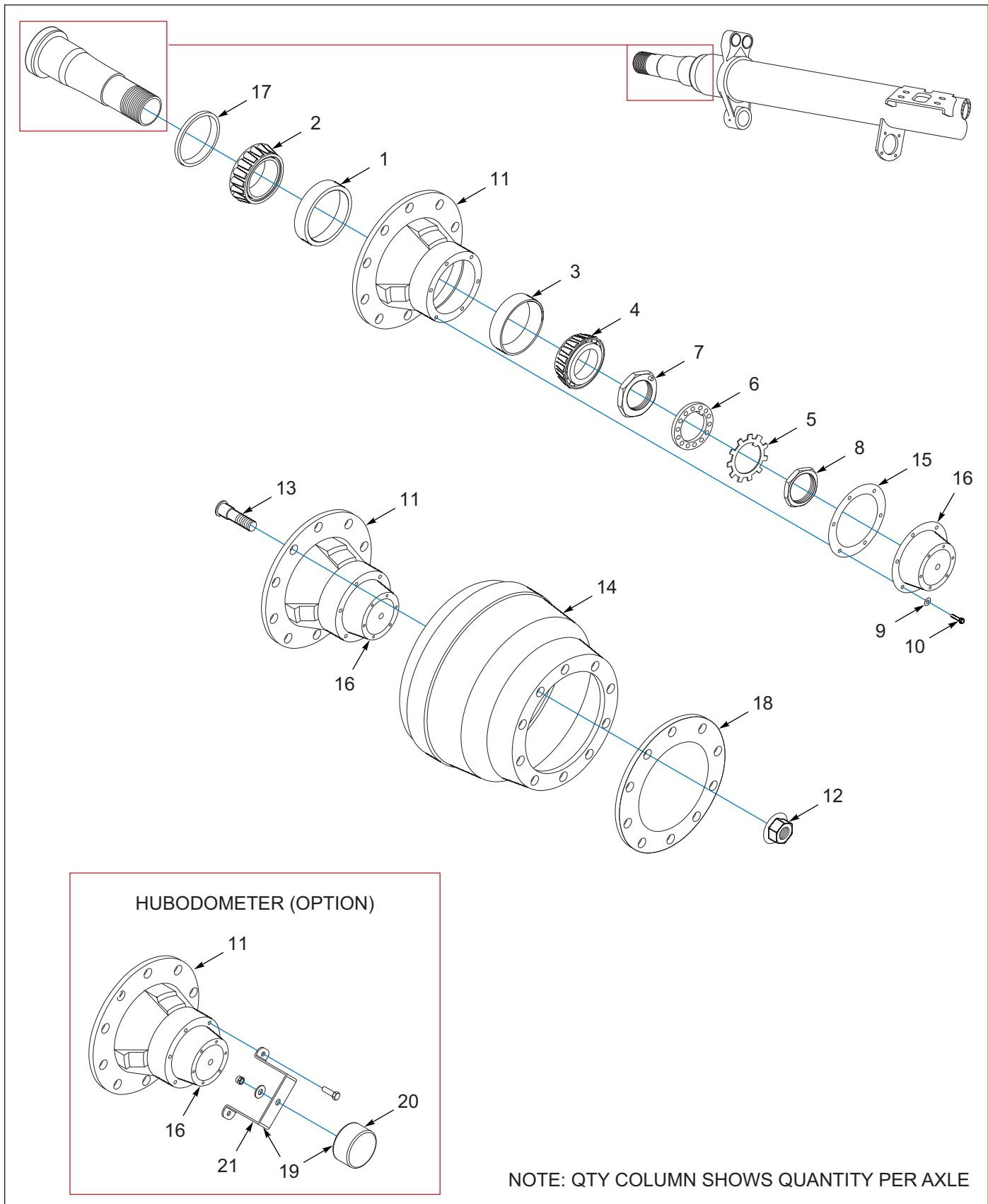


Figure 3-6: Axle 16.5 x 7 Drum & Hub Components

Axle 16.5 x 7 Drum & Hub Components

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 (INCLUDED WITH ITEM 11 INCLUDES 1 EACH)	2
2	HM218248	INNER BEARING	2
3	HM212011	OUTER CUP (INCLUDED WITH ITEM 11 INCLUDES 1 EACH)	2
4	HM212049	OUTER BRG A19S	2
5	105106	STAR L/W (005-099-00)	2
6	105107	LOCK WASHER (005-098-00)	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) (STUDS & FLANGE NUTS SOLD SEPARATELY)	2
12	179955	NUT, FLANGE MM22X1.5 (1.50HEX) (179933, 153408)	20
13	101162	STUD - DISC PILOT HOLE WHL (2.47 STANDOUT) (BEFORE 06/16/2018)	20
13	113536	STUD RH 22MM 3.5 STANDOUT (131069) (3.5 STANDOUT) (AFTER 06/16/2018 - UNIVERSAL, STEEL / ALUMINUM WHEELS)	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

F-1004-2311

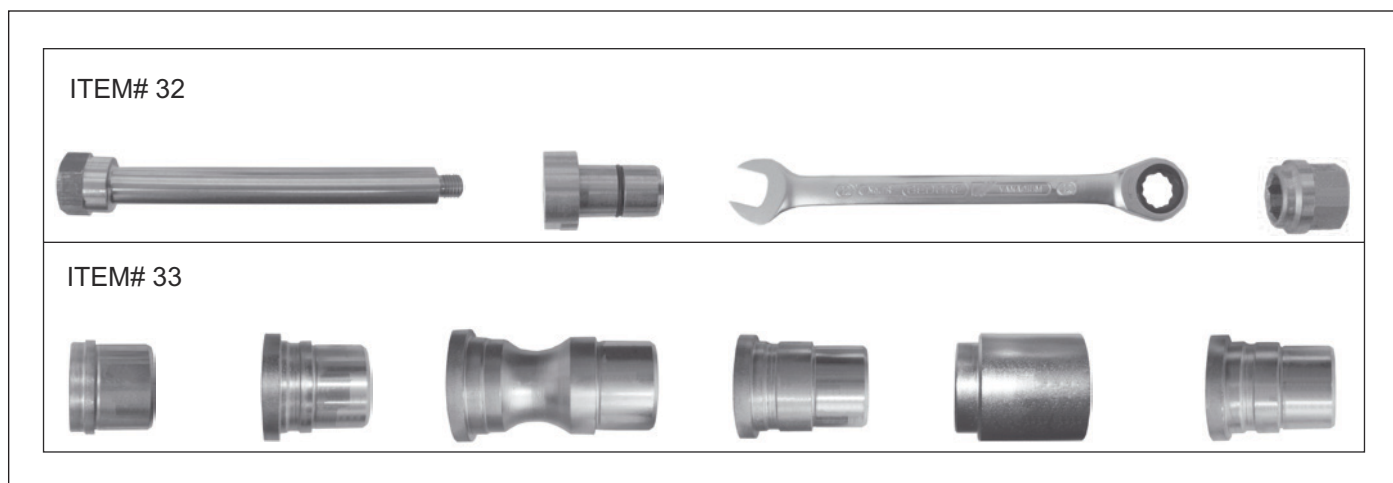


Figure 3-8: Axle 16.5 Disc Brake & Hub Components (OPTION) (2 of 2)

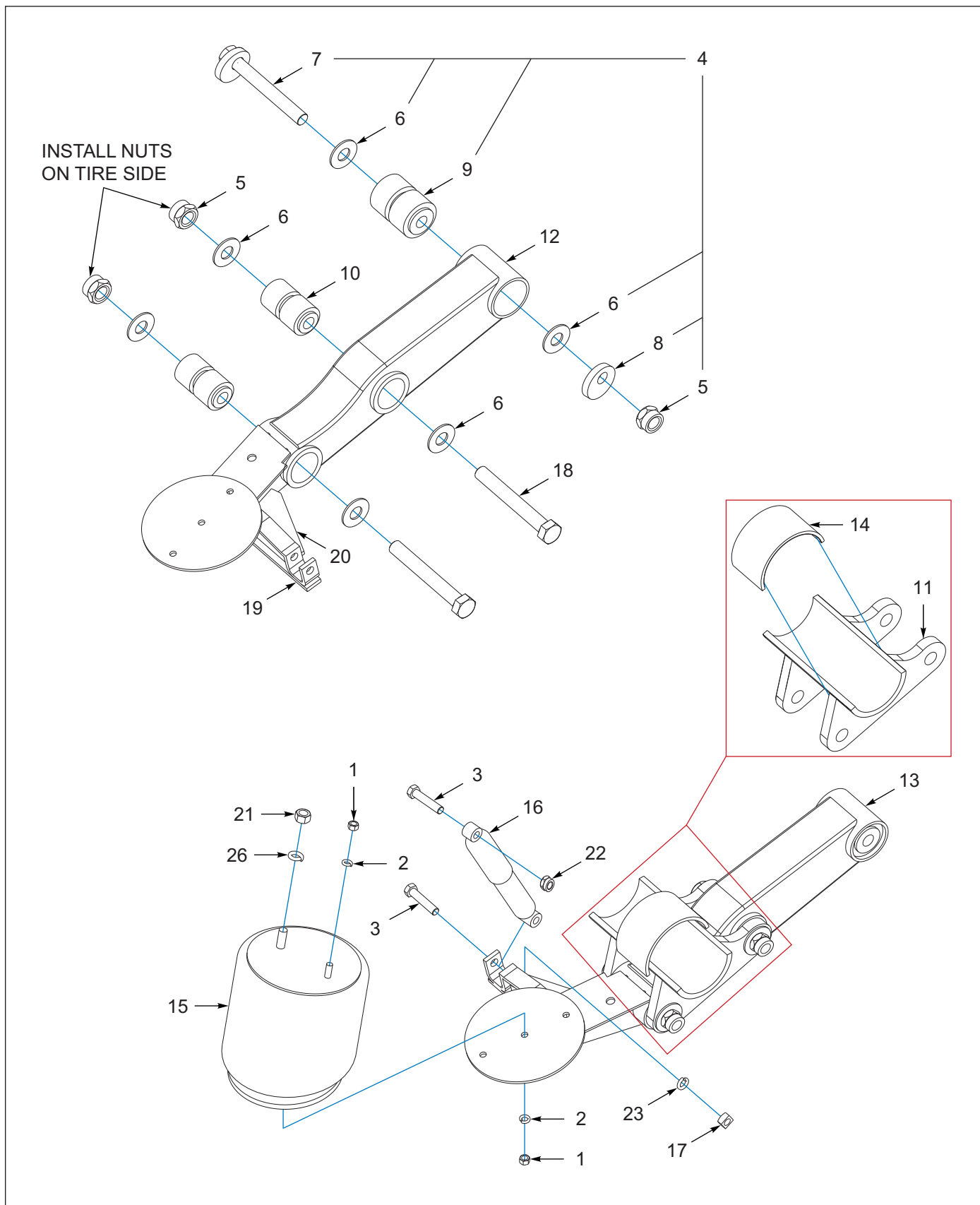
Axle 16.5 Disc Brake & Hub Components (OPTION)

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
		(ROTOR & MOUNT BOLTS ONLY, ORDER 236496)	
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)	2
		(OIL CAP INCLUDES VENT PLUG AND ITEM 7)	
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
29	238556	GUIDE BOLT & SEAL KIT PAN22 (PER CALIPER)	1
30	236537	SEAL KIT CLAMPING UNIT (PER CALIPER)	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
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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Axle Suspension, RLU-228, 12.25 & 16.5



Axle Suspension, RLU-228, 12.25 & 16.5

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 (INCLUDED WITH ITEM 4, INCLUDES 1 EACH)	6
6	111010	WASHER FLAT NEWAY 90036177 (INCLUDED WITH ITEM 4, INCLUDES 2 EACH)	12
7	129005	ALIGN BLOCK 90508019 (INCLUDED WITH ITEM 4, INCLUDES 1 EACH)	2
8	129006	ALIGN BLOCK NON-WELD 90008238 (INCLUDED WITH ITEM 4, INCLUDES 1 EACH)	2
9	900-08-139	BUSHING NEWAY AR-45 SUSPENSIO (INCLUDED WITH 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) (SHOCK STRAP - SEE PAGE 3-24)	2
16	900 45 040	SHOCK ABSORBER AR93 (12.25 X 7.5 BRAKES) (SHOCK STRAP - SEE PAGE 3-23)	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

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

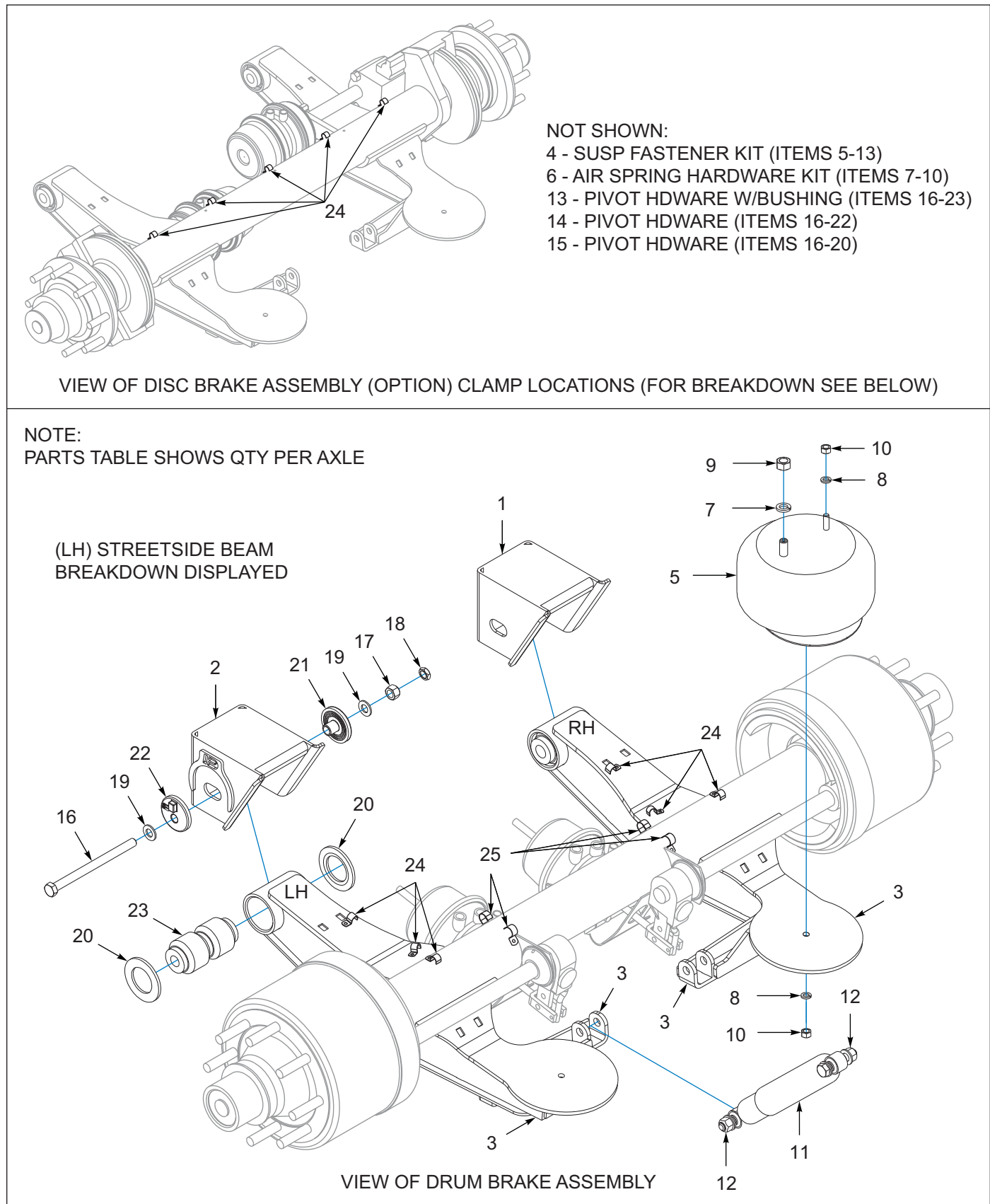


Figure 3-10: Axle Suspension, LSS-25K-3.5 RLU, 12.25

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

ITEM	PART NUMBER	DESCRIPTION	QTY.
	-----	AXLE WELDMENT 2512 SPRING (DRUM BRAKE STANDARD) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE - SEE PAGE 1-2)	--
	-----	AXLE WELDMENT 2512 DISC (DISC BRAKE OPTION) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE - SEE PAGE 1-2)	--
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 RH AND LH BEAMS & LOWER SHOCK MOUNTS)	1
4	218079	SUSP FASTNER KIT 25K-3_5RLU (INCLUDES ITEMS 5-13)	1
5	225962	AIR SPRING F/S W01-358-9307 (INCLUDED IN ITEM 4)	2
6	225963	HARDWARE KIT AIR SPRING (INCLUDED IN ITEM 4) (INCLUDES ITEMS 7-10)	2
7	-----	LOCK WASHER 3/4" (INCLUDED IN ITEM 6)	1
8	-----	LOCK WASHER 1/2" (INCLUDED IN ITEM 6)	2
9	-----	NUT 3/4-16UNF (INCLUDED IN ITEM 6)	1
10	-----	NUT 3/4-16UNF (INCLUDED IN ITEM 6)	2
11	225955	SHOCK ABSORBER M85323 (INCLUDED IN ITEMS 4) (SHOCK STRAP - SEE PAGE 3-25)	2
12	225956	HARDWARE KIT M85323 SHOCK (INCLUDED IN ITEM 4) (INCLUDES 2 BOLTS, 2 NUTS, 4 WASHERS)	2
13	225970	PIVOT HARDWARE KIT W/BUSHING (INCLUDED IN ITEM 4) (INCLUDES ITEMS 16-23)	2
14	225969	PIVOT HARDWARE KIT LSS-25K (INCLUDES ITEMS 16-22)	2
15	231928	PIVOT HARDWARE KIT-7/8" EC CLR (INCLUDES ITEMS 16-20)	2
16	231923	SCREW, HEX 7/8-14UNF-2AX9 GR8 (INCLUDED IN ITEMS 13, 14, 15)	1
17	231924	NUT, 7/8-14UNF-2B CLASS C LOCK (INCLUDED IN ITEMS 13, 14, 15)	1
18	2J084	NUT HEX JAM 7/8-14 ZP (INCLUDED IN ITEMS 13, 14, 15)	2
19	231925	WASHER, 7/8 ID (INCLUDED IN ITEMS 13, 14, 15)	1
20	225958	BEAM SPACER LSS-25K (INCLUDED IN ITEMS 13, 14, 15)	2
21	231926	PLAIN PIVOT CLAMP (INCLUDED IN ITEMS 13, 14)	1
22	231927	ECCENTRIC PIVOT CLAMP (INCLUDED IN ITEMS 13, 14)	1
23	225960	PIVOT BUSHING SHORT LSS-25K (INCLUDED IN ITEM 13)	1
24	3-181-010034-1	CLAMP CONDUIT STEEL 1/2 (DISC BRAKE AXLES, REQ 5 EACH)(DRUM BRAKE AXLES, REQ 6 EACH)	--
25	3-181-010034-2	CLAMP CONDUIT STEEL 3/4 (DRUM BRAKE)	4

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

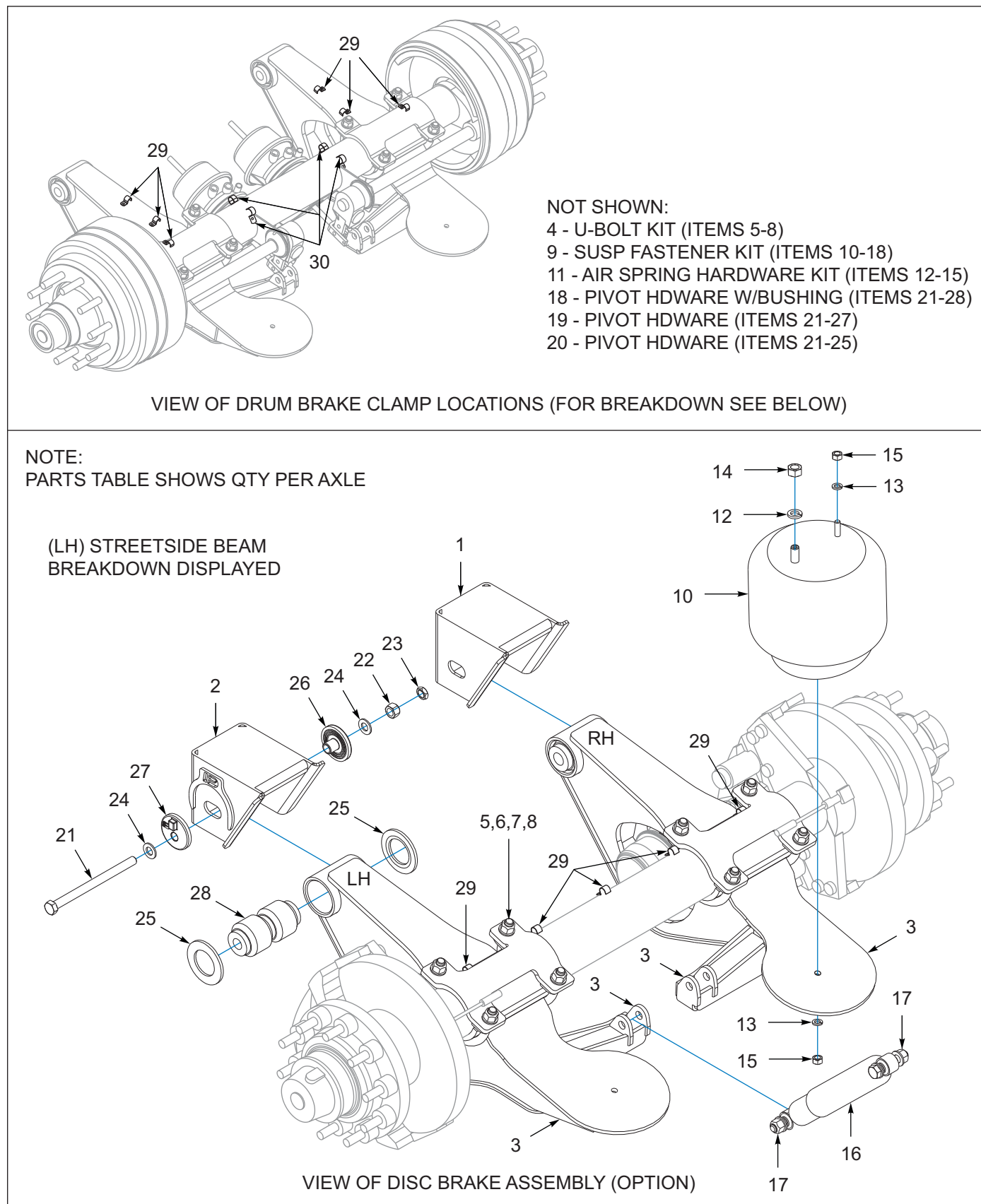


Figure 3-11: Axle Suspension, LSS-25K-5.5 RLU, 16.5

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

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 RH AND LH BEAMS & ITEM 4)	1
4	238565	U-BOLT KIT, LSS-25K-xxRLU/RLY (SET OF 2) (INCLUDES ITEMS 5-8) (INCLUDED IN ITEM 3)	1
5	-----	WASHER, 3/4 ID (INCLUDED IN ITEM 4)	8
6	-----	LOCK NUT, 3/4-16UNF-2B (INCLUDED IN ITEM 4)	8
7	-----	U-BOLT CLAMP WELDMENT (INCLUDED IN ITEM 4)	4
8	-----	U-BOLT, 3/4-16UNF GR8 (INCLUDED IN ITEM 4)	4
9	226049	SUSP FASTNER KIT 25K-05_5RLU (INCLUDES ITEMS 10-18)	1
10	235294	AIR SPRING DEXTER 5.5RLU (INCLUDED IN ITEM 9)	2
11	225963	HARDWARE KIT AIR SPRING (INCLUDED IN ITEM 9) (INCLUDES ITEMS 12-15)	2
12	-----	LOCK WASHER 3/4" (INCLUDED IN ITEM 11)	1
13	-----	LOCK WASHER 1/2" (INCLUDED IN ITEM 11)	2
14	-----	NUT 3/4-16UNF (INCLUDED IN ITEM 11)	1
15	-----	NUT 3/4-16UNF (INCLUDED IN ITEM 11)	2
16	242755	SHOCK ABSORBER DEXTER 5.8" (INCLUDED IN ITEMS 9) (SHOCK STRAP - SEE PAGE 3-26)	2
17	225956	HARDWARE KIT M85323 SHOCK (INCLUDED IN ITEM 9) (INCLUDES 2 BOLTS, 2 NUTS, 4 WASHERS)	2
18	225970	PIVOT HARDWARE KIT W/BUSHING (INCLUDED IN ITEM 9) (INCLUDES ITEMS 21-28)	2
19	225969	PIVOT HARDWARE KIT LSS-25K (INCLUDES ITEMS 21-27)	2
20	231928	PIVOT HARDWARE KIT-7/8" EC CLR (INCLUDES ITEMS 21-25)	2
21	231923	SCREW, HEX 7/8-14UNF-2AX9 GR8 (INCLUDED IN ITEMS 18, 19, 20)	1
22	231924	NUT, 7/8-14UNF-2B CLASS C LOCK (INCLUDED IN ITEMS 18, 19, 20)	1
23	2J084	NUT HEX JAM 7/8-14 ZP (INCLUDED IN ITEMS 18, 19, 20)	2
24	231925	WASHER, 7/8 ID (INCLUDED IN ITEMS 18, 19, 20)	1
25	225958	BEAM SPACER LSS-25K (INCLUDED IN ITEMS 18, 19, 20)	2
26	231926	PLAIN PIVOT CLAMP (INCLUDED IN ITEMS 18, 19)	1
27	231927	ECCENTRIC PIVOT CLAMP (INCLUDED IN ITEMS 18, 19)	1
28	225960	PIVOT BUSHING SHORT LSS-25K (INCLUDED IN ITEM 18)	1
29	3-181-010034-1	CLAMP CONDUIT STEEL 1/2 (DISC BRAKE AXLES, REQ 5 EACH) (DRUM BRAKE AXLES, REQ 6 EACH)	--
30	3-181-010034-2	CLAMP CONDUIT STEEL 3/4 (DRUM BRAKE)	4

Shock Strap, Limit, RLU-228-3.5, 12.25 (OPTION)

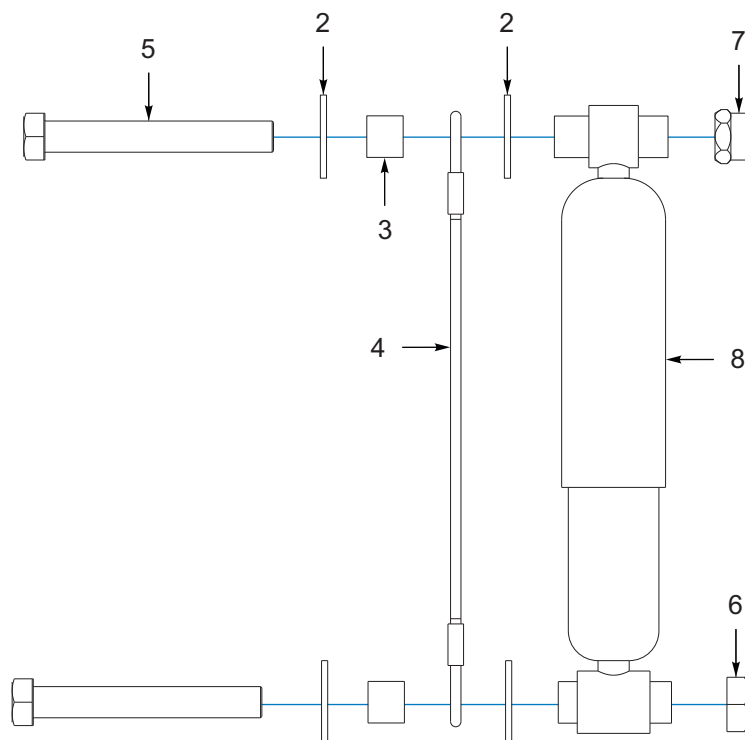


Figure 3-12: Shock Strap, Limit, RLU 228-3.5, 12.25 (OPTION)

Shock Strap, Limit, RLU-228-3.5, 12.25 (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	141708	WIRE ROPE STRAPKIT RLU228-3.5 (INCLUDES 2 KITS, ITEM 1) (FOR 1 AXLE)	--
	179103	WR STRAP KIT 2AX RLU228-3.5 (INCLUDES 4 KITS, ITEM 1)	--
	141709	STRAP KIT INSL 3AX RLU228-3.5 (INCLUDE 6 KITS, ITEM 1)	--
1	-----	SHOCK STRAP LIMIT RLU228-3.5 (1 KIT INCLUDES ITEMS 2-5)	--
2	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	4
3	170120	TUBE, RD 1 ODX .782 ID X 11/16	2
4	179107	WIRE ROPE STRAP, RLU 228-3.5	1
5	W908406-4	SCREW 3/4-10X4-1/2 HEX HD CAP	2
6	934-00-367	NUT SQ 3/4-10 (NOT INCLUDED)	1
7	934-00-492	LOCK NUT 3/4-10 (NOT INCLUDED)	1
8	900 45 040	SHOCK ABSORBER AR93 (NOT INCLUDED) (FOR RLU 228-3.5 SUSPENSION)	1

Shock Strap, Limit, RLU-228-5.5, 16.5 (OPTION)

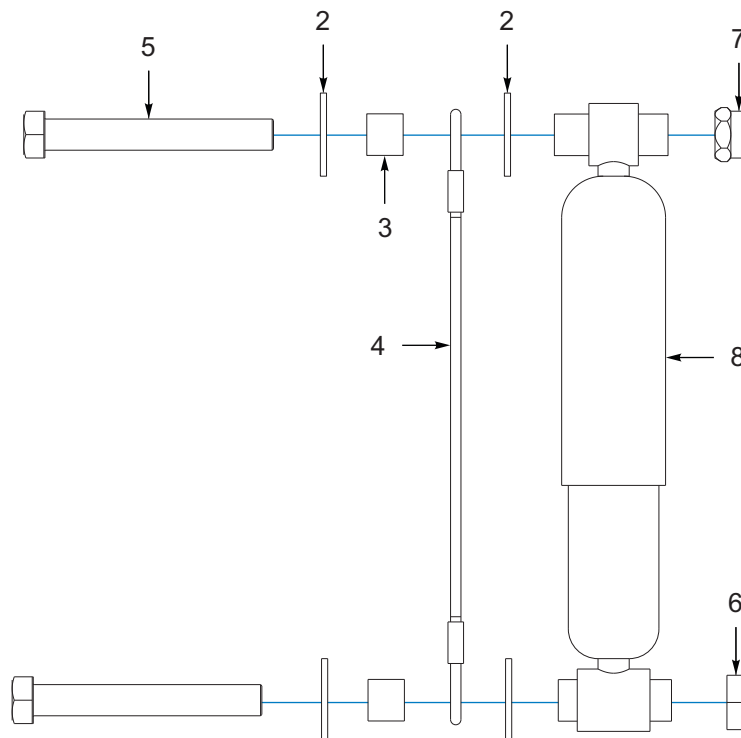


Figure 3-13: Shock Strap, Limit, RLU 228-5.5, 16.5 (OPTION)

Shock Strap, Limit, RLU-228-5.5, 16.5 (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	127708	STRAP,SHOCK LMT,RLU250&228-5.5 (INCLUDES 2 KITS, ITEM 1) (FOR 1 AXLE)	--
	163746	LIMIT STRAP SHCK 2AX RLU 228-5 (INCLUDES 4 KITS, ITEM 1)	--
	162403	LIMIT STRAP SHOCK 3AX RLU228-5 (INCLUDES 6 KITS, ITEM 1)	--
1	-----	SHOCK STRAP LIMIT RLU228-5.5 (1 KIT INCLUDES ITEMS 2-5)	--
2	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	4
3	170120	TUBE, RD 1 ODX .782 ID X 11/16	2
4	179108	WIRE ROPE STRAP, RLU 228-5.5	1
5	W908406-4	SCREW 3/4-10X4-1/2 HEX HD CAP	2
6	934-00-367	NUT SQ 3/4-10 (NOT INCLUDED)	1
7	934-00-492	LOCK NUT 3/4-10 (NOT INCLUDED)	1
8	111017	SHOCK NEWAY 90044642 (NOT INCLUDED) (FOR RLU 228-5.5 SUSPENSION)	1

Shock Strap, Limit, LSS-25K-3.5, 12.25 (OPTION)

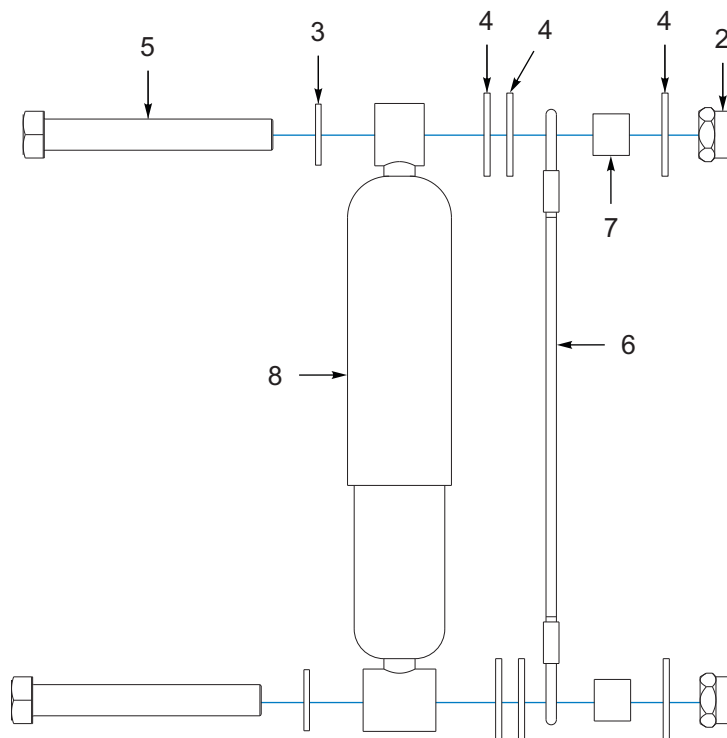


Figure 3-14: Shock Strap, Limit, LSS-25K-3.5, 12.25 (OPTION)

Shock Strap, Limit, LSS-25K-3.5, 12.25 (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	228953	WR STRAP KIT 1 AX LSS-25K-3.5 (INCLUDES 2 KITS, ITEM 1) (FOR 1 AXLE)	--
	223231	4 SHOCK STRAP KITS FOR 2 AXLES (INCLUDES 4 KITS, ITEM 1)	--
	223232	6 SHOCK STRAP KITS FOR 3 AXLES (INCLUDES 6 KITS, ITEM 1)	--
1	223230	STRAP SHOCK LIMIT LSS-25K-3.5 (1 KIT INCLUDES ITEMS 2-7)	--
2	1-512-010005-15	NUT, HEX, SLFLKG GRB 3/4-10	2
3	1-861-010032-20	WASHER, FLAT, 3/4 N ZP/CD	2
4	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	6
5	139201	SCREW, HX CP 3/4-10 UNC X 5.50 GR8	2
6	228951	WIRE ROPE STRAP LSS-25K-3.5	1
7	228952	TUBE RD 1 OD X .782 ID X 7/8	2
8	225955	SHOCK ABSORBER M85323 (NOT INCLUDED) (FOR LSS-25K-3.5RLU)	1

Shock Strap, Limit, LSS-25K-5.5, 16.5 (OPTION)

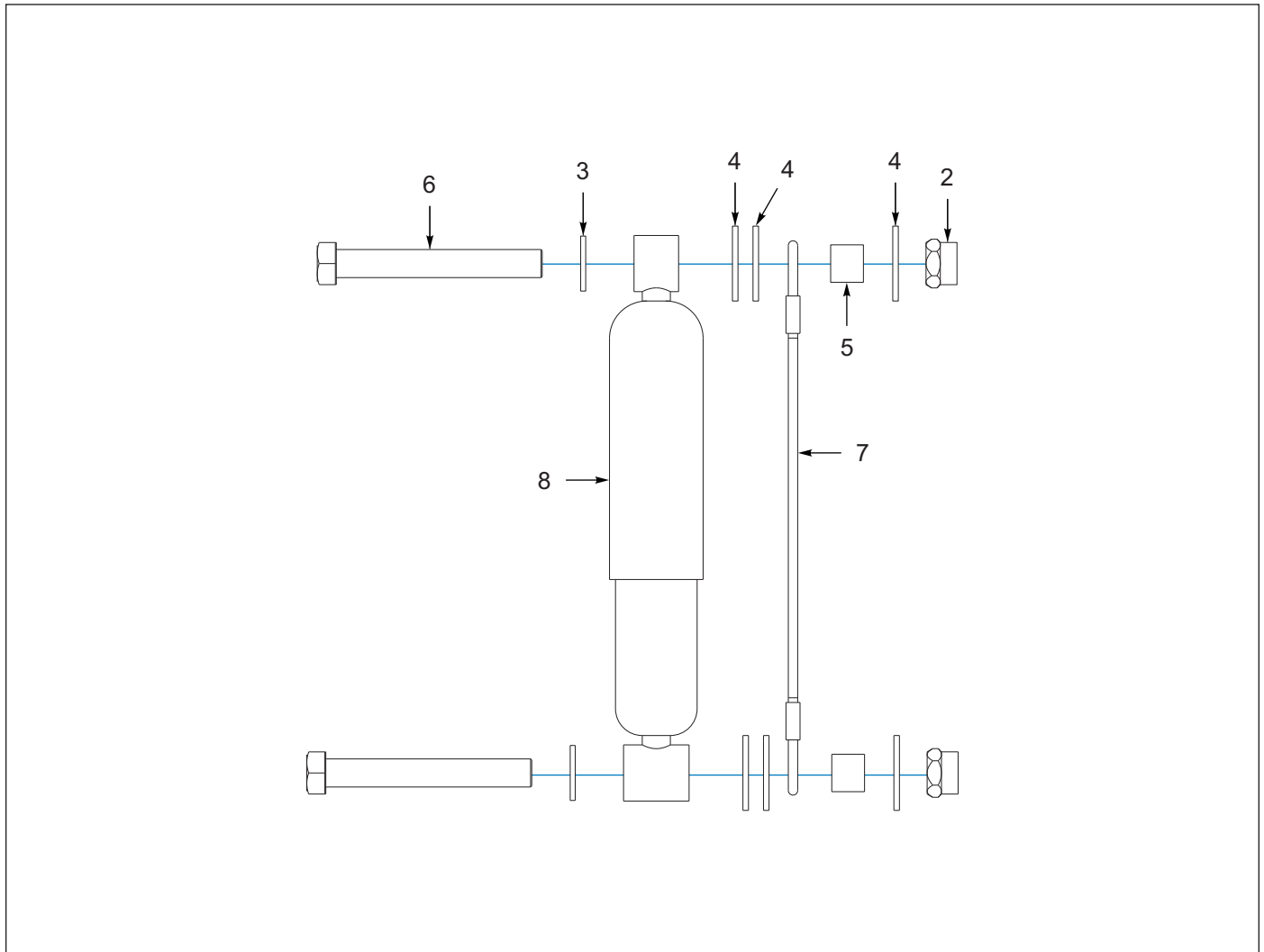


Figure 3-15: Shock Strap, Limit, LSS-25K-5.5, 16.5 (OPTION)

Shock Strap, Limit, LSS-25K-5.5, 16.5 (OPTION)

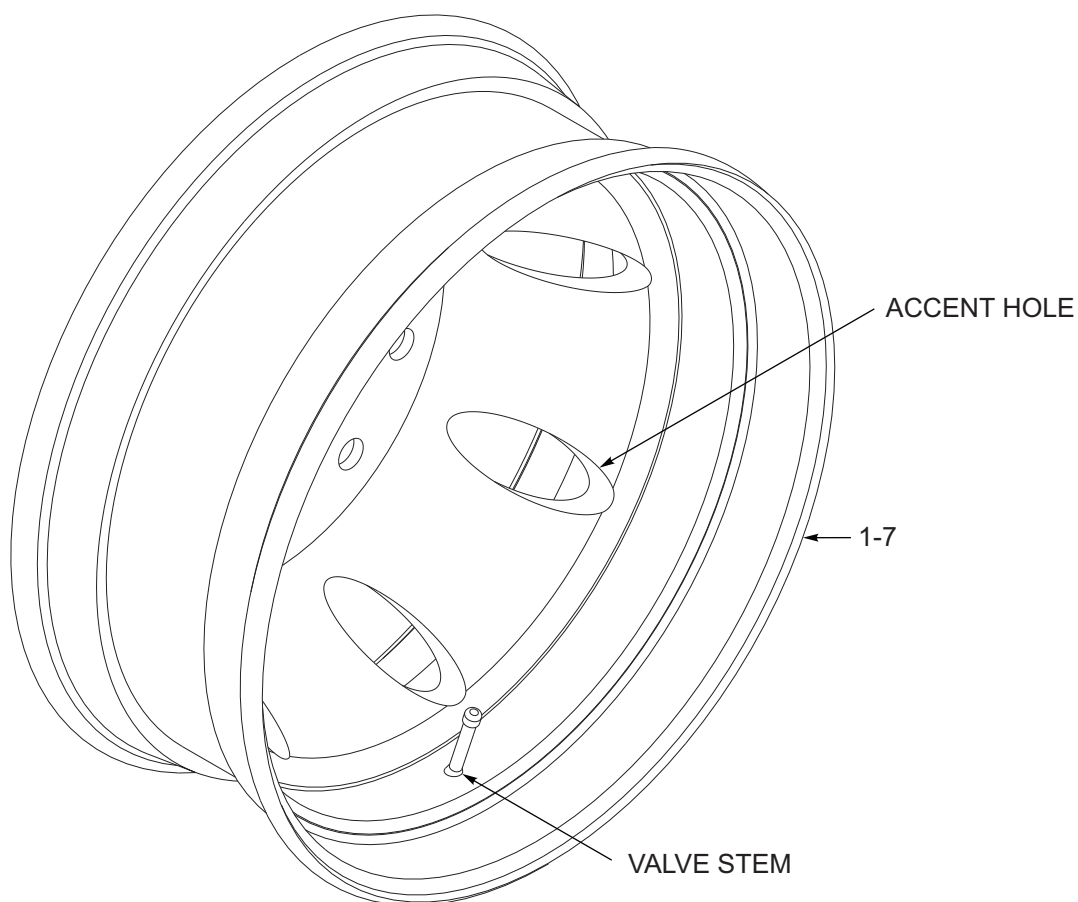
ITEM	PART NUMBER	DESCRIPTION	QTY.
	236487	WR STRAP KIT 1AX LSS-25K-5.5 (INCLUDES 2 KITS, ITEM 1) (FOR 1 AXLE)	--
	236488	4 SHOCK STRAP KITS FOR 2 AXLES (INCLUDES 4 KITS, ITEM 1)	--
	236489	6 SHOCK STRAP KITS FOR 3 AXLES (INCLUDES 6 KITS, ITEM 1)	--
1	236486	STRAP SHOCK LIMIT LSS-25K-5.5 (1 KIT INCLUDES ITEMS 2-7)	--
2	1-512-010005-15	NUT, HEX, SLFLKG GRB 3/4-10	2
3	1-861-010032-20	WASHER, FLAT, 3/4 N ZP/CD	2
4	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	6
5	228952	TUBE RD 1 OD X .782 ID X 7/8 (BEFORE 03/17/2022)	2
5	170120	TUBE, RD 1 ODX .782 ID X 11/16 (AFTER 03/17/2022)	2
6	139201	SCREW, HX CP 3/4-10UNCX5.50GR8 (BEFORE 02/08/2022)	2
6	172883	SCREW HX CP, 3/4-10X5 GR8 ZP (AFTER 02/08/2022)	2
7	236485	WIRE ROPE STRAP LSS-25K-5.5	1
8	242755	SHOCK ABSORBER DEXTER 5.8" (NOT INCLUDED) (FOR LSS-25K-5.5 RLU)	1

Wheels

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 3-16: 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 (OPTIONAL, RIGID STRAIGHT 3" LONG, NOT USED WITH TIRE INFLATION SYSTEMS) (NOT SHOWN)	1

Ramp Assemblies

Front Slope, Deck Components (BEFORE 03/11/2021) (OPTION)

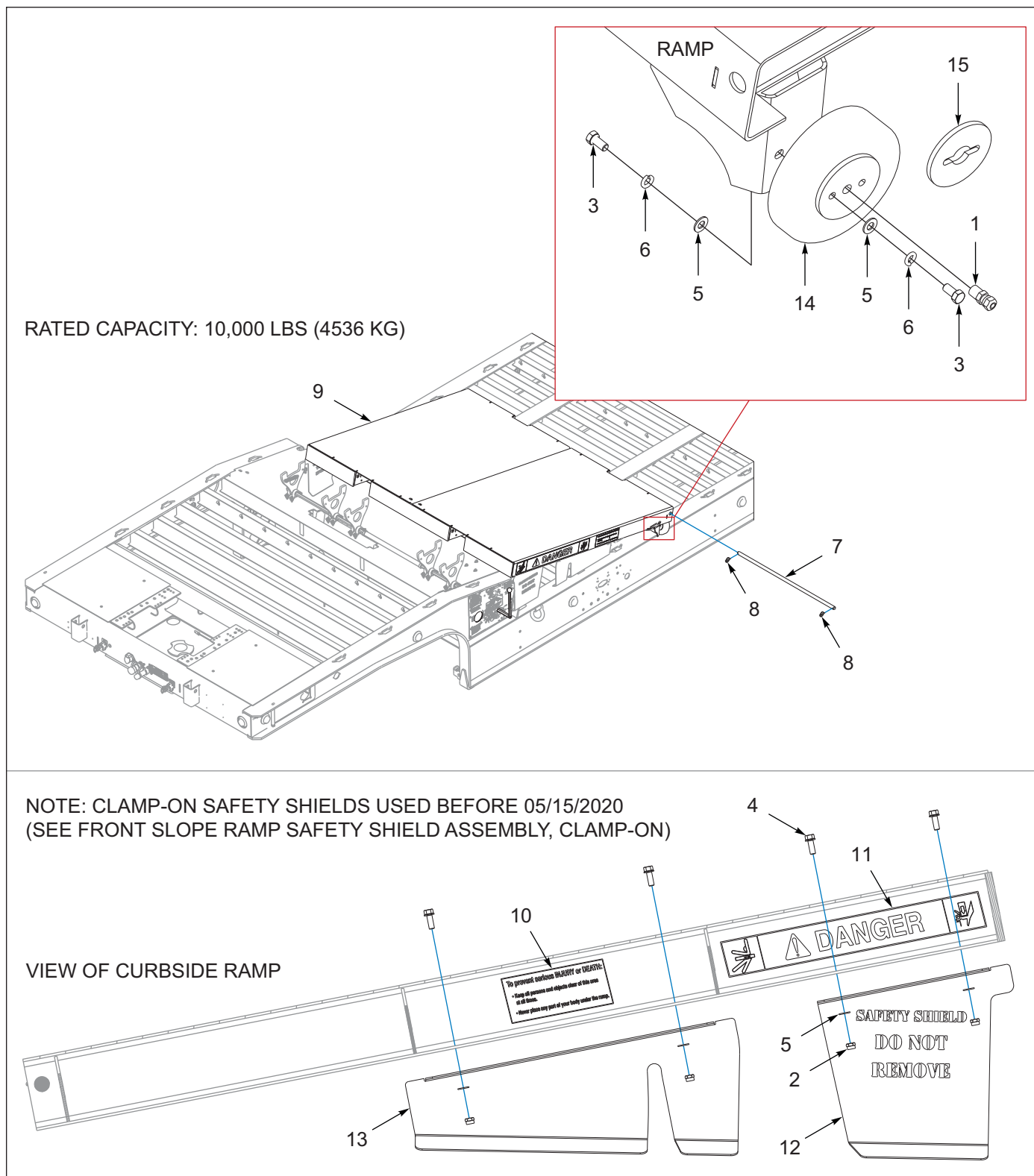


Figure 4-1: Front Slope, Deck Components (BEFORE 03/11/2021) (OPTION)

Front Slope, Deck Components (BEFORE 03/11/2021) (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	139465	RAMP ASSY 6FT 930B D/D (89" WIDE)	- -
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	5
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	8
3	1-654-010051-03	SCREW,HEX CAP,3/8-16UNCX3/4G5	20
4	1-655-010003-05	SCREW,FLANGE HD 3/8-16X1 GR8	8
5	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	28
6	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	20
7	113532	PIN, RAMP HINGE 900	2
8	134912	PIN, LYNCH 1/4 X 1-1/4	4
9	139464	RAMP WLDMT 6FT 930B D/D	1
10	225921	DECAL DANGER RAMP	2
11	225922	DECAL DANGER	2
12	226726	SAFETY SHIELD, FRONT DS YELLOW (STREETSIDE)	1
12	226728	SAFETY SHIELD, FRONT PS YELLOW (CURBSIDE)	1
13	226727	SAFETY SHIELD, REAR DS YELLOW (STREETSIDE)	1
13	226729	SAFETY SHIELD, REAR PS YELLOW (CURBSIDE)	1
14	3-720-010042	SPRING AIR 6-1/2	5
15	140372	SPACER 1/4" SHIM AIR SPRING (DOUBLE DROP DECK ONLY) (AFTER 07/27/2021, NO LONGER USED)	5

Front Slope, Deck Components (AFTER 03/11/2021) (OPTION)

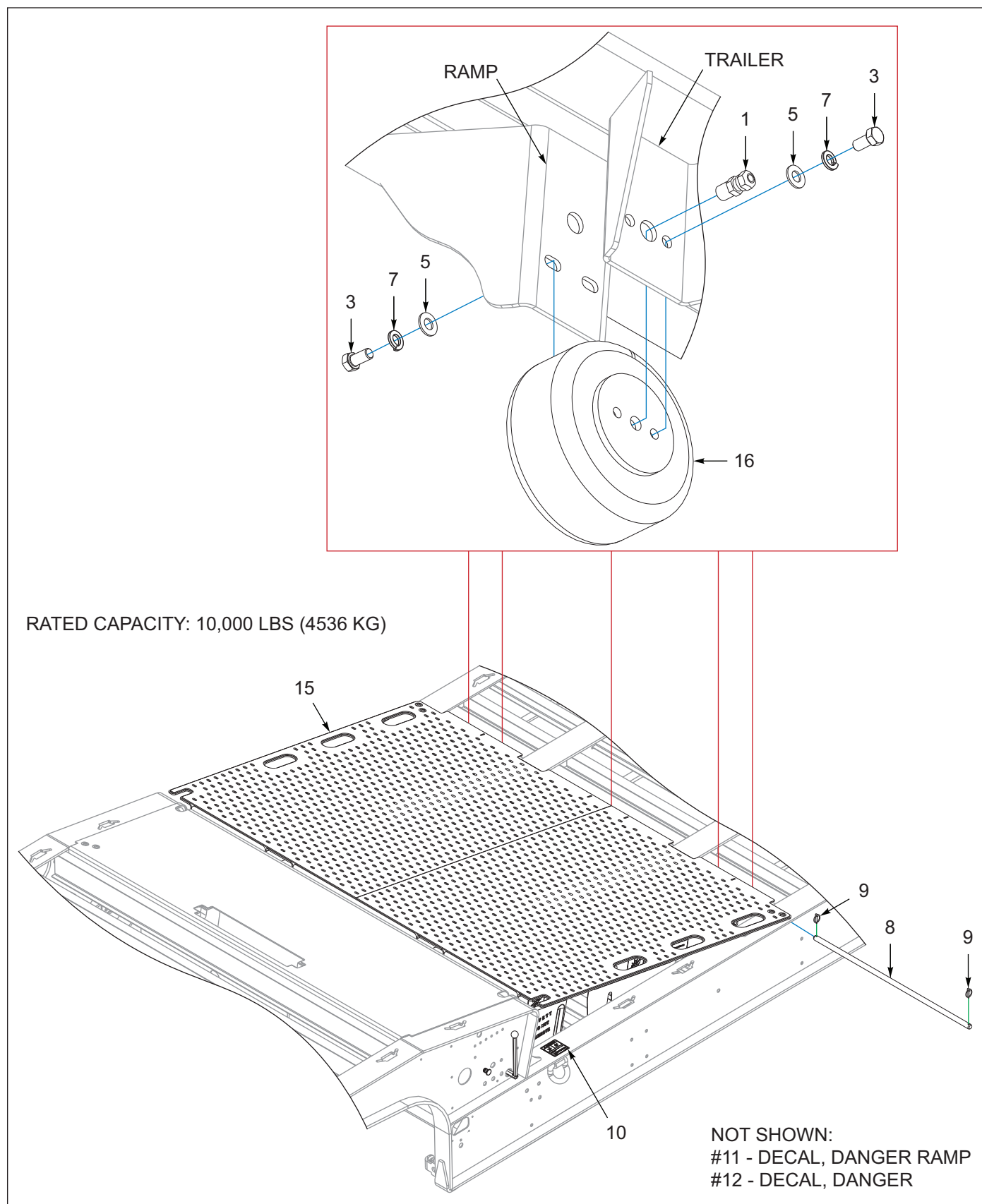


Figure 4-2: Front Slope, Deck Components (AFTER 03/11/2021) (OPTION) (1 of 2)

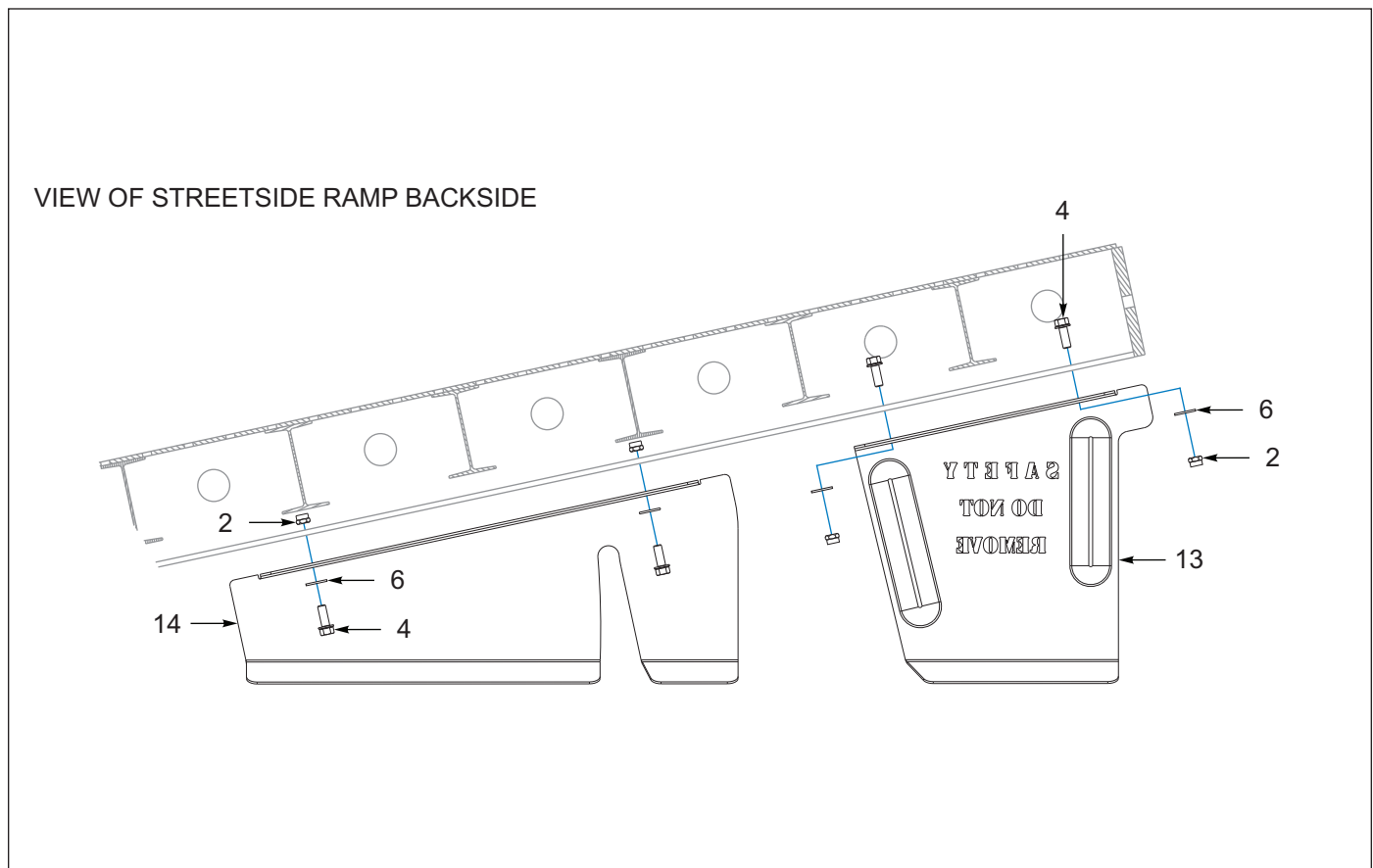


Figure 4-3: Front Slope, Deck Components (AFTER 03/11/2021) (OPTION) (2 of 2)

Front Slope, Deck Components (AFTER 03/11/2021) (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	230695	RAMP INSTL 900 6FT 102" TRLCLR (102" WIDE)	--
	230696	RAMP INSTL 900 6FT 102" GALV (102" WIDE)	--
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	5
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	8
3	1-654-010051-03	SCREW,HEX CAP,3/8-16UNCX3/4G5	20
4	1-655-010003-05	SCREW,FLANGE HD 3/8-16X1 GR8	8
5	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	20
6	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	8
7	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	20
8	113532	PIN, RAMP HINGE 900	2
9	134912	PIN, LYNCH 1/4 X 1-1/4	4
10	2-573-010335	DECAL, DANGER PINCHING (DECALS - SEE PAGE 1-5)	2
11	225921	DECAL DANGER RAMP (NOT SHOWN - SEE PAGE 1-5)	2
12	225922	DECAL DANGER (NOT SHOWN - SEE PAGE 1-5)	2
13	226726	SAFETY SHIELD, FRONT DS YELLOW (STREETSIDE)	1
13	226728	SAFETY SHIELD, FRONT PS YELLOW (CURBSIDE)	1
14	226727	SAFETY SHIELD, REAR DS YELLOW (STREETSIDE)	1
14	226729	SAFETY SHIELD, REAR PS YELLOW (CURBSIDE)	1
15	230698	RAMP 900 6FT 102" TRL CLR	1
15	230699	GALV OF 230697 (RMP 6FT 102)	1
16	3-720-010042	SPRING AIR 6-1/2 (AIR SYSTEM - SEE PAGE 6-11)	5

Front Slope, Support Components (BEFORE 03/11/2021) (OPTION)

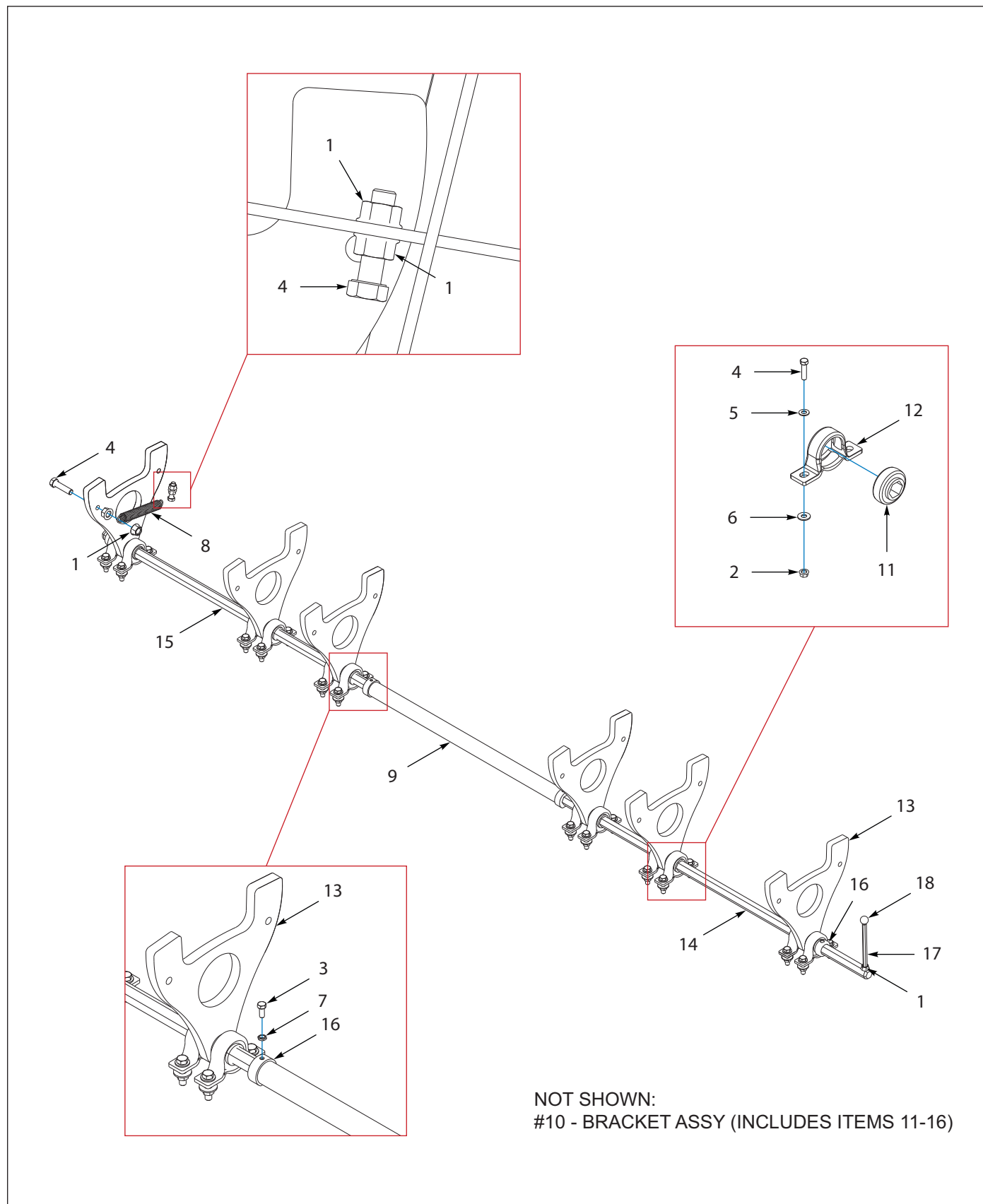


Figure 4-4: Front Slope, Support Components (BEFORE 03/11/2021) (OPTION)

Front Slope, Support Components (BEFORE 03/11/2021) (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	139465	RAMP ASSY 6FT 930B D/D (89" WIDE)	--
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G (BEFORE 05/18/2020, HANDLE REQ 1 EACH-JAM NUT)	4
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	24
3	107-0975	SCREW SET LOCK 5/16 -18X3/8LG (BEFORE 06/22/2020)	4
3	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5 (AFTER 06/22/2020)	4
4	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	26
5	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	24
6	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	24
7	112-1550	5/16-18 HEX JAM NUT ZP	2
8	129985	SPRING EXTENSION 7/8X6X.091	1
9	137069	COUPLER SHAFT RAMP LATCH WLDMT	1
10	141606	BRACKET ASSY 930 RAMP (INCLUDES ITEMS 11-16)	1
11	135357	BEARING SELF ALIGN 7/8HEX HD	12
12	135398	PILLOW BLOCK STAMPED 52MM	12
13	136225	LATCH WLDMT RAMP 930B	6
14	137065	SHAFT,LH HEX RAMP LATCH 930B (BEFORE 06/22/2020 - AFTER OBSOLETE)	--
14	229195	SHAFT, LH 1/2 HEX RAMP LATCH (AFTER 06/22/2020)	1
15	137066	SHAFT,RH HEX RAMP LATCH 930B	1
16	71503635	COLLAR,RETAINING 1"	4
17	108969	ROD,THREADED RAMP HDL (BEFORE 05/18/2020 - AFTER OBSOLETE)	--
17	225918	HANDLE RAMP (AFTER 05/18/2020 - BEFORE 06/22/2020)	1
17	229196	HANDLE RAMP - 1/2 (AFTER 06/22/2020)	1
18	3-360-010072	HANDLE PLASTIC BLACK (BEFORE 05/18/2020 - AFTER OBSOLETE)	--
18	95	BALL KNOB 3/8-24X1/2 DP (AFTER 05/22/2020)	1

Front Slope, Support Components (AFTER 03/11/2021) (OPTION)

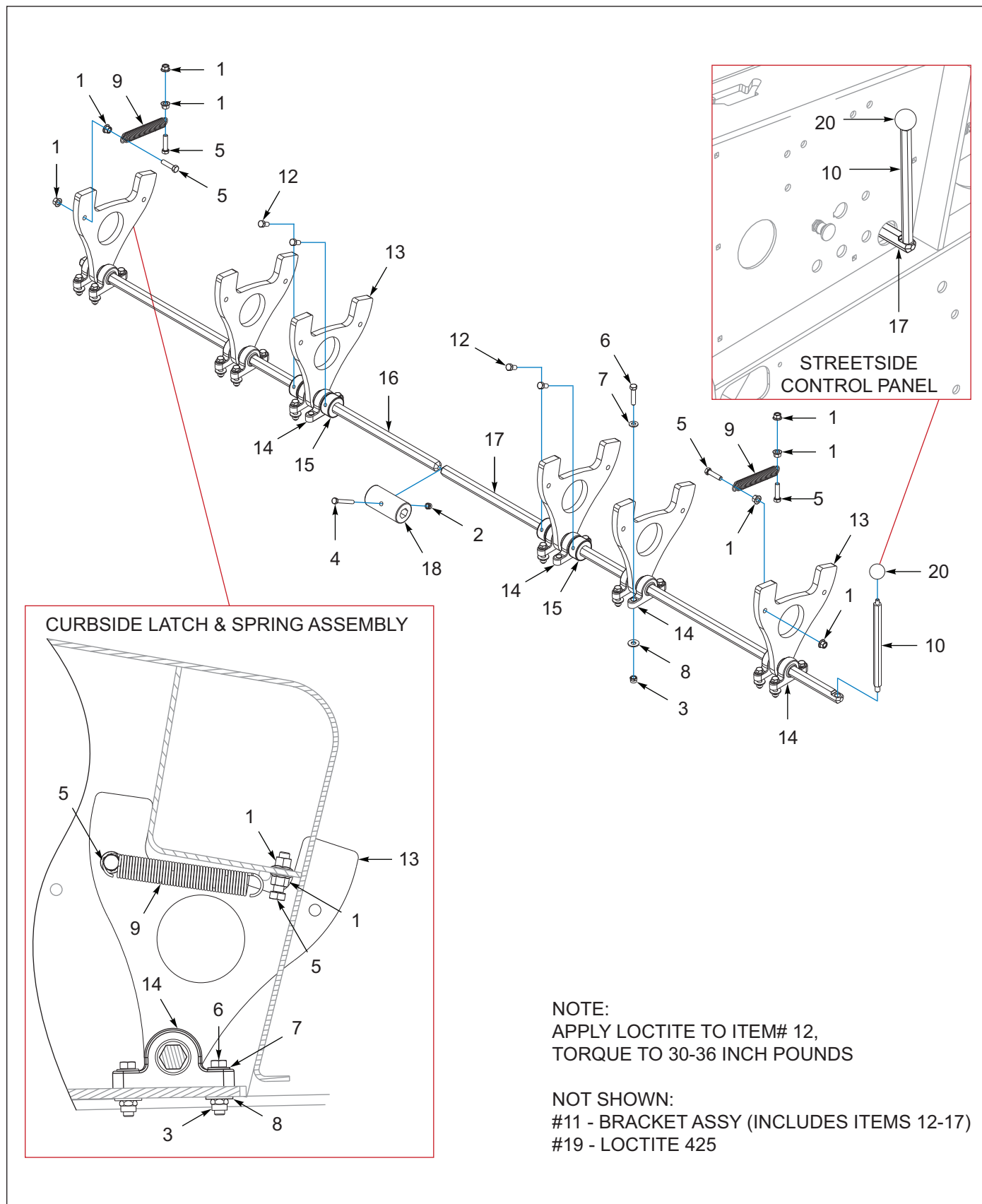


Figure 4-5: Front Slope, Support Components (AFTER 03/11/2021) (OPTION)

Front Slope, Support Components (AFTER 03/11/2021) (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	230695	RAMP INSTL 900 6FT 102" TRLCCLR (102" WIDE)	--
	230696	RAMP INSTL 900 6FT 102" GALV (102" WIDE)	--
	238291	RAMP SUPPORT UPDATE KIT 900 (INCLUDES ITEMS 1-20)	--
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G (BEFORE 11/19/2022 REQ 4 EACH)	8
2	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	1
3	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	24
4	1-654-010049-11	SCREW,HX CAP,5/16-18UNCX2-1/2	1
5	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2 (BEFORE 11/19/2022 REQ 2 EACH)	4
6	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	24
7	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	24
8	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	24
9	129985	SPRING EXTENSION 7/8X6X.091 (BEFORE 11/19/2022 REQ 1 EACH)	2
10	229196	HANDLE RAMP - 1/2	1
11	230700	BRACKET ASSY FRONT 900E RAMP (INCLUDES ITEMS 12-17)	1
12	1-654-010051-03	SCREW,HEX CAP,3/8-16UNCX3/4G5	4
13	136225	LATCH WLDMT RAMP 930B	6
14	230713	BEARING P/B SELF-ALIGN 7/8 HEX	12
15	230715	COLLAR RETAINING 1" ID NYLA	4
16	230717	SHAFT RH HEX RAMP 900E	1
17	230718	SHAFT LH 1/2 HEX RAMP 900E	1
18	230716	COUPLER 7/8" HEX SHAFT NYLA	1
19	230719	LOCTITE 425 PLASTIC THRD LKR	1
20	95	BALL KNOB 3/8-24X1/2 DP	1

Front Slope, Ramp Deck Extension W/ Tread Grip (OPTION)

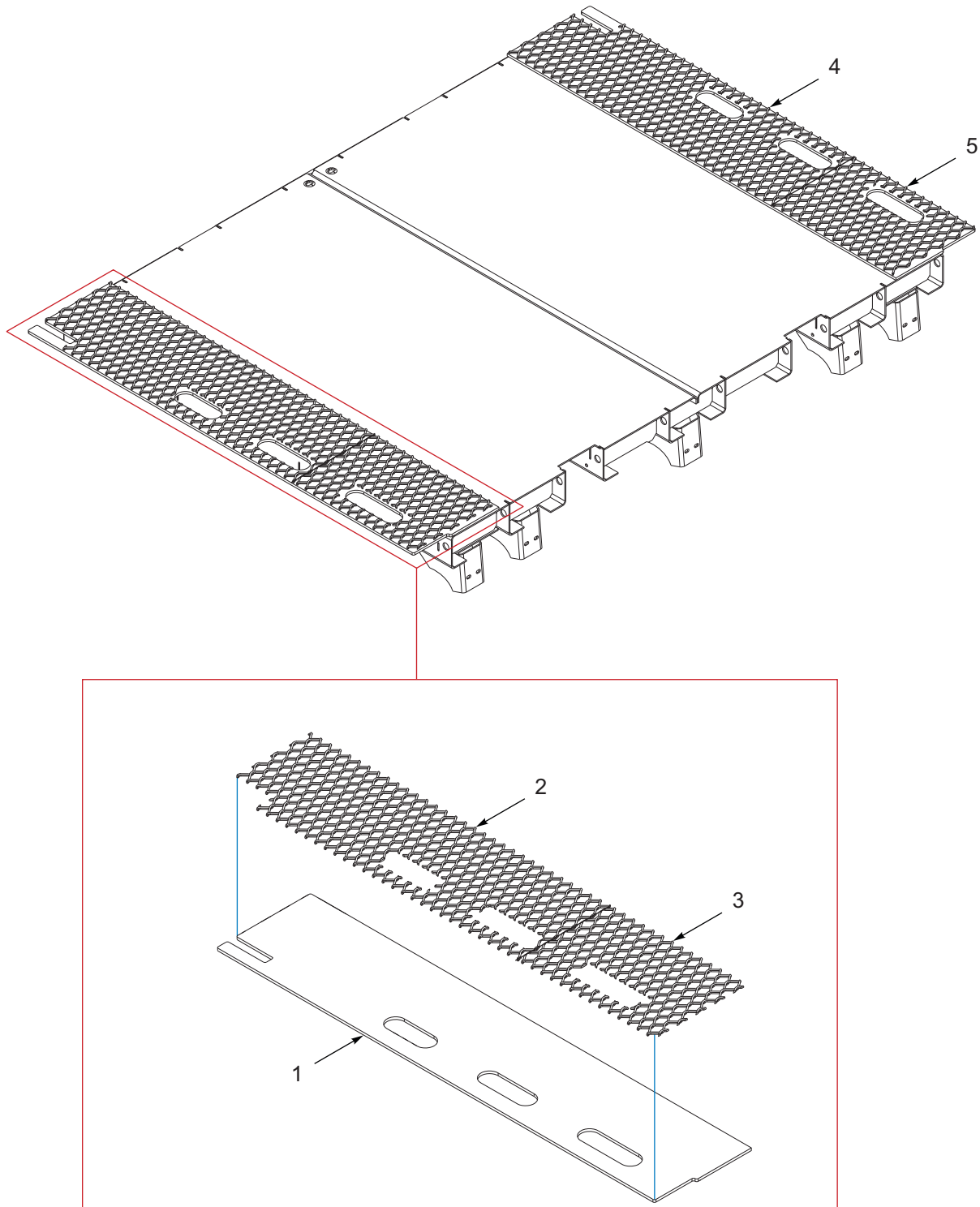


Figure 4-6: Front Slope, Ramp Deck Extension W/ Tread Grip (OPTION)

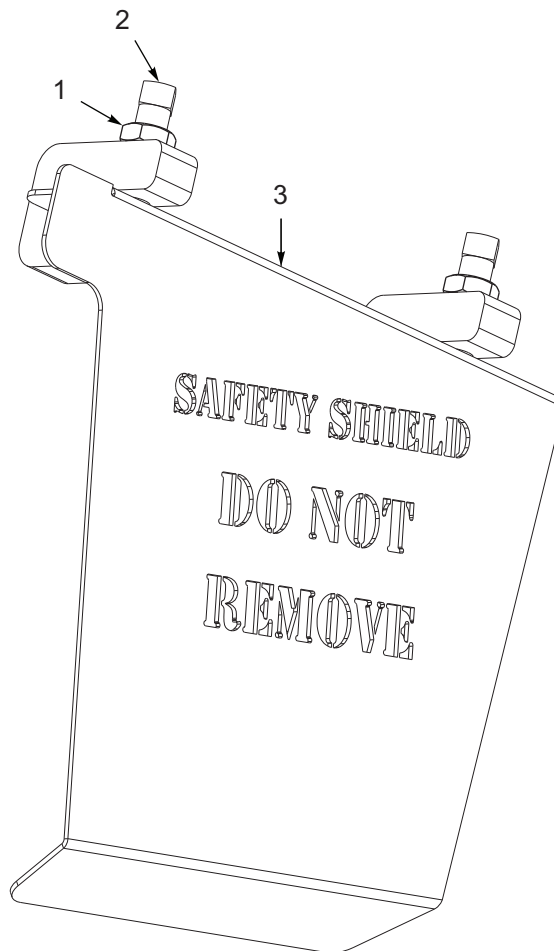
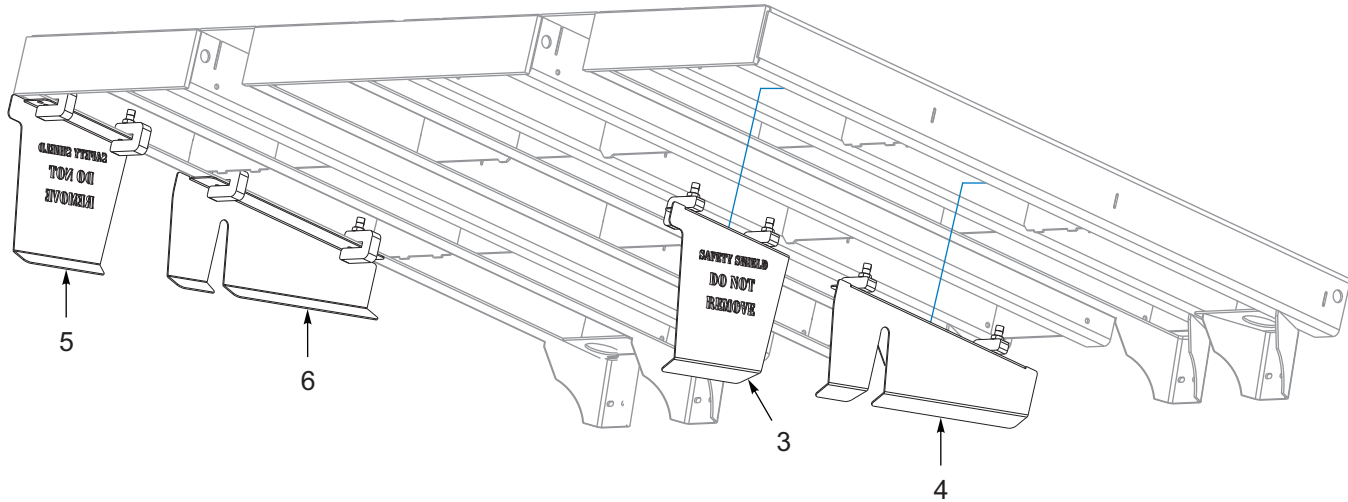
Front Slope, Ramp Deck Extension W/ Tread Grip (OPTION)

ITEM	PART NUMBER	DESCRIPTION	
	181546	RAMP WLDMT MOD 6' 900 (89" WIDE) (BEFORE 05/13/2020, REQ ITEMS 1-3) (REPLACED BY 213999)	--
	213999	RAMP WLDMT 6FT EXP-EXT (89" WIDE) (AFTER 05/13/2020, REQ ITEMS 1-5) (REPLACED 181546)	--
	238220	RMP EXP MTL 900 STD 6' TRL CLR (102" WIDE STANDARD DECK)	--
	238221	GALV OF 233581(RMP 6' EXP MTL) (102" WIDE STANDARD DECK GALV)	--
	238222	RMP EXP MTL 900 DD 6' TRL CLR (102" WIDE DROP DECK)	--
	238223	GALV OF 233598(RMP 6' EXP MTL) (102" WIDE DROP DECK GALV)	--
1	181547	PLATE WIDTH EXT 6' RAMP (89" WIDE ONLY)	2
2	181548	EXP MTL,WIDTH EXT 6 RMP STREET (86" WIDE BEFORE 05/13/2020, REQ 2 EACH - AFTER CURBSIDE REPLACED BY ITEM 4)	1
2	233582	EXP MTL 6' RMP OTR LH FRONT (102" WIDE STANDARD DECK, SPECIFY IF ORDERING GALV)	1
2	233599	EXP MTL 6' DD RMP OTR LH FRONT (102" WIDE DROP DECK, SPECIFY IF ORDERING GALV)	1
3	182459	EXP MTL, 21-3/4X14-3/4 STREET (86" WIDE BEFORE 05/13/2020, REQ 2 EACH - AFTER CURBSIDE REPLACED BY ITEM 5)	1
3	233583	EXP MTL 6' RMP OTR LH REAR (102" WIDE STANDARD DECK, SPECIFY IF ORDERING GALV)	1
3	233600	EXP MTL 6' DD RMP OTR LH REAR (102" WIDE DROP DECK, SPECIFY IF ORDERING GALV)	1
4	227524	EXP MTL, WIDTH EXT 6RMP CURB (89" WIDE)	1
4	233584	EXP MTL 6' RMP OTR RH FRONT (102" WIDE STANDARD DECK, SPECIFY IF ORDERING GALV)	1
4	233601	EXP MTL 6' DD RMP OTR RH FRONT (102" WIDE DROP DECK, SPECIFY IF ORDERING GALV)	1
5	227525	EXP MTL,21-3/4X14-3/4 CURB (89" WIDE)	1
5	233585	EXP MTL 6' RMP OTR RH REAR (102" WIDE STANDARD DECK, SPECIFY IF ORDERING GALV)	1
5	233602	EXP MTL 6' DD RMP OTR RH REAR (102" WIDE DROP DECK, SPECIFY IF ORDERING GALV)	1

Front Slope, Safety Shields, Clamp-On (OPTION)

NOTE:

FOR RAMP DECKS BUILT BEFORE 05/18/2020,
AFTER USE BOLT-ON (SEE FRONT SLOPE, DECK COMPONENTS).



STREETSIDE FRONT SHIELD ASSEMBLY DISPLAYED

Figure 4-7: Front Slope, Safety Shields, Clamp-On (OPTION)

Front Slope, Safety Shields, Clamp-On (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	229162	930 TRAILER SHIELD FIELD INSTL (INCLUDES ITEMS 1-6)	1
1	1-511-010001-07	NUT, HEX JAM 5/8-11	8
2	1-654-010150-05	SCREW,SET,5/8X2 SQ HD CP PNT	8
3	229163	WLDMT, SAFETY SHIELD, FRONT DS (STREETSIDE FRONT)	1
4	229165	WLDMT,SAFETY SHIELD,REAR DS (STREETSIDE REAR)	1
5	229167	WLDMT,SAFETY SHIELD,FRT PS (CURBSIDE FRONT)	1
6	229169	WLDMT, SAFETY SHIELD, REAR PS (CURBSIDE REAR)	1

Steps, Storage and Tie Down Assemblies

Chain Tray Assembly (BEFORE 01/17/2022) (OPTIONS)

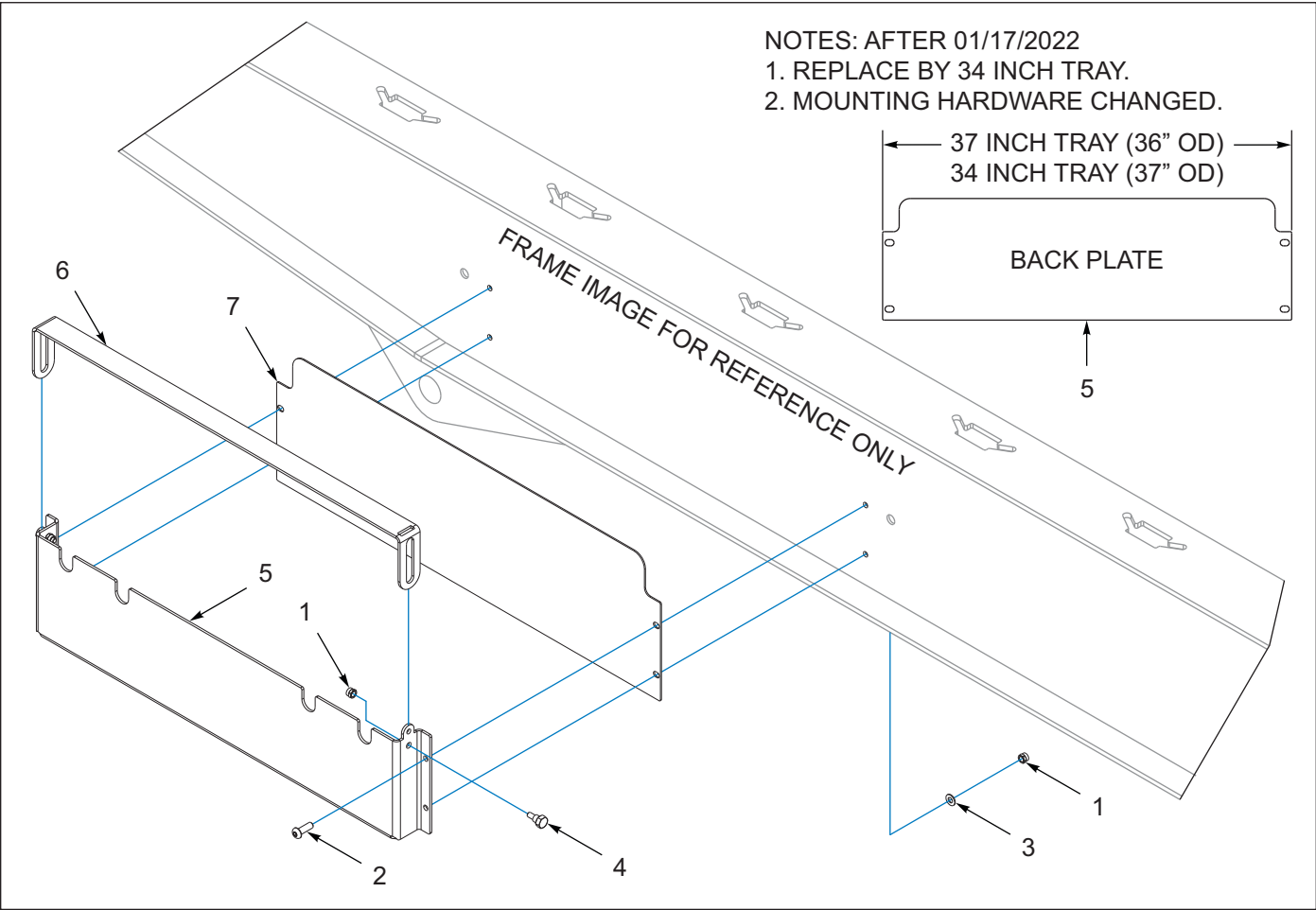


Figure 5-1: Chain Tray Assembly (BEFORE 01/17/2022) (OPTIONS)

Chain Tray Assembly (BEFORE 01/17/2022) (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	208320	CHAIN TRAY,YELLOW BOLT-ON W/LD (W/ LID)	--
	219615	CHAIN TRAY, TRL-CLR BLT-ON W/L (W/ LID)	--
	208321	CHAIN TRAY, YELLOW BOLT-ON (WO/ LID)	--
	219616	CHAIN TRAY, TRL-CLR BOLT-ON (WO/ LID)	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 (W/ LID REQUIRES 6 EACH) (WO/ LID REQUIRES 4 EACH)	--
2	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5 (BEFORE 08/06/2020)	4
2	108336	SCREW SKT BTN 3/8-16X1 (AFTER 08/06/2020)	4
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	4
4	2-095-010017	BOLT, SHOULDER HEX HEAD (W/ LID)	2
5	208318	CHAIN TRAY, BOLT-ON 8X37 (37 INCH REPLACED BY 34 INCH)	--
6	208319	CHAIN TRAY LID (W/LID) (37 INCH REPLACED BY 34 INCH)	--
7	225873	CHAIN TRAY LONG REAR (37 INCH REPLACED BY 34 INCH)	--

Chain Tray Assembly (AFTER 01/17/2022) (OPTIONS)

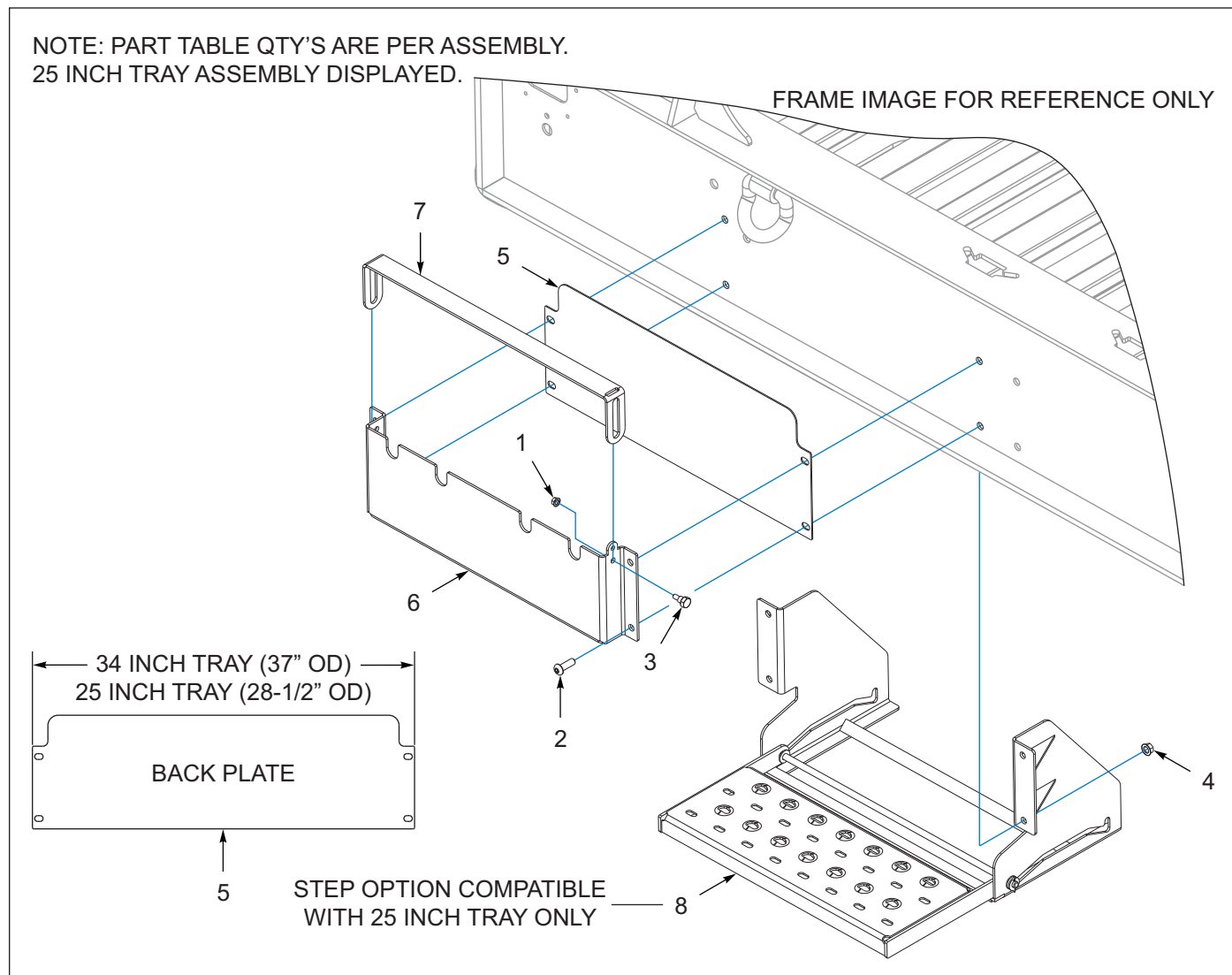


Figure 5-2: Chain Tray Assembly (AFTER 01/17/2022) (OPTIONS)

Chain Tray Assembly (AFTER 01/17/2022) (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	238194	CHAIN TRAY INSTL (4) GALV W/LD (4 EACH)	--
	238196	CHAIN TRAY INSTL (2) GALV W/LD (2 EACH)	--
1	107470	NUT, SPIRALOCK 3/8-16HX	2
2	129454	SCREW, BHSC 1/2-13UNC X 1.500	4
3	2-095-010017	BOLT, SHOULDER HEX HEAD	2
4	223247	NUT, 1/2-13 UNC FLG LOCK GR G	4
5	220517	CHAIN TRAY REAR PLT ALUM (25 INCH)	1
5	238187	CHAIN TRAY RR PLT ALUM 8X34 (34 INCH)	1
6	238186	GALV OF 220515 (CHN TRY 8X25) (25 INCH)	1
6	238184	GALV OF 238184 (CHN TRY 8X34) (34 INCH)	1
7	238191	GALV OF 220516 (CHN TRY 25") (25 INCH)	1
7	238189	GALV OF 208319 (CHN TRY LID34") (34 INCH)	1
8	175632	STEP ASSY, RETRACTABLE, YELLOW (OPTION - SEE PAGE 5-9)	1

Spare Tire Mount, Front Pocket (OPTIONS)

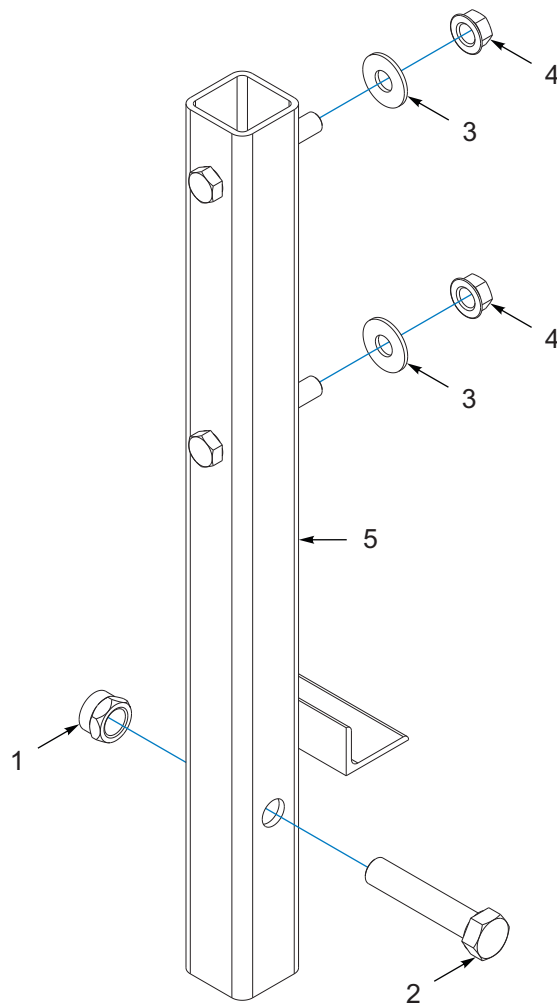


Figure 5-3: Spare Tire Mount, Front Pocket (OPTIONS)

Spare Tire Mount, Front Pocket (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	130282	MOUNT ASSY SPARE TIRE 317 (17.5 RIMS) (INCLUDES ITEMS 1-5)	--
	169641	MNT ASSY SPR 255/275 TIRE (22.5 RIMS) (INCLUDES ITEMS 1-4, 5)	--
1	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	1
2	1-654-010065-15	SCREW HX CP 1-8UNCX5 GR5	1
3	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	2
4	103841	NUT,FLG,LNK,SERRATED 3/4-10UNC	2
5	130280	MOUNT WLDMT SPARE TIRE 317 (17.5 RIMS)	1
5	169639	MOUNT WLDMT SPARE 255 TIRE (22.5 RIMS)	1

Spare Tire Mount, Upper Deck (OPTION)

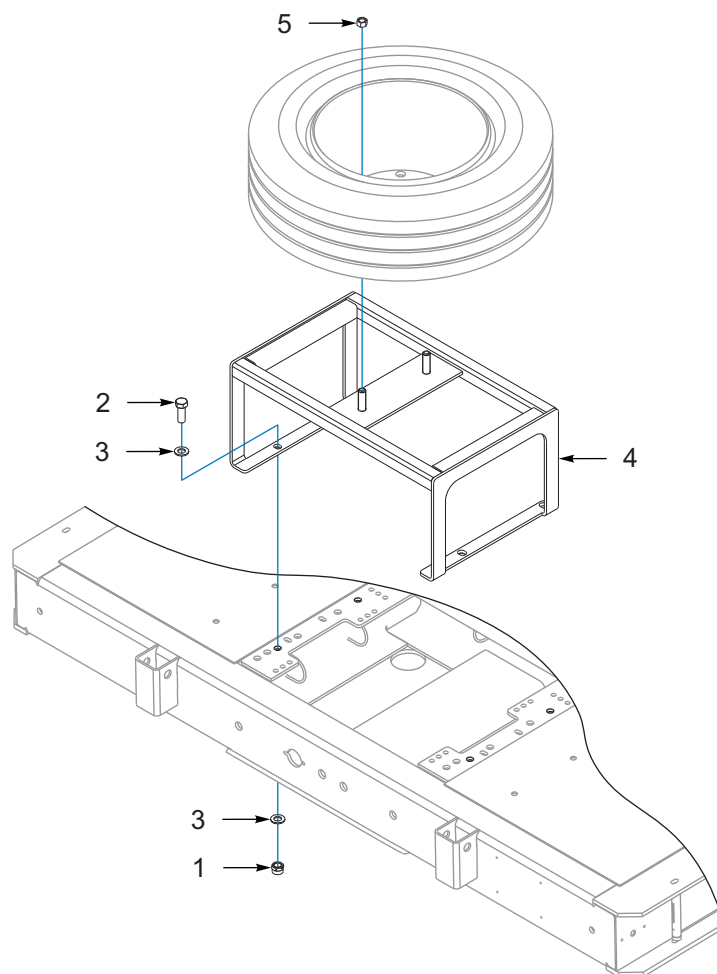


Figure 5-4: Spare Tire Mount, Upper Deck (OPTION)

Spare Tire Mount, Upper Deck (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	163790	MOUNT ASSY SPARE TIRE HOR 235	--
1	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	4
2	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	4
3	1-861-010032-20	WASHER, FLAT,3/4 N ZP/CD	8
4	163791	MOUNT WLDT SPARE TIRE HOR 235	1
5	179933	NUT, HEX M22X1.5	2

Step, Folding Assembly (OPTIONS)

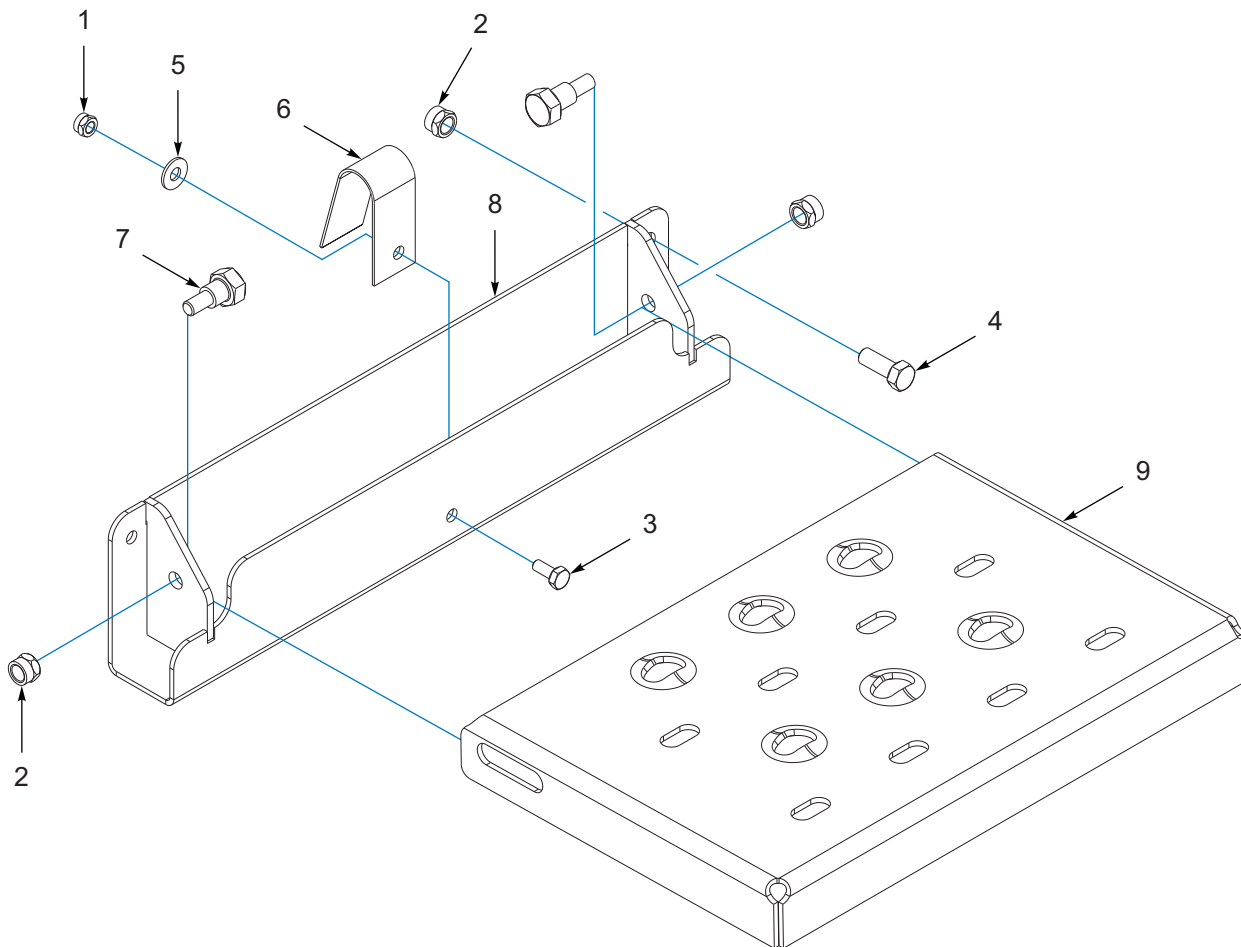


Figure 5-5: Step, Folding Assembly (OPTIONS)

Step, Folding Assembly (OPTIONS)

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

Step, Folding Handle Assembly (OPTIONS)

NOTE:
STREETSIDE ASSEMBLY SHOWN.
CURBSIDE NEEDS ITEMS 9, 12 FLIPPED.

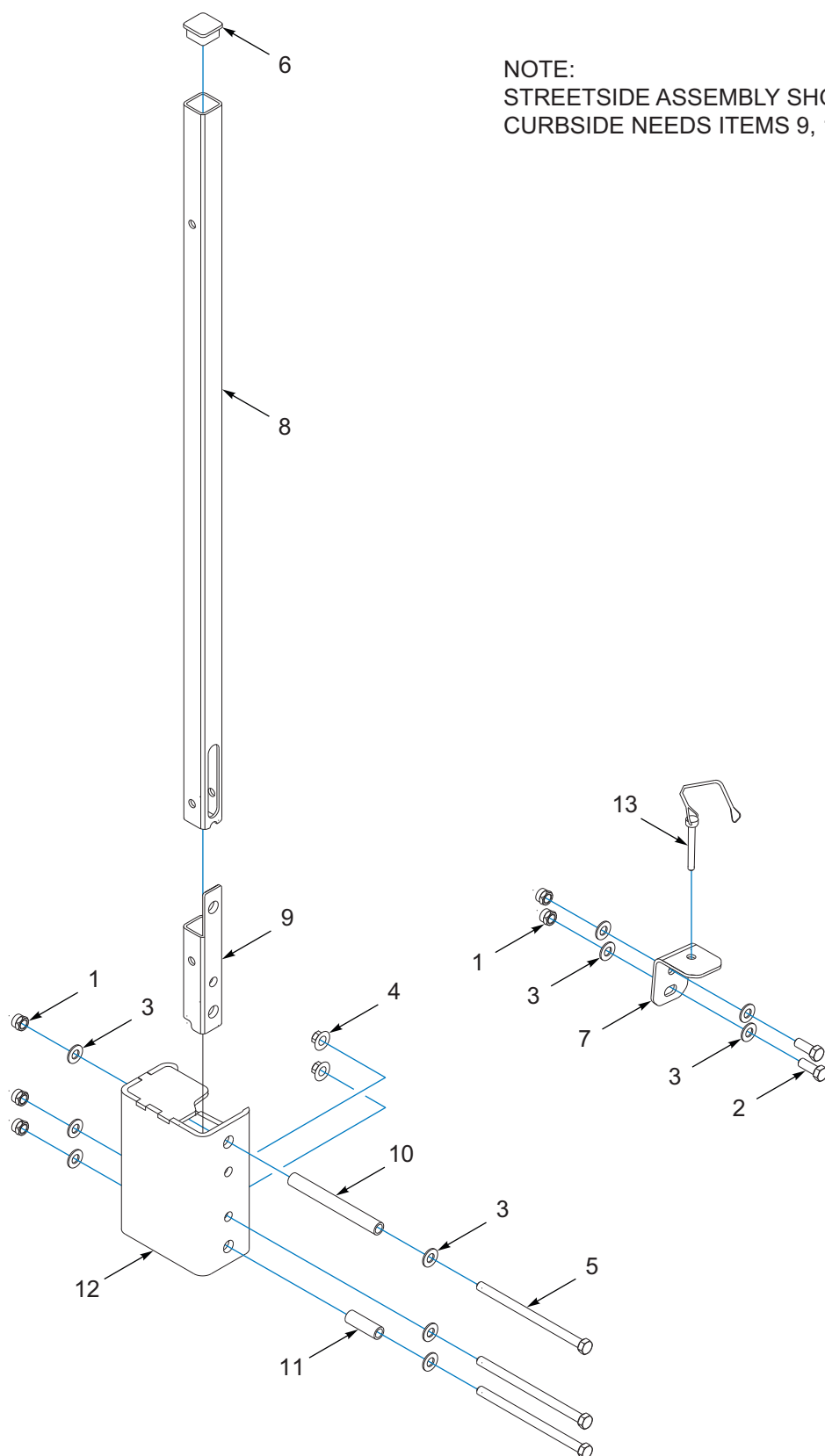


Figure 5-6: Step, Folding Handle Assembly (OPTIONS)

Step, Folding Handle Assembly (OPTIONS)

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

Step, Retractable Assembly (OPTIONS)

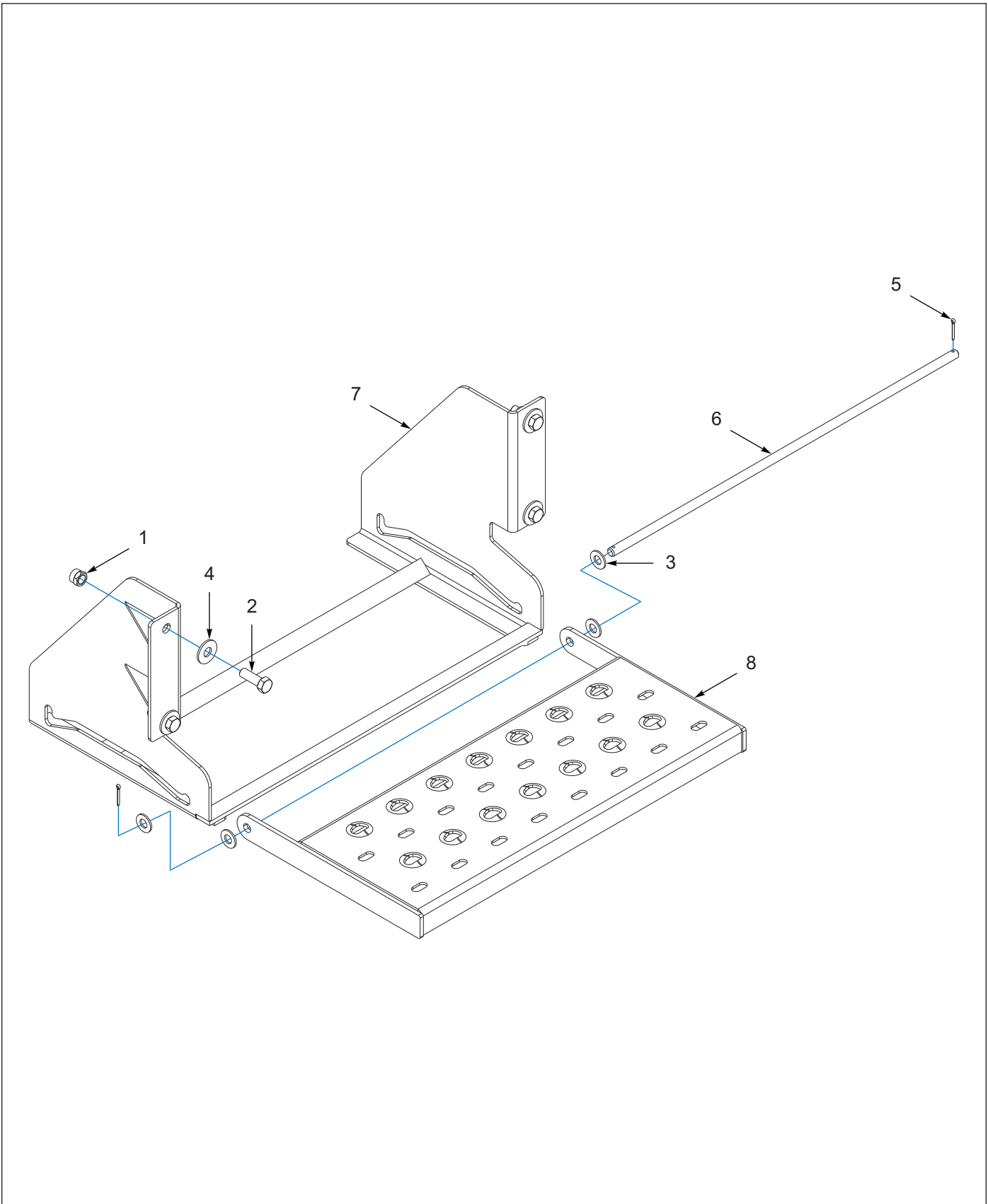


Figure 5-7: Step, Retractable Assembly (OPTIONS)

Step, Retractable Assembly (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	175632	STEP ASSY,RETRACTABLE,YELLOW (REF 1)	--
	216271	STEP ASSY, RETRACTABLE GALV (REF 2)	--
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	220293	MOUNT,RETRACTABLE STEP, BLACK (REF 1)	1
7	216269	MOUNT,RETRACTABLE STEP, GALV (REF 2)	1
8	220294	STEP,RETRACTABLE, YELLOW (REF 1)	1
8	216270	STEP,RETRACTABLE, GALV (REF 2)	1

Step, Retractable Drawer Assembly (OPTIONS)

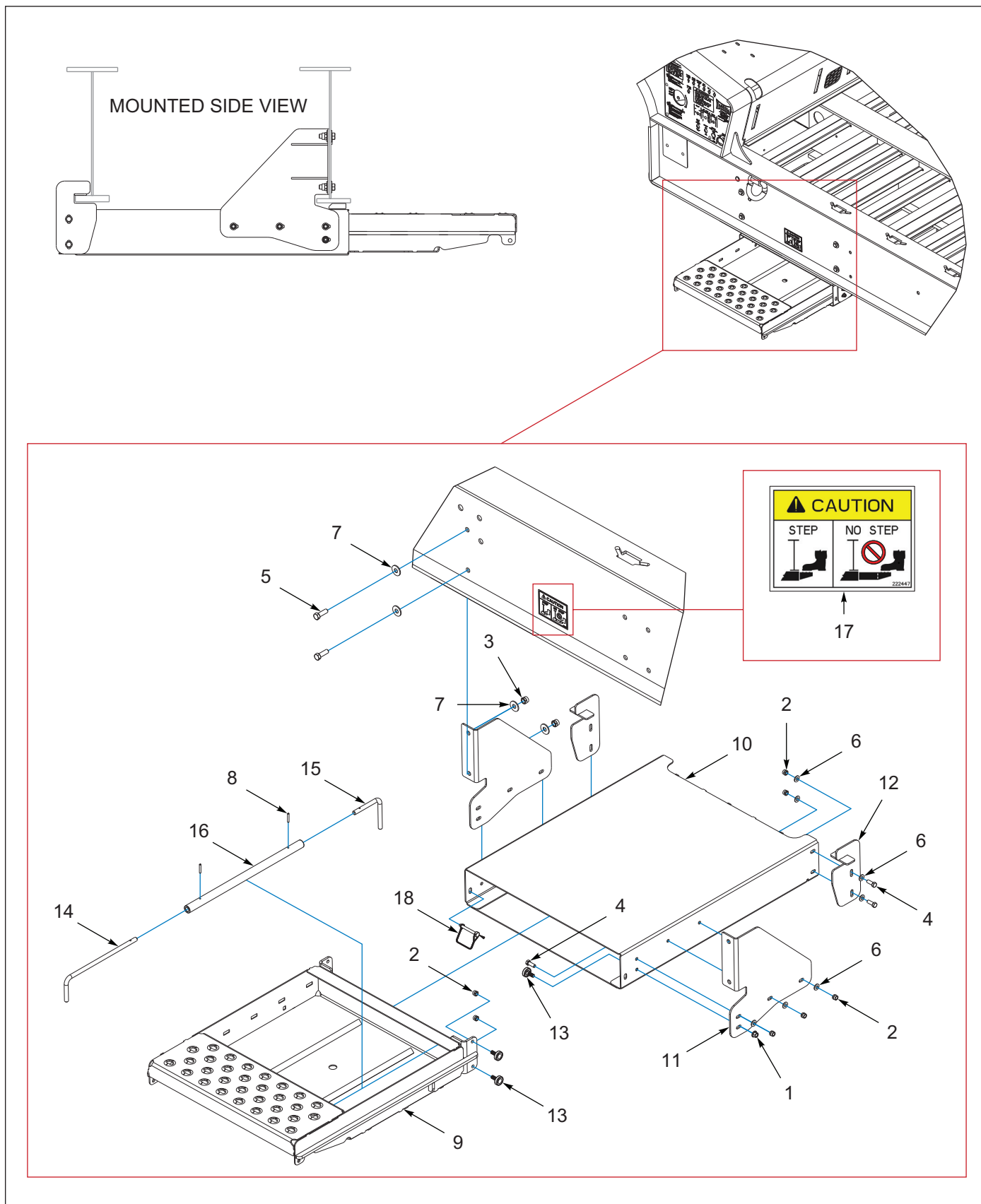


Figure 5-8: Step, Retractable Drawer Assembly (OPTIONS)

Step, Retractable Drawer Assembly (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	222445	INSTL STEP/DRAWER COMBO YLW/BK (REF 1)	--
	222446	INSTL STEP/DRAWER COMBO GALV (REF 2)	--
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 (REF 1)	1
9	222441	GALV OF 221640 (STP/DRWR STRG) (REF 2)	1
10	222442	HOUSING STEP/DRAWER 900 BLACK (REF 1)	1
10	222443	GALV OF 221645 (STP/DRWR HSG) (REF 2)	1
11	222436	HANGER FRONT STEP/DRAWER BLACK (REF 1)	2
11	222437	GALV OF 221652 (STP/DRWR HGR) (REF 2)	2
12	222438	HANGER REAR STEP/DRAWER BLACK (REF 1)	1
12	222439	GALV OF 222434 (STP/DRWR HGR) (REF 2)	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

Tie Down, D-Ring, Bolt-On, Winch (OPTION)

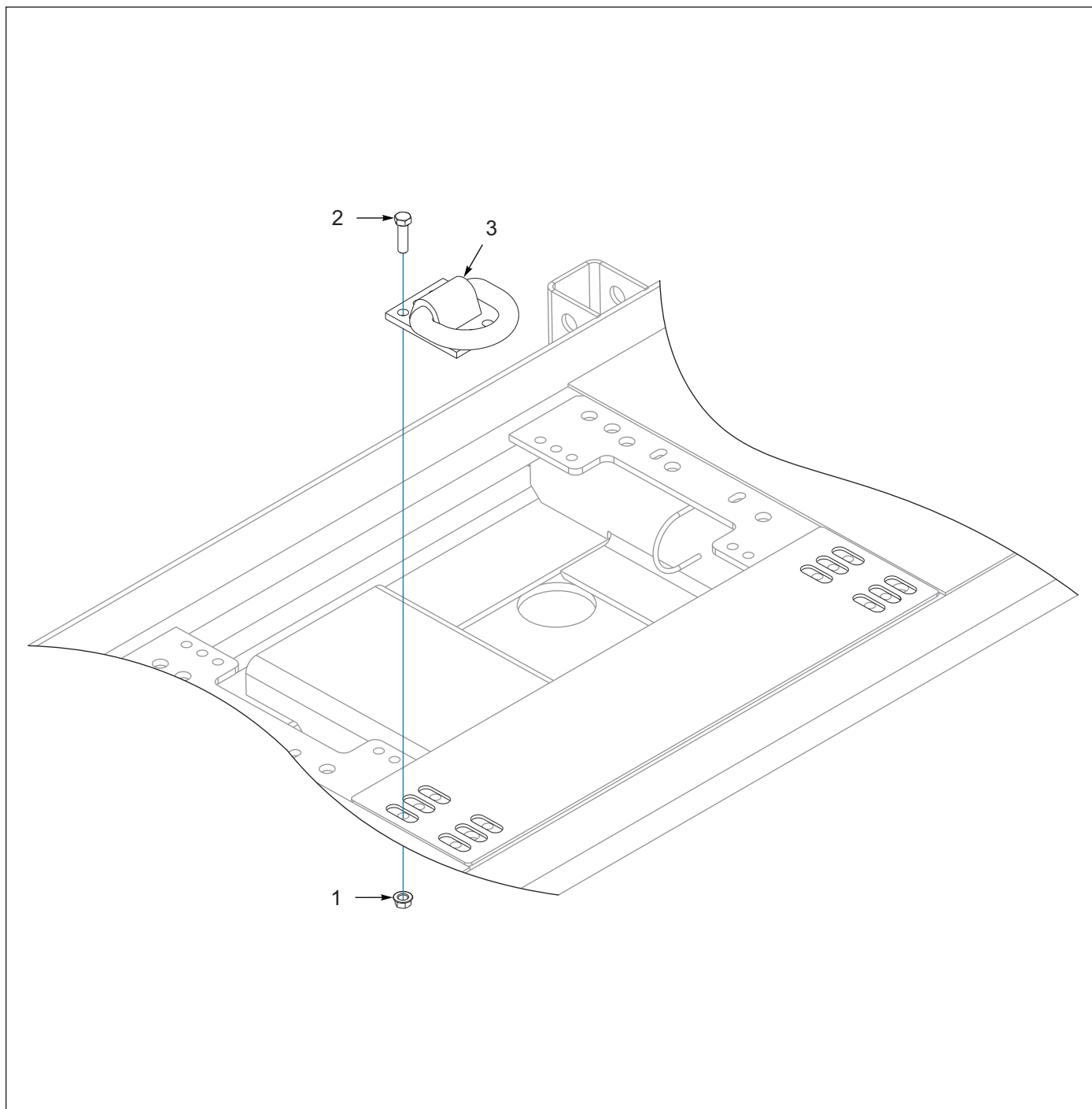


Figure 5-9: Tie Down, D-Ring, Bolt-On, Winch (OPTION)

Tie Down, D-Ring, Bolt-On, Winch (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-793-010041	TIE DOWN INSTL,WINCH D-RING	--
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	6
2	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	6
3	3-793-010040	TIE DOWN, WINCH	1

[illegible]

Toolbox, Bolt-On, 42"W X 28"D X 9"H (OPTIONS)

NOT SHOWN:

8 - SEAL, DOOR, RUBBER TRIM

14 - LOCKTITE (USED ON ITEM 10)

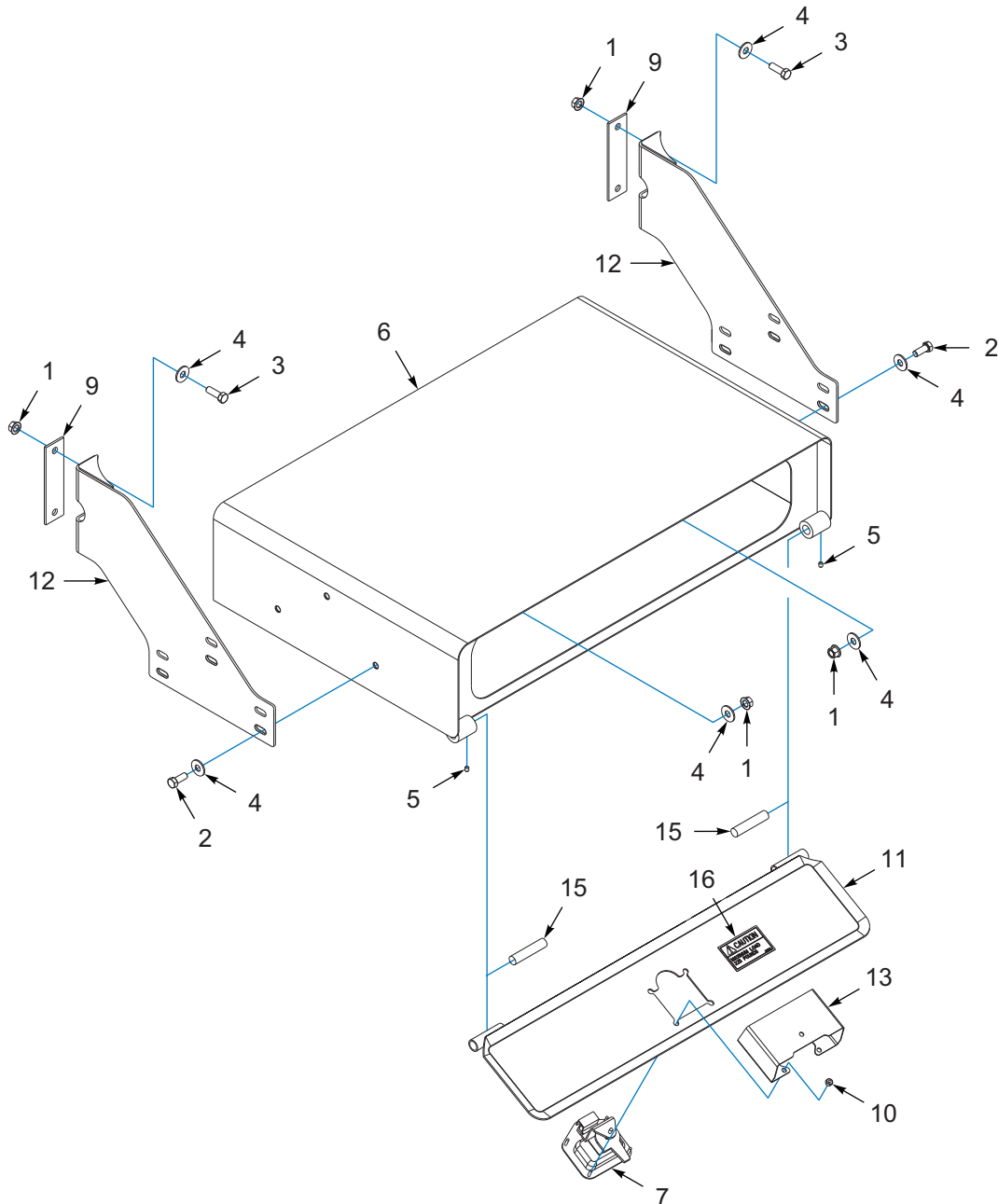
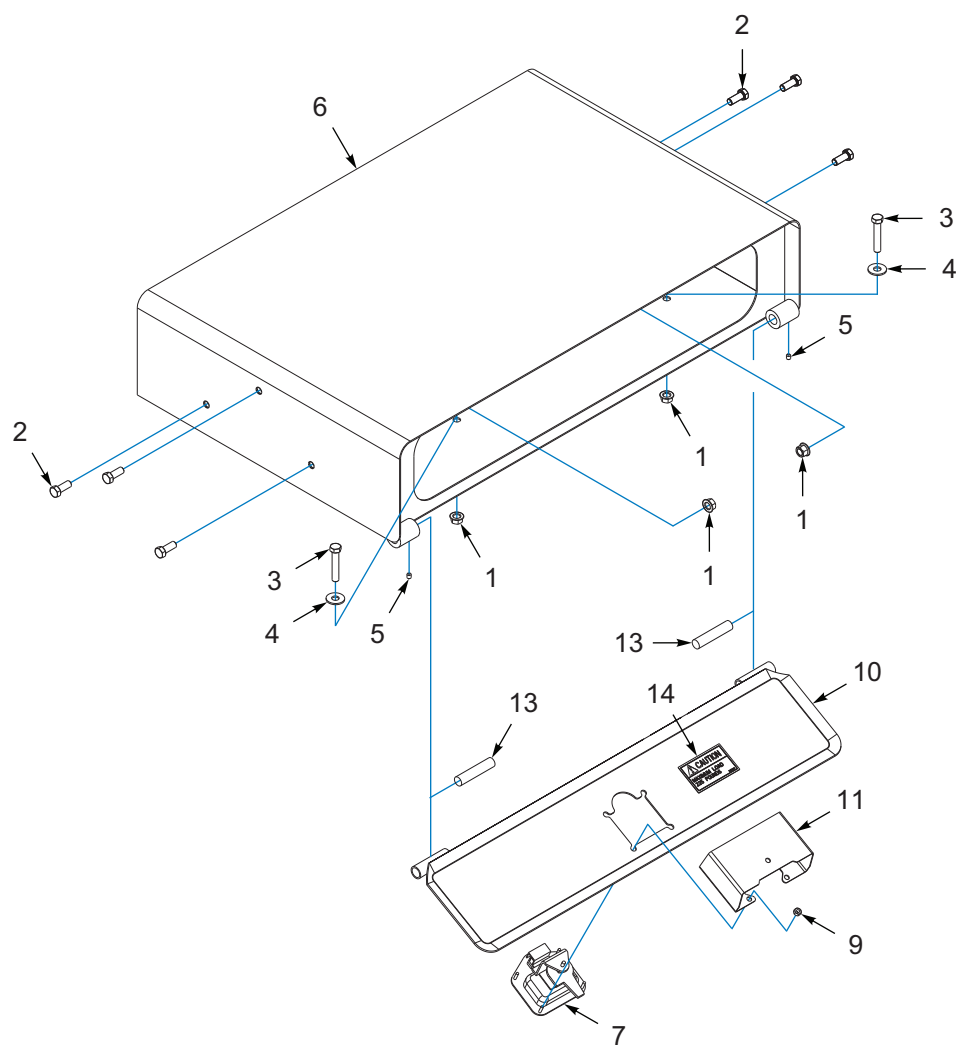
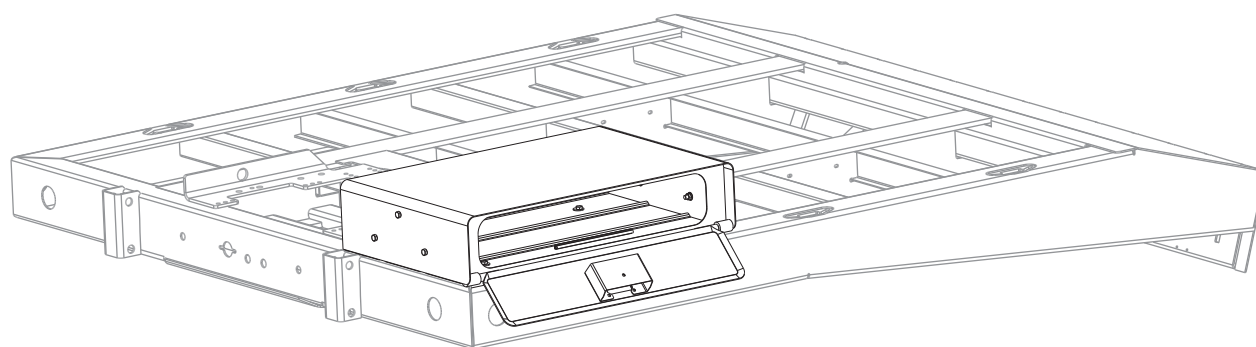


Figure 5-10: Toolbox, Bolt-On, 42"W X 28"D X 9"H (OPTIONS)

Toolbox, Bolt-On, 42"W X 28"D X 9"H (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	114807	TOOLBOX INSTL 930 STL DOOR (BOX 1 - STEEL DOOR, ITEMS 1-16)	--
	116628	TOOLBOX INSTL 930 ALUM DOOR (BOX 2 - ALUM. DOOR, ITEMS 1-16)	--
1	1-510-010003-09	NUT, 1/2-13 FLANGE HD, SERRATED	10
2	1-654-010055-02	SCREW 1/2-13UNCX1-1/4 CP GR5	6
3	1-654-010055-03	SCREW, HEX CAP, 1/2-13UNCX1-1/2	4
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	16
5	107-0975	SCREW SET LOCK 5/16-18X3/8LG	2
6	114808	TOOLBOX WLDMT 930	1
7	114814	LATCH FOLDING T LOCKABLE (INCLUDES KEY CH545)	1
8	114815	SEAL, SPONGE RUBBER TRIM (BY THE FOOT)	7
9	115843	BAR BACKUP TOOLBOX MTG	2
10	115877	NUT HVY HEX 1/4-20 GR5	4
11	116623	DOOR WLDMT STL 930 TOOLBOX (BOX 1)	1
11	116624	DOOR WLDMT ALUM 930 TOOLBOX (BOX 2)	1
12	117860	BRACKET WLDMT TOOLBOX MTG	2
13	153420	TOOLBOX LATCH SHIELD	1
14	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE (BOTTLE)	0.01
15	RPRB59004X3H	BAR RD, 3/4DIA X 3-1/2 NY LTR	2
16	205912	DECAL MAX LOAD 225	1

Toolbox, Bolt-On, 42"W X 28"D X 9"H, Upper Deck (OPTIONS)



NOT SHOWN:
8 - SEAL, DOOR, RUBBER TRIM
12 - LOCKTITE (USED ON ITEM 9)

Figure 5-11: Toolbox, Bolt-On, 42"W X 28"D X 9"H, Upper Deck (OPTIONS)

Toolbox, Bolt-On, 42"W X 28"D X 9"H, Upper Deck (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	125399	TOOLBOX INSTL UPR DK 930	- -
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	10
2	1-654-010055-01	SCR,HX CP 1/2-13UNCX1 GR5	6
3	1-654-010055-07	SCREW HX CP 1/2-13UNCX2-1/2	4
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
5	107-0975	SCREW SET LOCK 5/16-18X3/8LG	2
6	114808	TOOLBOX WLDMT 930	1
7	114814	LATCH FOLDING T LOCKABLE (INCLUDES KEY CH545)	1
8	114815	SEAL, SPONGE RUBBER TRIM (BY THE FOOT)	7
9	115877	NUT HVY HEX 1/4-20 GR5	4
10	116623	DOOR WLDMT STL 930 TOOLBOX (STEEL)	1
10	116624	DOOR WLDMT ALUM 930 TOOLBOX (ALUMINIUM)	1
11	153420	TOOLBOX LATCH SHIELD	1
12	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE (BOTTLE)	0.01
13	RPRB59004X3H	BAR RD, 3/4DIA X 3-1/2 NY LTR	2
14	205912	DECAL MAX LOAD 225	1

Toolbox, Upper Deck (OPTIONS) (SEE FRAME COMPONENTS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240517	GALV OF 136352 (DOOR) (SIDE TOOLBOX) (FRAME COMPONENTS - SEE PAGE 2-1)	--
	213987	TOP LID INSTL NON WT BRG (TOP TOOLBOX, NON-WEIGHT BEARING) (FRAME COMPONENTS - SEE PAGE 2-1)	--
	213988	TOP LID INSTL EURO WT BRG (TOP TOOLBOX, WEIGHT BEARING) (FRAME COMPONENTS - SEE PAGE 2-1)	--

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Air Systems

Frame, Service & Emergency

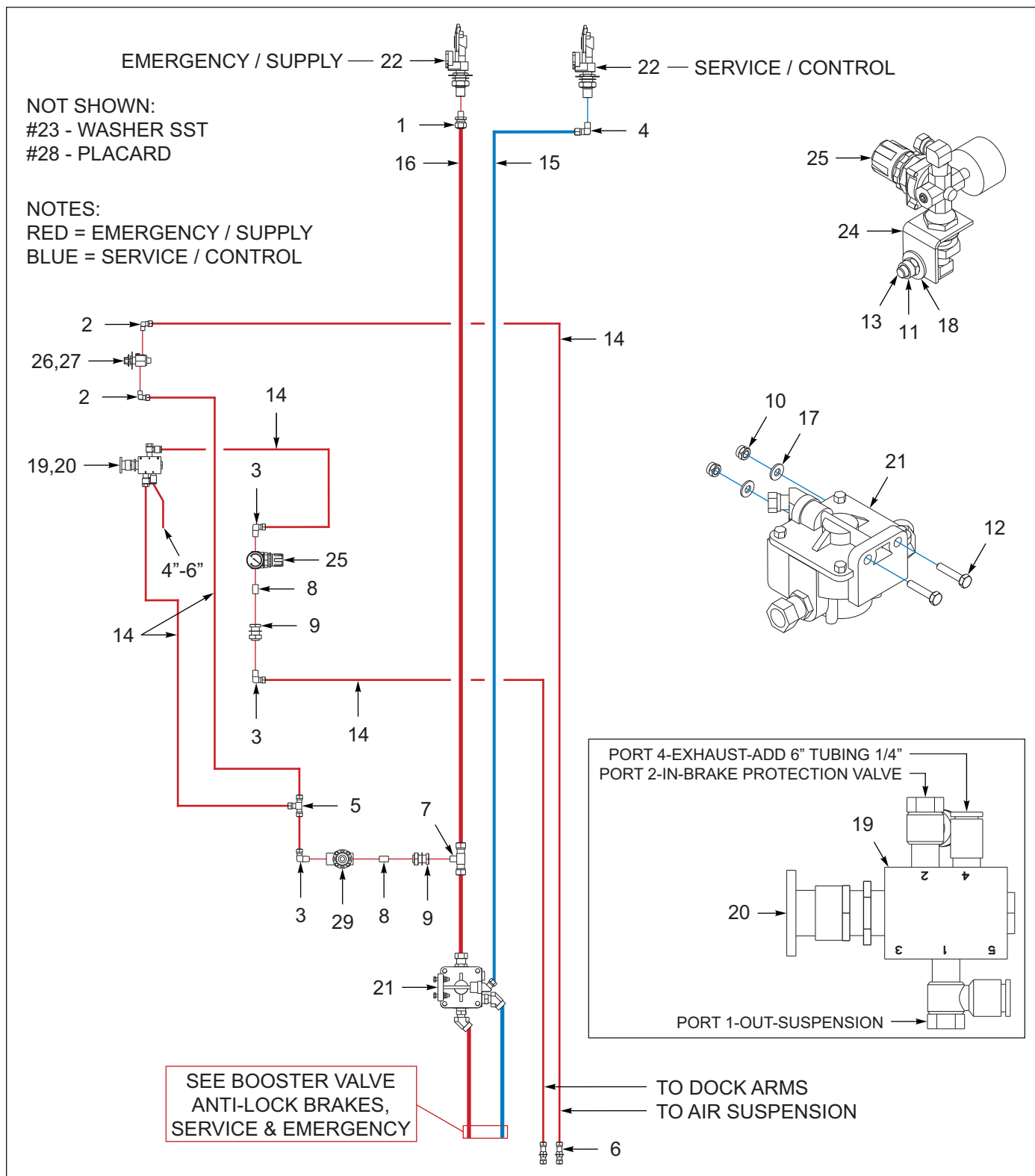


Figure 6-1: Frame, Service & Emergency

Frame, Service & Emergency

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215063	HYD ELEC AIR 900E-33 RMT#	--
1	1-297-010007-14	FITTING AIR 1/2TUBE X 1/4NPT	1
2	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	2
3	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	3
4	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
5	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
6	1-297-010014-02	FITTING,AIR,BLKHD UNION 1/4	2
7	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1
8	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	2
9	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	2
10	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
11	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	1
12	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	2
13	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	1
14	1-833-010001	TUBING NYLON 1/4 OD (BLACK, BY THE FOOT)	35
15	1-833-010002	TUBING NYLON 3/8 OD (BLACK, BY THE FOOT)	33
16	1-833-010003	TUBING NYLON 1/2 OD (BLACK, BY THE FOOT)	31
17	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2
18	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	1
19	107887	VALVE AIR PUSH BUTTON (INCLUDES ITEM 20)	1
20	213332	REPLACEMENT PUSH BUTTON FOR VALVE (INCLUDED WITH ITEM 19)	1
21	141607	VALVE ASSY AIR BOOSTER (SEE PAGE 6-31)	1
22	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
22	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1
23	213400	WASHER SST 1-1/4 OD X 21/32 ID (NOT SHOWN)	1
24	3-120-010445	BRACKET,PRESSURE REGULATOR660	1
25	3-626-010004	REGULATOR, AIR PRESSURE	1
26	900-54-088	VALVE, MANUAL OPERATED (INCLUDES ITEMS 27-28)	1
27	900 54 211	KNOB FOR 900-54-082 VALVE (900-54-211) (INCLUDED WITH ITEM 26)	1
28	900 54 486	PLACARD, DN/UP MANUAL VALVE (INCLUDED WITH ITEM 26) (NOT SHOWN)	1
29	905-54-107	BRAKE PROTECTION VALVE (INCLUDES FILTER 167692)	1

Anti-Lock Brakes, Service & Emergency, 2 Axle, Wabco

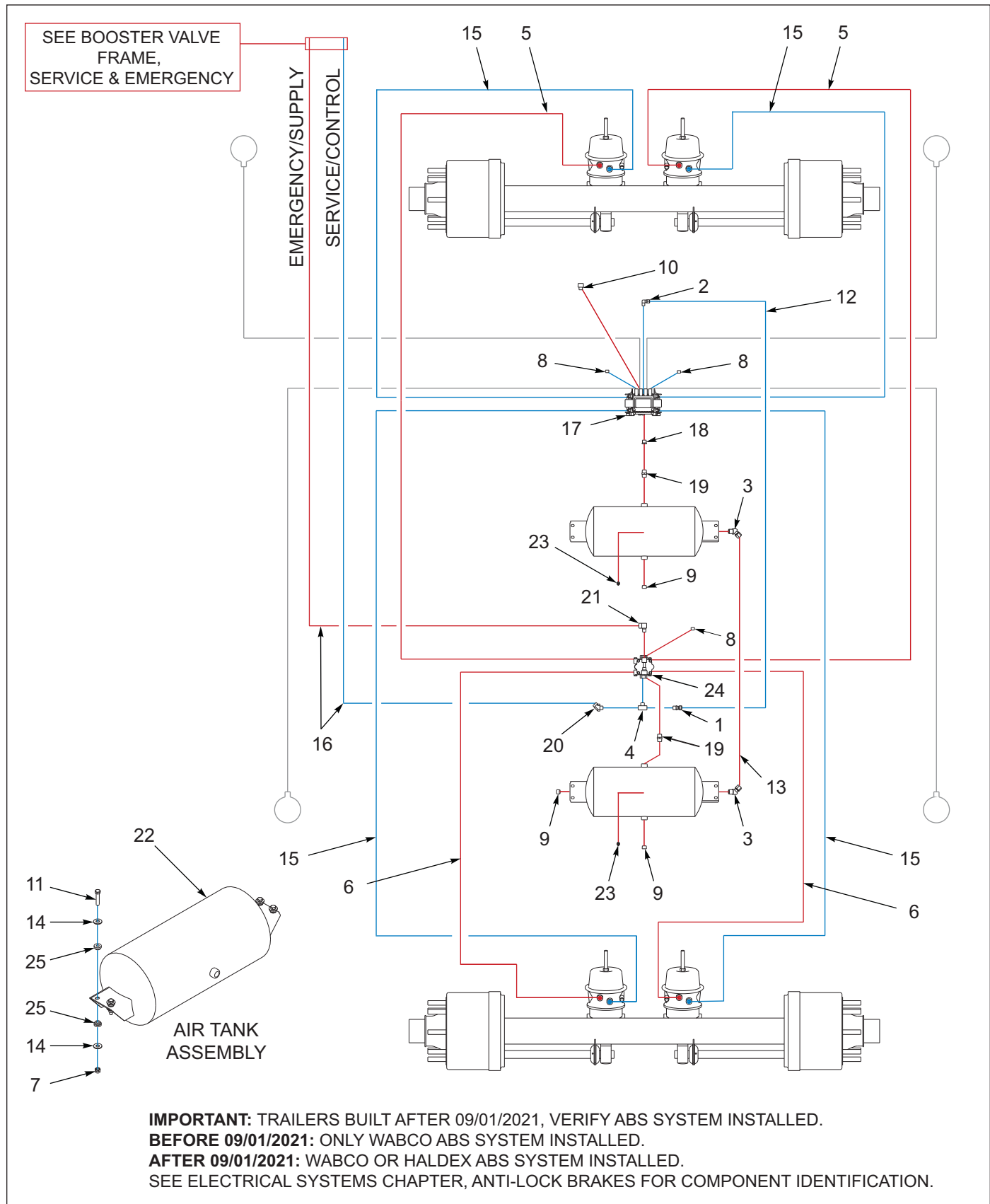


Figure 6-2: Anti-Lock Brakes, Service & Emergency, 2 Axle, Wabco

Anti-Lock Brakes, Service & Emergency, 2 Axle, Wabco

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP 930E-12, 2512-77	--
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 (BLACK, BY THE FOOT)	9
13	1-833-010003	TUBING NYLON 1/2 OD (BLACK, BY THE FOOT)	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 (ELECTRICAL - SEE PAGE 7-13) (BEFORE 12/08/2021 - AFTER OBSOLETE USE 114586)	1
18	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
19	2083-8-8S	NIPPLE 1/2NPTX1/2NPT	2
20	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	1
21	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1
22	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
23	56D4	COCK,DRAIN AIR TANK VEL, 036019	2
24	758-181	VALVE TASK 4 PORT	1
25	805-2	BUSHINGS, STEP	16

Anti-Lock Brakes, Service & Emergency, 2 Axle, Haldex

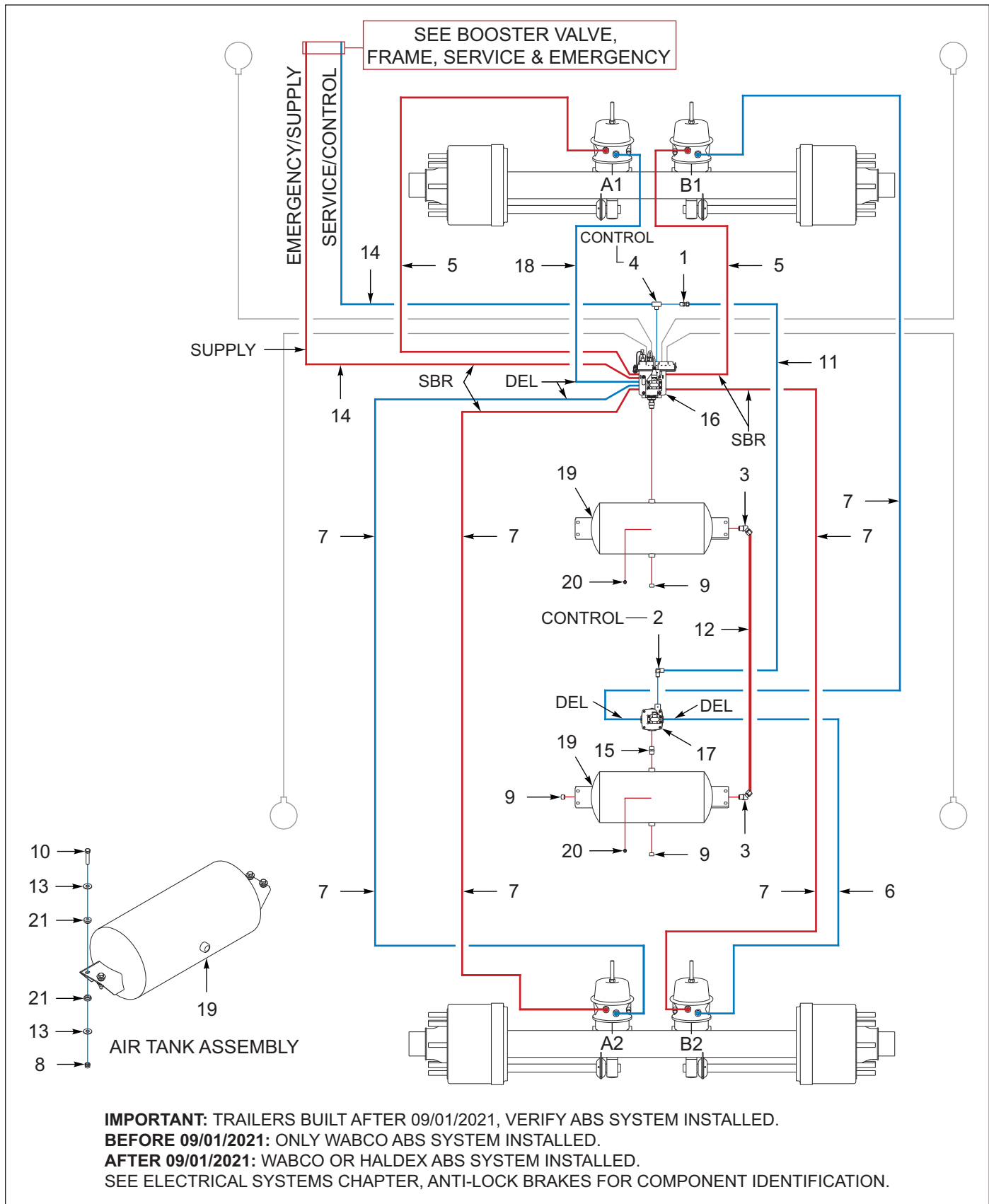


Figure 6-3: Anti-Lock Brakes, Service & Emergency, 2 Axle, Haldex

Anti-Lock Brakes, Service & Emergency, 2 Axle, Haldex

ITEM	PART NUMBER	DESCRIPTION	QTY.
	235237	SUSP 930E-12 SB DXT DRM HALD	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	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 ASM AIR 3/8X24,W/3/8 END	2
6	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	1
7	1-384-010038056	HOSE ASM AIR 3/8X56,W/3/8 END	4
8	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	8
9	1-560-010002-04	PLUG, PIPE, 1/2NPT	3
10	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	8
11	1-833-010002	TUBING NYLON 3/8 OD (BLACK, BY THE FOOT)	9
12	1-833-010003	TUBING NYLON 1/2 OD (BLACK, BY THE FOOT)	10
13	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	16
14	100949	HOSE ASM AIR 3/8X222 W/3/8 END	2
15	2083-8-8S	NIPPLE 1/2NPTX1/2NPT	1
16	232777	ABS KIT HALDEX 4S/2M TAN (INCLUDES ITEM 17) (ELECTRICAL - SEE PAGE 7-15)	1
17	232779	RELAY VALVE ABS 12V HALDEX (INCLUDED WITH ITEM 16)	1
18	3-384-010020	HOSE AIR 3/8X32 .38NPT ENDS	1
19	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
20	56D4	COCK,DRAIN AIR TANK VEL036019	2
21	805-2	BUSHINGS, STEP	16

Anti-Lock Brakes, Service & Emergency, 3 Axle, Wabco

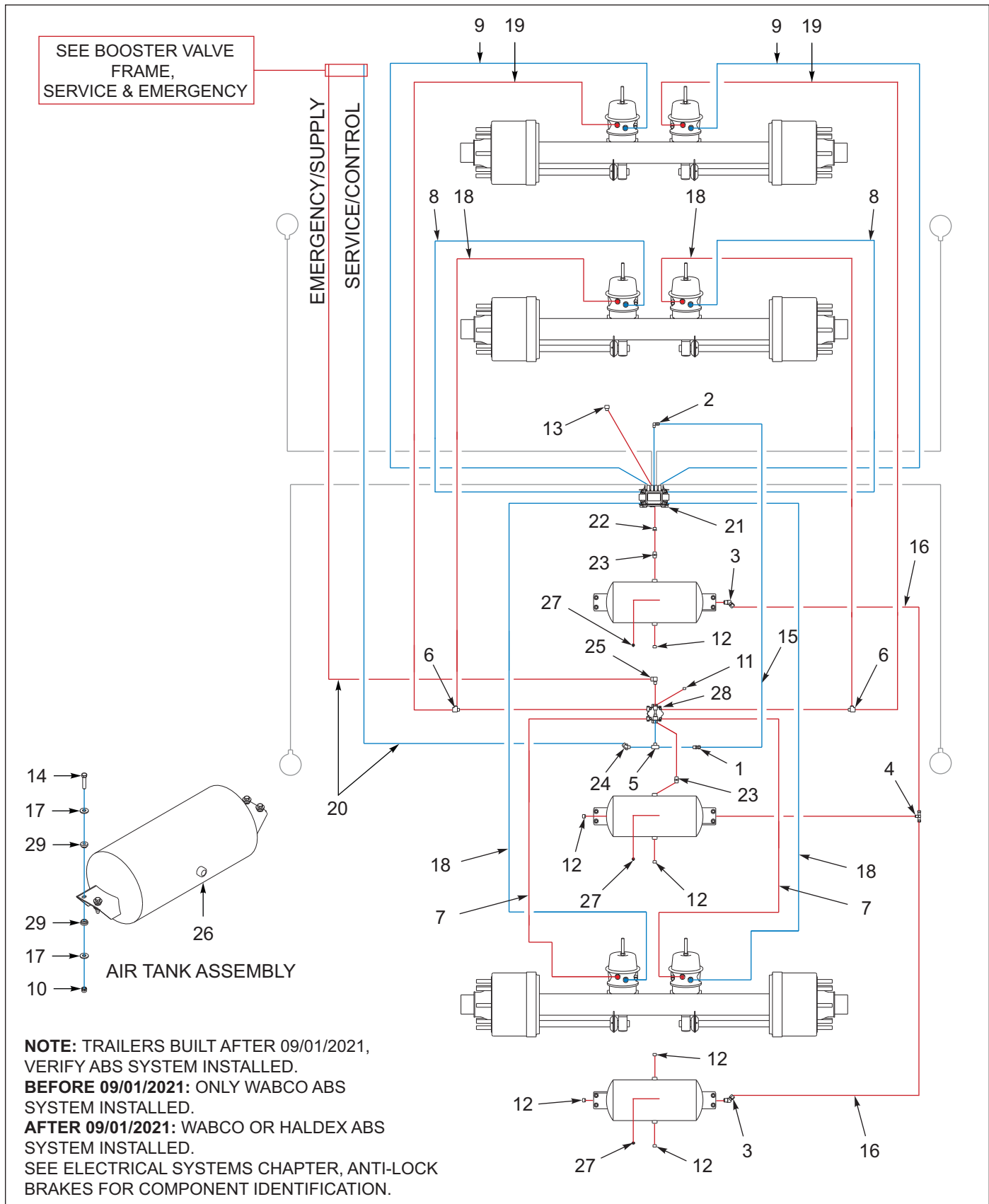


Figure 6-4: Anti-Lock Brakes, Service & Emergency, 3 Axle, Wabco

Anti-Lock Brakes, Service & Emergency, 3 Axle, Wabco

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215086	SUSP ASSY 950E-12 2512-77	--
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 G5	12
15	1-833-010002	TUBING NYLON 3/8 OD (BLACK, BY THE FOOT)	10
16	1-833-010003	TUBING NYLON 1/2 OD (BLACK, BY THE FOOT)	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 (ELECTRICAL - SEE PAGE 7-13)	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 VEL036019	3
28	758-181	VALVE TASK 4 PORT	1
29	805-2	BUSHINGS, STEP	24

Anti-Lock Brakes, Service & Emergency, 3 Axle, Haldex

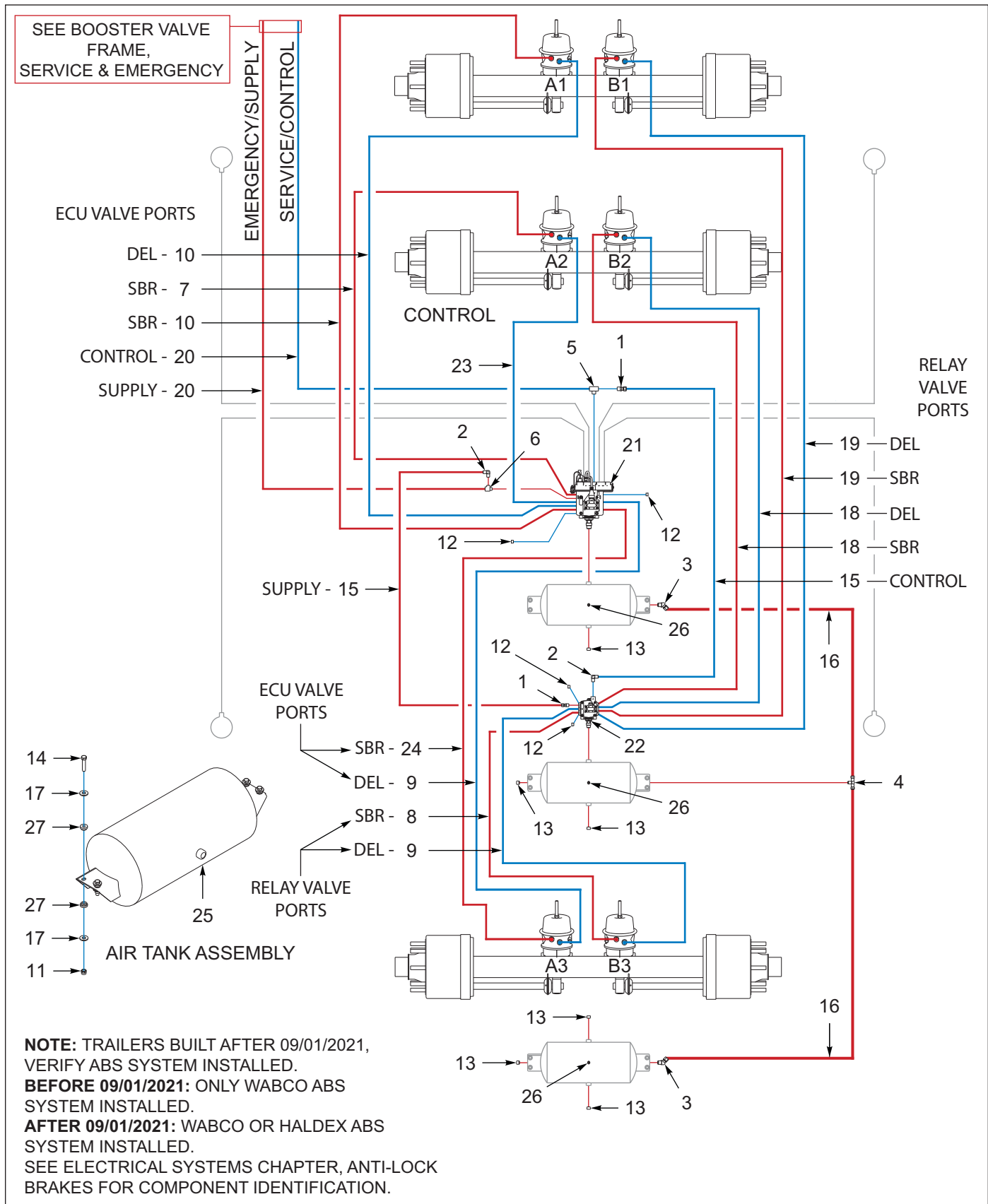


Figure 6-5: Anti-Lock Brakes, Service & Emergency, 3 Axle, Haldex

Anti-Lock Brakes, Service & Emergency, 3 Axle, Haldex

ITEM	PART NUMBER	DESCRIPTION	QTY.
	235256	SUSP950E-12 2512-77DXTHALDDRM	--
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	2
2	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	2
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	1
7	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	1
8	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	1
9	1-384-010038056	HOSE ASM AIR 3/8X56,W/3/8 END	2
10	1-384-010038076	HOSE ASM AIR 3/8X76,W/3/8 END	2
11	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	12
12	1-560-010002-03	PLUG, PIPE, 3/8NPTF	4
13	1-560-010002-04	PLUG, PIPE, 1/2NPT	6
14	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	12
15	1-833-010002	TUBING NYLON 3/8 OD (BLACK, BY THE FOOT)	10
16	1-833-010003	TUBING NYLON 1/2 OD (BLACK, BY THE FOOT)	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	2
19	103738	HOSE ASM AIR 3/8X100,W/3/8 END	2
20	109209	HOSE ASM AIR 3/8X244,W/3/8 END	2
21	232784	ABS KIT HALDEX 4S/2M TRI/SPRD (INCLUDES ITEM 22) (ELECTRICAL - SEE PAGE 7-15)	1
22	232850	ABS VALVE FFABS NO ECU (RELAY VALVE, INCLUDED WITH ITEM 21)	1
23	3-384-010020	HOSE AIR 3/8X32 .38NPT ENDS	1
24	3-384-010031	HOSE, AIR 3/8X42, .38 NPT END	1
25	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
26	56D4	COCK,DRAIN AIR TANK VEL036019	3
27	805-2	BUSHINGS, STEP	24

Ramp, Front Slope, WO/ Remote (OPTION)

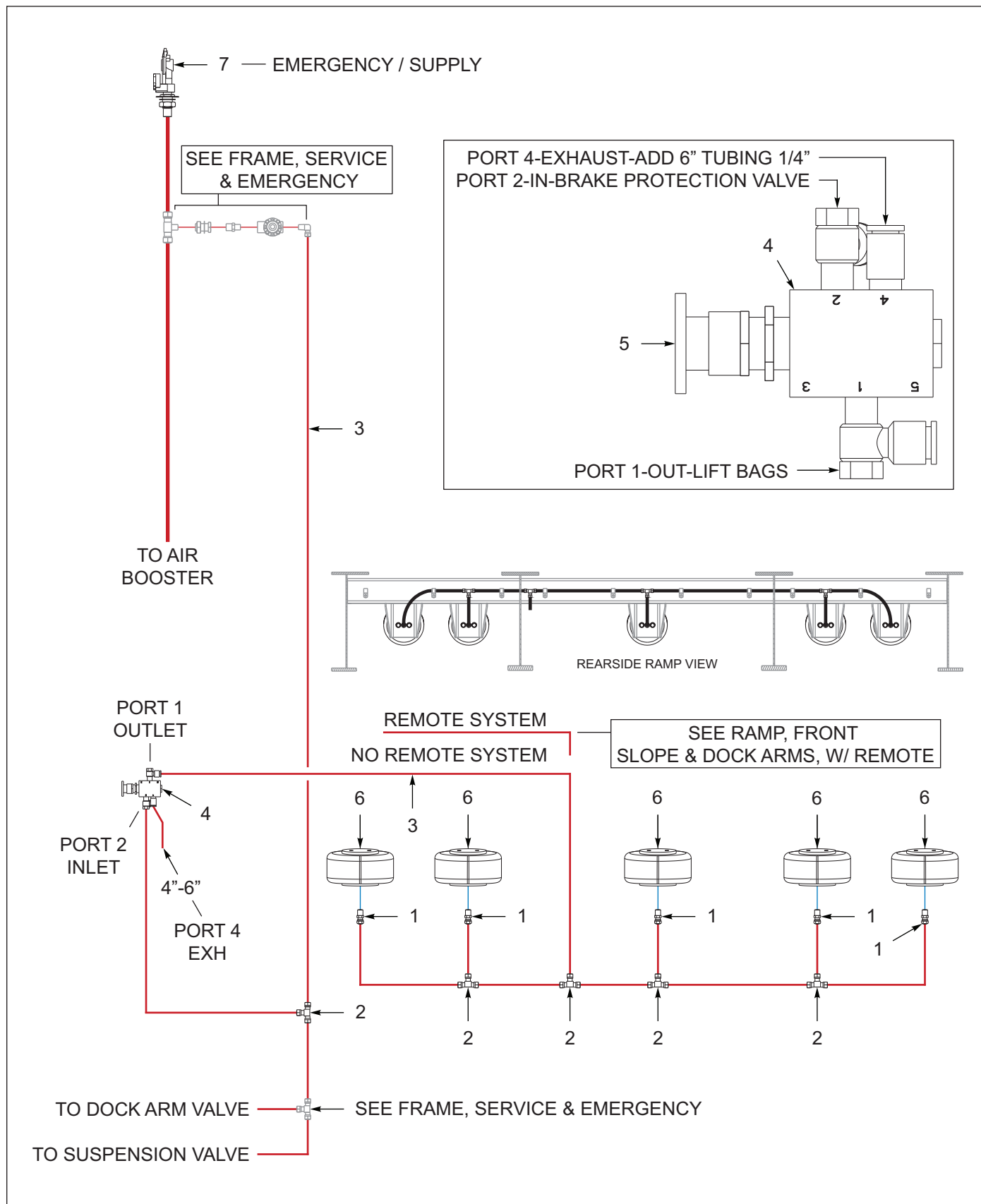


Figure 6-6: Ramp, Front Slope, WO/ Remote (OPTION)

Ramp, Front Slope, WO/ Remote (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	139465	RAMP ASSY 6FT 930B D/D (89" WIDE)	--
	230695	RAMP INSTL 900 6FT 102" TRLCLR (102" WIDE)	--
	230696	RAMP INSTL 900 6FT 102" GALV (102" WIDE)	--
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 (BLACK) (BY THE FOOT)	23
4	107887	VALVE AIR PUSH BUTTON (INCLUDES ITEM 5)	1
5	213332	PUSH BUTTON PNEUMATIC VALVE (INCLUDED WITH ITEM 4)	1
6	3-720-010042	SPRING AIR 6-1/2 (MOUNTING - SEE PAGE 4-3)	5

Ramp, Front Slope & Dock Arms, W/ Remote (OPTION)

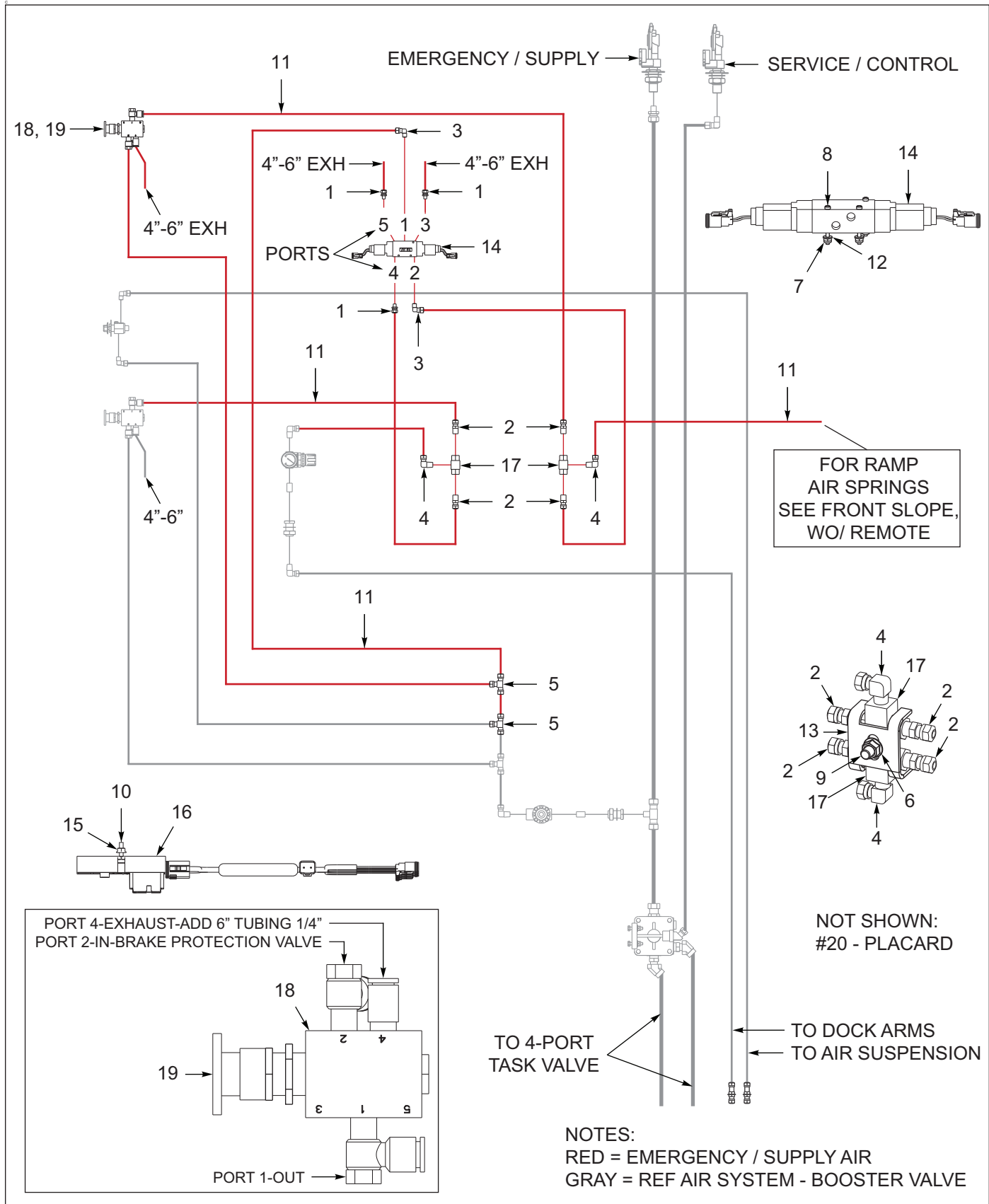


Figure 6-7: Ramp, Front Slope & Dock Arms, W/ Remote (OPTION)

Ramp, Front Slope & Dock Arms, W/ Remote (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215063	HYD ELEC AIR 900E-33 RMT	--
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	2
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	1-654-010024014	SCREW,MACH,SLTD FILH,#6-32UNCX1-1/2	3
9	1-654-010051-09	SCREW, HEX, 3/8-16UNCX2 GR5	1
10	1-656-010003051	SCREW,RD HD MACH #10-24X3/4	2
11	1-833-010001	TUBING NYLON 1/4 OD (BLACK, BY THE FOOT)	9
12	1-861-010032-01	WASHER, FLAT, ZP/CD, #6	3
13	138814	HOSE CLAMP NOTCHED	1
14	194406	VALVE PNEUMATIC ASSY 4-WAY 3-POS	1
15	212074	NUT, FLG HD, SERR 10-24 UNC	2
16	213497	REMOTE BRAND 6 FUNC 900 (SEE PAGE 7-21)	1
17	3-843-010039-02	VALVE AIR SHUTTLE 1/4NPT	2
18	107887	VALVE AIR PUSH BUTTON (INCLUDES ITEM 19)	1
19	213332	PUSH BUTTON PNEUMATIC VALVE (INCLUDED WITH ITEM 4)	1

Scale, Air Pressure Gauge Assembly (OPTION)

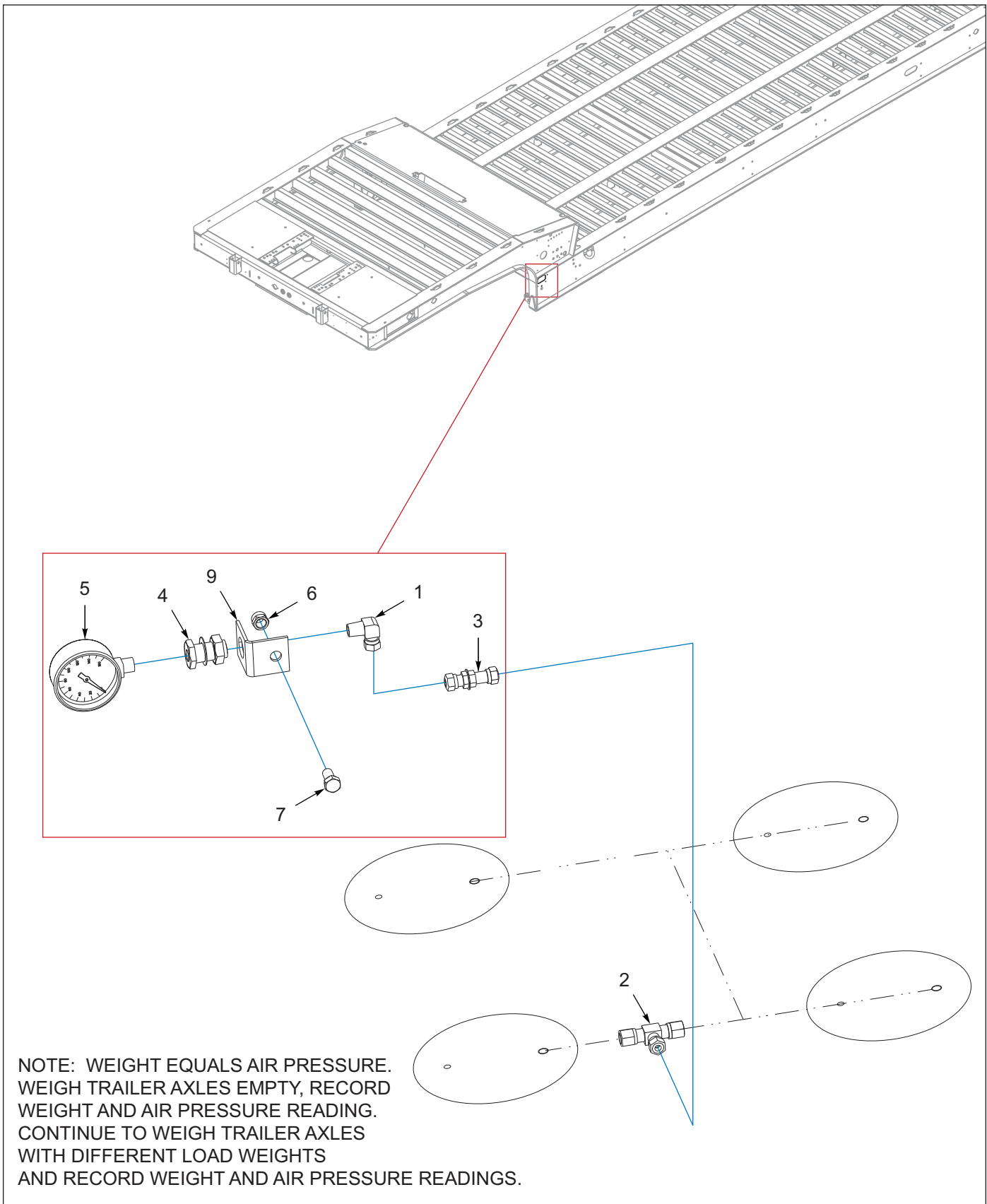


Figure 6-8: Scale, Air Pressure Gauge Assembly (OPTION)

Scale, Air Pressure Gauge Assembly (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128601	PRESSURE GAUGE INSTL 410SUSP (INCLUDES ITEMS 1-9)	- -
1	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	1
2	1-297-010010-04	FITTING,AIR,UN/TEE3/8X3/8X1/4	1
3	1-297-010014-02	FITTING,AIR,BLKHD UNION 1/4	1
4	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
5	1-323-010008	GAUGE, PRESSURE, 0-160 PSI	1
6	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	1
7	1-654-010051-03	SCREW,HEX CAP,3/8-16UNCX3/4G5	1
8	1-833-010001	TUBING NYLON 1/4 OD (BY THE FOOT)	50
9	3-120-010445	BRACKET,PRESSURE REGULATOR660	1

Scale, Quickload (BEFORE 03/31/2020) (OPTION)

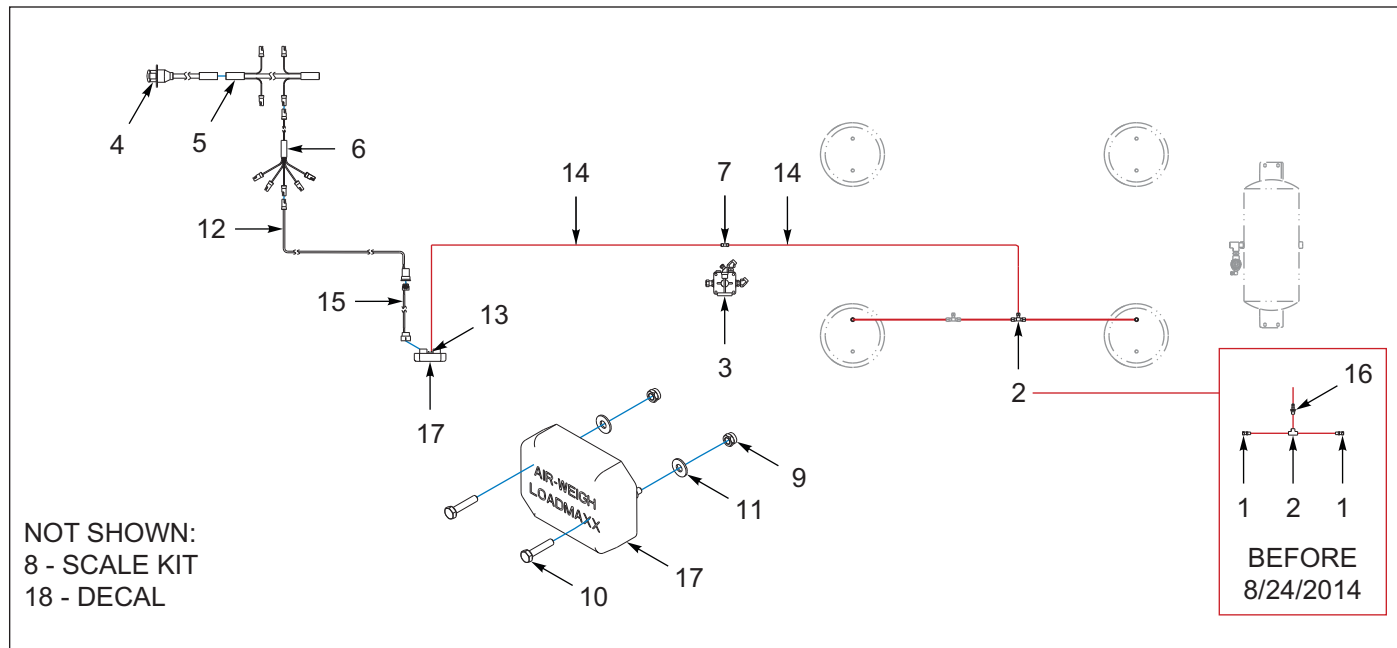


Figure 6-9: Scale, Quickload (BEFORE 03/31/2020) (OPTION)

Scale, Quickload (BEFORE 03/31/2020) (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	175358	SCALE INSTL QUICKLOAD(TRAVEL) (BEFORE 03/31/2020 - REPLACED BY 226557, 226661)	--
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT (BEFORE 8/28/2014)	2
2	1-297-010009-02	FITTING,AIR,PIPE TEE 1/4 (BEFORE 8/28/2014)	1
2	1-297-010010-04	FITTING,AIR,UN/TEE3/8X3/8X1/4 (AFTER 8/28/2014)	1
3	141607	VALVE ASSY AIR BOOSTER (SEE PAGE 6-1)	1
4	143100	HARNESS 7WAY RECP GROTE	1
5	143101	HARNESS FRONT MAIN GROTE	1
6	150093	HARNESS 5 AUX BRANCHES GROTE	1
7	175359	UNION AIR HOSE 1/4 O.D. POLY	1
8	175356	SCALE AIR LOADMAXX OBSOLETE (BEFORE 02/26/2018)	1
8	175360	SCALE AIR LOADMAXX (TRAV AXLE) (AFTER 02/26/2018) (KIT INCLUDES ITEMS 9-18)	1
9	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
10	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	2
11	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
12	175364	CABLE, POWER, GROTE CONN, LM	1
13	175363	SPRING HOSE CLAMP 1/4 OD	1
14	175365	AIR LINE 1/4 OD X 50' AIR-WGH	1
15	184392	HARNESS MOD 175364 ASSY (BEFORE 01/08/2019)	1
15	218059	CABLE INTERFACE 18" POWER (AFTER 01/08/2019)	1
16	180221	HOSE BARB FITTING (BEFORE 01/08/2019)	1
16	212216	BRASS FITTING 1/4 NPT 1/4 BARB (AFTER 01/08/2019)	1
17	175362	TRAILER SCALE QUICKLOAD (BEFORE 01/01/2017)	1
17	212215	TRAILER SCALE LOADMAXX (AFTER 01/01/2017)	1
18	166924	DECAL AIR-WEIGH TRAILER SCALE (NOT SHOWN)	1

Scale, Quickload & Loadmaxx (AFTER 03/31/2020) (OPTIONS)

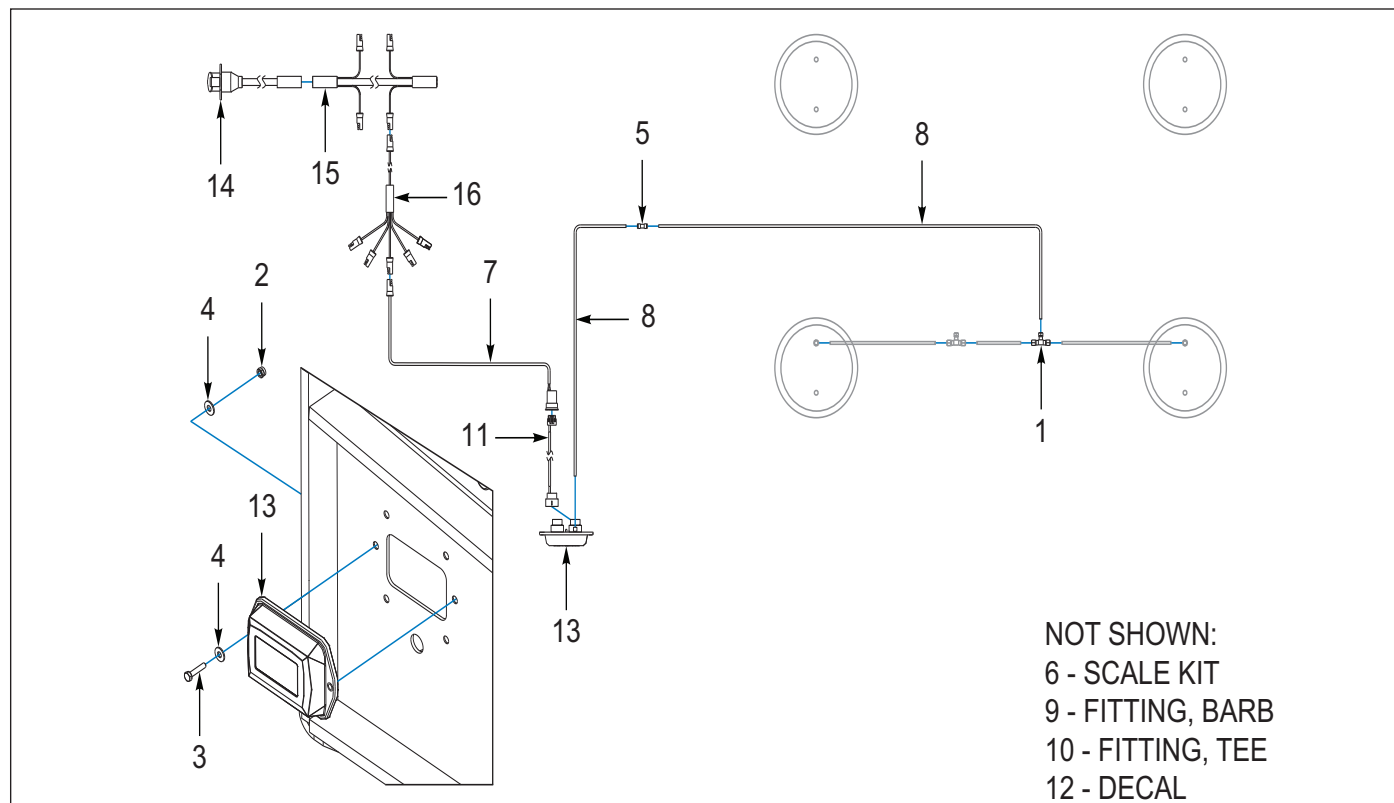


Figure 6-10: Scale, Quickload & Loadmaxx (AFTER 03/31/2020) (OPTIONS)

Scale, Quickload & Loadmaxx (AFTER 03/31/2020) (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	226657	QUICKLOAD PLUS TRAV AX INSTL (REQUIRES ITEMS 1-6A)	--
	226661	LOADMAXX PLUS TRAV AX INSTL (REQUIRES ITEMS 1-6B)	--
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	175359	UNION AIR HOSE 1/4 O.D. POLY	1
6	226656	QUICKLOAD PLUS TRAV AXLE KIT (6A INCLUDES ITEMS 8-13A)	1
6	226660	LOADMAXX PLUS TRAV AXLE KIT (6B INCLUDES ITEMS 8-13B)	1
7	175364	CABLE, POWER, GROTE CONN, LM	1
8	175365	AIR LINE 1/4 OD POLY (BY THE FOOT)	50
9	212216	BRASS FITTING 1/4 NPT 1/4 BARB (NOT SHOWN)	1
10	226650	BRASS T 1/4NPT AIR WEIGH (NOT SHOWN)	1
11	226651	POWER CABLE 3.5FT AIR WEIGH	1
12	226653	DECAL AIR WEIGH SCALE (NOT SHOWN)	1
13	226652	QUICKLOAD PLUS SCALE MODULE (13A INCLUDED WITH ITEM 6A)	1
13	226655	LOADMAXX PLUS SCALE MODULE (13B INCLUDED WITH ITEM 6B)	1
14	143100	HARNESS 7WAY RECP GROTE	1
15	143101	HARNESS FRONT MAIN GROTE	1
16	150093	HARNESS 5 AUX BRANCHES GROTE	1

Scale, Right Weigh

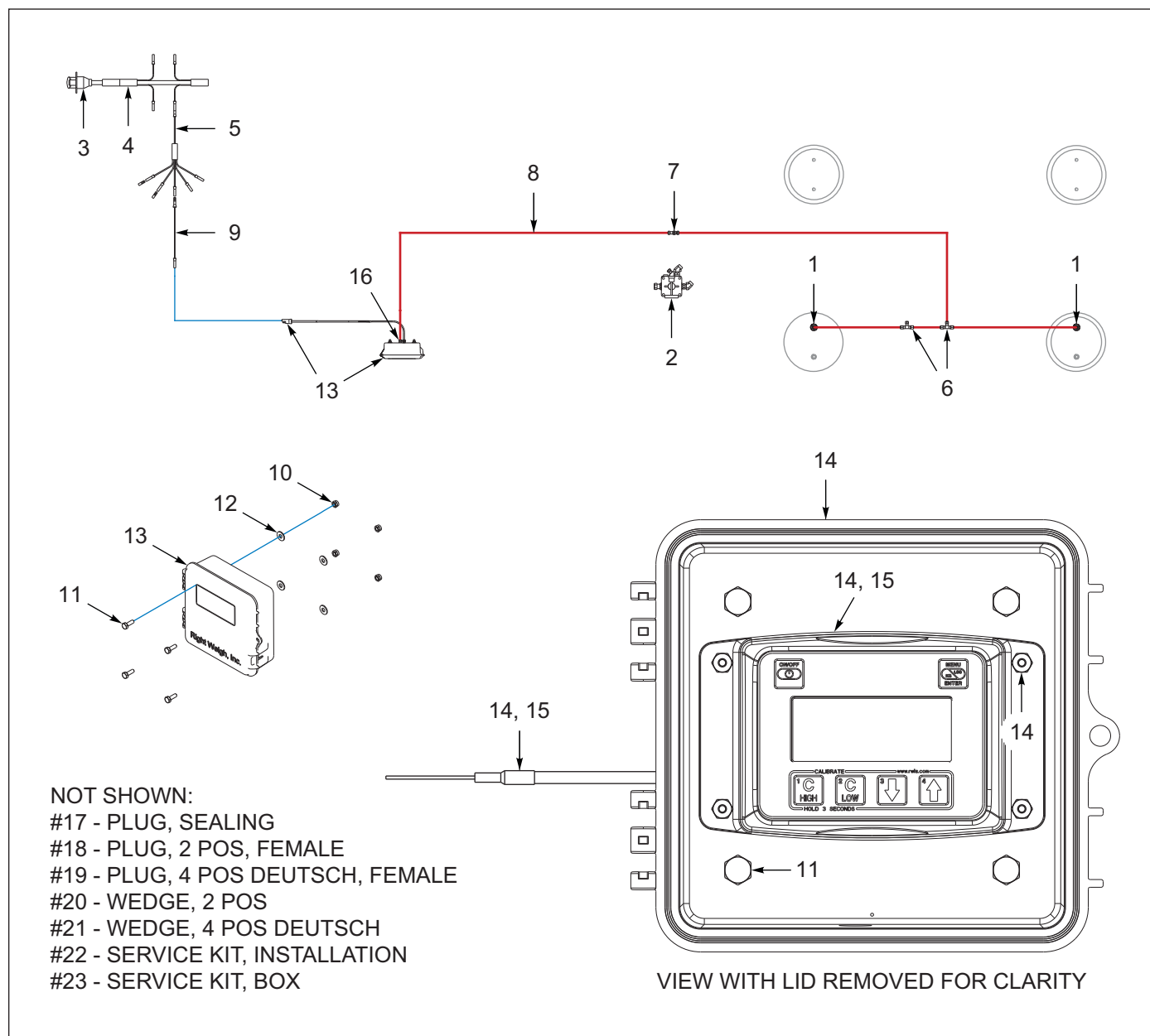


Figure 6-11: Scale, Right Weigh

Scale, Right Weigh

ITEM	PART NUMBER	DESCRIPTION	QTY.
	170470	SCALE INSTALLATION, RIGHT WEIGH SYSTEM (NON-BLUETOOTH) (INCLUDES ITEMS 6-16)	--
	205742	SCALE INSTALLATION, RIGHT WEIGH SYSTEM W/ BLUETOOTH (BLUETOOTH) (INCLUDES ITEMS 6-21)	--
1	1-297-010007-11	FITTING AIR	2
2	141607	AIR BOOSTER VALVE ASSEMBLY (SEE PAGE 6-1)	1
3	143100	HARNESS, 7 WAY RECEPTACLE	1
4	143101	HARNESS, FRONT MAIN	1
5	150093	HARNESS, 5 AUXILIARY BRANCHES	1
6	1-297-010010-04	FITTING AIR UNION TEE	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
7	1-297-010014-02	FITTING, AIR	1
8	1-833-010001	TUBING NYLON 1/4 OD (BY THE FOOT)	45
9	3-368-010252	HARNESS ASSEMBLY, BULKHEAD LIGHT EXT	1
10	1-512-010005-01	NUT HEX LOCK 1/4-20 GRB	4
11	1-654-010047-04	SCREW, HEX HEAD CAP 1/4-20 X 3/4 GR5	4
12	1-861-010032-07	WASHER, FLAT 1/4	4
13	170471	HARNESS ASSEMBLY, RIGHT WEIGH (13A NON-BLUETOOTH) (INCLUDES HARNESS CONNECTOR AND ITEMS 14-16)	1
13	205744	HARNESS ASSEMBLY, RIGHT WEIGH (13B BLUETOOTH) (INCLUDES HARNESS CONNECTOR AND ITEMS 14-21)	1
14	169935	RIGHT WEIGH DIGITAL SCALE (NON-BLUETOOTH) (INCLUDES BOX, SCALE, GASKET AND 4 NUTS / BOLTS, WO / HARNESS CONNECTOR)	1
14	205745	E-Z WEIGH DIGITAL BT SCALE (BLUETOOTH) (INCLUDES BOX, SCALE, GASKET AND 4 NUTS / BOLTS, WO / HARNESS CONNECTOR)	1
15	171159	DIGITAL SCALE (NON-BLUETOOTH) (WO / HARNESS CONNECTOR)	1
15	205747	DIGITAL SCALE W/ BLUETOOTH (BLUETOOTH) (WO / HARNESS CONNECTOR)	1
16	218069	FITTING PUSH CON 201-EDG-01	1
17	622-2962-009	PLUG, SEALING (NOT SHOWN, INCLUDED WITH ITEM 13B)	8
18	622-2967-002	PLUG 2 POS. (FEMALE) (NOT SHOWN, INCLUDED WITH ITEM 13B)	2
19	622-2967-006	DEUTSCH PLUG 4 POS FEMALE (NOT SHOWN, INCLUDED WITH ITEM 13B)	1
20	622-2967-018	WEDGE, 2 POS PLUG (NOT SHOWN, INCLUDED WITH ITEM 13B)	2
21	622-2967-022	DEUTSCH WEDGE, 4 POS PLUG (NOT SHOWN, INCLUDED WITH ITEM 13B)	1
22	171160	DIGITAL INSTALLATION KIT (NOT SHOWN, KIT INCLUDES)	1
	-----	1/4" NPT STREET TEE FITTING	1
	-----	3/8" NPT STREET TEE FITTING	1
	-----	3/8" NPT TO 1/4" NPT REDUCER FITTING	1
	-----	1/4" NPT MALE TO 1/4" TUBE STRAIGHT FITTING	1
	-----	BUTT CONNECTORS	4
	-----	1/2" X 6" HEAT SHRINK TUBING	2
	-----	1/4" AIR LINE (BY THE FOOT)	30
	-----	WEATHER RESISTANT POWER CABLE (BY THE FOOT)	25
	-----	PLASTIC TIES	30
23	171161	RIGHT WEIGH MOUNT BOX SERVICE (NOT SHOWN, KIT INCLUDES)	1
	-----	BOX, POLYCARBONATE (W/LID GASKET)	1
	-----	GASKET, SCALE TO BOX	1
	-----	BRACKET, MOUNTING	1
	-----	MOUNTING HARDWARE, SCALE TO BOX (STAINLESS NUTS AND BOLTS)	4
	-----	MOUNTING HARDWARE, BOX TO BRACKET (STAINLESS NUTS, BOLTS AND WASHERS)	4
	-----	MOUNTING HARDWARE, BRACKET TO TRAILER (STAINLESS NUTS, BOLTS AND WASHERS)	2

Suspension, Ride Height, 2 Axle

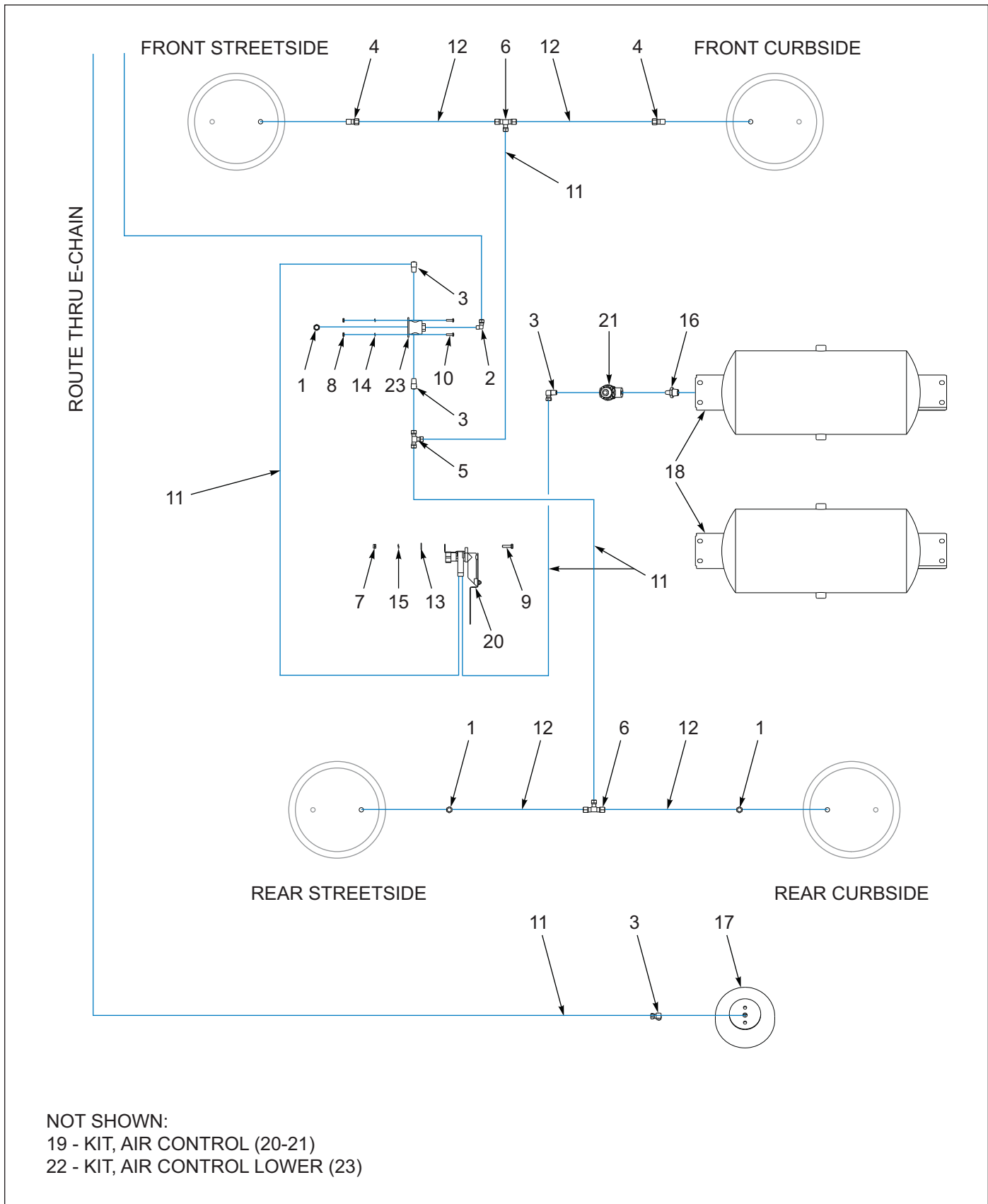


Figure 6-12: Suspension, Ride Height, 2 Axle

Suspension, Ride Height, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP ASSY 930E-12 2512-77	--
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 GR2 ZP	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 (BY THE FOOT)	65
12	1-833-010002	TUBING NYLON 3/8 OD (BLACK, BY THE FOOT)	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	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
17	3-720-010042	SPRING AIR 6-1/2	1
18	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
19	102732	AIR CONTROL KIT (INCLUDES ITEMS 20-21) (KIT BREAKDOWN - SEE PAGE 6-25) (NOT SHOWN)	1
20	900 54 007	HEIGHT CONTROL VALVE N (INCLUDED WITH ITEM 19)	1
21	905-54-107	BRAKE PROTECTION VALVE (INCLUDES FILTER 167692) (INCLUDED WITH ITEM 19)	1
22	109177	CONTROL KIT AIR SUSP LOWER (INCLUDES ITEM 23) (KIT BREAKDOWN - SEE PAGE 6-26) (NOT SHOWN)	1
23	900-54-079	PILOT VALVE (INCLUDED WITH ITEM 22)	1

Suspension, Ride Height, 3 Axle

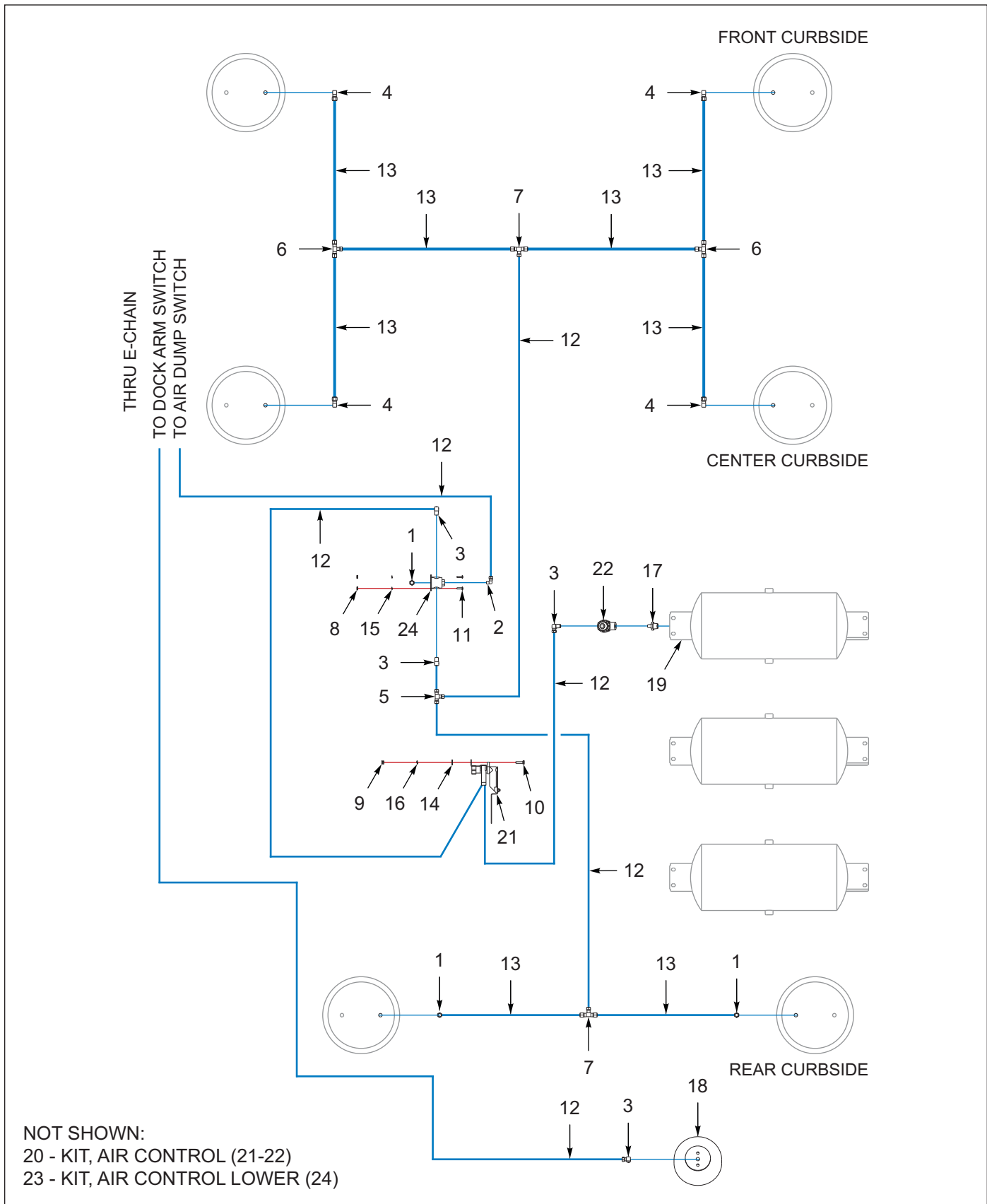


Figure 6-13: Suspension, Ride Height, 3 Axle

Suspension, Ride Height, 3 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215086	SUSP ASSY 950E-12 2512-77	--
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 GR2 ZP	4
9	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	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 (BLACK - BY THE FOOT)	65
13	1-833-010002	TUBING NYLON 3/8 OD (BLACK - BY THE FOOT)	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	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
18	3-720-010042	SPRING AIR 6-1/2	1
19	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
20	102732	AIR CONTROL KIT (INCLUDES ITEMS 21-22) (KIT BREAKDOWN - SEE PAGE 6-25) (NOT SHOWN)	1
21	900 54 007	HEIGHT CONTROL VALVE N (INCLUDED WITH ITEM 20)	1
22	905-54-107	BRAKE PROTECTION VALVE (INCLUDES FILTER 167692) (INCLUDED WITH ITEM 20)	1
23	109177	CONTROL KIT AIR SUSP LOWER (INCLUDES ITEM 24) (KIT BREAKDOWN - SEE PAGE 6-26) (NOT SHOWN)	1
24	900-54-079	PILOT VALVE (INCLUDED WITH ITEM 23)	1

Suspension Lowering Air Control, Kit

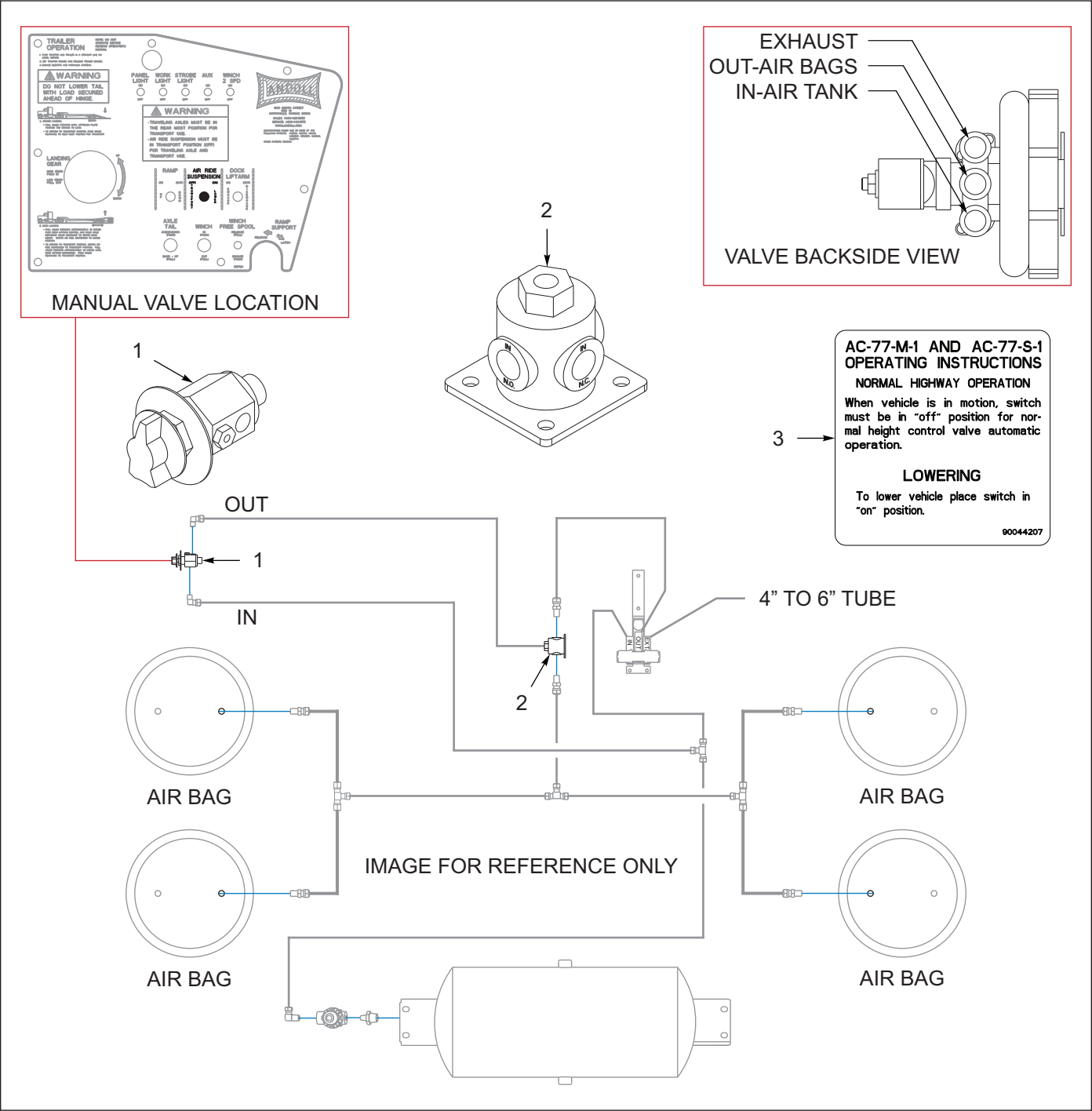


Figure 6-15: Suspension Lowering Air Control, Kit

Suspension Lowering Air Control, Kit

ITEM	PART NUMBER	DESCRIPTION	QTY.
	109177	CONTROL KIT AIR SUSP LOWER (KIT INCLUDES ITEMS 1-3)	- -
1	900-54-088	VALVE, MANUAL OPERATED (INCLUDES KNOB, 900 54 21)	1
2	900-54-079	PILOT VALVE	1
3	900-44-207	DECAL	1

Tire Inflation, 2 Axle, Drum (OPTION)

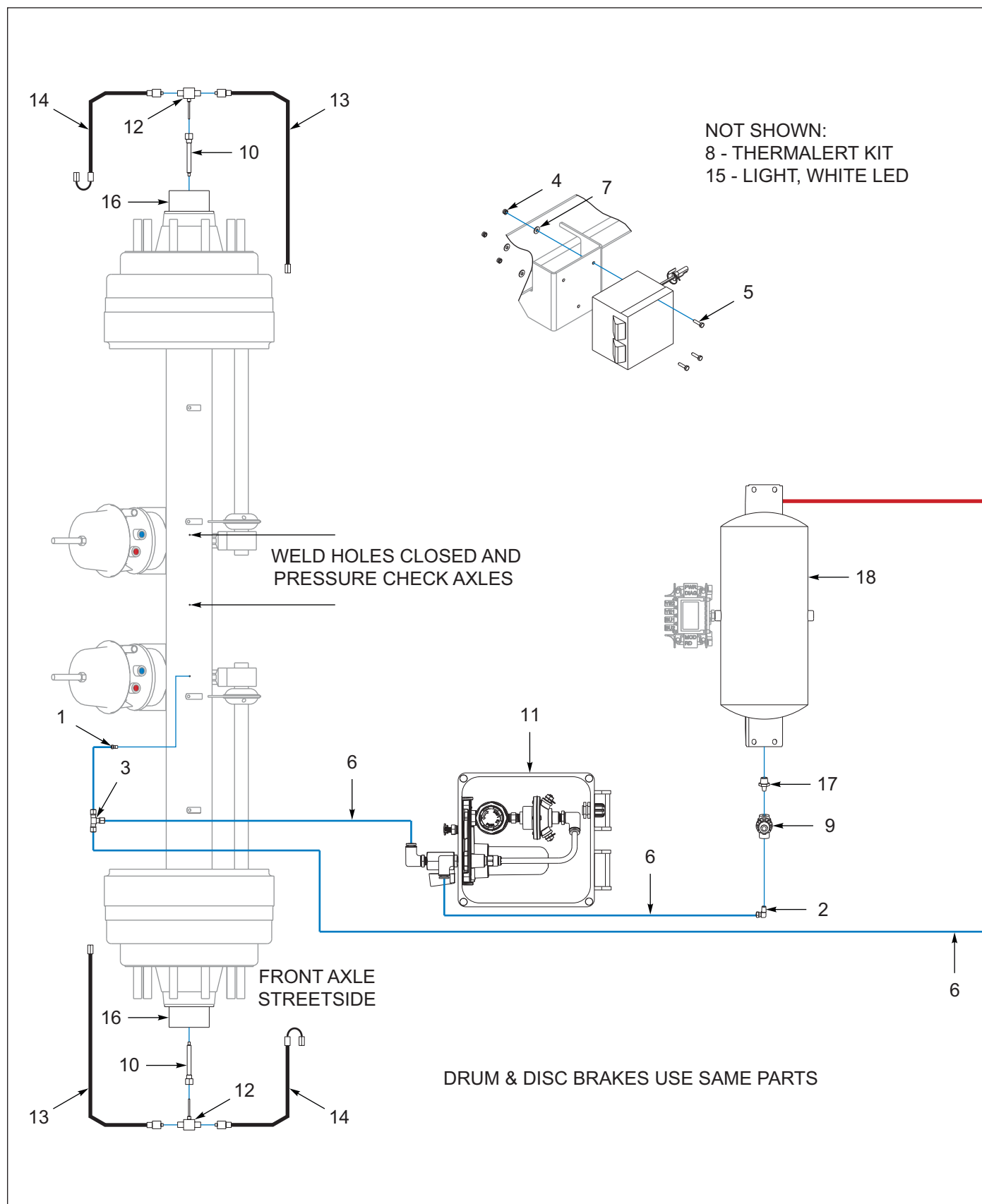


Figure 6-16: Tire Inflation, 2 Axle (OPTION) (1 of 2)

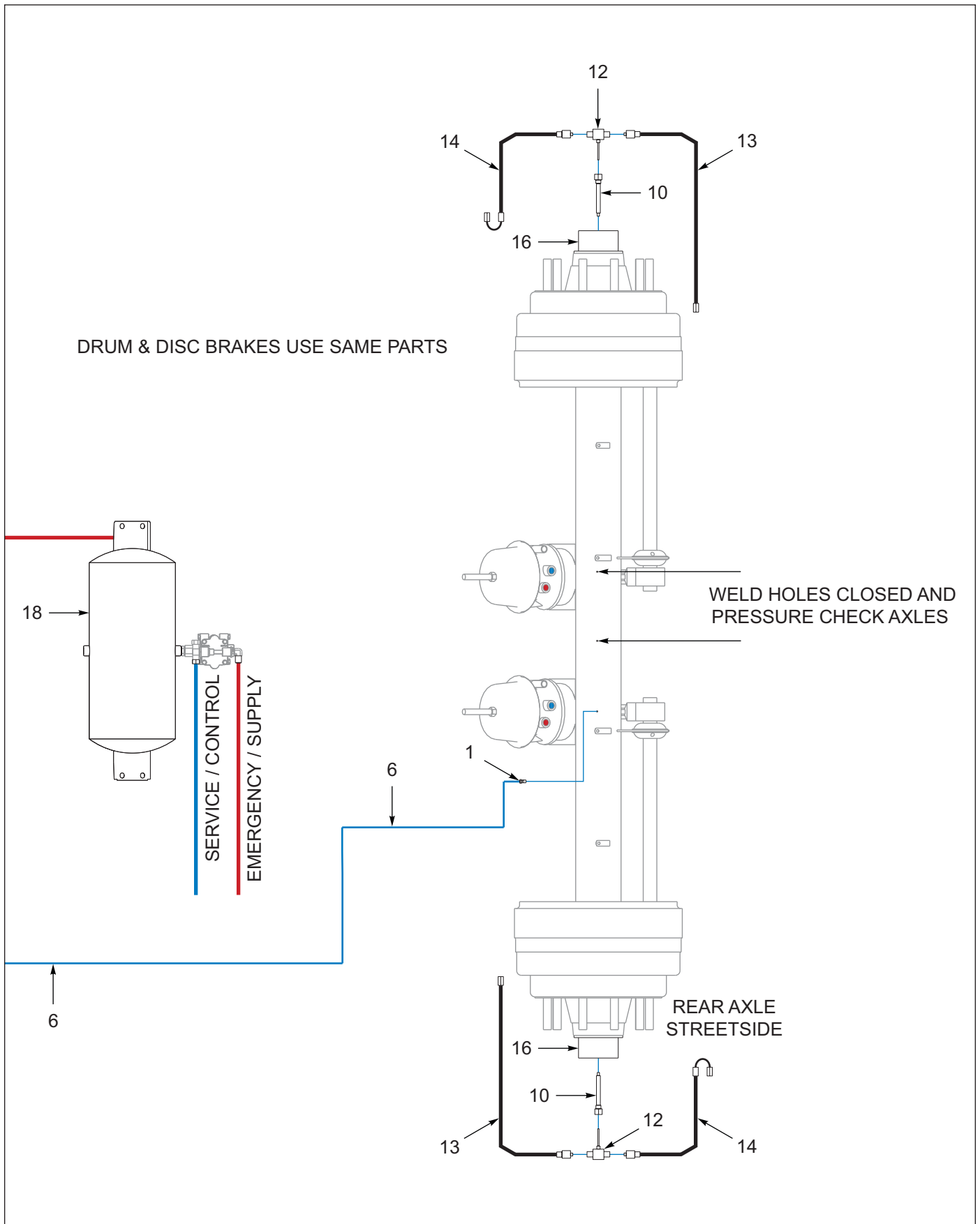


Figure 6-17: Tire Inflation, 2 Axle (OPTION) (2 of 2)

Tire Inflation, 2 Axle (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223304	2 AXLE TIS TRAVELING AXLE	--
1	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT (INCLUDED WITH ITEM 8)	2
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT (INCLUDED WITH ITEM 8)	1
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
4	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
5	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	3
6	1-833-010001	TUBING NYLON 1/4 OD (BY THE FOOT)	--
7	1-861-010032-07	WASHER,FLAT 1/4 ZP	3
8	168593	THERMALERT TIS 2 AXLE (INCLUDES ITEMS 1-2, 6, 9-14) (ELECTRICAL & ADDITIONAL AIR PARTS - SEE PAGE 6-35)	1
9	168610	THERMALERT PRESS PROT VALVE (INCLUDED WITH ITEM 8)	1
10	168616	THERMALERT STAT & FILTER ASSY (INCLUDED WITH ITEM 8) (ADDITIONAL AIR PARTS - SEE PAGE 6-35)	6
11	168618	THERMALERT CONTROL BOX (INCLUDED WITH ITEM 8) (ADDITIONAL AIR PARTS - SEE PAGE 6-35)	1
12	178592	THRU TEE ASSEMBLY 4.25" (INCLUDED WITH ITEM 8) (INCLUDES SHIELD & VENT CAP) (ADDITIONAL AIR PARTS - SEE PAGE 6-35)	6
13	180839	TIS LONG HOSE (INCLUDED WITH ITEM 8) (ADDITIONAL AIR PARTS - SEE PAGE 6-35)	6
14	180840	TIS SHORT HOSE (INCLUDED WITH ITEM 8)	6
15	183413	LIGHT,WHT LED .75 CL/MK GROTE (ELECTRICAL - SEE PAGE 6-35)	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

[illegible]

NOT SHOWN:
8 - THERMALERT KIT
16 - LIGHT, WHITE LED

WELD HOLES CLOSED AND
PRESSURE CHECK AXLES

FRONT AXLE
STREETSIDE

FRONT AXLE
STREETSIDE

18

17

9

2

6

3

16

10

12

13

14

11

6

2

1

3

6

14

12

10

16

13

F-1004-2311

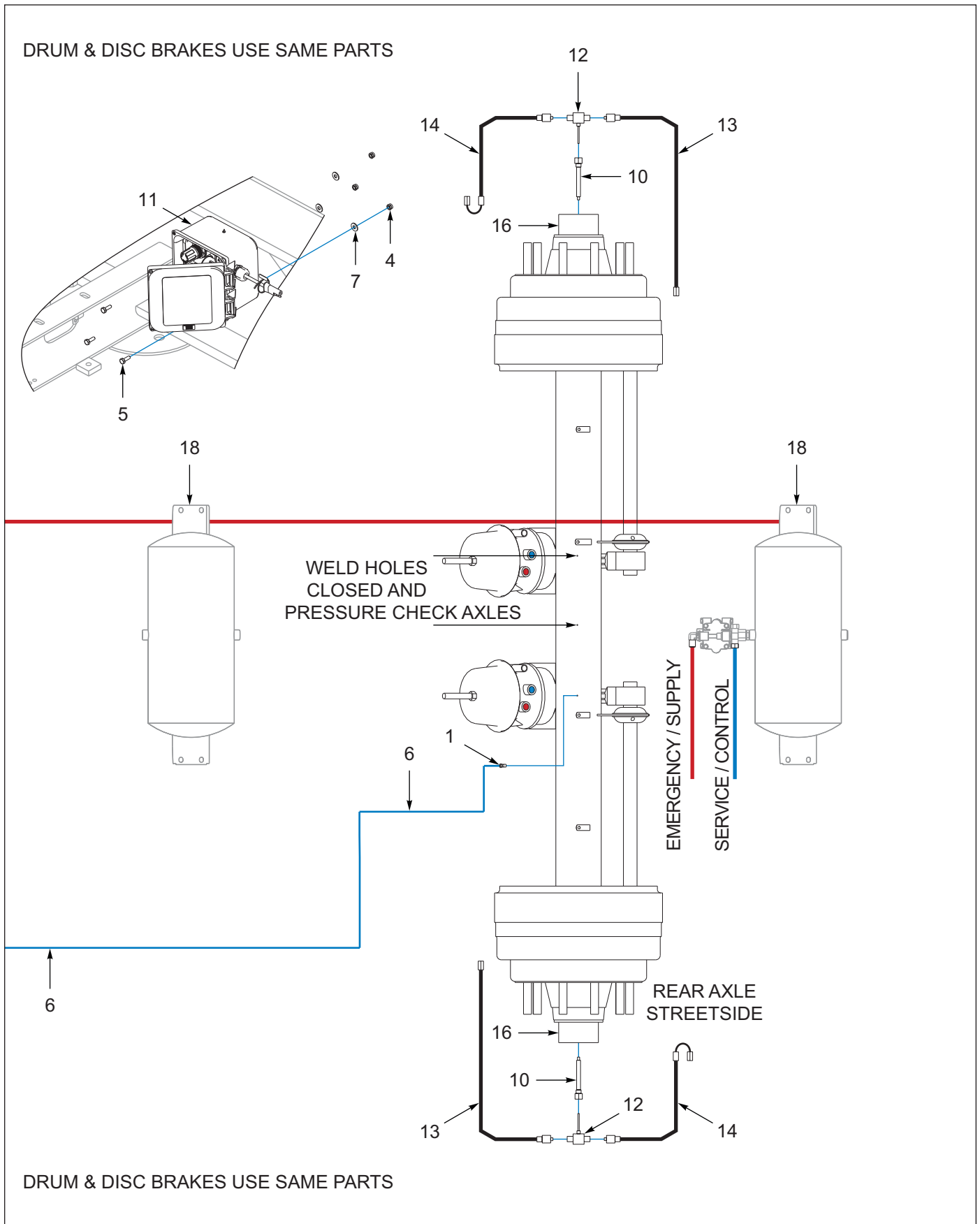


Figure 6-19: Tire Inflation, 3 Axle (OPTION) (2 of 2)

Tire Inflation, 3 Axle (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223306	3 AXLE TIS TRAVELING AXLE	- -
1	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT (INCLUDED WITH ITEM 8)	3
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	1
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	2
4	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
5	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	3
6	1-833-010001	TUBING NYLON 1/4 OD (BY THE FOOT) (INCLUDED WITH ITEM 8)	- -
7	1-861-010032-07	WASHER,FLAT 1/4 ZP	3
8	195395	THERMALERT TIS 3 AXLE (INCLUDES ITEMS 1, 6, 9-14) (ELECTRICAL & ADDITIONAL AIR PARTS - SEE PAGE 6-35)	1
9	168610	THERMALERT PRESS PROT VALVE (INCLUDED WITH ITEM 8)	1
10	168616	THERMALERT STAT & FILTER ASSY (INCLUDED WITH ITEM 8) (ADDITIONAL AIR PARTS - SEE PAGE 6-35)	6
11	168618	THERMALERT CONTROL BOX (INCLUDED WITH ITEM 8)	1
12	178592	THRU TEE ASSEMBLY 4.25" (INCLUDED WITH ITEM 8) (INCLUDES SHIELD & VENT CAP) (ADDITIONAL AIR PARTS - SEE PAGE 6-35)	6
13	180839	TIS LONG HOSE (INCLUDED WITH ITEM 8) (ADDITIONAL AIR PARTS - SEE PAGE 6-35)	6
14	180840	TIS SHORT HOSE (INCLUDED WITH ITEM 8) (ADDITIONAL AIR PARTS - SEE PAGE 6-35)	6
15	183413	LIGHT,WHT LED .75 CL/MK GROTE (ELECTRICAL - SEE PAGE 1-123)	1
16	197613	HUB CAP TIS OIL AXLE (STANDARD)	6
16	197318	HUB CAP TIS GREASE AXLE (OPTION)	6
17	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
18	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3

Table provided for general use.

[illegible]

Tire Inflation Electrical System & Components (OPTION)

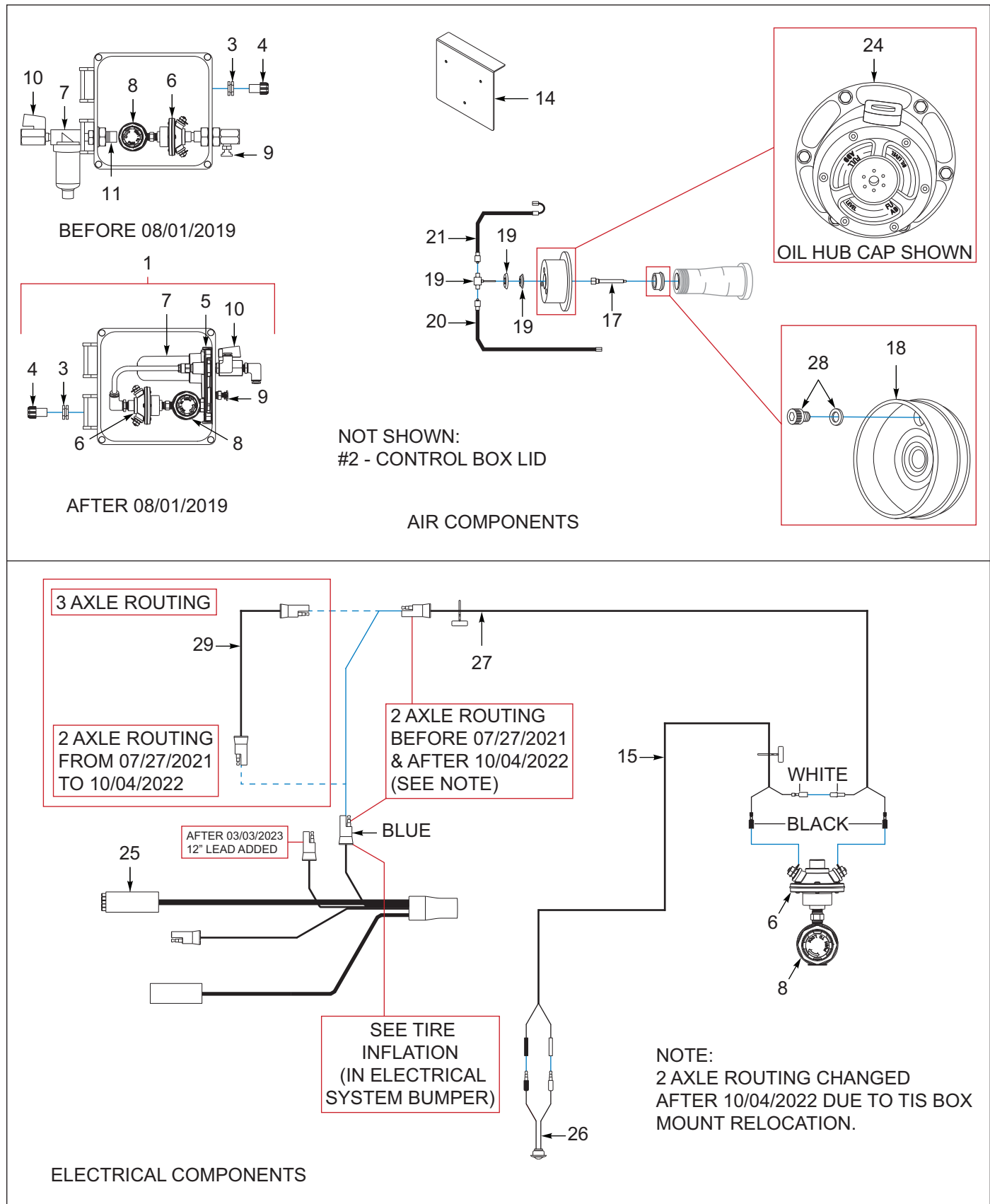


Figure 6-20: Tire Inflation Electrical System & Components (OPTION)

Tire Inflation Electrical System & Components (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223304	2 AXLE TIS TRAVELING AXLE	--
	168593	THERMALERT TIS 2 AXLE (INCLUDES ITEMS 1-23)	--
	223306	3 AXLE TIS TRAVELING AXLE	--
	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) (INCLUDES FILTER 31104-00 AND BOWL 31105-00)	--
8	180224	PRESSURE REGULATOR VALVE (216708) (BEFORE 08/01/2019)	1
8	-----	PRESSURE REGULATOR (AFTER 08/01/2019 INCLUDED WITH 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 6-27 & 6-31)	--
13	168610	THERMALERT PRESS PROT VALVE (NOT SHOWN - SEE PAGE 6-27 & 6-31)	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	180839	TIS LONG HOSE (17" LONG) (PER AXLE)	2
21	180840	TIS SHORT HOSE (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 (AFTER 03/03/2023, 12" LEAD ADDED)	--
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 (REQUIRED ON ALL 3 AXLES) (REQUIRED ON 2 AXLES BETWEEN 07/27/2021 TO 10/04/2022)	1

Valve Assembly, Air Booster

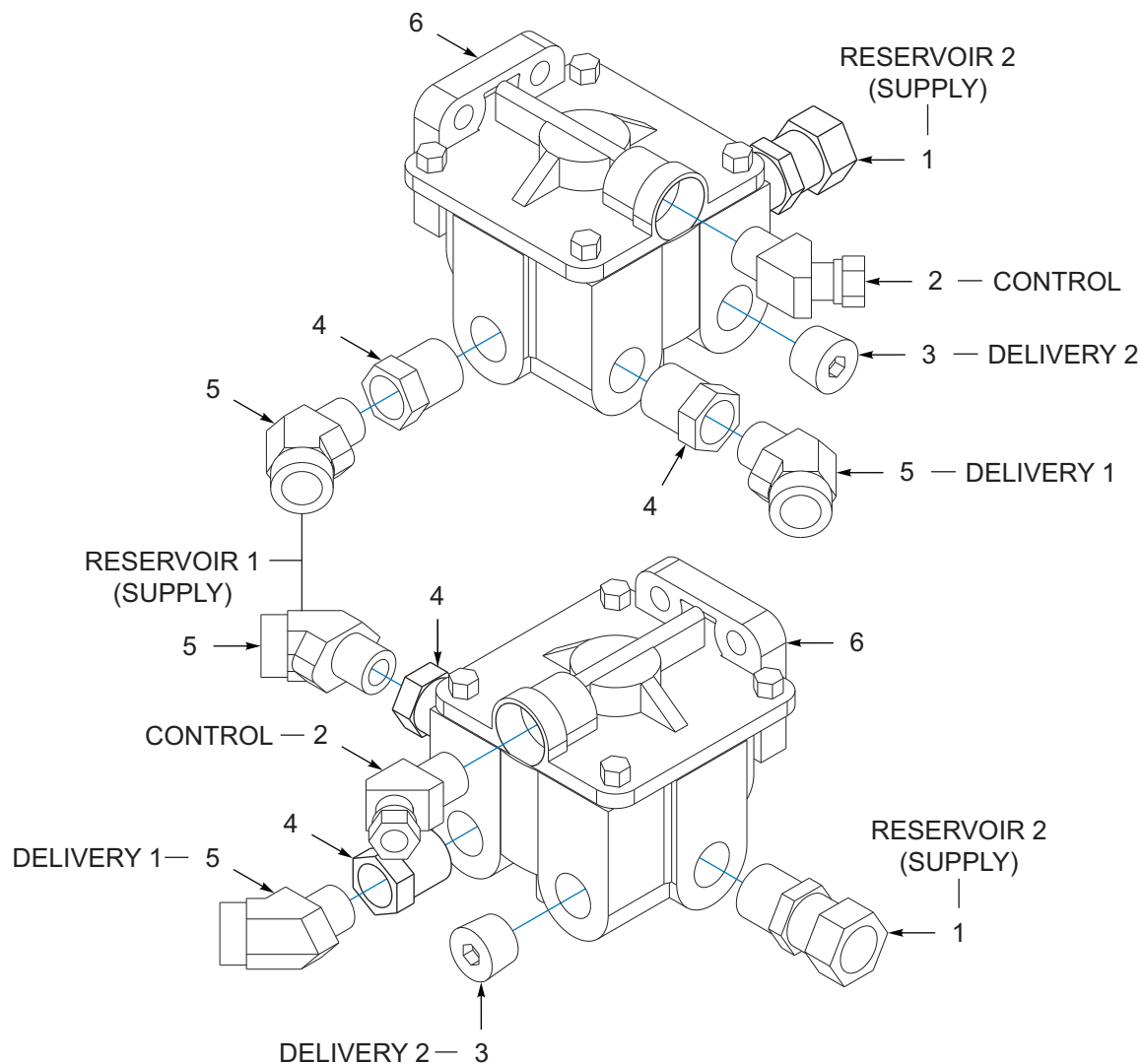


Figure 6-21: Valve Assembly, Air Booster

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

[illegible]

Winch Install, Braden 20K, 1 Speed, Air Tension (OPTION)

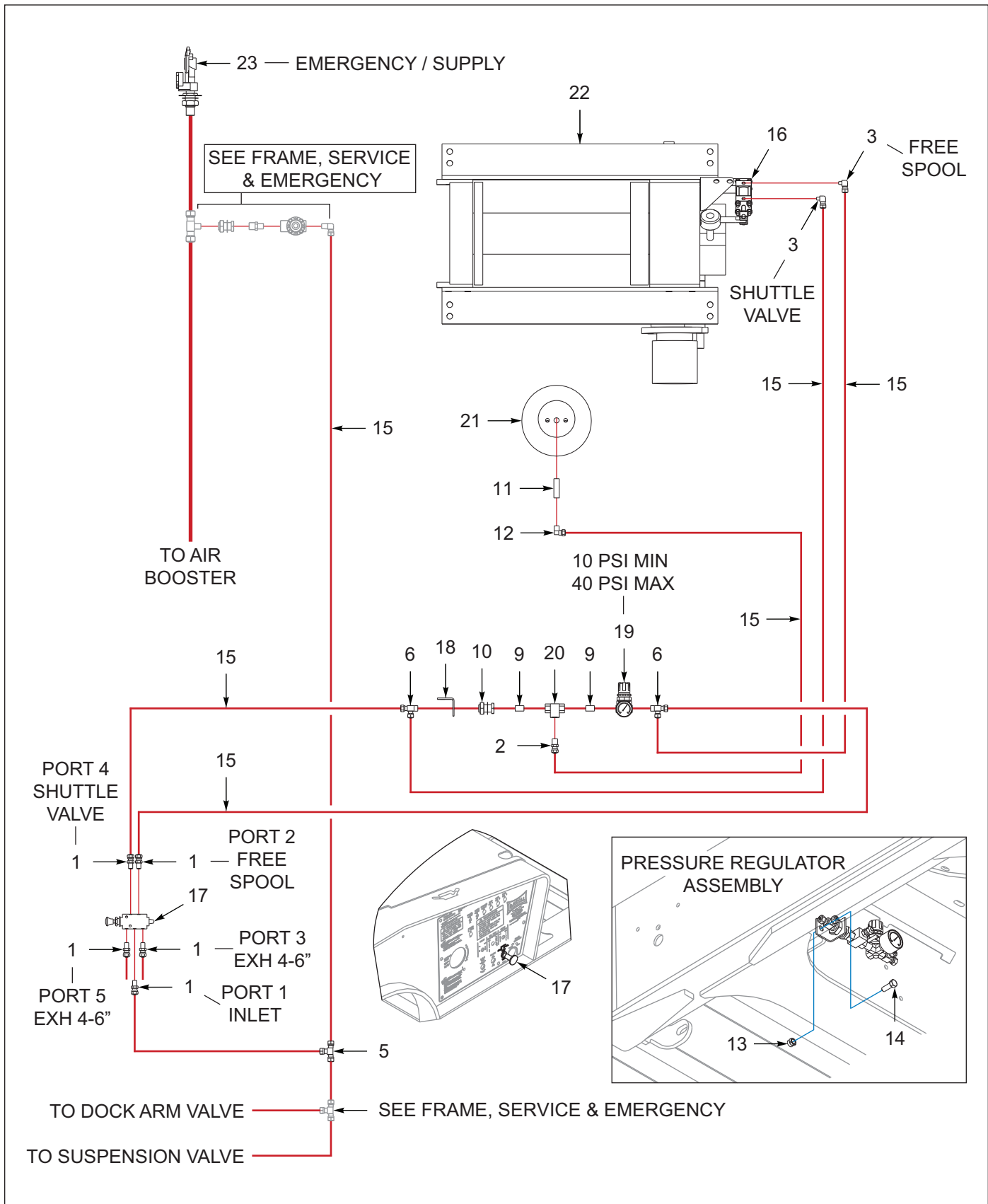


Figure 6-22: Winch Install, Braden 20K, 1 Speed, Air Tension (OPTION)

Winch Install, Braden 20K, 1 Speed, Air Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	204662	WINCH 20K AIR TNSN CBL RLB 900	--
1	1-297-010007-04	FITTING, AIR, 1/4TUBEX1/8NPT	5
2	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
3	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	2
4	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	1
5	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
6	1-297-010011-02	FITTING AIR M/RUN TEE 1/4X1/4	2
7	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1
8	1-297-010019-05	FITTING,BRS PIPE,HX 3/8X1/4	1
9	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	2
10	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
11	1-297-010031-02	FITTING,BRS PIPE,1/4NPTX1-1/2	1
12	1-297-010032-03	FITTING AIR 90 1/4FP TO 1/4T	1
13	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	1
14	1-654-010036-05	SCREW,HX CP 3/8-16UNCX1 GR8	1
15	1-833-010001	TUBING NYLON 1/4 OD (BLACK) (BY THE FOOT)	21
16	107368	CYLINDER AIR W/BRKT WNCH R/SP (INCLUDES CLEVIS & COTTER PINS) (ASSEMBLY - SEE PAGE 11-17)	1
17	139552	VALVE AIR 5WAY/2POS 1/8NPT	1
18	3-120-010445	BRACKET,PRESSURE REGULATOR660	1
19	3-626-010004	REGULATOR, AIR PRESSURE	1
20	3-843-010039-02	VALVE-AIR SHUTTLE, 1/4NPT	1
21	3-720-010042	SPRING AIR 6-1/2	1
22	3-873-010123	WINCH,WORM GEAR,20,000LB BRADN (COMPONENTS - SEE PAGE 11-25)	1
23	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
23	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1

Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

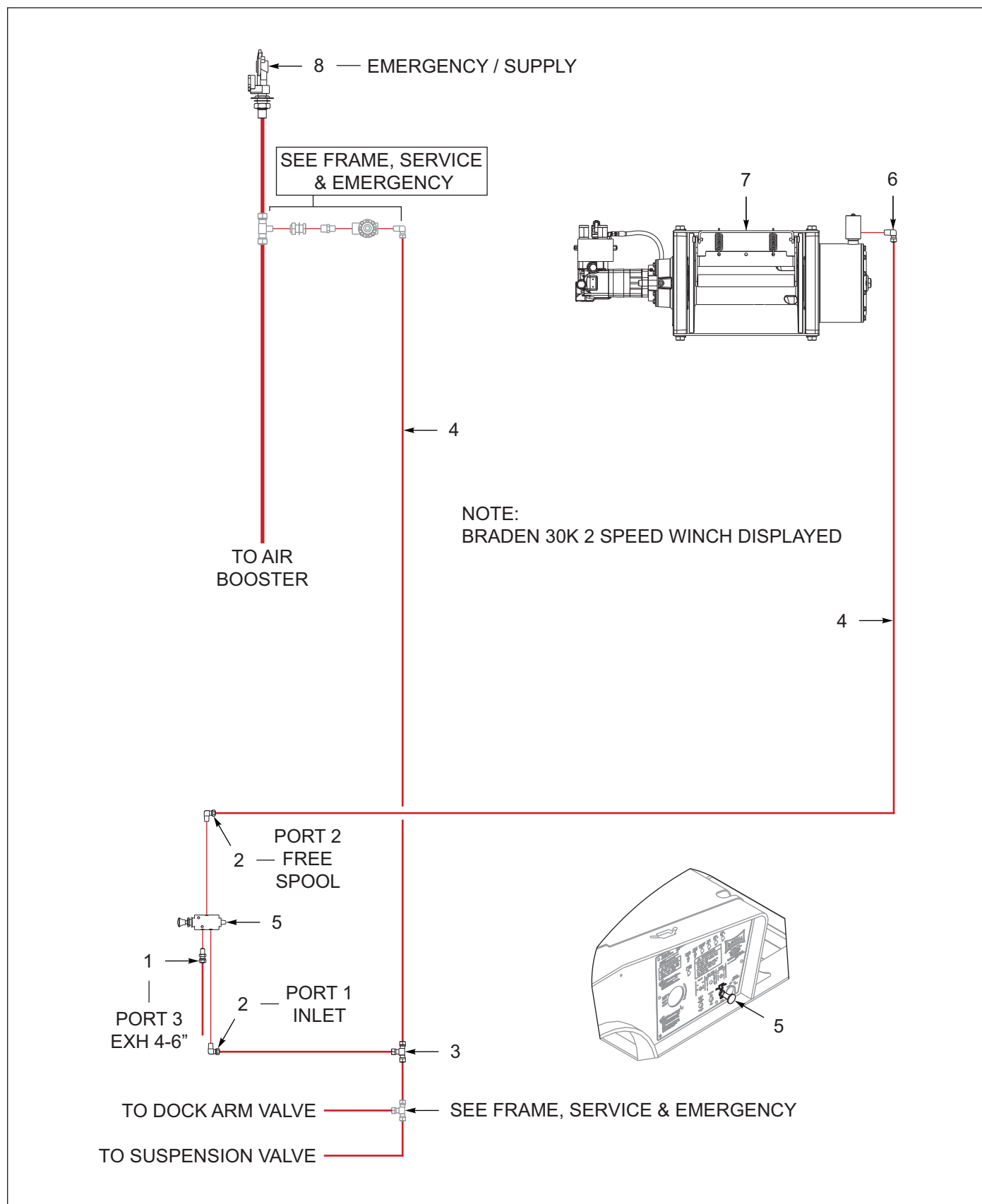


Figure 6-23: Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240559	WINCH INSTL 20K BRADEN 2SP 900 (20K)	--
	242682	WINCH INSTL 30K BRADEN 2SP 900 (30K)	--
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	2
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
4	1-833-010001	TUBING NYLON 1/4 OD (BLACK) (BY THE FOOT)	34
5	134657	VALVE AIR 3WAY/2POS 1/4NPT (INCLUDES KNOB 201635)	1
6	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	1
7	239740	WINCH 20K BRADEN 2 SPEED (20K COMPONENTS - SEE PAGE 11-31)	1
7	239745	WINCH 30K BRADEN 2 SPEED (30K COMPONENTS - SEE PAGE 11-35)	1
8	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
8	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1

Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

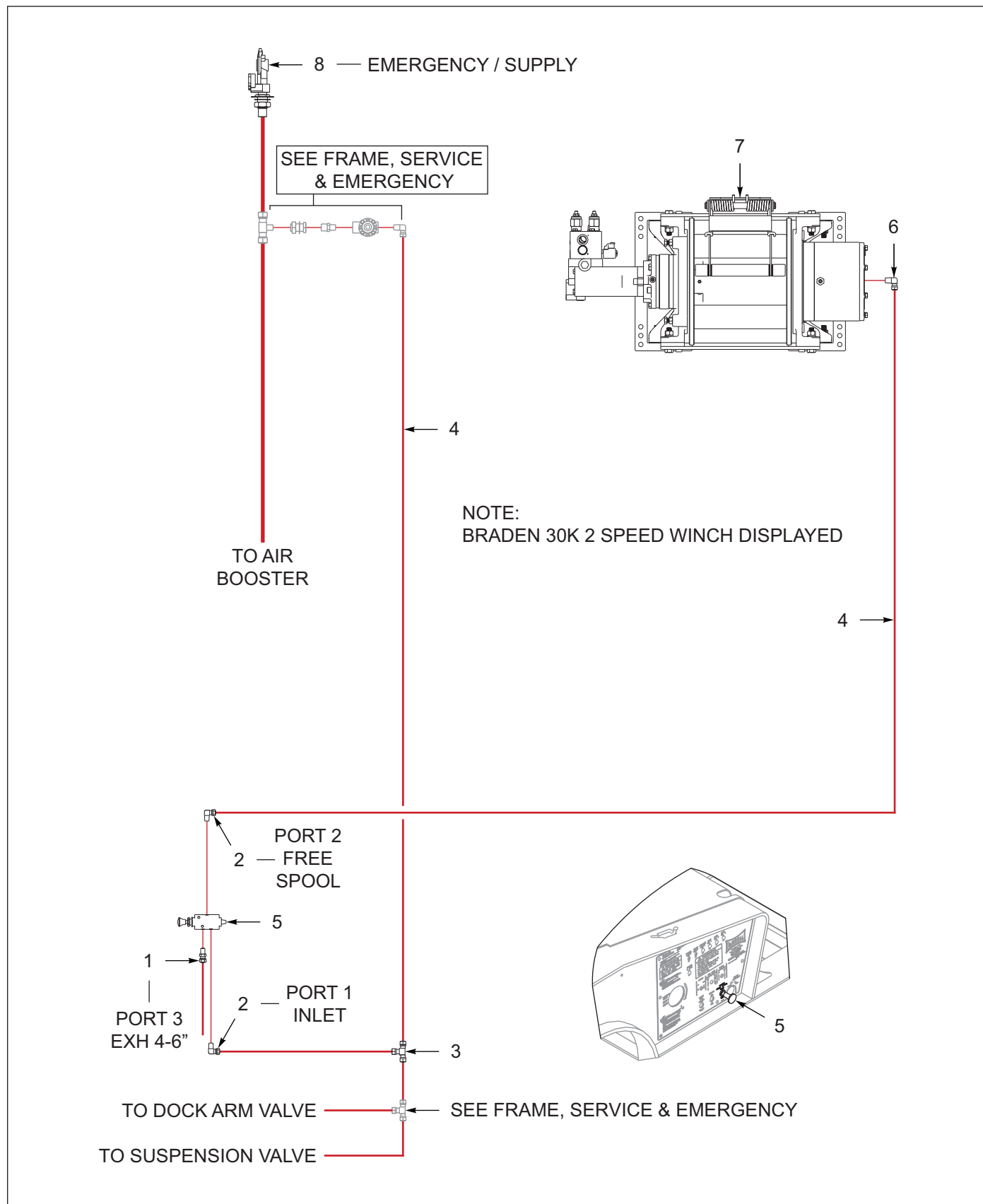


Figure 6-24: Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240546	WNCH INSTL 20KRAMSEY2SP 900STD (20K)	--
	242684	WNCH INST 30KRAMSEY2SPD 900STD (30K)	--
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	2
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
4	1-833-010001	TUBING NYLON 1/4 OD (BLACK BY THE FOOT)	34
5	134657	VALVE AIR 3WAY/2POS 1/4NPT (INCLUDES KNOB 201635)	1
6	102-0188	FTG,90 EL 04SAEM X 04 O-RING	1
7	240526	WINCH 20K RAMSEY 2 SPEED (20K COMPONENTS - SEE PAGE 11-39)	1
7	240528	WINCH 30K RAMSEY 2 SPEED (30K COMPONENTS - SEE PAGE 11-43)	1
8	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
8	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1

Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)

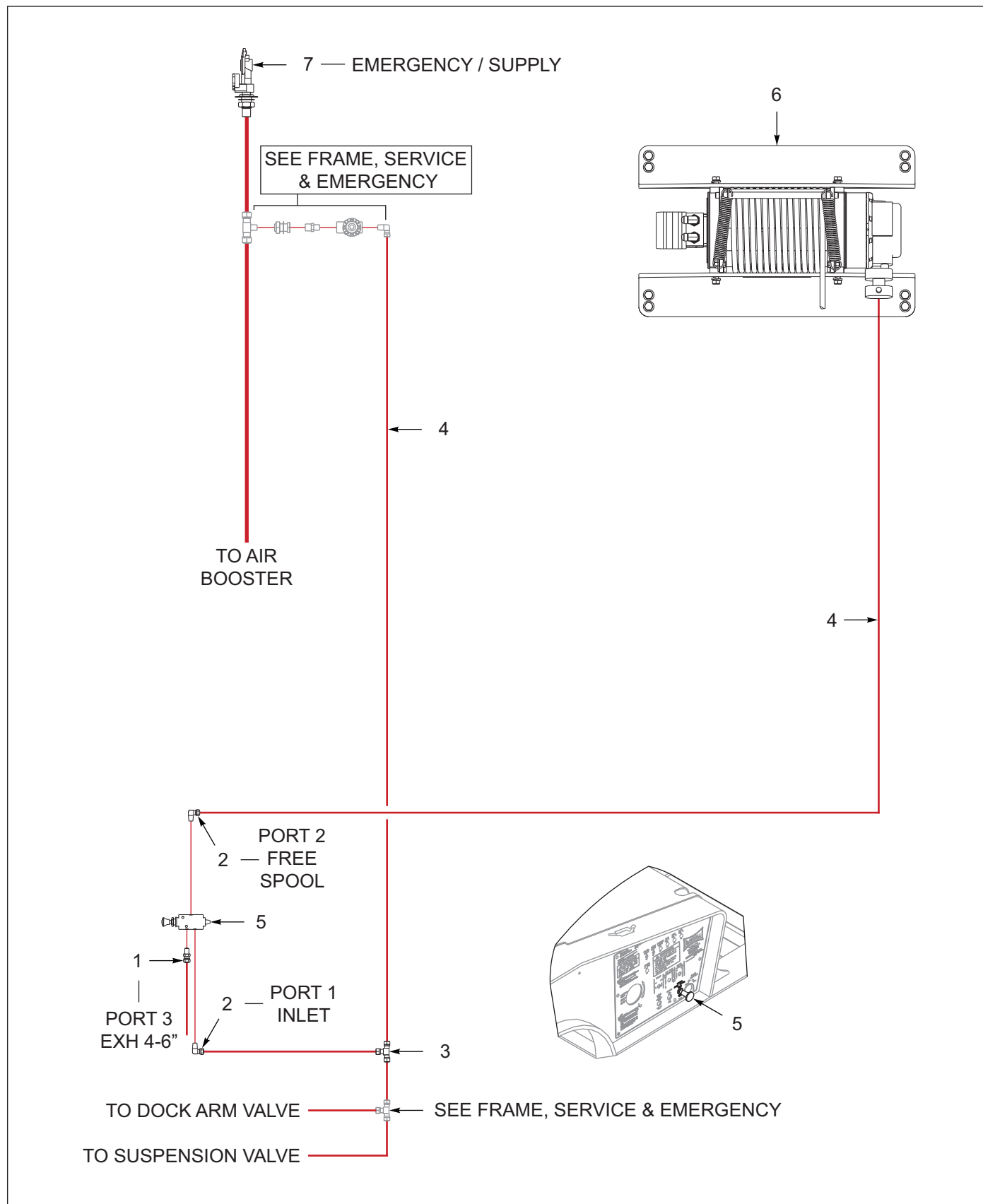


Figure 6-25: Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)

Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196817	WINCH INSTL 12K WARN 900	- -
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	2
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
4	1-833-010001	TUBING NYLON 1/4 OD (BLACK) (BY THE FOOT)	20
5	134657	VALVE AIR 3WAY/2POS 1/4NPT (INCLUDES KNOB 201635)	1
6	166421	WINCH 12M WARN W/LW&RMTC (COMPONENTS - SEE PAGE 11-45)	1
7	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
7	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1

Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

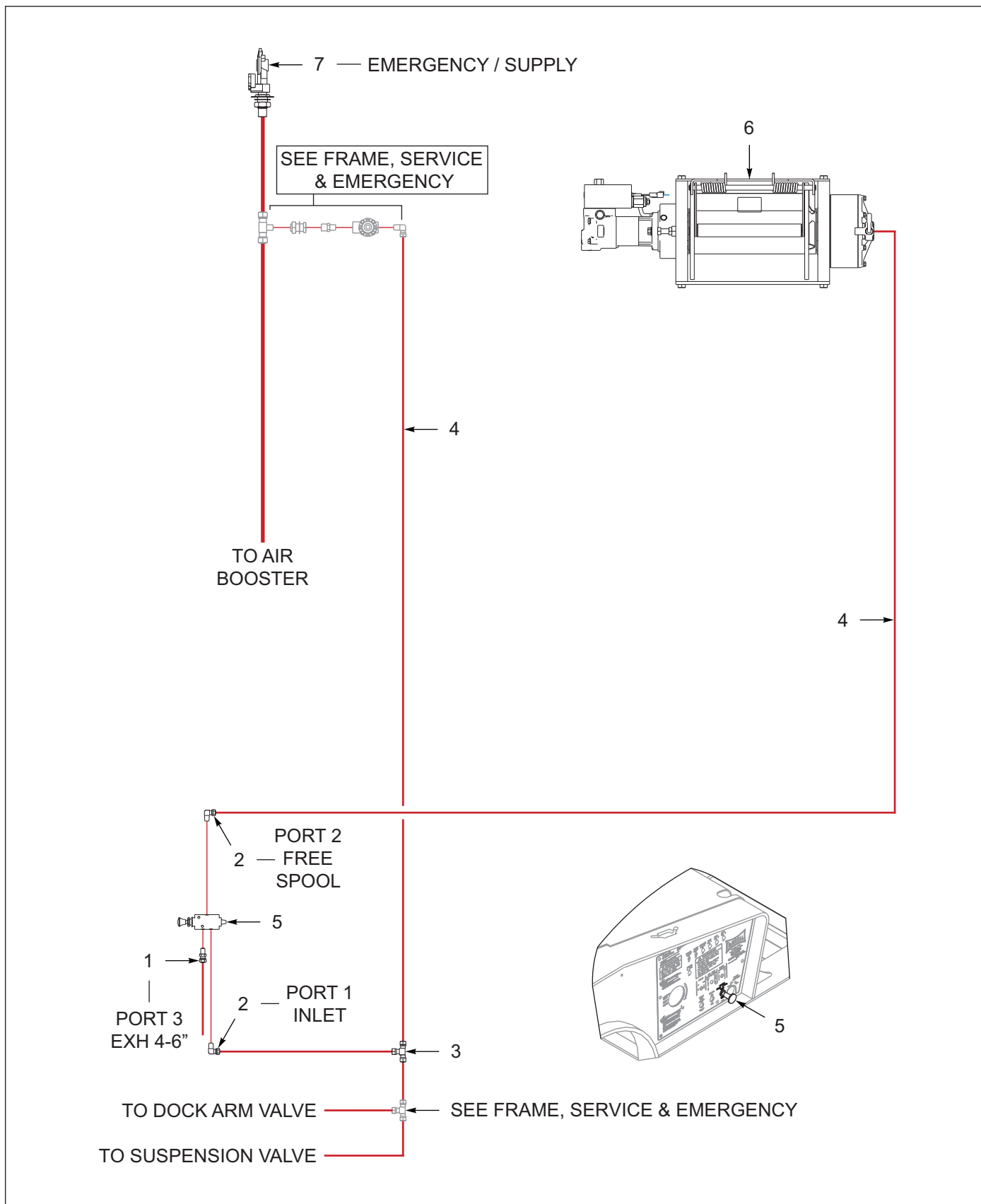


Figure 6-26: Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178383	WINCH INSTL 20KWARN 2SP 900STD (20K)	--
	204664	WINCH 30K WARN 2 SPD AIR 900 (30K)	--
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	2
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
4	1-833-010001	TUBING NYLON 1/4 OD (BLACK) (BY THE FOOT)	34
5	134657	VALVE AIR 3WAY/2POS 1/4NPT (INCLUDES KNOB 201635)	1
6	174553	WINCH ASSY WARN 20K (20K ASSEMBLY - SEE PAGE 11-19)	1
6	174552	WINCH ASSY WARN 30K (30K ASSEMBLY - SEE PAGE 11-19)	1
7	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
7	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1

Electrical Systems

Trailer Assembly (BEFORE 02/15/2022)

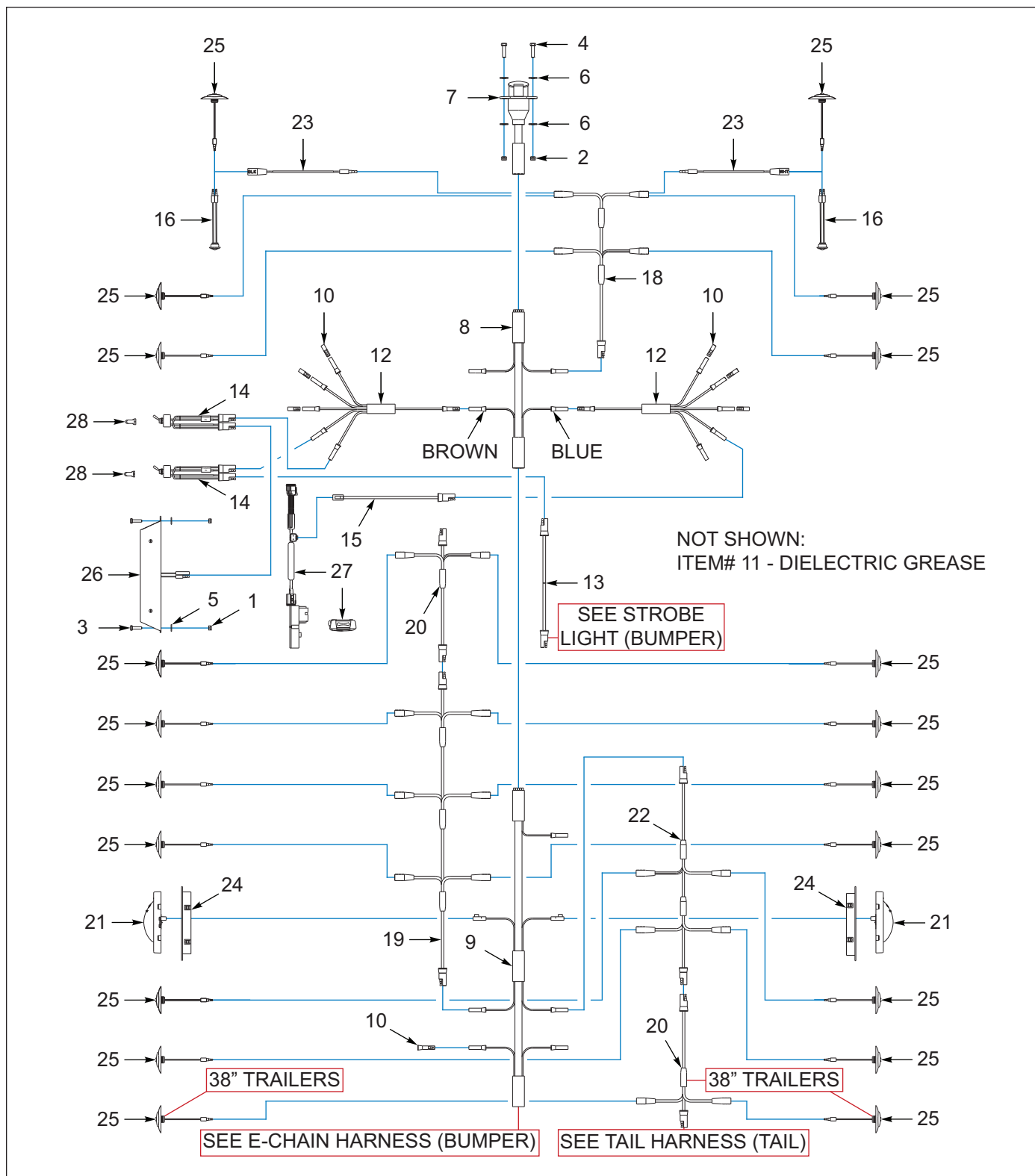


Figure 7-1: Trailer Assembly (BEFORE 02/15/2022) (1 of 2)

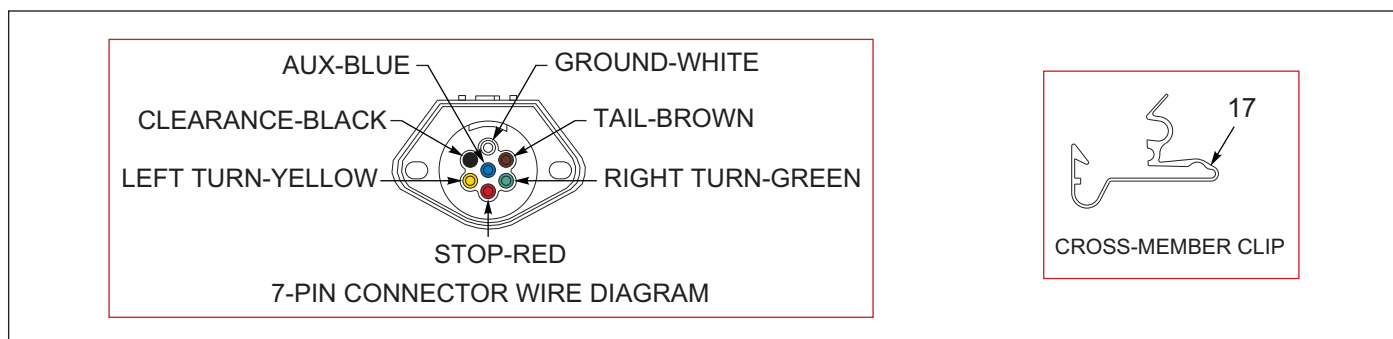


Figure 7-2: Trailer Assembly (BEFORE 02/15/2022) (2 of 2)

Trailer Assembly (BEFORE 02/15/2022)

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	--
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
2	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	2
3	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
4	1-654-010049-06	SCREW,H/CAP,5/16-18UNCX1-1/4	2
5	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
6	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	4
7	143100	HARNESS 7WAY RECP GROTE	1
8	143101	HARNESS FRONT MAIN GROTE	1
9	143102	HARNESS BED MAIN GROTE (OLD STYLE SHOWN) (AFTER 03/09/2023, NEW STYLE - SEE PAGE 7-3)	1
10	143121	DUMMY PLUG MALE/FEM BULLET	1
11	143123	GREASE DIELECTRIC 4 OZ TUBE (NOT SHOWN)	1
12	150093	HARNESS 5 AUX BRANCHES GROTE (NON REMOTE SYSTEMS, REQ 1 EACH)	2
13	150111	HARNESS 300 IN MALE.FEMALE	1
14	150117	SWITCH ASSY LIGHT GROTE	2
15	164052	HARNESS,60"BRANCH,WORK LIGHT (REMOTE SYSTEMS ONLY)	1
16	183413	LIGHT,WHT LED .75 CL/MK GROTE (TOOLBOX LIGHT)	2
17	187833	CLIP HARNESS, CROSS-MEMBER	100
18	187855	HARNESS MARKER UPR DECK	1
19	187856	HARNESS MARKER MID DECK	1
20	187857	HARNESS MARKER ADDITION (33', 35', 36', REQ 1 EACH) (38', REQ 2 EACH)	--
21	187868	LIGHT MID-TURN LED CLEAR LENS	2
22	194411	HARNESS MARKER FRAME REAR	1
23	213290	HARNESS 6" MKR EXTENSION	2
24	213296	FLANGE CHROME FLAT OBLONG	2
25	213297	LIGHT YEL CLEAR LENS MKR (33', 36' TRAILERS, REQ 18 EACH) (35' TRAILERS, REQ 16 EACH) (38' TRAILERS, REQ 20 EACH)	--
26	213304	LIGHT ASSY CONTROL PANEL	1
27	213497	REMOTE KIT BRAND 6 FUNC 900 (SEE PAGE 7-21) (REMOTE SYSTEMS ONLY)	1
28	81264	RUBBER BOOT FOR ELECT SWITCH	2

Trailer Assembly (AFTER 02/15/2022)

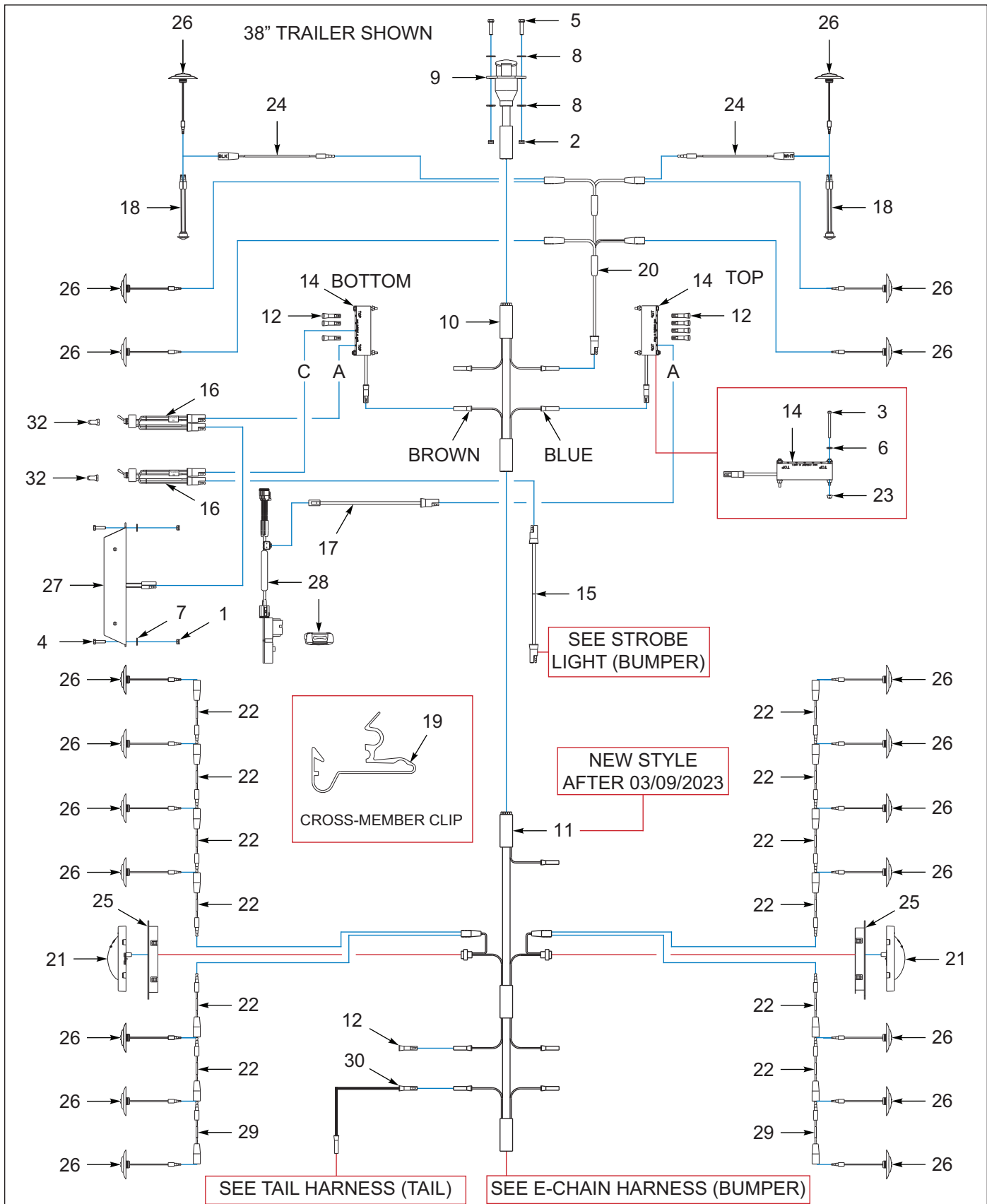


Figure 7-3: Trailer Assembly (AFTER 02/15/2022) (1 of 2)

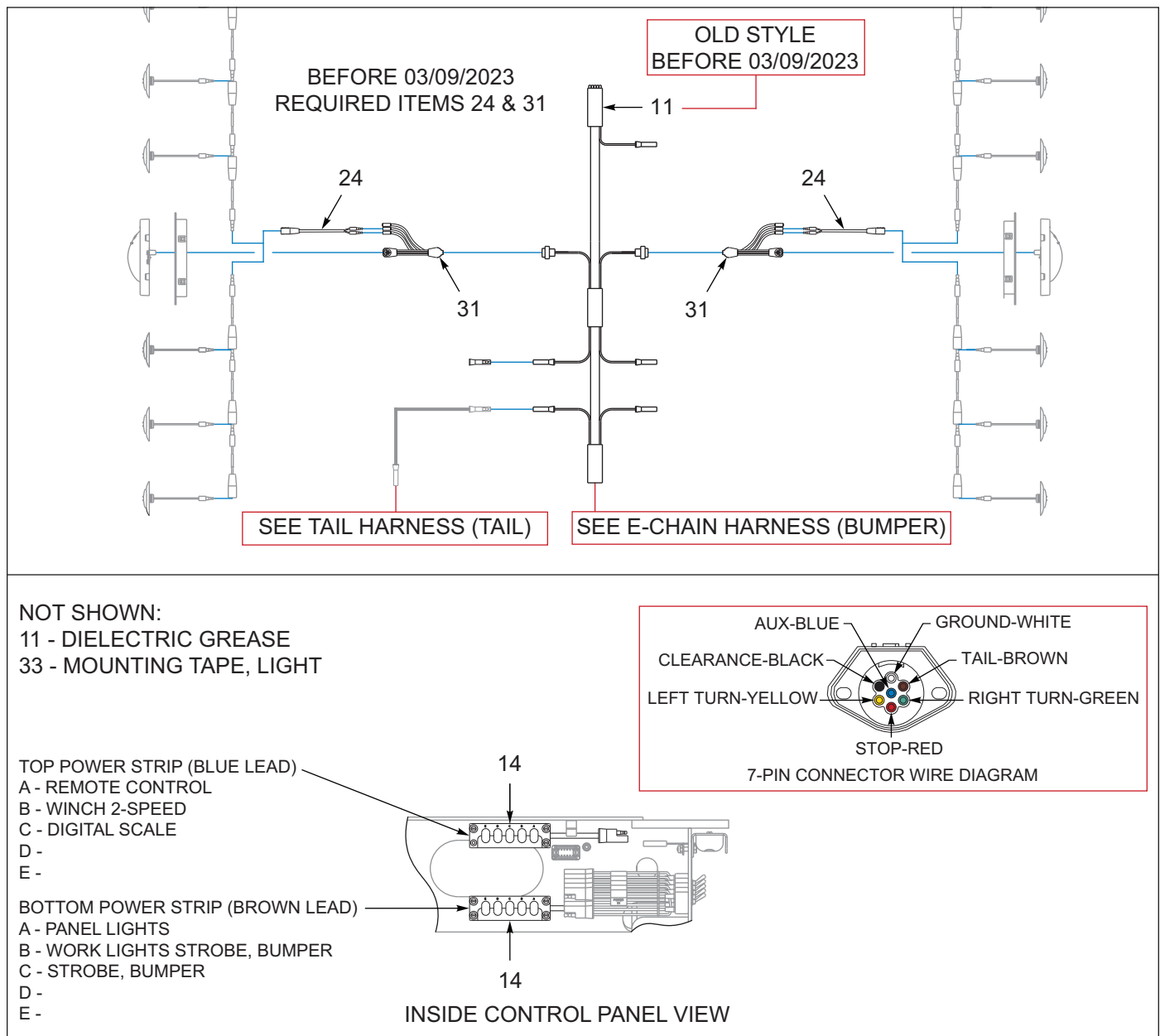


Figure 7-4: Trailer Assembly (AFTER 02/15/2022) (2 of 2)

Trailer Assembly (AFTER 02/15/2022)

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	--
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
2	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	2
3	1-654-010024059	SCREW,MACH SL FILH10-24X2-1/4	7
4	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
5	1-654-010049-06	SCREW,H/CAP,5/16-18UNCX1-1/4	2
6	1-861-010032-03	WASHER, FLAT #10 ZP/CD	7
7	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
8	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	4

ITEM	PART NUMBER	DESCRIPTION	QTY.
9	143100	HARNESS 7WAY RECP GROTE	1
10	143101	HARNESS FRONT MAIN GROTE	1
11	143102	HARNESS BED MAIN GROTE (NEW STYLE)	1
12	143121	DUMMY PLUG MALE/FEM BULLET	1
13	143123	GREASE DIELECTRIC 4 OZ TUBE (NOT SHOWN)	1
14	148874	POWER STRIP, OPTL TRLR FCTN	2
15	150111	HARNESS 300 IN MALE.FEMALE	1
16	150117	SWITCH ASSY LIGHT GROTE	2
17	164052	HARNESS,60"BRANCH,WORK LIGHT (REMOTE SYSTEMS ONLY)	1
18	183413	LIGHT,WHT LED .75 CL/MK GROTE (TOOLBOX LIGHT)	2
19	187833	CLIP HARNESS, CROSS-MEMBER	20
20	187855	HARNESS MARKER UPR DECK	1
21	187868	LIGHT MID-TURN LED CLEAR LENS	2
22	204194	HARNESS MARKER EXT. 60" (QTY VARIES WITH LIGHT QTY) (33', 36' TRAILERS, REQ 10 EACH) (35', 38' TRAILERS, REQ 12 EACH)	--
23	212074	NUT 10-24 FLANGE HD SERRATED	7
24	213290	HARNESS 6" MKR EXTENSION (BEFORE 03/09/2023, REQ 4 EACH - AFTER NOT USED ON SIDE MARKER LIGHTS)	2
25	213296	FLANGE CHROME FLAT OBLONG	2
26	213297	LIGHT YEL CLEAR LENS MKR (REQ ITEM 33, 1 PER LIGHT) (33', 35', 36' TRAILERS, REQ 18 EACH) (38' TRAILERS, REQ 20 EACH)	--
27	213304	LIGHT ASSY CONTROL PANEL	1
28	213497	REMOTE KIT BRAND 6 FUNC 900 (SEE PAGE 7-21) (REMOTE SYSTEMS ONLY)	1
29	225261	HARNESS,72" MKR EXTENSION	2
30	235745	HARNESS 144" M/F JUMPER	1
31	235747	ADAPTER.JUMPER,MID-TURN/MKR (BEFORE 03/09/2023 - AFTER NOT USED)	2
32	81264	RUBBER BOOT FOR ELECT SWITCH	2
33	227811	DOUBLE SIDED MOUNTING TAPE (1 PER ITEM 26) (33', 35, 36' TRAILERS, REQ 18 EACH) (38' TRAILERS, REQ 20 EACH)	--

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Tail Assembly

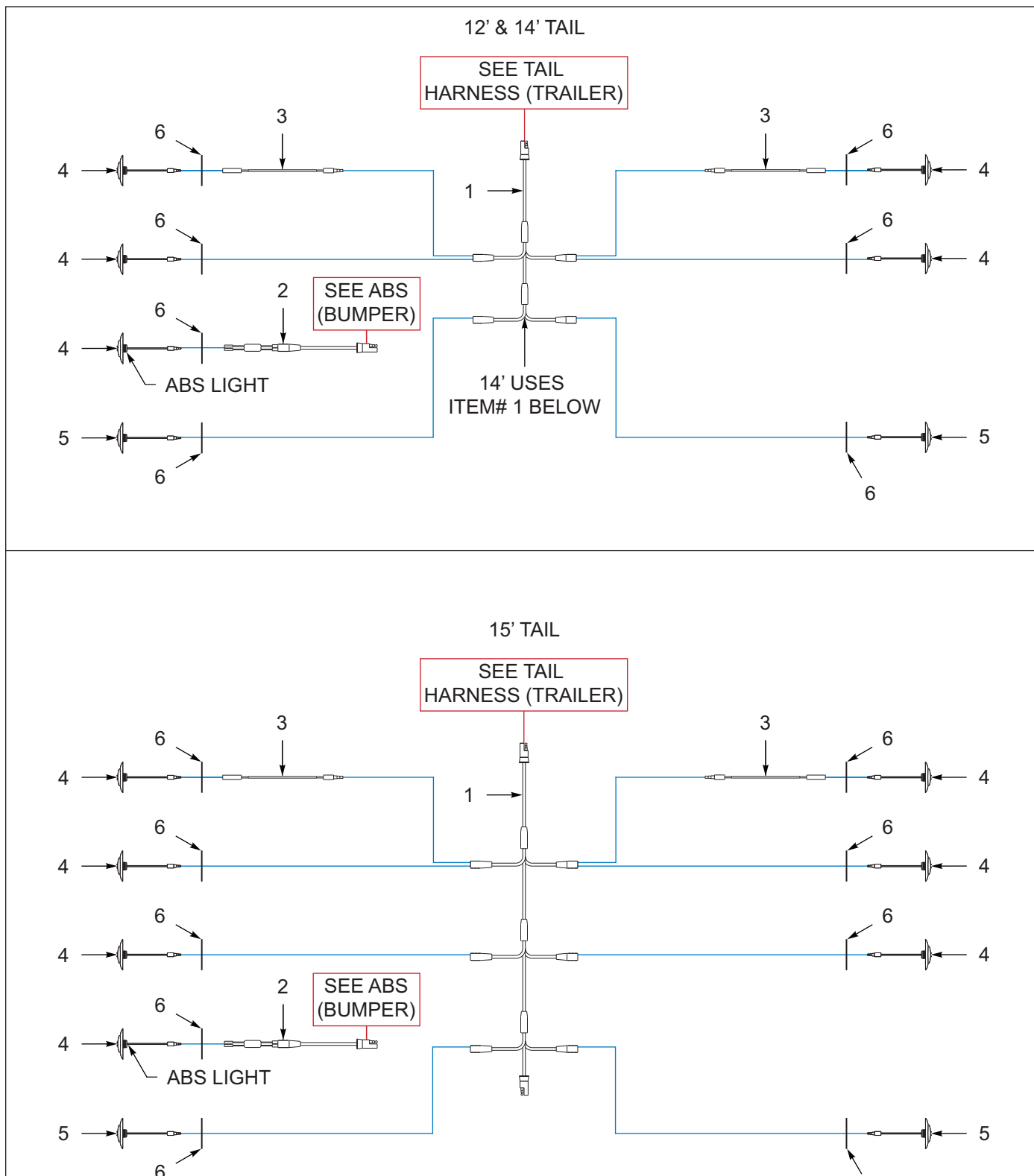


Figure 7-5: Tail Assembly

Tail Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	195848	TAIL ASSY 900-12FT 235 TIRE	--
	222951	TAIL ASSY 900-12FT 235 TIRE (CENTER GOTCHAS)	--
	195849	TAIL ASSY 900-12FT 255 TIRE	--
	222952	TAIL ASSY 900-12FT 255 TIRE (CENTER GOTCHAS)	--
	195850	TAIL ASSY 900-14FT 235 TIRE	--
	222953	TAIL ASSY 900-14FT 235 TIRE (CENTER GOTCHAS)	--
	195851	TAIL ASSY 900-14FT 255 TIRE	--
	222954	TAIL ASSY 900-14FT 255 TIRE (CENTER GOTCHAS)	--
	195852	TAIL ASSY 900-15FT 235 TIRE	--
	222955	TAIL ASSY 900-15FT 235 TIRE (CENTER GOTCHAS)	--
	195853	TAIL ASSY 900-15FT 255 TIRE	--
	222956	TAIL ASSY 900-15FT 255 TIRE (CENTER GOTCHAS)	--
1	187855	HARNESS MARKER UPR DECK (12' TAIL)	1
1	187856	HARNESS MARKER MID DECK (14' & 15' TAIL)	1
2	187858	HARNESS ABS LAMP MICRONOVA	1
3	194410	HARNESS JUMPER LAMP MIRCO-NOVA	2
4	187863	LIGHT YEL LED.75CL/MK CLEAR CB (BEFORE 07/01/2018) (12', 14' TAIL, REQ 5 EACH) (15' TAIL, REQ 7 EACH)	--
4	213297	LIGHT YEL CLEAR LENS MKR (AFTER 07/01/2018) (12', 14' TAIL, REQ 5 EACH) (15' TAIL, REQ 7 EACH)	--
5	187864	LIGHT RED LED.75CL/MK CLEAR CB (BEFORE 07/01/2018)	2
5	213298	LIGHT RED CLEAR LENS MKR (AFTER 07/01/2018)	2
6	227811	DOUBLE SIDED MOUNTING TAPE (1 PER LIGHT) (12', 14' TAIL, REQ 7 EACH) (15' TAIL, REQ 9 EACH)	--

Bumper Assembly

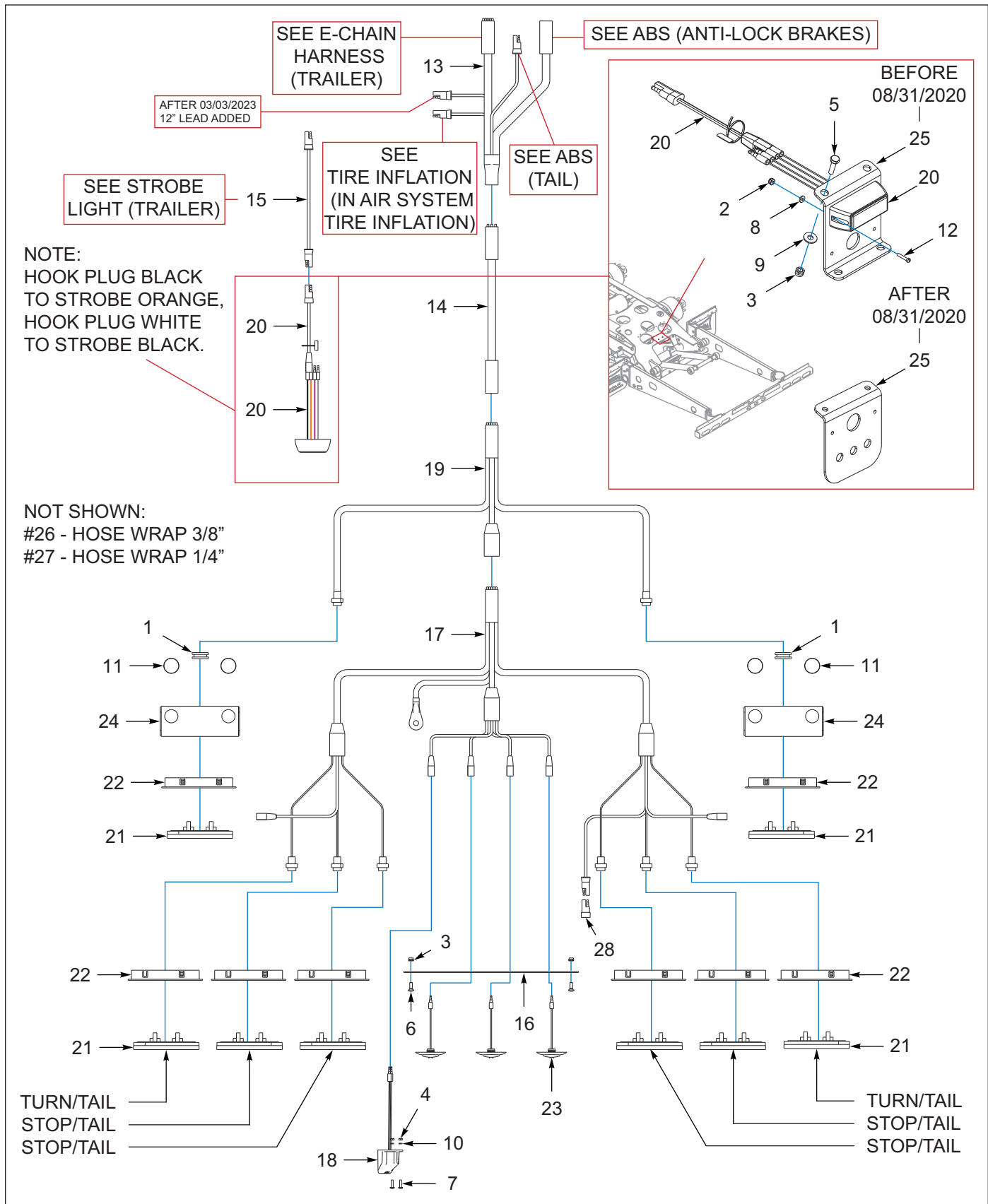


Figure 7-6: Bumper Assembly

Bumper Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP ASSY 930E-12 2512-77	--
	215051	SUSP ASSY 930E-14 2512-77	--
	215053	SUSP ASSY 930E-15 2512-77	--
1	1-343-010006	GROMMET (ADDED 04/24/2018)	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	4
4	1-512-010007-03	NUT, HEX 10-24 GR2 ZP	2
5	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
6	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4	2
7	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	2
8	1-861-010032-01	WASHER, FLAT #6 ZP/CD (ADDED 04/24/2018)	2
9	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
10	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10	2
11	116324	PLUG,PLAST PANEL1-5/16&1-7/16	8
12	122187	SCREW,MACH SLOT FILL 6-32X3/4 (ADDED 04/24/2018)	2
13	143103	HARNESS ECHAIN GROTE (AFTER 03/03/2023, 12" LEAD ADDED)	1
14	143166	HARNESS EXT 48IN GROTE (USED ON 12' TAIL)	1
14	143167	HARNESS EXT 84 IN GROTE (USED ON 14' & 15' TAIL)	1
15	150111	HARNESS 300 IN MALE.FEMALE	1
16	179906	PLATE MTG MICRO ID LIGHTS	1
17	187859	HARNESS BUMPER MICRONOVA GROTE	1
18	187860	LIGHT ASSY LICENSE LED GROTE	1
19	213287	HARNESS JUMPER 12" TURN/TAIL	1
20	213294	STROBE ASSY LIGHT W/12"HARNESS (ADDED 04/24/2018) (INCLUDES 213288-HARNESS, 213293-LIGHT STROBE YELLOW)	1
21	213295	LIGHT CLEAR LENS S/T/T	8
22	213296	FLANGE CHROME FLAT OBLONG	8
23	187864	LIGHT RED LED.75CL/MK CLEAR CB (BEFORE 12/26/2018)	5
23	213298	LIGHT RED CLEAR LENS MKR (AFTER 12/26/2018)	5
24	223257	MOUNT WLDMT MUDFLAP S/T/T GALV	2
25	213305	BRACKET U/C CENTER STROBE (ADDED 04/24/2018 - BEFORE 08/31/2020)	1
25	225884	BRACKET U/C STRB/GRSE BULKHEAD (AFTER 08/31/2020)	1
26	43028	HOSE WRAP AEROQUIP 3/8 (NOT SHOWN) (BY THE FOOT) (AFTER 05/22/2020) (PROTECTIVE WRAP ITEM 17)	3
27	43029	HOSE WRAP AEROQUIP 1/4 (NOT SHOWN) (BY THE FOOT) (BEFORE 05/22/2020, REQ 3) (PROTECTIVE WRAP ITEM 17)	1
28	143121	DUMMY PLUG MALE/FEM BULLET	1

Bumper, Strobe Lights (OPTION)

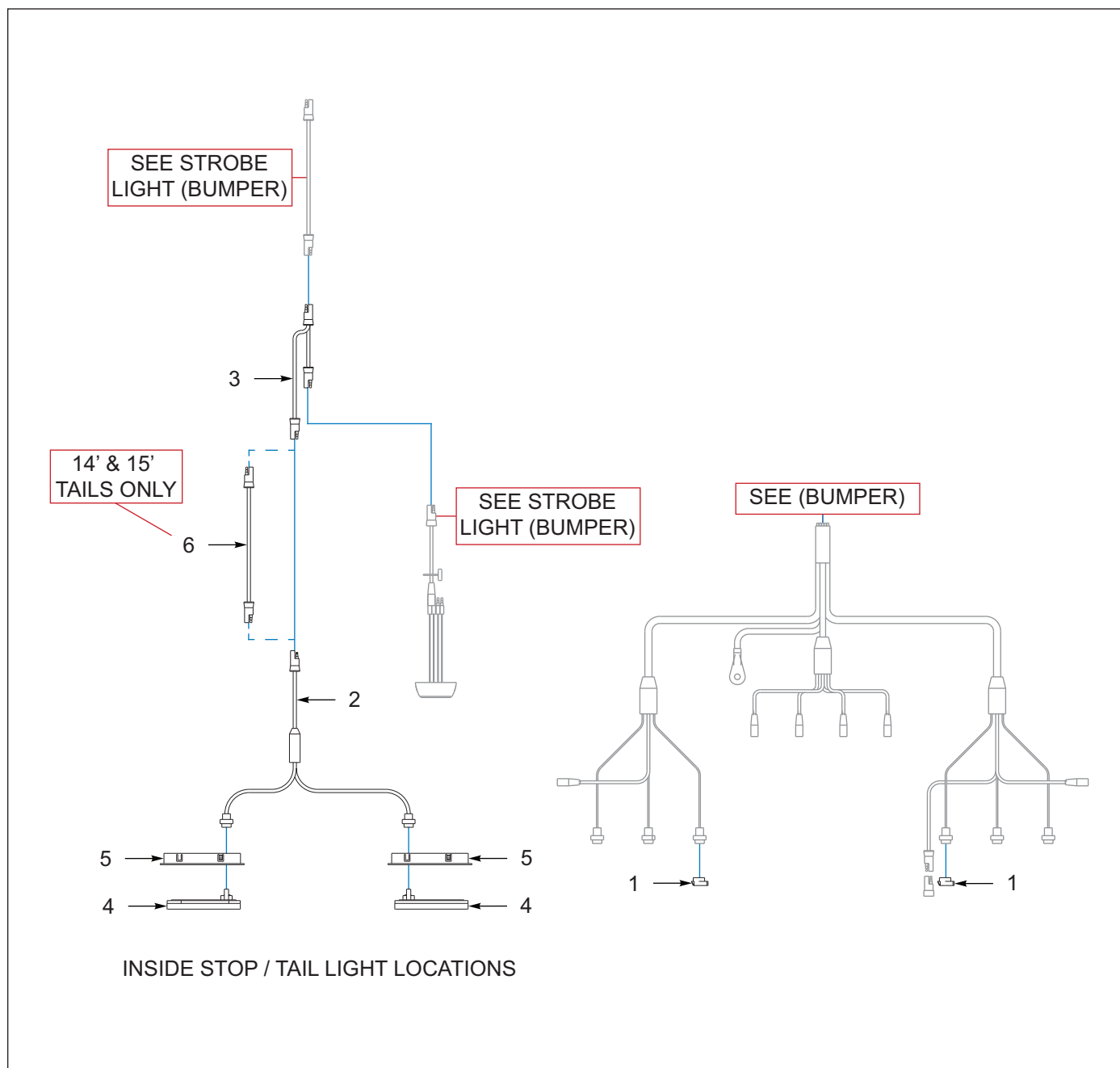


Figure 7-7: Bumper, Strobe Lights (OPTION)

Bumper, Strobe Lights (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	218635	STROBE INSTL BUMPER GROTE	--
1	144608	DUMMY PLUG FOR FEMALE PLUG	2
2	150114	HARNESS BUMPER STROBE GROTE	1
3	150118	HARNESS JUMPER BRANCH	1
4	187869	LIGHT STROBE YEL CLEAR LENS GR	2
5	213296	FLANGE CHROME FLAT OBLONG	2
6	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	1

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Anti-Lock Brakes, Wabco

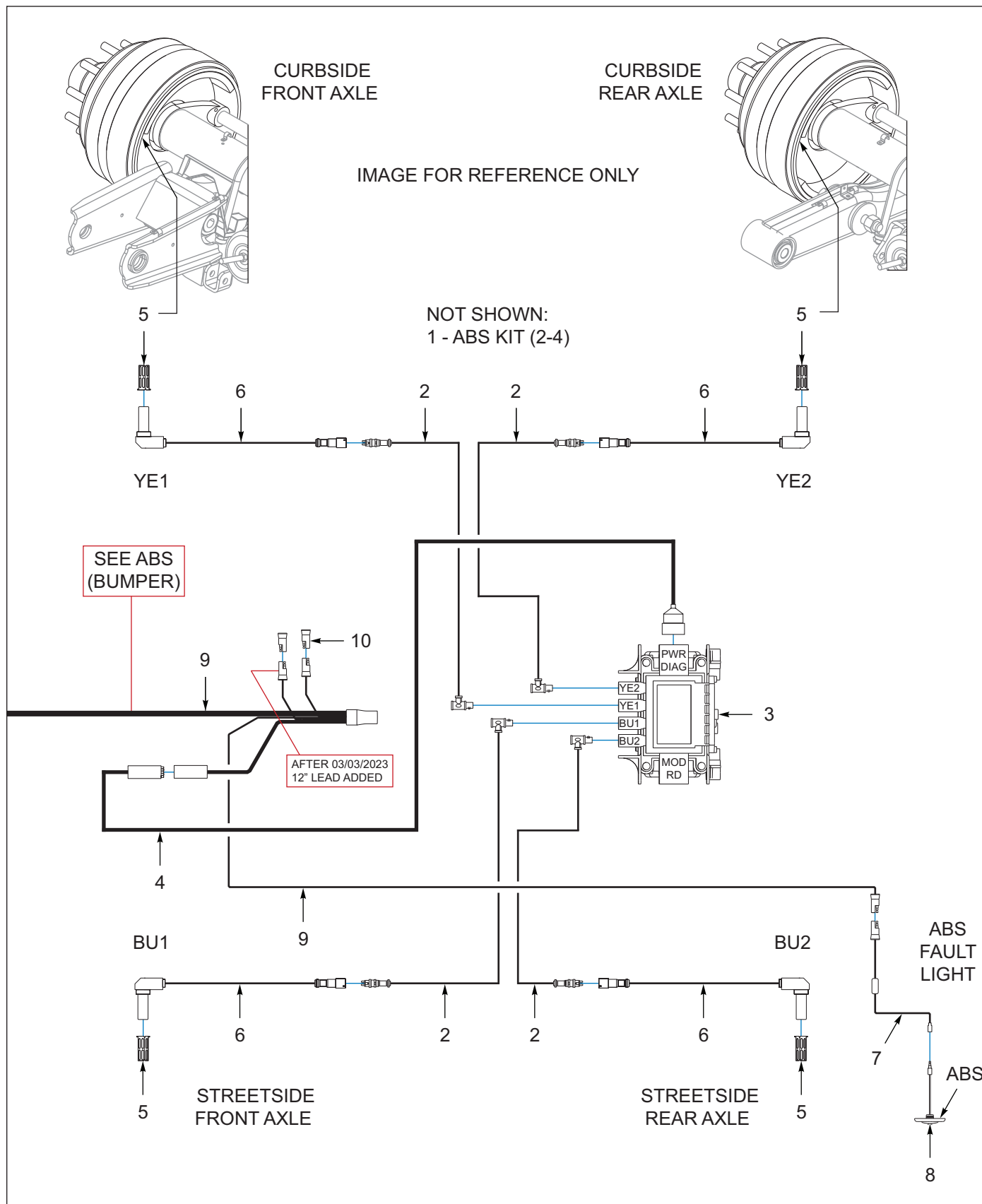


Figure 7-8: Anti-Lock Brakes, Wabco (1 of 2)

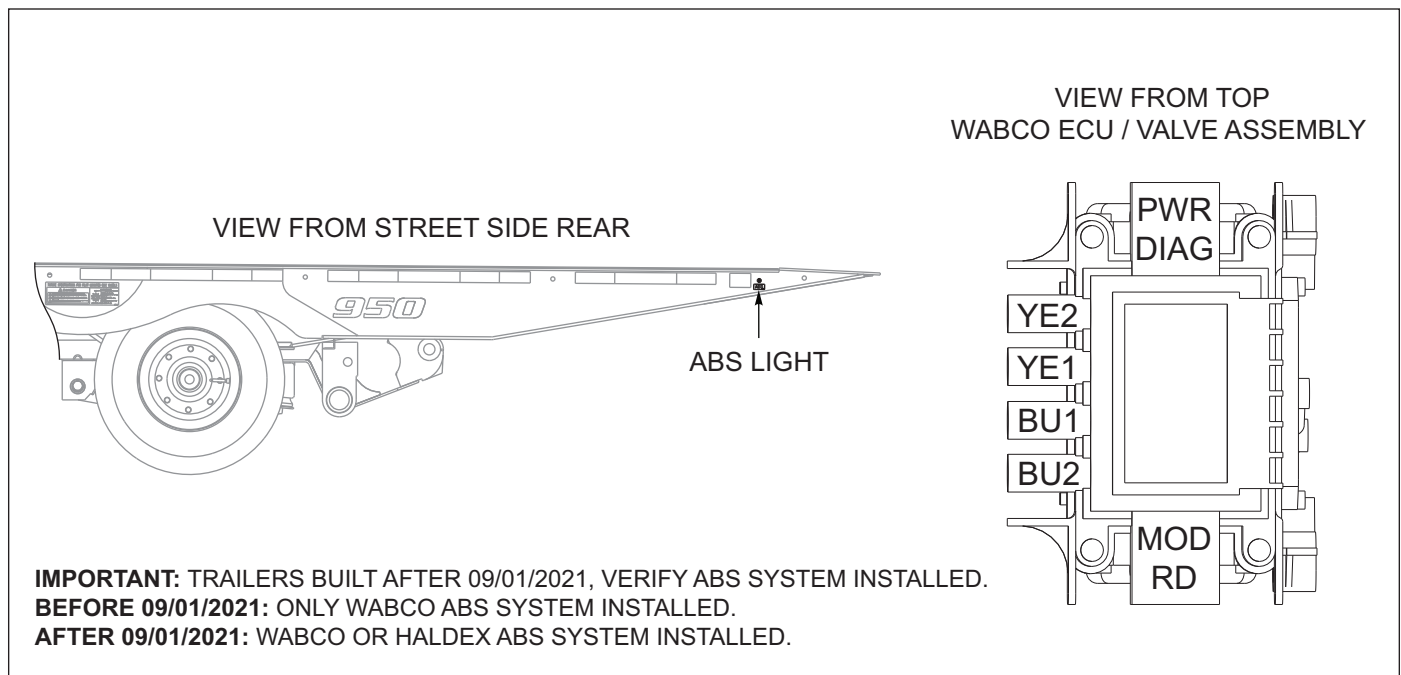


Figure 7-9: Anti-Lock Brakes, Wabco (2 of 2)

Anti-Lock Brakes, Wabco

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP 930E-12, 2512-77 (2 AXLE)	--
	215086	SUSP ASSY 950E-12 2512-77 (3 AXLE)	--
1	114584	ABS KIT WABCO 4S/2M TAB (1A - 2 AXLE - INCLUDES ITEMS 2A-4) (BEFORE 12/08/2021 - AFTER OBSOLETE USE 114586)	--
1	114586	ABS KIT WABCO 4S/2MTRI/SPREAD (1B - 2 & 3 AXLE - INCLUDES ITEMS 2B-4) (2 AXLE ABS AIR SYSTEM - SEE PAGE 6-3) (3 AXLE ABS AIR SYSTEM - SEE PAGE 6-7)	1
2	101848	SENSOR EXT. CABLE, 1.78M, ABS (2A, 2 AXLE - 70 INCH) (BEFORE 12/08/2021 - AFTER OBSOLETE USE 103861) (INCLUDED WITH ITEM 1A)	4
2	103861	SENSOR EXT CABLE-3M (10FT) (2B, 2 & 3 AXLE - 118 INCH) (INCLUDED WITH ITEM 1B)	4
3	114588	ECU/VALVE ASSEMBLY 4S/2M (INCLUDED WITH ITEMS 1A, 1B)	1
4	147464	POWER CABLE 4.0M (13' FOOT) (INCLUDED WITH ITEMS 1A, 1B)	1
5	101849	ABS SENSOR SPRING CLIP	4
6	101847	ABS SENSOR CABLE-.4M (1FT) (DRUM BRAKE AXLE) (1 FOOT)	4
6	220673	SENSOR ABS STRAIGHT IM CABLE (DISC BRAKE AXLE) (3 FEET)	4
7	187858	HARNESS ABS LAMP MICRONOVA (288 INCH - 7.3 M)	1
8	213297	LIGHT YEL CLEAR LENS MKR	1
9	143103	HARNESS ECHAIN GROTE (AFTER 03/03/2023, 12" LEAD ADDED)	1
10	143121	DUMMY PLUG MALE/FEM BULLET	2

Anti-Lock Brakes, Haldex

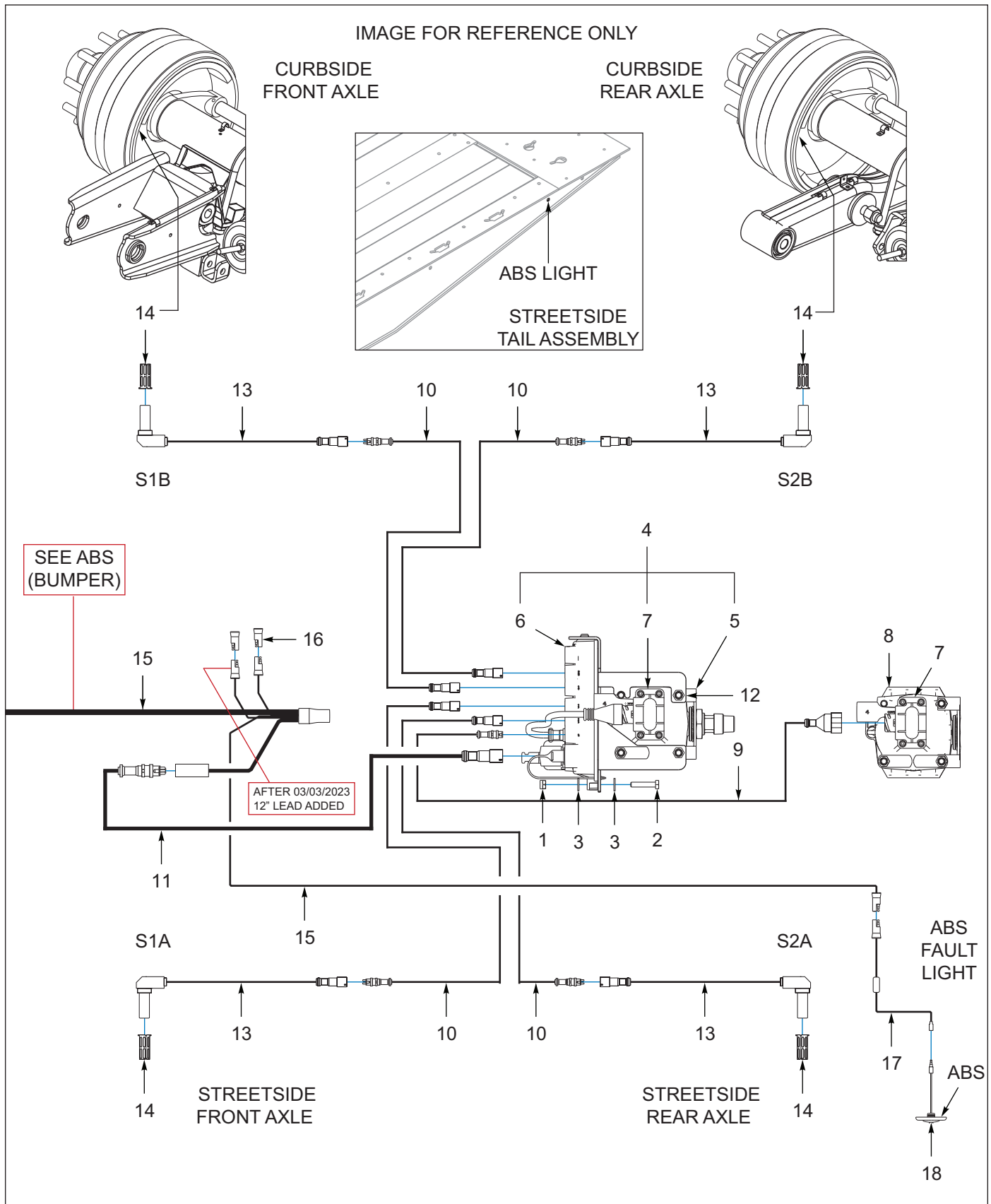


Figure 7-10: Anti-Lock Brakes, Haldex (1 of 2)

IMPORTANT: TRAILERS BUILT AFTER 09/01/2021,
VERIFY ABS SYSTEM INSTALLED.
BEFORE 09/01/2021: ONLY WABCO ABS SYSTEM INSTALLED.
AFTER 09/01/2021: WABCO OR HALDEX ABS SYSTEM INSTALLED.

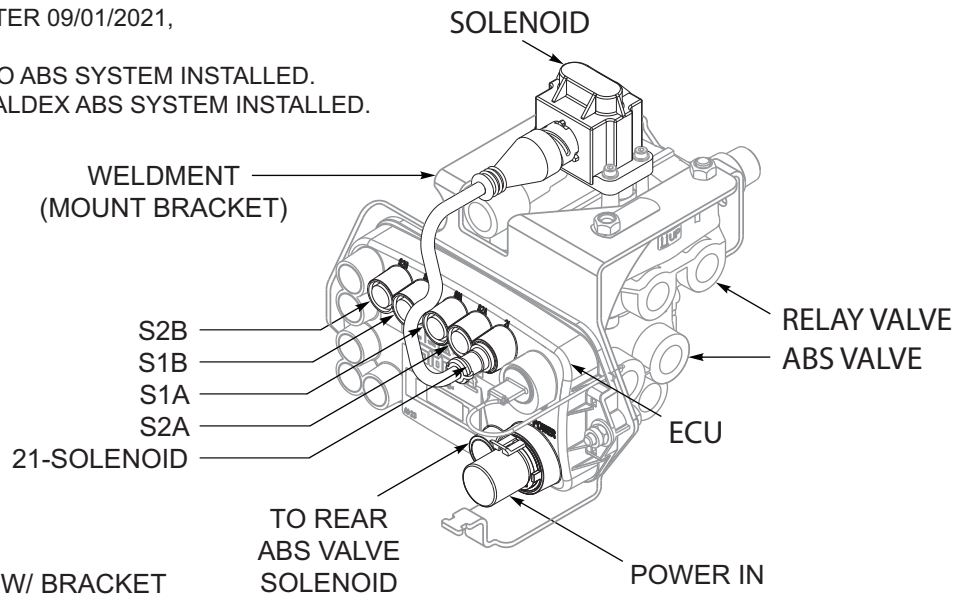


Figure 7-11: Anti-Lock Brakes, Haldex (2 of 2)

Anti-Lock Brakes, Haldex

ITEM	PART NUMBER	DESCRIPTION	QTY.
	232777	ABS KIT HALDEX 4S/2M TAN (2 AXLE)	--
	232784	ABS KIT HALDEX 4S/2M TRI/SPRD (3 AXLE)	--
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	1
2	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	1
3	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2
4	232778	ABS VALVE 4S/2M ECU HALDEX (2 AXLE - INCLUDES ITEMS 5-7, 11) (ABS AIR SYSTEM - SEE PAGE 6-5)	1
4	232849	ABS VALVE 4S/2M TRI ECU (3 AXLE - INCLUDES ABS VALVE & ITEMS 5-7, 11) (ABS AIR SYSTEM - SEE PAGE 6-9)	1
5	239691	ABS VALVE FFABS 2 SER/4SPG BK (2 AXLE - INCLUDED WITH ITEM 4) (ABS VALVE BODY WO/ ECU)	1
5	232850	ABS VALVE FFABS NO ECU (3 AXLE - INCLUDED WITH ITEM 4) (ABS VALVE BODY WO/ ECU)	1
6	240509	ECU ONLY HALDEX ABS (INCLUDED WITH ITEM 4) (AUTO PROGRAMS WHEN INSTALLED)	1
7	240510	SOLENOID KIT HALDEX ABS VALVE (INCLUDED WITH ITEM 4 & 8)	2
8	232779	RELAY VALVE ABS 12V HALDEX (INCLUDES ITEM 7)	1
9	232780	HARNESS RELAY VALVE ABS HALDEX	1
10	232782	SENSOR EXT. ABS 2M HALDEX (2 AXLE - 78 INCH)	4
10	232781	SENSOR EXT. ABS 3M HALDEX (3 AXLE - 118 INCH)	4
11	232783	CABLE ABS POWER 4M HALDEX (157 INCH BEFORE 12/19/2022)	1
11	235565	CABLE ABS POWER 2M HALDEX (78 INCH AFTER 12/19/2022)	1
12	232800	WLDMT HALDEX ABS ECU MOUNT (SOLD SEPARATLY)	1
13	101847	ABS SENSOR CABLE-.4M (1FT)	4
14	101849	ABS SENSOR SPRING CLIP	4
15	143103	HARNESS ECHAIN GROTE (AFTER 03/03/2023, 12" LEAD ADDED)	1
16	143121	DUMMY PLUG MALE/FEM BULLET	2
17	187858	HARNESS ABS LAMP MICRONOVA (288 INCH - 7.3 M)	1
18	213297	LIGHT YEL CLEAR LENS MKR	1

Bulkhead, Lights, Work (OPTIONS)

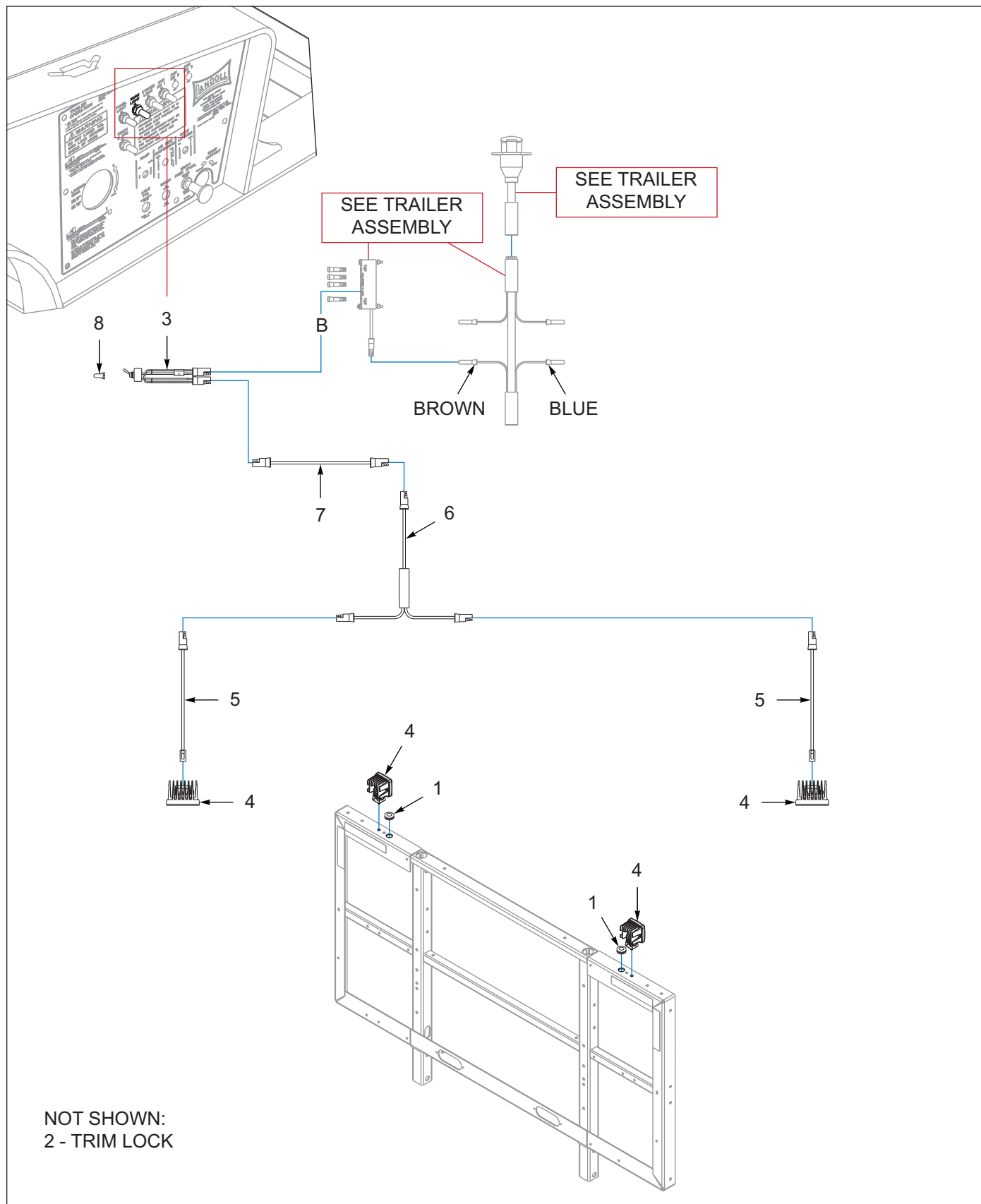


Figure 7-12: Bulkhead, Lights, Work (OPTIONS)

Bulkhead, Lights, Work (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191813	WORK LIGHT INSTL BULKHEAD (REF 1 - STANDARD DUTY)	--
	191814	WORK LIGHT INSTL BULKHEAD (REF 2 - HEAVY DUTY)	--
1	1-343-010006	GROMMET	2
2	1-822-010002	TRIM-LOK 3/16 (BY THE FOOT)	4
3	150117	SWITCH ASSY LIGHT GROTE	1
4	163996	LIGHT,12V SQUARE LED FLOOD	2
5	164052	HARNESS,60"BRANCH,WORK LIGHT	2
6	169853	HARNESS T PWR BRANCH	1
7	3-368-010252	HARNESS ASSY BKHD LIGHT EXT (REF 1 REQ 2 EACH) (REF 2 REQ 3 EACH)	--
8	81264	RUBBER BOOT FOR ELECT SWITCH	1

Bulkhead, Light Bar, Chain Rack (OPTIONS)

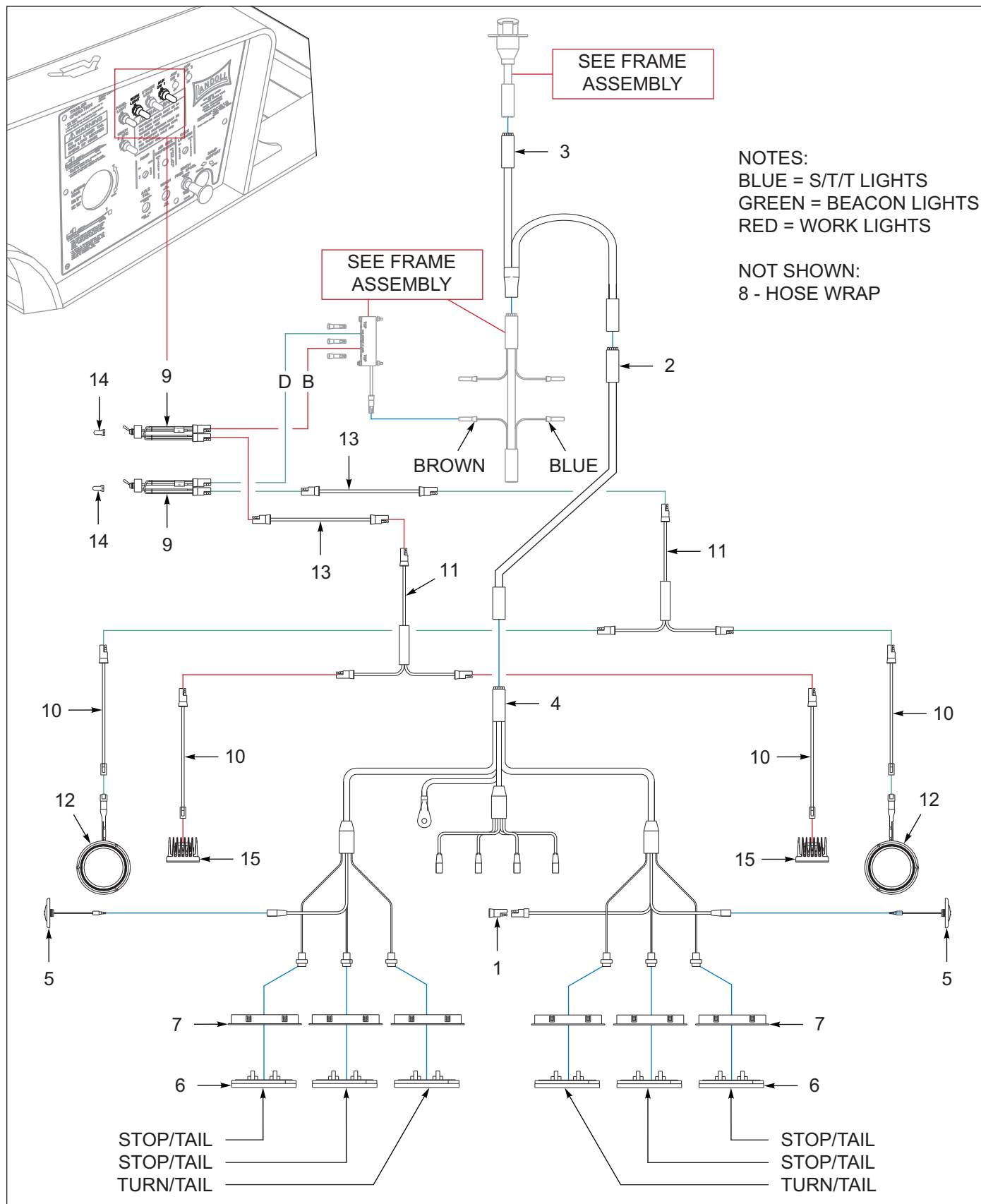


Figure 7-13: Bulkhead, Light Bar, Chain Rack (OPTIONS)

Bulkhead, Light Bar, Chain Rack (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214411	BLKHD CHN RK S/T/T ONLY (REF 1 - S/T/T LIGHTS)	--
	218129	BLKHD CHN RK S/T/T/BCN (REF 2 - S/T/T, BEACON LIGHTS)	--
	214409	BLKHD CHAIN RACK S/T/T/WL/BCN (REF 3 - S/T/T, BEACON, WORK LIGHTS)	--
	214410	BLKHD CHN RACK S/T/T/WL/BCN HD (REF 4 - S/T/T, BEACON, WORK LIGHTS, HEAVY DUTY)	--
	214407	BLKHD CHN RK S/T/T WL (REF 5 - S/T/T, WORK LIGHTS)	--
	214408	BLKHD CHN RK S/T/T WL HD (REF 6 - S/T/T, WORK LIGHTS, HEAVY DUTY)	--
1	143121	DUMMY PLUG MALE/FEM BULLET (REF 1-6)	1
2	143167	HARNESS EXT 84 IN GROTE (REF 1-6)	1
3	146929	HARNESS Y SPLITTER GROTE (REF 1-6)	1
4	187859	HARNESS BUMPER MICRONOVA GROTE (REF 1-6)	1
5	213297	LIGHT YEL CLEAR LENS MKR (REF 1-6) (INSTALLATION - SEE PAGE 2-13)	2
6	213295	LIGHT CLEAR LENS S/T/T (REF 1-6) (INSTALLATION - SEE PAGE 2-13)	6
7	213296	FLANGE CHROME FLAT OBLONG (REF 1-6)	6
8	43029	HOSE WRAP AEROQUIP 1/4 (BY THE FOOT) (REF 1-6) (USED TO WRAP ITEM 4)	3
9	150117	SWITCH ASSY LIGHT GROTE (REF 2, 5-6 REQ 1 EACH) (REF 3-4 REQ 2 EACH)	--
10	164052	HARNESS,60"BRANCH,WORK LIGHT (REF 2, 5-6 REQ 2 EACH) (REF 3-4 REQ 4 EACH)	--
11	169853	HARNESS T PWR BRANCH (REF 2, 5-6 REQ 1 EACH) (REF 3-4 REQ 2 EACH)	--
12	184501	STROBE BEACON DEUTSCH CONN (REF 2-4 REQ 2 EACH) (INSTALLATION - SEE PAGE 2-13)	2
13	3-368-010252	HARNESS ASSY BKHD LIGHT EXT (REF 2, 6 REQ 3 EACH) (REF 3 REQ 4 EACH) (REF 4 REQ 6 EACH) (REF 5 REQ 2 EACH)	--
14	81264	RUBBER BOOT FOR ELECT SWITCH (REF 2, 5-6 REQ 1 EACH) (REF 3-4 REQ 2 EACH)	--
15	163996	LIGHT,12V SQUARE LED FLOOD (REF 3-6) (INCLUDES MOUNTING HARDWARE AND RUBBER SHOCK) (INSTALLATION - SEE PAGE 2-13)	2

Remote Control Assembly, Wireless, Brand (OPTION)

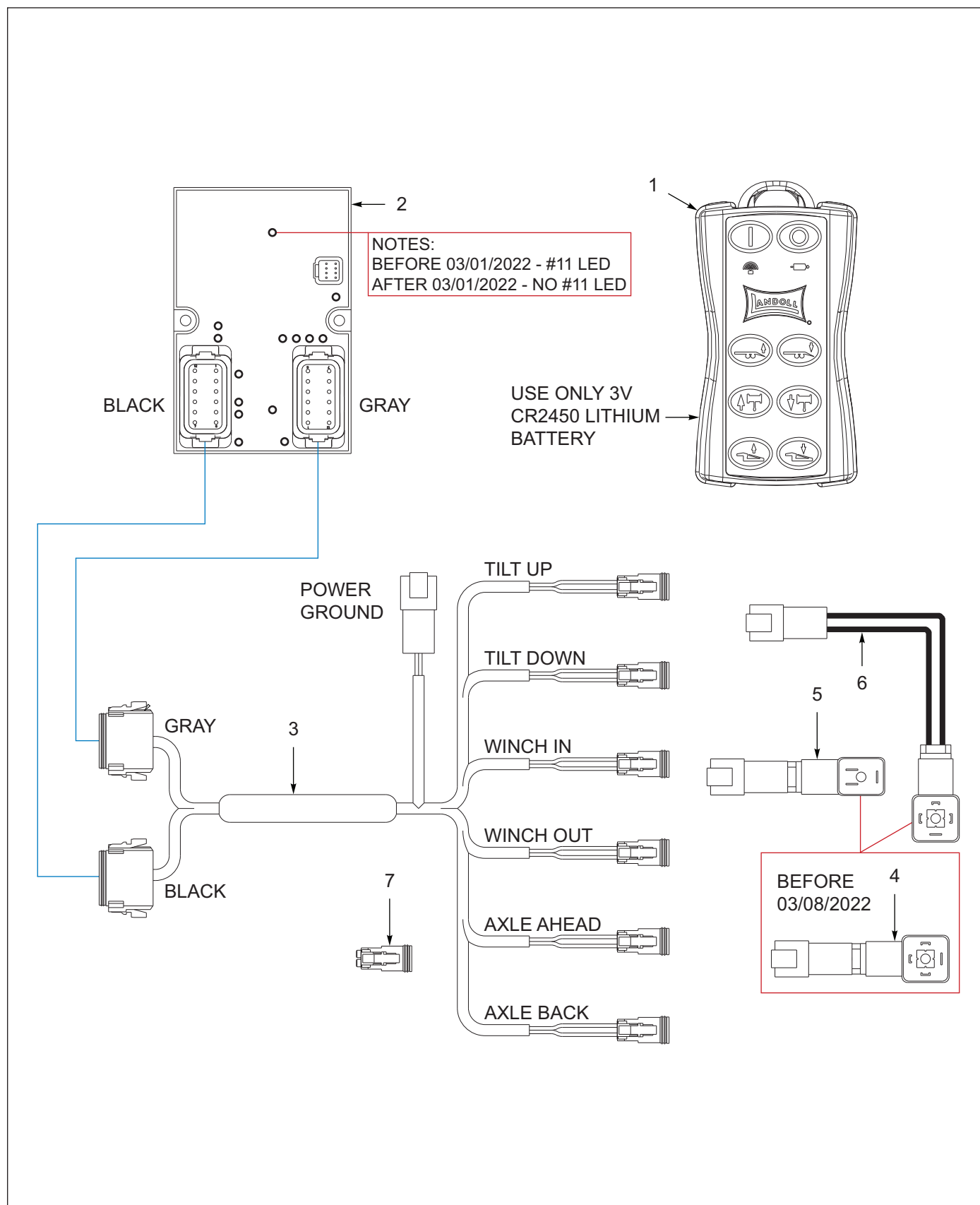


Figure 7-14: Remote Control Assembly, Wireless Brand (OPTION)

Remote Control Assembly, Wireless, Brand (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	213497	REMOTE KIT BRAND 6 FUNC 900 (INCLUDES ITEMS 1-3) (ELECTRICAL - SEE PAGE 7-1)	--
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) (BEFORE 03/08/2022) (AFTER REPLACED BY ITEMS 5-6)	6
5	220692	ADAPTER DIN46/2PIN DUTSCH (NOT INCLUDED) (AFTER 03/08/2022, REPLACED ITEM 4)	2
6	229494	ADAPTER DIN/2PIN DUTSCH 6IN (NOT INCLUDED) (AFTER 03/08/2022, REPLACED ITEM 4)	4
7	194407	PLUG ASSY DUMMY DEUTSCH 2 PIN (NOT INCLUDED)	--

Scale (OPTIONS) (SEE AIR SYSTEMS CHAPTER)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	175358	SCALE INSTL QUICKLOAD(TRAVEL) (BEFORE 3/31/2020 ELECTRICAL - SEE PAGE 6-17)	--
	226657	QUICKLOAD PLUS TRAV AX INSTL (AFTER 03/31/2020 ELECTRICAL - SEE PAGE 6-18)	--
	226661	LOADMAXX PLUS TRAV AX INSTL ELECTRICAL - SEE PAGE 6-18)	--
	170470	SCALE INSTALLATION, RIGHT WEIGH SYSTEM (NON-BLUETOOTH) (ELECTRICAL - SEE PAGE 6-19)	--
	205742	SCALE INSTALLATION, RIGHT WEIGH SYSTEM W/ BLUETOOTH (BLUETOOTH) (ELECTRICAL - SEE PAGE 6-19)	--

[illegible]

Swing Arm Light, Marker, Amber & Red (OPTION)

NOTE:

GRAY ITEMS = SEE FRAME ASSEMBLY (AFTER 02/15/2022)

RED ITEMS = SHARES HARNESS CONNECTION WITH SWING ARM LIGHT

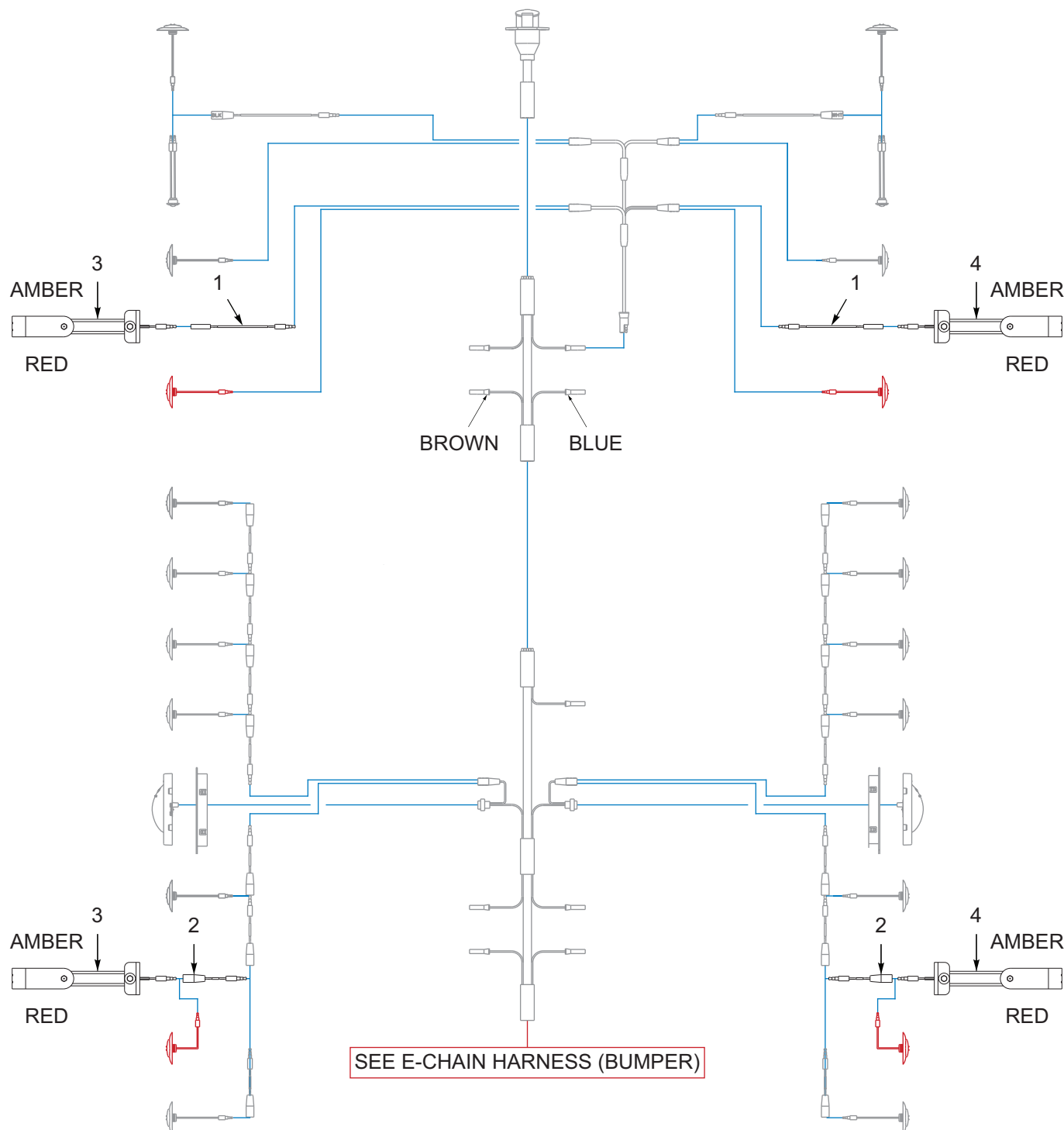


Figure 7-15: Swing Arm Light, Marker, Amber & Red (OPTION) (2 of 2)

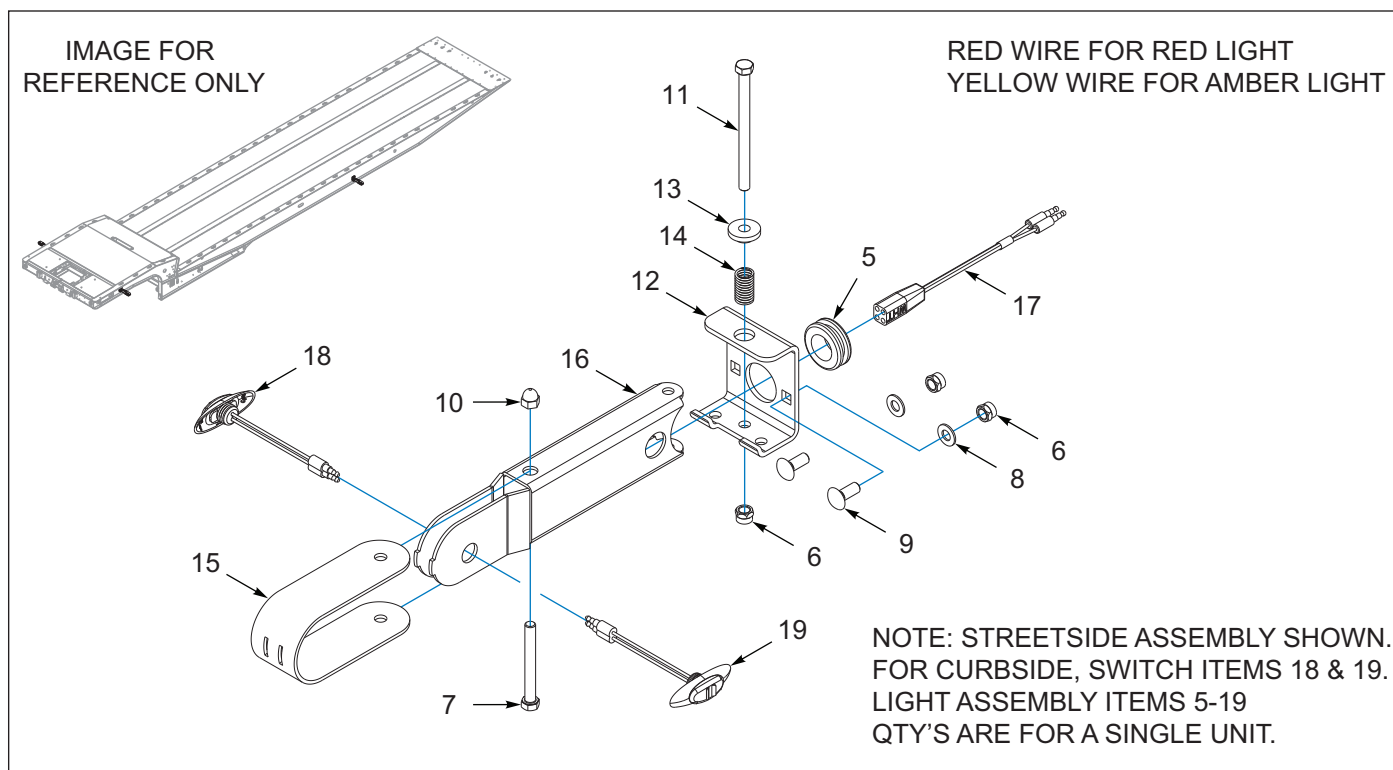


Figure 7-16: Swing Arm Light, Marker, Amber & Red (OPTION) (2 of 2)

Swing Arm Light, Marker, Amber & Red (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191557	LIGHTS,SWING-OUT MKR,LWR DK (REF 1, LOWER)	--
	191558	LIGHTS,SWING-OUT MKR,UPR DK (REF 2, UPPER)	--
	191559	LIGHTS,SWING-OUT MKR,UPR&LWRD (REF 3, UPPER & LOWER)	--
1	191569	HARNESS MARKER LAMP MICRONOVA (REF 2-3)	2
2	213290	HARNESS 6" MKR EXTENSION (REF 1 & 3)	2
3	191555	LIGHT ASSY,SWING-ARM MKR,ST (STREETSIDE) (REF 1-2 REQ 1 EACH) (REF 3 REQ 2 EACH)	--
4	191556	LIGHT ASSY,SWING-ARM MKR,CURB (CURBSIDE) (REF 1-2 REQ 1 EACH) (REF 3 REQ 2 EACH)	--
5	1-343-010007	GROMMET	1
6	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
7	1-654-010051-14	SCREW HX CP 3/8-16UNCX3-1/4G5	1
8	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	2
9	111276	SCREW RDHD SQNK 3/8-16X1 GR5	2
10	122154	NUT, HEX ACORN 3/8-16ZP	1
11	172882	SCREW HX CP 3/8-16UNCX5 GR5	1
12	176424	BRACKET MTG SWING-ARM LIGHT	1
13	176425	WASHER STEP	1
14	178389	SPRING, COMPRESSION SWINGARM	1
15	191552	GUARD SWING-OUT LIGHT	1
16	191554	SWING-ARM WLDMT MARKER LIGHT	1
17	191568	HARNESS MARKER LAMP MICRONOVA	1
18	213297	LIGHT YEL CLEAR LENS MKR	1
19	213298	LIGHT RED CLEAR LENS MKR	1

Swing Arm Light, Turn / Emergency, 4 In, Amber (OPTION)

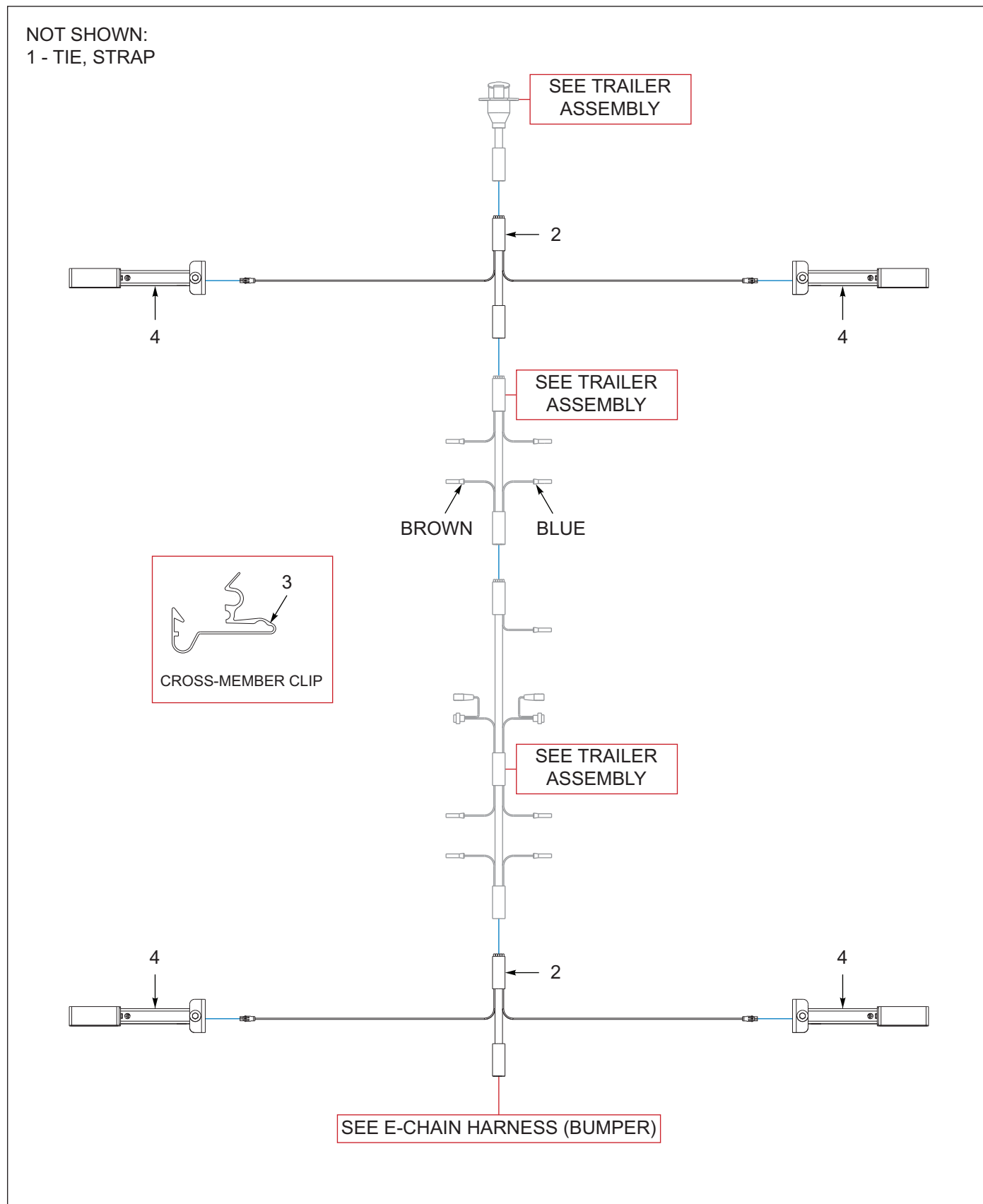


Figure 7-17: Swing Arm Light, Turn / Emergency, 4 In, Amber (OPTION) (1 of 2)

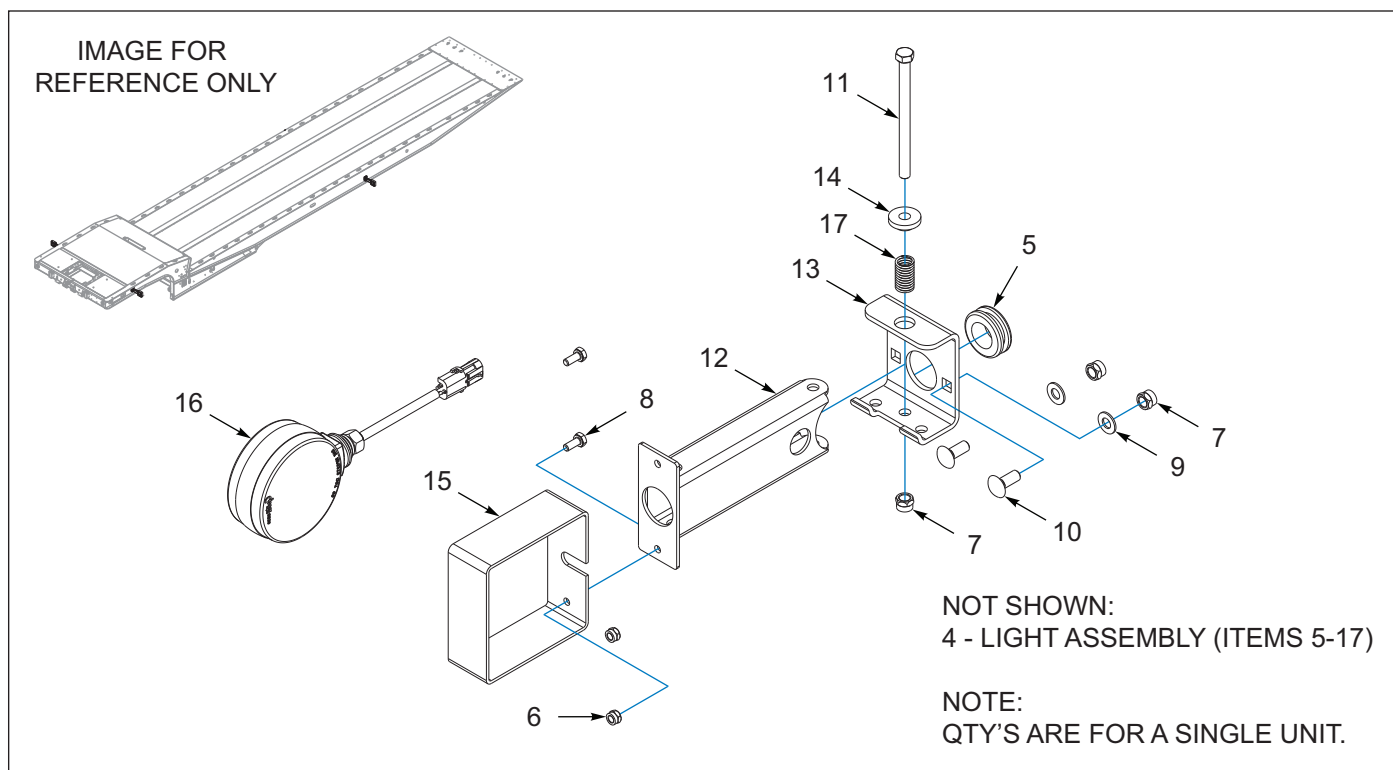


Figure 7-18: Swing Arm Light, Turn / Emergency, 4 In, Amber (OPTION) (2 of 2)

Swing Arm Light, Turn / Emergency, 4 In Amber (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	179085	INSTL, SWING-OUT LTS UPR&LWR D (REF 1, UPPER & LOWER)	--
	179088	INSTL, SWING-OUT LTS, UPR DK (REF 2, UPPER)	--
	179089	INSTL, SWING-OUT LTS, LWR DK (REF 3, LOWER)	--
1	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 (REF 1 REQ 24 EACH) (REF 2-3 REQ 12 EACH)	--
2	176432	HARNESS, JUMPER, EMERGENCY FLA (REF 1 REQ 2 EACH) (REF 2-3 REQ 1 EACH)	--
3	187833	CLIP HARNESS, CROSS-MEMBER (REF 1 REQ 44 EACH) (REF 2-3 REQ 22 EACH)	--
4	176420	LIGHT ASSY SWING-ARM (INCLUDES ITEMS 5-17) (REF 1 REQ 4 EACH) (REF 2-3 REQ 2 EACH)	--
5	1-343-010007	GROMMET	1
6	1-512-010005-01	NUT, HEX, SLFLKG GRB 1/4-20	2
7	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
8	1-654-010047-03	SCREW, HEX 1/4-20UNCX5/8	2
9	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	2
10	111276	SCREW RDHD SQNK 3/8-16X1 GR5	2
11	172882	SCREW HX CP 3/8-16UNCX5 GR5	1
12	176421	SWING-ARM WLDMT LIGHT	1
13	176424	BRACKET MTG SWING-ARM LIGHT	1
14	176425	WASHER STEP	1
15	176440	MOUNT/GUARD PEDESTAL LIGHT	1
16	178384	LIGHT YEL LED 4IN DOUBLE FACE	1
17	178389	SPRING, COMPRESSION SWINGARM	1

Tire Inflation (OPTION) (SEE AIR SYSTEMS CHAPTER)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223304	2 AXLE TIS TRAVELING AXLE (TIRE INFLATION ELECTRICAL SYSTEM & COMPONENTS - SEE PAGE 6-35)	--
	223306	3 AXLE TIS TRAVELING AXLE (TIRE INFLATION ELECTRICAL SYSTEM & COMPONENTS - SEE PAGE 6-35)	--

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Upper Deck, Slope, Work Lights (OPTION)

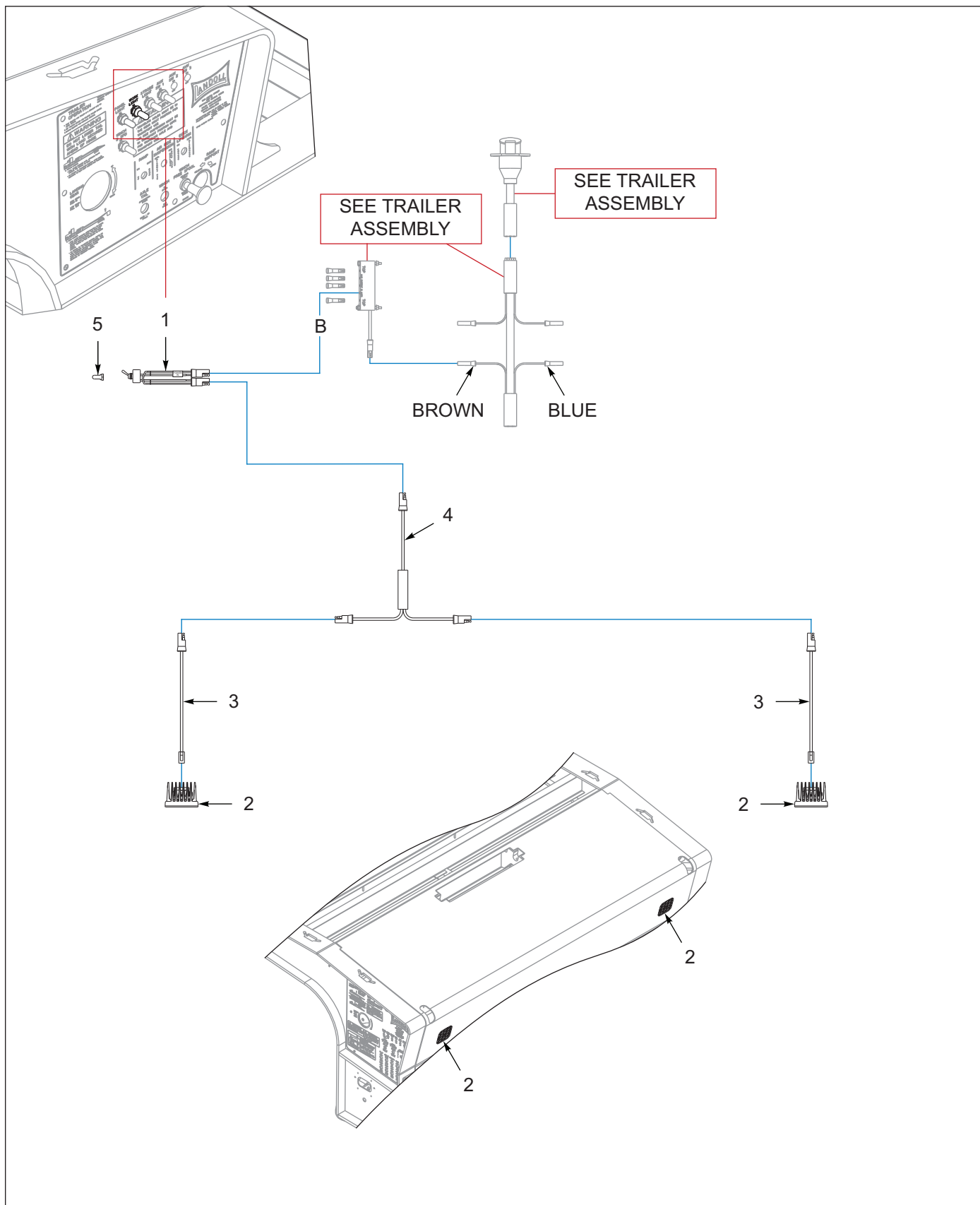


Figure 7-19: Upper Deck, Slope, Work Lights (OPTION)

Upper Deck, Slope, Work Lights (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212392	LIGHT INSTL G/N U/D SLOP	- -
1	150117	SWITCH ASSY LIGHT GROTE	1
2	163996	LIGHT,12V SQUARE LED FLOOD	2
3	164052	HARNESS,60"BRANCH,WORK LIGHT	2
4	169853	HARNESS T PWR BRANCH	1
5	81264	RUBBER BOOT FOR ELECT SWITCH	1

Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

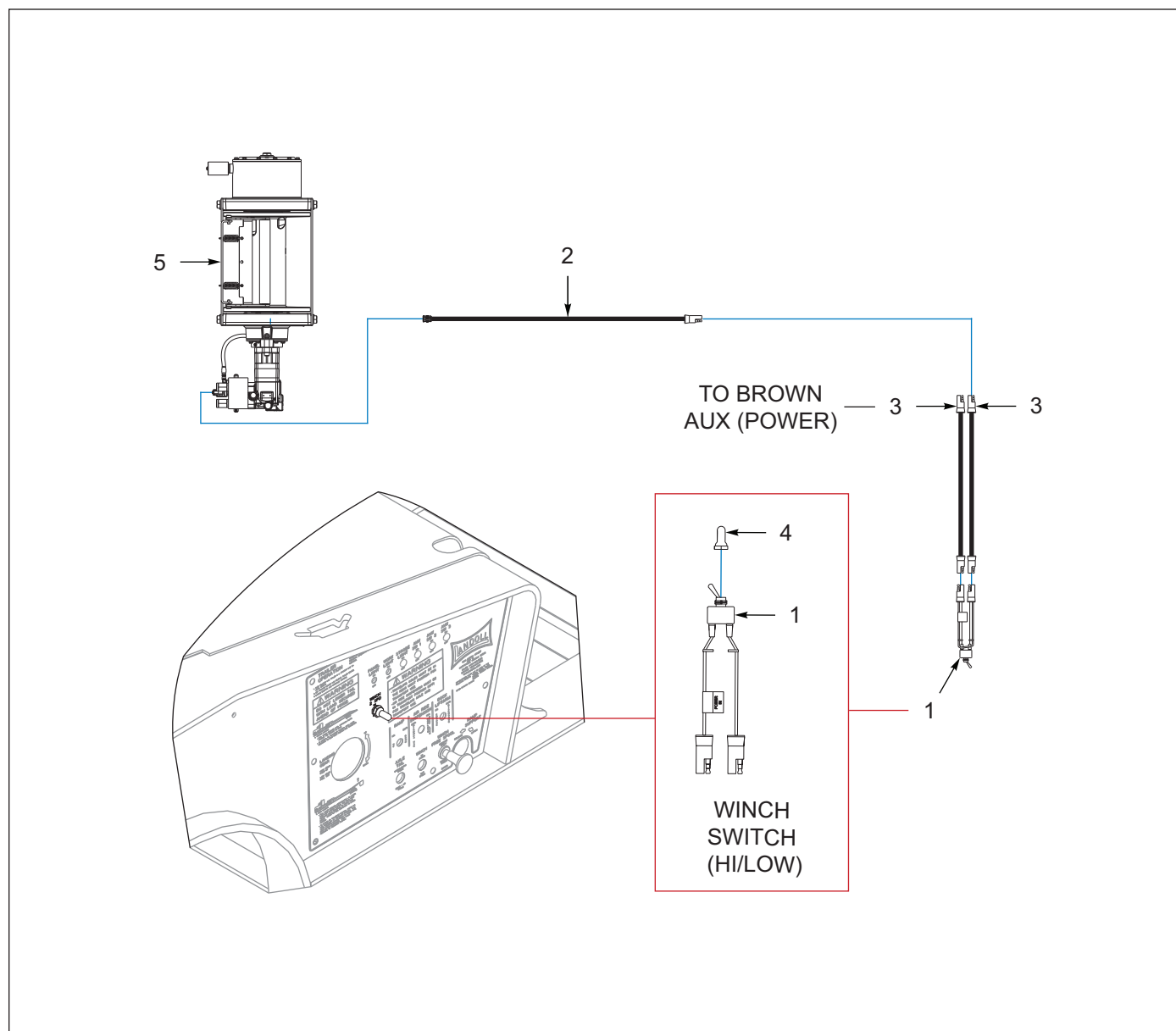


Figure 7-20: Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240559	WINCH INSTL 20K BRADEN 2SP 900 (20K)	--
	242682	WINCH INSTL 30K BRADEN 2SP 900 (30K)	--
1	150117	SWITCH ASSY LIGHT GROTE	1
2	164053	HARNESS, 102" BRANCH, WORK LIGHT	1
3	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
4	81264	RUBBER BOOT FOR ELECT SWITCH (12412330)	1
5	239740	WINCH 20K BRADEN 2 SPEED (20K COMPONENTS - SEE PAGE 11-31)	1
5	239745	WINCH 30K BRADEN 2 SPEED (30K COMPONENTS - SEE PAGE 11-35)	1

Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

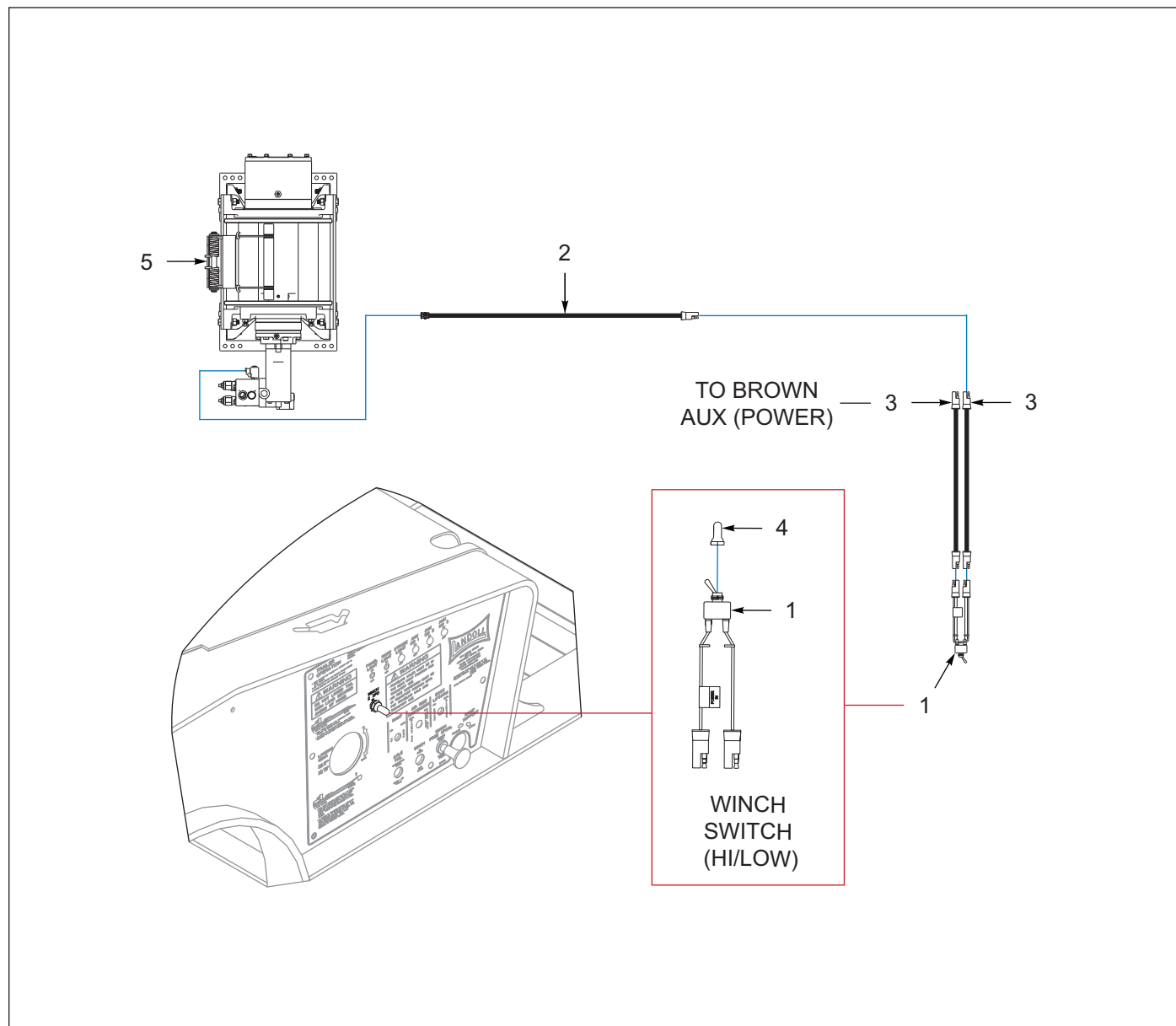


Figure 7-21: Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240546	WNCH INSTL 20KRAMSEY2SP 900STD (20K)	--
	242684	WNCH INST 30KRAMSEY2SPD 900STD (30K)	--
1	150117	SWITCH ASSY LIGHT GROTE	1
2	164053	HARNESS,102"BRANCH,WORK LIGHT	1
3	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
4	81264	RUBBER BOOT FOR ELECT SWITCH (12412330)	1
5	240526	WINCH 20K RAMSEY 2 SPEED (20K COMPONENTS - SEE PAGE 11-39)	1
5	240528	WINCH 30K RAMSEY 2 SPEED (30K COMPONENTS - SEE PAGE 11-43)	1

Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

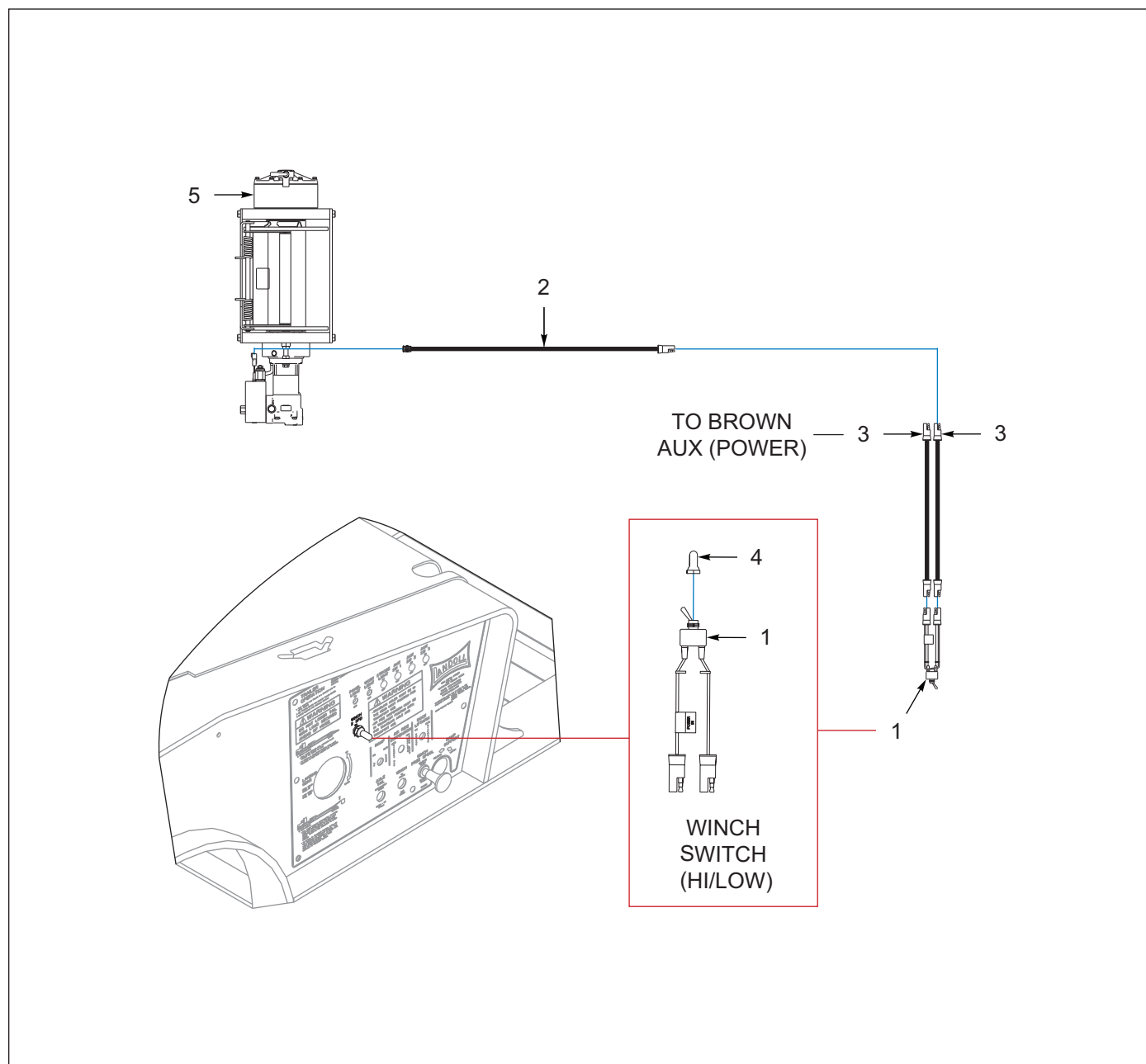


Figure 7-22: Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178383	WINCH INSTL 20KWARN 2SP 900STD (20K)	--
	204664	WINCH 30K WARN 2 SPD AIR 900 (30K)	--
1	150117	SWITCH ASSY LIGHT GROTE	1
2	164053	HARNESS,102"BRANCH,WORK LIGHT	1
3	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
4	81264	RUBBER BOOT FOR ELECT SWITCH (12412330)	1
5	174553	WINCH ASSY WARN 20K (ASSEMBLY - SEE PAGE 11-19)	1
5	174552	WINCH ASSY WARN 30K (ASSEMBLY - SEE PAGE 11-19)	1

Winch Work Lights (OPTIONS)

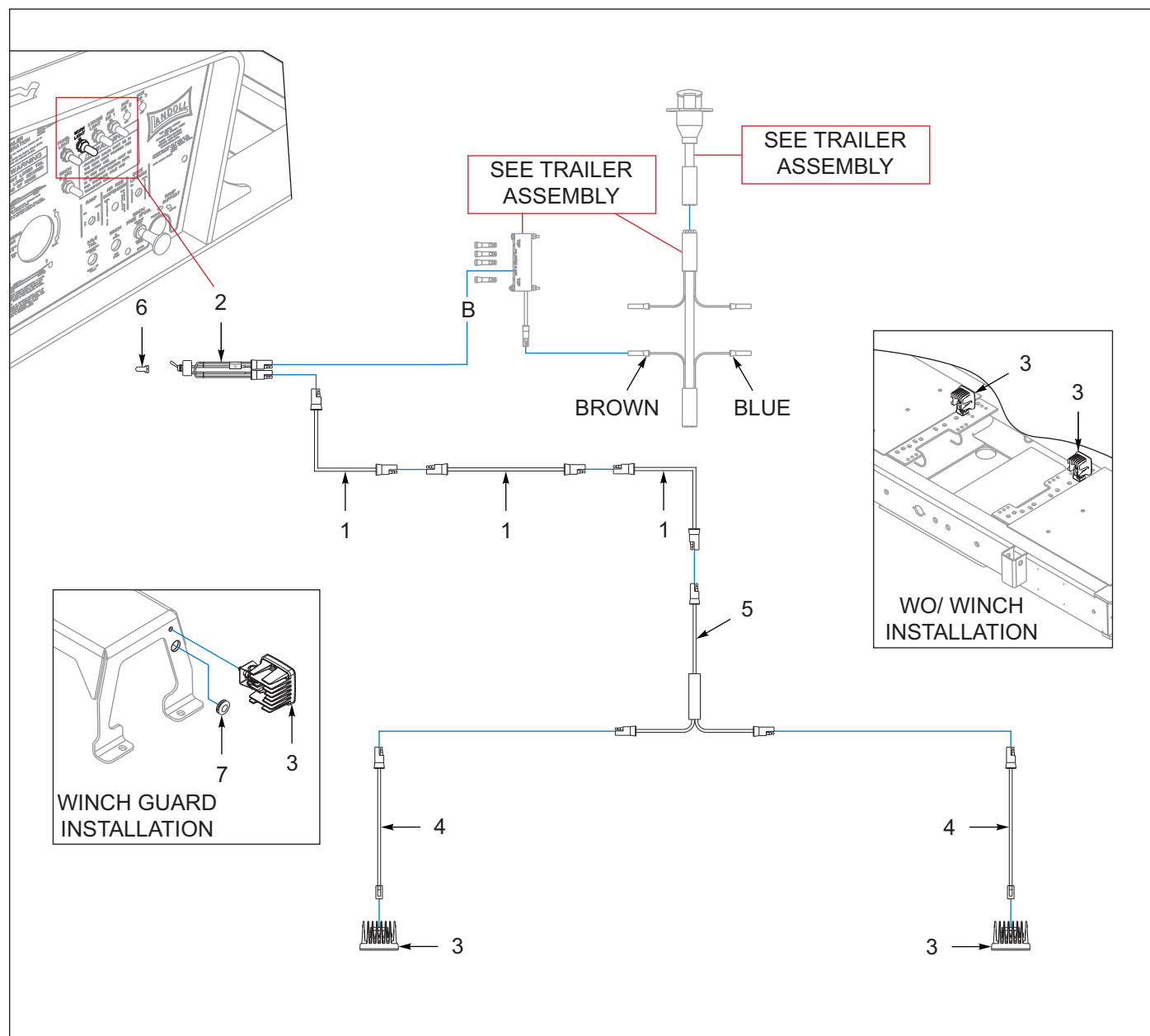


Figure 7-23: Winch Work Lights (OPTION)

Winch Work Lights (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	191833	LIGHT INSTL WORK WINCH	-
	3-368-010252	HARNESS ASSY BKHD LIGHT EXT (BEFORE 02/15/2022, REQ 1 FROM SWITCH & 150093 HARNESS)	3
2	150117	SWITCH ASSY LIGHT GROTE	1
3	163996	LIGHT,12V SQUARE LED FLOOD	2
4	164052	HARNESS,60"BRANCH,WORK LIGHT	2
5	169853	HARNESS T PWR BRANCH	1
6	81264	RUBBER BOOT FOR ELECT SWITCH (12412330)	1
7	1-343-010011	GROMMET 3/8 (USED ONLY WITH WINCH GUARD)	2

Grease Systems

Drum Brakes, 2 Axle (Before 11/07/2018)

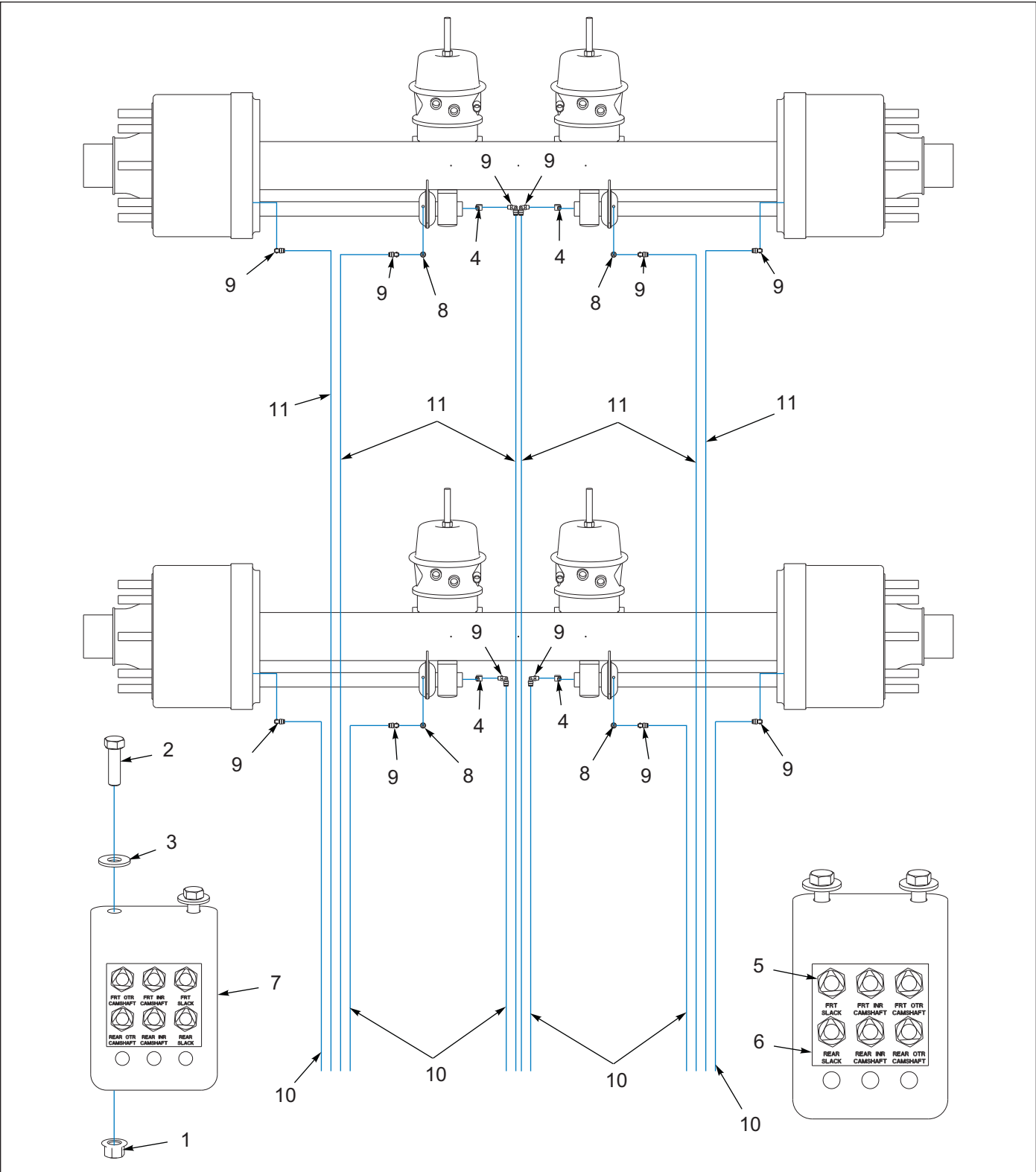


Figure 8-1: Drum Brakes, 2 Axle (Before 11/07/2018)

Drum Brakes, 2 Axle (Before 11/07/2018)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP ASSY 930E-12 2512-77 (12', 14', 15')	- -
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	142545	NUT 7/16 FOR BULKHEAD	12
6	142553	DECAL, GREASE TRL U/C	2
7	143649	BRACKET BULKHEAD GREASE LINE	2
8	202094	ADAPTER 5/16--18X1/8NPT(F)	4
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

Drum Brakes, 2 Axle (After 11/07/2018 - Before 08/31/2020)

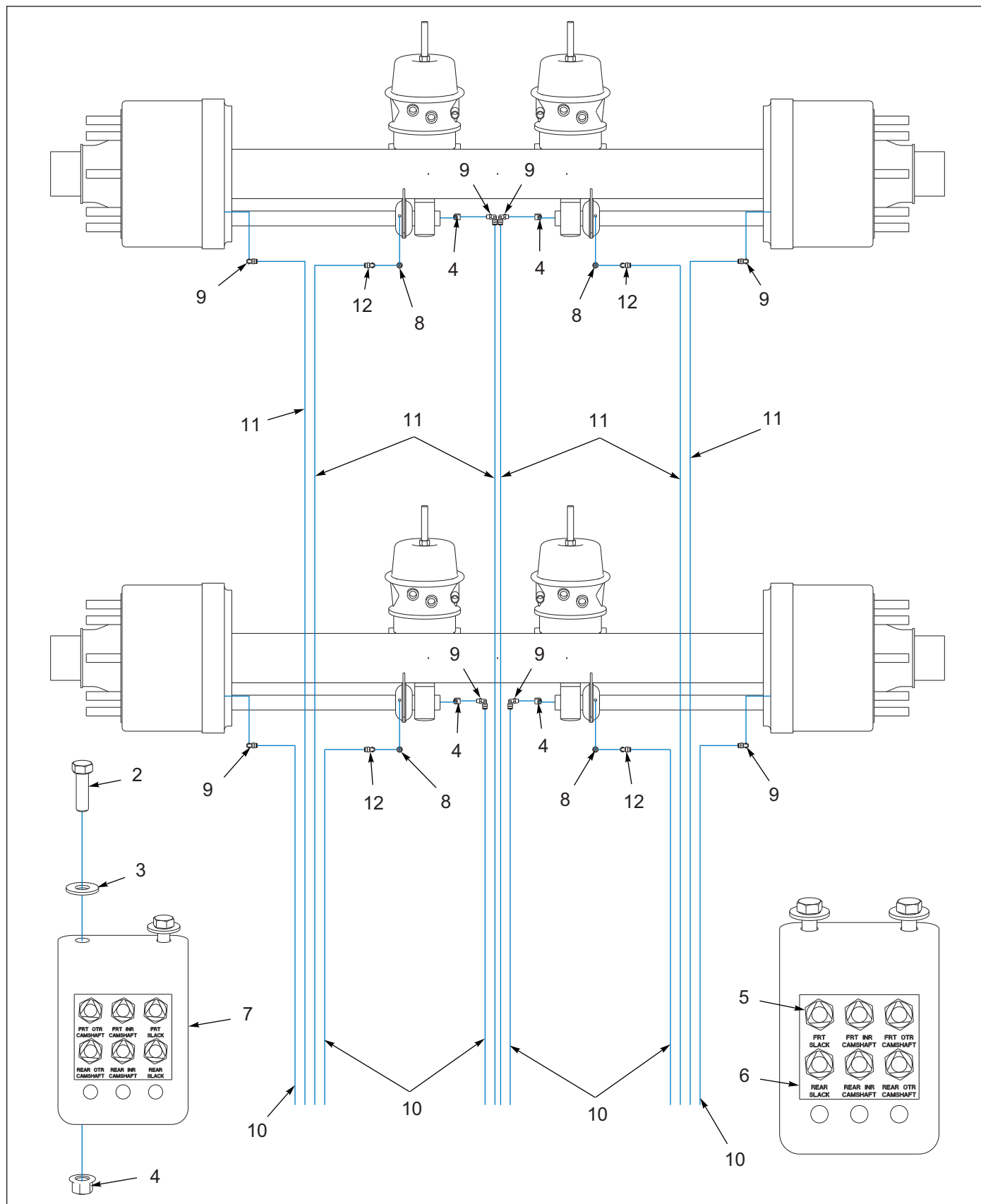


Figure 8-2: Drum Brakes, 2 Axle (After 11/07/2018 - Before 08/31/2020)

Drum Brakes, 2 Axle (After 11/07/2018 - Before 08/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214499	SUSP ASSY 930E-12 2512-77 (12', 14', 15')	- -
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	142545	NUT 7/16 FOR BULKHEAD	12
6	142553	DECAL, GREASE TRL U/C	2
7	143649	BRACKET BULKHEAD GREASE LINE	2
8	202094	ADAPTER 5/16--18X1/8NPT(F)	4
9	202099	FITTING GREASE 90 SWIV PTC 1/8	8
10	202103	HOSE ASSY GREASE 1/8 X 45	6
11	202111	HOSE ASSY GREASE 1/8 X 102	6
12	216599	FITTING,GREASE 1/4 TUBE X 1/8	4

Drum Brakes, 2 Axle (After 08/31/2020)

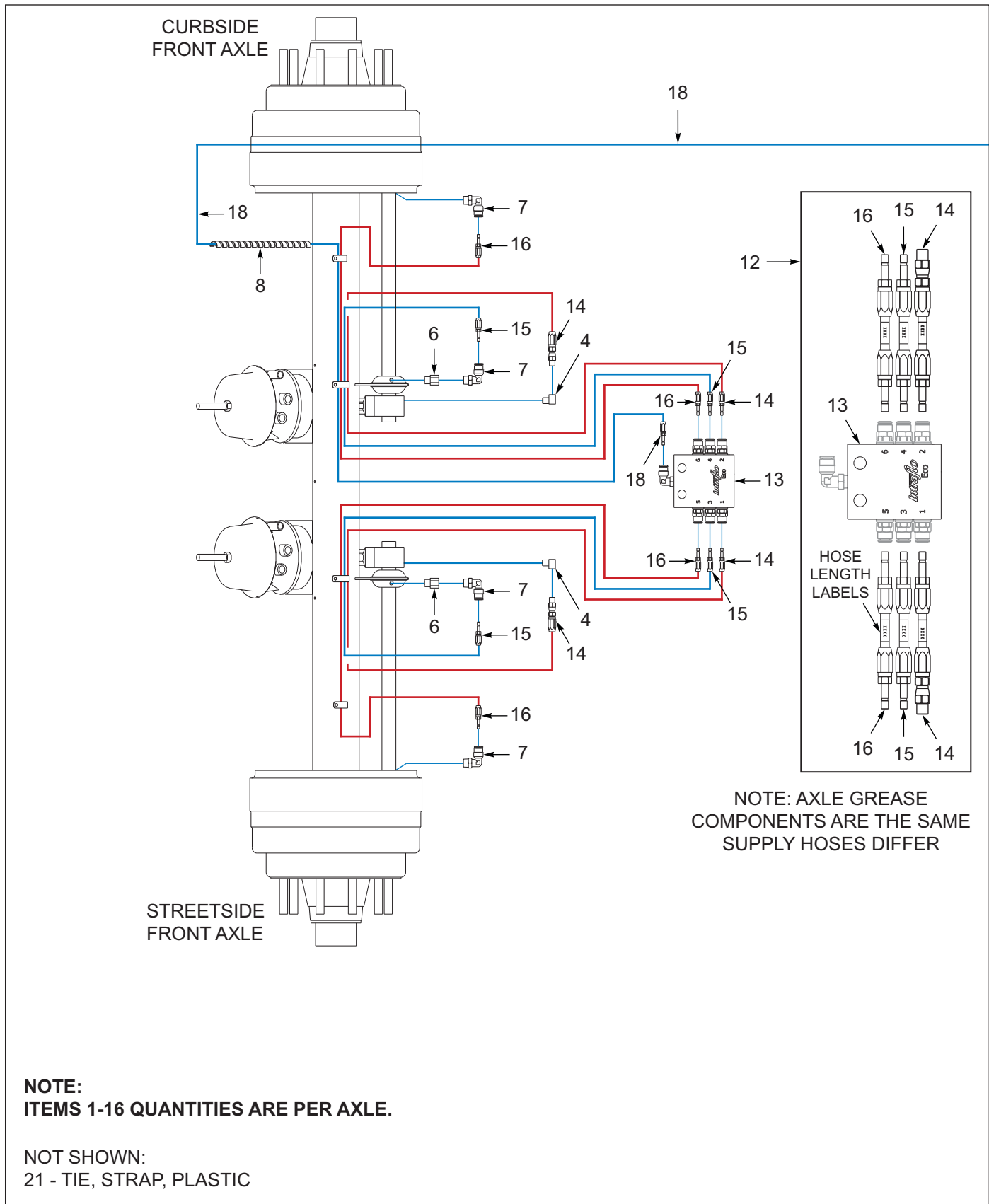


Figure 8-3: Drum Brakes, 2 Axle (After 08/31/2020) (1 of 3)

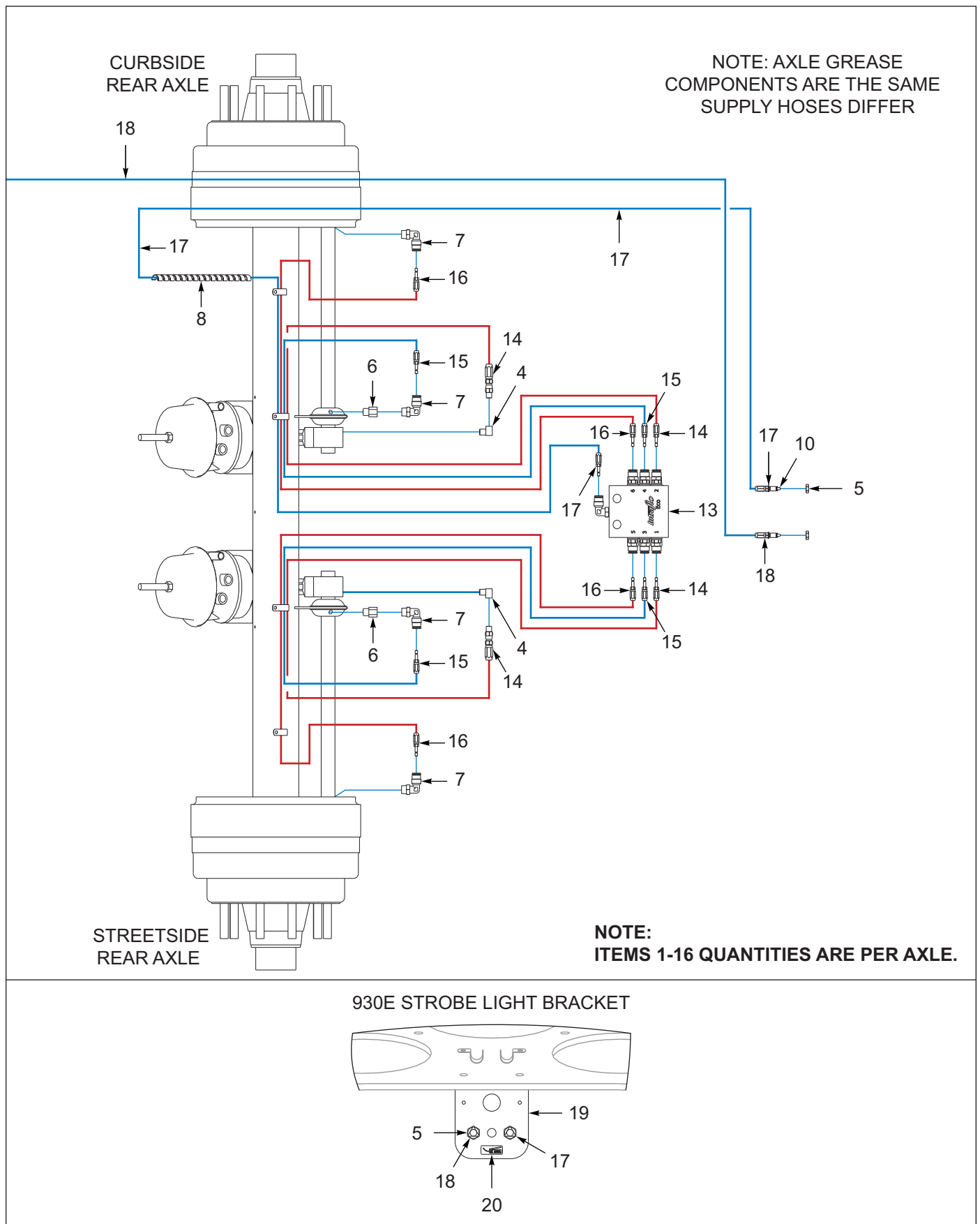


Figure 8-4: Drum Brakes, 2 Axle (After 08/31/2020) (2 of 3)

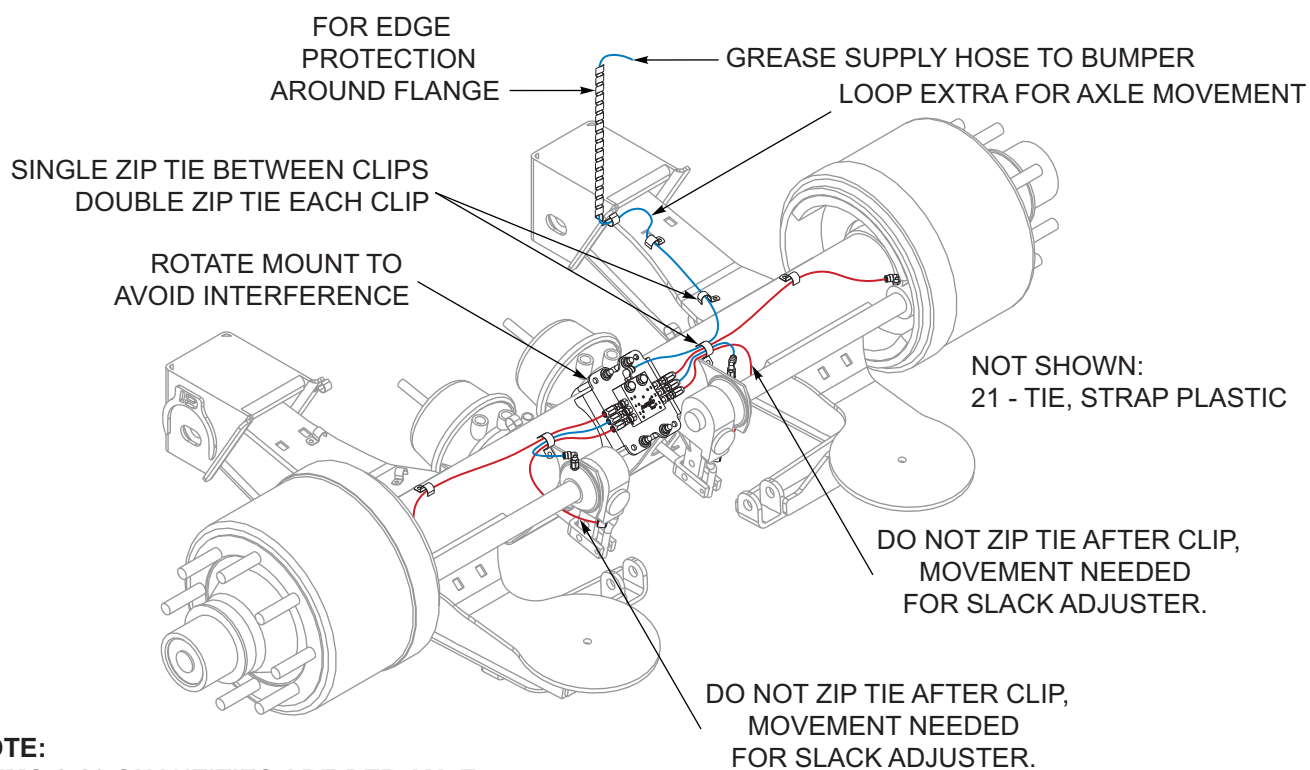
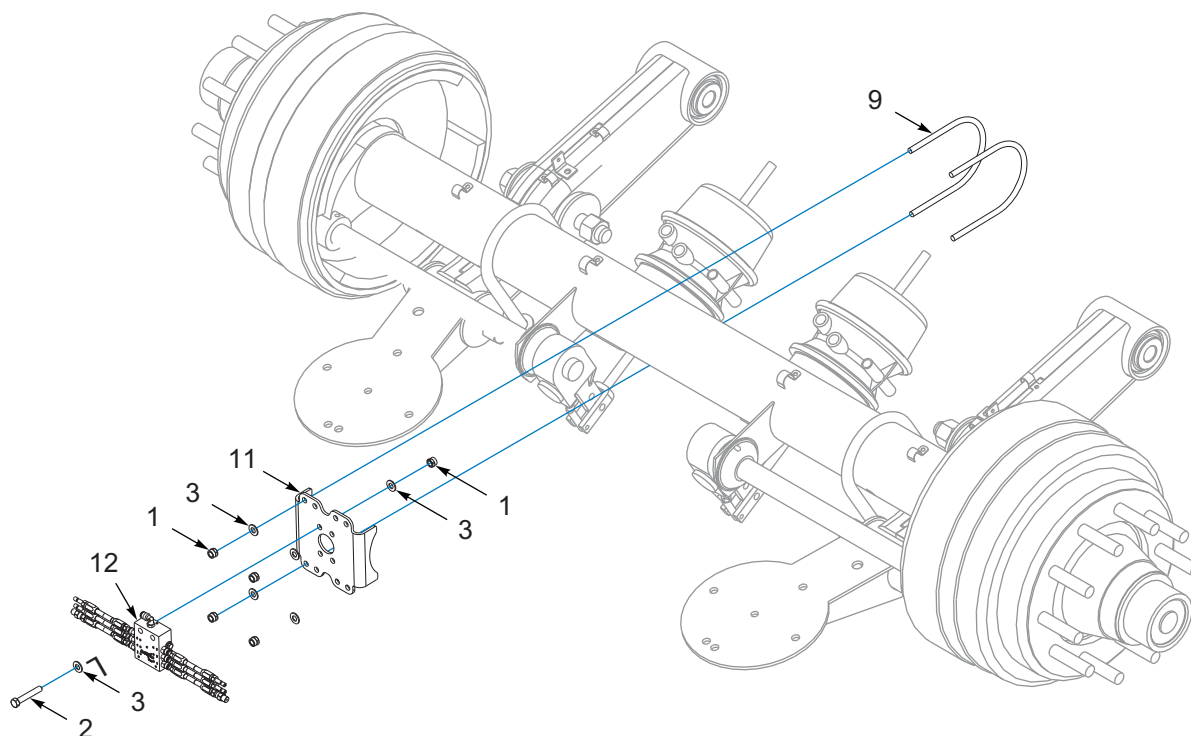


Figure 8-5: Drum Brakes, 2 Axle (After 08/31/2020) (3 of 3)

Drum Brakes, 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	6
2	1-654-010051-10	SCREW,HX CP3/8-16X2-1/4 GR5	2
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	8
4	101528	ELBOW,BRASS PIPE STREET	2
5	142545	NUT 7/16 FOR BULKHEAD	1
6	202094	ADAPTER 5/16- -18X1/8NPT(F)	2
7	202099	FITTING GREASE 90 SWIV PTC 1/8	4
8	212785	SPIRAL LOOM, 1/2" BLACK (BY THE FOOT)	1
9	222479	U-BOLT 3/8-16X5X6-3/4X2" T ZP	2
10	1-298-010001-1	ZERK FITTING 1/4 SAE (INCLUDED WITH ITEMS 17-18)	1
11	224325	MOUNT BOLT-ON AXLE GREASE VLV	1
12	229177	VALVE AXLE GREASE ASM 22-16-28 (KIT INCLUDES ITEMS 13-16)	1
13	224304	VALVE AXLE GREASE DIVIDER (NON-REPAIRABLE, INCLUDES ALL FITTINGS, FITTINGS NOT SOLD SEPARATELY) (INCLUDED WITH ITEM 12)	1
14	225770	HOSE ASSY GREAST 1/8" X 22" (PORTS 1 & 2) (INCLUDED WITH ITEM 12)	2
15	229178	HOSE ASSY GREASE 1/8" X 16" (PORTS 3 & 4) (INCLUDED WITH ITEM 12)	2
16	229182	HOSE ASSY GREASE 1/8" X 28" (PORTS 5 & 6) (INCLUDED WITH ITEM 12)	2
17	202111	HOSE ASSY GREASE 1/8 X 102 (REAR AXLE) (INCLUDES ITEM 10, 1 EACH)	1
18	202118	HOSE ASSY GREASE 1/8 X 156 (FRONT AXLE) (INCLUDES ITEM 10, 1 EACH)	1
19	225884	BRACKET U/C STRB/GRSE BULKHEAD	1
20	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
21	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 (BY THE LB) (NOT SHOWN)	--

Drum Brakes, 3 Axle (Before 11/07/2018)

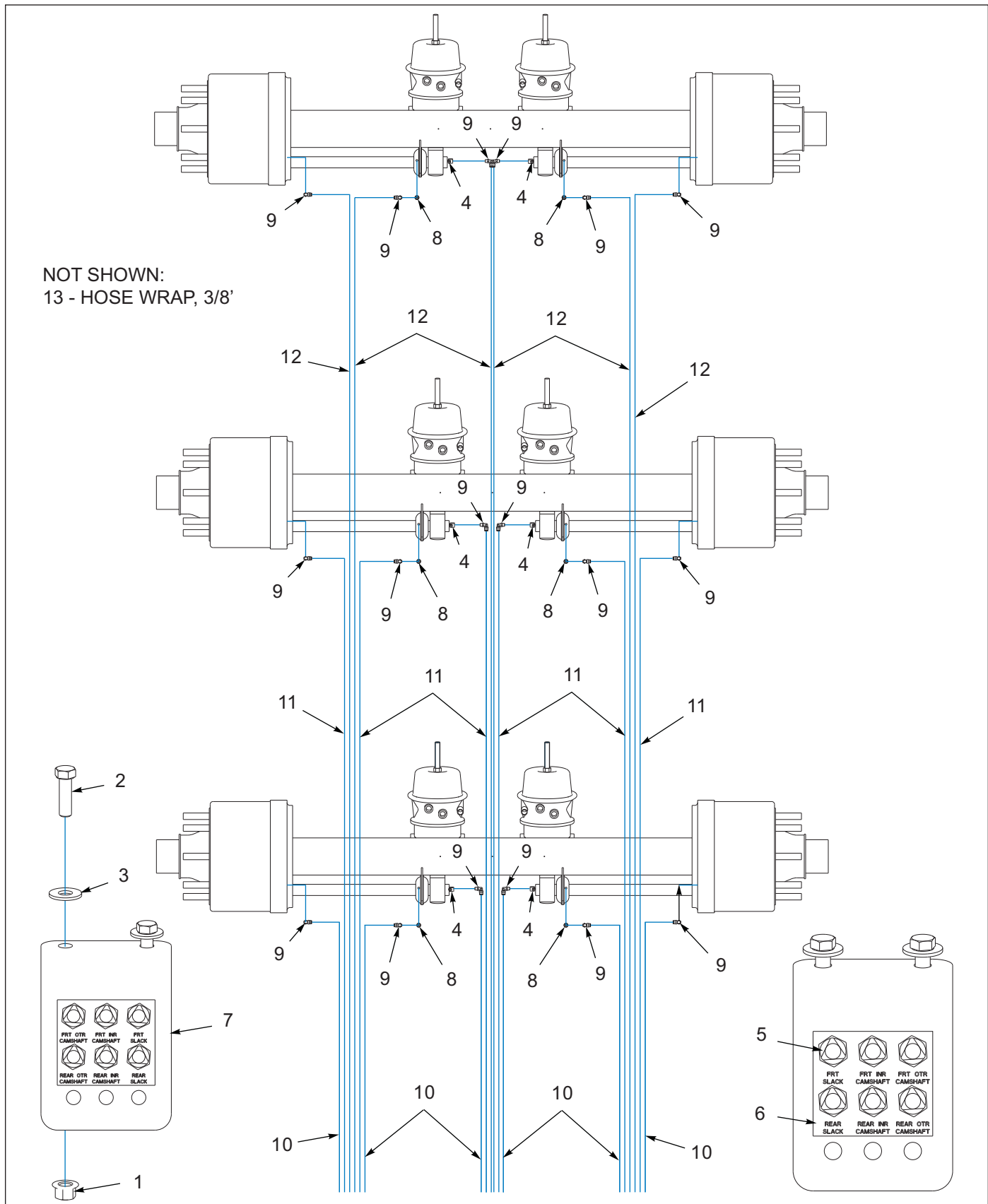


Figure 8-6: Drum Brakes, 3 Axle (Before 11/07/2018)

Drum Brakes, 3 Axle (Before 11/07/2018)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215086	SUSP ASSY 950E-12 2512-77	- -
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 (BY THE FOOT) (NOT SHOWN)	1

Drum Brakes, 3 Axle (After 11/07/2018 - Before 08/31/2020)

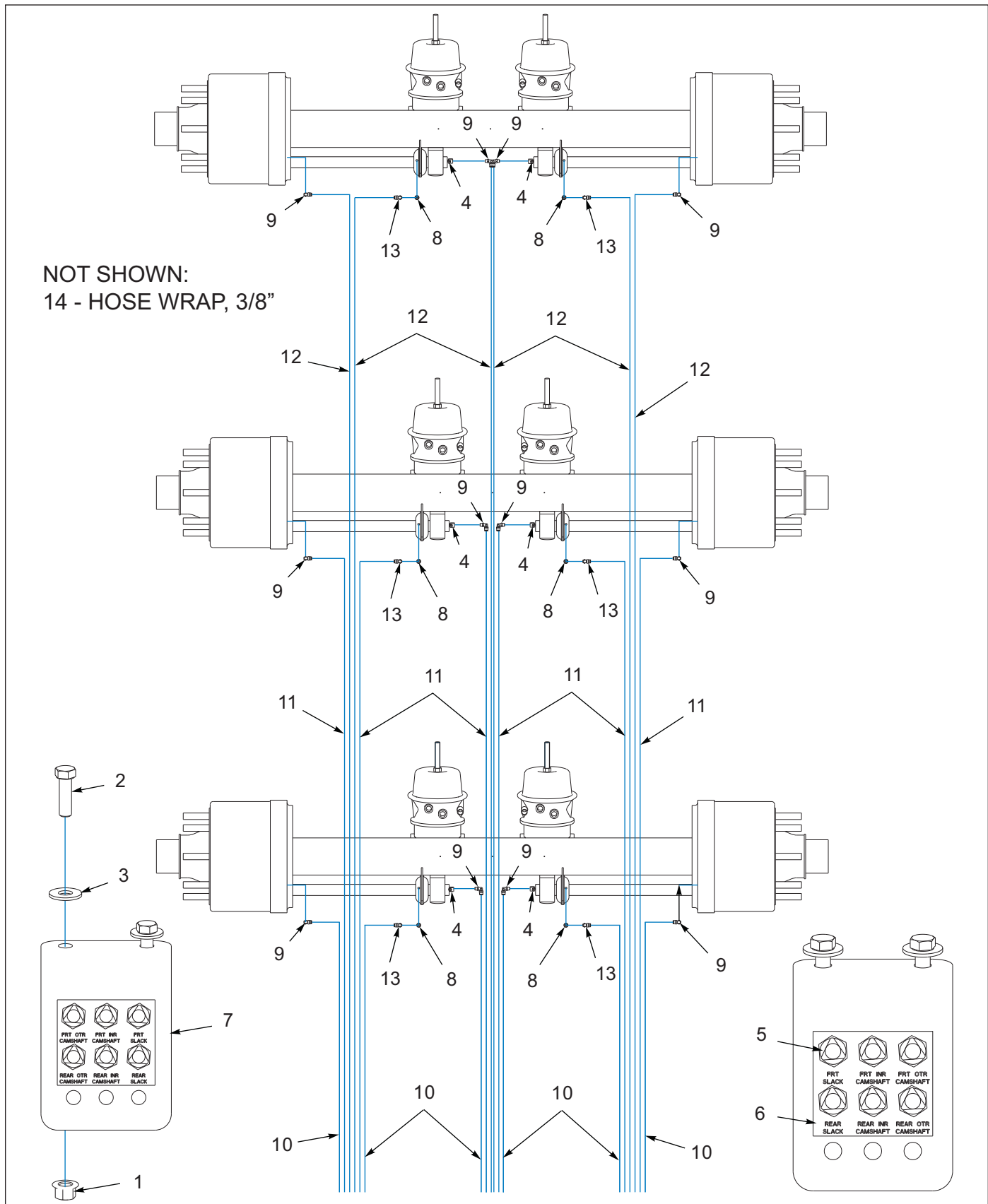


Figure 8-7: Drum Brakes, 3 Axle (After 11/07/2018 - Before 08/31/2020)

Drum Brakes, 3 Axle (After 11/07/2018 - Before 08/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215086	SUSP ASSY 950E-12 2512-77	- -
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 (BY THE FOOT) (NOT SHOWN)	1

Drum Brakes, 3 Axle (After 08/31/2020)

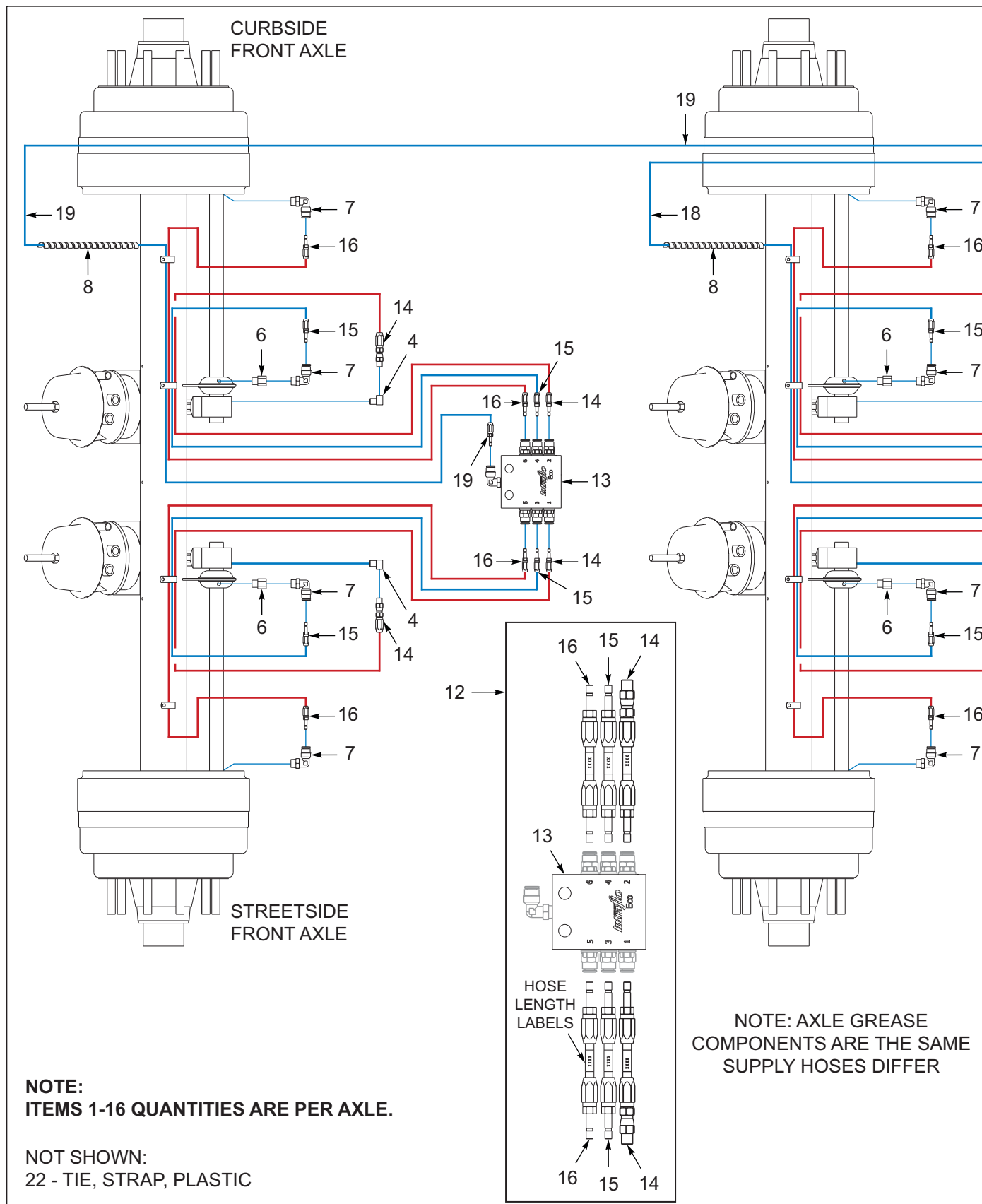


Figure 8-8: Drum Brakes, 3 Axle (After 08/31/2020) (1 of 3)

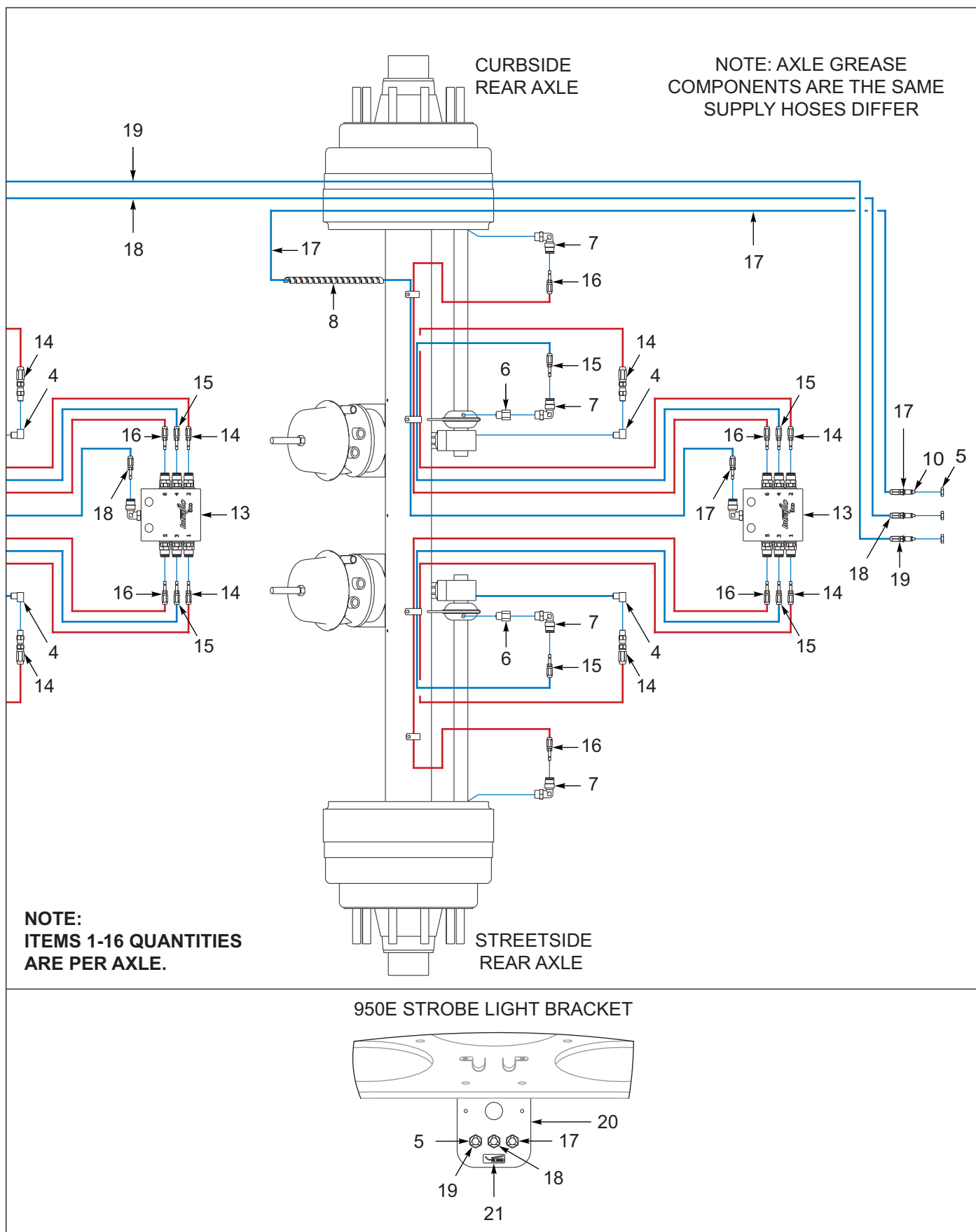


Figure 8-9: Drum Brakes, 3 Axle (After 08/31/2020) (2 of 3)

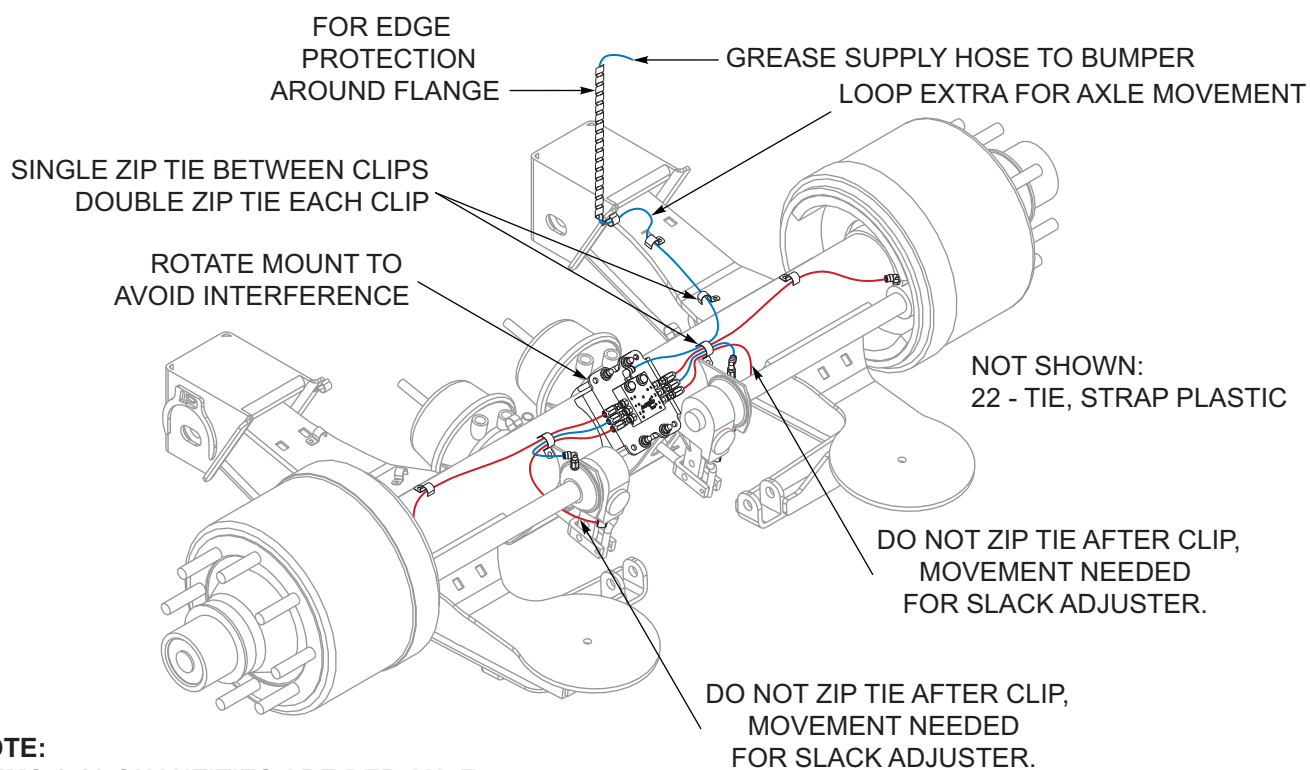
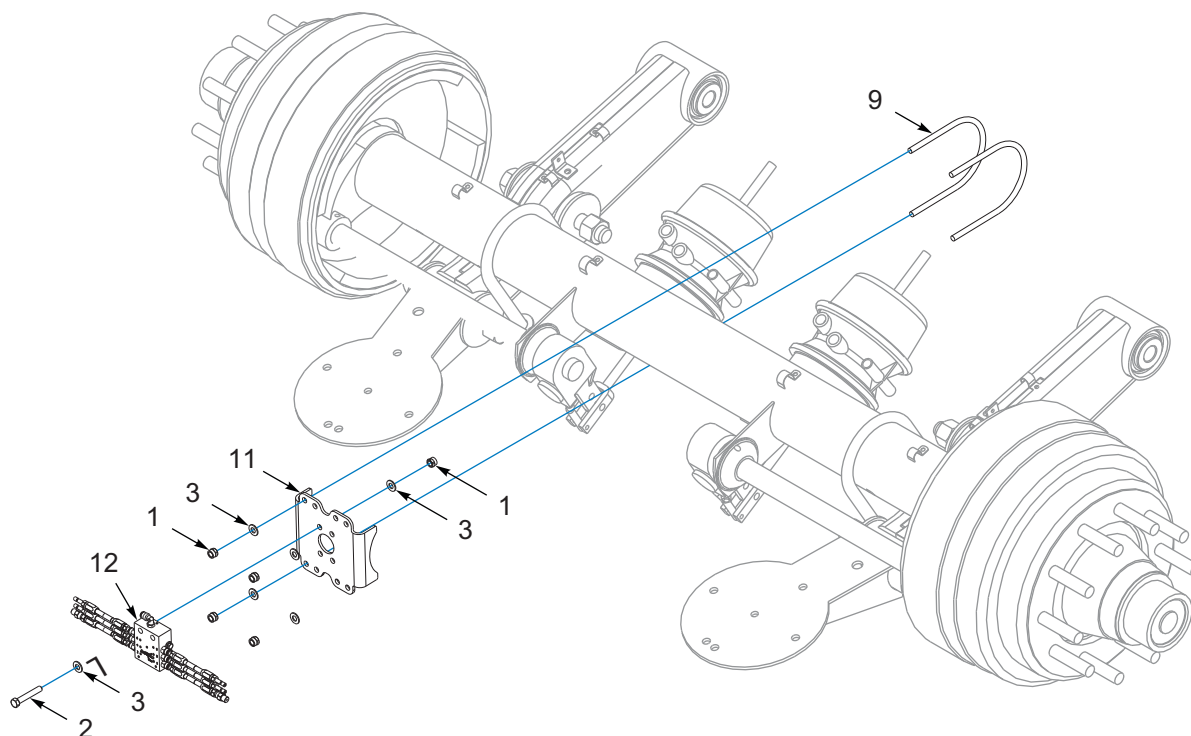


Figure 8-10: Drum Brakes, 3 Axle (After 08/31/2020) (3 of 3)

Drum Brakes, 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	6
2	1-654-010051-10	SCREW,HX CP3/8-16X2-1/4 GR5	2
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	8
4	101528	ELBOW,BRASS PIPE STREET	2
5	142545	NUT 7/16 FOR BULKHEAD	1
6	202094	ADAPTER 5/16- -18X1/8NPT(F)	2
7	202099	FITTING GREASE 90 SWIV PTC 1/8	4
8	212785	SPIRAL LOOM, 1/2" BLACK (BY THE FOOT)	1
9	222479	U-BOLT 3/8-16X5X6-3/4X2" T ZP	2
10	1-298-010001-1	ZERK FITTING 1/4 SAE (INCLUDED WITH ITEMS 17-19)	1
11	224325	MOUNT BOLT-ON AXLE GREASE VLV	1
12	229177	VALVE AXLE GREASE ASM 22-16-28 (KIT INCLUDES ITEMS 15-18)	1
13	224304	VALVE AXLE GREASE DIVIDER (NON-REPAIRABLE, INCLUDES ALL FITTINGS, FITTINGS NOT SOLD SEPARATELY) (INCLUDED WITH ITEM 12)	1
14	225770	HOSE ASSY GREAST 1/8" X 22" (PORTS 1 & 2) (INCLUDED WITH ITEM 12)	2
15	229178	HOSE ASSY GREASE 1/8" X 16" (PORTS 3 & 4) (INCLUDED WITH ITEM 12)	2
16	229182	HOSE ASSY GREASE 1/8" X 28" (PORTS 5 & 6) (INCLUDED WITH ITEM 12)	2
17	202112	HOSE ASSY GREASE 1/8 X 118 (REAR AXLE) (INCLUDES ITEM 10, 1 EACH)	1
18	202119	HOSE ASSY GREASE 1/8 X 162 (MIDDLE AXLE) (INCLUDES ITEM 10, 1 EACH)	1
19	229181	HOSE ASSY GREAST 1/8 X 210 (FRONT AXLE) (INCLUDES ITEM 10, 1 EACH)	1
20	225884	BRACKET U/C STRB/GRSE BULKHEAD	1
21	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
22	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 (BY THE LB) (NOT SHOWN)	--

Hydraulic Systems

Frame Assembly, Axle / Tail Travel

NOTES:

HYDRAULIC CYLINDER RETRACT OPERATION SHOWN
(AXLE AHEAD / TAIL DOWN)

RED = PRESSURE

BLUE = RETURN

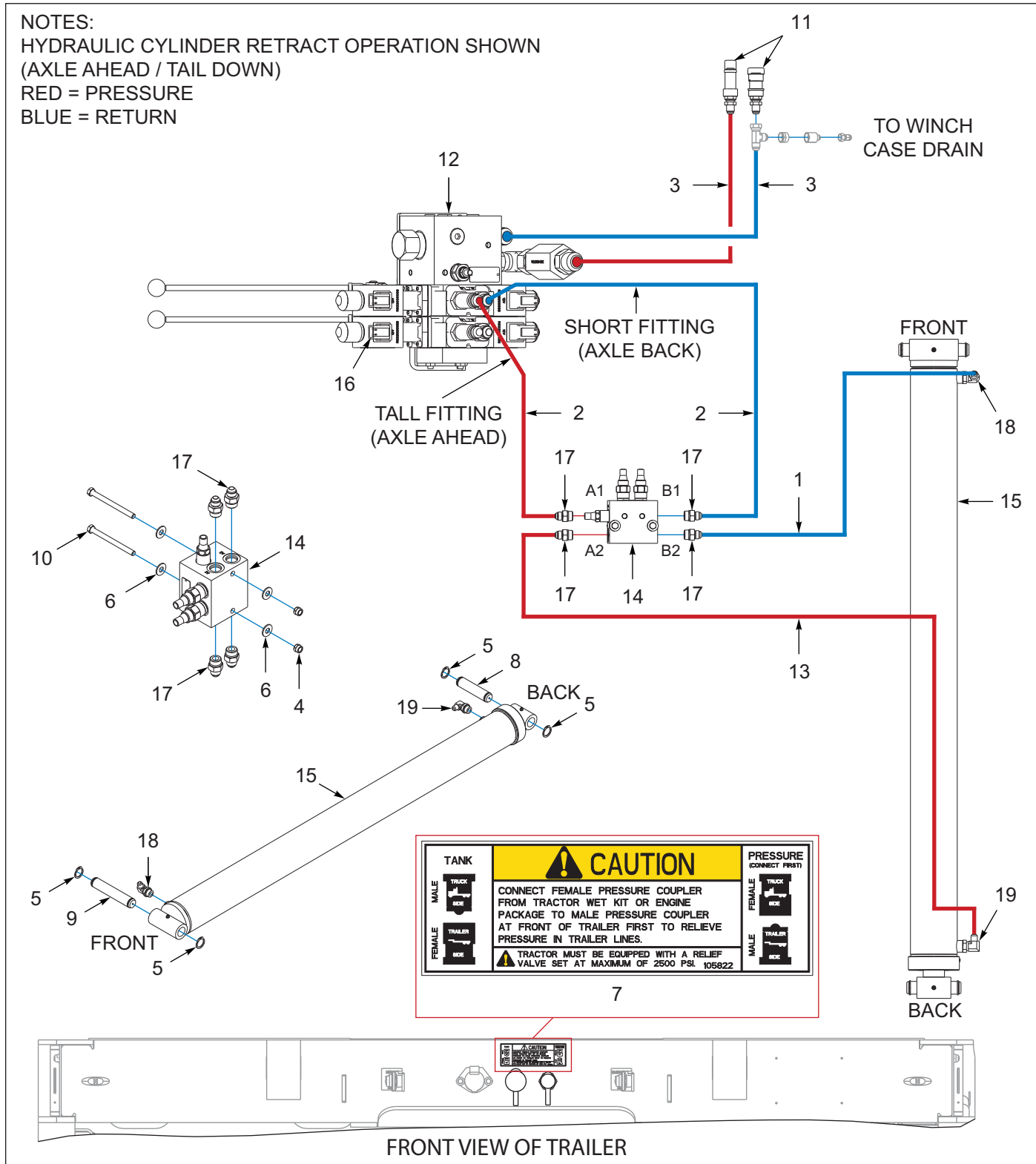


Figure 9-1: Frame Assembly, Axle / Tail Travel

Frame Assembly, Axle / Tail Travel

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215063	HYD ELEC AIR 900E-33 RMT (REF 1)	--
	215065	HYD ELEC AIR 900E-36 RMT (REF 2)	--
	215067	HYD ELEC AIR 900E-38 RMT (REF 3)	--
	215069	HYD ELEC AIR 900E-HD RMT (REF 4)	--
	215071	HYD ELEC AIR 900E-33 RMT SLP ENG (REF 5)	--
	215073	HYD ELEC AIR 900E-36 RMT SLP ENG (REF 6)	--
	215075	HYD ELEC AIR 900E-38 RMT SLP ENG (REF 7)	--
	215077	HYD ELEC AIR 900E-HD RMT SLP ENG (REF 8)	--
	215227	HYD ELEC AIR 900E-35 HD RMT (REF 9)	--
1	1-397-010302084	HOSE ASSY,1/2X84,SAE37,STR-90	1
2	1-397-010302206	HOSE ASSY,1/2X206 SAE37,STR90 (REF 1, 5, 9)	2
2	100062	HOSE ASSY 1/2X286,SAE37,STR90 (REF 3, 7)	2
2	101014	HOSE ASSY,1/2X248,SAE37,STR90 (REF 2,4,6,8)	2
3	1-397-010305164	HOSE ASSY,3/4X164,SAE37,STR90 (REF 4, 9)	2
3	136224	HOSE ASSY 3/4X136 SAE37 STR90 (REF 1-3)	2
4	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2
5	1-630-010021-01	RING, 1.5 RETAINING HD	4
6	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
7	105822	DECAL, HYD COUPLER (BEFORE 03/01/2022 REQ 1 EACH - AFTER NO LONGER USED)	1
8	107657	PIN 1-1/2X6-3/8	1
9	107658	PIN 1-1/2X8-1/4	1
10	129698	SCREW,HXCP,3/8-16UNCX4-1/2GR5	2
11	143163	CONNECTORS FRONT SUB ASSY (REF 1-4, 9) (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
11	238642	COUPLERS ISO FRONT SUB ASSY (REF 1-4, 9) (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1
12	194395	VALVE ASSY 2-SPOOL CONTROL (SEE PAGE 9-7)	1
13	107756	HOSE ASSY,1/2X24,SAE37,STR-90	1
14	194400	VALVE COUNTER-BALANCE/RELIEF	1
15	194401	CYLINDER 5 X 60 (SEE PAGE 9-5)	1
16	194407	PLUG ASSY DUMMY DEUTSCH 2 PIN (FOR NON-REMOTE APPLICATIONS)	4
17	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	4
18	202702-12-8S	ADAPTER, #12 O-RING #8 TUBE	1
19	2062-12-8S	ADAPTER,90,#12 O-RING-#8 TUBE	1

Connectors Kit, Front Sub-Assembly

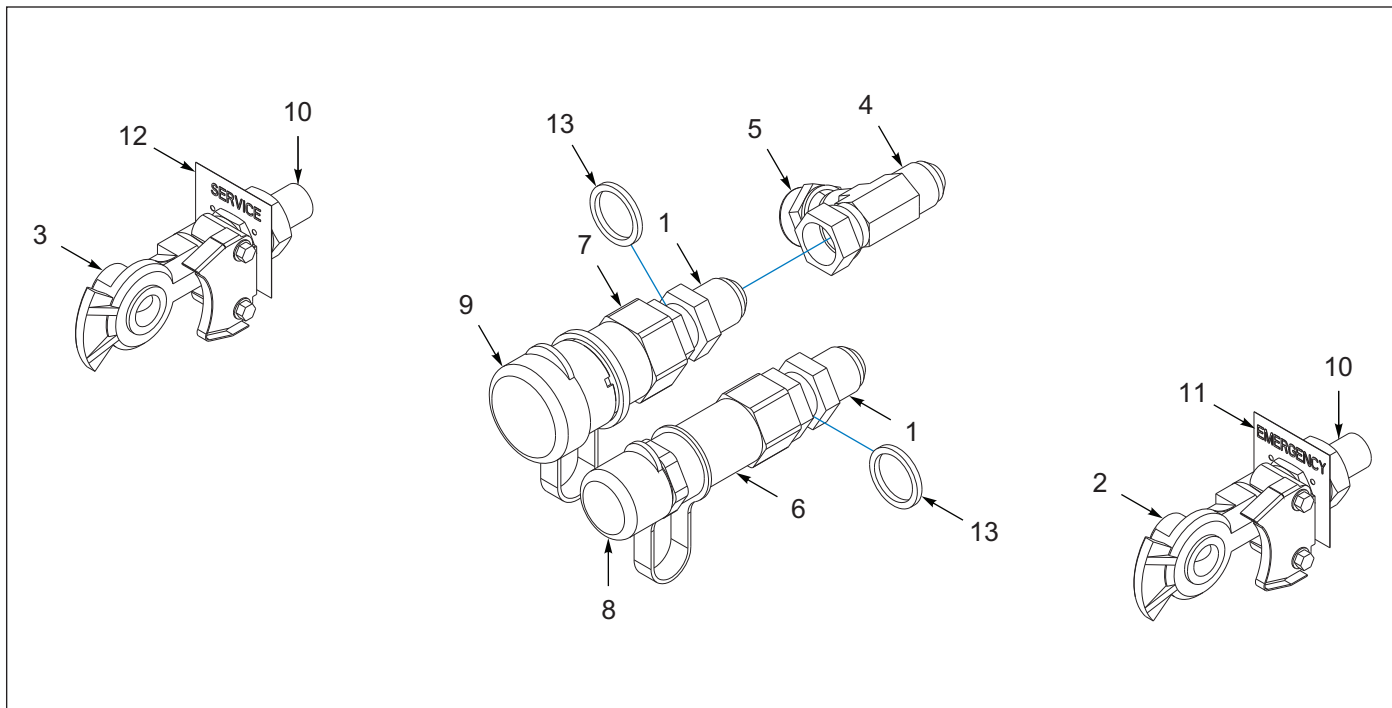


Figure 9-2: Connectors Kit, Front Sub-Assembly

Connectors Kit, Front Sub-Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	143163	CONNECTORS FRONT SUB ASSY (INCLUDES ITEMS 1-12) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	--
	238642	COUPLERS ISO FRONT SUB ASSY (INCLUDES ITEMS 1-12) (AFTER 03/01/2022 - REPLACES 143163)	--
1	105483	ADAPTER BLKHD 12JIC-12 ORING	2
2	108801	GLAD HAND-RED-AIR (INCLUDES SEAL 209133)	1
3	108802	GLAD HAND-BLUE-AIR (INCLUDES SEAL 209133)	1
4	203102-12-12S	ADAPTER,TEE, #12, SAE37 SWIVL	1
5	210292-12S	JIC CAP NUT #12	1
6	105479	COUPLER FLAT FACE MALE NOSE (PARTS - SEE PAGE 9-4) (BEFORE 03/01/2022 -SILVER BODY)	1
6	239677	COUPLER FL FACE ISO -12 MALE (PARTS - SEE PAGE 9-4) (AFTER 03/01/2022- BLACK BODY)	1
7	105480	COUPLER FLAT FACE FEMALE BODY (PARTS - SEE PAGE 9-4) (BEFORE 03/01/2022)	1
7	239678	COUPLER FL FACE ISO -12 FEMALE (AFTER 03/01/2022)	1
8	105481	COUPLER DUST CAP MALE (BEFORE 03/01/2022)	1
8	239679	DUST CAP -12 ISO MALE COUPLER (AFTER 03/01/2022)	1
9	105482	COUPLER DUST CAP FEMALE (BEFORE 03/01/2022)	1
9	239680	DUST CAP FEMALE COUPLER -12ISO (AFTER 03/01/2022)	1
10	55B61	FRAME UNION	2
11	55B61-6	TAG EMER LINE VELVAC 035025	1
12	55B61-7	TAG SERVICE LINE VELVC 035026	1
13	169365	SPACER HYDR COUPLERS (USED BEFORE 02/01/202, REQ 2 EACH - AFTER HEX RETAINER WELDED TO FRAME)	--

Couplers Kit, Hydraulic Conversion & Repair

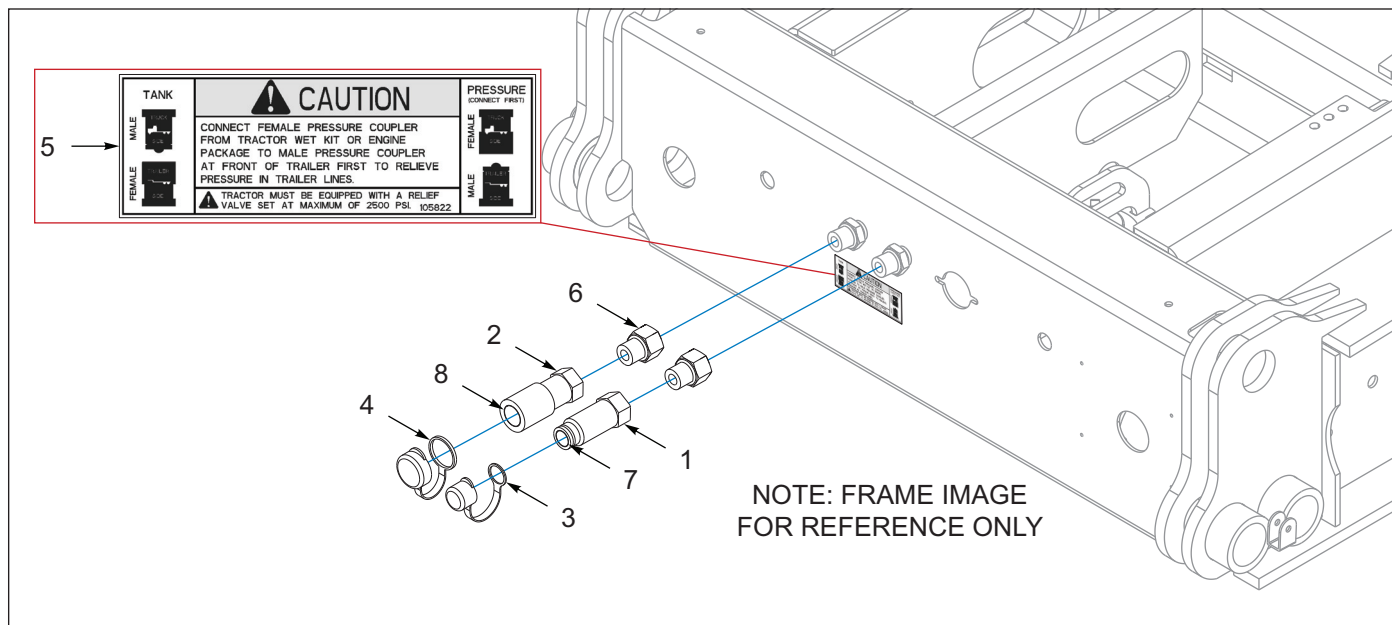


Figure 9-3: Couplers Kit, Hydraulic Conversion & Repair

Couplers Kit, Hydraulic Conversion & Repair

ITEM	PART NUMBER	DESCRIPTION	QTY.
	105902	HYD CONVERSION KIT BALL/FLAT (INCLUDES ITEM 1-6) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	--
	239705	HYD CONVERSION KIT PRKR TO ISO (INCLUDES ITEM 1-4) (AFTER 03/01/2022 - REPLACES 105902)	--
1	105479	COUPLER FLAT FACE MALE NOSE (REPAIRABLE. SEE ITEM 7A) (BEFORE 03/01/2022 -SILVER BODY)	1
1	239677	COUPLER FL FACE ISO -12 MALE (REPAIRABLE, SEE ITEM 7B) (AFTER 03/01/2022- BLACK BODY)	1
2	105480	COUPLER FLAT FACE FEMALE BODY (REPAIRABLE, SEE ITEM 8) (BEFORE 03/01/2022)	1
2	239678	COUPLER FL FACE ISO -12 FEMALE (NON-REPAIRABLE) (AFTER 03/01/2022)	1
3	105481	COUPLER DUST CAP MALE (BEFORE 03/01/2022)	1
3	239679	DUST CAP -12 ISO MALE COUPLER (AFTER 03/01/2022)	1
4	105482	COUPLER DUST CAP FEMALE (BEFORE 03/01/2022)	1
4	239680	DUST CAP FEMALE COUPLER -12ISO (AFTER 03/01/2022)	1
5	105822	DECAL, HYD COUPLER (BEFORE 03/01/2022 REQ 1 EACH - AFTER NO LONGER USED)	--
6	2216-12-12S	ADAPT 3/4-14P/1-1/16 O-RING (BEFORE 03/01/2022 REQ 2 EACH - AFTER NO LONGER USED)	--
7	111089	REPAIR KIT FOR 105479 (7A INCLUDES SLIPPER SEAL, O-RING) (BEFORE 03/01/2022 -AFTER KIT DISCONTINUED)	1
7	238634	KIT O-RING MALE ISO-12 QD (7B INCLUDES BACK-UP RING, O-RING) (AFTER 03/01/2022 - NEW MALE KIT)	1
8	111090	REPAIR KIT FOR 105480 (INCLUDES VALVE ASSEM, SEALING SLEEVE, BACK-UP RING, O-RING) (BEFORE 03/01/2022 - AFTER 03/01/2022 DISCONTINUED)	1

Cylinder Components, 5 x 60

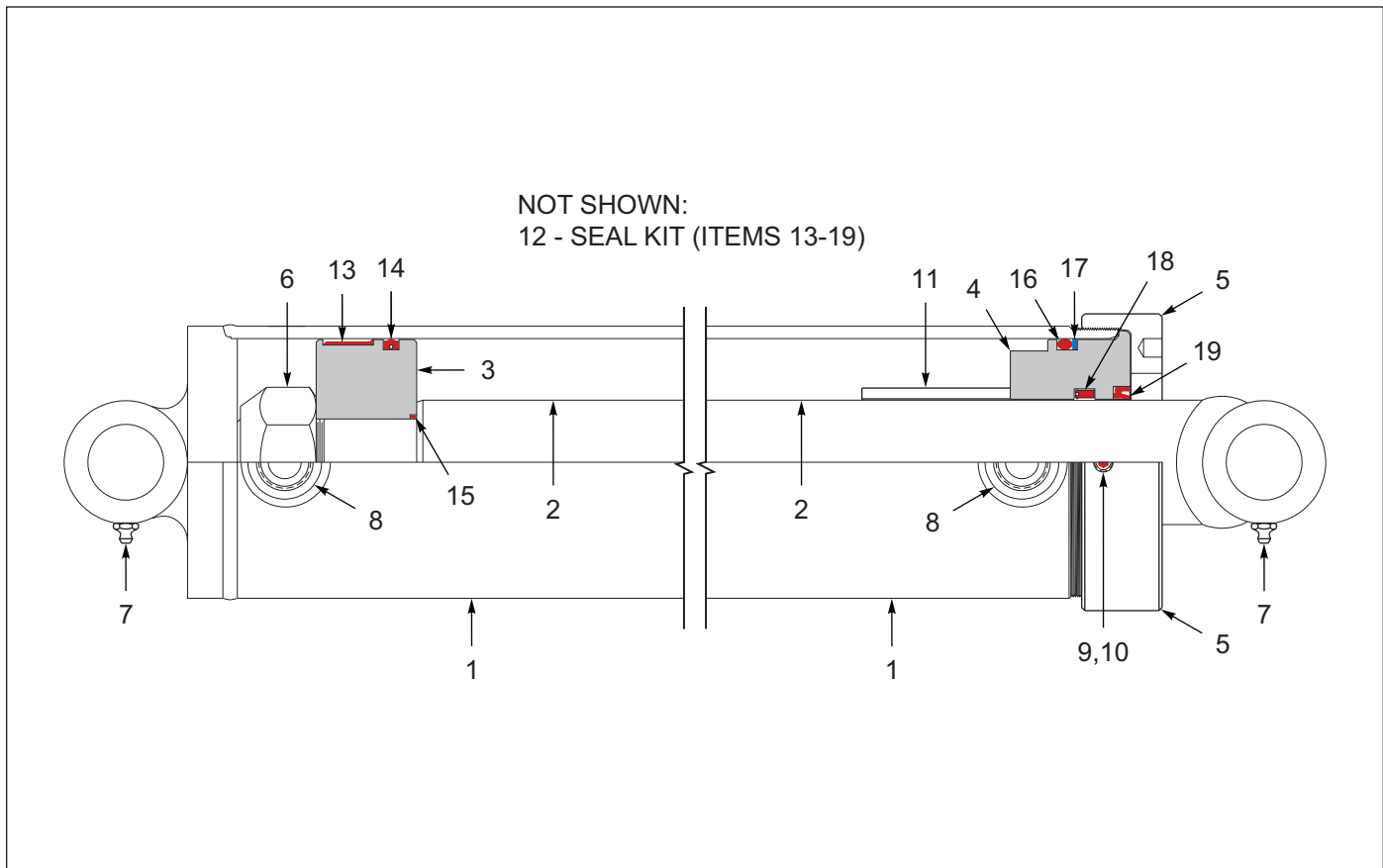


Figure 9-4: Cylinder Components, 5 x 60

Cylinder Components, 5 x 60

ITEM	PART NUMBER	DESCRIPTION	QTY.
	194401	CYLINDER 5 X 60	--
1	062100946	BUTT & TUBE ASSEMBLY	1
2	114081	PISTON ROD ASSY FOR 109126	1
3	072100181	PISTON ROD ASSY	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	201641	SEAL KIT CYLINDER 5" X 60" (INCLUDES ITEMS 13-19)	--
13	240011302	BEARING RING	1
14	240060350	CROWN SEAL	1
15	240000031	O-RING	1
16	240000425	O-RING	1
17	240061425	BU-WASHER	1
18	240020013	U-CUP	1
19	250014250	WIPER	1

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Valve Assembly, 2 Spool Solenoid

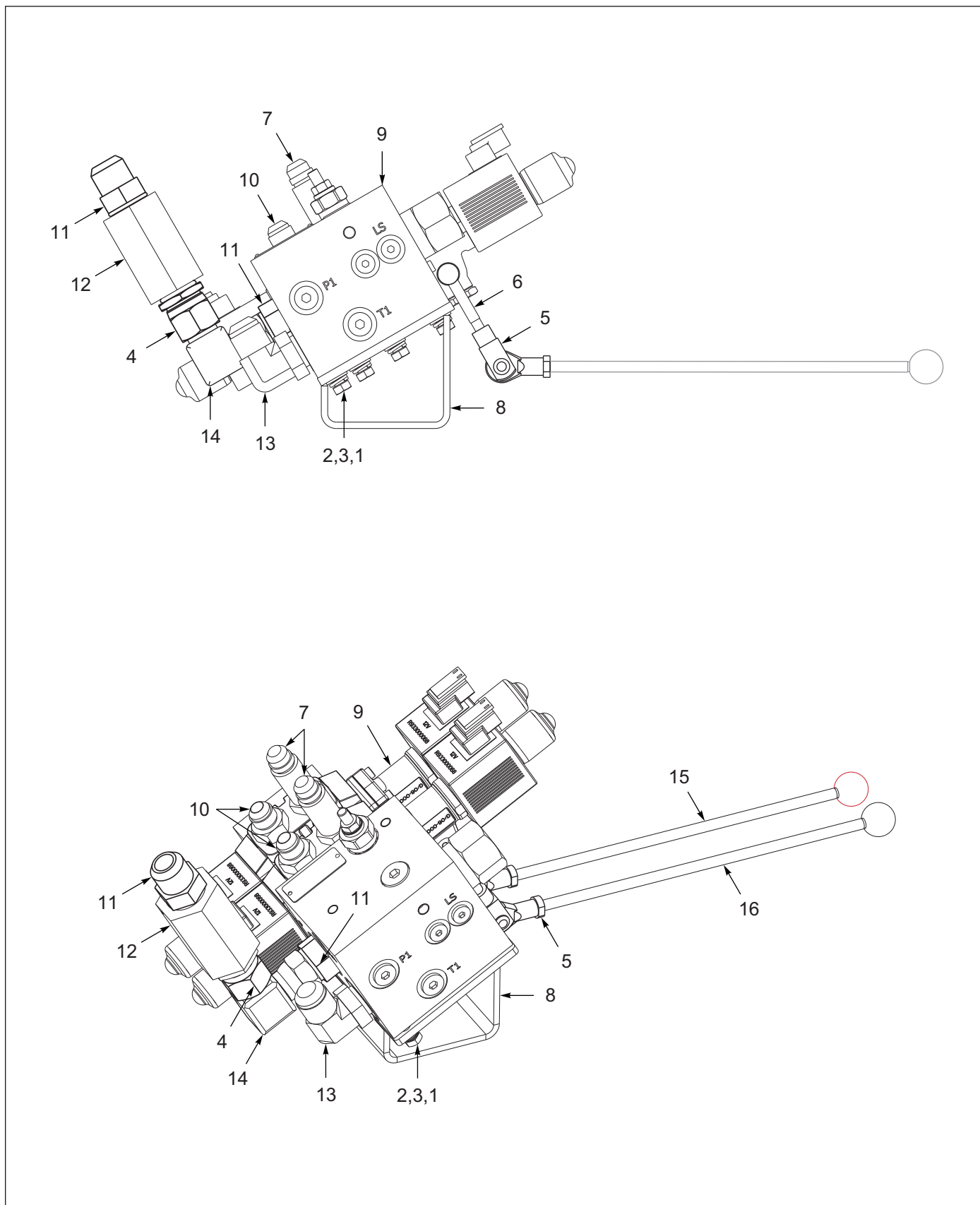


Figure 9-5: Valve Assembly, 2 Spool Solenoid

Valve Assembly, 2 Spool Solenoid

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 N ZP	4
3	1-861-010034-10	WASHER,LKG 5/16	4
4	120660	ADAPTER #12-O/RFEM-12#FL M	1
5	186875	CLEVIS JOINT,ROD ENDS M8.1.25	2
6	186902	STUD M8X1.25X65MM,DBL THD	2
7	189285	ADAPTER STR LONG #10 ORB#8MJIC	2
8	194396	MOUNT WLDMT 2-SPOOL VALVE	1
9	194402	VALVE 2-SPOOL (SEE PAGE 9-9) (INCLUDES ITEMS 15-16)	1
10	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
11	202702-12-12S	ADAPTER,#12 O-RING X #12 TUBE	2
12	204124	FILTER HYD IN-LINE MAGNETIC	1
13	2062-12-12S	ADAPTER,90,#12 O-RINGX#12TUBE	1
14	2071-12-12S	ADAPTER 90 #12FLR SWVL #12JIC	1
15	191849	HANDLE,RED,12",M8-125 THREAD (INCLUDED WITH ITEM 9) (INCLUDES 208386 RED KNOB & 186878 ROD ASSEMBLY)	1
16	191850	HANDLE,BLACK,12",M8-125 THREAD (INCLUDED WITH ITEM 9) (INCLUDES 186877 BLACK KNOB & 186878 ROD ASSEMBLY)	1

Valve Components, 2 Spool Solenoid

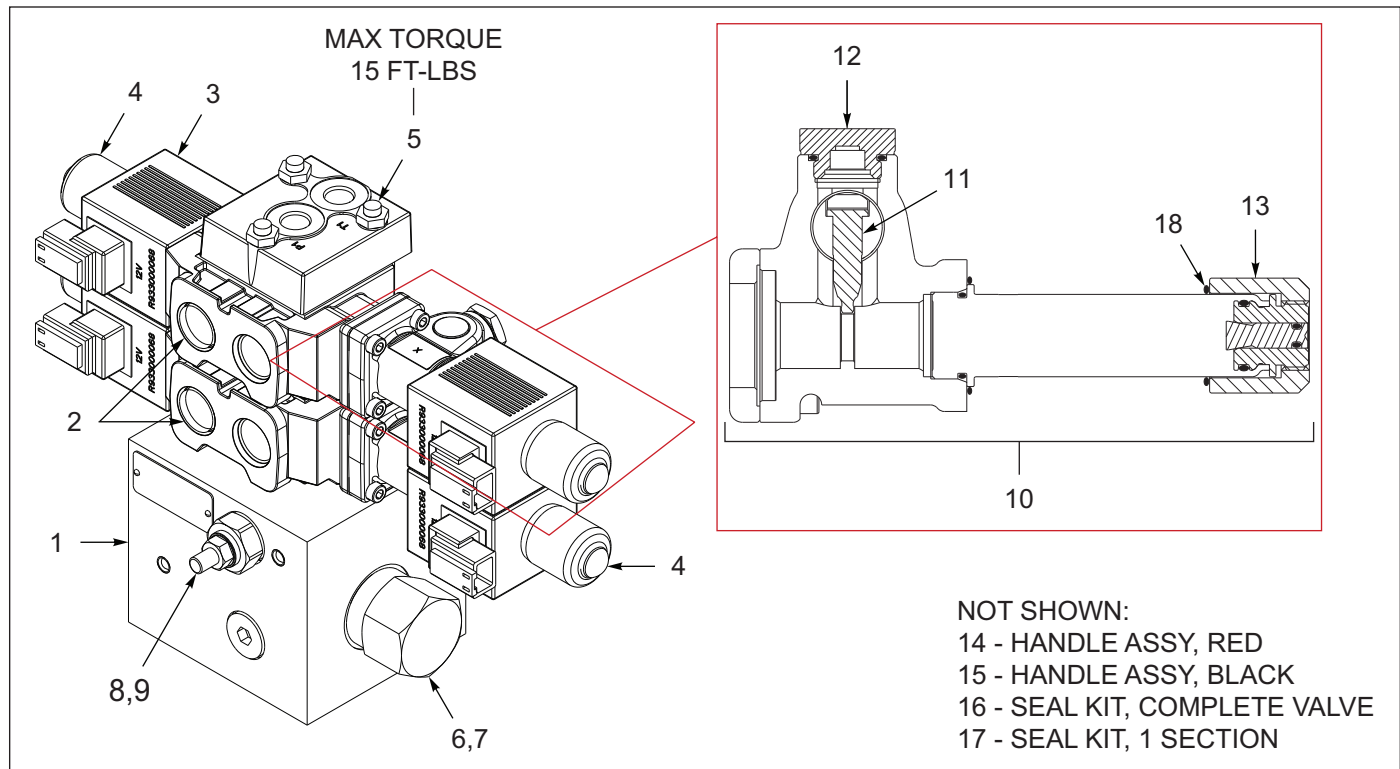


Figure 9-6: Valve Components, 2 Spool Solenoid

Valve Components, 2 Spool Solenoid

ITEM	PART NUMBER	DESCRIPTION	QTY.
	194402	VALVE 2-SPOOL	--
1	191847	INLET, REXROTH VALVE	1
2	191848	SECTION, SOLENOID, MOTOR, 20GPM	2
3	193400	SOLENOID, COIL, DUETSCH	4
4	193401	BOOT RUBBER, SOLE, MANUAL OVRDE	4
5	194403	BOLT KIT, 3 SPOOL VALVE	1
6	193444	CARTRIDGE, BI-PASS COMPENSATOR	1
7	193445	SEAL KIT, BI-PASS COMPENSATOR	1
8	193446	CARTRIDGE, LOAD SENSE RELIEF	1
9	193447	SEAL KIT, LOAD SENSE RELIEF	1
10	208390	KIT COMPLETE LEVER BOX K-22144 (INCLUDES ITEMS 11-13 & SCREWS)	2
11	204189	SET SCREW HANDLE ACTUATOR BALL (INCLUDED WITH ITEM 10)	2
12	208391	PLUG LEVER BOX (INCLUDED WITH ITEM 10)	2
13	208392	COIL NUT LEVER BOX (INCLUDED WITH ITEM 10)	2
14	191849	HANDLE, RED, 12", M8-125 THREAD (INCLUDED WITH ITEM 9) (INCLUDES 208386 RED KNOB & 186878 ROD ASSEMBLY)	1
15	191850	HANDLE, BLACK, 12", M8-125 THREAD (INCLUDED WITH ITEM 9) (INCLUDES 186877 BLACK KNOB & 186878 ROD ASSEMBLY)	1
16	216601	SEAL KIT COMPLETE REXROTH VALV (INCLUDES ITEMS 17-18) (FITS 1, 2, 3, 4 & 5 VALVE ASSEMBLIES)	1
17	193442	SEAL KIT, 1 SECTION, 3 SEALS (INCLUDED WITH ITEM 16)	5
18	193443	SEAL KIT, SOLENOID, 2 SEALS (INCLUDED WITH ITEM 16)	3

[illegible]

Wet Kit, Hydraulic (OPTION) (BEFORE 03/01/2019)

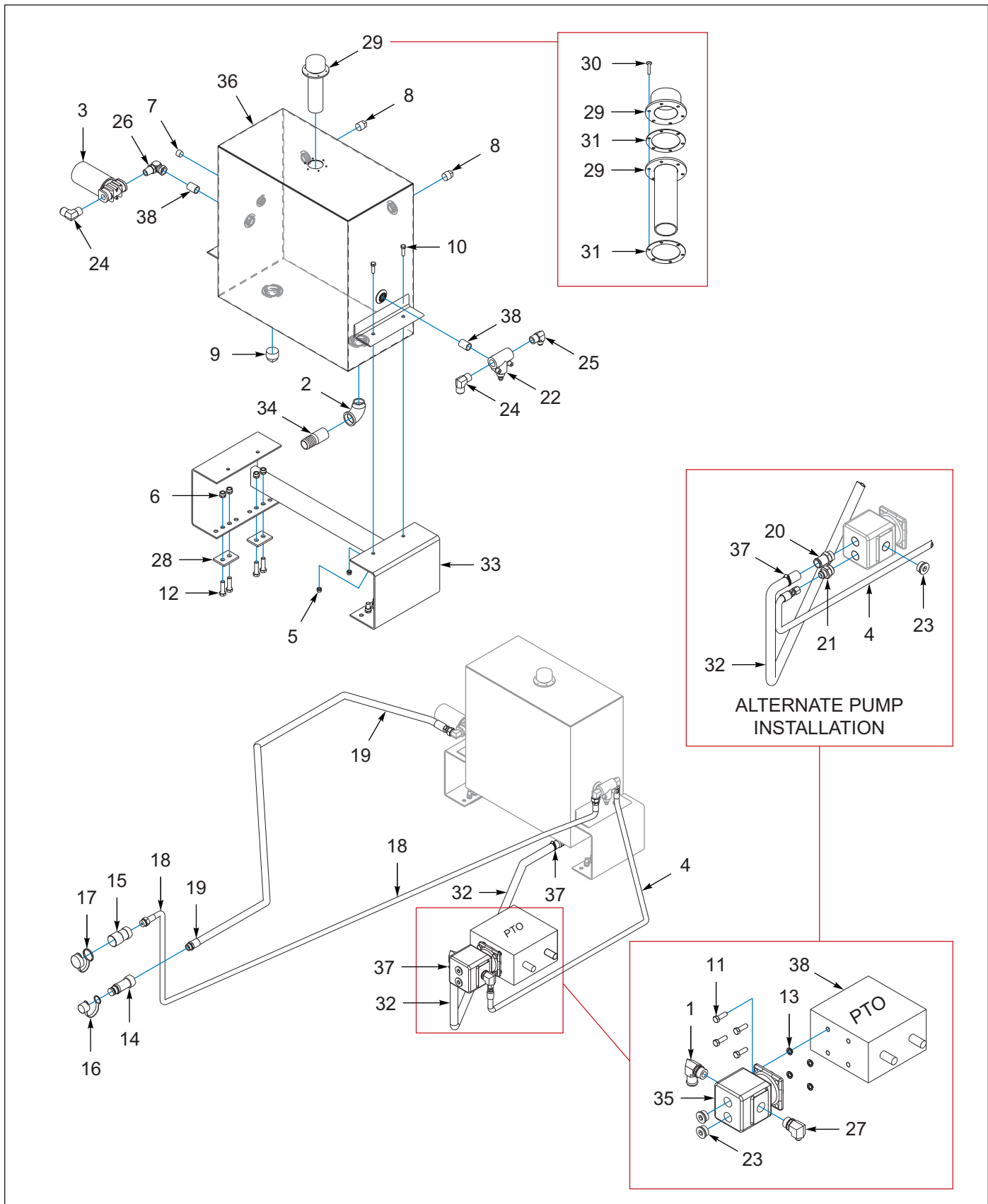


Figure 9-7: Wet Kit, Hydraulic (OPTION) (BEFORE 03/01/2019)

Wet Kit, Hydraulic (OPTION) (BEFORE 03/01/2019)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	107498	WET KIT,35GAL, W/PTO, INSTALL	--
	107499	WET KIT,30GAL,W/PTO,NOT INST	--
	107500	WET KIT 35GAL W/O PTO NOT INS	--
1	1-007-010006	90 EL 1-5/16 O-RING-1-1/4 HOS	1
2	1-1/4ST ELL	PIPE ELBOW BLK 90 ST	1
3	1-295-010001	FILTER, RETURN LINE (1-295-010002 FILTER ONLY)	1
4	1-397-010301100	HOSE ASSY,1/2X100 SAE 37 STR	1
5	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	4
6	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
7	1-560-010002-04	PLUG, PIPE, 1/2NPT	1
8	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	2
9	1-560-010002-07	PLUG,PIPE, 1-1/4X11-1/2NPTF	1
10	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	4
11	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
12	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	8
13	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	4
14	105479	COUPLER FLAT FACE MALE NOSE (PARTS - SEE PAGE 9-4) (BEFORE 03/01/2022 - SILVER BODY)	1
14	239677	COUPLER FL FACE ISO -12 MALE (PARTS - SEE PAGE 9-4) (AFTER 03/01/2022 - BLACK BODY)	1
15	105480	COUPLER FLAT FACE FEMALE BODY (PARTS - SEE PAGE 9-4) (BEFORE 03/01/2022)	1
15	239678	COUPLER FL FACE ISO -12 FEMALE (AFTER 03/01/2022)	1
16	105481	COUPLER DUST CAP MALE (BEFORE 03/01/2022)	1
16	239679	DUST CAP -12 ISO MALE COUPLER (AFTER 03/01/2022)	1
17	105482	COUPLER DUST CAP FEMALE (BEFORE 03/01/2022)	1
17	239680	DUST CAP FEMALE COUPLER -12ISO (AFTER 03/01/2022)	1
18	106759	HOSE 1/2X164,1-1/16O-RG 12FJI	1
19	106760	HOSE 3/4X164 1-1/16O-RG 12SAE	1
20	107513	ADAPTER #16 O-RING X 1-1/4HOS	1
21	12-16 070120	ADAPTER,#12 TUBE/ #16 O-RING	1
22	125130	RD12D HYD BY PASS SRDD	1
23	157330	PLUG,, #16 ORB HEX	2
24	2024-12-12S	ADAPTER 90 3/4MPT X3/4M JIC	2
25	2024-12-8S	ELBOW,90,#12NPTX#8 JIC	1
26	2047-12-12S	PIPE SWIVEL 90 MALE 3/4-14	1
27	2062-16-8S	ADAPTER 90 1 BOSSX1/2 37	1
28	3-120-010461	BRACKET,HYD TANK SUPPORT	4
29	3-162-010001	FILLER BREATHER STRAINER ASSY (INCLUDES ITEM 30-31)	1
30	1-656-010003051	SCREW,RH HD MACH 10-24X3/4 (INCLUDED WITH ITEM 29)	6
31	223220	GASKET, HYD TANK FILLER (INCLUDED WITH ITEM 29)	2
32	3-399-010001	HOSE 1-1/4 SUCTION	8
33	3-482-010503	MOUNT WLDMT, HYD TANK 30GAL	1
34	3-561-010001	HOSE BARB 1-1/4 NPT	1
35	3-591-010001	HYDRAULIC GEAR PUMP (USES SEAL KIT 3911802119)	1
36	3-786-010043	TANK WLDMT, 30 GAL (ITEM 29 NOT INCLUDED)	1
37	6828	IDEAL HOSE CLAMP2.25MAX-1.3MI	2
38	C3069X12	NIPPLE HYD 3/4 MPT	2

Wet Kit, Hydraulic (OPTION) (AFTER 03/01/2019)

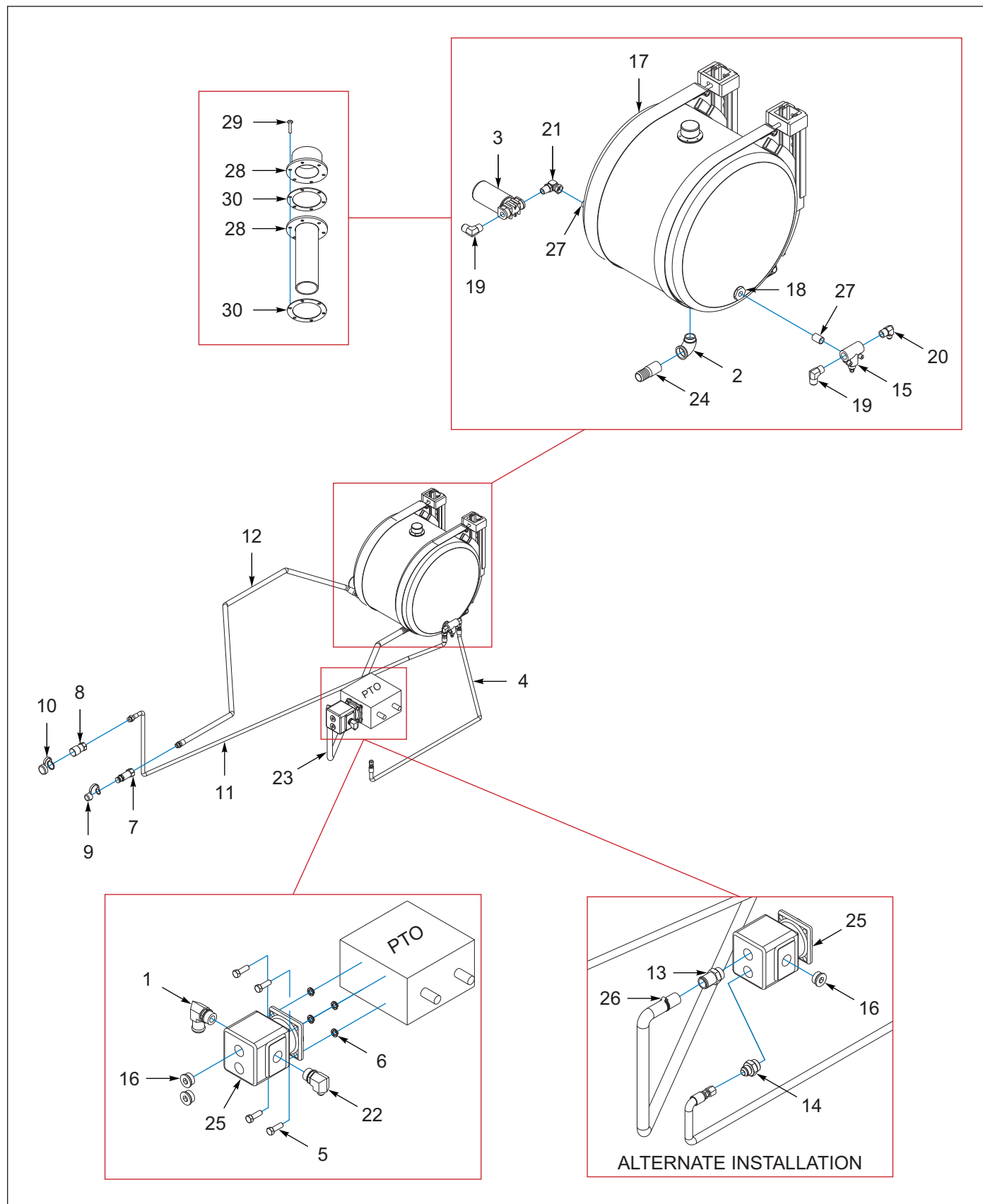


Figure 9-8: et Kit, Hydraulic (OPTION) (AFTER 03/01/2019)

Wet Kit, Hydraulic (OPTION) (AFTER 03/01/2019)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	107498	WET KIT,35GAL, W/PTO, INSTALL (STEEL TANK)	--
	107499	WET KIT,35GAL,W/PTO,NOT INST (STEEL TANK)	--
	107500	WET KIT 35GAL W/O PTO NOT INS (STEEL TANK)	--
	220732	WET KIT, ALUM, 35GAL (ALUMINUM TANK)	--
	240507	WET KIT 35GAL ALUM W/PTO INSTL (ALUMINUM TANK)	--
1	1-007-010006	90 EL 1-5/16 O-RING-1-1/4 HOS	1
2	1-1/4ST ELL	PIPE ELBOW BLK 90 ST	1
3	1-295-010001	FILTER, RETURN LINE (1-295-010002 FILTER ONLY)	1
4	1-397-010301100	HOSE ASSY,1/2X100 SAE 37 STR	1
5	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
6	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	4
7	105479	COUPLER FLAT FACE MALE NOSE (PARTS - SEE PAGE 9-4) (BEFORE 03/01/2022 - SILVER BODY)	1
7	239677	COUPLER FL FACE ISO -12 MALE (PARTS - SEE PAGE 9-4) (AFTER 03/01/2022 - BLACK BODY)	1
8	105480	COUPLER FLAT FACE FEMALE BODY (BEFORE 03/01/2022) (PARTS - SEE PAGE 9-4)	1
8	239678	COUPLER FL FACE ISO -12 FEMALE (AFTER 03/01/2022) (PARTS - SEE PAGE 9-4)	1
9	105481	COUPLER DUST CAP MALE (BEFORE 03/01/2022)	1
9	239679	DUST CAP -12 ISO MALE COUPLER (AFTER 03/01/2022)	1
10	105482	COUPLER DUST CAP FEMALE (BEFORE 03/01/2022)	1
10	239680	DUST CAP FEMALE COUPLER -12ISO (AFTER 03/01/2022)	1
11	106759	HOSE 1/2X164,1-1/16O-RG 12FJI	1
12	106760	HOSE 3/4X164 1-1/16O-RG 12SAE	1
13	107513	ADAPTER #16 O-RING X 1-1/4HOS	1
14	12-16 070120	ADAPTER,#12 TUBE/ #16 O-RING	1
15	125130	RD12D HYD BY PASS SRDD	1
16	157330	PLUG,, #16 ORB HEX	2
17	168193	HYDRAULIC TANK 35GAL STD	1
18	20-12 140140	REDUCER STR #20PIPE X#12 PIPE (STEEL TANK)	2
18	166735	HYD TANK ALUM 35GAL POLISHED (ALUMINUM TANK)	
19	2024-12-12S	ADAPTER 90 3/4MPT X3/4M JIC	2
20	2024-12-8S	ELBOW,90,#12NPTX#8 JIC	1
21	2047-12-12S	PIPE SWIVEL 90 MALE 3/4-14	1
22	2062-16-8S	ADAPTER 90 1 BOSSX1/2 37	1
23	3-399-010001	HOSE 1-1/4 SUCTION	8
24	3-561-010001	HOSE BARB 1-1/4 NPT	1
25	3-591-010001	HYDRAULIC GEAR PUMP	1
26	6828	IDEAL HOSE CLAMP2.25MAX-1.3MI	2
27	C3069X12	NIPPLE HYD 3/4 MPT	2
28	3-162-010001	FILLER BREATHER STRAINER ASSY (INCLUDES ITEM 30-31)	1
29	1-656-010003051	SCREW,RH HD MACH 10-24X3/4 (INCLUDED WITH ITEM 29)	6
30	223220	GASKET, HYD TANK FILLER (INCLUDED WITH ITEM 29)	2

Winch Install, Braden 12K, 1 Speed, Spring Tension (OPTION)

NOTES:

WINCH IN OPERATION SHOWN

RED = PRESSURE

BLUE = RETURN

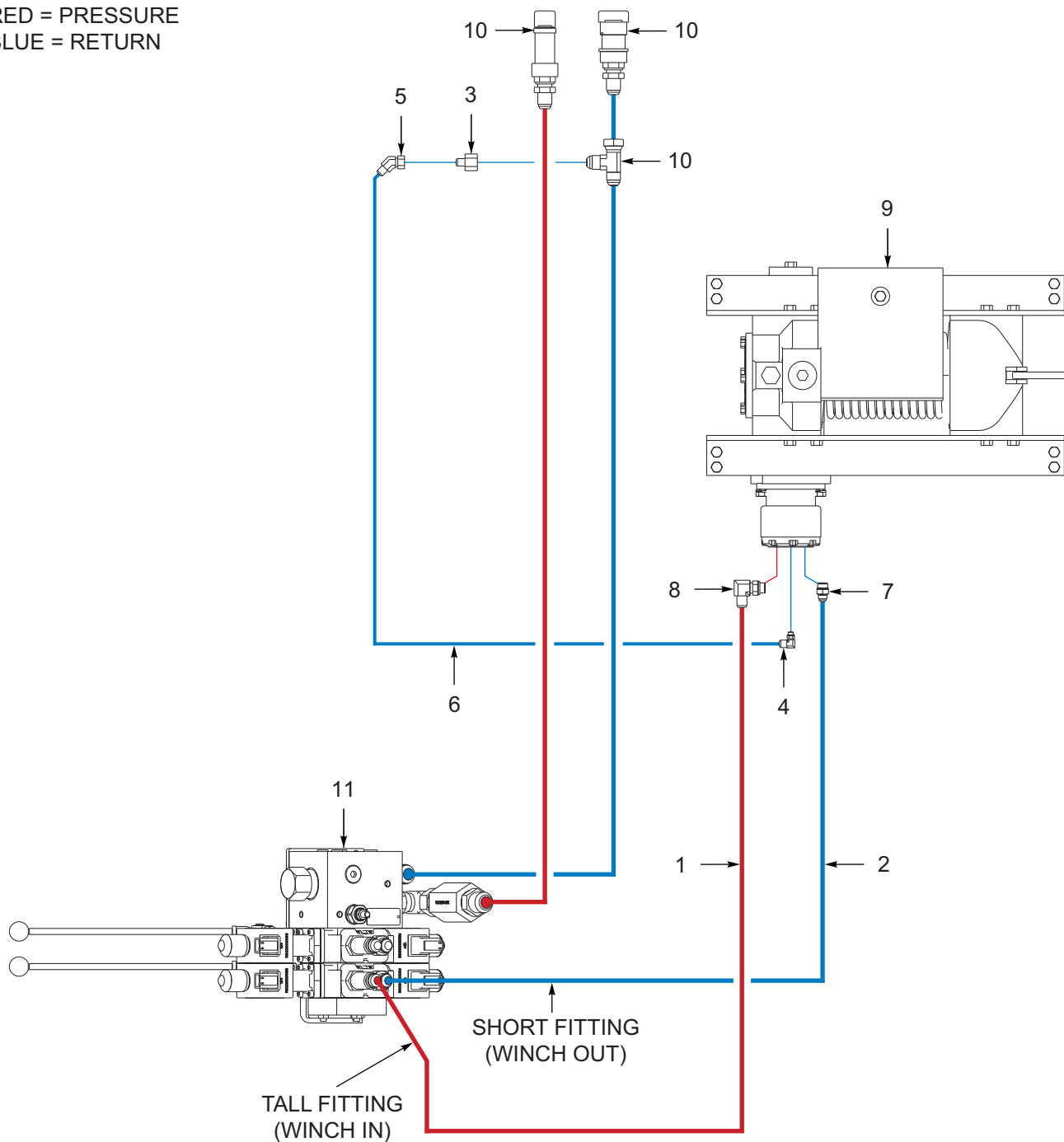


Figure 9-9: Winch Install, Braden 12K, 1 Speed, Spring Tension (OPTION)

Winch Install, Braden 12K, 1 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	204657	WINCH 12K SPG TNSN BRADEN 900 (SD)	--
	204658	WINCH 12K SPG TEN CBL RLR (SD W/ CABLE ROLLER)	--
	213113	WNH 12K SPGTSN BRADEN 900ARC (ARTIC)	--
1	1-397-010301170	HOSE ASY,1/2X170SAE37,STR-STR (SD)	1
1	139927	HOSE 1/2X170ARCTIC,JIC,STR-ST (ARTIC)	1
2	1-397-010302172	HOSE ASSY,1/2X172,SAE37,STR90 (SD)	1
2	139928	HOSE 1/2X172ARCTIC,JIC,STR-90 (ARTIC)	1
3	102-1112	REDUCER 12X8 JIC	1
4	102-1238	ADAPTER,90-#4 O-RING/#6 JIC	1
5	121031	FITTING,45EL #8M X #8F 37SWVL	1
6	125659	HOSE ASSY,3/8X48,#6JICX#8JIC (SD)	1
6	202181	HOSE ARCTIC 3/8X48 #6-#8 JIC (ARTIC)	1
7	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	1
8	2062-10-8S	ADAPTER,90, #10 O-RING-TUBE	1
9	3-873-010122	WINCH, WORM GEAR 12,000 LB (CABLE NOT INCLUDED) (ASSEMBLY - SEE PAGE 11-17)	1
10	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
10	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1
11	194395	VALVE ASSY 2-SPOOL CONTROL (ASSEMBLY - SEE PAGE 9-7)	1

Winch Install, Braden 20K, 1 Speed, Spring & Air Tension (OPTION)

NOTES:

WINCH IN OPERATION SHOWN

RED = PRESSURE

BLUE = RETURN

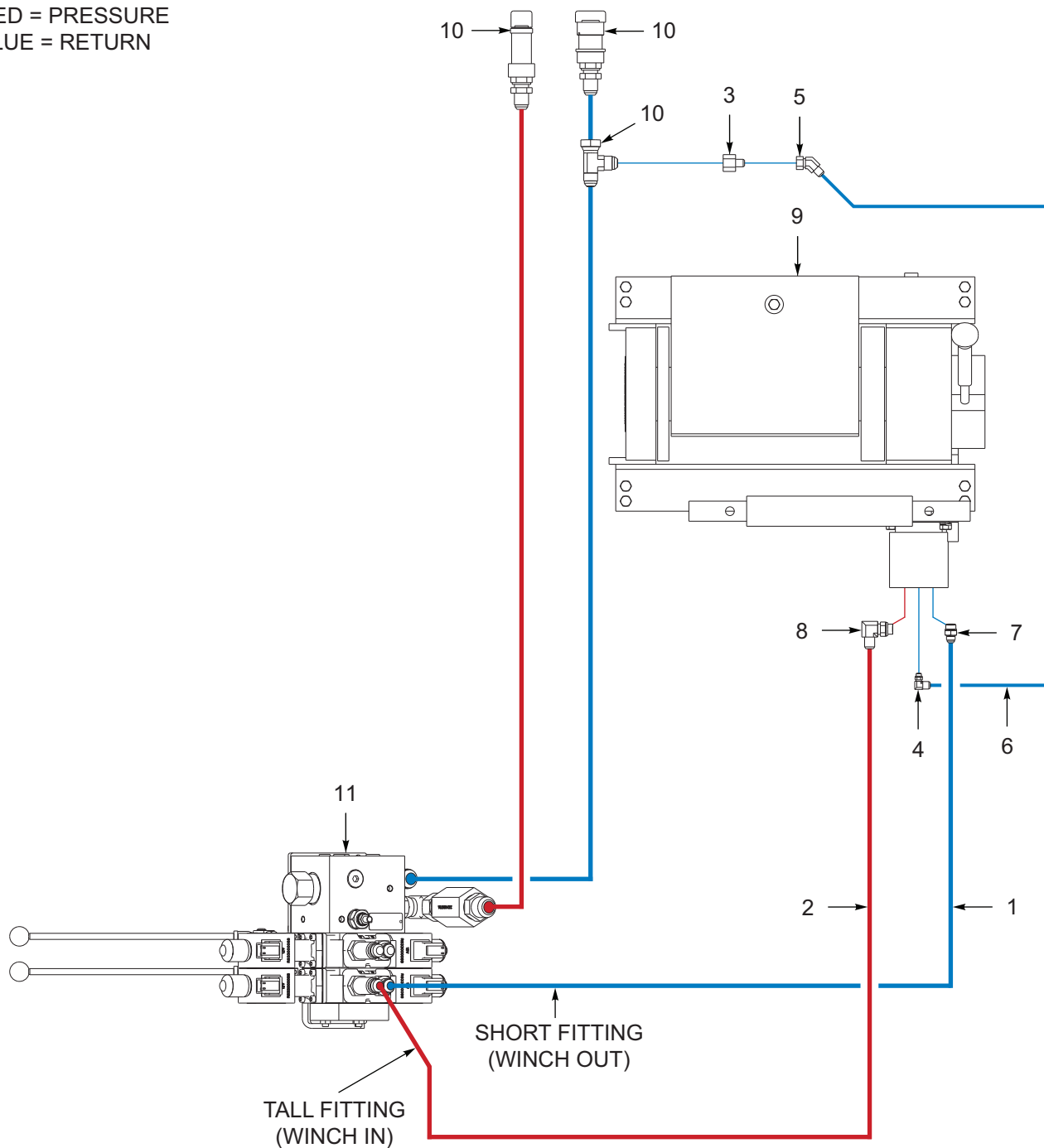


Figure 9-10: Winch Install, Braden 20K, 1 Speed, Spring & Air Tension (OPTION)

Winch Install, Braden 20K, 1 Speed, Spring & Air Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	204660	WINCH 20K SPG TNSN BRAD 900 (WO/ CABLE ROLLER)	--
	204661	WINCH 20K SPG TNSN CBL RLR 900 (W/ CABLE ROLLER)	--
	204662	WINCH 20K AIR TNSN CBL RLB 900 (AIR TENSION)	--
1	1-397-010301170	HOSE ASY,1/2X170SAE37,STR-STR	1
2	1-397-010302172	HOSE ASSY,1/2X172,SAE37,STR90	1
3	102-1112	REDUCER 12X8 JIC	1
4	102-1238	ADAPTER,90-#4 O-RING/#6 JIC	1
5	121031	FITTING,45EL #8M X #8F 37SWVL	1
6	125659	HOSE ASSY,3/8X48,#6JICX#8JIC	1
7	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	1
8	2062-10-8S	ADAPTER,90, #10 O-RING-TUBE	1
9	3-873-010123	WINCH,WORM GEAR,20,000LB BRADN (CABLE NOT INCLUDED) (ASSEMBLY - SEE PAGE 11-17)	1
10	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
10	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1
11	194395	VALVE ASSY 2-SPOOL CONTROL (ASSEMBLY - SEE PAGE 9-7)	1

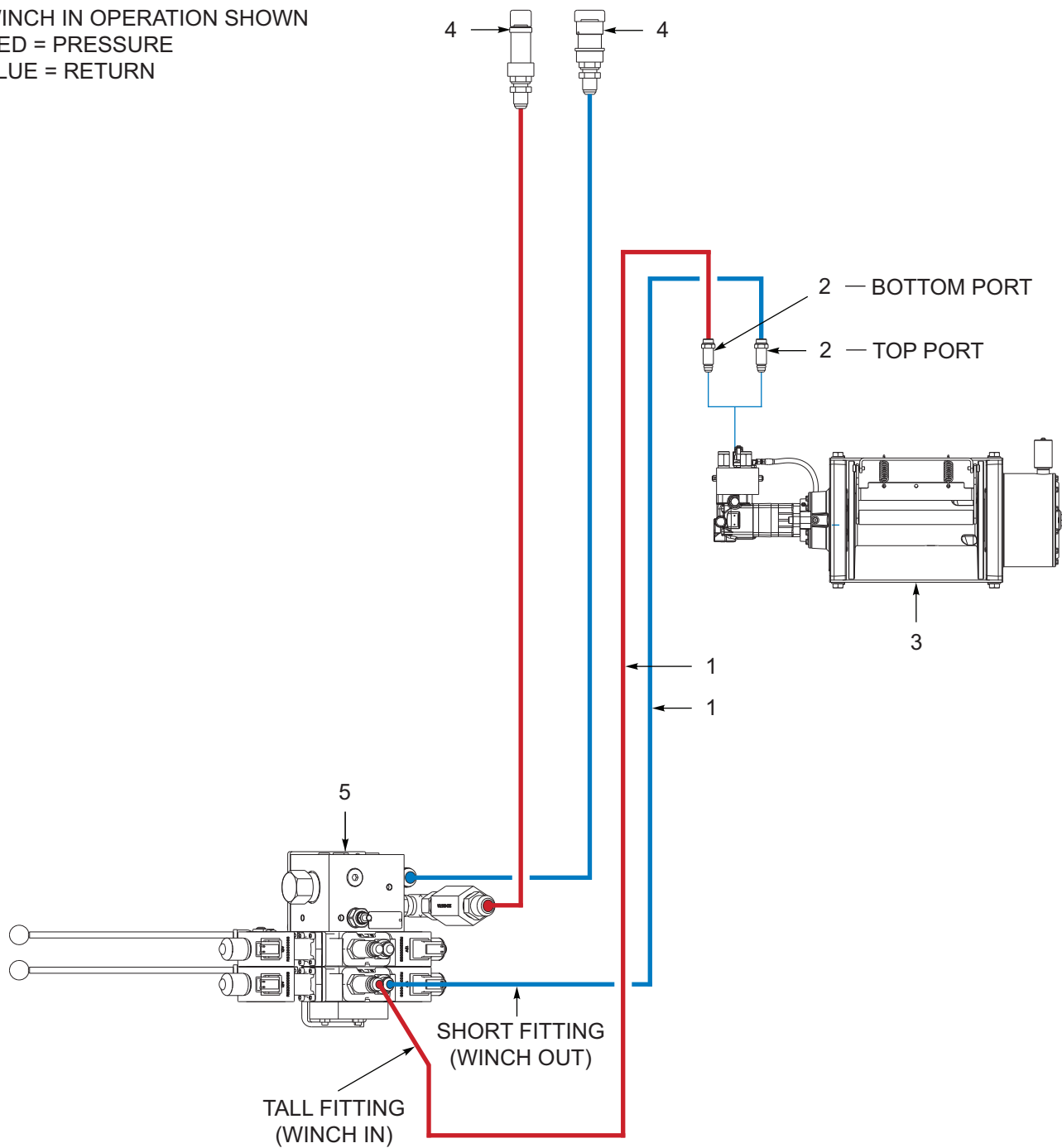
Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

NOTES:

WINCH IN OPERATION SHOWN

RED = PRESSURE

BLUE = RETURN

**Figure 9-11: Winch Install, Braden 20K / 30K, 2 Speed (OPTION)**

Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240559	WINCH INSTL 20K BRADEN 2SP 900 (20K)	--
	242682	WINCH INSTL 30K BRADEN 2SP 900 (30K)	--
1	174188	HOSE ASSY 1/2X182 SAE37 STR90	2
2	189285	ADAPTER STR LONG #10 ORB#8MJIC	2
3	239740	WINCH 20K BRADEN 2 SPEED (20K COMPONENTS - SEE PAGE 11-31)	1
3	239745	WINCH 30K BRADEN 2 SPEED (30K COMPONENTS - SEE PAGE 11-35)	1
4	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
4	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1
5	194395	VALVE ASSY 2-SPOOL CONTROL (ASSEMBLY - SEE PAGE 9-7)	1

Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

NOTES:
WINCH IN OPERATION SHOWN
RED = PRESSURE
BLUE = RETURN

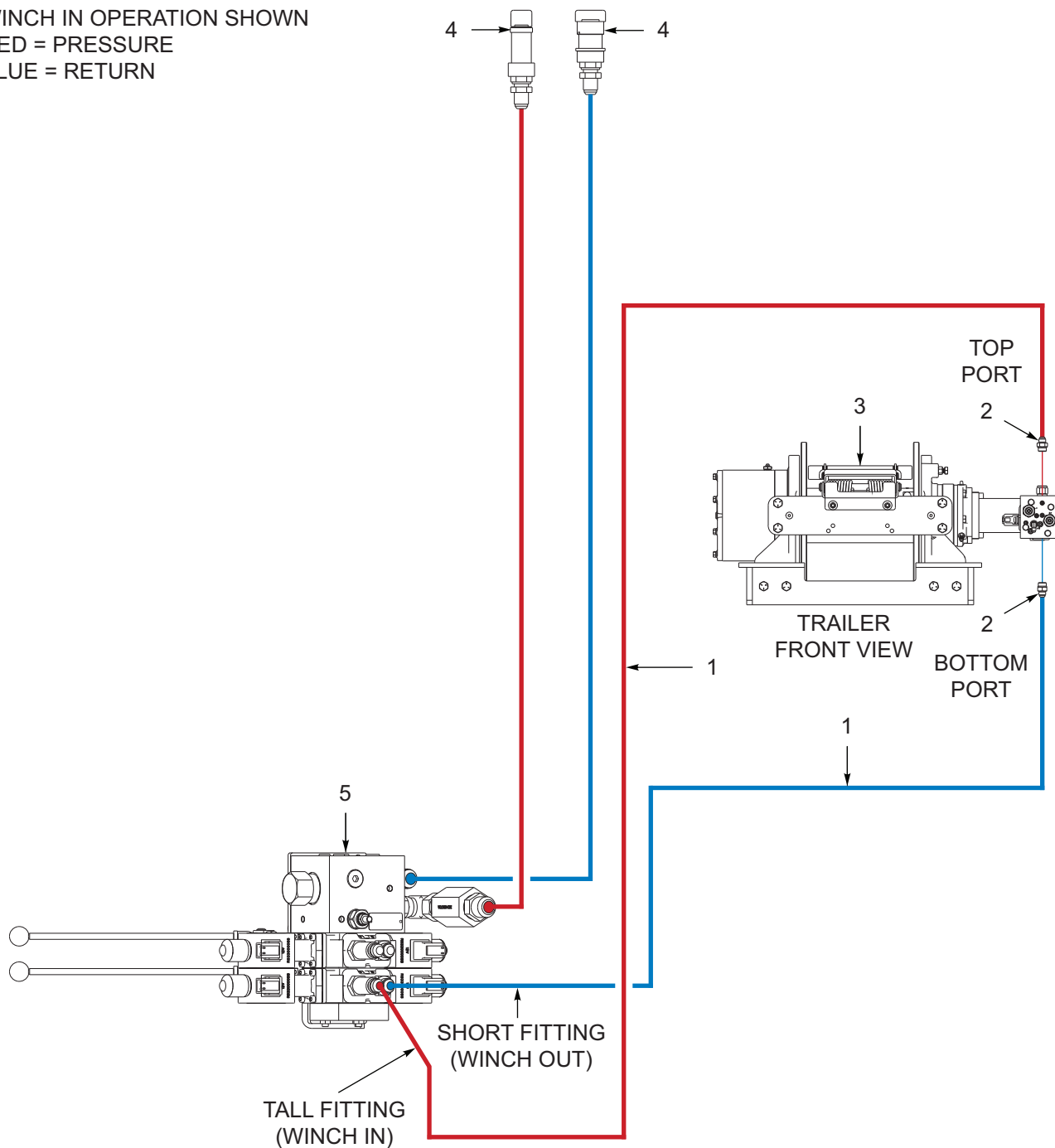


Figure 9-12: Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240546	WNCH INSTL 20KRAMSEY2SP 900STD (20K)	--
	242684	WNCH INST 30KRAMSEY2SPD 900STD (30K)	--
1	174188	HOSE ASSY 1/2X182 SAE37 STR90	2
2	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
3	240526	WINCH 20K RAMSEY 2 SPEED (20K COMPONENTS - SEE PAGE 11-39)	1
3	240528	WINCH 30K RAMSEY 2 SPEED (30K COMPONENTS - SEE PAGE 11-43)	1
4	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
4	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1
5	194395	VALVE ASSY 2-SPOOL CONTROL (ASSEMBLY - SEE PAGE 9-7)	1

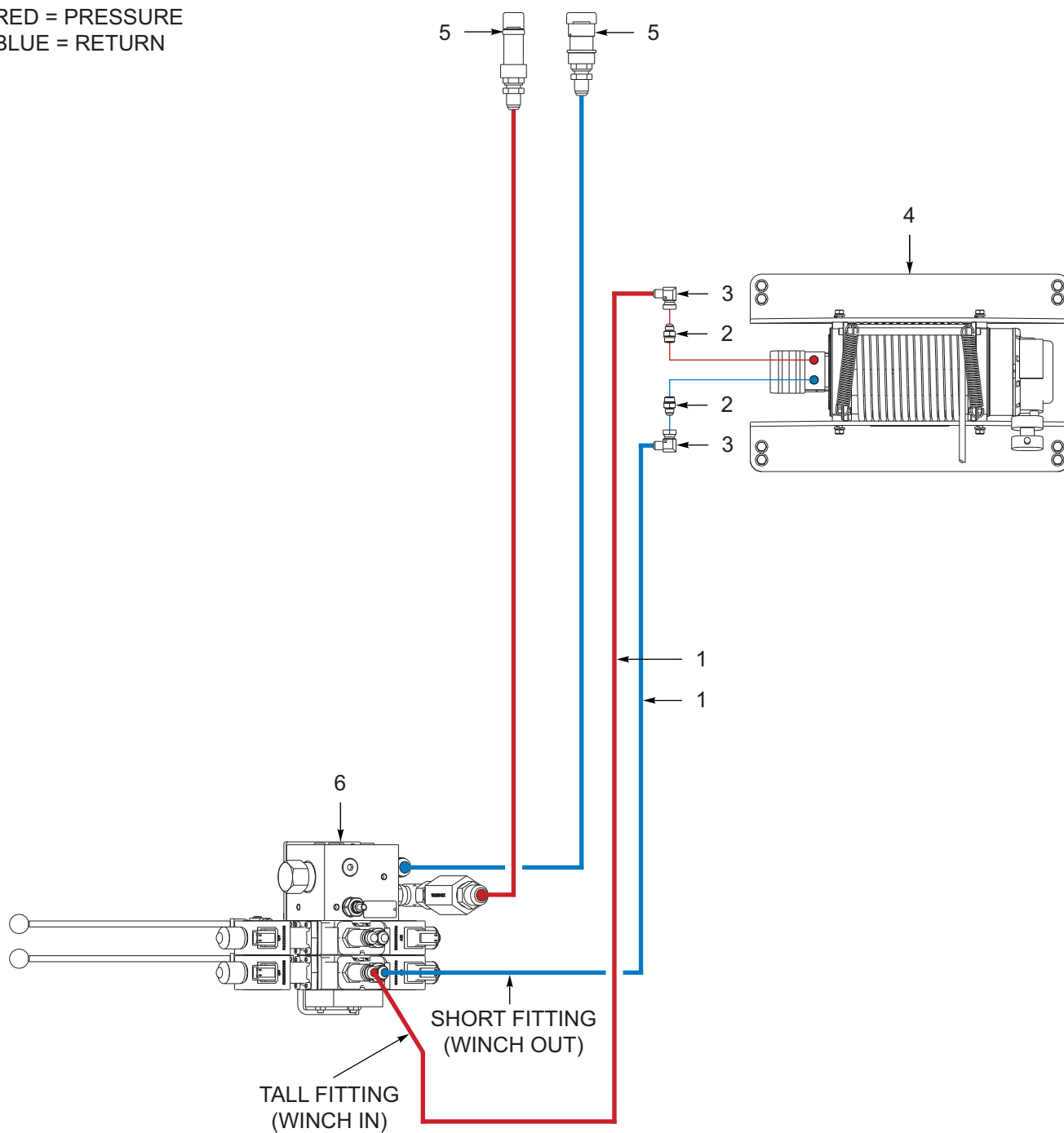
Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)

NOTES:

WINCH IN OPERATION SHOWN

RED = PRESSURE

BLUE = RETURN

**Figure 9-13: Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)**

Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196817	WINCH INSTL 12K WARN 900	- -
1	174188	HOSE ASSY 1/2X182 SAE37 STR90	2
2	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
3	2071-8-8S	ADAPTER90 #8 FLR SWIVEL #8JIC (102-0187, 4K608)	2
4	166421	WINCH 12M WARN W/LW&RMTC (COMPONENTS - SEE PAGE 11-45)	1
5	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
5	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1
6	194395	VALVE ASSY 2-SPOOL CONTROL (ASSEMBLY - SEE PAGE 9-7)	1

Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

NOTES:

WINCH IN OPERATION SHOWN

RED = PRESSURE

BLUE = RETURN

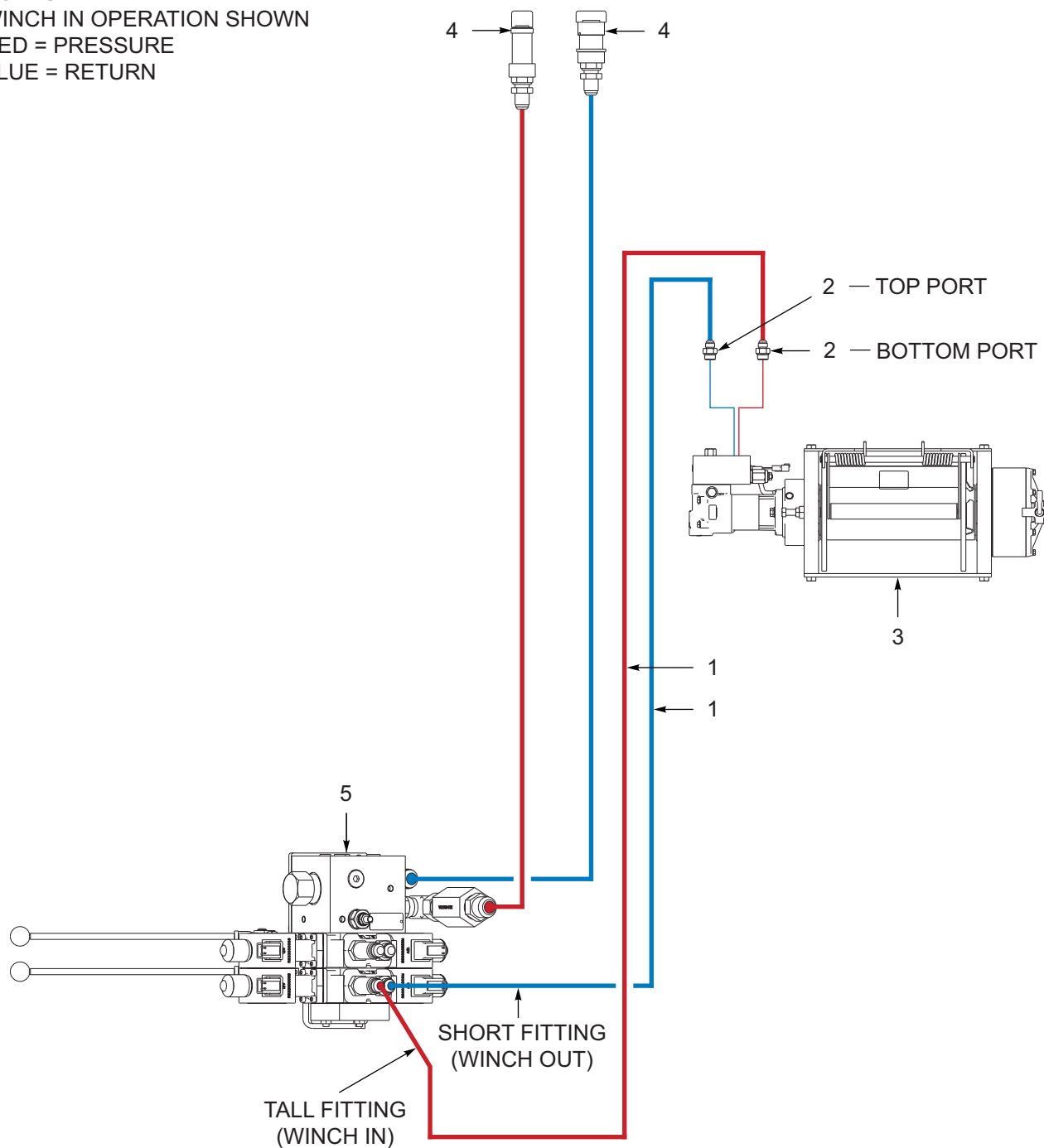


Figure 9-14: Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178383	WINCH INSTL 20KWARN 2SP 900STD (20K)	--
	204664	WINCH 30K WARN 2 SPD AIR 900 (30K)	--
1	174188	HOSE ASSY 1/2X182 SAE37 STR90	2
2	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
3	174553	WINCH ASSY WARN 20K (ASSEMBLY - SEE PAGE 11-19)	1
3	174552	WINCH ASSY WARN 30K (ASSEMBLY - SEE PAGE 11-19)	1
4	143163	CONNECTORS FRONT SUB ASSY (SEE PAGE 9-3) (BEFORE 03/01/2022 - AFTER 03/01/2020 DISCONTINUED)	1
4	238642	COUPLERS ISO FRONT SUB ASSY (SEE PAGE 9-3) (AFTER 03/01/2022 - REPLACES 143163)	1
5	194395	VALVE ASSY 2-SPOOL CONTROL (ASSEMBLY - SEE PAGE 9-7)	1

Auxiliary Power Units (OPTIONS)

Engine, 25HP, Upper Deck Assembly (OPTION)

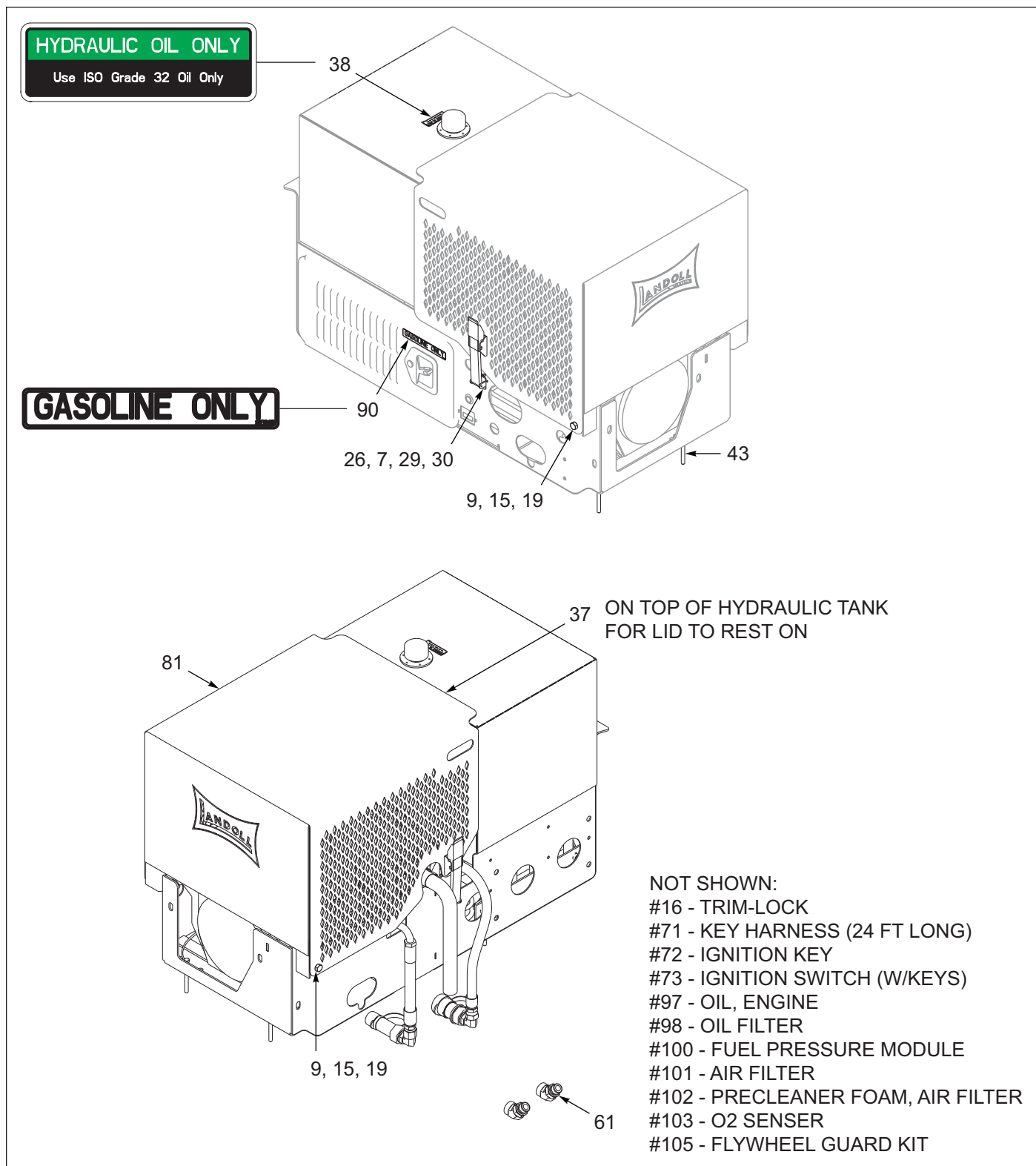


Figure 10-1: Engine, 25HP, Upper Deck Assembly (OPTION) (1 of 5)

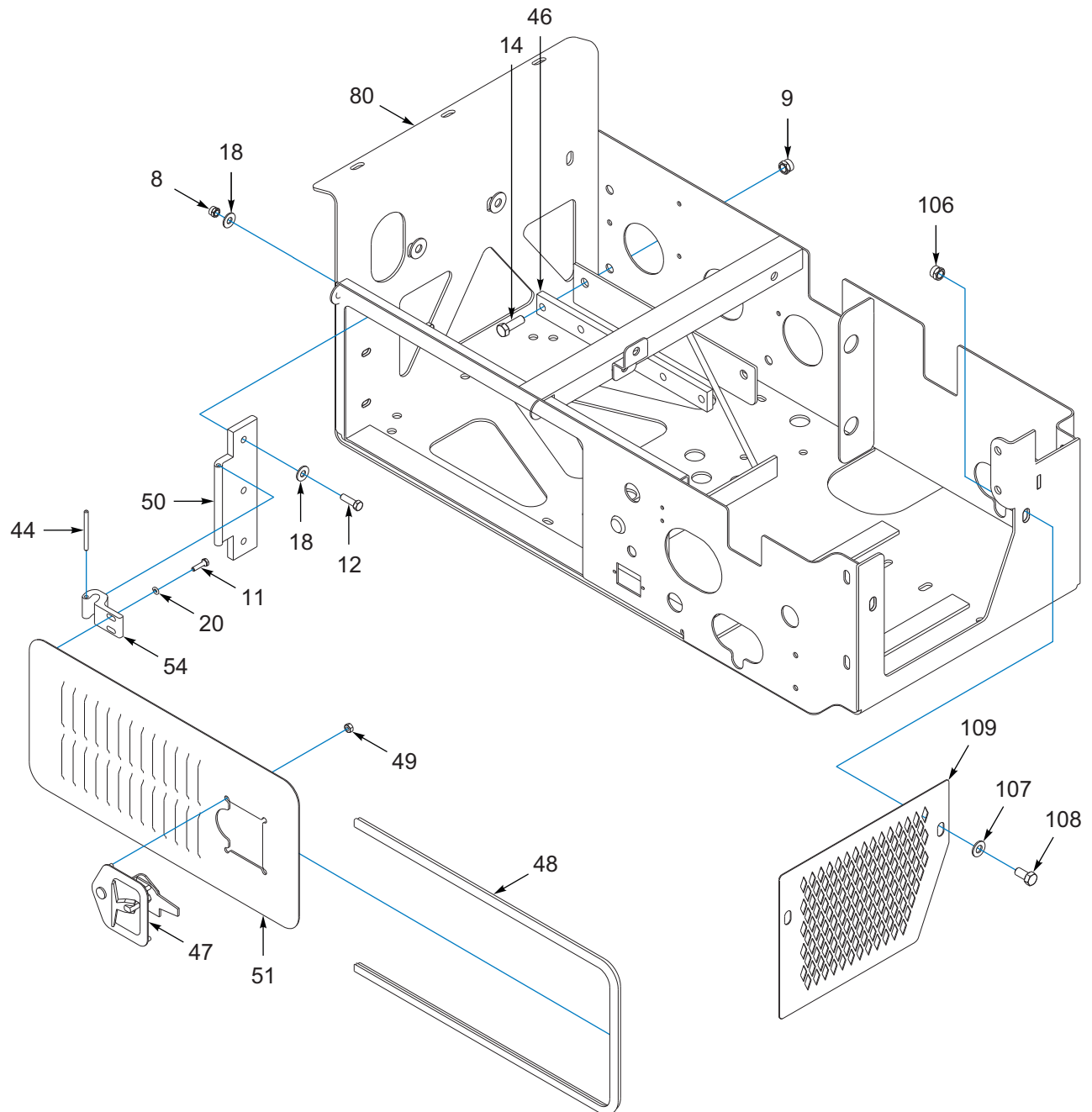


Figure 10-2: Engine, 25HP, Upper Deck Assembly (OPTION) (2 of 5)

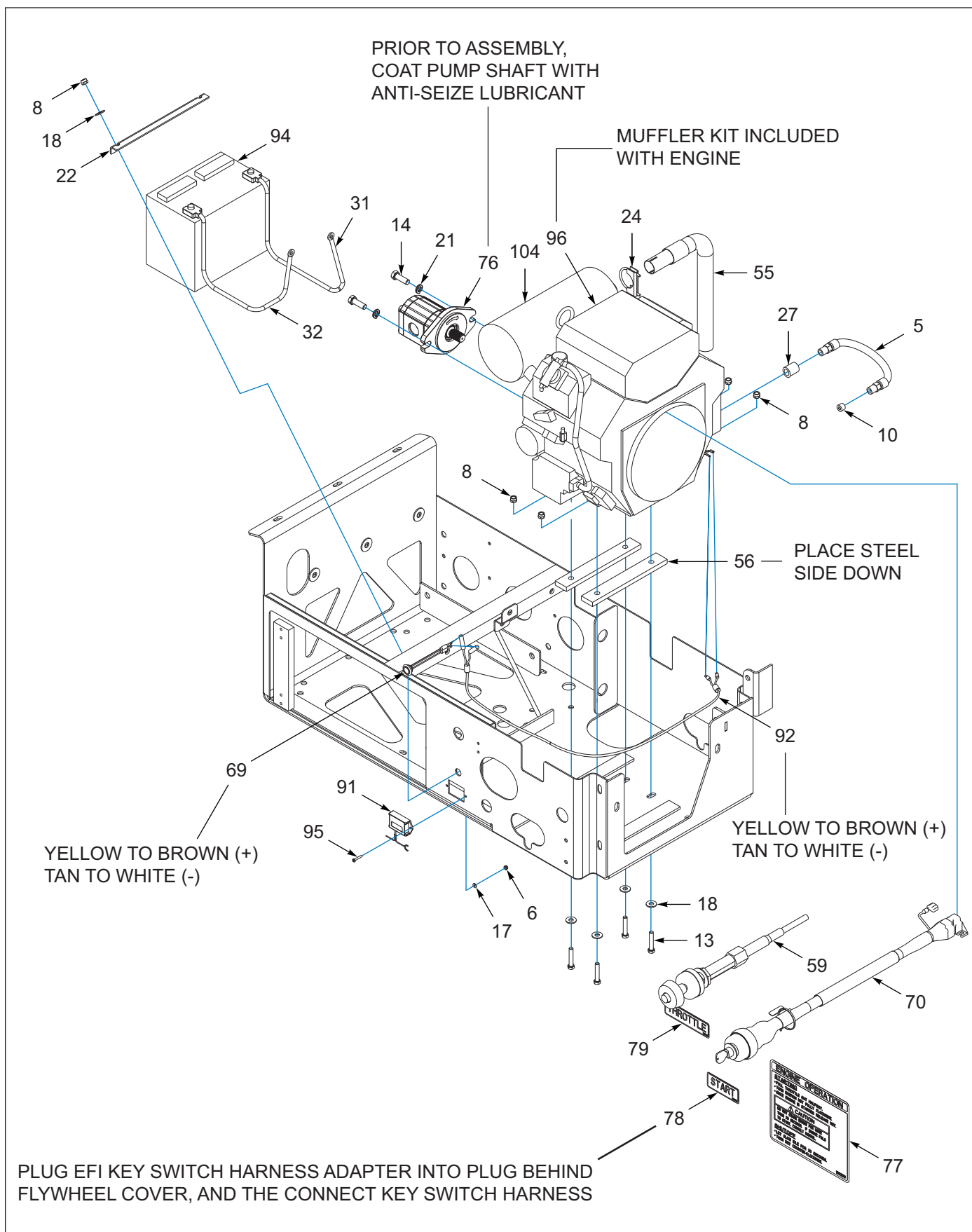


Figure 10-3: Engine, 25HP, Upper Deck Assembly (OPTION) (3 of 5)

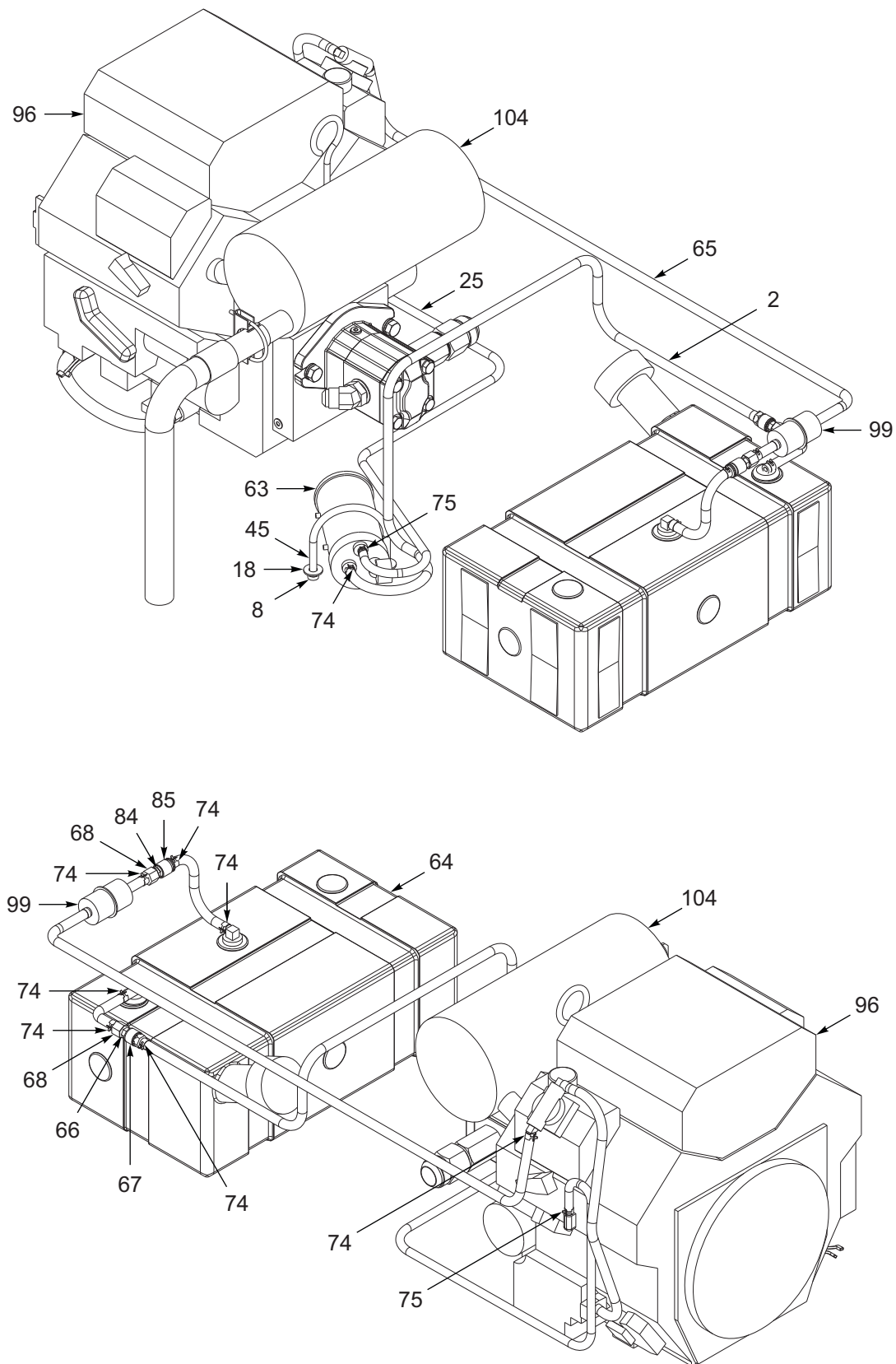


Figure 10-4: Engine, 25HP, Upper Deck Assembly (OPTION) (4 of 5)

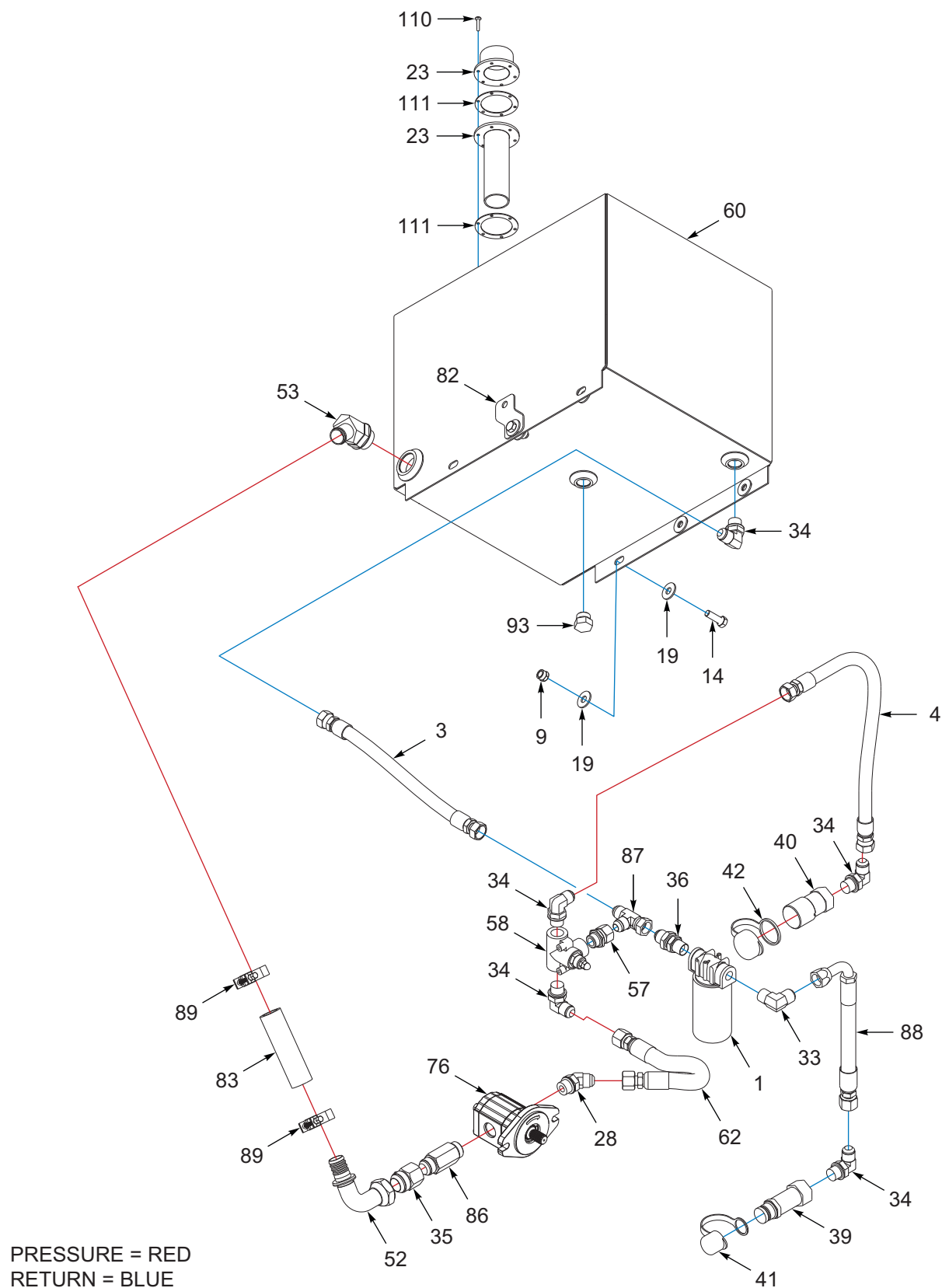


Figure 10-5: Engine, 25HP, Upper Deck Assembly (OPTION) (5 of 5)

Engine, 25HP, Upper Deck Assembly (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	189360	ENG PKG 25HP GAS EFI	--
1	1-295-010001	FILTER, RETURN LINE (1-295-010002-FILTER ONLY)	1
2	1-316-010013	HOSE, 1/4 LOW PRESSURE FUEL (BY THE FOOT)	5
3	1-397-010304018	HOSE ASSY, 3/4X18, SAE37, STR-ST	1
4	205709	HOSE ASSY 3/4 X 60 JIC #12-#16 (BEFORE 11/19/2018)	1
4	205710	ADAPTER, 37-37 JIC, 90, 16S (BEFORE 11/19/2018)	1
4	1-397-010304060	HOSE ASSY, 3/4X60, SAE37, STR-ST (AFTER 11/19/2018 - REPLACED 205709 & 205710)	1
5	1-397-010312032	HOSE ASSY, 3/8X32, 3/8 MPT ENDS	1
6	1-512-010003-03	NUT, HX 8-32, SLF-LKG W/NYL (ADDED AFTER 04/30/2019)	2
7	1-512-010004-03	NUT, HEX, SLFLK 10-24UNC, GRA	8
8	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	15
9	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 GRB	10
10	1-560-010002-03	PLUG, PIPE, 3/8NPTF	1
11	1-654-010047-06	SCREW, HX CP 1/4-20UNCX1 GR5	4
12	1-654-010051-06	SCREW, HEX CAP 3/8-16UNCX1-1/4	3
13	1-654-010051-09	SCREW, HEX CAP, 3/8-16UNCX2 GR5	6
14	1-654-010055-03	SCREW, HEX CAP, 1/2-13UNCX1-1/2	10
15	1-654-010055-13	SCREW, HEX CAP, 1/2-13UNCX4 GR5	2
16	1-822-010002	TRIM-LOK 3/16 (NOT SHOWN (BY THE FOOT))	6
17	1-861-010032-02	WASHER, FL #8 ZP/CD (ADDED AFTER 04/30/2019)	2
18	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	22
19	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	20
20	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	4
21	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	2
22	3-120-010124	BATTERY CLAMP BRKT	1
23	3-162-010001	FILLER BREATHER STRAINER ASSY (INCLUDES ITEMS 110-111)	1
24	3-182-010028	CLAMP MUFFLER	1
25	3-316-010008	3/16 ID FUEL HOSE (BY THE FOOT)	3
26	3-443-010018	LATCH, FLEX DRAW, LEVER ASSIST	2
27	3/8P COUPL	BLK PIPE COUPLING	1
28	40-0667-02	ELBOW, 45°, ST-37 12-12	1
29	110-0116	SCREW RD HD CAP 10-24X3/4	8
30	110-0253	WASHER, FLAT 3/16 STD	8
31	514-9045-30	CABLE ASSY BATTERY (POSITIVE)	1
32	514-9073-30	CABLE ASSY BATTERY (NEGATIVE)	1
33	2024-12-12S	ADAPTER 90 3/4MPT X3/4M JIC	1
34	120384	ADAPTER, #16JICX#12ORB, 90ELB (BEFORE 11/19/2018 - USED WITH 205709 & 205710 TO ATTACH TO ITEM# 58)	1
34	2062-12-12S	ADAPTER, 90, #12 O-RINGX#12TUBE (BEFORE 11/19/2018, 4 EACH - AFTER 11/19/2018 REPLACE 120384)	5
35	2215-16-20S	ADAPTER-16JIC-20JIC STR	1
36	2240-12-12S	ADAPTER, BLKHD, 3/4NPT-3/4TBE	1
37	10030	SEAL, BAR STOCK-NEOPRENE SPNG (BY THE INCH)	24
38	10109	DECAL, HYDRAULIC FLUID ONLY (ADDED AFTER 11/19/2018)	1
39	105479	COUPLER FLAT FACE MALE NOSE (PARTS - SEE PAGE 9-3) (BEFORE 03/01/2022 -SILVER BODY)	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
39	239677	COUPLER FL FACE ISO -12 MALE (PARTS - SEE PAGE 9-3) (AFTER 03/01/2022- BLACK BODY)	1
40	105480	COUPLER FLAT FACE FEMALE BODY (PARTS - SEE PAGE 9-3) (BEFORE 03/01/2022)	1
40	239678	COUPLER FL FACE ISO -12 FEMALE (PARTS - SEE PAGE 9-3) (AFTER 03/01/2022)	1
41	105481	COUPLER DUST CAP MALE (BEFORE 03/01/2022)	1
41	239679	DUST CAP -12 ISO MALE COUPLER (AFTER 03/01/2022)	1
42	105482	COUPLER DUST CAP FEMALE (BEFORE 03/01/2022)	1
42	239680	DUST CAP FEMALE COUPLER -12ISO (AFTER 03/01/2022)	1
43	108295	SCREW,HX CP 3/8-16UNCX4 GR5	2
44	108601	PIN, DOOR HINGE	2
45	110578	U-BOLT, 3/8-16 x 3-1/8 x 4-1/8	1
46	113856	MOUNT,ENG ISOLATOR,KOHLERCH25	1
47	114814	LATCH FOLDING T LOCKABLE	1
48	114815	SEAL, SPONGE RUBBER TRIM (BY THE FOOT)	5
49	115877	NUT HVY HEX 1/4-20 GR5	4
50	116326	HINGE,BASE MNT, COM ENG PKG	1
51	116328	MOUNT,DOOR WLDMT,COM ENG PKG	1
52	116330	FITTING 1.25F 37-1.25 BARB 90	1
53	117873	FITTING,1.63-12 SAE-1 25H/B45	1
54	119206	HINGE, DOOR ENG DRV, 25HP	2
55	119445	EXHAUST EXT WLDMT 25HP E/P	1
56	120659	ISOLATOR, KOHLER 25HP MOUNT	2
57	120660	ADAPTER #12-O/RFEM-12#FL M	1
58	120661	VALVE,HYD PRES,#12SAE,2500P	1
59	128774	CABLE, THROTTLE 40'	1
60	129264	HYD TANK WLDMT, 30G E/P	1
61	138209	ADAPTER HYD 45#12 MALE-FEMORB	2
62	143850	HOSE ASSY 3/4X35OAL #12F JIC	1
63	166766	CARBON CANISTER,FUEL TANK,GAS	1
64	169531	TANK,FUEL PLSTC,6 GAL,LOW PERM	1
65	169532	HOSE, FUEL,1/4 LOW PERM, CARB (BY THE FOOT)	5
66	170109	FITTING,1/4MPT TO MALE QD,FORC (BEFORE 02/01/2022, REQ 1 EACH) (AFTER 02/01/2022 OBSOLETE, USE ITEM 84, 202225)	--
67	170110	FITTING,5/16BARB TO FE QD,FORC (BEFORE 02/01/2022, REQ 1 EACH) (AFTER 02/01/2022 OBSOLETE, USE ITEM 85, 202226)	--
68	173860	FITTING,1/4 HOSE BARBX1/4 FNPT	2
69	175591	LIGHT YEL LED .75 CL.MK GROTE (ADDED AFTER 02/24/2020)	1
70	178428	SWITCH/HARNESS ASSY KOHLER UD (70A - 24 FEET LONG, STANDARD WITH ENGINE PACKAGE) (INCLUDES ITEMS 71-73)	1
70	178431	SWITCH/HARNESS ASSY KOHLER (70B - 40 FEET LONG, USED WITH SPECIAL MOUNT APPLICATIONS, NOT INCLUDED) (INCLUDES ITEMS 72-73)	1
71	178425	HARNESS ASSY KOHLER ENG HARNESS ASSY KOHLER ENG (24 FEET LONG, INCLUDED WITH ITEM 70A, NOT SHOWN)	1
72	228958	IGNITION KEYS (1 PAIR) INDAK (NOT SHOWN)	1
73	3-765-010050	SWITCH,ENG IGN,KOHLER MH22 (2509904) (NOT SHOWN)	1
74	178638	SPRING CLAMP, 1/2"OD FUEL HOSE	8

ITEM	PART NUMBER	DESCRIPTION	QTY.
75	179090	SPRING CLAMP,7/16"OD FUEL HOSE	2
76	186811	PUMP HYDRAULIC GEAR 0.77CID	1
77	189309	DECAL,EFI ENG PKG INSTR	1
78	189310	DECAL, START, ENG PKG	1
79	189311	DECAL, THROTTLE, ENG PKG	1
80	189361	WLDMT,ENG PKG MT, 25HP EFI	1
81	189364	WLDMT,HOOD,ENG PKG,25HP EFI	1
82	189369	PLATE,FUEL HOSE CLAMP	1
83	193904	HOSE, 1-1/4 X 7-1/2, SUCTION	1
84	170111	FITTING,1/4MPT TO MALE QD,SUZU (BEFORE 10/01/2016, REQ 1 EACH)	--
84	202225	FITTING 1/4 MNPT/MALE QD (REPLACES 170111 AFTER 10/01/2016) (REPLACES 170109, ITEM 66 AFTER 02/01/2022)	2
85	170112	FITTING,5/16BARB TO FE QD,SUZU (BEFORE 10/01/2016, REQ 1 EACH)	--
85	202226	FITTING5/16 HOSEBARB/FEMALE QD (REPLACES 170112 AFTER 10/01/2016) (REPLACES 170110, ITEM 67 AFTER 02/01/2022)	2
86	202713-16-16S	ADAPTER-16O-RING-16JIC STR	1
87	203102-12-12S	ADAPTER,TEE, #12, SAE37 SWIVL	1
88	205712	HOSE ASSY 3/4 X 60,#12 SAE 37	1
89	209878	HOSE CLAMP T-BOLT25/32 X 1-3/4	2
90	218046	DECAL GASOLINE ONLY (ADDED AFTER 11/19/2018)	1
91	220977	METER HOUR/TACH DIGITAL (ADDED AFTER 04/30/2019)	1
92	223219	ENG MIL EXT ADAPTER HARNESS (ADDED AFTER 02/24/2020)	1
93	900598-12S	PLUG, O-RING BOSS #12	1
94	2481X	BATTERY 12 VOLT	1
95	85G816E	SCREW,PAN.HD #8-32X1 (ADDED AFTER 04/30/2019)	2
96	189308	ENGINE,KOHLER,25HP,EFI,PUMP (CH740-3052)	1
97	1410792	OIL, ENGINE 10W-30 (NOT SHOWN) (BY THE GALLON)	.5
98	170114	OIL FILTER KOHLER CH740 (NOT SHOWN)	1
99	199105	FUEL FILTER KOHLER 25-050-42-S (INCLUDES HOSE CLAMPS)	1
100	210377	FUEL PRESSURE MODULE ECH740 (NOT SHOWN)	1
101	162041	REPLACEMENT AIR FILTER (NOT SHOWN)	1
102	162042	REPLACEMENT AIR FOAM (NOT SHOWN)	1
103	218060	SENSOR O2 KOHLER ECH740-3052 (NOT SHOWN)	1
104	189374	MUFFLER,KOHLER 25HP EFI, 02 SN	1
105	232033	ENGINE PKG GUARD KIT FI (FLYWHEEL GUARD) (INCLUDES ITEMS 106-109) (ADDED AFTER 09/29/2020)	1
106	1-512-010005-10	NUT HEX 1/2-20 SLF-LKG GRB	2
107	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	2
108	162248	SCREW HX CP 1/2-20UNF X 1 GR5	2
109	232034	ENGINE PKG ADD GUARD	1
110	1-656-010003051	SCREW,RH HD MACH 10-24X3/4 (INCLUDED WITH ITEM 23)	6
111	223220	GASKET, HYD TANK FILLER (INCLUDED WITH ITEM 23)	2

Engine, 25HP, Slope Deck Assembly (OPTION)

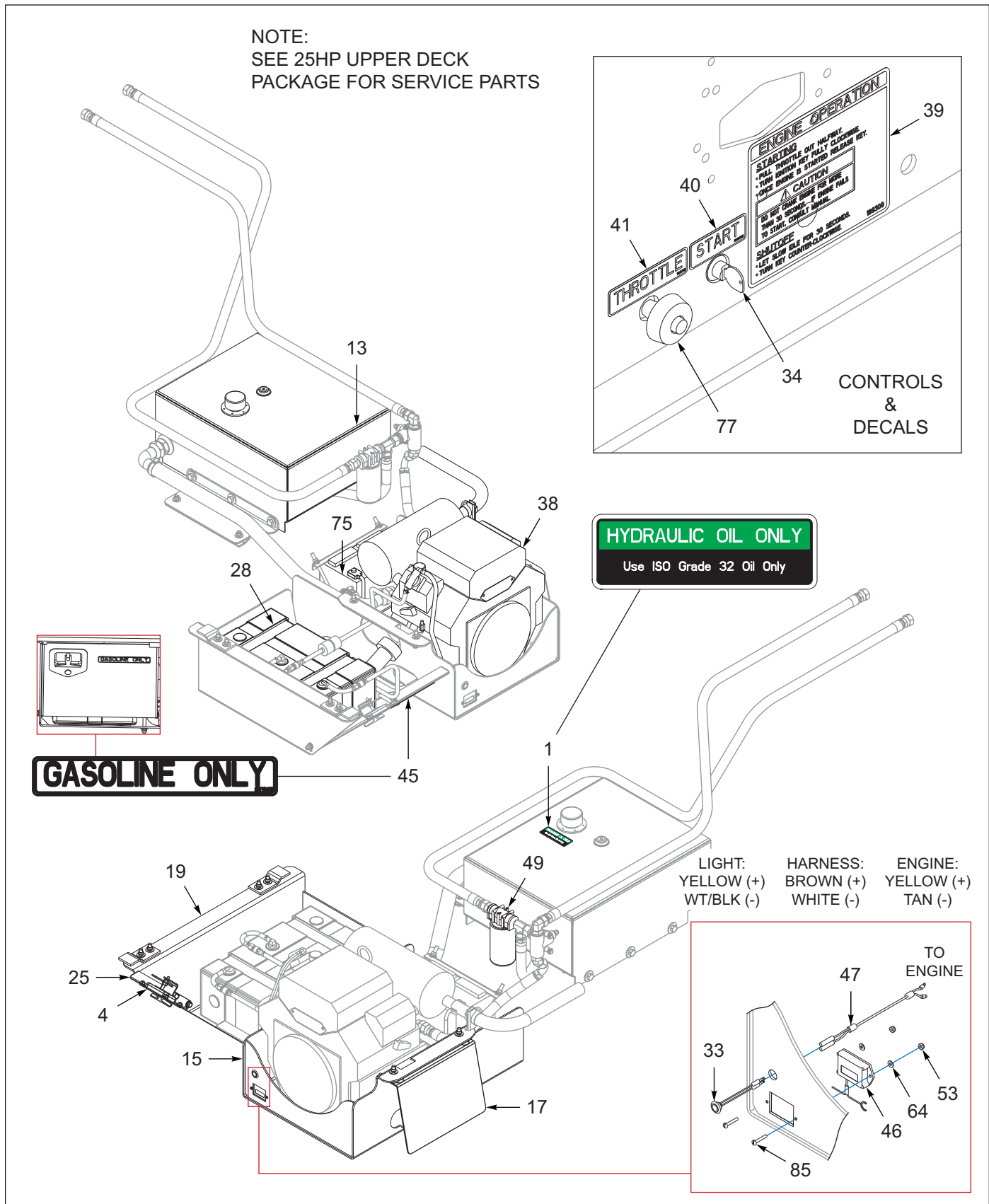


Figure 10-6: Engine, 25HP, Slope Deck Assembly (OPTION) (1 of 4)

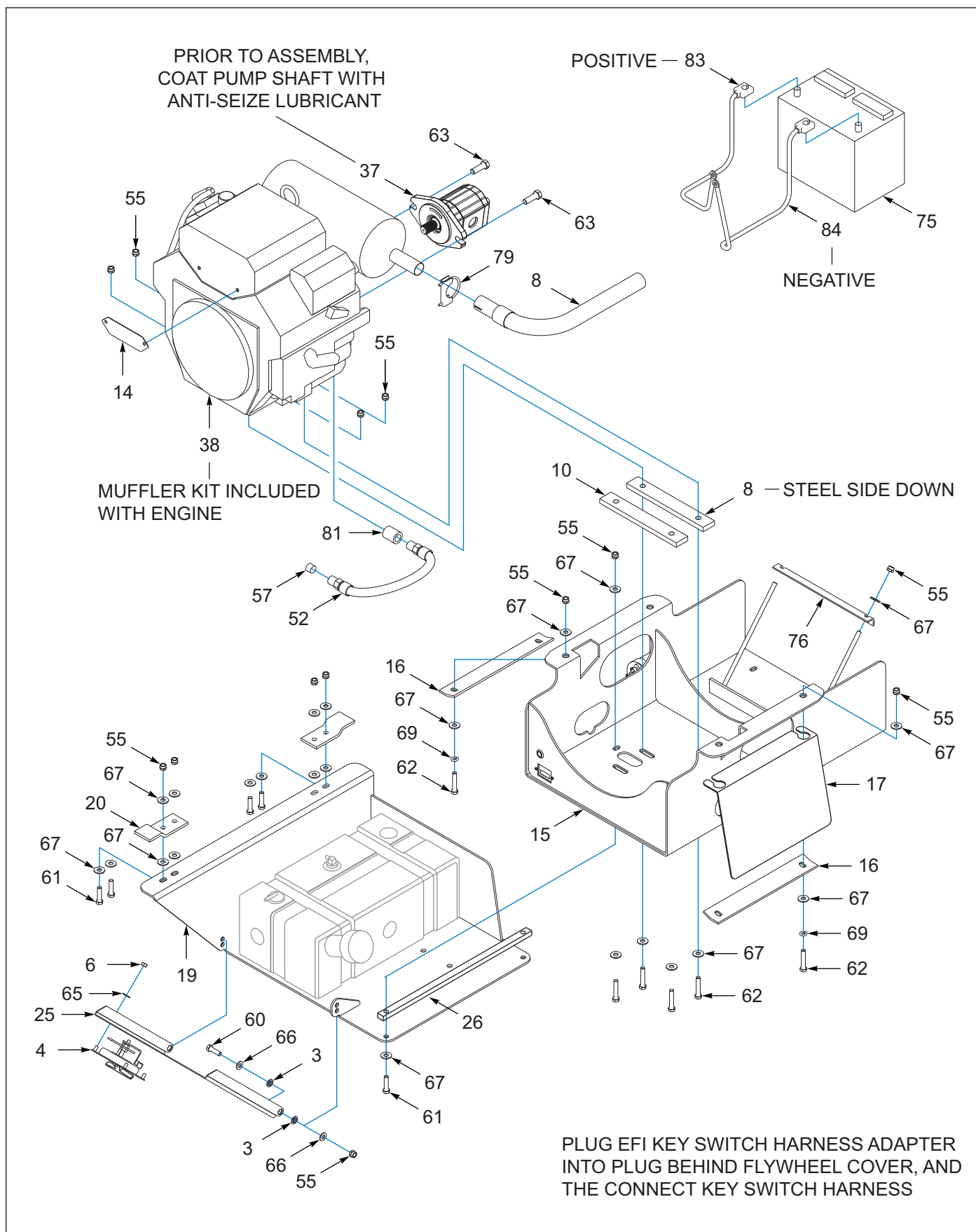
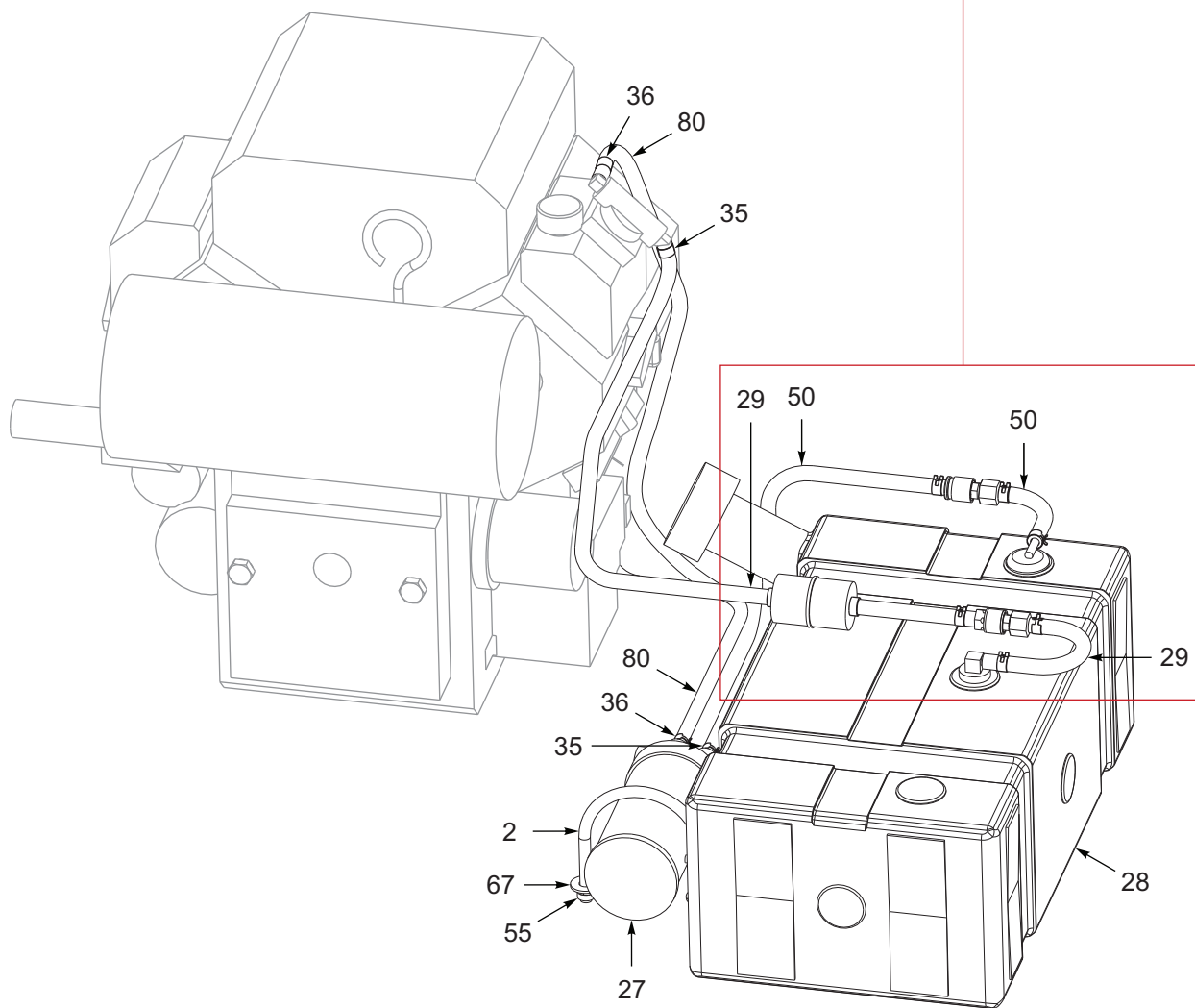


Figure 10-7: Engine, 25HP, Slope Deck Assembly (OPTION) (2 of 4)

1-295-010002 - FILTER (PART OF ITEM# 49)



F-1004-2311

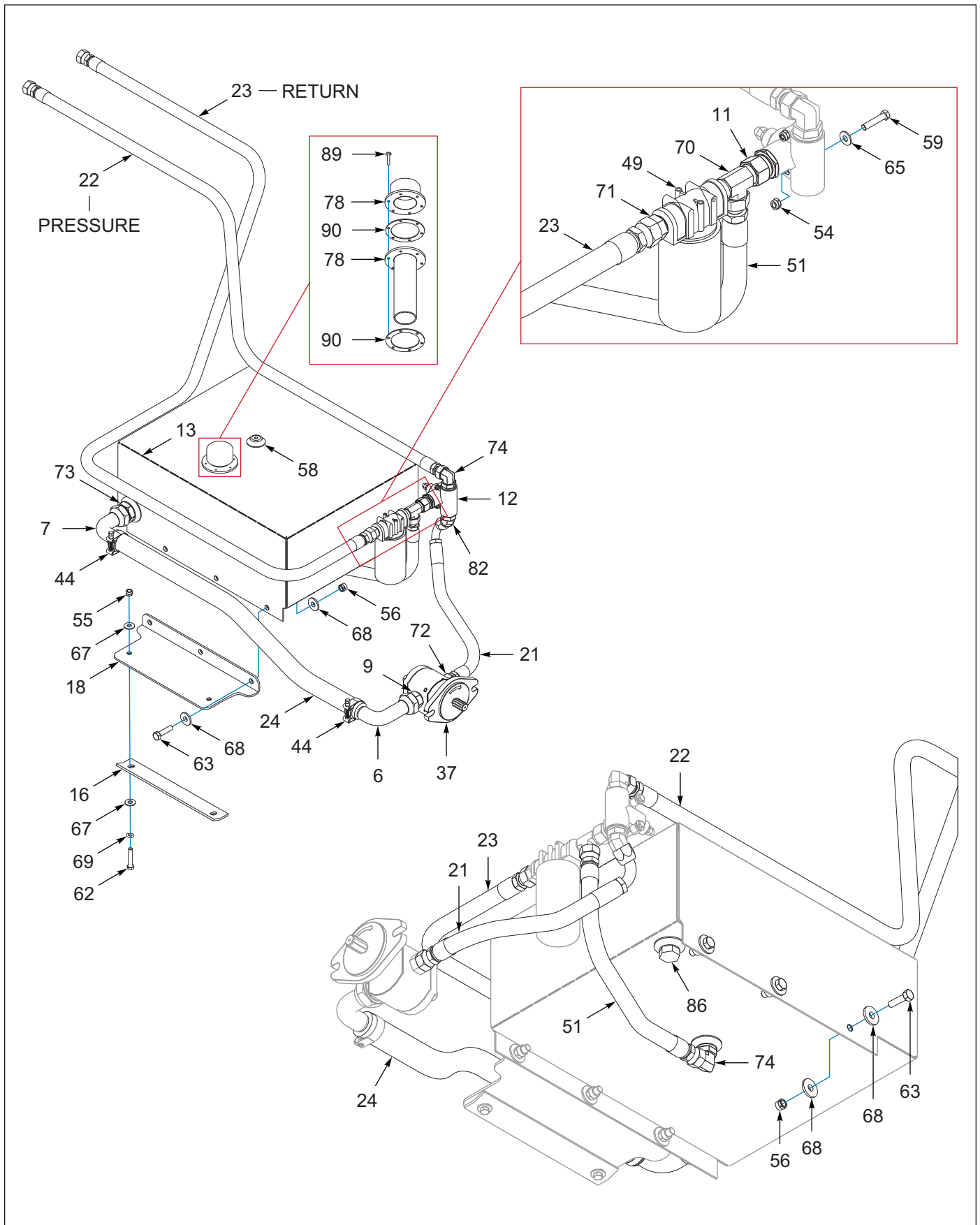


Figure 10-9: Engine, 25HP, Slope Deck Assembly (OPTION) (4 of 4)

Engine, 25HP, Slope Deck Assembly (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	138160	ENG PKG 27HP 930B SLOPE	--
1	10109	DECAL, HYDRAULIC FLUID ONLY (ADDED 12/04/2018)	1
2	110578	U-BOLT, 3/8-16 x 3-1/8 x 4-1/8	1
3	112248	NYLON SHOULDER WASHER	4
4	114814	LATCH FOLDING T LOCKABLE (INCLUDES ITEM 5)	1
5	CH545	TOOL BOX KEY (INCLUDED WITH ITEM 4) (NOT SHOWN)	1
6	115877	NUT HVY HEX 1/4-20 GR5	4
7	116330	FITTING 1.25F 37-1.25 BARB 90 (202702-16-20S)	2
8	119445	EXHAUST EXT WLDMT 25HP E/P	1
9	119553	CONNECTOR,O-RING/37FL,20-16	1
10	120659	ISOLATOR, KOHLER 25HP MOUNT	2
11	120660	ADAPTER #12-O/RFEM-12#FL M	1
12	120661	VALVE,HYD PRES,#12SAE,2500P	1
13	120662	HYD TANK WLDMT, 15G E/P	1
14	123014	PLATE, MOTOR FRONT, 25HP E/P	1
15	138114	BASE WLDMT ENG PKG 930B	1
16	138144	CLAMP ENG PKG 930B	3
17	138145	SHIELD ENG PKG 930B	1
18	138146	BRACKET TANK MOUNT 930B	1
19	138192	TRAY WLDMT GAS TANK 930 ENG	1
20	138206	MOUNT TRAY GAS TANK	2
21	138818	HOSE ASSY 3/4X24 SAE37 STR 90	1
22	139071	HOSE 3/4 X 72 SAE 37 STR-STR	1
23	139072	HOSE 3/4X105SAE 37 STR-STR	1
24	139073	HOSE 1-1/4ID X 33IN SUCTION	1
25	156171	DOOR GAS TANK TRAY	1
26	156173	SPACER 1/2" FUEL TANK TRAY	1
27	166766	CARBON CANISTER,FUEL TANK,GAS	1
28	169531	TANK,FUEL PLSTC,6 GAL,LOW PERM (104699-TANK W/GUAGE, 169531-TANK W/VENT)	1
29	169532	HOSE, FUEL,1/4 LOW PERM, CARB (BY THE FOOT)	3
30	170109	FITTING,1/4MPT TO MALE QD,FORC (BEFORE 02/01/2022, REQ 1 EACH) (AFTER 02/01/2022 OBSOLETE, USE ITEM 42, 202225)	1
31	170110	FITTING,5/16BARB TO FE QD,FORC (BEFORE 02/01/2022, REQ 1 EACH) (AFTER 02/01/2022 OBSOLETE, USE ITEM 43, 202226)	1
32	173860	FITTING,1/4 HOSE BARBX1/4 FNPT	2
33	175591	LIGHT YEL LED .75 CL.MK GROTE (ADDED 02/25/2020)	1
34	178428	SWITCH & HARNESS KIT KOHLER UD (3-765-010050-SWITCH ONLY, 228958-KEY ONLY)	1
35	178638	SPRING CLAMP, 1/2"OD FUEL HOSE	8
36	179090	SPRING CLAMP,7/16"OD FUEL HOSE	2
37	186811	PUMP HYDRAULIC GEAR 0.77CID	1
38	189308	ENGINE,KOHLER,25HP,EFI,PUMP (SERVICE PARTS- SEE PAGE 10-1)	1
39	189309	DECAL,EFI ENG PKG INSTR	1
40	189310	DECAL, START, ENG PKG	1
41	189311	DECAL, THROTTLE, ENG PKG	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
42	170111	FITTING,1/4MPT TO MALE QD,SUZU (BEFORE 10/01/2016, REQ 1 EACH)	--
42	202225	FITTING 1/4 MNPT/MALE QD (REPLACES 170111 AFTER 10/01/2016) (REPLACES 170109, ITEM 30 AFTER 02/01/2022)	2
43	170112	FITTING,5/16BARB TO FE QD,SUZU (BEFORE 10/01/2016, REQ 1 EACH)	--
43	202226	FITTING5/16 HOSEBARB/FEMALE QD (REPLACES 170112 AFTER 10/01/2016) (REPLACES 170110, ITEM 31 AFTER 02/01/2022)	1
44	1-181-010046-7	CLAMP,HOSE 1-1/16 TO 2DIA #24 (BEFORE 12/06/2017)	2
44	209878	HOSE CLAMP T-BOLT25/32 X 1-3/4 (AFTER 12/06/2017)	2
45	218046	DECAL GASOLINE ONLY (ADDED 12/04/2018)	1
46	220977	METER HOUR/TACH DIGITIAL (ADDED 04/30/2019)	1
47	223219	ENG MIL EXT ADAPTER HARNESS (ADDED 02/25/2020)	1
48	1410792	OIL, ENGINE 10W-30 (NOT SHOWN)	.5
49	1-295-010001	FILTER, RETURN LINE (1-295-010002-FILTER ONLY)	1
50	1-316-010013	HOSE,1/4 LOW PRESSURE FUEL	3
51	1-397-010304025	HOSE ASSY,3/4X25,SAE37,STR-ST	1
52	1-397-010312032	HOSE ASSY,3/8X32,3/8 MPT ENDS (ADDED 12/01/2016)	1
53	1-512-010003-03	NUT,HX 8-32,SLF-LKG W/NYL (ADDED 04/30/2019)	2
54	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
55	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	22
56	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	6
57	1-560-010002-03	PLUG, PIPE, 3/8NPTF (ADDED 12/01/2016)	1
58	1-560-010002-04	PLUG, PIPE, 1/2NPT	1
59	1-654-010047-09	SCREW,HX CP,1/4-20UNCX1-3/4G5	2
60	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	2
61	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	8
62	1-654-010051-09	SCREW,HEX CAP,3/8-16UNCX2 GR5	8
63	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	8
64	1-861-010032-02	WASHER,FL #8 ZP/CD (ADDED 04/30/2019)	2
65	1-861-010032-07	WASHER,FLAT 1/4 ZP	6
66	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	4
67	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	36
68	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	12
69	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	4
70	102-0204	ADAPTER EXTERNALPIPE/37 FLARE	1
71	2021-12-12S	ADAPTER 3/4M PIPE X1-1/16MJIC (118-2679-21)	1
72	202702-12-12S	ADAPTER,#12 O-RING X #12 TUBE	1
73	202702-20-20S	ADAPTER #20 O-RING #20 TUBE (102-1092)	1
74	2062-12-12S	ADAPTER,90,#12 O-RINGX#12TUBE	2
75	2481X	BATTERY 12 VOLT	1
76	3-120-010124	BATTERY CLAMP BRKT	1
77	3-155-010012	CABLE THROTTLE (200108-HEAD ASSY, 01-5000-05 BULK HEAD FITTING)	1
78	3-162-010001	FILLER BREATHER STRAINER ASSY (INCLUDES ITEMS 89-90)	1
79	3-182-010028	CLAMP MUFFLER	1
80	3-316-010008	3/16 ID FUEL HOSE (BY THE FOOT)	3

ITEM	PART NUMBER	DESCRIPTION	QTY.
81	3/8P COUPL	BLK PIPE COUPLING (ADDED 12/01/2016)	1
82	40-0667-02	ELBOW,45,,ST-37 12-12	1
83	514-9045-26	CABLE ASSY BATTERY POSITIVE	1
84	514-9073-18	CABLE ASSY BATTERY NEG 18 LNG	1
85	85G816E	SCREW,PAN.HD #8-32X1 (ADDED 04/30/2019)	2
86	900598-12S	PLUG, O-RING BOSS #12 (12 090109)	1
87	199105	FUEL FILTER KOHLER 25-050-42-S (INCLUDES HOSE CLAMPS)	1
88	210377	FUEL PRESSURE MODULE ECH740 (NOT SHOWN)	1
89	1-656-010003051	SCREW,RH HD MACH 10-24X3/4 (INCLUDED WITH ITEM 78)	6
90	223220	GASKET, HYD TANK FILLER (INCLUDED WITH ITEM 78)	2

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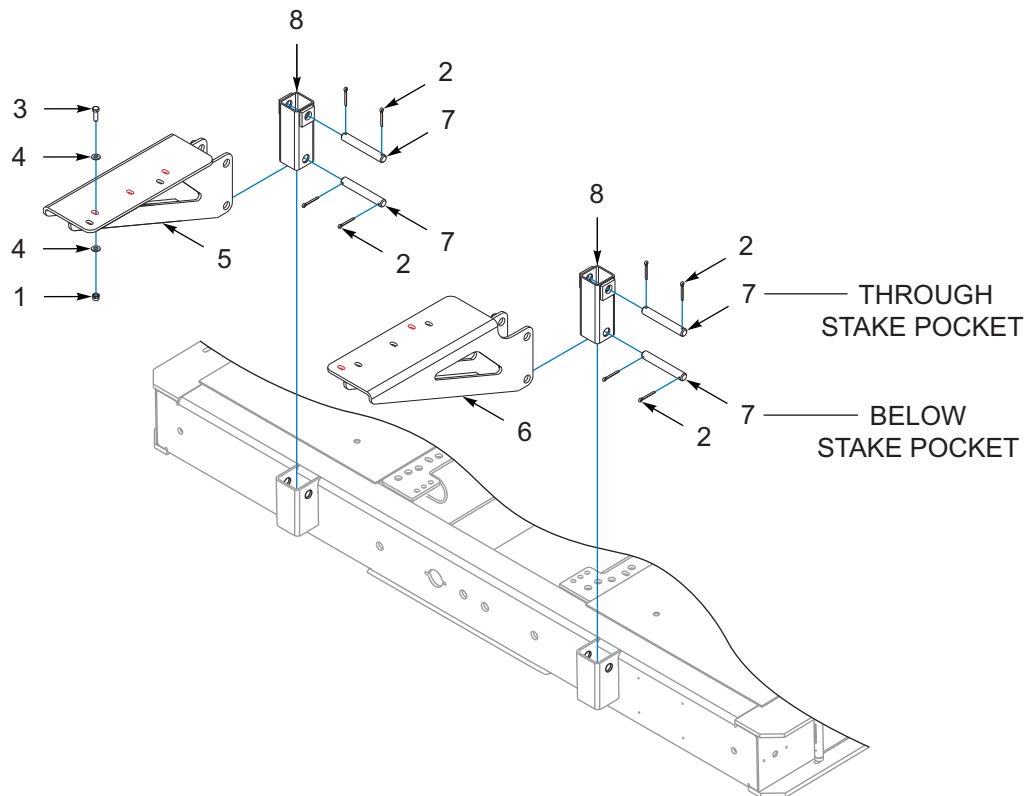
Mount, Front, Extension (OPTIONS)

NOTE:

WO/ BULKHEAD OPTION - ITEMS 1-8

W/ BULKHEAD OPTION - ITEMS 1-7

RED = ENGINE PACKAGE MOUNT HOLES



WO/ BULKHEAD OPTION SHOWN

Figure 10-10: Mount, Front, Extension (OPTIONS)

Mount, Front, Extension (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	147471	MOUNT INSTL FRT EXT ENG PKG (INCLUDES ITEMS 1-7)	--
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	5
2	1-557-010362-63	PIN,COTTER 1/4X2 ZP	8
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	5
4	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	10
5	147468	BRACKET WLDMT RH ENG MT	1
6	147469	BRACKET WLDMT LH ENG MT	1
7	3-557-010380	PIN, SUPPORT BULKHEAD	4
8	3-482-010249	MOUNT WLDMT BULKHEAD	2
(ONLY REQUIRED WHEN NO BULKHEAD IS AVAILABLE)			

Mount, Front, Extension, Bolt-On (OPTION)

NOTE:
RED = ENGINE PACKAGE MOUNT HOLES

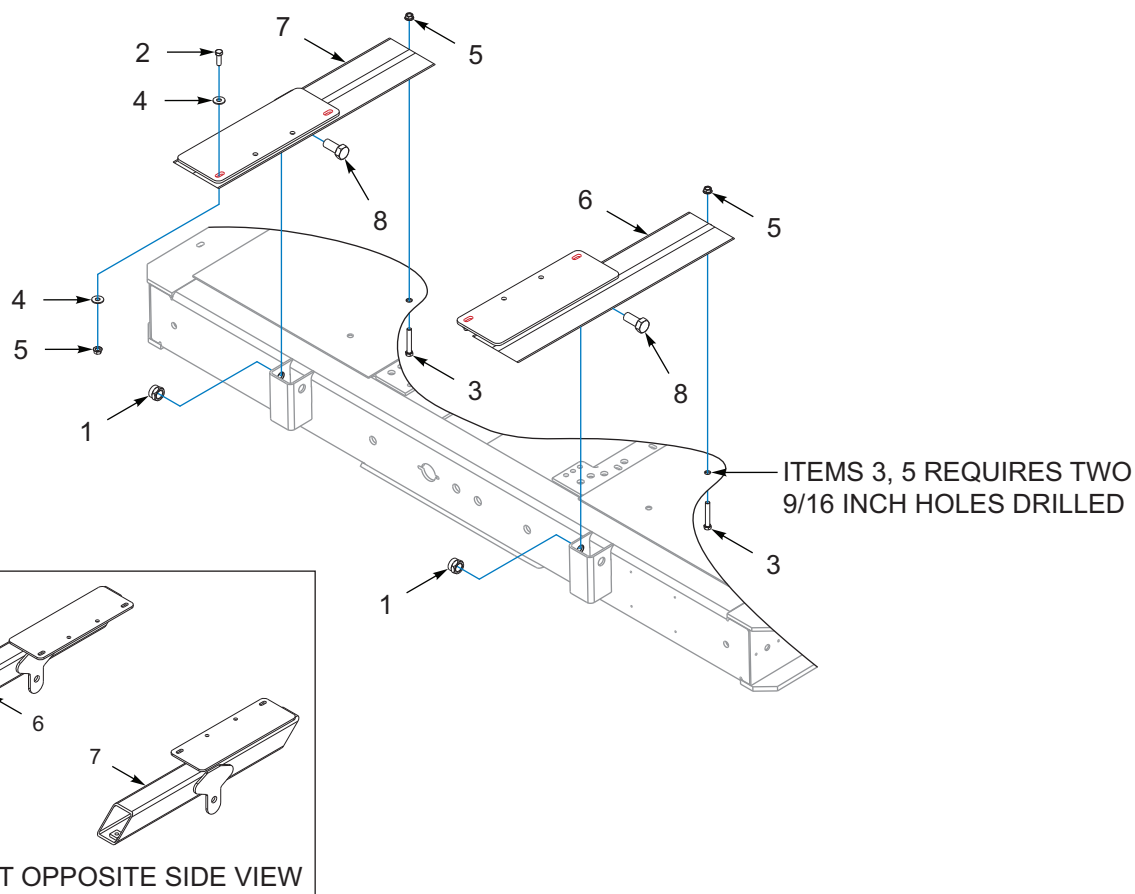


Figure 10-11: Mount, Front, Extension, Bolt-On (OPTION)

Mount, Front, Extension, Bolt-On (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	136580	FRONT MT INSTL KIT ENG PKG	--
1	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	2
2	1-654-010055-03	SCREW, HEX CAP 1/2-13UNCX1-1/2	4
3	1-654-010055-10	SCREW HEX CAP 1/2-13X3-1/4GR5	2
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	8
5	124971	NUT HX FLG 1/2-13 SPIRALOCK	6
6	136581	MOUNT WLDMT LH FRONT ENG PKG	1
7	136582	MOUNT WLDMT RH FRONT ENG PKG	1
8	137943	SCREW, HEX CAP 1-8UNCX2-1/4GR5	2

Mount, Front, Upper Deck (OPTION)

NOTE:

RED = ENGINE PACKAGE MOUNT HOLES

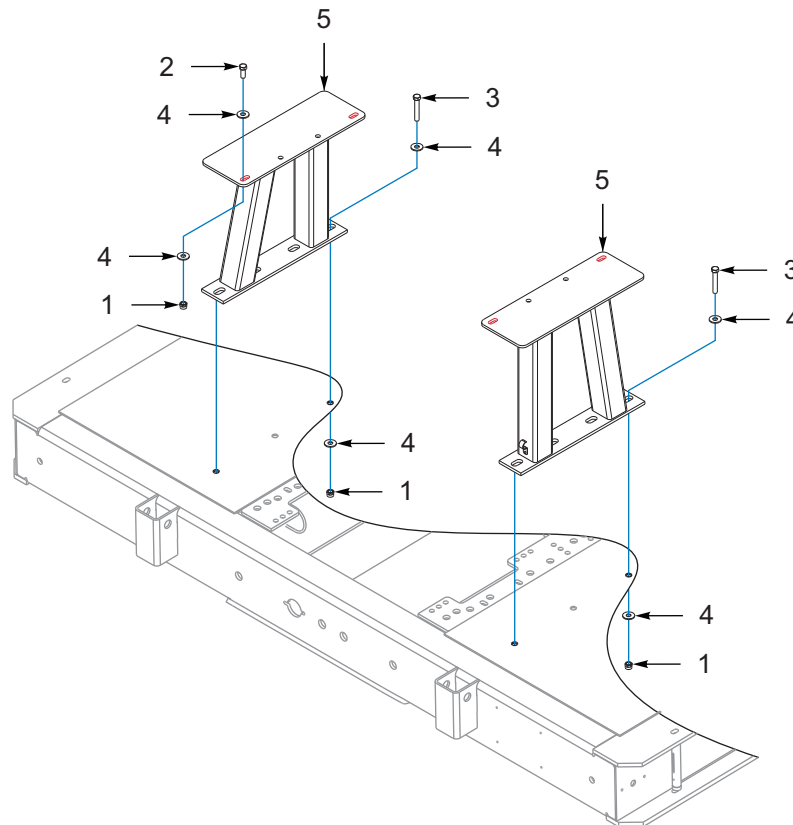


Figure 10-12: Mount, Front, Upper Deck (OPTION)

Mount, Front, Upper Deck (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	136578	STAND INSTL U/D ENG PKG 930	--
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
2	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
3	1-654-010055-09	SCREW,HX CP,1/2-13UNCX3 GR5	4
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	16
5	134857	MOUNT WLDMT ENG PKG 318-186	2

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Winch Assemblies (OPTIONS)

Winch Install, Braden 12K, 1 Speed, Spring Tension (OPTION)

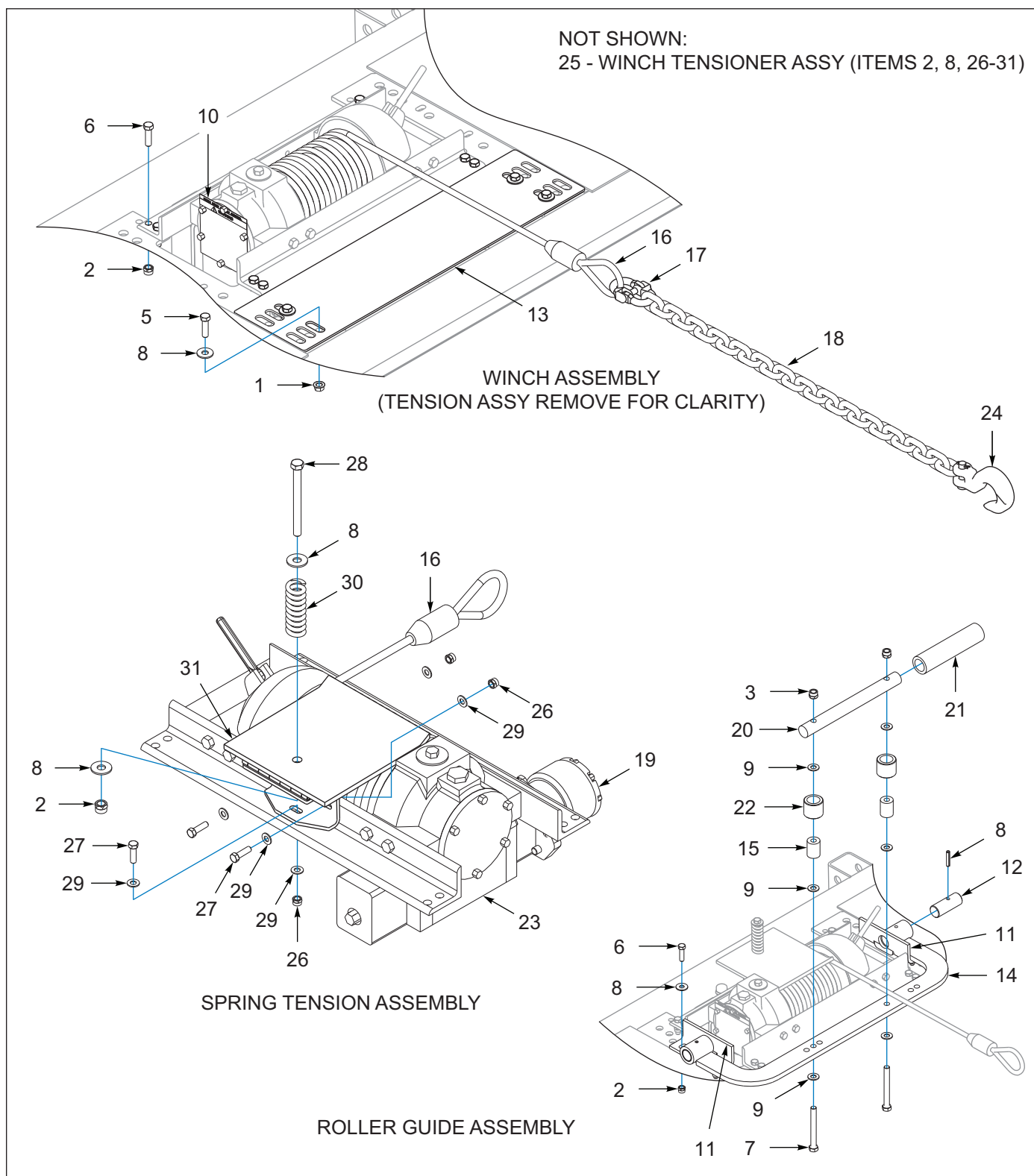


Figure 11-1: Winch Install, Braden 12K, 1 Speed, Spring Tension (OPTION)

Winch Install, Braden 12K, 1 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	204657	WINCH 12K SPG TNSN BRADEN 900 (SD)	--
	208315	WINCH 12K SPG TSN BRDN-900HD (HD)	--
	204658	WINCH 12K SPG TEN CBL RLR (SD W/ CABLE ROLLER)	--
	208316	WINCH 12K SPG-CBL RLR-900HD (HD W/ CABLE ROLLER)	--
	213113	WNH 12K SPGTSN BRADEN 900ARC (ARTIC)	--
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	4
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB (WINCH ASSEMBLY REQ 8 EACH) (TENSION ASSEMBLY REQ 1 EACH) (ROLLER ASSEMBLY REQ 4 EACH)	--
3	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11(CABLE ROLLER ONLY)	2
4	1-647-010004255	PIN, SPRING, SLOTTED 3/8X2 (CABLE ROLLER ONLY)	2
5	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
6	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4 (WINCH ASSEMBLY REQ 8 EACH) (ROLLER ASSEMBLY REQ 4 EACH)	--
7	1-654-010059-16	SCREW,HEX CAP,5/8-11UNCX5.50 (CABLE ROLLER ONLY)	2
8	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD (WINCH ASSEMBLY REQ 4 EACH) (TENSION ASSEMBLY REQ 2 EACH) (ROLLER ASSEMBLY REQ 4 EACH)	--
9	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD (CABLE ROLLER ONLY)	6
10	100600	DECAL WARNING BRADEN WINCH	1
11	119621	ANCHOR CABLE GUIDE WINCH BLK (CABLE ROLLER ONLY)	2
12	119622	PIN, PIVOT, WINCH ROLLER 410 (CABLE ROLLER ONLY)	2
13	204160	PLATE, WINCH TRIM REAR WINCH	1
14	3-125-010464	BRACKET, WLDMT WINCH ROLLER (CABLE ROLLER ONLY)	1
15	3-150-010196	BUSHING,WINCH ROLLER-SIDE-600 (CABLE ROLLER ONLY)	2
16	3-155-010017-4	CABLE 1/2 W/LOOP 85FT	1
17	3-174-010038	CHAIN LINK CONNECTING 1/2	1
18	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS	1
19	3-481-010006	MOTOR,HYD 7.1 CU IN/REV,SAE A (KEY SHAFT, 2 BOLT MOUNT) (COMPONENTS - SEE PAGE 11-30)	1
20	3-642-010150	ROD,ROLLER TOP 12K (CABLE ROLLER ONLY)	1
21	3-831-010151	TUBE, ROLLER TOP 12K (CABLE ROLLER ONLY)	1
22	3-831-010172	TUBE,WINCH ROLLER-SIDE 600 (CABLE ROLLER ONLY)	2
23	3-873-010122	WINCH, WORM GEAR 12,000 LB (CABLE NOT INCLUDED) (COMPONENTS - SEE PAGE 11-21)	1
24	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1
25	3-873-010178-1	WINCH TENSIONER ASSY 12K (INCLUDES ITEMS 2, 8, 26-31)	1
26	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
27	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	3
28	1-654-010055-17	SCREW,HEX CAP,1/2-13UNCX6 GR5	1
29	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	6
30	3-720-010010	SPRING COMP LEVEL WIND	1
31	3-873-010124	WINCH TENSIONER WLDMT 12K	1

Winch Install, Braden 20K, 1 Speed, Spring Tension (OPTION)

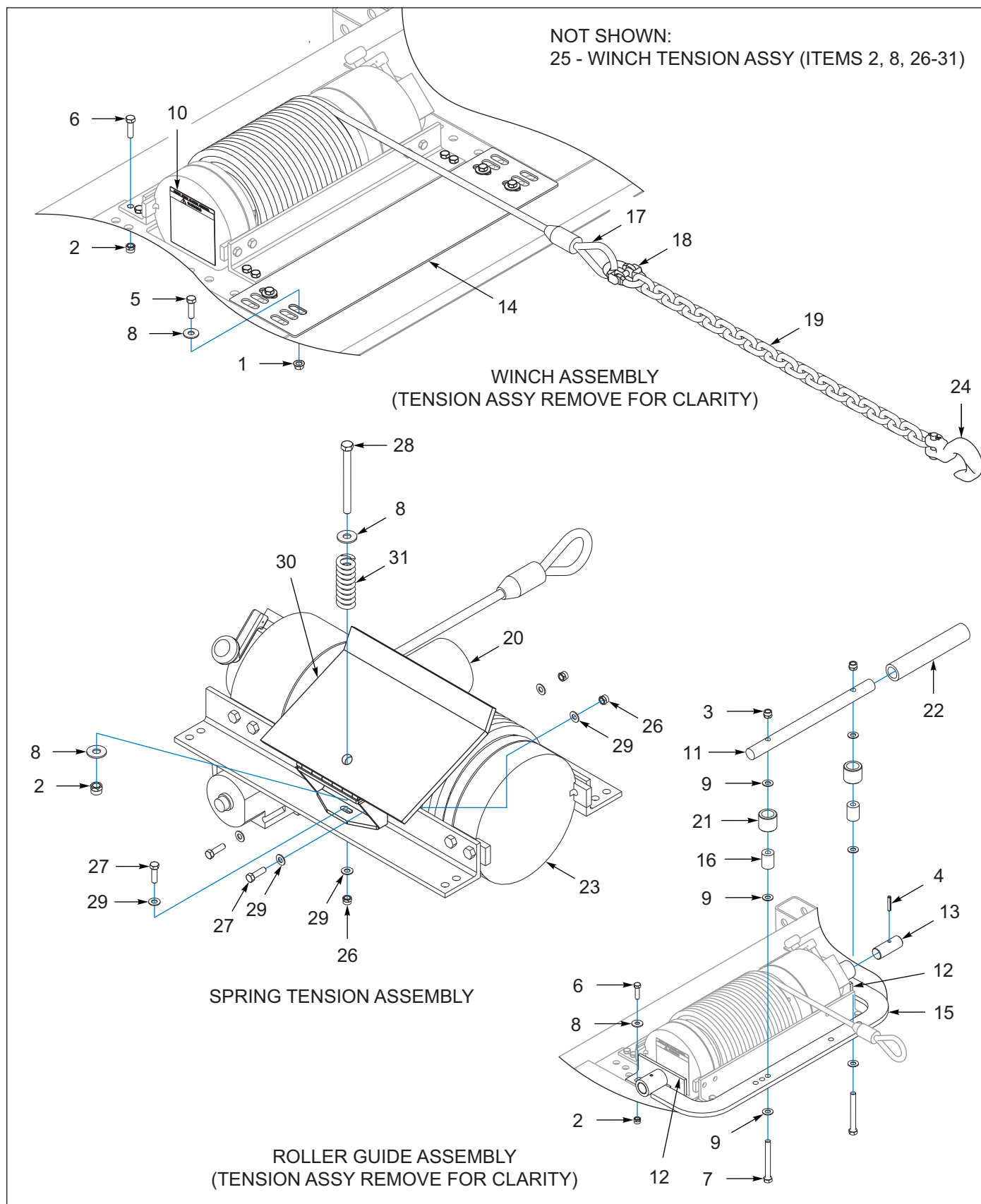


Figure 11-2: Winch Install, Braden 20K, 1 Speed, Spring Tension (OPTION)

Winch Install, Braden 20K, 1 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	204660	WINCH 20K SPG TNSN BRAD 900 (WO/ CABLE ROLLER)	--
	204661	WINCH 20K SPG TNSN CBL RLR 900 (W/ CABLE ROLLER)	--
1	1-510-010003-09	NUT, 1/2-13 FLANGE HD, SERRATED	4
2	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 GRB (WINCH ASSEMBLY REQ 8 EACH) (TENSION ASSEMBLY REQ 1 EACH) (ROLLER ASSEMBLY REQ 4 EACH)	--
3	1-512-010005-13	NUT, HEX SLFLKG GRB 5/8-11 (CABLE ROLLER ONLY)	2
4	1-647-010004255	PIN, SPRING, SLOTTED 3/8X2 (CABLE ROLLER ONLY)	2
5	1-654-010055-03	SCREW, HEX CAP, 1/2-13UNCX1-1/2	4
6	1-654-010055-04	SCREW, HEX CAP, 1/2-13UNCX1-3/4 (WINCH ASSEMBLY REQ 8 EACH) (ROLLER ASSEMBLY REQ 4 EACH)	--
7	1-654-010059-16	SCREW, HEX CAP, 5/8-11UNCX5.50 (CABLE ROLLER ONLY)	2
8	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD (WINCH ASSEMBLY REQ 4 EACH) (TENSION ASSEMBLY REQ 2 EACH) (ROLLER ASSEMBLY REQ 4 EACH)	--
9	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD (CABLE ROLLER ONLY)	6
10	100600	DECAL WARNING BRADEN WINCH	1
11	102188	ROD, PIVOTING GUIDE, 20K WINCH (CABLE ROLLER ONLY)	1
12	119621	ANCHOR CABLE GUIDE WINCH BLK (CABLE ROLLER ONLY)	2
13	119622	PIN, PIVOT, WINCH ROLLER 410 (CABLE ROLLER ONLY)	2
14	204160	PLATE, WINCH TRIM REAR WINCH	1
15	3-125-010464	BRACKET, WLDMT WINCH ROLLER (CABLE ROLLER ONLY)	1
16	3-150-010196	BUSHING, WINCH ROLLER-SIDE-600 (CABLE ROLLER ONLY)	2
17	3-155-010018-6	CABLE 5/8 W/LOOP 85FT	1
18	3-174-010038	CHAIN LINK CONNECTING 1/2	1
19	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS	1
20	3-481-010007	MOTOR HYD 12.9CU IN/REV, SAE B (SPLINE SHAFT, 2 BOLT MOUNT) (COMPONENTS - SEE PAGE 11-30)	1
21	3-831-010172	TUBE, WINCH ROLLER-SIDE 600 (CABLE ROLLER ONLY)	2
22	3-831-010182	TUBE, ROLLER TOP-600 20K (CABLE ROLLER ONLY)	1
23	3-873-010123	WINCH, WORM GEAR, 20,000LB BRADN (CABLE NOT INCLUDED) (COMPONENTS - SEE PAGE 11-25)	1
24	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1
25	3-873-010178-3	WINCH TENSIONER ASSY 20K (INCLUDES ITEMS 2, 8, 26-31)	1
26	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
27	1-654-010051-06	SCREW, HEX CAP 3/8-16UNCX1-1/4	3
28	1-654-010055-16	SCREW HEX CAP 1/2-13X5-1/2GR5	1
29	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	6
30	102186	WINCH TENS 20K BRADEN SPRG WLD	1
31	3-720-010010	SPRING COMP LEVEL WIND	1

Winch Install, Braden 20K, 1 Speed, Air Tension (OPTION)

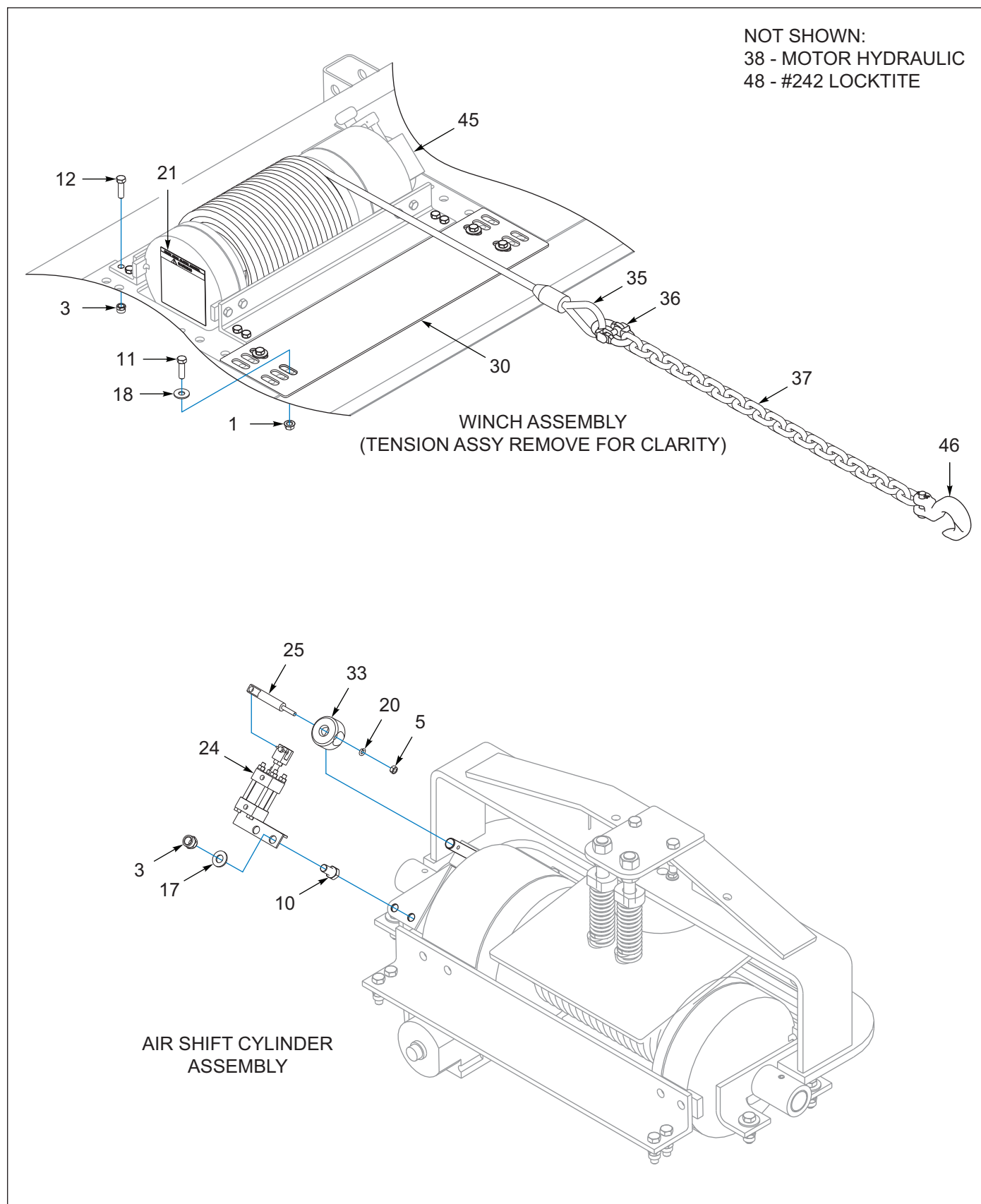


Figure 11-3: Winch Install, Braden 20K, 1 Speed, Air Tension (OPTION) (1 of 2)

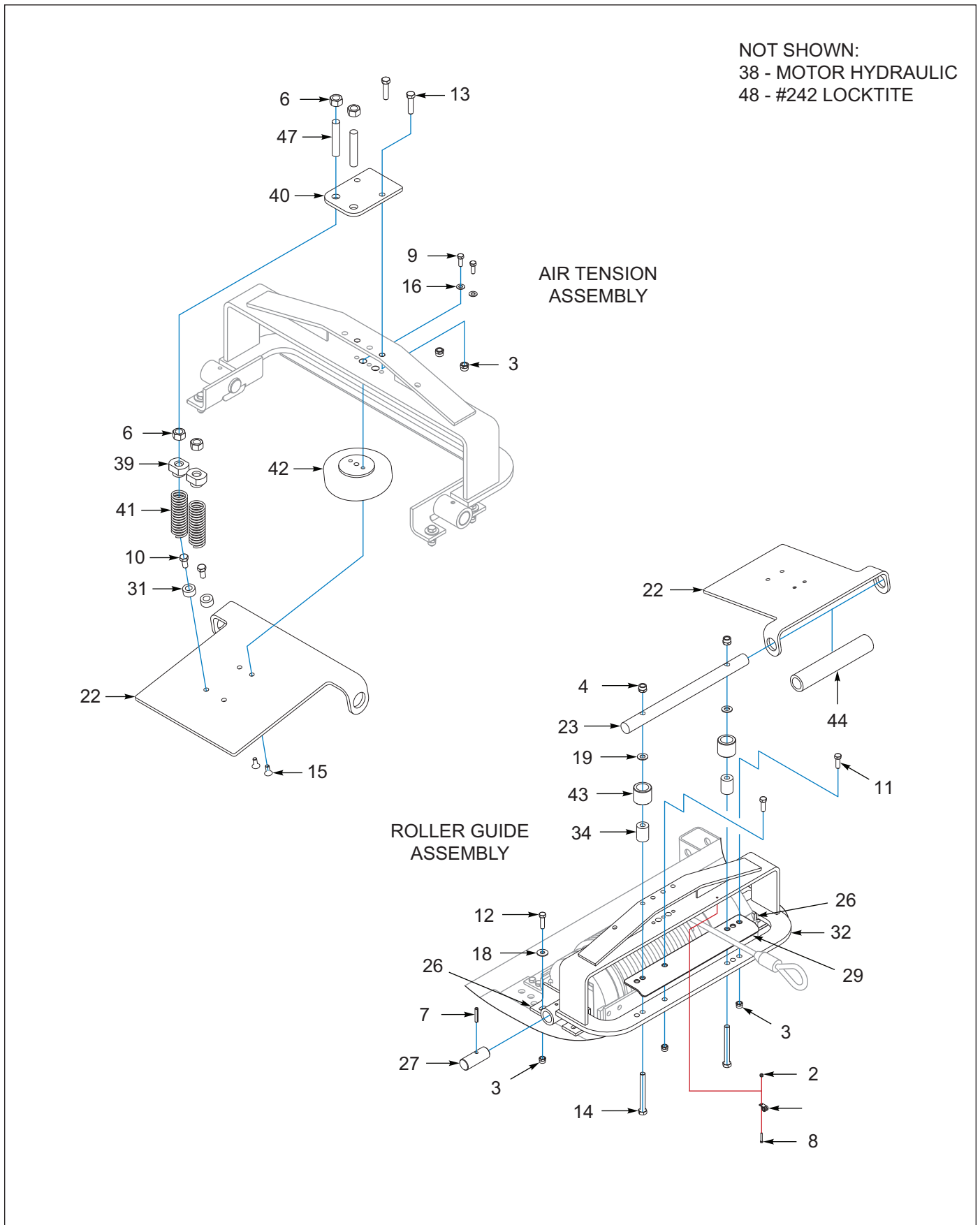


Figure 11-4: Winch Install, Braden 20K, 1 Speed, Air Tension (OPTION) (2 of 2)

Winch Install, Braden 20K, 1 Speed, Air Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	204662	WINCH 20K AIR TNSN CBL RLB 900	--
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	4
2	1-512-010004-03	NUT,HEX,SLFLK 10-24UNC, GRA	1
3	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB (WINCH ASSEMBLY REQ 8 EACH) (AIR SHIFT CYLINDER ASSEMBLY REQ 2 EACH) (AIR TENSION ASSEMBLY REQ 2 EACH) (ROLLER ASSEMBLY REQ 6 EACH)	--
4	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	2
5	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	1
6	1-512-010007-12	NUT, HEX 3/4-10 GR2 ZP	4
7	1-647-010004255	PIN, SPRING, SLOTTED 3/8X2	2
8	1-654-010024055	SCREW,MACH,FLSTR,#10-24X1-1/4	1
9	1-654-010036-05	SCREW,HX CP 3/8-16UNCX1 GR8	2
10	1-654-010055-01	SCR,HX CP 1/2-13UNCX1 GR5 (AIR SHIFT CYLINDER ASSEMBLY REQ 2 EACH) (AIR TENSION ASSEMBLY REQ 2 EACH)	--
11	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2 (WINCH ASSEMBLY REQ 4 EACH) (ROLLER ASSEMBLY REQ 2 EACH)	--
12	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4 (WINCH ASSEMBLY REQ 8 EACH) (ROLLER ASSEMBLY REQ 4 EACH)	--
13	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2 GR5	2
14	1-654-010059-15	SCREW,HEX CAP,5/8-11UNCX5 GR5	2
15	1-654-010141-04	SCREW,SKT HX CTSK 3/8-16X1 G8	2
16	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	2
17	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	2
18	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD (WINCH ASSEMBLY REQ 4 EACH) (ROLLER ASSEMBLY REQ 2 EACH)	--
19	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD	2
20	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	1
21	100600	DECAL WARNING BRADEN WINCH	1
22	102187	PLATE,WINCH,TENSIONER 20K AIR	1
23	102188	ROD,PIVOTING GUIDE, 20K WINCH	1
24	107368	CYLINDER AIR W/BRKT WNCH R/SP (INCLUDES CLEVIS & COTTER PINS) (COMPONENTS - SEE PAGE 11-29)	1
25	107369	LEVER WINCH FREE-SPOOL	1
26	119621	ANCHOR CABLE GUIDE WINCH BLK	2
27	119622	PIN, PIVOT, WINCH ROLLER 410	2
28	125892	CLAMP, CABLE 3/8 SST	1
29	143246	RUB BAR CABLE GUIDE WINCH	1
30	204160	PLATE, WINCH TRIM REAR WINCH	1
31	3-014-010255	ANCHOR-BUSH F/W SPR TMSN-600	2
32	3-125-010465	BRACKET WLDMT WINCH TENSIONER	1
33	3-150-010186	BUSHING, WINCH REMOTE LEVER	1
34	3-150-010196	BUSHING,WINCH ROLLER-SIDE-600	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
35	3-155-010018-06	CABLE 5/8 W/LOOP 85FT	1
36	3-174-010038	CHAIN LINK CONNECTING 1/2	1
37	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS	1
38	3-481-010007	MOTOR HYD 12.9CU IN/REV,SAE B (SPLINE SHAFT, 2 BOLT MOUNT) (COMPONENTS - SEE PAGE 11-30)	1
39	3-522-010017	NUT,F/W SPR TENS 10N-600	2
40	3-565-011688	PLATE,F/W SPRING TNSN 600MFT	1
41	3-720-010035	SPRING	2
42	3-720-010042	SPRING AIR 6-1/2	1
43	3-831-010172	TUBE,WINCH ROLLER-SIDE 600	2
44	3-831-010182	TUBE,ROLLER TOP-600 20K	1
45	3-873-010123	WINCH,WORM GEAR,20,000LB BRADN (CABLE NOT INCLUDED) (COMPONENTS - SEE PAGE 11-25)	1
46	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1
47	RTR7999X4ZP	ROD THRD 3/4-10X4NC ZINC PLT	2
48	#242LOCKTITE	LOCKTITE 242 BLUE REMOVABLE (APPLY TO 1-654-010059-15)	0.1

Winch Install, Braden 20K / 30K, 2 Speed, (OPTION)

NOTE:
BRADEN 30K 2 SPEED WINCH DISPLAYED

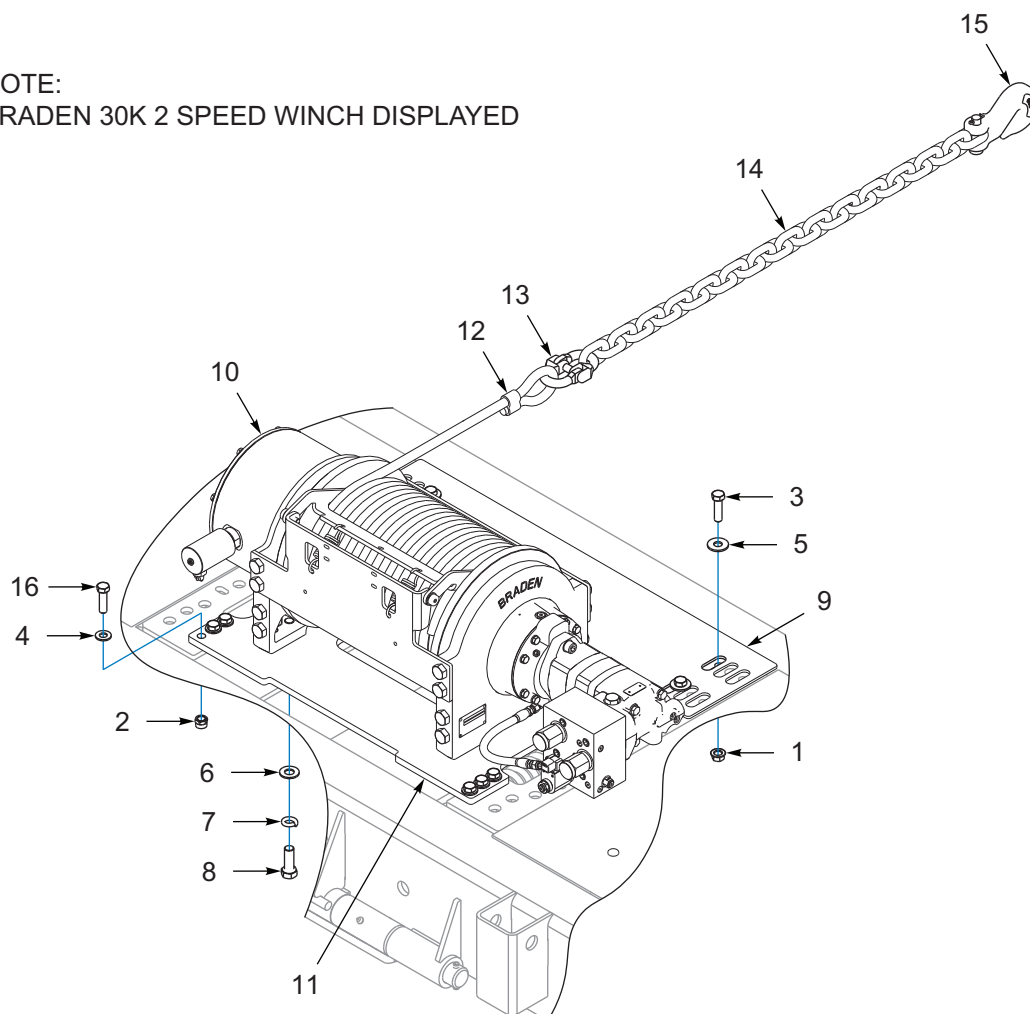


Figure 11-5: Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

Winch Install, Braden 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240559	WINCH INSTL 20K BRADEN 2SP 900 (20K)	--
	242682	WINCH INSTL 30K BRADEN 2SP 900 (30K)	--
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	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD (20K)	8
6	1-861-010032-20	WASHER, FLAT,3/4 N ZP/CD (30K)	8
7	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8 (20K)	8
7	1-861-010034-17	WASHER,LKG,HLCL SPR,3/4 (30K)	8
8	109740	SCREW HEX CAP 5/8-11X1-3/4 GR8 (20K)	8
8	1-654-010032-05	SCREW HEX CAP 3/4-10X2 GR8 (30K)	8
9	204160	PLATE, WINCH TRIM REAR WINCH	1
10	239740	WINCH 20K BRADEN 2 SPEED (20K COMPONENTS - SEE PAGE 11-31)	1
10	239745	WINCH 30K BRADEN 2 SPEED (30K COMPONENTS - SEE PAGE 11-35)	1
11	240572	PLT WINCH MNT BRADEN 20K 2SP (20K)	1
11	240571	PLATE WINCH MNT BRADEN 30K 2SP (30K)	1
12	3-155-010018-6	CABLE 5/8 W/LOOP 85FT (20K)	1
12	132833	CABLE ASSY 5/8X85FLEX-X9 (30K)	1
13	3-174-010038	CHAIN LINK CONNECTING 1/2 (20K)	1
13	3-174-010059	CHAIN LINK CONNECTING 5/8 (30K)	1
14	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS (20K)	1
14	3-174-010060036	CHAIN 5/8X36IN GRADE 80 (30K)	1
15	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70 (20K)	1
15	1-382-010035-06	HOOK,CLEVIS GRAB 5/8 GRD80 (30K)	1
16	B1821BH050C175N	SCREW HX CP1/2-13X1-3/4GR8 ZP	12

Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

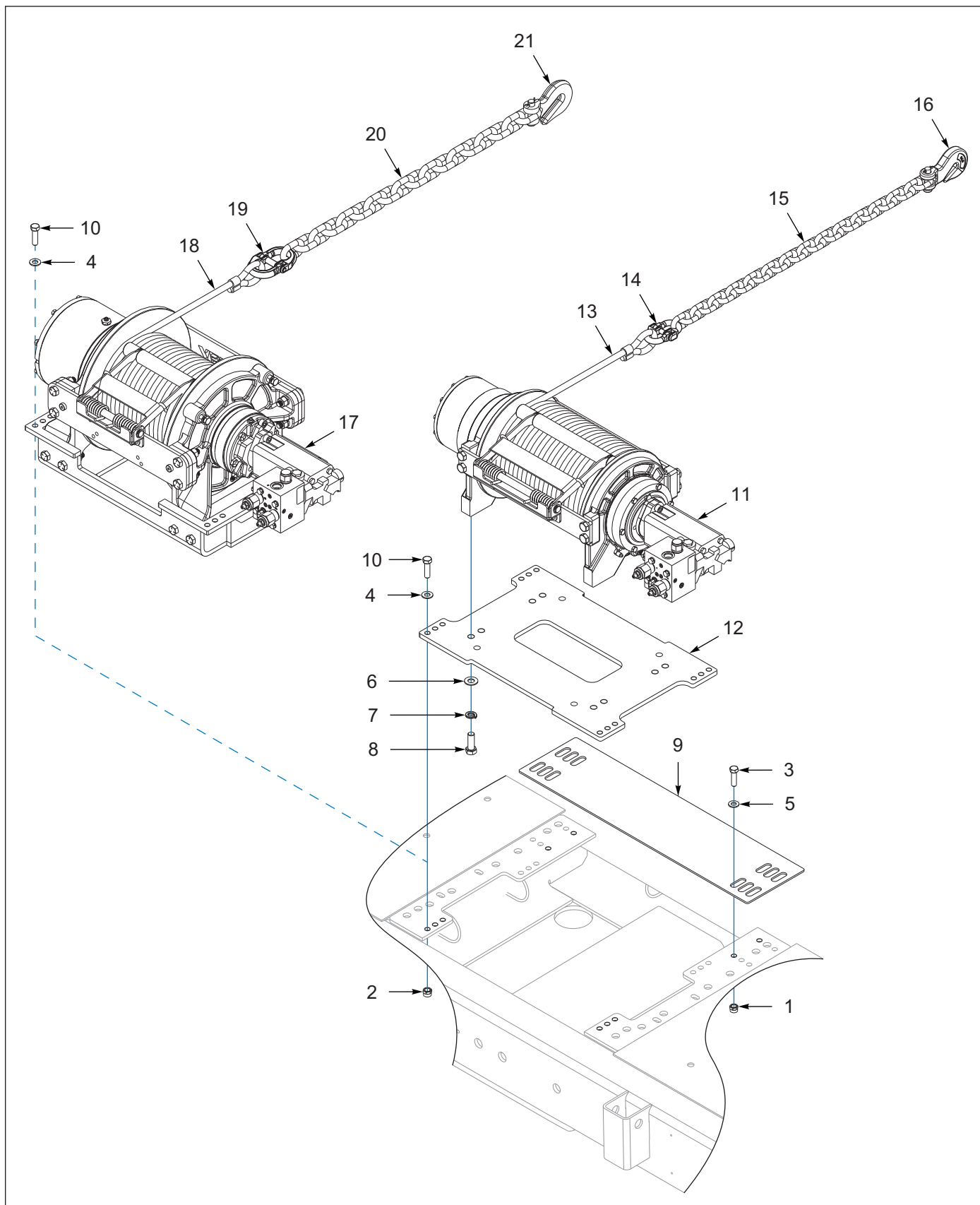


Figure 11-6: Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

Winch Install, Ramsey 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240546	WNCH INSTL 20KRAMSEY2SP 900STD (20K)	--
	242684	WNCH INST 30KRAMSEY2SPD 900STD (30K)	--
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	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD (20K)	8
7	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8 (20K)	8
8	109740	SCREW HEX CAP 5/8-11X1-3/4 GR8 (20K)	8
9	204160	PLATE, WINCH TRIM REAR WINCH	1
10	B1821BH050C175N	SCREW HX CP1/2-13X1-3/4GR8 ZP	12
11	240526	WINCH 20K RAMSEY 2 SPEED (20K COMPONENTS - SEE PAGE 11-39)	1
12	240545	PLATE WINCH MOUNT RAMSEY (20K)	1
13	3-155-010018-6	CABLE 5/8 W/LOOP 85FT (20K)	1
14	3-174-010038	CHAIN LINK CONNECTING 1/2 (20K)	1
15	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS (20K)	1
16	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70 (20K)	1
17	240528	WINCH 30K RAMSEY 2 SPEED (30K COMPONENTS - SEE PAGE 11-43)	1
18	132833	CABLE ASSY 5/8X85FLEX-X9 (30K)	1
19	3-174-010059	CHAIN LINK CONNECTING 5/8 (30K)	1
20	3-174-010060036	CHAIN 5/8X36IN GRADE 80 (30K)	1
21	1-382-010035-06	HOOK,CLEVIS GRAB 5/8 GRD80 (30k)	1

Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)

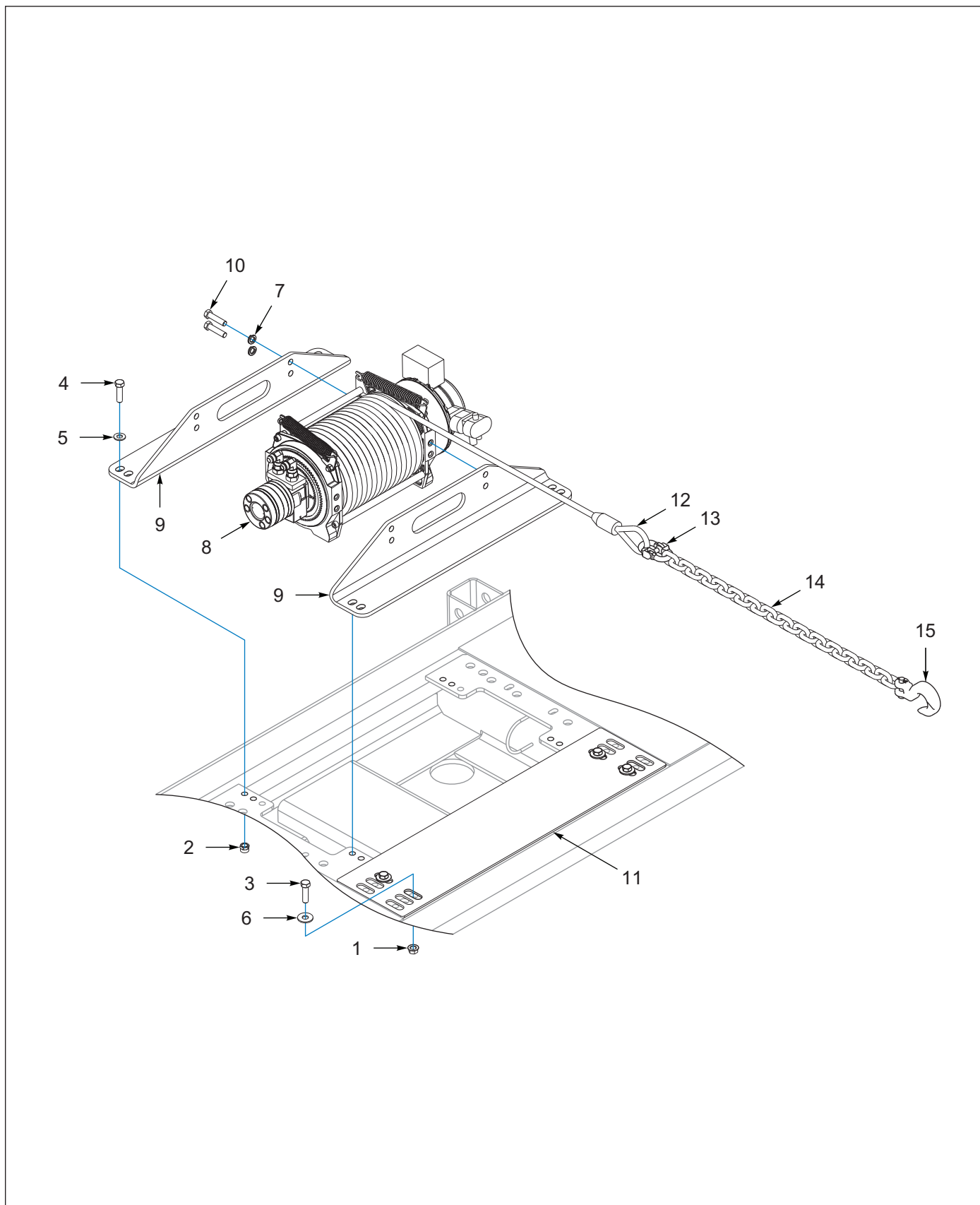


Figure 11-7: Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)

Winch Install, Warn 12K, 1 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196817	WINCH INSTL 12K WARN 900	- -
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	4
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
4	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	8
5	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	8
6	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
7	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	8
8	166421	WINCH 12M WARN W/LW&RMTC (COMPONENTS - SEE PAGE 11-45)	1
9	196818	BRACKET FRONT 12K WARN	2
10	198996	SCREW M12-1.75X50 HCS8.8ZP FUL	8
11	204160	PLATE, WINCH TRIM REAR WINCH	1
12	3-155-010017-4	CABLE 1/2 W/LOOP 85FT	1
13	3-174-010038	CHAIN LINK CONNECTING 1/2	1
14	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS	1
15	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1

Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

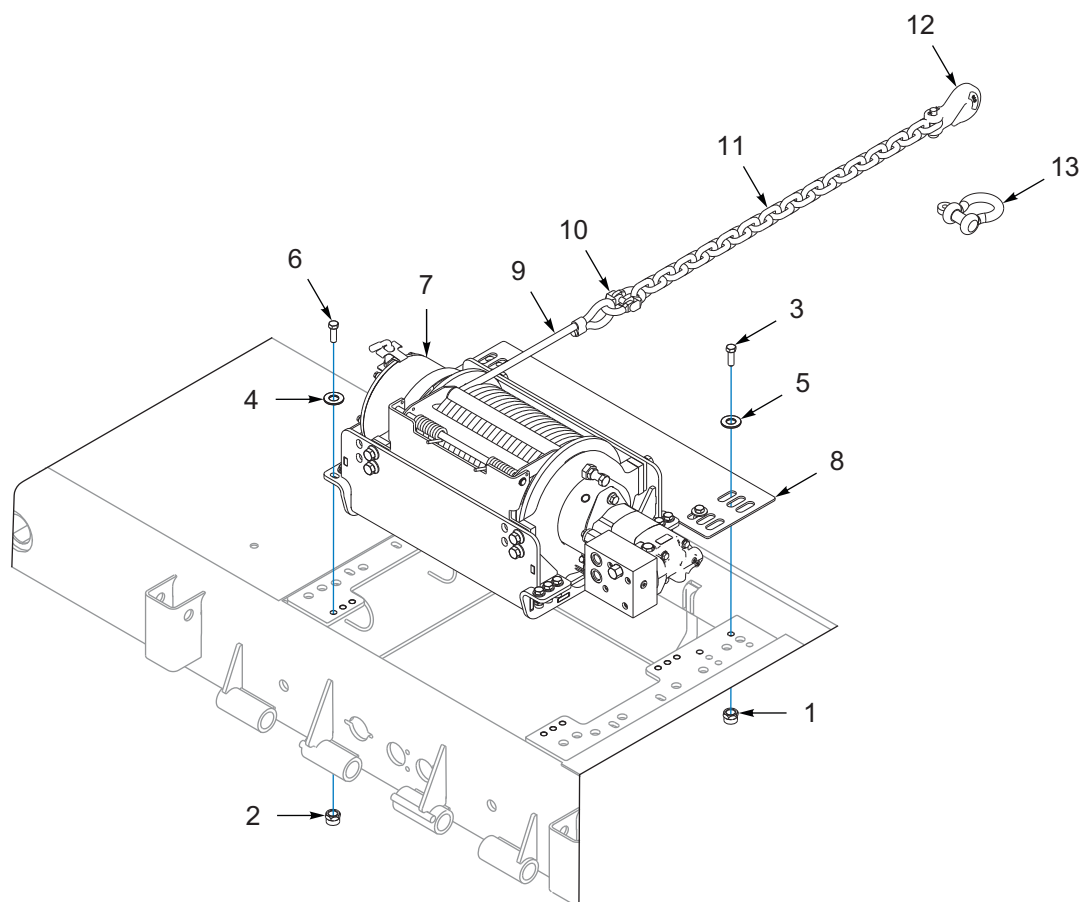


Figure 11-8: Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

Winch Install, Warn 20K / 30K, 2 Speed, Spring Tension (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178382	WINCH INSTL 20K WARN 2SP 900HD (20K HEAVY DUTY)	--
	178383	WINCH INSTL 20KWARN 2SP 900STD (20K STANDARD DUTY)	--
	204664	WINCH 30K WARN 2 SPD AIR 900 (30K)	--
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	174553	WINCH ASSY WARN 20K (ASSEMBLY - SEE PAGE 11-19)	1
7	174552	WINCH ASSY WARN 30K (ASSEMBLY - SEE PAGE 11-19)	1
8	204160	PLATE, WINCH TRIM REAR WINCH	1
9	3-155-010018-6	CABLE 5/8 W/LOOP 85FT (20K)	1
9	132833	CABLE ASSY 5/8X85FLEX-X9 (30K)	1
10	3-174-010038	CHAIN LINK CONNECTING 1/2 (20K)	1
10	3-174-010059	CHAIN LINK CONNECTING 5/8 (30K)	1
11	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS (20K)	1
11	3-174-010060036	CHAIN 5/8X36IN GRADE 80 (30K)	1
12	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70 (20K)	1
12	1-382-010035-06	HOOK,CLEVIS GRAB 5/8 GRD80 (30K)	1
13	137027	SHACKLE 1IN SCREW PIN ANCHOR (30K)	1

Winch Assembly, Braden 12K / 20K, 1 Speed (OPTION)

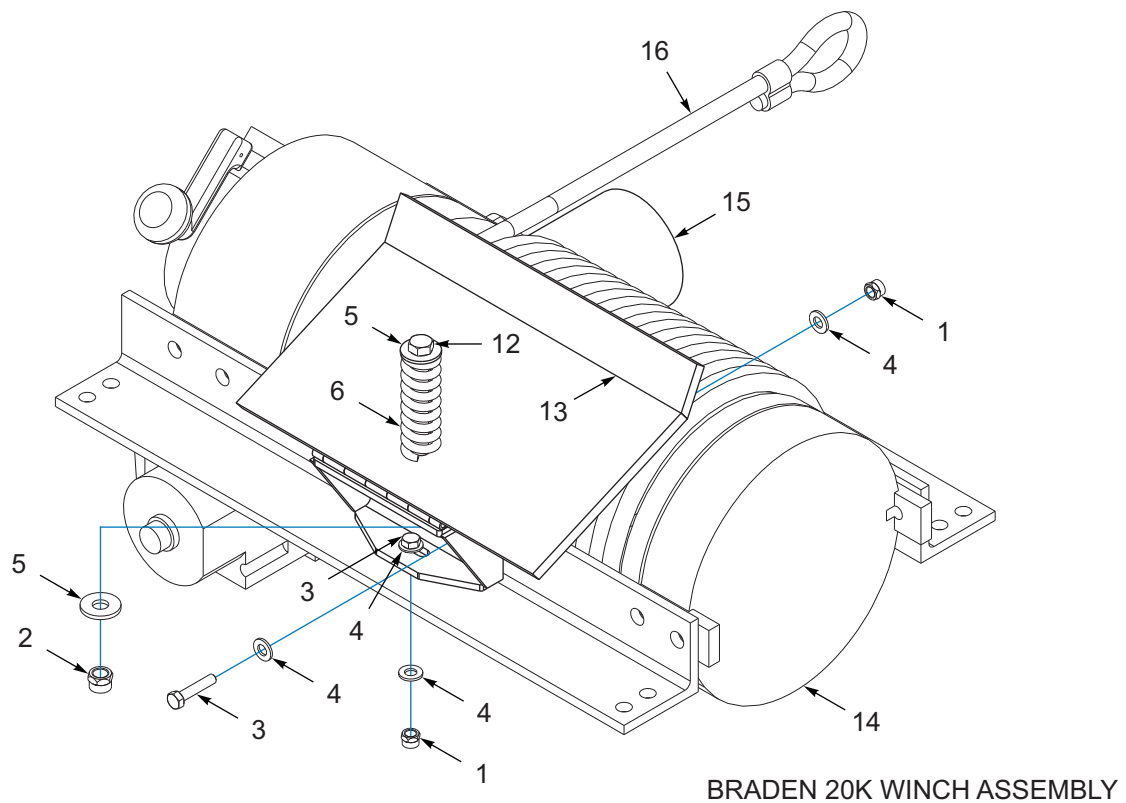
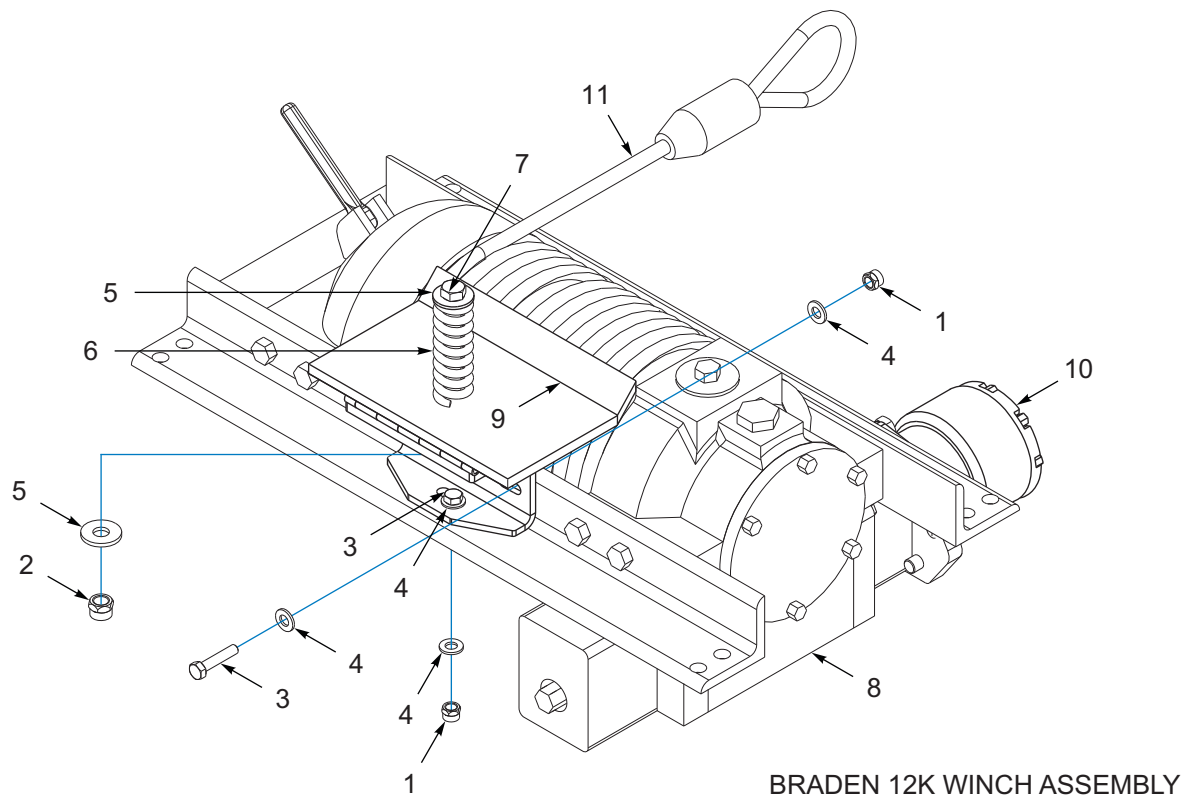


Figure 11-9: Winch Assembly, Braden 12K / 20K, 1 Speed (OPTION)

Winch Assembly, Braden 12K / 20K, 1 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010126-2	WINCH ASSY,12,000 LB PARKER	--
	3-873-010129-2	WINCH ASSY,20000 LB, PARKER	--
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	1
3	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	3
4	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	6
5	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	2
6	3-720-010010	SPRING COMP LEVEL WIND	1
7	1-654-010055-16	SCREW HEX CAP 1/2-13X5-1/2GR5	1
8	3-873-010122	WINCH, WORM GEAR 12,000 LB (COMPONENTS - SEE PAGE 11-30)	1
9	3-873-010124	WINCH TENSIONER WLDMT 12K	1
10	3-481-010006	MOTOR,HYD 7.1 CU IN/REV,SAE A (KEY SHAFT, 2 BOLT MOUNT) (COMPONENTS - SEE PAGE 11-30)	1
11	3-155-010017-4	CABLE 1/2 W/LOOP 85FT (12K)	1
12	1-654-010055-17	SCREW,HEX CAP, 1/2-13UNCX6 GR5	1
13	102186	WINCH TENS 20K BRADEN SPRG WLD	1
14	3-873-010123	WINCH,WORM GEAR,20,000LB BRADN (COMPONENTS - SEE PAGE 11-25)	1
15	3-481-010007	MOTOR HYD 12.9CU IN/REV,SAE B (SPLINE SHAFT, 2 BOLT MOUNT) (COMPONENTS - SEE PAGE 11-21)	1
16	3-155-010018-6	CABLE 5/8 W/LOOP 85FT (20K)	1

Winch Assembly, Warn 20K / 30K, 2 Speed (OPTION)

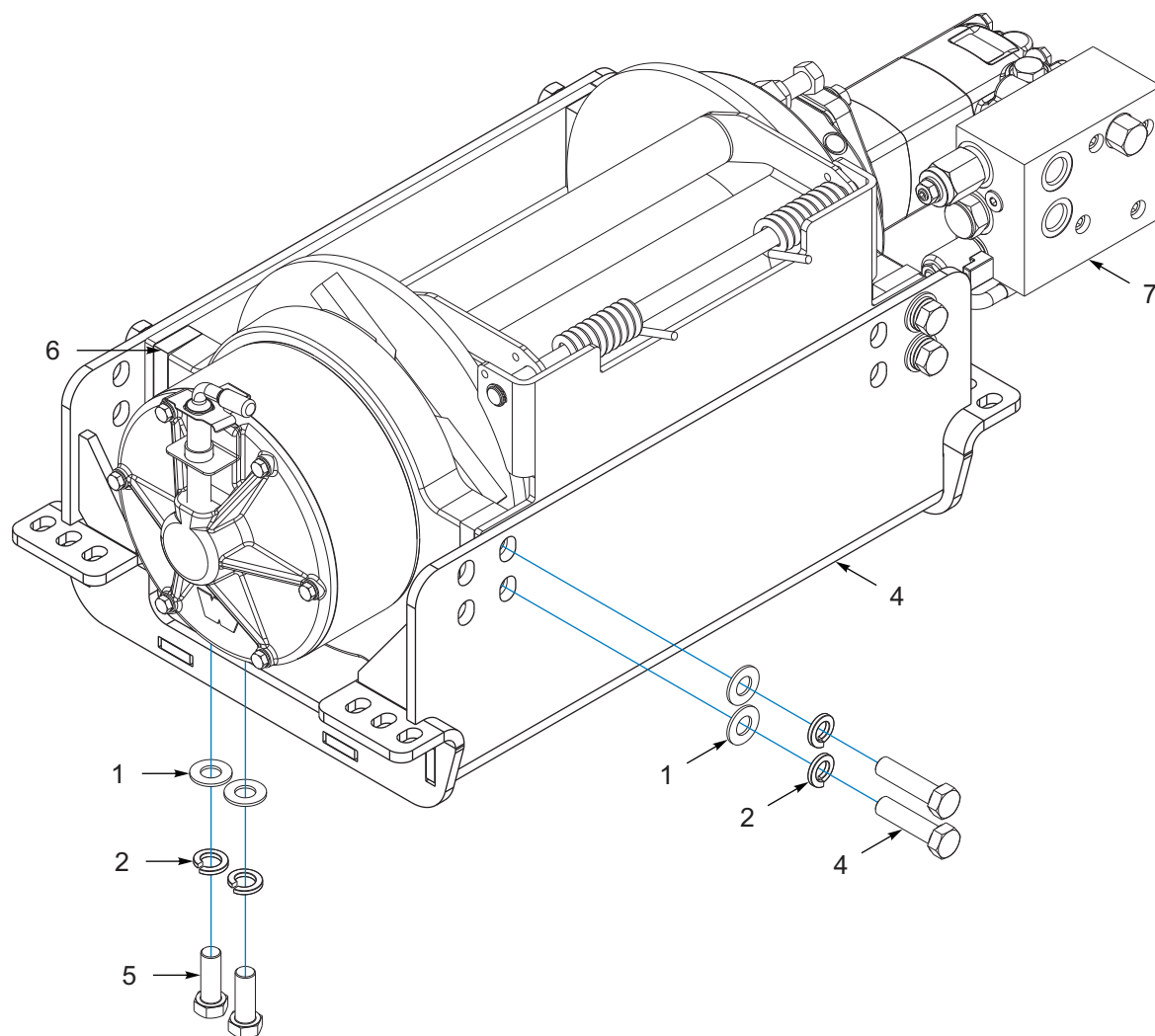


Figure 11-10: Winch Assembly, Warn 20K / 30K, 2 Speed (OPTION)

Winch Assembly, Warn 20K / 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	174553	WINCH ASSY WARN 20K (INCLUDES ITEMS 1-7)	--
	174552	WINCH ASSY WARN 30K (INCLUDES ITEMS 1-7)	--
1	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD	16
2	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8	16
3	113299	SCREW,HHC 5/8-11UNCX2-1/2G8ZP	8
4	165429	MOUNT WLDMT WINCH WARN 318	1
5	109740	SCREW HEX CAP 5/8-11X1-3/4 GR8 (20K WINCH)	8
5	172827	SCREW HX CP 5/8-11X1-1/2 GR8 (30K WINCH)	8
6	154234	SPACER WINCH 20K WARN	4
7	167521	WINCH 20K WARN 2 SPEED (COMPONENTS - SEE PAGE 11-47)	1
7	172877	WINCH 30K WARN 2 SPD AIR (COMPONENTS -SEE PAGE 11-49)	1

Winch Components, Braden 12K, 1 Speed (OPTION)

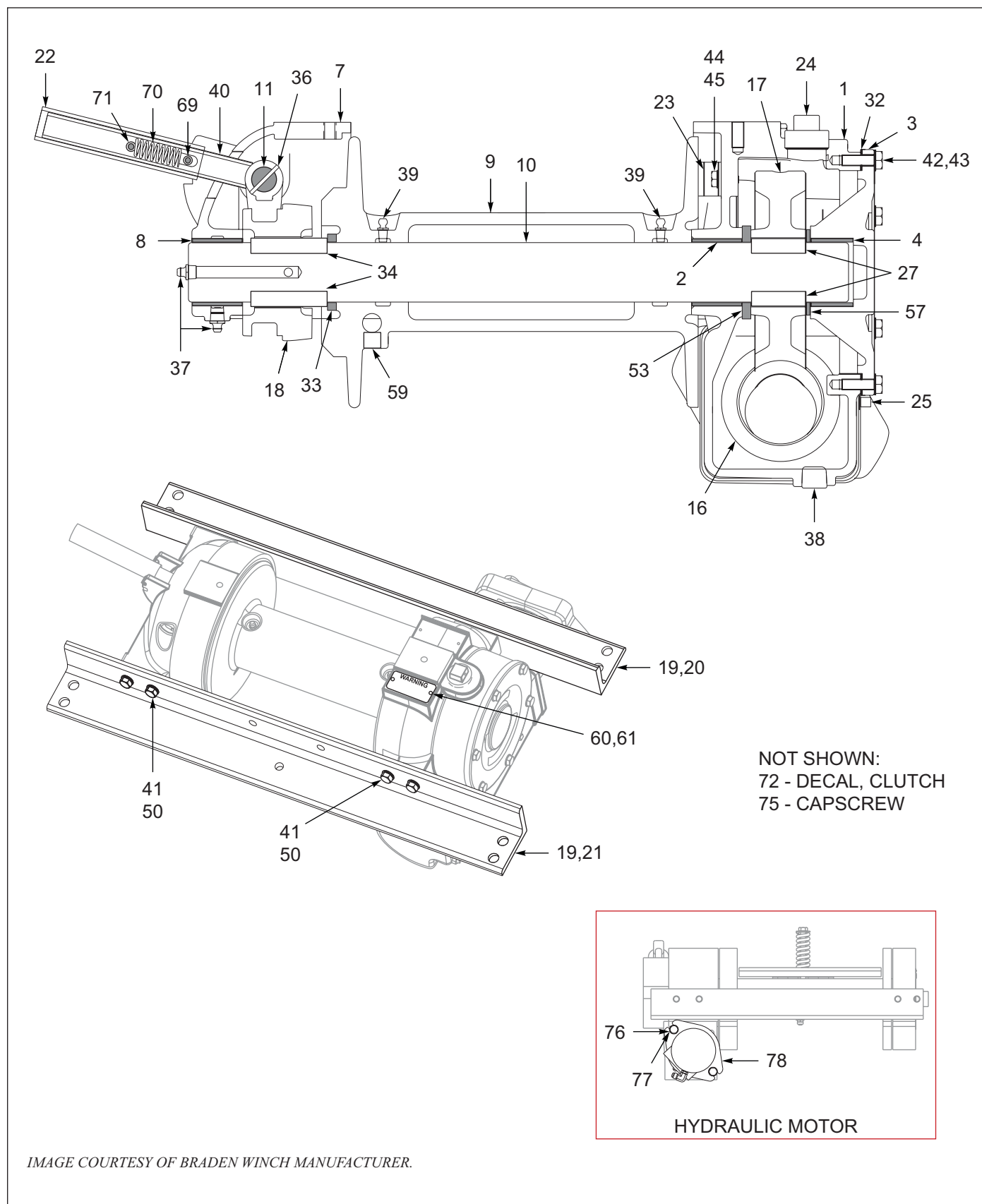


Figure 11-11: Winch Components, Braden 12K, 1 Speed (OPTION) (1 of 2)

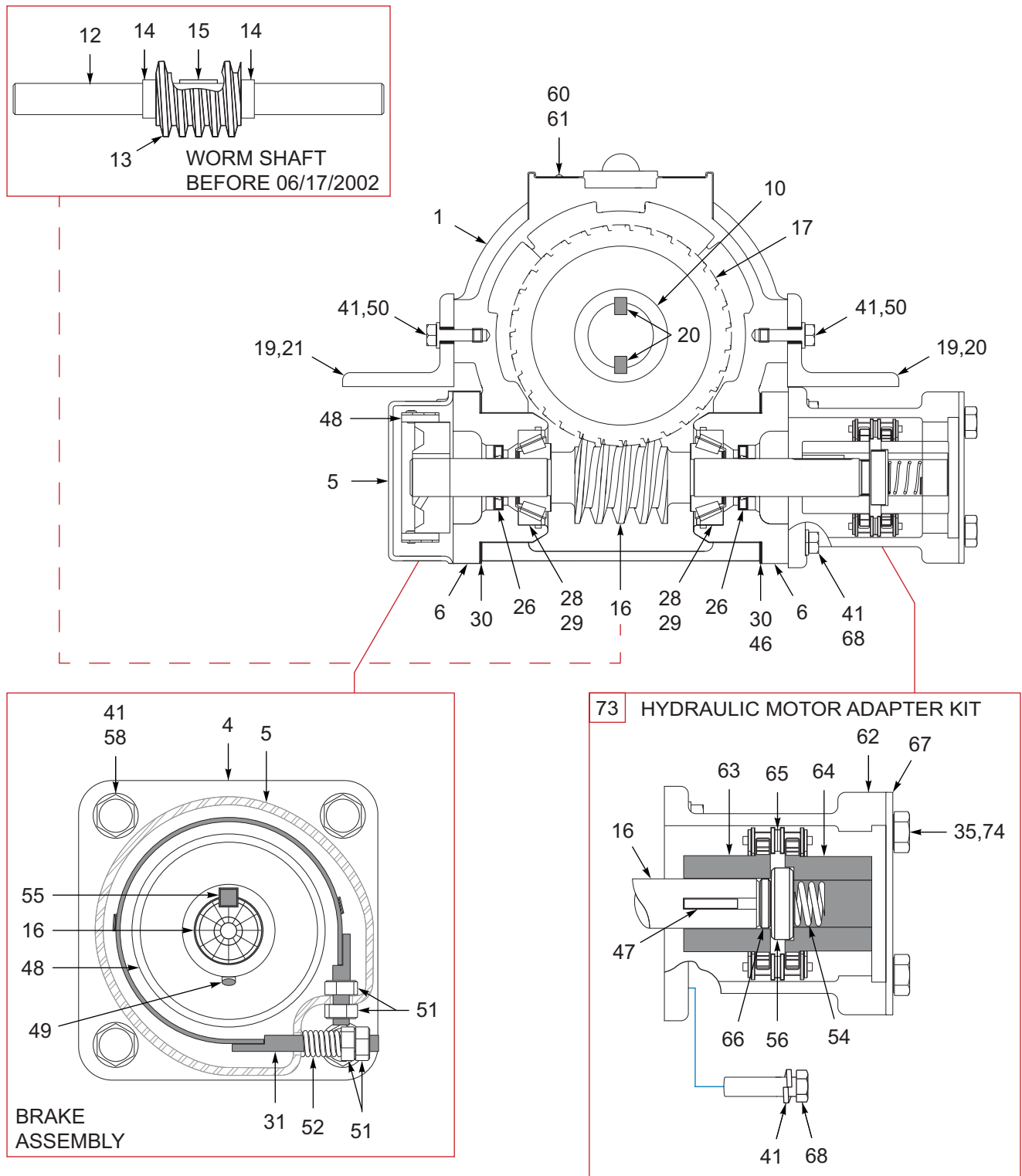


IMAGE COURTESY OF BRADEN WINCH MANUFACTURER.

Figure 11-12: Winch Components, Braden 12K, 1 Speed (OPTION) (2 of 2)

Winch Components, Braden 12K, 1 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010122	WINCH, WORM GEAR 12,000 LB	--
	3-873-010126-2	WINCH ASSY, 12,000 LB PARKER (2 BOLT MOUNT MOTOR)	--
1	81006	HOUSING (INCLUDES ITEM 2)	1
2	18078	BUSHING-WORM HSG ASSY 12M BRAD (INCLUDED WITH ITEM 1)	1
3	81009	LU2-144-0 WORM HOUSING COVER (INCLUDES ITEM 4)	1
4	11368	BUSHING 12K WORM WINCH HOUSING (INCLUDED WITH ITEM 3)	1
5	18032	BRAKE HSG	1
6	23303	BEARING CONTAINER	2
7	81530	LEG ASSY (INCLUDES ITEM 8)	1
8	18077	BUSHING (INCLUDED WITH ITEM 7)	1
9	11128	CABLE DRUM	1
10	11129	CABLE DRUM SHAFT (BEFORE 06/17/2013)	1
10	-----	CABLE DRUM SHAFT (AFTER 06/17/2013)	1
11	11130	SHIFTER SHAFT BRADEN	1
12	23470	WORM SHAFT (BEFORE 06/17/2002, REPLACED BY ITEM 16)	1
13	11142	WORM (LITTLE GEAR) (BEFORE 06/17/2002, AFTER, REPLACED BY ITEM 16)	1
14	11308	WORM SPACER (BEFORE 06/17/2002, AFTER, REPLACED BY ITEM 16)	2
15	18030	KEY (BEFORE 06/17/2002, AFTER, REPLACED BY ITEM 16)	1
16	-----	WORM LU2-L GEAR/SHAFT (AFTER 06/17/2002, 1 PIECE, REPLACED ITEMS 12-15)	1
17	11144	GEAR, WORM, LH (BIG GEAR)	1
18	18039	CLUTCH COLLAR	1
19	22752	ANGLE BASE ALU-2-146 12M BRAD (BEFORE 10/23/1990, AFTER, REPLACED BY ITEMS 20-21)	2
20	-----	BASE ANGLE (MOTOR SIDE) (AFTER 10/23/1990, REPLACED ITEM 19)	1
21	-----	BASE ANGLE (BRAKE SIDE) (AFTER 10/23/1990, REPLACED ITEM 19)	1
22	12817	SHIFTER HANDLE	1
23	81025	DRAG BRAKE LGU2-10F WINCH	1
24	248358	PLUG	1
25	18009	PLUG	1
26	18026	SEAL	2
27	11117	KEY	2
28	18015	BEARING CONE BRADEN LGU2	2
29	18016	BEARING CUP BRADEN LGU2	2
30	18027	GASKET (USED TO SHIM BEARING PRELOAD, QTY VARIES)	6
31	21925	BRK BAND ASSY	1
32	11133	SEAL	1
33	18019	RING RETAINER	1
34	18020	CLUTCH KEY	2
35	-----	CAPSCREW (SHIPPING COVER)	2
36	11837	ROLL PIN	1
37	18047	GREASE FITTING (BEFORE 06/17/2013, 1 EACH BOTTOM - AFTER, FITTING ADDED ON END OF THE SHAFT)	2
38	19045	DRAIN PLUG	1
39	-----	FITTING GREASE	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
40	13839	SHIFTER FORK LGU2	1
41	-----	LOCKWASHER (INCLUDED WITH ITEM 73, 4 EACH)	16
42	-----	CAPSCREW	6
43	-----	WASHER -SHPRF	6
44	-----	CAPSCREW	2
45	-----	WASHER -SHPRF	2
46	18024	GASKET	1
47	18044	KEY	1
48	18028	BRAKE DRUM	1
49	12075	SET SCREW	1
50	247943	CAPSCREW	8
51	13468	NUT	4
52	18029	BRAKE BAND SPRING	1
53	11240	THRUST RING BRADEN LUU2	1
54	110452	SPRING #23353 (INCLUDED WITH ITEM 73)	1
55	10078	ROTOR KEY	1
56	23078	CONSTANT SPACER (INCLUDED WITH ITEM 73)	1
57	13680	RING,THRUST	1
58	-----	CAPSCREW (INCLUDED WITH ITEM 73, ADDITIONAL 4 EACH, NOT USED)	4
59	218058	SET SCREW 12K WINCH CABLE	1
60	248506	WARNING PLATE BRADEN	1
61	248507	DRIVE SCREW BRADEN 20K	2
62	23079	MOTOR ADAPTER 12M WINCH (INCLUDED WITH ITEM 73)	1
63	23081	COUPLER HALF WINCH (INCLUDED WITH ITEM 73)	1
64	23083	COUPLING HALF MOTOR LGU2-10F (INCLUDED WITH ITEM 73)	1
65	13424	CHAIN RLR (INCLUDED WITH ITEM 73)	1
66	115851	SPACER #23085 (INCLUDED WITH ITEM 73)	1
67	-----	MU7-502DG SHIELD DUS (SHIPPING COVER)	1
68	110449	CAPSCREW (INCLUDED WITH ITEM 73)	4
69	13028	ROLL PIN	1
70	18002	SPRING	1
71	18056	ROLLPIN	1
72	100600	DECAL, CLUTCH	1
73	61333	HYD. MOTOR ADAPTER KIT, 12,000# WINCH (INCLUDES ITEMS 41, 54, 56, 58, 62-68, 74-75)	1
74	216581	LOCKWASHER (INCLUDED WITH ITEM 73) (SHIPPING COVER)	4
75	248511	CAPSCREW (INCLUDED WITH ITEM 73) (MOTOR SIDE, NOT USED)	4
76	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	2
77	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	2
78	3-481-010006	MOTOR,HYD 7.1 CU IN/REV,SAE A (KEY SHAFT, 2 BOLT MOUNT) (COMPONENTS -SEE PAGE 11-30)	1

Winch Components, Braden 20K, 1 Speed (OPTION)

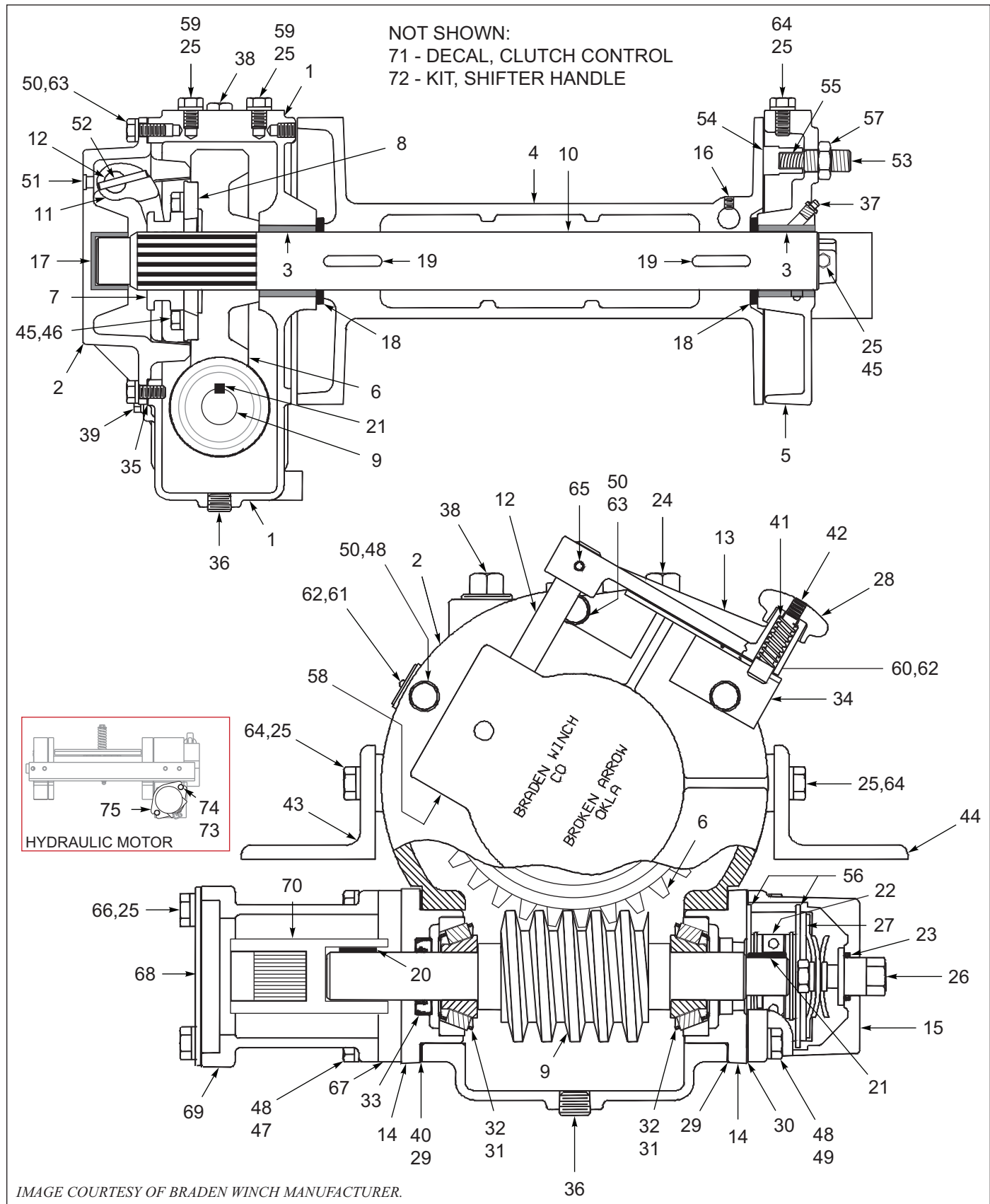


Figure 11-13: Winch Components, Braden 20K, 1 Speed (OPTION)

Winch Components, Braden 20K, 1 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010123	WINCH,WORM GEAR,20,000LB BRADN	--
	3-873-010129-2	WINCH ASSY,20000 LB, PARKER	--
1	81078	WORM HOUSING ASSY	1
2	248354	WORM HOUSING COVER ASSY	1
3	18035	BUSHING	2
4	11449	DRUM CABLE, BRADEN 20K WINCH	1
5	81077	LEG ASSEMBLY, BEARING	1
6	11434	GEAR,WORM, RIGHT (BIG GEAR)	1
7	11421	SLIDING CLUTCH	1
8	11419	CLUTCH DRIVE	1
9	248355	WORM AMU7-R GEAR/SHAFT (GEAR & SHAFT 1 PIECE)	1
10	139479	CABLE DRUM SHAFT	1
11	11440	SHIFTER FORK AMU7-16F WINCH	1
12	11441	SHAFT, SHIFTER	1
13	26976	SHIFTER HANDLE AMU7 WINCH (INCLUDED WITH ITEM 72)	1
14	124549	BEARING CONTAINER #11427	2
15	248356	MU7-250 WM BRAKE COVER	1
16	139478	SET SCREW FOR 20K WINCH	1
17	11425	BUSHING	1
18	11420	RING, RETAINING	2
19	163472	KEY, DRUM SHAFT	4
20	23367	KEY SPROCKET	1
21	10078	ROTOR KEY	1
22	81080	ROTOR ASSY, BRAKE	1
23	12465	O-RING	1
24	248357	PIPE PLUG	1
25	216581	LOCKWASHER (SHIPPING COVER, REQ 4 EACH)	15
26	81081	SPRING ASSY SAFETY BRAKE 20K	1
27	11431	PRESSURE PLATE AMU7 WINCH	1
28	18022	SHIFTER KNOB 20# WINCH (INCLUDED WITH ITEM 72)	1
29	11429	GASKET (USED TO SHIM BEARING PRELOAD, QTY VARIES)	6
30	11446	GASKET	1
31	18033	BEARING, CONE	2
32	18034	BEARING, CUP	2
33	12073	SEAL, GREASE	1
34	12783	LOCATING BRACKET AMU7 WINCH	1
35	11411	HOUSING COVER GASKET AMUF-16F	1
36	19045	DRAIN PLUG	1
37	18047	GREASE FITTING	1
38	248358	PLUG	1
39	248359	PLUG	1
40	11430	GASKET	1
41	11310	SPRING, SHIFTER KNOB 20# WNCN (INCLUDED WITH ITEM 72)	1
42	11309	STEM, SHIFTER KNOB 20# WINCH (INCLUDED WITH ITEM 72)	1
43	248360	BASE ANGLE FRONT	1
44	248361	BASE ANGLE REAR	1
45	248309	CAPSCREW MOTOR BRADEN 20K	12
46	248363	LOCKWASHER KEV 1 BRADEN 20K	8
47	248364	CAPSCREW BRADEN 20K	4

Winch Components, Braden 20K, 1 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
48	248501	LOCKWASHER 20K BRADEN	13
49	248502	CAPSCREW BRADEN 20K	4
50	248503	CAPSCREW BRADEN 20K	6
51	12146	PLUG, EXPANSION	1
52	13028	ROLL PIN (SHIFTER SHAFT TO FORK)	1
53	11398	SCREW, ADJUSTMENT	1
54	88005	DRAG BRAKE SHOE ASSY	1
55	18002	SPRING	1
56	11426	DISC, FRICTION	2
57	11791	NUT, JAM	1
58	12767	PLUG, EXPANSION	1
59	248504	CAPSCREW BRADEN 20K	2
60	248505	NAMEPLATE (AMU7) SAE BRADEN	1
61	248506	WARNING PLATE BRADEN	1
62	248507	DRIVE SCREW BRADEN 20K (USED TO MOUNT ITEMS 61-62)	4
63	248508	WASHER SHPRF 20K BRADEN	1
64	248509	CAPSCREW BRADEN 20K	5
65	248510	ROLL PIN HANDLE TO SHIFTER (HANDLE TO SHAFT)	1
66	248511	CAPSCREW BRADEN 20K (SHIPPING COVER)	4
67	248512	ADAPTER SPACER 20K BRADEN	1
68	248513	COVER PLATE 20K BRADEN (SHIPPING COVER)	1
69	23144	ADAPTER MOTOR 20M WINCH	1
70	248516	SOLID COUPLING BRADEN 20K	1
71	100600	DECAL, CLUTCH CONTROL (NOT SHOWN)	1
72	125684	SHIFTER HANDLE BLACK (KIT INCLUDES ITEMS 13, 28, 41-42)	1
73	1-654-010055-04	SCREW, HEX CAP, 1/2-13UNCX1-3/4	2
74	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	2
75	3-481-010007	MOTOR HYD 12.9CU IN/REV, SAE B (SPLINE SHAFT, 2 BOLT MOUNT) (COMPONENTS - SEE PAGE 11-30)	1

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Winch Components, Braden 20K, 1 Spd, Free Spool Air Cyl (OPTION)

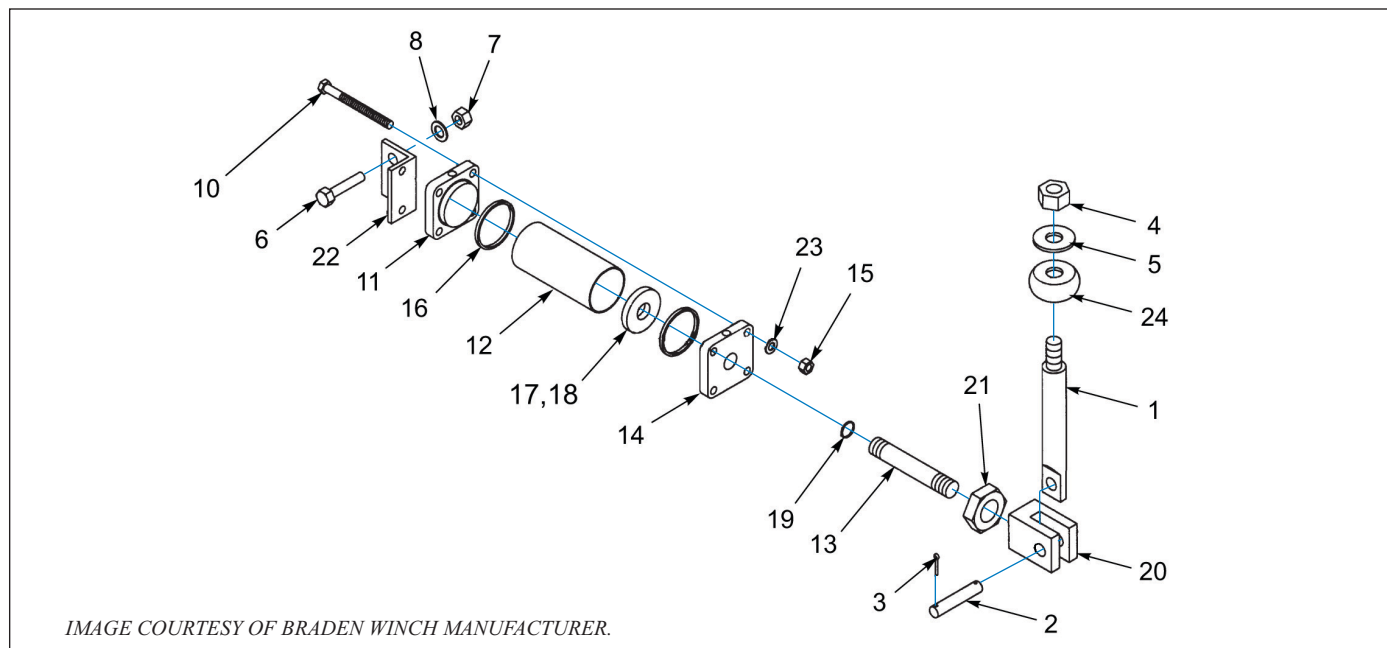


Figure 11-14: Winch Components, Braden 20K, 1 Spd, Free Spool Air Cyl (OPTION)

Winch Components, Braden 20K, 1 Spd, Free Spool Air Cyl (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	107368	CYLINDER AIR W/BRKT WNCH R/SP (INCLUDES ITEMS 2, 3 & 6-23)	--
1	107369	LEVER WINCH FREE-SPOOL	1
2	-----	PIN	1
3	-----	COTTER PIN	1
4	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	1
5	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	1
6	1-654-010055-01	SCR,HX CP 1/2-13UNCX1 GR5	2
7	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
8	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	2
9	-----	CYLINDER,7/8 STROKE WINCH F/S (C2001) (INCLUDES ITEMS 10-23)	1
10	-----	CAPSCREW49	4
11	-----	REAR COVER PLATE	1
12	-----	TUBE	1
13	-----	PISTON ROD	1
14	-----	FRONT COVER PLATE	1
15	-----	NUT	4
16	-----	BACK-UP-RING	2
17	-----	O-RING	1
18	-----	PISTON	1
19	-----	O-RING	1
20	1974	CLEVIS	1
21	-----	NUT	1
22	2389	BRACKET	1
23	-----	LOCKWASHER	4
24	3-150-010186	BUSHING, WINCH REMOTE LEVER	1
25	-----	O-RING KIT FOR CYLINDER	1

Winch Components, Braden 12K / 20K, 1 Speed, Motor (OPTION)

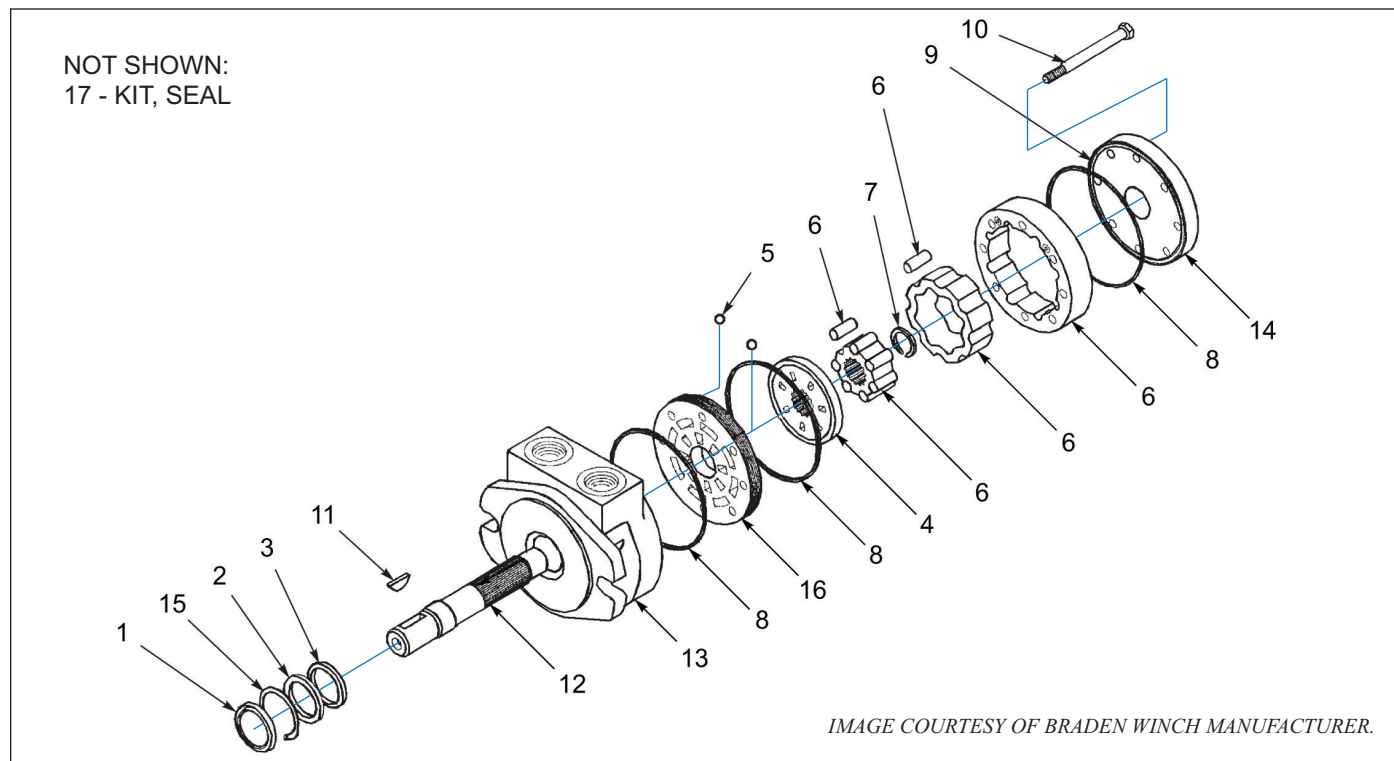


Figure 11-15: Winch Components, Braden 12K / 20K, 1 Speed, Motor (OPTION)

Winch Components, Braden 12K / 20K, 1 Speed, Motor (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-481-010006	MOTOR, HYD 7.1 CU IN/REV, SAE A (12K WINCH)	--
	3-481-010007	MOTOR HYD 12.9CU IN/REV, SAE B (FOR 20K WINCH)	--
1	-----	SEAL DUST	1
2	-----	BACK-UP RING	1
3	-----	SEAL LIP	1
4	-----	ROTARY VALVE	1
5	-----	CHECK VALVE BALL	2
6	-----	IGR ASSEMBLY - 20K WINCH	1
6	-----	IGR ASSEMBLY - 12K WINCH	1
7	-----	SNAP RING	1
8	1046	SEAL SQ RING, MOTOR	3
9	-----	PLUG VENT W/O-RING	1
10	-----	BOLTS HEX - 20K WINCH	8
10	-----	BOLTS HEX - 12K WINCH	8
11	-----	KEY WOODRUFF	1
12	-----	SHAFT FOR - 20K WINCH	1
12	-----	SHAFT FOR - 12K WINCH	1
13	-----	BODY/BEARING ASSEMBLY - 20K WINCH	1
13	-----	BODY/BEARING ASSEMBLY - 12K WINCH	1
14	-----	COVER/BEARING ASSEMBLY	1
15	-----	SNAP RING SHAFT	1
16	-----	COMMUTATOR PLATE	1
17	2263	KIT, SEAL (NOT SHOWN)	1
17	-----	SEAL KIT BODY VITON (NOT SHOWN)	1

Winch Components, Braden 20K, 2 Speed (OPTION)

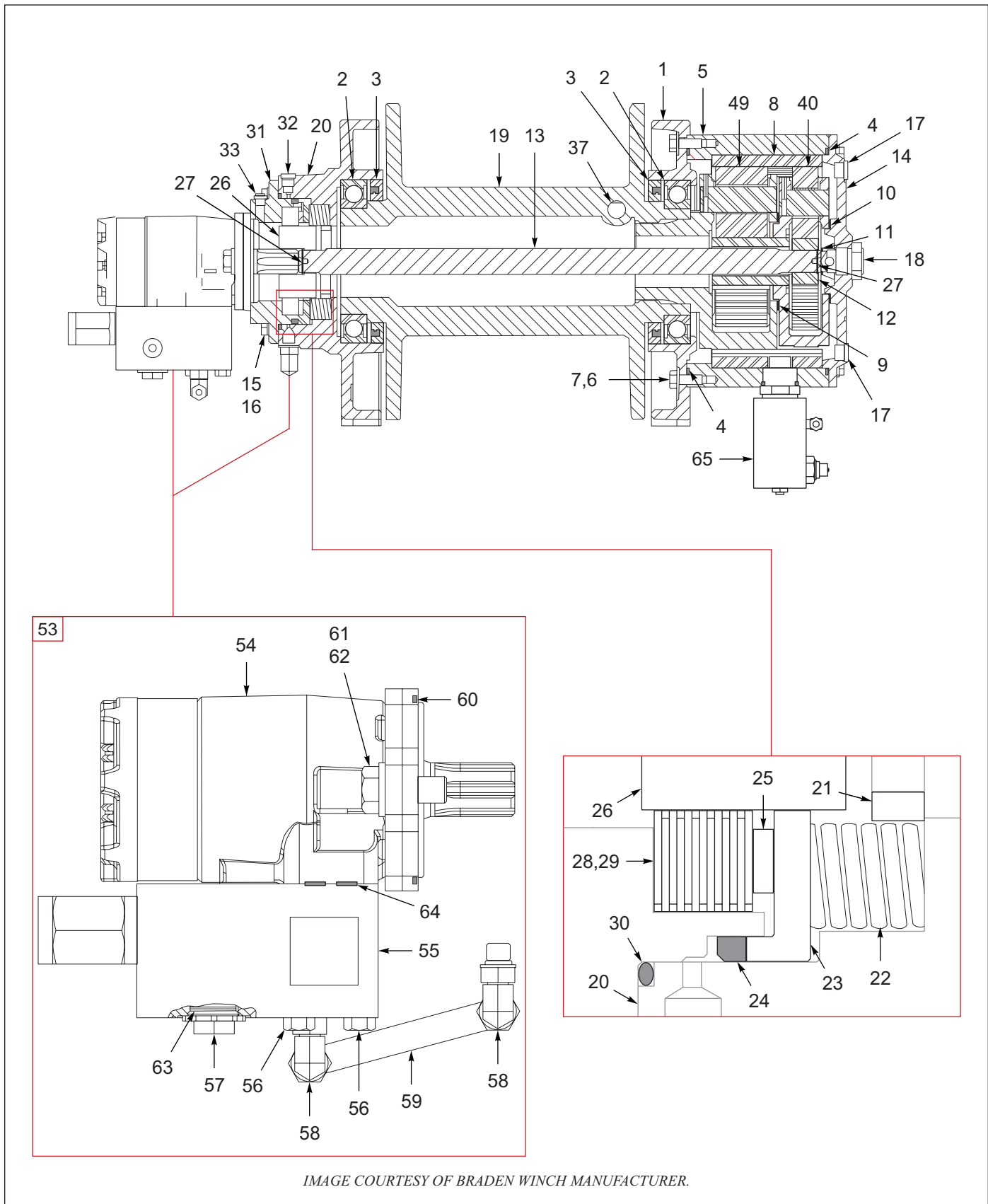
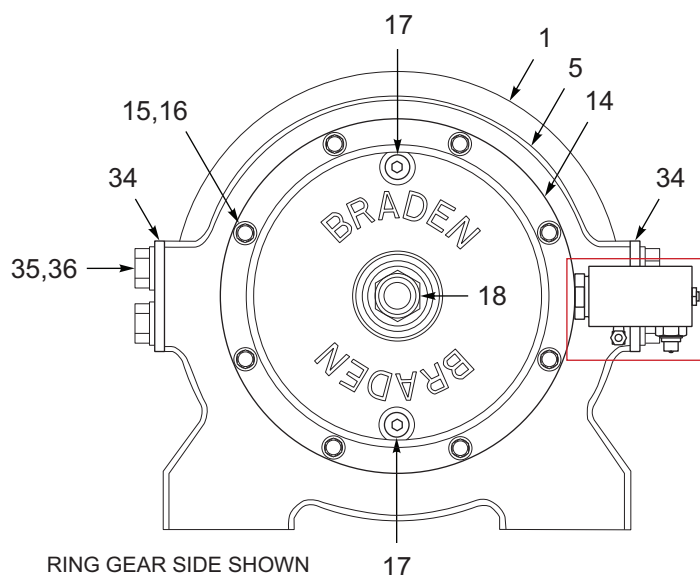
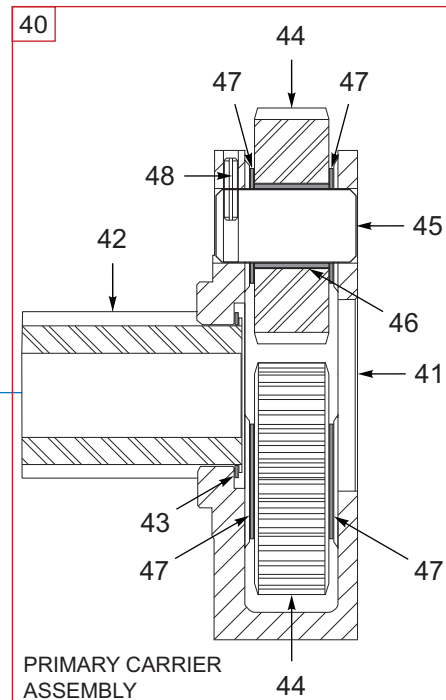
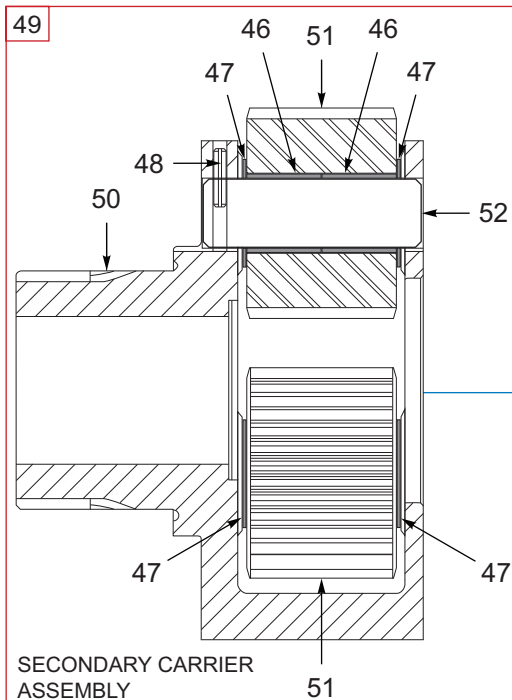


Figure 11-16: Winch Components, Braden 20K, 2 Speed (OPTION) (1 of 2)



NOT SHOWN:
 38 - DRIVE SCREW
 39 - NAME PLATE
 82 - TENSION ASSEMBLY
 83 - SEAL KIT, WINCH

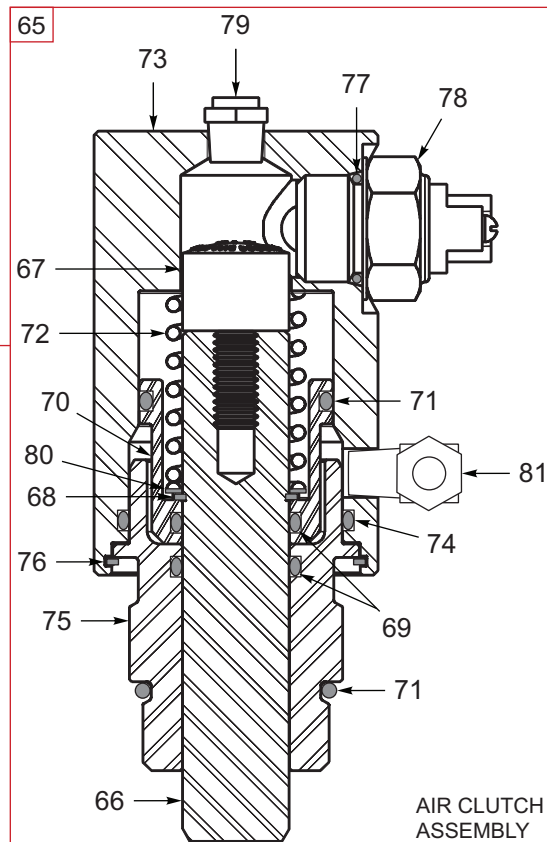


IMAGE COURTESY OF BRADEN WINCH MANUFACTURER.

Figure 11-17: Winch Components, Braden 20K, 2 Speed (OPTION) (2 of 2)

Winch Components, Braden 20K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	239740	WINCH 20K BRADEN 2 SPEED	--
1	247937	END PLATE 20K BRADEN	1
2	247938	BALL BEARING 20K BRADEN	2
3	247939	SEAL 4.72 X 6.30 X .47 (INCLUDED WITH ITEM 83)	2
4	247940	O-RING 20K BRADEN (INCLUDED WITH ITEM 83)	2
5	247941	RING GEAR HOUSING 20K BRADEN	1
6	247942	WASHER HARD 20K BRADEN	8
7	247943	CAPSCREW 20K BRADEN	8
8	247944	RING GEAR 20K BRADEN	1
9	247945	THRUST WASHER 3.00X3.75X.03	1
10	248264	THRUST WASHER 2.50X3.25X.03	1
11	248265	THRUST RACE BRADEN 20K	1
12	248266	SUN PRIMARY BRADEN 20K	1
13	248267	DRIVE SHAFT BRADEN 20K	1
14	248268	HOUSING COVER BRADEN 20K	1
15	248269	WASHER BRADEN 20K	16
16	248270	CAPSCREW BRADEN 20K	16
17	248271	PLUG BRADEN 20K	2
18	248272	SIGHT GAUGE BRADEN WINCH	1
19	248273	DRUM BRADEN TR20-O1 20K	1
20	248274	BRAKE END PLATE BRADEN 20K	1
21	248275	SPRING LOCATOR BRADEN 20K	1
22	248276	SPRING BRADEN 20K	12
23	248277	SPRING PLATE BRADEN 20K	1
24	248278	SEAL U-CUP BRADEN 20K (INCLUDED WITH ITEM 83)	1
25	248279	BRAKE PLATE SPACER BRADEN 20K	1
26	248280	BRAKE HUB BRADEN 20K	1
27	248281	SNAP RING BRADEN 20K	2
28	248282	BRAKE DISC BRADEN 20K	7
29	248283	FRICTION DISC BRADEN 20K	6
30	248284	O-RING BRADEN 20K (INCLUDED WITH ITEM 83)	1
31	248285	MOTOR ADAPTER SAE A2 BRADEN	1
32	248286	PLUG -4 BRADEN 20K	1
33	130350	RELIEF / VENT (10074) (INCLUDED WITH ITEM 83)	1
34	248287	TIE PLATE BRADEN 20K	2
35	248288	WASHER BRADEN 20K	8
36	248289	CAPSCREW BRADEN 20K	8
37	248290	SETSCREW BRADEN 20K	2
38	-----	DRIVE SCREW (USED TO MOUNT NAME PLATE)	4
39	-----	NAME PLATE (REQUIRES ITEM 38 TO MOUNT)	1
40	247933	PRIMARY CARRIER ASSY 20KBRADEN (INCLUDES ITEMS 42-49)	1
41	248293	CARRIER PRIMARY PLANETARY GEAR (INCLUDED WITH ITEM 40)	1
42	248294	SUN GEAR SECONDARY 20K (INCLUDED WITH ITEM 40)	1
43	248295	RETAINING RING EXTERNAL 2.06 (INCLUDED WITH ITEM 40)	1
44	248296	PRIMARY PLANET GEAR (INCLUDED WITH ITEM 40)	3
45	248299	PIN PRIMARY PLANET GEAR (INCLUDED WITH ITEM 40)	3
46	248297	BUSHING 1.00 X 1.13 X 1.00 (INCLUDED WITH ITEM 40, 3 EACH) (INCLUDED WITH ITEM 49, 6 EACH)	9

Winch Components, Braden 20K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
47	248298	THRUST BEARING BRADEN 20K (INCLUDED WITH ITEM 40), 6 EACH (INCLUDED WITH ITEM 49, 6 EACH)	12
48	248300	ROLL PIN 20K BRADEN (INCLUDED WITH ITEM 40, 3 EACH) (INCLUDED WITH ITEM 49, 3 EACH)	6
49	247934	SCNDARY CARRIER ASSY 20KBRADEN (INCLUDES ITEMS 46-48, 50-52)	1
50	248301	CARRIER SECONDARY PLANET GEAR (INCLUDED WITH ITEM 49)	1
51	248302	GEAR SECONDARY PLANET (INCLUDED WITH ITEM 49)	3
52	248303	PIN SECONDARY PLANET GEAR (INCLUDED WITH ITEM 49)	3
53	247936	HYD MOTOR ASSY 20K BRADEN (INCLUDES ITEMS 54-64)	1
54	248304	MOTOR HYD BRADEN 20K SPD (INCLUDES ITEMS 60, 64) (INCLUDED WITH ITEM 53)	1
55	248305	BRAKE VALVE BRADEN 20K 2 SPD (INCLUDED WITH ITEM 53)	1
56	248306	CAPSCREW BRADEN 20K 2 SPD (INCLUDED WITH ITEM 53)	4
57	-----	SHIPPING PLUG (INCLUDED WITH ITEM 53)	2
58	102-0188	FTG.90 EL 04SAEM X 04 O-RING (INCLUDED WITH ITEM 53)	2
59	1-397-010262-1	HOSE ASSY,1/4 JIC 37 ENDS 14 (INCLUDED WITH ITEM 53)	1
60	248307	O-RING WINCH MOTOR BRADEN 20K (INCLUDED WITH ITEMS 54, 83)	1
61	248308	WASHER 20K BRADEN (INCLUDED WITH ITEM 53)	2
62	248309	CAPSCREW MOTOR BRADEN 20K (INCLUDED WITH ITEM 53)	2
63	248310	O-RING WINCH MOTOR BRADEN 20K (INCLUDED WITH ITEM 53)	2
64	-----	O-RING (MOTOR TO BRAKE VALVE) (INCLUDED WITH ITEMS 54, 83)	2
65	247935	AIR CLUTCH ASSY 20K BRADEN (INCLUDES ITEMS 66-80, DOES NOT INCLUDE ITEM 81)	1
66	-----	PIN, FREESPOOL (INCLUDED WITH ITEM 65)	1
67	-----	BUMPER .75 (INCLUDED WITH ITEM 65)	1
68	-----	RET RING EXT .75 .042 (INCLUDED WITH ITEM 65)	1
69	-----	O-RING (INCLUDED WITH ITEM 65)	2
70	-----	PISTON, AIR CLUTCH (INCLUDED WITH ITEM 65)	1
71	-----	O-RING (INCLUDED WITH ITEM 65)	2
72	-----	SPRING .78 .98 .200L 32K (INCLUDED WITH ITEM 65)	1
73	-----	HOUSING, AIR CLUTCH (INCLUDED WITH ITEM 65)	1
74	-----	O-RING (INCLUDED WITH ITEM 65)	1
75	-----	PLUG, AIR CLUTCH (INCLUDED WITH ITEM 65)	1
76	-----	RET RING INT 1.75 .052 (INCLUDED WITH ITEM 65)	1
77	-----	O-RING (INCLUDED WITH ITEM 65)	1
78	-----	BALL SWITCH, SAE-8 N/C (INCLUDED WITH ITEM 65)	1
79	-----	RELIEF VALVE 1-5 PSI (INCLUDED WITH ITEM 65)	1
80	-----	THRUST WASHER .75 1.00 .032 (INCLUDED WITH ITEM 65)	1
81	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT (NOT INCLUDED WITH ITEM 65)	1
82	248342	TENSION ASY BRADEN 20K 2 SPD	1
83	-----	SEAL KIT, WINCH TR20A (KIT INCLUDES ITEMS 3-4, 24, 30, 33, 60, 64)	1

Winch Components, Braden 30K, 2 Speed (OPTION)

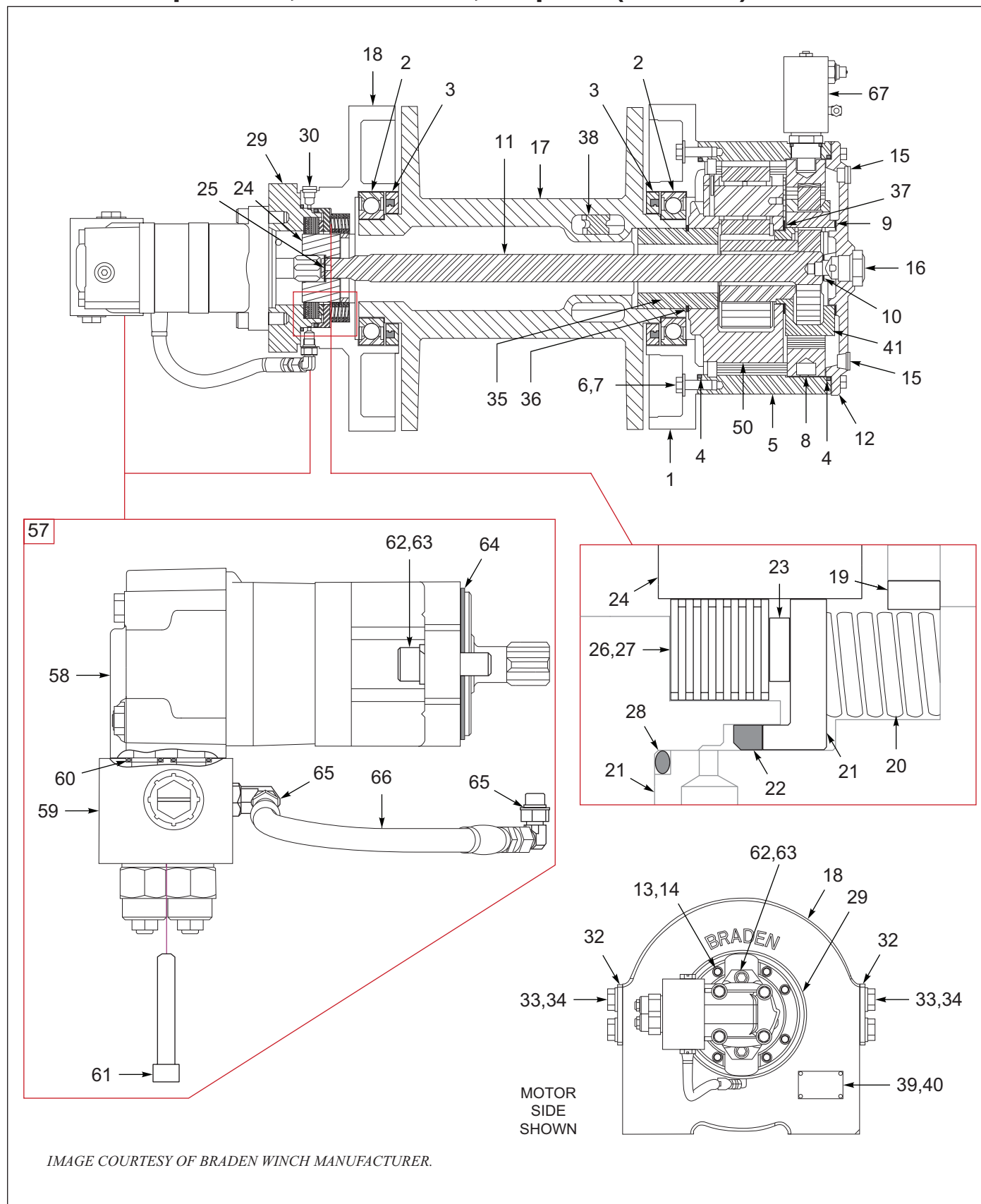


Figure 11-18: Winch Components, Braden 30K, 2 Speed (OPTION) (1 of 2)

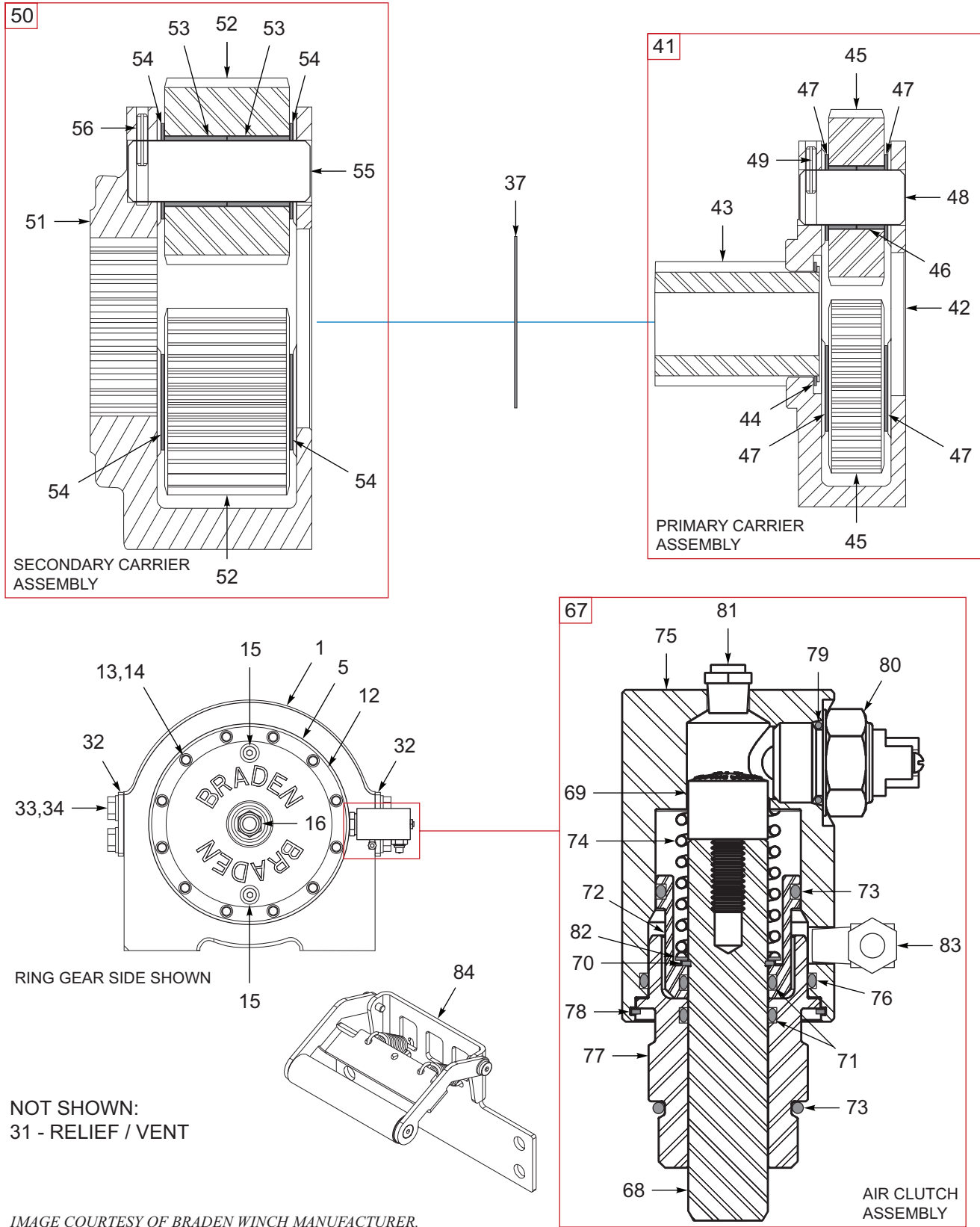


Figure 11-19: Winch Components, Braden 30K, 2 Speed (OPTION) (2 of 2)

Winch Components, Braden 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	239745	WINCH 30K BRADEN 2 SPEED	--
1	248311	ENDPLATE BRADEN 30K	1
2	247938	BALL BEARING 20K BRADEN	2
3	247939	SEAL 4.72 X 6.30 X .47	2
4	248312	O-RING BRADEN 30K	1
5	248313	OUTPUT RING GEAR BRADEN 30K	1
6	247942	WASHER HARD 20K BRADEN	12
7	248314	CAPSCREW BRADEN 30K	12
8	248315	INPUT RING GEAR BRADEN 30K	1
9	247945	THRUST WASHER 3.00X3.75X.03	1
10	248316	THRUST RACE BRADEN 30K	1
11	248317	DRIVE SHAFT BRADEN 30K	1
12	248318	HOUSING COVER BRADEN 30K	1
13	248269	WASHER BRADEN 20K	20
14	248270	CAPSCREW BRADEN 20K	20
15	248271	PLUG BRADEN 20K	2
16	248272	SIGHT GAUGE BRADEN WINCH	1
17	248319	DRUM BRADEN TR30A-O1 30K	1
18	248320	END PLATE BRADEN 30K	1
19	248275	SPRING LOCATOR BRADEN 20K	1
20	248276	SPRING BRADEN 20K	12
21	248277	SPRING PLATE BRADEN 20K	1
22	248278	SEAL U-CUP BRADEN 20K	1
23	248279	BRAKE PLATE SPACER BRADEN 20K	1
24	248280	BRAKE HUB BRADEN 20K	1
25	248281	SNAP RING BRADEN 20K	1
26	248282	BRAKE DISC BRADEN 20K	7
27	248283	FRICTION DISC BRADEN 20K	6
28	248284	O-RING BRADEN 20K	1
29	248321	MOTOR ADAPT SAE792 BRADEN 2SPD	1
30	248286	PLUG -4 BRADEN 20K	1
31	130350	RELIEF / VENT (10074)	1
32	248322	TIE PLATE BRADEN 30K (WINCH WO/ ITEM 84, REQ 2 EACH)	1
33	248323	WASHER BRADEN 30K	8
34	248324	CAPSCREW BRADEN 30K	8
35	248325	OUTPUT COUPLING BRADEN 30K	1
36	248326	RETAINING RING BRADEN 30K	1
37	248327	THRUST WASHER 3.34X4.33X.04	1
38	248328	CABLE WEDGE 30K BRADEN	1
39	-----	DRIVE SCREW (USED TO MOUNT NAME PLATE)	4
40	-----	NAME PLATE (REQUIRES ITEM 38 TO MOUNT)	1
41	248345	PRIMARY CARRIER ASSY 30K (INCLUDES ITEMS 42-49)	1
42	248329	PRIMARY PLANET GEAR 30K (INCLUDED WITH ITEM 41)	1
43	248330	OUTPUT SUN GEAR 30K (INCLUDED WITH ITEM 41)	1
44	248331	EXTERNAL RETAINING RING 30K (INCLUDED WITH ITEM 41)	1
45	248332	PLANET GEAR 30K (INCLUDED WITH ITEM 41)	3
46	248333	BEARING ROLLER 30K BRADEN (INCLUDED WITH ITEM 41)	6
47	248334	THRUST BEARING 30K BRADEN (INCLUDED WITH ITEM 41)	6
48	248335	PRIMARY PLANET PIN 30K BRADEN (INCLUDED WITH ITEM 41)	3

ITEM	PART NUMBER	DESCRIPTION	QTY.
49	11837	ROLL PIN (INCLUDED WITH ITEM 41)	3
50	248346	SECONDARY CARRIER ASSY 30K (INCLUDES ITEMS 51-56)	1
51	248336	SECONDARY PLANET CARRIER 30K (INCLUDED WITH ITEM 50)	1
52	248337	SECONDARY PLANET GEAR 30K (INCLUDED WITH ITEM 50)	3
53	248338	ROLLER BEARING 30K (INCLUDED WITH ITEM 50)	6
54	248339	THRUST WASHER 30K BRADEN (INCLUDED WITH ITEM 50)	6
55	248340	SECONDARY PLANETARY PIN 30K (INCLUDED WITH ITEM 50)	3
56	248341	SPIROL PIN 30K BRADEN (INCLUDED WITH ITEM 50)	3
57	248344	HYD MOTOR ASSY 30K BRADEN (INCLUDES ITEMS 58-66)	1
58	248347	HYD MOTOR 30K BRADEN 2 SPD (INCLUDES ITEMS 60, 64) (INCLUDED WITH ITEM 57)	1
59	248348	BRAKE ASSY 30K BRADEN 2 SPD (INCLUDED WITH ITEM 57)	1
60	248349	O-RING WINCH MOTOR BRADEN 30K (INCLUDED WITH ITEM 58)	2
61	248350	CPSCRW WINCH MOTOR BRADEN 30K (INCLUDED WITH ITEM 57)	3
62	248351	LCKWASH WINCH MOTOR BRADEN 30K (INCLUDED WITH ITEM 57)	2
63	248352	CPSCRW WINCH MOTOR BRADEN 30K (INCLUDED WITH ITEM 57)	2
64	248353	O-RING WINCH MOTOR BRADEN 30K (INCLUDED WITH ITEM 58)	1
65	102-0188	FTG.90 EL 04SAEM X 04 O-RING (INCLUDED WITH ITEM 57)	2
66	1-397-010262-1	HOSE ASSY,1/4 JIC 37 ENDS 14 (INCLUDED WITH ITEM 57)	1
67	247935	AIR CLUTCH ASSY 20K BRADEN (INCLUDES ITEMS 68-82, DOES NOT INCLUDE ITEM 83)	1
68	-----	PIN, FREESPOOL (INCLUDED WITH ITEM 67)	1
69	-----	BUMPER .75 (INCLUDED WITH ITEM 67)	1
70	-----	RET RING EXT .75 .042 (INCLUDED WITH ITEM 67)	1
71	-----	O-RING (INCLUDED WITH ITEM 67)	2
72	-----	PISTON, AIR CLUTCH (INCLUDED WITH ITEM 67)	1
73	-----	O-RING (INCLUDED WITH ITEM 67)	2
74	-----	SPRING .78 .98 .200L 32K (INCLUDED WITH ITEM 67)	1
75	-----	HOUSING, AIR CLUTCH (INCLUDED WITH ITEM 67)	1
76	-----	O-RING (INCLUDED WITH ITEM 67)	1
77	-----	PLUG, AIR CLUTCH (INCLUDED WITH ITEM 67)	1
78	-----	RET RING INT 1.75 .052 (INCLUDED WITH ITEM 67)	1
79	-----	O-RING (INCLUDED WITH ITEM 67)	1
80	-----	BALL SWITCH, SAE-8 N/C (INCLUDED WITH ITEM 67)	1
81	-----	RELIEF VALVE 1-5 PSI (INCLUDED WITH ITEM 67)	1
82	-----	THRUST WASHER .75 1.00 .032 (INCLUDED WITH ITEM 67)	1
83	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT (NOT INCLUDED WITH ITEM 67)	1
84	248343	TENSION ASSY BRADEN 30K 2 SPD (SOLD AS ASSEMBLY ONLY)	1

Winch Components, Ramsey 20K, 2 Speed (OPTION)

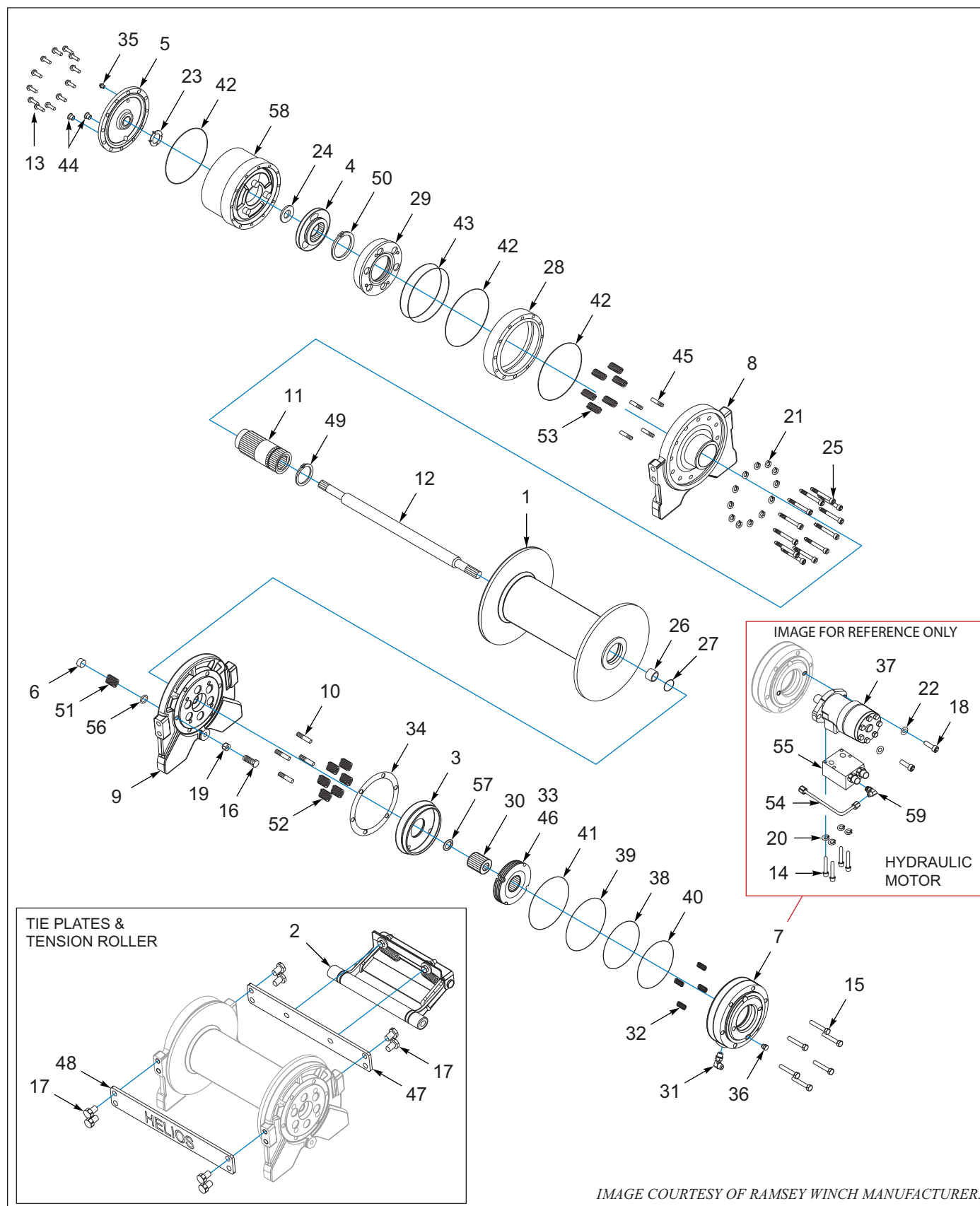


IMAGE COURTESY OF RAMSEY WINCH MANUFACTURER.

Figure 11-20: Winch Components, Ramsey 20K, 2 Speed (OPTION)

Winch Components, Ramsey 20K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240526	WINCH 20K RAMSEY 2 SPEED	--
1	247891	DRUM ASSEMBLY RAMSEY 20K	1
2	247892	TENSIONER ASSEMBLY RAMSEY 20K	1
3	247893	PISTON BRAKE RAMSEY 20K	1
4	247894	CLUTCH HERC 25K RAMSEY 20K	1
5	247895	COVER GEARBOX RAMSEY 20K	1
6	247871	DRAG PUCK DRUM FREE SPOOL	1
7	247896	HOUSING BRAKE RAMSEY 20K	1
8	247897	GEAR END BEARING 20K	1
9	247898	MOTOR END BEARING 20K	1
10	247899	PIN BRAKE .375 DIA X 2.125 LG	4
11	247900	COUPLING RAMSEY 20K WINCH	1
12	247901	SHAFT INPUT RAMSEY 20K	1
13	1-654-010049-05	SCREW HX CP 5/16-18UNCX1 GR5	12
14	1-654-010049-11	SCREW,HX CAP,5/16-18UNCX2-1/2	4
15	1-654-010051-11	SCREW HX CP 3/8-16X2-1/2 G5ZP	6
16	108439	SCREW HX CP 1/2-13UNCX1-1/2G8	1
17	1-654-010059-01	SCREW,HX CP,5/8-11UNCX1 GR5	8
18	MS16995-95	SCREW CP SCKT HD 1/2-13X1.25	2
19	112-1511	NUT HEX 1/2-13NC CD PL	1
20	1-861-010034-10	WASHER,LKG 5/16	4
21	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	12
22	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	2
23	247902	WASHER THRUST COVER RPH20000	1
24	247903	CLUTCH WSHR 2.125ODX.878IDX.07	1
25	129645	SCREW,HEX CAP,3/8-16X3 GR8	12
26	247904	BEARING RPH12 RAMSEY 20K	1
27	247905	O-RING AS-568-214	1
28	247906	CYLINDER 20K RAMSEY	1
29	247907	PISTON CLUTCH 20K RAMSEY	1
30	247908	COUPLING MOTOR 20K RAMSEY	1
31	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	1
32	247909	SPRING BRAKE PRESSURE 20K	4
33	247910	BRAKE DISC 0.71 1035CR STL	4
34	247911	GASKET BRAKE VCN-60 20K	1
35	456008	CAP, VENT	1
36	247912	BREATHER VENT RAMSEY 20K	1
37	247913	MOTOR 20K RAMSEY 2 SPD	1
38	247914	O-RING AS-568-256	1
39	247915	O-RING AS-568-259	1
40	247916	RING BACK-UP 1750-256	1
41	247917	RING BACK-UP 1750-259	1
42	247918	O-RING AS-568-165	3
43	247919	O-RING 6.484IDX6.762ODX.139T	2
44	247920	PLUG #6 ORB HEX SOCKET HEAD	2
45	247921	THREADED TAPER PIN RAMSEY 20K	4
46	247922	PLATE SEPERATOR BRAKE 20K	5
47	247923	TIE PLATE TENSIONER MNT 20K	1
48	247924	TIE PLATE HELIOS LOGO 20K	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
49	247925	SNAP RING 2-5/8" OD SHAFT	1
50	247926	SNAP RING 3-1/8" OD SHAFT	1
51	494002	SPRING, DISC BRAKE	1
52	247927	SPRING WINCH BRAKE 20K RAMSEY	6
53	247887	CLUTCH SPRING RAMSEY 30K	6
54	247928	HYDRAULIC TUBE 1/4" BRAKE 20K	1
55	247929	VALVE 2 SPEED DUAL CB 20K	1
56	247930	SPACER BRAKE DISC RAMSEY 20K	1
57	247931	WASHER THRUST 1.37 OD 20K	1
58	247932	GEARBOX RAMSEY 20K	1
59	-----	FITTING, ELBOW 90 O-RING	1

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Winch Components, Ramsey 30K, 2 Speed (OPTION)

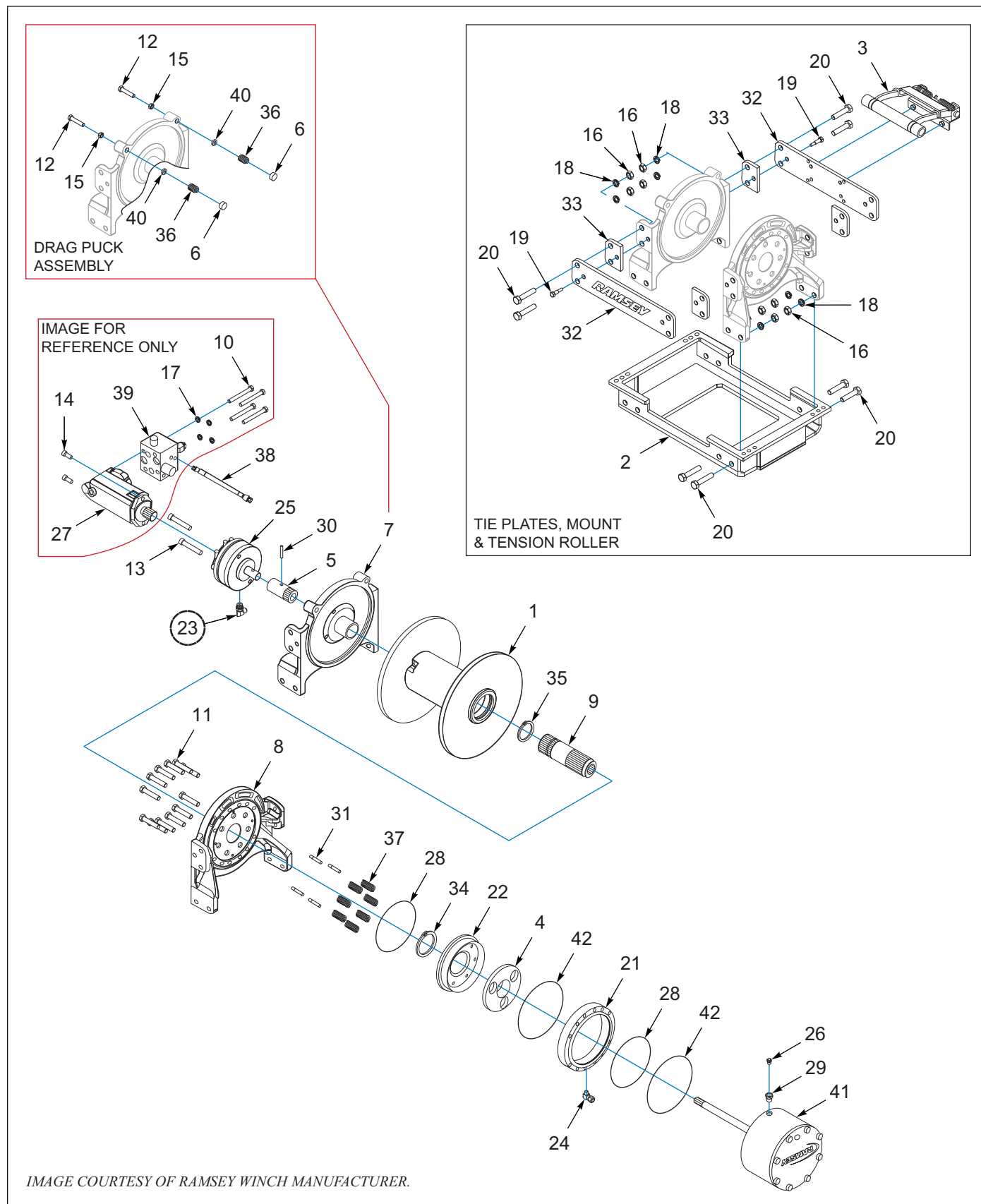
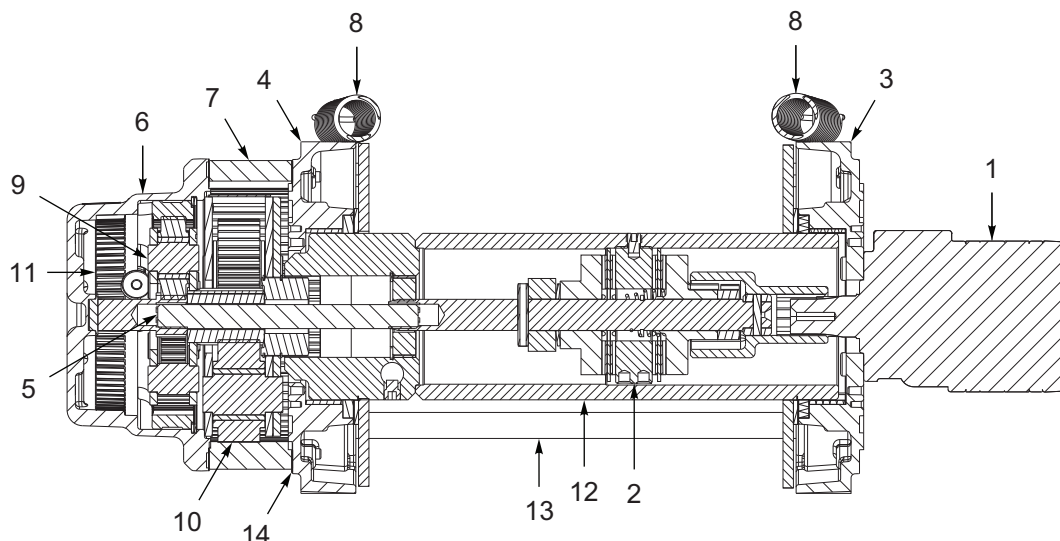


Figure 11-21: Winch Components, Ramsey 30K, 2 Speed (OPTION)

Winch Components, Ramsey 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
.	240528	WINCH 30K RAMSEY 2 SPEED	--
1	247866	DRUM ASSEMBLY RAMSEY 30K	1
2	247867	WLDMT LOW MOUNT FRAME 30K	1
3	247868	SPRING TENSION ASSY RMSY 30K	1
4	247869	CLUTCH RAMSEY 30K WINCH	1
5	247870	COUPLING RAMSEY 30K WINCH	1
6	247871	DRAG PUCK DRUM FREE SPOOL	2
7	247872	MOTOR END BEARING 30K	1
8	247873	GEAR END BEARING 30K	1
9	247874	OUTPUT COUPLING 30K	1
10	1-654-010052-17	SCREW HX CP 3/8-24UNFX4 GR5	4
11	1-654-010055-09	SCREW,HX CP,1/2-13UNCX3 GR5	12
12	108439	SCREW HX CP 1/2-13UNCX1-1/2G8	2
13	123706	SCREW,HX SCKT 1/2-13X3-1/2	2
14	MS16995-95	SCREW CP SCKT HD 1/2-13X1.25	2
15	112-1511	NUT HEX 1/2-13NC CD PL	2
16	112-1513	NUT 5/8-11 HEX ZP	16
17	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	4
18	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	16
19	247875	SHOULDER BOLT 1/2X1-1/4LG ZP	4
20	1-654-010059-06	SCREW,HEX CAP 5/8-11X2-1/4 G5	16
21	247876	CLUTCH CYLINDER 30K	1
22	247877	PISTON RAMSEY 30K	1
23	102-0188	FTG,90 EL 04SAEM X 04 O-RING	1
24	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	1
25	247878	BRAKE HYDRAULIC RAMSEY 30K (INCLUDES GASKETS)	1
26	456008	CAP, VENT	1
27	247879	MOTOR HYDRAULIC RAMSEY 30K	1
28	247880	O-RING GEARBOX RAMSEY 30K	2
29	2081-8-6S	REDUCER 1/2NPT X 3/8NPT	1
30	247881	SPRING PIN RAMSEY 30K	1
31	247882	TAPER PIN RAMSEY 30K	4
32	247883	TIE PLATE RAMSEY 30K	2
33	247884	SPACER TIE PLATE RAMSEY 30K	4
34	247885	RETAINING RING RAMSEY 30K	1
35	247886	RETAINING RING RAMSEY 30K	1
36	494002	SPRING, DISC BRAKE	2
37	247887	CLUTCH SPRING RAMSEY 30K	2
38	1-397-010262-1	HOSE ASSY,1/4 JIC 37 ENDS 14	1
39	247888	MOTOR CONTROL VALVE RAMSEY 30K	1
40	247889	SPACER BRAKE DISC RAMSEY 30K	2
41	247890	GEARBOX RAMSEY 30K	1
42	-----	O-RING GEARBOX RAMSEY 30K	2

Winch Components, Warn 12K, 1 Speed (OPTION)



NOT SHOWN:
 15 - TENSION KIT
 16 - IN WINCH TENSIONER PLATE
 17 - MOTOR WINCH
 18 - VALVE AIR RELEASE CLUTCH

IMAGE COURTESY OF WARN WINCH MANUFACTURER.

Figure 11-22: Winch Components, Warn 12K, 1 Speed (OPTION)

Winch Components, Warn 12K, 1 Speed (OPTION)

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
15	213120	TENSION KIT WINCH 12M WARN (NOT SHOWN)	1
16	214437	PIN WINCH TENSIONER PLATE (NOT SHOWN)	1
17	218610	MOTOR WINCH WARN 12K (NOT SHOWN)	1
18	223922	VALVE AIR RELEASE CLUTCH (NOT SHOWN)	1

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Winch Components, Warn 20K, 2 Speed (OPTION)

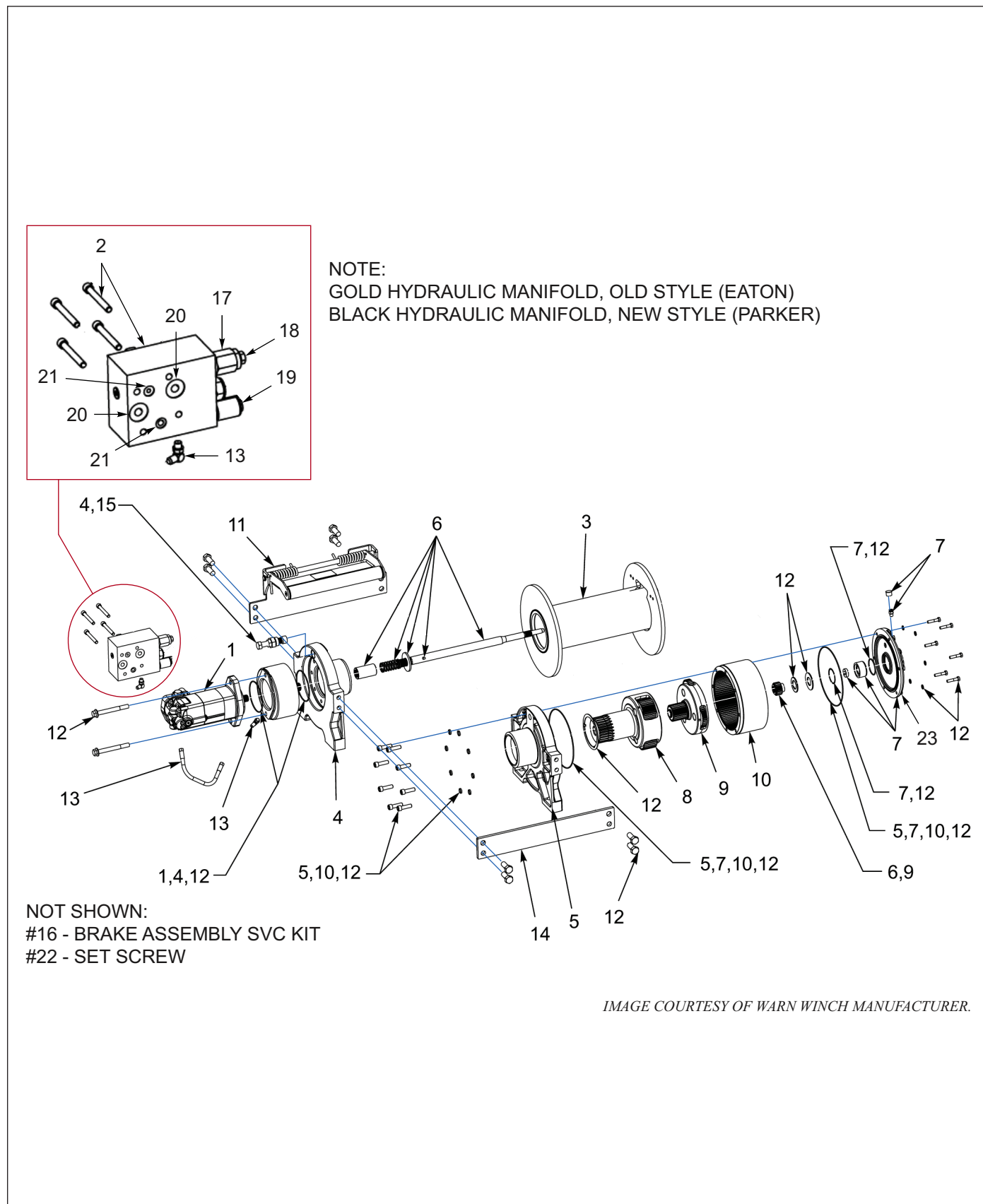
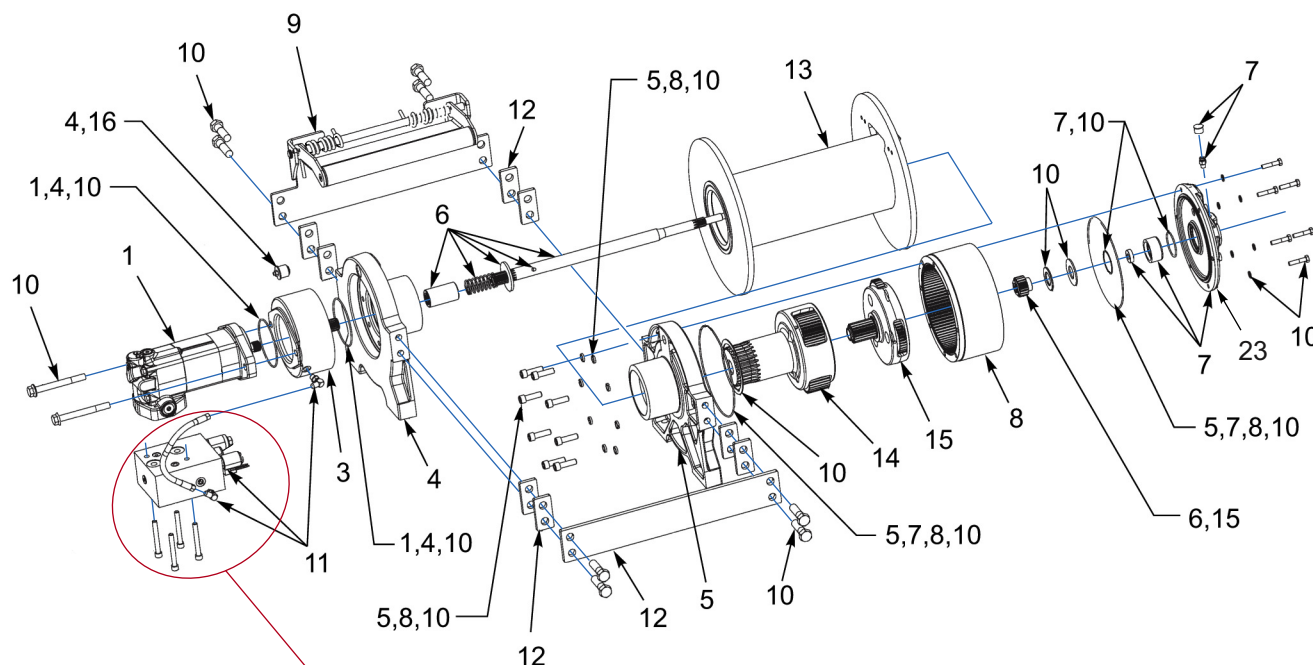


Figure 11-23: Winch Components, Warn 20K, 2 Speed (OPTION)

Winch Components, Warn 20K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	167521	WINCH 20K WARN 2 SPEED	--
1	178718	MOTOR-HYD 11.9 CIR 2K STD	1
2	-----	SVC KIT-MANIFOLD-HYD (2A - EATON, GOLD BODY BEFORE 01/01/2012 - AFTER REPLACE BY 2B)	1
2	178715	SVC KIT-MANIFOLD-HYD (2B - PARKER, BLACK BODY AFTER 01/01/2012)	1
3	162208	SVC KIT - DRUM ASSY 20K LONG	1
4	178999	SVC KIT - DRM RETRD_DRM SPRT	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	162207	SVC KIT - BRAKE ASSEMBLY (NOT SHOWN)	1
17	199104	SOLENOID COIL 12V 2SP WARN (17A - EATON BEFORE 01/01/2012) (SILVER ROUND BODY, DUETSCH CONNECTOR ON A LEAD)	1
17	247951	SOLENOID COIL 12V 2SP PARKER (17B - PARKER AFTER 01/01/2012) (BLACK SQUARE BODY, DUETSCH MOUNTED TO SOLENOID BODY)	1
18	201642	SOLENOID CARTRIDGE VALVE 2SP (18A - EATON BEFORE 01/01/2012) (SILVER BODY)	1
18	247947	SOLENOID CARTRIDGE VALVE 2SP (18B - PARKER AFTER 01/01/2012) (BLACK BODY)	1
19	201643	OVERCENTER VALVE (19A - EATON BEFORE 01/01/2012) (SILVER BODY)	1
19	247948	OVERCENTER VALVE (19B - PARKER AFTER 01/01/2012) (BLACK BODY)	1
20	201644	O-RING (20A - EATON BEFORE 01/01/2012)	2
20	247949	O-RING (20B - PARKER AFTER 01/01/2012)	2
21	201645	O-RING (21A - EATON BEFORE 01/01/2012)	2
21	247950	O-RING (21B - PARKER AFTER 01/01/2012)	2
22	201650	SET SCREW 3/8"X1/5" HEX SOCKET (NOT SHOWN)	2
23	225976	MANUAL FREESPOOL CLUTCH WARN (END CAP, MANUAL FREE SPOOL CLUTCH)	1

Winch Components, Warn 30K, 2 Speed (OPTION)



NOTE:
GOLD HYDRAULIC MANIFOLD, OLD STYLE (EATON)
BLACK HYDRAULIC MANIFOLD, NEW STYLE (PARKER)

NOT SHOWN:
#22 - SET SCREW

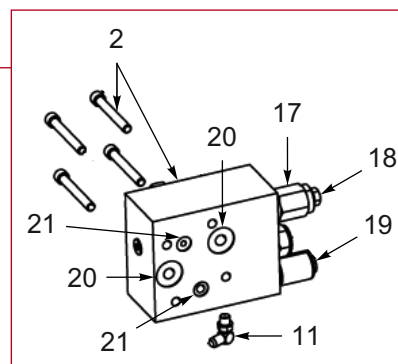


IMAGE COURTESY OF WARN WINCH MANUFACTURER.

Figure 11-24: Winch Components, Warn 30K, 2 Speed (OPTION)

Winch Components, Warn 30K, 2 Speed (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	172877	WINCH 30K WARN 2 SPD AIR	--
1	178714	SVC KIT-MOTOR-HYD	1
2	-----	SVC KIT-MANIFOLD-HYD (2A - EATON, GOLD BODY BEFORE 01/01/2012 - AFTER REPLACE BY 2B)	1
2	178715	SVC KIT-MANIFOLD-HYD (2B - PARKER, BLACK BODY AFTER 01/01/2012)	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	199104	SOLENOID COIL 12V 2SP WARN (17A - EATON BEFORE 01/01/2012) (SILVER ROUND BODY, DUETSCH CONNECTOR ON A LEAD)	1
17	247951	SOLENOID COIL 12V 2SP PARKER (17B - PARKER AFTER 01/01/2012) (BLACK SQUARE BODY, DUETSCH MOUNTED TO SOLENOID BODY)	1
18	201642	SOLENOID CARTRIDGE VALVE 2SP (18A - EATON BEFORE 01/01/2012) (SILVER BODY)	1
18	247947	SOLENOID CARTRIDGE VALVE 2SP (18B - PARKER AFTER 01/01/2012) (BLACK BODY)	1
19	201643	OVERCENTER VALVE (19A - EATON BEFORE 01/01/2012) (SILVER BODY)	1
19	247948	OVERCENTER VALVE (19B - PARKER AFTER 01/01/2012) (BLACK BODY)	1
20	201644	O-RING (20A - EATON BEFORE 01/01/2012)	2
20	247949	O-RING (20B - PARKER AFTER 01/01/2012)	2
21	201645	O-RING (21A - EATON BEFORE 01/01/2012)	2
21	247950	O-RING (21B - PARKER AFTER 01/01/2012)	2
22	201650	SET SCREW 3/8"X1/5" HEX SOCKET (NOT SHOWN)	2
23	225976	MANUAL FREESPOOL CLUTCH WARN (END CAP, MANUAL FREE SPOOL CLUTCH)	1

Cable Guide, 4-Roller, Braden 12K / 20K (OPTIONS)

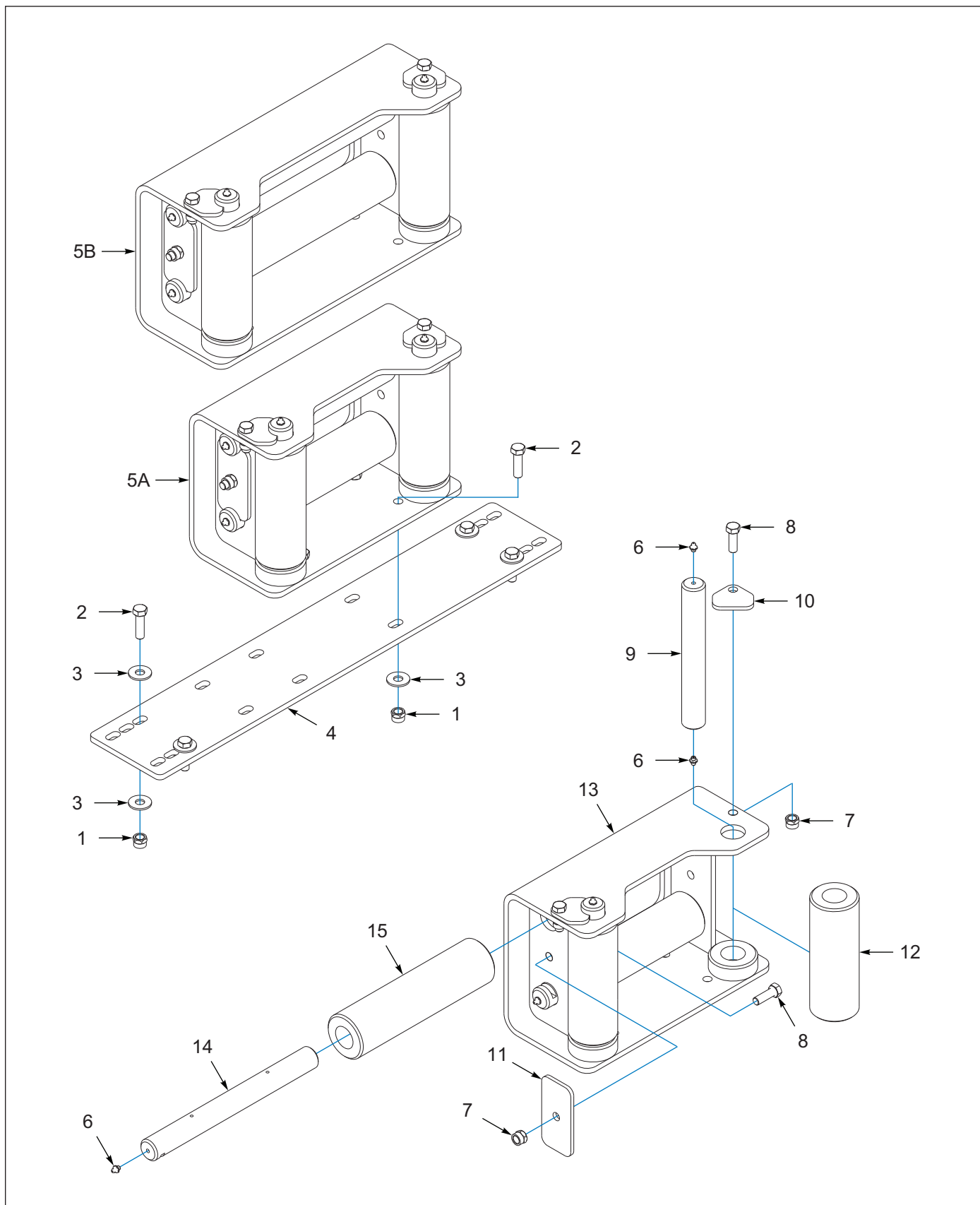


Figure 11-25: Cable Guide, 4-Roller, Braden 12K / 20K (OPTIONS)

Cable Guide, 4-Roller, Braden 12K / 20K (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	161155	GUIDE INSTL 4 ROLLER 12K BR (12K)	--
	145589	GUIDE INSTL 4 ROLLER 20K BR (20K)	--
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
2	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	8
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	12
4	145588	PLATE ROLLER GUIDE MT 400	1
5	161150	GUIDE ASSY WINCH 12K BRADEN (5A-12K) (INCLUDES ITEMS 6-15)	1
5	3-352-010067-2	GUIDE ASSY 20K WINCH (5B-20K) (INCLUDES ITEMS 6-15)	1
6	1-298-010001-1	ZERK FITTING 1/4 SAE (110-4954)	6
7	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	3
8	1-654-010055-03	SCREW, HEX CAP,1/2-13UNCX1-1/2	3
9	3-557-010543	PIN,VERT ROLLER 20K GUIDE	2
10	3-565-011792	PLATE GUIDE LOCK TOP	2
11	3-565-011793	PLATE GUIDE LOCK SIDE	1
12	3-645-010087	ROLLER VERT 20K WINCH GUIDE	2
13	161151	BRACKET WLDMT 12K WINCH GUIDE (12K)	1
13	3-120-010494	BRACKET WLDMT 20K WINCH GUIDE (20K)	1
14	161153	PIN, HORIZ ROLLER 12K GUIDE (12K)	2
14	3-557-010544	PIN, HORIZ ROLLER 20K GUIDE (20K)	2
15	161154	ROLLER,HORIZ 12K WINCH GUIDE (12K)	2
15	3-645-010088	ROLLER,HORIZ 20K WINCH GUIDE (20K)	2

Cable Guide, 4-Roller, Warn 20K / 30K (OPTIONS)

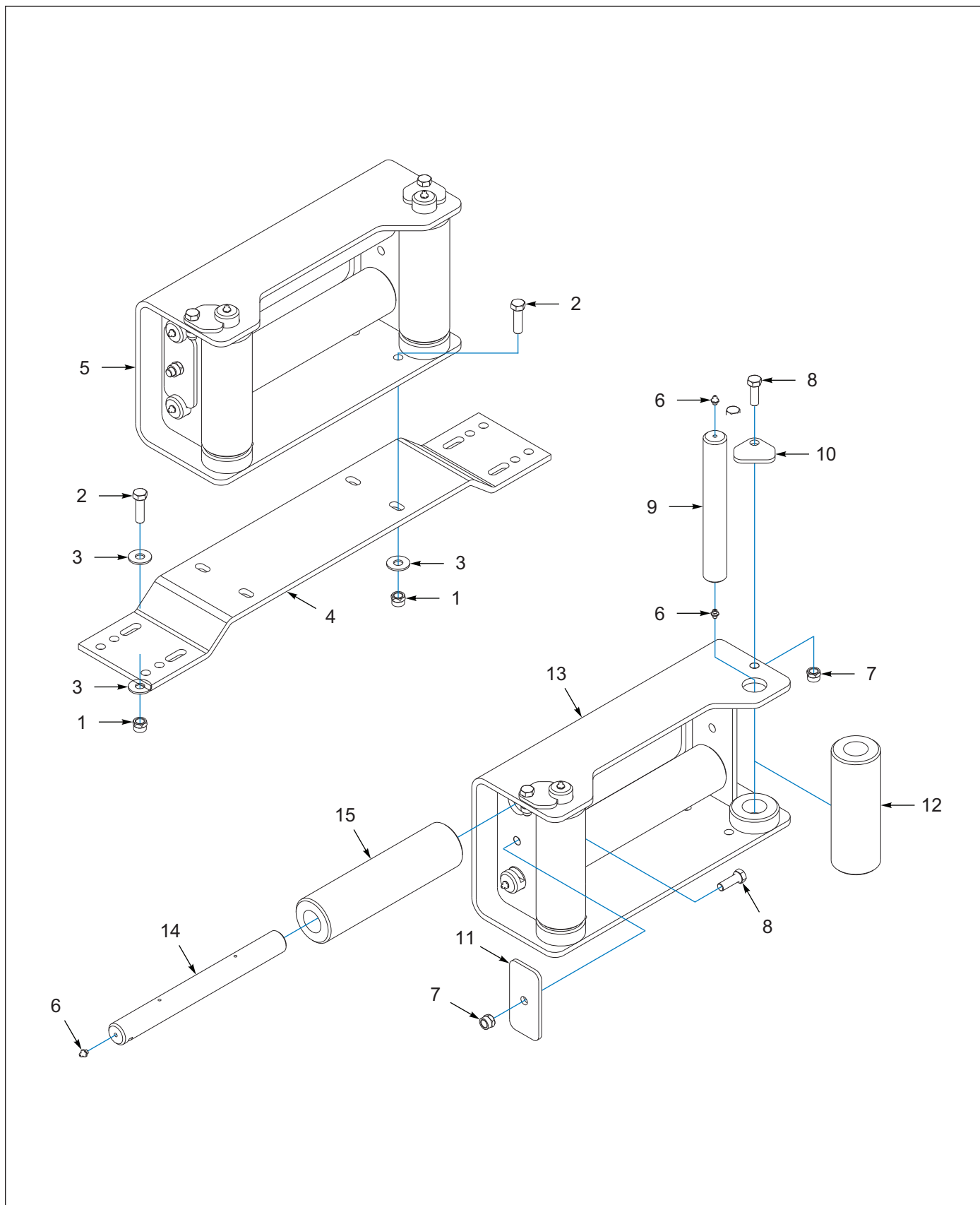


Figure 11-26: Cable Guide, 4-Roller, Warn 20K / 30K (OPTIONS)

Cable Guide, 4-Roller, Warn 20K / 30K (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	162258	GUIDE INSTL 4 ROLLER WARN	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
2	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	8
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	12
4	162259	PLATE ROLLER GUIDE WARN	1
5	3-352-010067-2	GUIDE ASSY 20K WINCH (INCLUDES ITEMS 6-15)	1
6	1-298-010001-1	ZERK FITTING 1/4 SAE (100-4954)	6
7	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	3
8	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	3
9	3-557-010543	PIN,VERT ROLLER 20K GUIDE	2
10	3-565-011792	PLATE GUIDE LOCK TOP	2
11	3-565-011793	PLATE GUIDE LOCK SIDE	1
12	3-645-010087	ROLLER VERT 20K WINCH GUIDE	2
13	3-120-010494	BRACKET WLDMT 20K WINCH GUIDE	1
14	3-557-010544	PIN, HORIZ ROLLER 20K GUIDE	2
15	3-645-010088	ROLLER,HORIZ 20K WINCH GUIDE	2

Guard, Winch WO/ Cable Pivot Guide (OPTIONS)

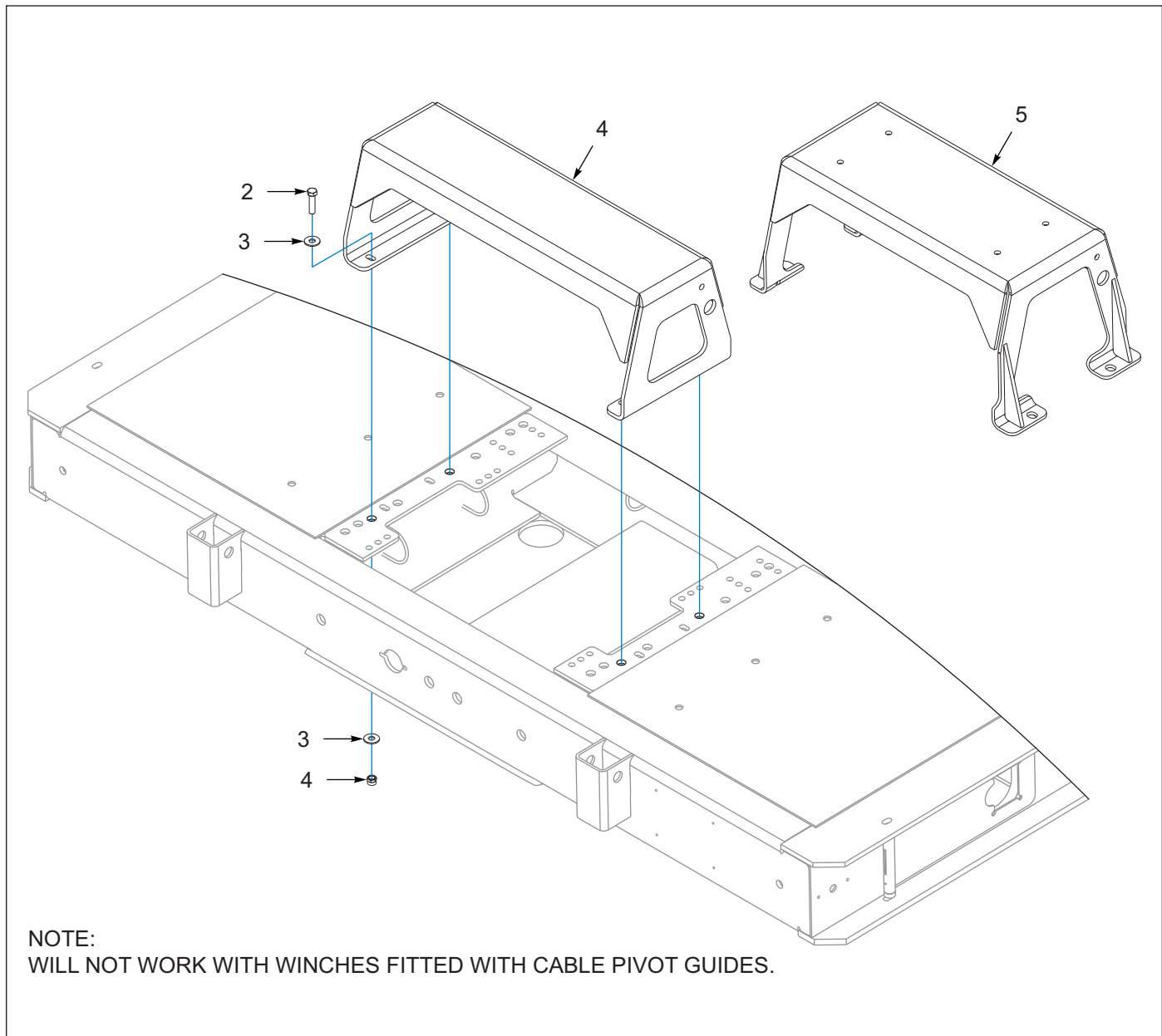


Figure 11-27: Guard, Winch WO/ Cable Pivot Guide (OPTIONS)

Guard, Winch WO/ Cable Pivot Guide (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	145598	GUARD,INSTLWINCH12/20K BRADEN (BRADEN 12K, 20K)	--
	171166	GUARD INSTL WINCH 20K/30K WARN (WARN 12K, 20K, 30K)	--
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
2	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2 GR5	4
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	8
4	145599	GUARD,WINCH 12/20K BRADEN (BRADEN 12K, 20K)	1
5	191831	GUARD WLDMT WINCH 20/30K WARN (WARN 12K, 20K, 30K)	1

Guard, Winch W/ Cable Pivot Guide (OPTION)

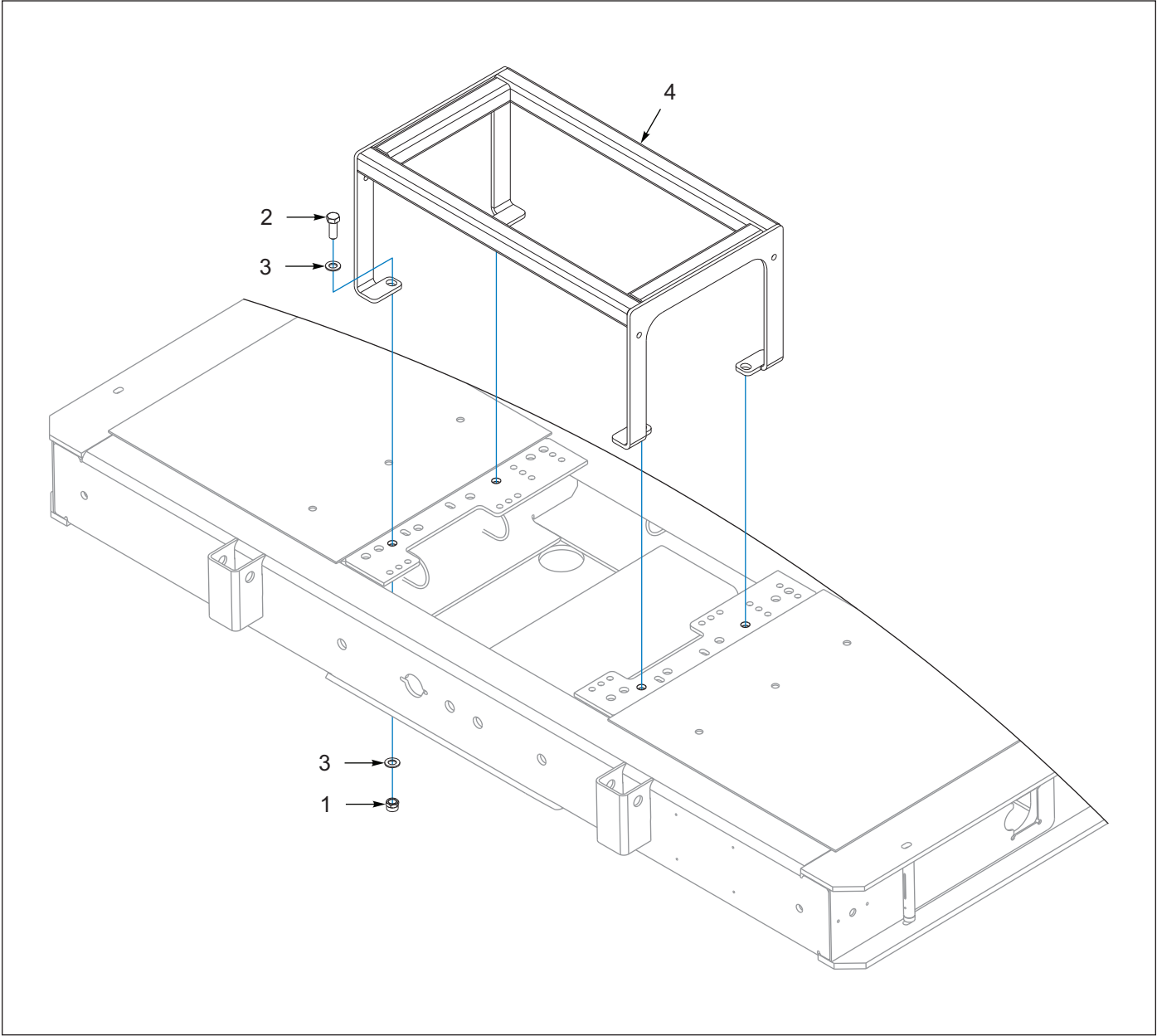


Figure 11-28: Guard, Winch W/ Cable Pivot Guide (OPTION)

Guard, Winch W/ Cable Pivot Guide (OPTION)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	163769	GUARD INSTL WINCH 20K PIVOT (BRADEN 20K W/ CABLE PIVOT GUIDE)	--
1	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	4
2	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	4
3	1-861-010032-20	WASHER, FLAT,3/4 N ZP/CD	8
4	163770	GUARD WLDMT WINCH 20K PIVOT	1

Upper Deck, Slope Roller (OPTIONS)

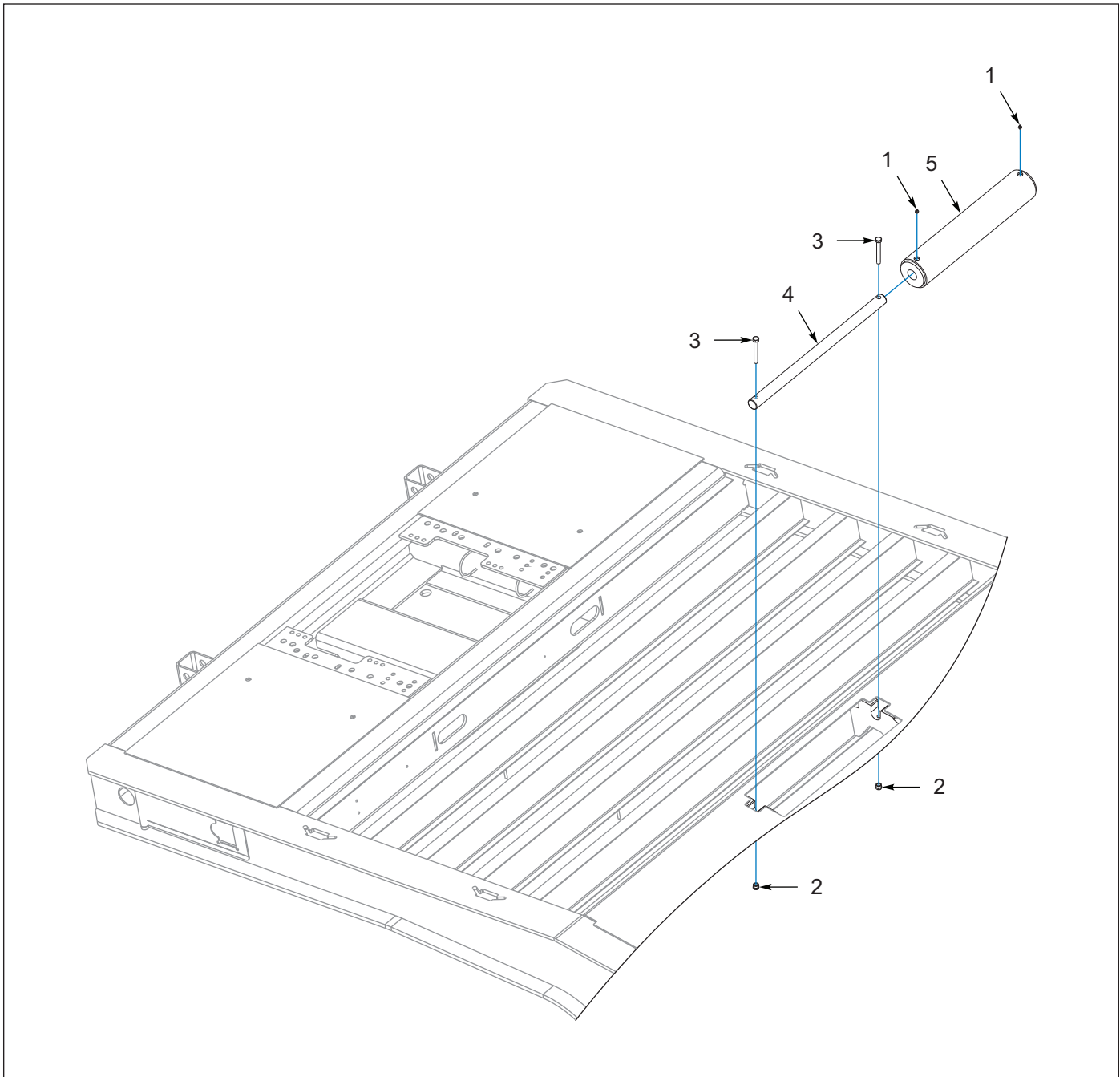


Figure 11-29: Upper Deck, Slope Roller (OPTIONS)

Upper Deck, Slope Roller (OPTIONS)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	131895	ROLLER INSTL UPR DK 400 OPT	--
1	1-298-010001-1	ZERK FITTING 1/4 SAE	2
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
3	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5	2
4	3-642-010134	ROD ROLLER	1
5	3-645-010059	ROLLER WLDMT,CABLE-UPPER DECK	1

[illegible]

Glossary

For clarity this glossary of industry standard abbreviations and their definitions are provided. For additional information, see instruction on the inside front cover or the last page of this manual.

A

A/R	Air Ride
AG	Agriculture
AL	Aluminum
APT	Apitong
ASM	Assembly
ASSY	Assembly
AX	Axle

B

B/T	Beavertail
BATT	Battery
BHSC	Button Head Socket Cap
BKT	Bucket
BLK	Black

C

CB	Carriage Bolt
CON	Construction
CONN	Connector
CRG	Carriage
CTR	Center
CTSK	Countersunk
CTWT	Counterweight
CVR	Cover
CYD	Cylinder

D

DBL	Double
DIA	Diameter
DS	Dropside

E

ENCLSD	Enclosed
--------	----------

F

FHCS	Flanged Head Cap Screw
FHHCS	Flanged Hex Head Cap Screw
FL OR FLG	Flange
FLT	Flat
FT	Foot

G

G/N	Gooseneck
GA	Gauge
GAL	Gallon
GALV	Galvanized
GR	Grade

H

HHCS	Hex Head Cap Screw
HCS	High Carbon Steel
HD	Head
HD	Heavy Duty
HLCL	Helical
HCSKT	Hex Socket
HF	Hydraulic Flip
HSFC	Hex Socket Flat Countersunk
HYD	Hydraulic
HX	Hexagon

I

ID	Inside Diameter
INST	Installation

J

JIC	Joint Industrial Council
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L

LH	Left Hand
LKG OR LOCK	Locking
LP	Low Profile
LWR	Lower

M

MANF Manifold
MNT Mount

N

NRW Narrow
NSS Not Serviced Separately
NYL Nylatron

O

OD Outside Diameter
OHG Overhead Guard
ORFS OR ORS O-Ring Seal
ORP OR ORB O-Ring Boss
OPT Option

P

PC Paver/Construction
P/O Pull Out
P-STEER Power Steering
POL Polished
PTFE Polytetrafluoroethylene (Teflon)

Q

QT Quart

R

RD Round
RES Reservoir
REQ Requires
RH Right Hand
RND Round

S

S/U Suspension
SER Series
SHCS Socket Head Cap Screw
SHLD Shield
SKT Socket
SLFLKG Self Locking
SOC Socket

SPD Speed
SPDT Single Pole Double Throw
SPR Spring
SQ Square
SRTD Serrated
STL Steel
SSCR Setscrew
SST Stainless Steel
STD Standard
SWVL Swivel

T

TRL Trailer
TRGH Trough

U

UPR Upper

V

VDC Volts Direct Current

W

WD Wood
WHL Wheel
WLD OR WLDMT Weldment

X

Y

Z

ZP Zink Plate

Index

Symbols

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Instructions for Ordering Parts

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

DEALER INSTRUCTIONS FOR ORDERING PARTS FROM LANDOLL PARTS DISTRIBUTION CENTER

Phone #: **800-423-4320** or **785-562-5381**

Fax #: **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.

SERIAL NUMBER

The serial number is located on the identification plate.

The following information will help decode the serial number.

AAABBBBCDEFGHJJJJ

AAA	= world manufacturer identifier
BBB	= model
C	= length
D	= axle type
E	= federal check digit

F	= model year
G	= plant of manufacture
H	= model version
JJJJJ	= serial number

MANUFACTURED BY/ FABRIQUE PAR:				<i>Landoll Company, LLC</i> 1900 North Street Marysville, KS 66508 1-800-428-5655 www.landoll.com	
DATE:		TYPE/TYPE DE VEHICULE: TRA/REM			
GVWR/PNBV:					
AXLE	TIRE/PNEU	RIM/JANTE	COLD INFL PRESS/ PRESS DE GONG. À FROID TIRE/PNEU	GAWR/PNBE	
FR/AV					
INT					
RR/AR					
SGL/DUAL:		VIN/NIV:			
THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED UNDER THE CANADIAN MOTOR VEHICLE SAFETY REGULATIONS IN EFFECT ON THE DATE OF MANUFACTURE. CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LA SÉCURITÉ DES VÉHICULES AUTOMOBILES DU CANADA EN VIGUEUR À LA DATE DE SA FABRICATION. THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS) IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.					

Identification Plate and Location

Manuals for 930E / 950E

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

Document Control Revision Log:

Date	Form #	Improvement(s): Description and Comments
03/23/2023	F-1004-2303	Updated the manual and revision format from Month Year to Year Month (was 0323, now 2303).
11/01/2023	F-1004-2311	Updated the manual with ECN's, corrections, updates and new winch accessories.
04/16/2024	F-1004-2311	Improvement: Updated ISO Logo.



Equipment from Landoll Company, LLC is built to
exacting standards ensured by ISO 9001:2015 registration
at all Landoll manufacturing facilities.

930E / 950E

Parts Manual

Re-Order Part Number F-1004

LANDOLL COMPANY, LLC

1900 North Street
Marysville, Kansas 66508
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