440B / 455B
Travel Axle Trailer
Parts Manual



LANDOLL COMPANY, LLC
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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.

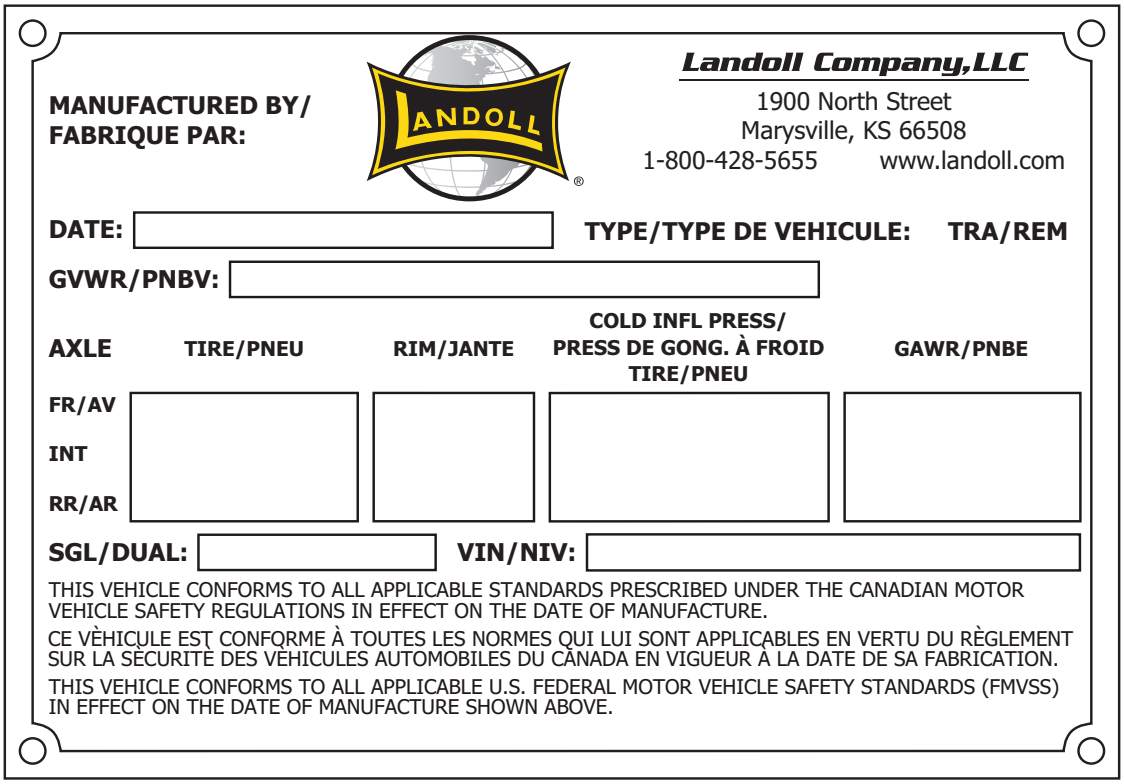
SERIAL NUMBER

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

AAABBBCDEFGHJJJJJ

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



Identification Plate and Location

Manuals for 440B/455B Trailers

Manual Number	Manual Type
F-1013	Operator's Manual
F-1003	Parts Manual

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Decals & Placard Placement

Frame Assembly

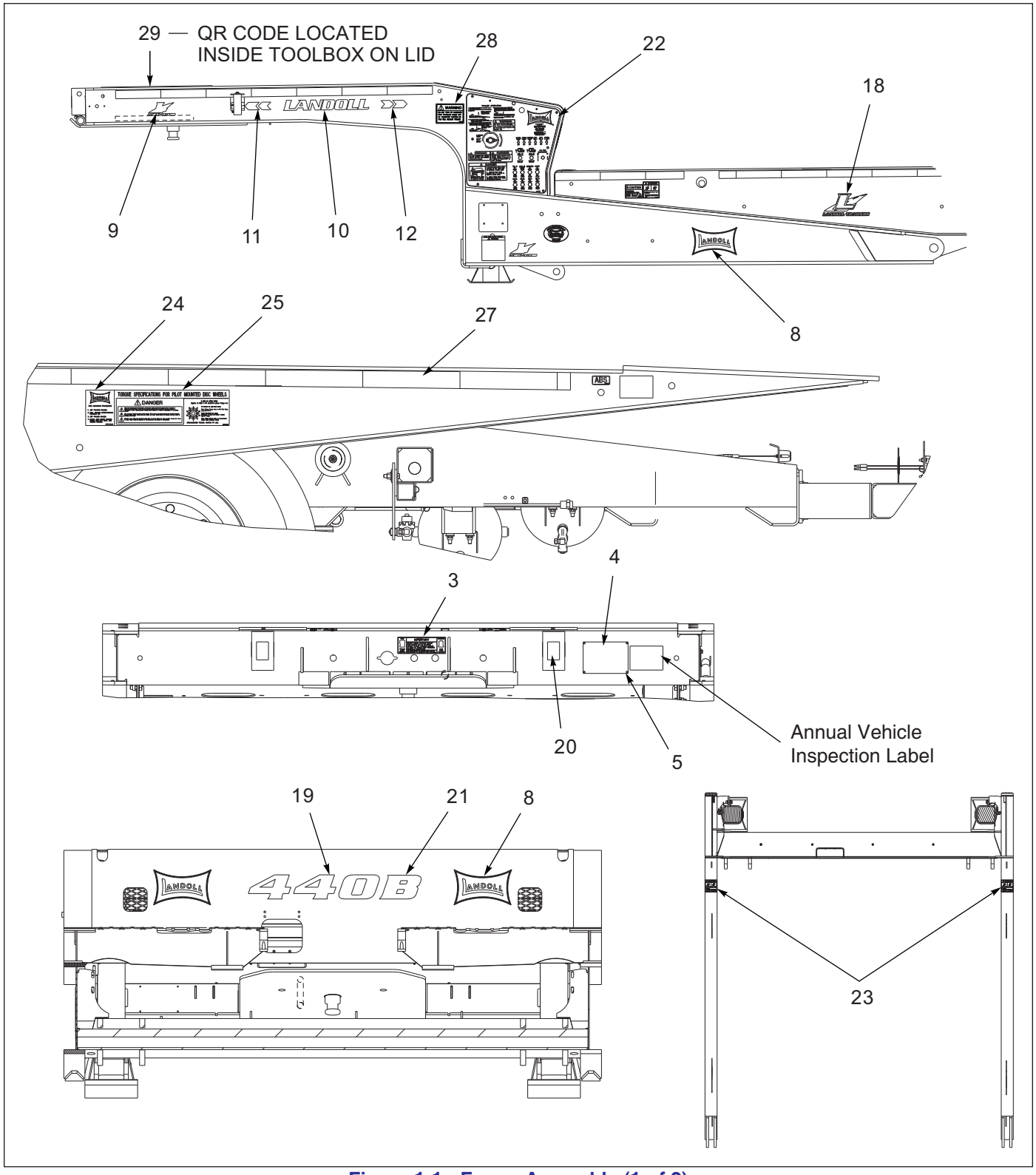


Figure 1-1: Frame Assembly (1 of 2)

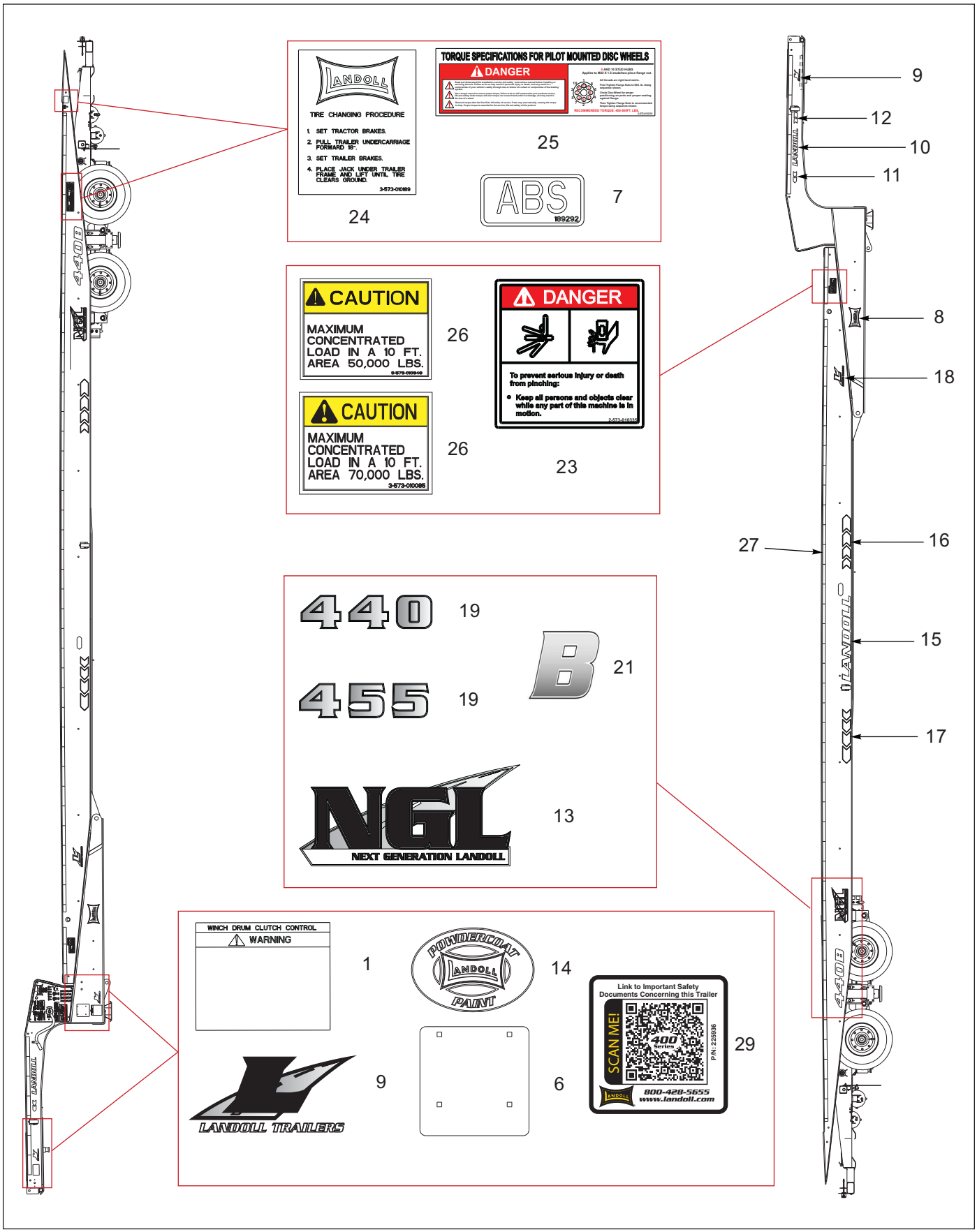


Figure 1-2: Frame Assembly (2 of 2)

Frame Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212386	DECAL INSTALLATION 440B	- -
	214440	DECAL INSTALLATION 455B	- -
1	100600	DECAL, WARNING, BRADEN WINCH	1
2	101855	WARNING LAMP LABEL, ABS **(NOT SHOWN)**	1
3	105822	DECAL, HYD COUPLER **(BEFORE 03/01/2022)**	1
		(AFTER 03/01/2022 NO LONGER USED)	
4	155780	TRAILER VIN PLATE	1
5	156010	RIVET, BLIND, .156 X 1/2 GRIP	4
6	189253	PLATE, COVER, WEIGH SCALE	1
7	189292	DECAL, ABS, WHITE	1
8	192208	DECAL, BOWTIE 6-3/4 X 11	4
9	196165	DECAL, HIGHWAY L	3
10	196167	DECAL, LANDOLL SMALL	2
11	196168	DECAL, ARROW SMALL 2LH	2
12	196169	DECAL, ARROW SMALL 2RH	2
13	196171	DECAL, NEXT GENERATION	2
14	196173	DECAL, POWDERCOAT SMALL	1
15	196174	DECAL, LANDOLL LARGE	2
16	196175	DECAL, ARROW LARGE 4RH	2
17	196176	DECAL, ARROW LARGE 4LH	2
18	196177	DECAL, HIGHWAY L LARGE	2
19	197419	DECAL, 440 TRAILER **(440B)**	1
19	197420	DECAL, 455 TRAILER **(455B)**	1
20	202578	REFLEXITE WHITE 3 IN. LENGTH	2
21	212388	DECAL LETTER B	3
22	212432	PLACARD CONTROL PANEL	1
23	2-573-010335	DECAL, DANGER, PINCH POINT	4
		(IF EQUIPPED WITH G/N TILT WEDGE ASSEMBLY, REQ 6 EACH)	
24	3-573-010189	DECAL, TIRE CHANGING PROCEDURE	1
25	3-573-010210	DECAL, TORQUE SPEC 8-10 STUD HUB	1
26	3-573-010349	DECAL, CAUTION, 50K/10FT CONC LOAD **(440B)**	2
26	3-573-010085	DECAL, CAUTION, 70K/10FT CONC LOAD **(455B)**	2
27	3-573-010377	DECAL, 2 IN. REFLEXITE TAPE, RED/WHITE	- -
28	217155	DECAL, WARNING TRAVELING AXLE	1
29	225936	DECAL, QR CODE 400 SERIES	1

Table provided for general use.

NOTES:

Trailer Assembly

Frame Components, Upper Deck

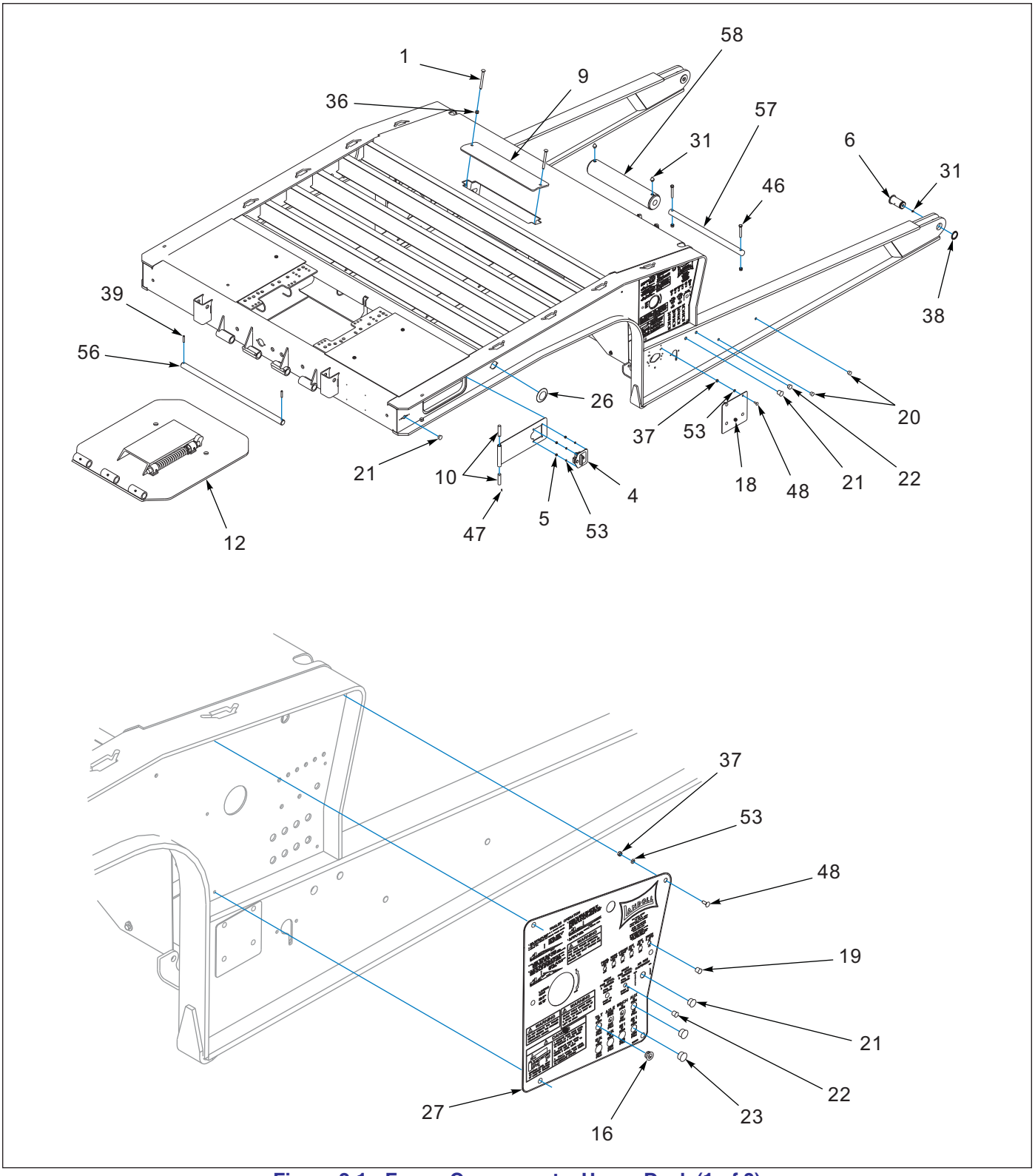


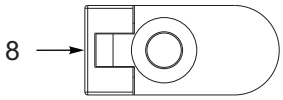
Figure 2-1: Frame Components, Upper Deck (1 of 3)

TOP TOOLBOX LID
STREETSIDE SHOWN

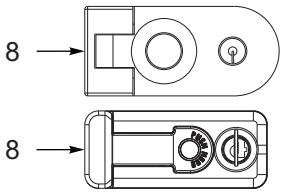
LATCH OPTIONS

NOTE: RELEASE HANDLE AND DRILL HOLE IN CORNER FOR DRAIN

NON-LOCKING

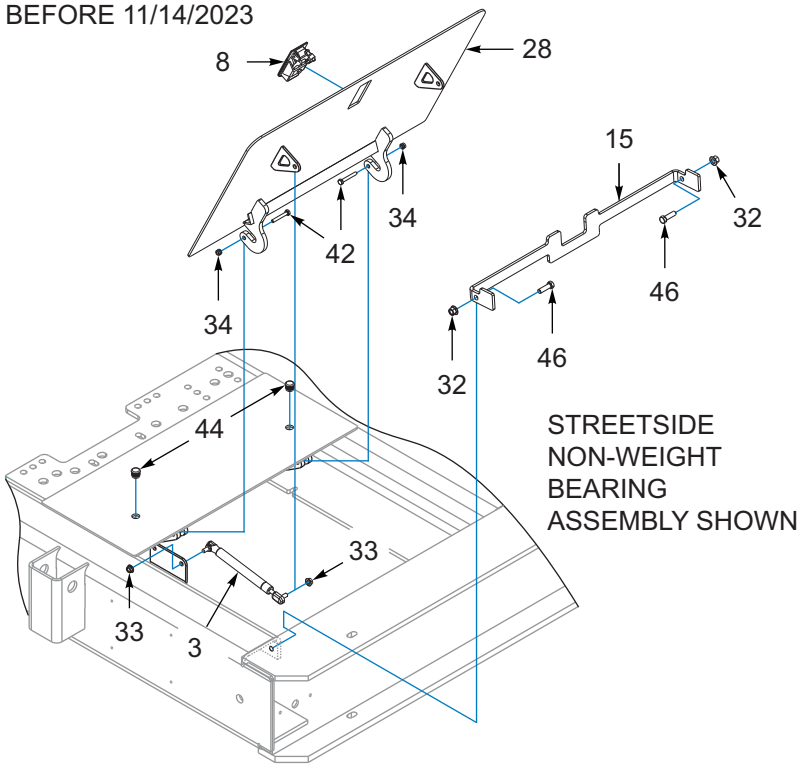


LOCKING



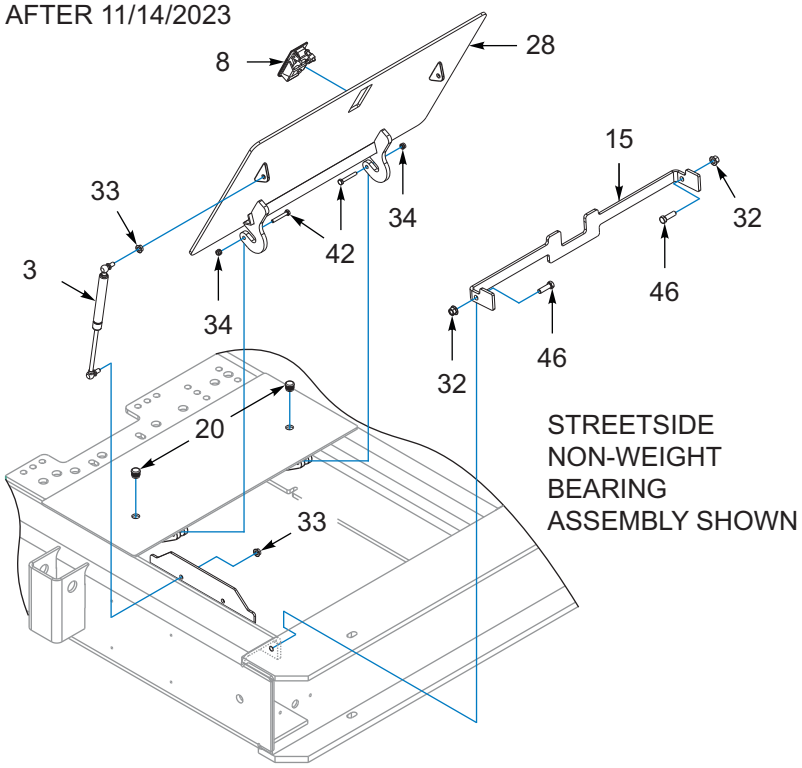
NOT SHOWN:
61 - KEY, REPLACEMENT

BEFORE 11/14/2023



STREETSIDE
NON-WEIGHT
BEARING
ASSEMBLY SHOWN

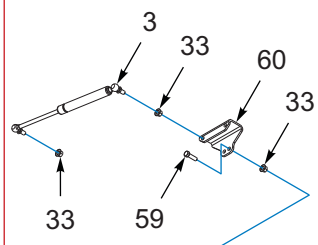
AFTER 11/14/2023

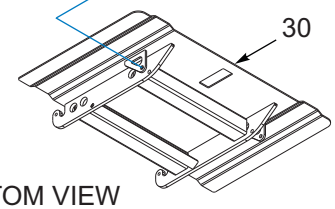


STREETSIDE
NON-WEIGHT
BEARING
ASSEMBLY SHOWN

WEIGHT BEARING LID

GAS SPRING MOUNT
AFTER 11/14/2023





BOTTOM VIEW

Figure 2-2: Frame Components, Upper Deck (2 of 3)

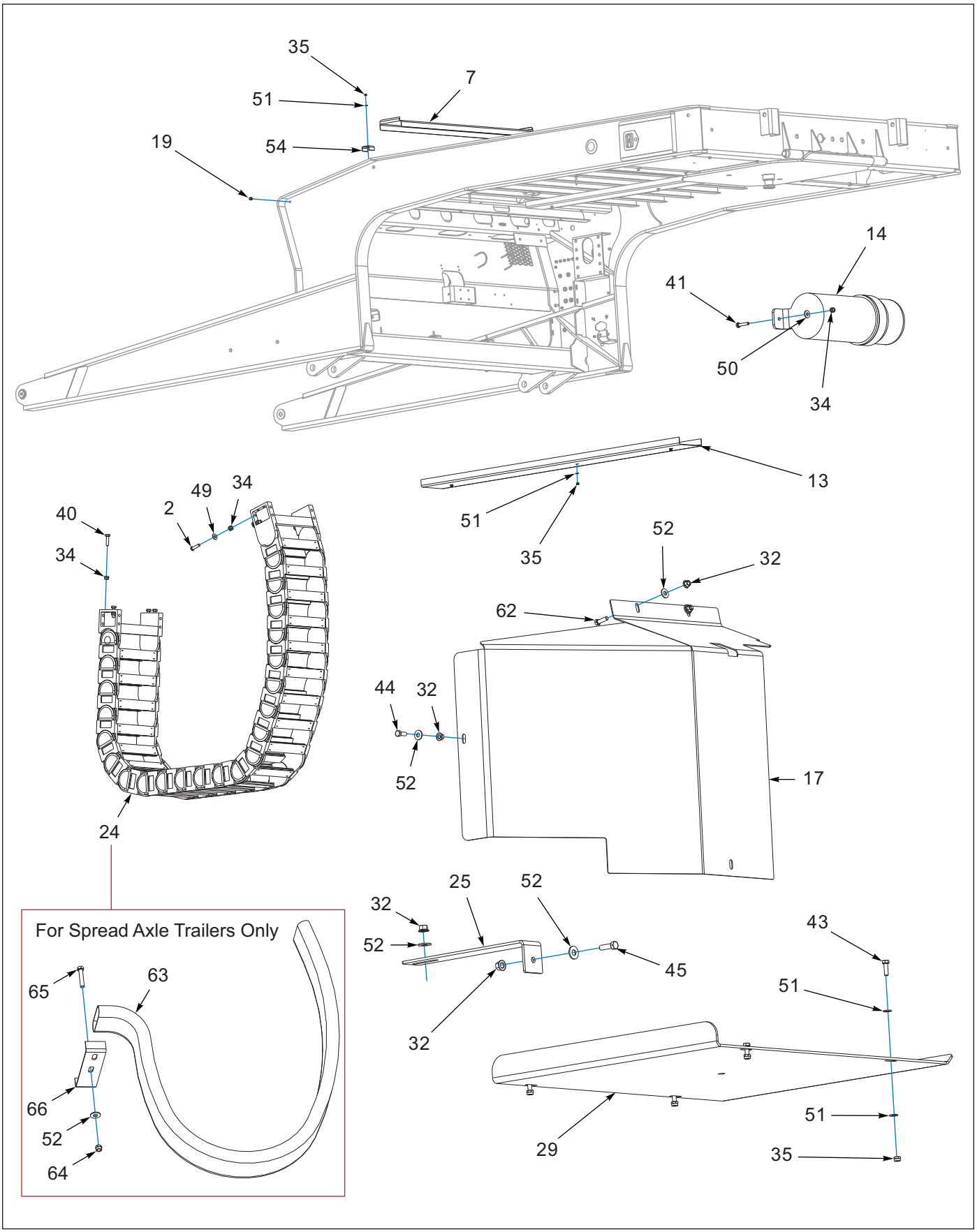


Figure 2-3: Frame Components, Upper Deck (3 of 3)

Frame Components, Upper Deck

ITEM	PART NUMBER	DESCRIPTION	QTY.
	213976	FRAME G/N 400B TOP TOOLBOX	- -
	215200	FRAME ASSY 400B G/N SIDE DOOR	- -
	215194	FRAME G/N 400B HD TOP TLBX	- -
	214641	FRAME ASSY 400B HD G/N	- -
1	100939	SCREW, RD HD, SQ NK, 1/2-13X5-1/2	2
2	108610	SCREW, BHSC 1/4-20UNCX1	4
3	110435	BT CONSOLE LIFT,GAS SPRING **(BEFORE 11/14/2023)** **(INCLUDES CLIPS AND STUDS, 2 EACH)**	2
3	246215	CYLINDER,GAS SPRING,94# **(AFTER 11/14/2023)** **(REQ ITEM 33, 2 PER CYLINDER)**	2
4	114814	LATCH, FOLDING T, LOCKABLE	2
5	115877	NUT, HEAVY HEX, 1/4-20 GR5	8
6	116943	PIN WLDMT, PIVOT 410	2
7	117565	COVER, HOSE LOWER, 410 G/N	1
8	121526	LATCH, COMPRESSION **(NON-LOCKING)**	2
8	118853	LATCH COMPRESSION SOUTHCO **(OBSOLETE - ORDER 245222)** **(LOCKING, ITEM 65, CH751)**	2
8	246222	LATCH, SLAM **(REPLACED 118853)** **(LOCKING, INCLUDES ITEM 65, 252677)**	2
9	131196	PLATE, WINCH CABLE WEAR U/D 400	1
10	135181	BUSHING, NYLATRON TOOLBOX	4
11	136352	DOOR, WLDMT, TOOLBOX 400, RMV **(STANDARD, PAINTED)**	2
11	240517	GALV OF 136352 (DOOR) **(STANDARD, GALV)**	2
11	140851	DOOR, WLDMT, TOOLBOX, 410HD, RMV **(HEAVY DUTY, PAINTED)**	2
11	148776	GALVANIZING OF 140851(DOOR) **(HEAVY DUTY, GALV)**	2
12	141609	HITCH PLATE ASSEMBLY, 400 **(COMPONENTS - SEE PAGE 2-27)**	1
13	145104	COVER, HOSE UPPER, 410 HD **(HEAVY DUTY ONLY)**	2
14	150076	MANUAL HOLDER, 4-1/4 ID	2
15	176069	CHAIN HOLDER,TOP OPEN TOOLBOX	2
16	178444	BUSHING NYLON INSERT 9/16 ID	3
17	186890	SHIELD, HYD CONTROLS	1
17	195384	SHIELD HYD CONTROLS SHORT **(USED WITH HYDRAULIC LANDING LEGS ONLY)**	1
18	189253	PLATE COVER, WEIGH SCALE	1
19	189278	PLUG, PLASTIC PANEL, 1/2 - 9/16	6
20	189279	PLUG, PLASTIC PANEL 5/8	8
21	189280	PLUG, PLASTIC PANEL, 3/4	3
22	189281	PLUG, PLASTIC PANEL, 13/16	3
23	189282	PLUG, PLASTIC PANEL, 7/8	5
24	189326	SUPPORT, E-CHAIN, 22 LINKS, 3838W	1
25	192152	SHIELD BRACE, G/N 400A	1
26	204158	HOLE, PLUG 2-1/4 ID X 3-5/8 OD	2
27	212432	PLACARD, CONTROL PANEL, 400B	1
28	213496	NWB TLBX LID WLDMT **(BEFORE 11/14/2023)** **(NON-WEIGHT BEARING)**	2
28	248104	LID, TOOLBOX, NWB PTD TRL CLR **(AFTER 11/14/2023)** **(NON-WEIGHT BEARING, PAINTED)**	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
28	248105	LID,TOOLBOX,NWB,GALVANIZED **(AFTER 11/14/2023)** **(NON-WEIGHT BEARING, GALV)**	2
29	213500	G/N TOOLBOX BOTTOM PLATE	1
30	213502	EURO TLBX DOOR WLDMT **(WEIGHT BEARING, NOT PAINTED)**	2
30	251351	LID,TOOLBOX,WT BRG,GALVANIZED **(WEIGHT BEARING, GALV)**	2
31	1-298-010001-1	FITTING, GREASE, 1/4-28 STR SHORT	4
32	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	11
33	1-510-010004-03	NUT HX FLANGE, 5/16-18 GR8 **(NON-WEIGHT BEARING, REQ 4 EACH)** **(WEIGHT BEARING, BEFORE 11/14/2023, REQ 4 EACH)** **(WIEGHT BEARING, AFTER 11/14/2023, REQ 6 EACH)**	- -
34	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	18
35	1-512-010005-03	NUT, HEX, SLFLKG, 5/16-18 UNC, GRB	17
36	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 UNC, GRB	4
37	1-512-010007-05	NUT, HEX, 1/4-20 UNC, GR2	10
38	1-630-010021-02	RING, RETAINING 2 HD	2
39	1-647-010004255	ROLL PIN, SLOTTED, 3/8 X 2	2
40	1-654-010047-06	SCREW, HEX, 1/4-20UNX1 GR5	4
41	108610	SCREW BHSC 1/4-20UNCX1	6
42	1-654-010047-09	SCREW,HX CP,1/4-20UNCX1-3/4G5	4
43	1-654-010049-05	SCREW, HX CP, 5/16-18UNC X 1 GR5	8
44	1-654-010051-05	SCREW, HEX, 3/8-16UNCX1 GR5	1
45	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	5
46	1-654-010055-11	SCREW, HEX, 1/2-13UNCX3-1/2 GR5	2
47	1-654-010147-06	SCREW, RNDHD, SLF/TPG #6-20X3/4	8
48	1-654-010158-1	SCREW, RD HD, SQ NCK, 1/4-20X3/4	10
49	1-861-010032-06	WASHER, FLAT, ZP/CD, 1/4N	4
50	1-861-010032-07	WASHER, FLAT, ZP/CD, 1/4W	6
51	1-861-010032-08	WASHER, FLAT, ZP/CD, 5/16N	25
52	1-861-010032-11	WASHER, FLAT, ZP/CD, 3/8W	7
53	1-861-010034-09	WASHER, LKG, HLCL SPR, 1/4	10
54	2-181-010001	CLAMP	3
55	1-822-010001	TRIM 1350 3/8 BLK FINE PEBBLE **(BY THE FOOT)**	16
56	3-557-010469	HINGE PIN, FIFTH WHEEL	1
57	3-642-010134	ROD ROLLER **(27-11/16 INCH, SINGLE WINCH APPLICATIONS)**	1
57	161810	ROD ROLLER **(21-3/4 INCH, DUAL WINCH APPLICATIONS)**	2
58	3-645-010059	ROLLER WELDMENT, CABLE-UPPER DECK **(24 INCH, SINGLE WINCH APPLICATIONS)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
58	187787	ROLLER WELDMENT, HDPU, 18-3/4 **(AFTER 01/19/2015)** **(18-3/4 INCH, 3-3/4 INCH BUSHING, DUAL WINCH APPLICATIONS)**	2
59	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5 **(AFTER 11/14/2023)**	2
60	246214	BRACKET,CYL,TOP LID RETRO-FIT **(AFTER 11/14/2023)**	2
61	CH751	KEY, LATCH 118853 **(INCLUDED WITH ITEM 55, 118853)**	1
61	252677	KEY FOR LATCH 246222 **(INCLUDED WITH ITEM 55, 246222)**	1
62	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	2
63	1-394-010002	HOSE ABRASION SLEEVEX2-7/8	1
64	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	1
65	1-654-010051-09	SCREW,HEX CAP,3/8-16UNCX2 GR5	1
66	3-181-010006	HOSE CLAMP 350	1

Frame Components, Hydraulic & Air

IMPORTANT: When ordering a complete Cylinder Assembly, call and provide the Trailer VIN Number to identify the proper replacement.

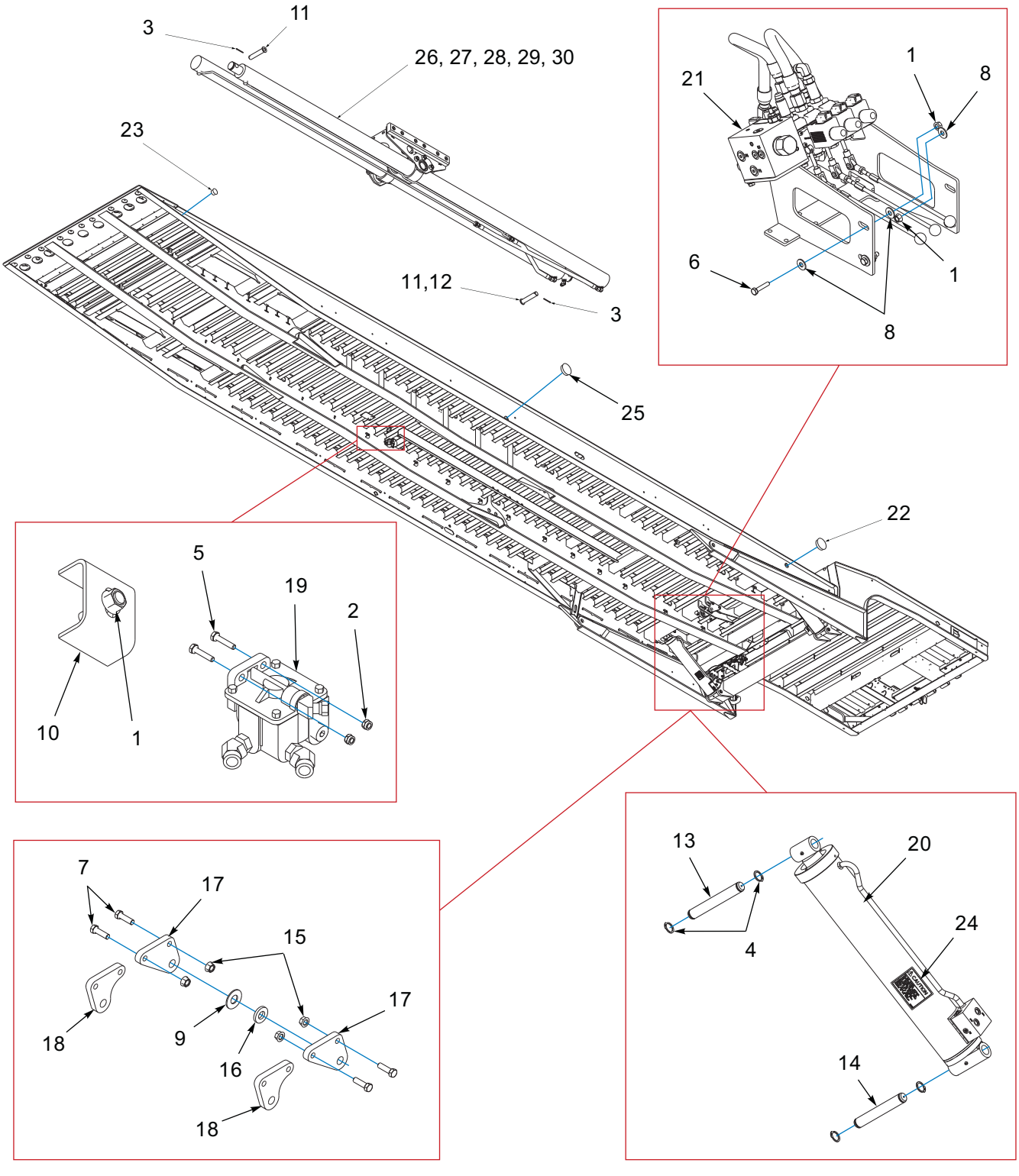


Figure 2-4: Frame Components, Hydraulic & Air

Frame Components, Hydraulic & Air

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212396	HYD ELE AIR 440B-41-102 REMOTE **(HE1)**	- -
	212398	HYD ELE AIR 440B-48-102/108 REMOTE **(HE2)**	- -
	212407	HYD ELE AIR 440B-50-102/108 REMOTE **(HE3)**	- -
	212412	HYD ELE AIR 440B-53-102/108/120 REMOTE **(HE4)**	- -
	214442	HYD ELE AIR 455B-48/50-102/108/120 REMOTE **(HE5)**	- -
	214444	HYD ELE AIR 455B-50/53 102/108 REMOTE **(HE6)**	- -
	215745	HYD ELE AIR 455B-57-102/108 REMOTE **(HE7)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLANGE LOCK **(HE1, REQ 12) (HE2, HE3, HE5, REQ 14) (HE4, REQ 16) (HE6, REQ 17) (HE7, REQ 18)**	- -
2	1-512-010005-01	NUT,HEX,SLFLKG, 1/4-20 UNC,GRB	2
3	1-557-010362-54	PIN, COTTER, 3/16 X 2 1/4	2
4	1-630-010021-01	RING, 1.5 RETAINING HD	8
5	1-654-010027-7	SCREW.HEX, 1/4-20UNCX1-1/4 GR8	2
6	1-654-010051-07	SCREW, HEX, 3/8-16UNCX 1-1 /2 GR5	2
7	1-654-010061-07	SCREW, HEX, 3/ 4-10UNCX2 1 /2 GR5	4
8	1-861-010032-11	WASHER, FLAT, ZP/CD, 3/8W	6
9	1-861-010032-29	WASHER, FLAT, ZP/CD, 1-1/ /4W	1
10	2-181-010001	CLAMP **(HE1, REQ 8) (HE2, HE3, HE5, REQ 10) (HE4, REQ 12) (HE6, REQ 13) (HE7, REQ 14)**	- -
11	3-557-010031	PIN, CYL., UNDERCARRIAGE **(5-3/8) (455B 03/04/2024, REQ 1) (455B AFTER 03/04/2024, REQ 2)**	2
12	3-557-010033	PIN, CYL. BUTT END **(6-5/8) (455B 03/04/2024, WIDE FRONT CYLINDER ANCHOR) (455B AFTER 03/04/2024, NARROW FRONT CYLINDER ANCHOR, USES ITEM 11)**	1
13	3-557-010470-01	PIN, 1-1/2 X 9-1/8 ZP	2
14	3-557-010470-02	PIN, 1-1/2 X 9-13/16 ZP	2
15	103841	NUT,FLG,PREVAILING TR0,3/4-10 UNC	4
16	123150	WASHER CYLINDER PIN 410	1
17	127422	ANCHOR CYLINDER ADJ BOLT-ON **(HE2, HE4, HE5, HE6, HE7)**	2
18	127691	ANCHOR CYL ADJ BOLT-ON 435CA **(HE1, HE3)**	2
19	141607	VALVE ASSY AIR BOOSTER **(AIR SYSTEM - SEE PAGE 8-115)**	1
20	186807	CYLINDER, 6IN. X 41IN. X 30IN. STROKE,CB **(SEE PAGE 11-31)**	2
21	186886	VALVE ASSY,3 SPL,35GPM,SOLENOID **(HYDRAULICS - SEE PAGE 11-1)**	1
22	189276	PLUG, PLASTIC PANEL 2-1 /2	2
23	189280	PLUG, PLASTIC PANEL 3/ 4	1
24	193455	DECAL CAUTION CNTR BLNCE VALVE	2
25	204158	HOLE PLUG 2-1 /4" ID X 3-5/8" OD	2
26	189258	CYL ASSY U/C 440A-50CA **(HE3) (SEE PAGE 11-21) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
27	189259	CYL ASSY U/C 440A-53 **(HE4, HE7) (SEE PAGE 11-21) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
28	189261	CYL ASSY U/C 440A-48/455A-50CA **(HE2, HE5, HE6) (SEE PAGE 11-21) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
29	189262	CYL ASSY U/C 440A-41 **(HE1) (SEE PAGE 11-21) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
30	189267	CYL ASSEMBLY U/C 455-48/50CA **(HE5) (SEE PAGE 11-21) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1

Bumper, Rear

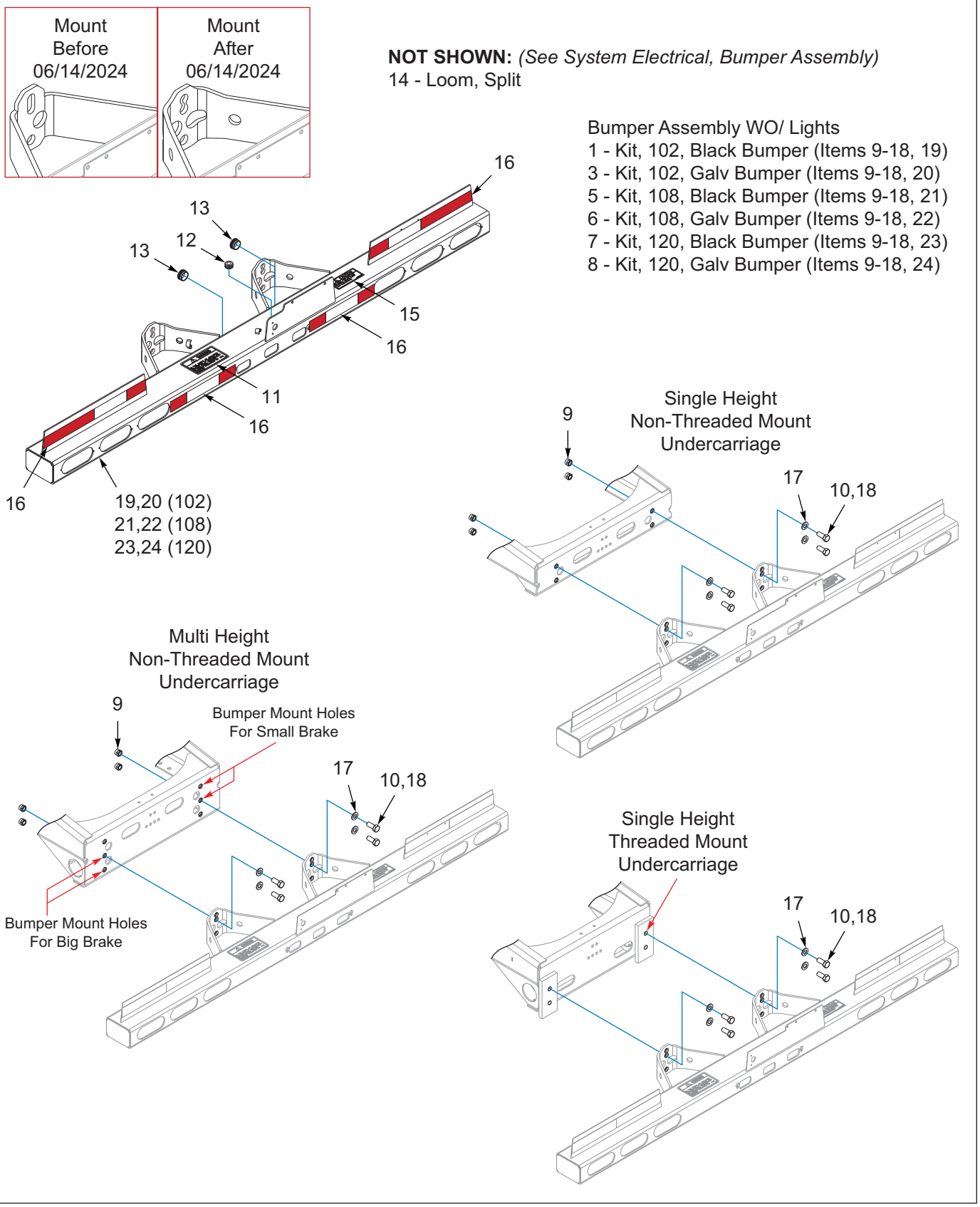
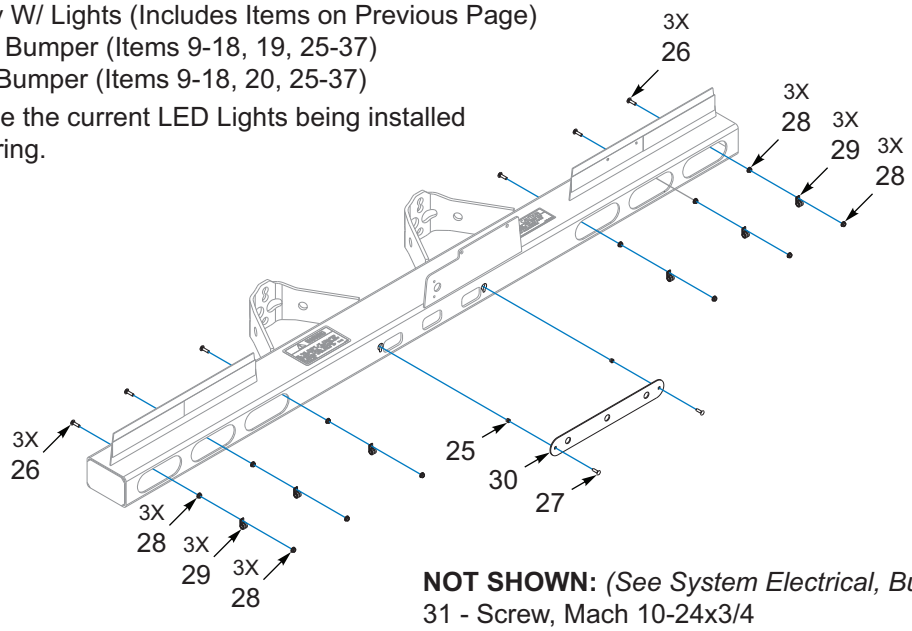


Figure 2-5: Bumper, Rear (1 of 2)

Bumper Assembly W/ Lights (Includes Items on Previous Page)
2 - Kit, 102, Black Bumper (Items 9-18, 19, 25-37)
4 - Kit, 102, Galv Bumper (Items 9-18, 20, 25-37)
NOTE: Kits include the current LED Lights being installed during manufacturing.



NOT SHOWN: *(See System Electrical, Bumper Assembly).*
31 - Screw, Mach 10-24x3/4
32 - Grommet, Oval, (Black PVC)
33 - Harness, Bumper
34 - Light Assemby, License
35 - Nut, Flange, 10-2
36 - Light, S/T/T
37 - Light, Marker, Red

Figure 2-6: Bumper, Rear (2 of 2)

Bumper, Rear

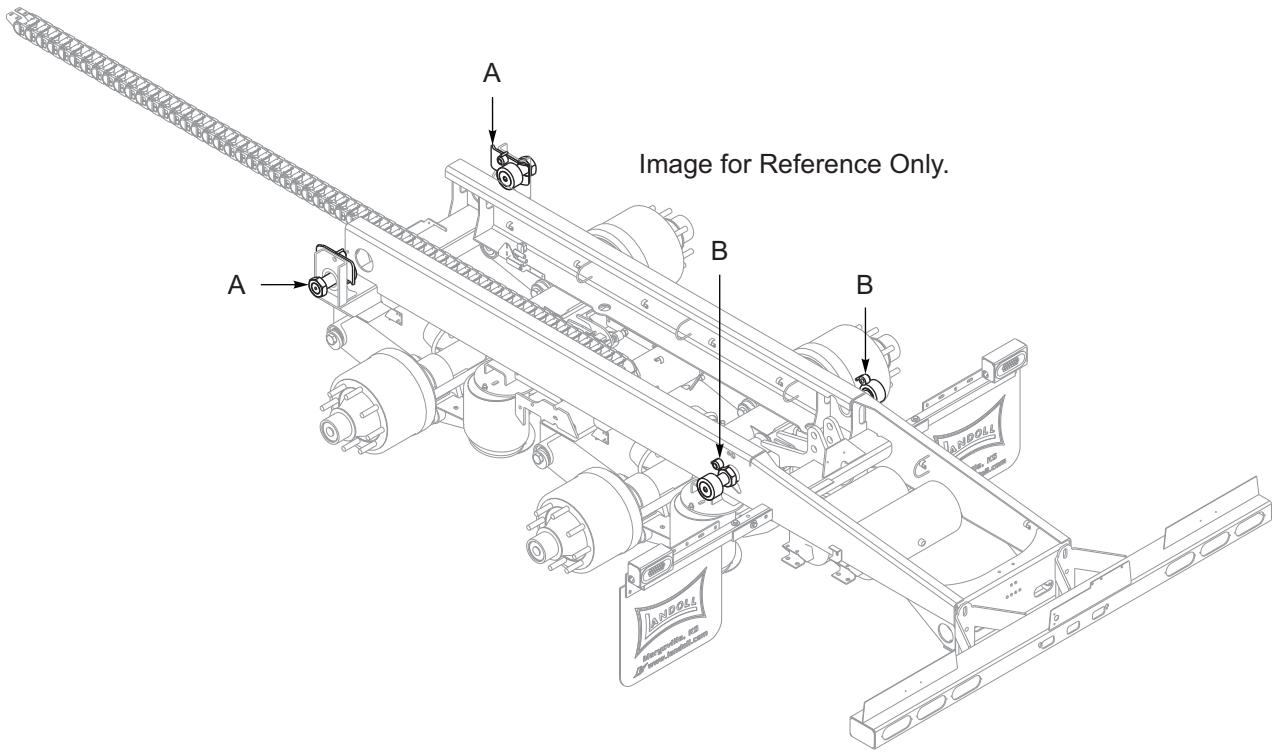
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	119580FI	BUMPER (REPL)102 WIDE U/C BLK **(102 BLACK BUMPER ASSEMBLY, WO/ LIGHTS) (KIT INCLUDES ITEMS 9-18, 19)**	- -
2	119580WL	BUMPER (REPL) 102 BLK W/LIGHTS **(102 BLACK BUMPER ASSEMBLY, W/ LIGHTS) (KIT INCLUDES ITEMS 9-18, 19, 25-37)**	- -
3	204955FI	BUMPER (REPL)102 WIDE U/C GALV **(102 GALV BUMPER ASSEMBLY, WO/ LIGHTS) (KIT INCLUDES ITEMS 9-18, 20)**	- -
4	204955WL	BUMPER (REPL)102 GALV W/LIGHTS **(102 GALV BUMPER ASSEMBLY, W/ LIGHTS) (KIT INCLUDES ITEMS 9-18, 20, 25-37)**	- -
5	121369FI	BUMPER (REPL)108 WIDE U/C BLK **(108 BLACK BUMPER ASSEMBLY, WO/ LIGHTS) (KIT INCLUDES ITEMS 9-18, 21)**	- -
6	205812FI	BUMPER (REPL)108 WIDE U/C GALV **(108 GALV BUMPER ASSEMBLY, WO/ LIGHTS) (KIT INCLUDES ITEMS 9-18, 22)**	- -
7	133777FI	BUMPER (REPL)120 WIDE U/C BLK **(1208 BLACK BUMPER ASSEMBLY, WO/ LIGHTS) (KIT INCLUDES ITEMS 9-18, 23)**	- -
8	205814FI	BUMPER (REPL)120 WIDE U/C GALV **(1208 BLACK BUMPER ASSEMBLY, WO/ LIGHTS) (KIT INCLUDES ITEMS 9-18, 24)**	- -
9	1-512-010002-15	NUT,HEX SLFLKG 3/4-10 GRC **(INCLUDED WITH ITEMS 1-8)**	4
10	1-654-010032-4	SCREW 3/4-10X1-3/4 HX CP ZPG8 **(INCLUDED WITH ITEMS 1-8)**	4
11	103056	DECAL, ENERGY BUMPER WARNING **(INCLUDED WITH ITEMS 1-8)**	1
12	237-2308-004	GROMMET 5/8ID **(INCLUDED WITH ITEMS 1-8)**	1

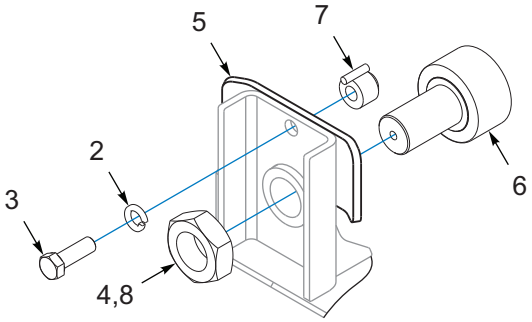
ITEM	PART NUMBER	DESCRIPTION	QTY.
13	203248	PLUG,PLASTIC PANEL 1-1/2 **(INCLUDED WITH ITEMS 1-8) (102, 108, REQ 2) (120, REQ 3)**	- -
14	254541	LOOM SPLIT 1/4" ID **(BY THE FOOT) (INCLUDED WITH ITEMS 1-8) (ELECTRICAL - SEE PAGE 9-7)**	1
15	3-573-010031	DECAL TRAILER BUMPER **(INCLUDED WITH ITEMS 1-8)**	1
16	3-573-010377	DECAL,2"REFLEXITE TAPE,RD/WHT **(BY THE INCH) (INCLUDED WITH ITEMS 1-8)**	84
17	622-3511-008	WASHER, FLAT 3/4 MIL-CARB SAE **(INCLUDED WITH ITEMS 1-8)**	4
18	#242 LOCKTITE	LOCTITE 242 BLUE REMOVABLE **(BY THE BOTTLE) (INCLUDED WITH ITEMS 1-8)**	1
19	- - - - -	BUMPER WLDMT, 102 BLACK **(NOT SOLD SEPARATLY) (INCLUDED WITH ITEMS 1-2) (INCL. ENERGY CERT PLACARD)**	1
20	- - - - -	BUMPER WLDMT, 102 GALV **(NOT SOLD SEPARATLY) (INCLUDED WITH ITEMS 3-4) (INCL. ENERGY CERT PLACARD)**	1
21	- - - - -	BUMPER WLDMT, 108 BLACK **(NOT SOLD SEPARATLY) (INCLUDED WITH ITEM 5) (INCL. ENERGY CERT PLACARD)**	1
22	- - - - -	BUMPER WLDMT, 108 GALV **(NOT SOLD SEPARATLY) (INCLUDED WITH ITEM 6) (INCL. ENERGY CERT PLACARD)**	1
23	- - - - -	BUMPER WLDMT, 120 BLACK **(NOT SOLD SEPARATLY) (INCLUDED WITH ITEM 7) (INCL. ENERGY CERT PLACARD)**	1
24	- - - - -	BUMPER WLDMT, 120 GALV **(NOT SOLD SEPARATLY) (INCLUDED WITH ITEM 8) (INCL. ENERGY CERT PLACARD)**	1
25	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(INCLUDED WITH ITEMS 2, 4)**	2
26	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1 **(INCLUDED WITH ITEMS 2, 4)**	6
27	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4 **(INCLUDED WITH ITEMS 2, 4)**	2
28	108417	NUT SPIRAL 1/4-20HX FG **(INCLUDED WITH ITEMS 2, 4)**	12
29	125894	CLAMP, CABLE 5/8 SST **(INCLUDED WITH ITEMS 2, 4)**	6
30	179906	PLATE MTG MICRO ID LIGHTS **(INCLUDED WITH ITEMS 2, 4)**	1
31	1-656-010003051	SCREW,RH HD MACH 10-24X3/4 **(INCLUDED WITH ITEMS 2, 4) (ELECTRICAL - SEE PAGE 9-7)**	2
32	143114	GROMMET OVAL GROTE **(BLACK PVC) (INCLUDED WITH ITEMS 2, 4) (ELECTRICAL - SEE PAGE 9-7)**	6
33	187859	HARNESS BUMPER MICRONOVA GROTE **(INCLUDED WITH ITEMS 2, 4) (ELECTRICAL - SEE PAGE 9-7)**	1
34	187860	LIGHT ASSY LICENSE LED GROTE **(INCLUDED WITH ITEMS 2, 4) (ELECTRICAL - SEE PAGE 9-7)**	1
35	212074	NUT 10-24 FLANGE HD SERRATED **(INCLUDED WITH ITEMS 2, 4) (ELECTRICAL - SEE PAGE 9-7)**	2
36	213295	LIGHT CLEAR LENS S/T/T **(INCLUDED WITH ITEMS 2, 4) (ELECTRICAL - SEE PAGE 9-7)**	6
37	213298	LIGHT RED CLEAR LENS MKR **(INCLUDED WITH ITEMS 2, 4) (ELECTRICAL - SEE PAGE 9-7)**	3

Table provided for general use.

NOTES:

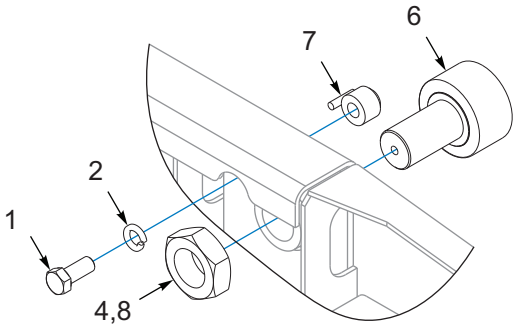
Cam Followers, Hold Downs, 2 Axle





Front Cam Follower
Streetside View

A



Rear Cam Follower
Curbside View

B

Figure 2-7: Cam Followers, Hold Downs, 2 Axle

Cam Followers, Hold Downs, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-654-010032-4	SCREW 3/4-10X1-3/4 HX CP ZPG8	2
2	1-861-010034-17	WASHER,LKG,HLCL SPR,3/4	4
3	100941	SCREW,HEXCAP,3/4-10X2-1/4G8ZP	2
4	104034	NUT, HEX 2-12UN, GRB, ZP	4
5	140829	PLATE WEAR 435 U/C	2
6	3-076-010005	CAM FOLLOWER 4 IN DIA	4
7	3-762-010016	HOLD DOWN UNDERCARRIAGE WLDM	4
8	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE **(BY THE BOTTLE)**	1

Cam Followers, Rear Roller, Slides, 2 Axle Spread (Option)

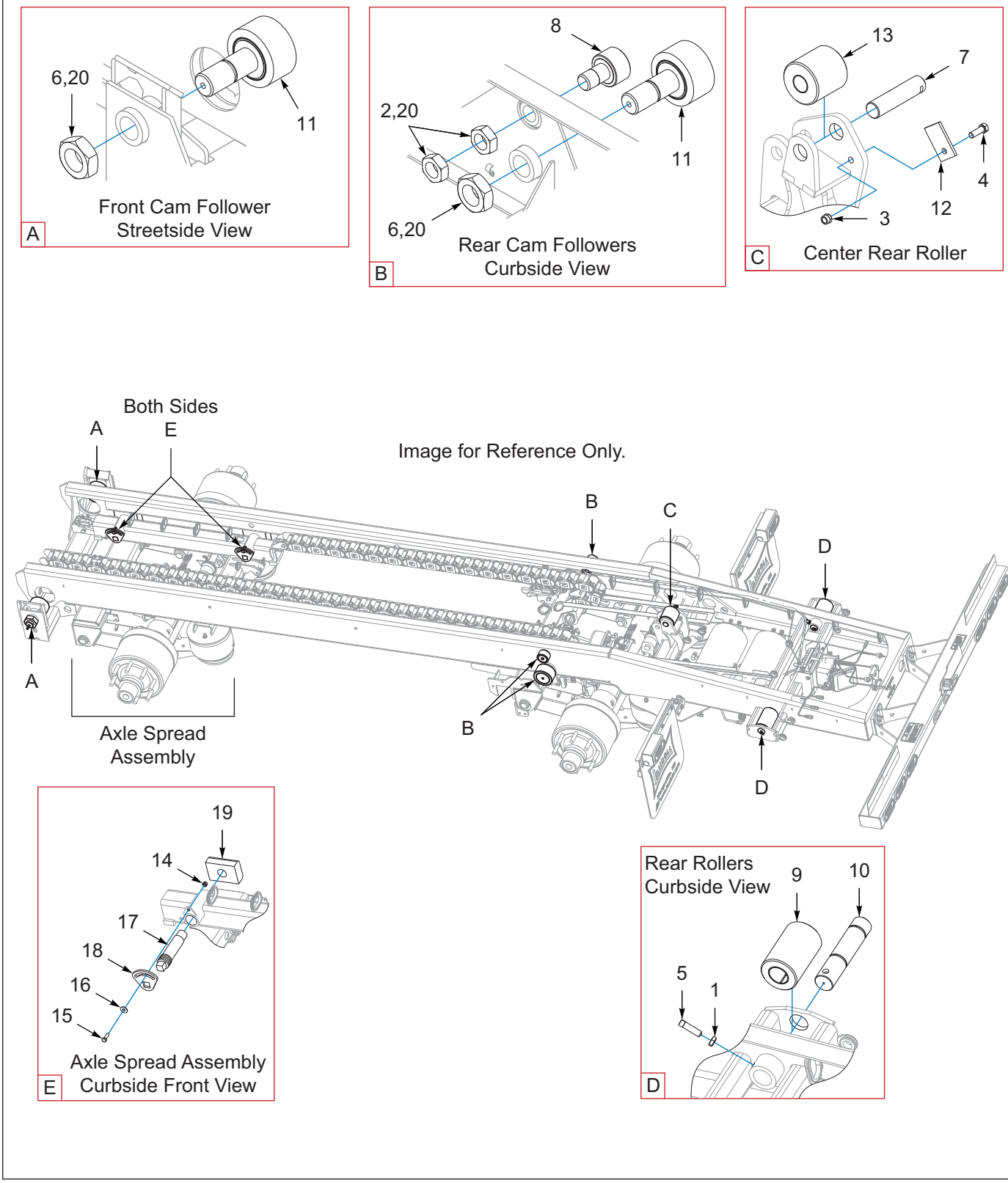


Figure 2-8: Cam Followers, Rear Roller, Slides, 2 Axle Spread (Option)

Cam Followers, Rear Roller, Slides, 2 Axle Spread (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252523	SUSP 440 SLDR 50-121 HLDX **(DRUM)**	- -
	252553	SUSP 440 SLDR 50-121 DSC **(DISC)**	- -
1	1-511-010001-07	NUT, HEX JAM 5/8-11	2
2	1-511-010001-14	NUT, HEX JAM 1-1/2-12	4
3	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	1
4	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	1
5	1-654-010150-05	SCREW,SET,5/8X2 SQ HD CP PNT	2
6	104034	NUT, HEX 2-12UN, GRB, ZP	4
7	121686	PIN 1-1/2X6-1/4	1
8	145532	CAM FOLLOWER, 3 IN SEALED	2
9	182066	ROLLER ASSY 4 X 6	2
10	182068	PIN REAR ROLLER 440 SLIDER	2
11	3-076-010015	5IN DIA CAM FOLLOWER	4
12	3-187-010013	CLIP, PIN RETAINER	1
13	3-645-010084	ROLLER ASSY,REAR U/C 660FG	1
14	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
15	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
16	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
17	126976	PIN, SUPPORT U/C NYLATRON	4
18	126982	STOP, PIN ROTATION U/C	4
19	252546	BLOCK,NYLATRON SLIDE,PIVOTING	4
20	#242 LOCKTITE	LOCTITE 242 BLUE REMOVABLE **(BT THE BOTTLE)**	1

Cam Followers, Rear Roller, Slide Bumpers, 3 Axle

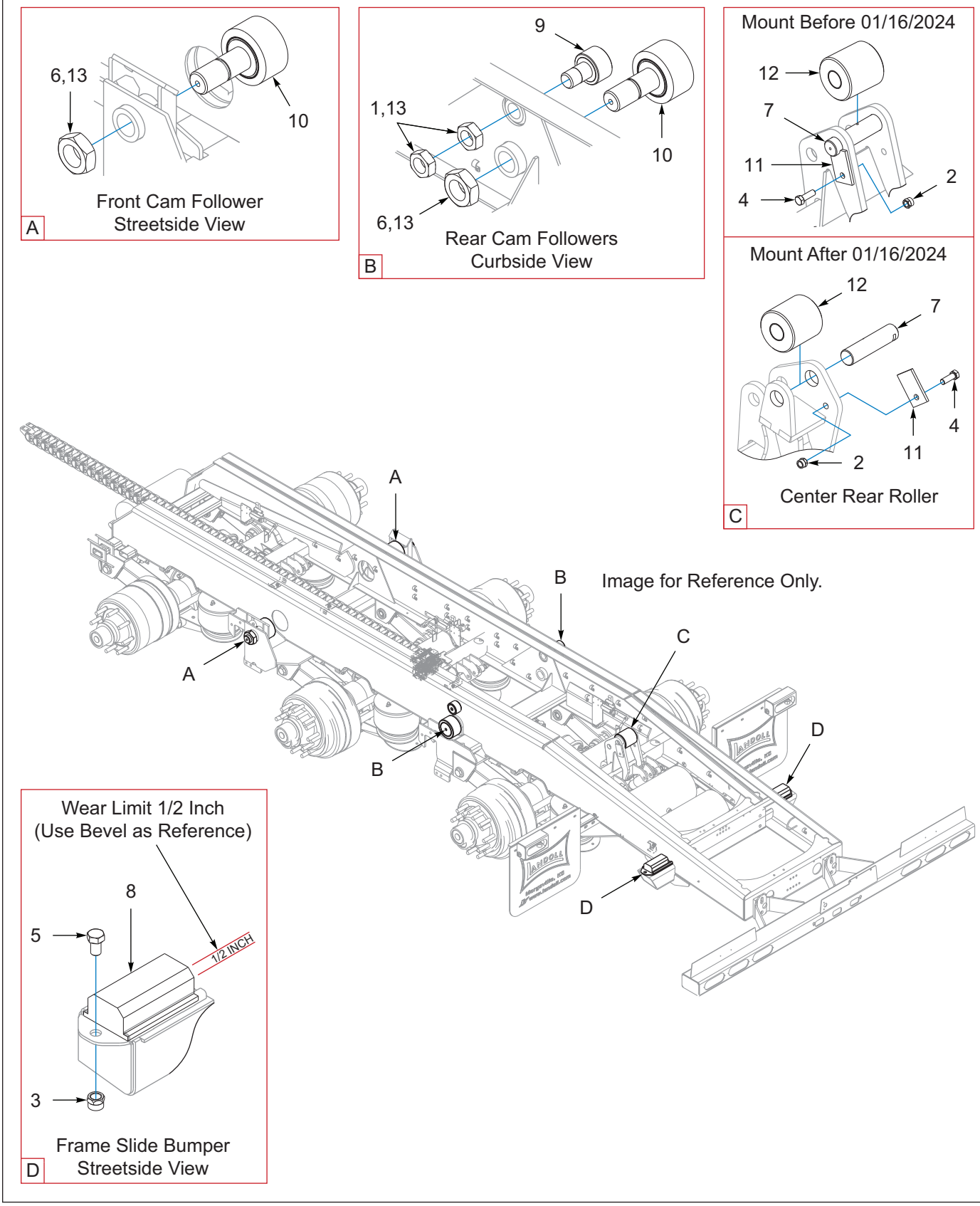


Figure 2-9: Cam Follower, Rear Roller, Slide Bumpers, 3 Axle

Cam Followers, Rear Roller, Slide Bumpers, 3 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-511-010001-14	NUT, HEX JAM 1-1/2-12	4
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	1
3	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	2
4	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	1
5	1-654-010059-01	SCREW,HX CP,5/8-11UNCX1 GR5	2
6	104034	NUT, HEX 2-12UN, GRB, ZP	4
7	121686	PIN 1-1/2X6-1/4	1
8	142565	PLATE, RUB-BUMPER 2"	2
9	145532	CAM FOLLOWER, 3 IN SEALED	2
10	3-076-010015	5IN DIA CAM FOLLOWER	4
11	3-187-010013	CLIP, PIN RETAINER	1
12	3-645-010084	ROLLER ASSY,REAR U/C 660FG **(INCLUDES 2 BUSHINGS)**	1
13	#242LOCKTITE	LOCKTITE 242 BLUE REMOVABLE **(BY THE BOTTLE)**	1

Cover, Winch Mount, Upper Deck

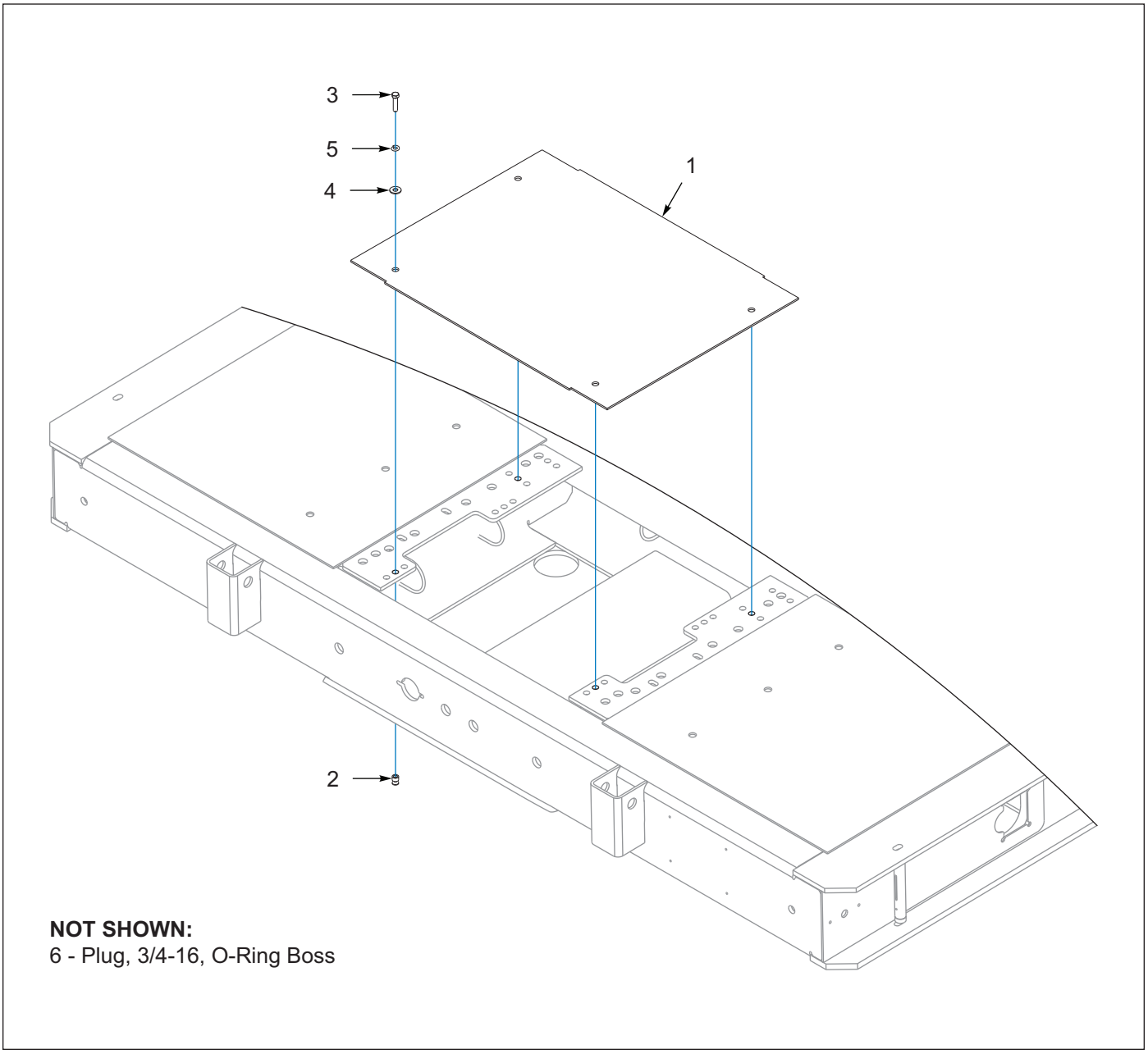


Figure 2-10: Cover, Winch Mount, Upper Deck

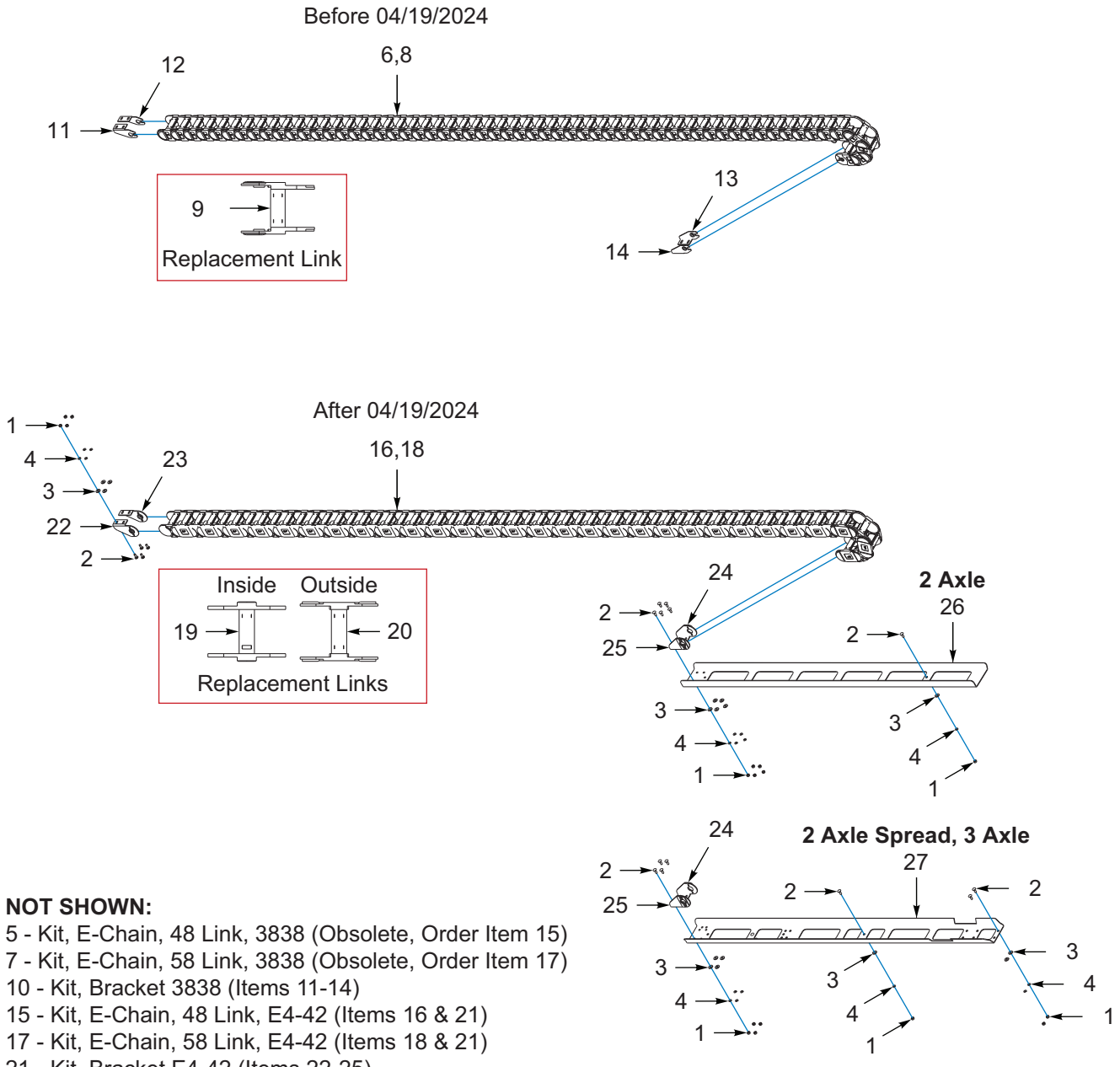
Cover, Winch Mount, Upper Deck

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
6	1-007-010025	PLUG, 3/4-16 O-RING BOSS **(USED TO PLUG WINCH PORTS ON HYDRAULIC VALVE)**	2

Table provided for general use.

NOTES:

E-Chain & E-Chain Tray, Undercarriage



NOT SHOWN:
5 - Kit, E-Chain, 48 Link, 3838 (Obsolete, Order Item 15)
7 - Kit, E-Chain, 58 Link, 3838 (Obsolete, Order Item 17)
10 - Kit, Bracket 3838 (Items 11-14)
15 - Kit, E-Chain, 48 Link, E4-42 (Items 16 & 21)
17 - Kit, E-Chain, 58 Link, E4-42 (Items 18 & 21)
21 - Kit, Bracket E4-42 (Items 22-25)

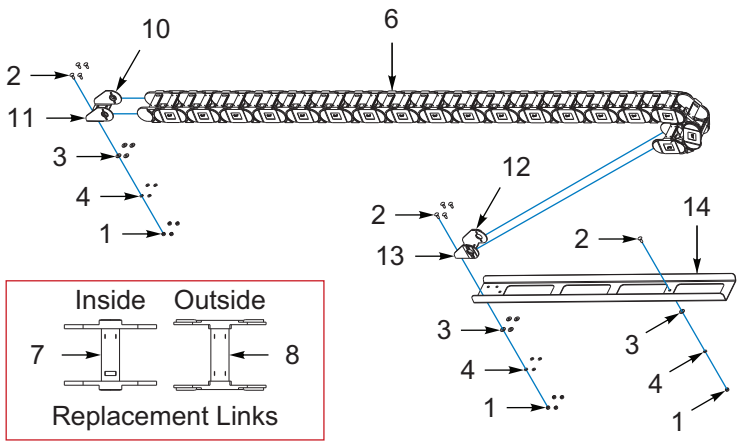
Figure 2-11: E-Chain & E-Chan Tray, Undercarriage

E-Chain & E-Chain Tray, Undercarriage

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP **(2 AXLE REQ 10) (3 AXLE REQ 11)**	- -
2	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4 **(2 AXLE REQ 10) (3 AXLE 455 REQ 11)**	- -
3	1-861-010032-07	WASHER,FLAT 1/4 ZP **(2 AXLE REQ 10) (3 AXLE REQ 11)**	- -
4	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4 **(2 AXLE REQ 10) (3 AXLE REQ 11)**	- -
5	189382	FI KIT,E-CHAIN,48 LNK W/BRKT **(OBSOLETE - ORDER ITEM 15)**	- -
6	189314	SUPPORT, E-CHAIN,48 LINKS,3838 **(OBSOLETE - ORDER ITEM 15)**	- -
7	189383	FI KIT,E-CHAIN,58 LNK W/BRKTS **(OBSOLETE - ORDER ITEM 17)**	- -
8	189318	SUPPORT, E-CHAIN,58 LINKS,3838 **(OBSOLETE - ORDER ITEM 17)**	- -
9	189313	LINK, E-CHAIN, MODEL 3838 **(BEFORE 04/19/2024) (INCLUDES 2 CROSSBARS & 2 END PLATES)**	1
10	197586	BRACKET KIT (4) 3838 E-CHAIN **(BEFORE 04/19/2024) (KIT INCLUDES ITEMS 11-14)**	1
11	190700ZP	ZINC PLATE BRACKET E-CHAIN LH **(BEFORE 04/19/2024) (INCLUDED WITH ITEM 10)**	1
12	190705ZP	ZINC PLATE BRACKET E-CHAIN RH **(BEFORE 04/19/2024) (INCLUDED WITH ITEM 10)**	1
13	190701	BRACKET WLDMT E-CHAIN LH **(BEFORE 04/19/2024) (INCLUDED WITH ITEM 10)**	1
14	190706	BRACKET WLDMT E-CHAIN RH **(BEFORE (BEFORE 04/19/2024) (INCLUDED WITH ITEM 10)**	1
15	249147	E-CHAIN, E4-42, 48LNK FI KIT **(AFTER 04/19/2024) (KIT INCLUDES ITEMS 16 & 21)**	1
16	249134	E-CHAIN, E4-42, 48LNK **(AFTER 04/19/2024) (INCLUDED WITH ITEM 15)**	1
17	249148	E-CHAIN, E4-42, 58LNK FI KIT **(AFTER 04/19/2024) (KIT INCLUDES ITEMS 18 & 21)**	1
18	249135	E-CHAIN, E4-42, 58LNK **(AFTER 04/19/2024) (INCLUDED WITH ITEM 17)**	1
19	249139	REPL LINK, E4-42, INSIDE **(AFTER 04/19/2024) (INCLUDES 2 CROSSBARS & 2 END PLATES)**	1
20	249141	REPL LINK, E4-42, OUTSIDE **(AFTER 04/19/2024) (INCLUDES 2 CROSSBARS & 2 END PLATES)**	1
21	249142	E4-42 BRACKET KIT FI **(AFTER 04/19/2024) (KIT INCLUDES ITEMS 22-25) (INCLUDED WITH ITEM 15-17)**	1
22	245969	ECHAIN BKT RH PVT WLD **(AFTER 04/19/2024) (INCLUDED WITH ITEM 22)**	1
23	245965	ECHAIN BKT LH PVT WLD **(AFTER 04/19/2024) (INCLUDED WITH ITEM 22)**	1
24	245968	ECHAIN BKT RH HLD WLD **(AFTER 04/19/2024) (INCLUDED WITH ITEM 22)**	1
25	245963	ECHAIN BKT LH HLD WLD **(AFTER 04/19/2024) (INCLUDED WITH ITEM 22)**	1
26	118897	TRAY E-CHAIN 425 **(2 AXLE)**	1
27	3-821-010005	TRAY, CAT-TRACK **(2 AXLE SPREAD, 3 AXLE)**	1

E-Chain & E-Chain Tray, Undercarriage, 2 Axle Spread Assembly (Option)

NOTE:
This if for the Spread Axle Assembly Only.
For Undercarriage E-Chain, See E-Chain & E-Chain Tray, Undercarriage.



NOT SHOWN:
5 - Kit, E-Chain, 36 Link, E4-42 (Items 6 & 9)
9 - Kit, Bracket E4-42 (Items 10-13)

Figure 2-12: E-Chain & E-Chan Tray, Undercarriage, 2 Axle Spread Assembly (Option)

E-Chain & E-Chain Tray, Undercarriage, 2 Axle Spread Assembly (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	9
2	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4	9
3	1-861-010032-07	WASHER,FLAT 1/4 ZP	9
4	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	9
5	249146	E-CHAIN, E4-42, 36LNK FI KIT **(KIT INCLUDES ITEMS 6 & 9)**	1
6	249133	E-CHAIN, E4-42, 36LNK **(INCLUDED WITH ITEM 5)**	1
7	249139	REPL LINK, E4-42, INSIDE **(AFTER 04/19/2024)** **(INCLUDES 2 CROSSBARS & 2 END PLATES)**	1
8	249141	REPL LINK, E4-42, OUTSIDE **(AFTER 04/19/2024)** **(INCLUDES 2 CROSSBARS & 2 END PLATES)**	1
9	249142	E4-42 BRACKET KIT FI **(AFTER 04/19/2024)** **(KIT INCLUDES ITEMS 10-13) (INCLUDED WITH ITEM 5)**	1
10	245969	ECHAIN BKT RH PVT WLD **(AFTER 04/19/2024)** **(INCLUDED WITH ITEM 9)**	1
11	245965	ECHAIN BKT LH PVT WLD **(AFTER 04/19/2024)** **(INCLUDED WITH ITEM 9)**	1
12	245968	ECHAIN BKT RH HLD WLD **(AFTER 04/19/2024)** **(INCLUDED WITH ITEM 9)**	1
13	245963	ECHAIN BKT LH HLD WLD **(AFTER 04/19/2024)** **(INCLUDED WITH ITEM 9)**	1
14	187806	**TRAY E-CHAIN 440**	1

Extension, Front Flip, Upper Deck (Options)

LOAD CAPACITY:
Single Extension: 3,000 LBS (1360 KG)
Dual Extensions: 6,000 LBS (2721 KG)

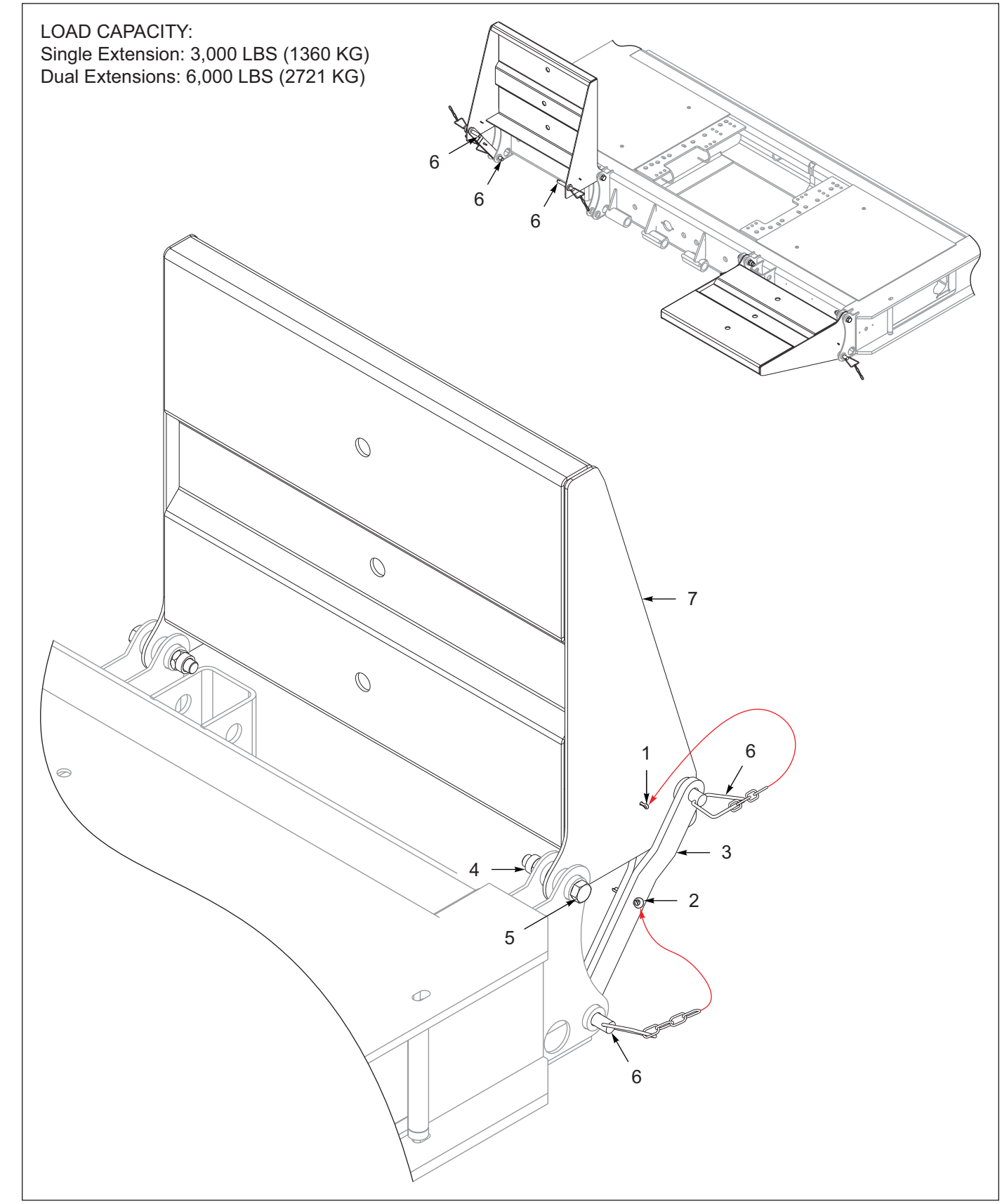


Figure 2-13: Extension, Front Flip, Upper Deck (Options)

Extension, Front Flip, Upper Deck (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	130538	FRONT FLIP EXTENSION, 400-102 **(USED WITH WEIGHT BEARING TOOLBOX ONLY)**	- -
	174253	FRONT FLIP EXTENSION, 400-108 **(USED WITH WEIGHT BEARING TOOLBOX ONLY)**	- -
	194164	FRONT FLIP EXTENSION, 400-120 **(USED WITH WEIGHT BEARING TOOLBOX ONLY)**	- -
1	101386	PIN, COTTER, 1/8X1 **(CHAIN HOLDER)**	4
2	119084	PIN,COTTER 1/4X1-1/4 ZP **(CHAIN HOLDER) (ADDED 09/02/2020)**	2
3	185036	STRAP WLDMT FLIP EXT SUPPORT **(ADDED 09/02/2020)**	2
4	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	4
5	1-654-010059-11	SCREW,HX CP 5/8-11UNCX3.5GR5	4
6	2-557-010426	PIN,DETENT 5/8 DIA W/CHAIN **(INCLUDES 248260 PIN AND 248262 12" CHAIN)** **(BEFORE 09/02/2020, REQ 2, 1 PER EXTENSION)**	6
7	246219	EXTENSION 130540 PTD TRL COLOR **(102" WIDE)**	2
7	202714	GALV OF130540 EXT WLDM FT FLIP **(102" WIDE)**	2
7	246220	EXTENSION 174254 PTD TRL COLOR **(108" WIDE)**	2
7	202715	GALV OF174254 EXT WLDM FT FLIP **(108" WIDE)**	2
7	246221	EXTENSION 194162 PTD TRL COLOR **(120" WIDE)**	2
7	202716	GALV OF194162 EXT WLDM FT FLIP **(120" WIDE)**	2

Hitch Plate Assembly

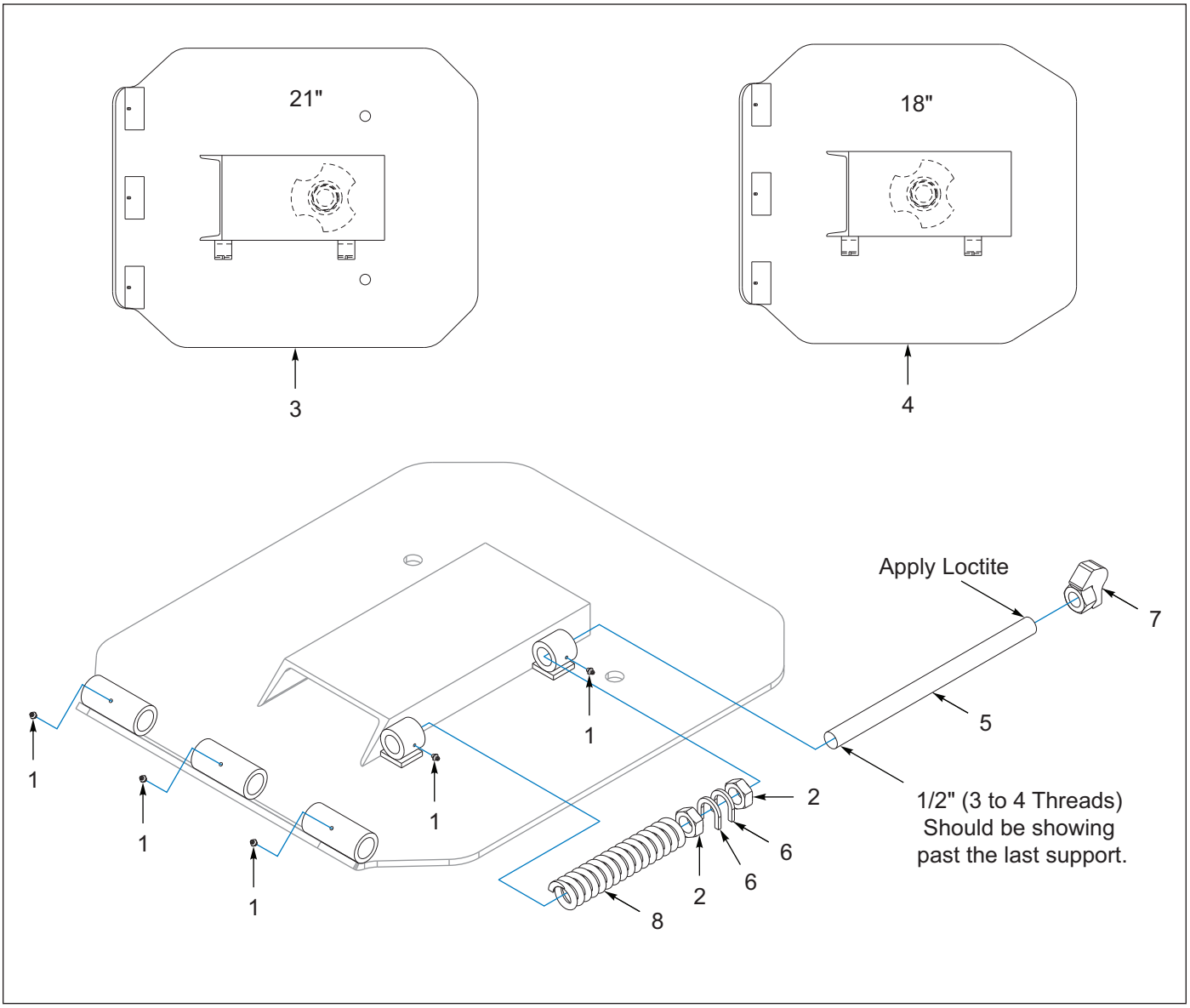


Figure 2-14: Hitch Plate Assembly

Hitch Plate Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	141609	HITCH PLATE ASSY 400 **(INSTALLATION - SEE PAGE 2-1)**	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE	5
2	100823	NUT,HEX JAM,1-1/4-7 GR2	2
3	116822	HITCH PLATE 410 **(21")**	1
4	131105	HITCH,PLATE 18KP 400 SERIES **(18")**	1
5	117556	LATCH ROD 410 G/N	1
6	117562	SHIM, HITCH 410 G/N	2
7	118889	CAM WLDMT FIFTH WHEEL LATCH	1
8	2-720-010002	SPRING-CLAMP OUTER	1
9	- - - - -	LOCKTITE 242 BLUE REMOVABLE **(#242 LOCKTITE 50ML BOTTLE)**	- -

Table provided for general use.

NOTES:

Hose Clamps, Clips, No Grommets, 2 Axle (Before 09/01/2024)

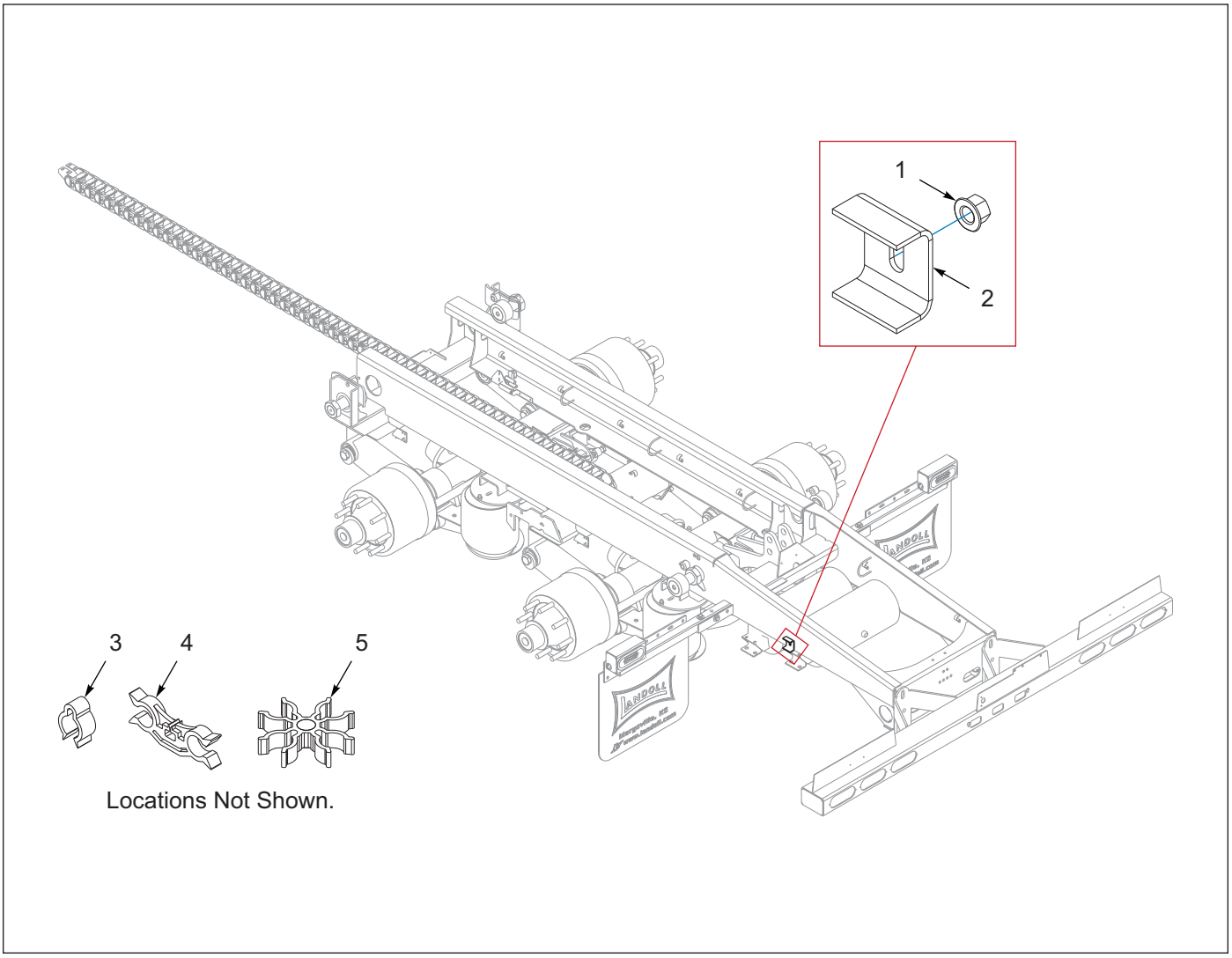


Figure 2-15: Hose Clamps, Clips, No Grommets, 2 Axle (Before 09/01/2024)

Hose Clamps, Clips, No Grommets, 2 Axle (Before 09/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	218109	SUSP 440B 102 SB DSC	- -
	214413	SUSP 440B 102 2512-70.5 GROTE	- -
	218113	SUSP 440B 108 BB DSC	- -
	214417	SUSP 440B108 2516-75	- -
	217167	SUSP 440B 120 SB	- -
	217991	SUSP 440B 120 BB	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	1
2	2-181-010001	HOSE CLAMP	1
3	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE **(QTY VARIES ON LENGTH / WIDTH)**	1
4	239148	CLIP,3/8 AIR HOSE SEPERATOR **(QTY VARIES ON LENGTH / WIDTH)**	1
5	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS **(QTY VARIES ON LENGTH / WIDTH)**	1

Hose Clamps, Clips, Grommets, 2 Axle (After 09/01/2024)

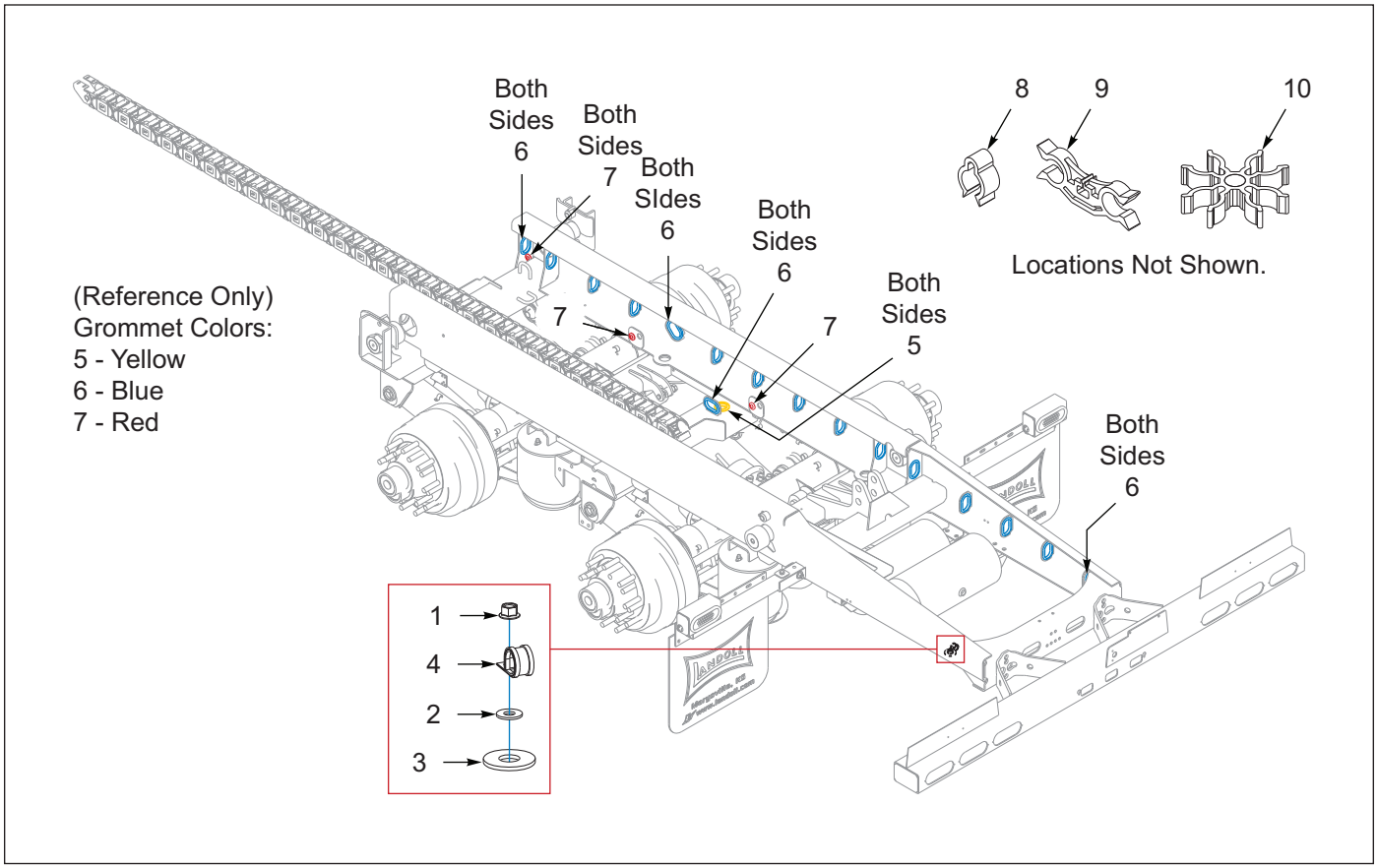


Figure 2-16: Hose Clamps, Clips, Grommets, 2 Axle (After 09/01/2024)

Hose Clamps, Clips, Grommets, 2 Axle (After 09/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	249027	SUSP 440B 102 SB HLDX **(102 / 108 DRUM BRAKE MODELS)**	- -
	249036	SUSP 440B 120 BB HLDX **(120 DRUM BRAKE MODELS)**	- -
	249039	SUSP 440B 102 SB DSC HLDX **(102 / 108 DISC BRAKE MODELS)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	1
2	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	1
3	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	1
4	194371	CLAMP CABLE 1 IN 3/4 WIDE	1
5	234682	GROMMET, HOLE 1-3/4IN-1/4T	2
6	234683	GROMMET, HOLE 2-1/2IN-1/4T **(102, 108, 120, REQ 28) (102-CA, 108-CA, REQ 32)**	- -
7	237-2308-004	GROMMET 5/8ID	4
8	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE **(QTY VARIES ON LENGTH / WIDTH)**	1
9	239148	CLIP,3/8 AIR HOSE SEPERATOR **(QTY VARIES ON LENGTH / WIDTH)**	1
10	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS **(QTY VARIES ON LENGTH / WIDTH)**	1

Hose Clamps, Clips, Grommets, 2 Axle Spread (Option)

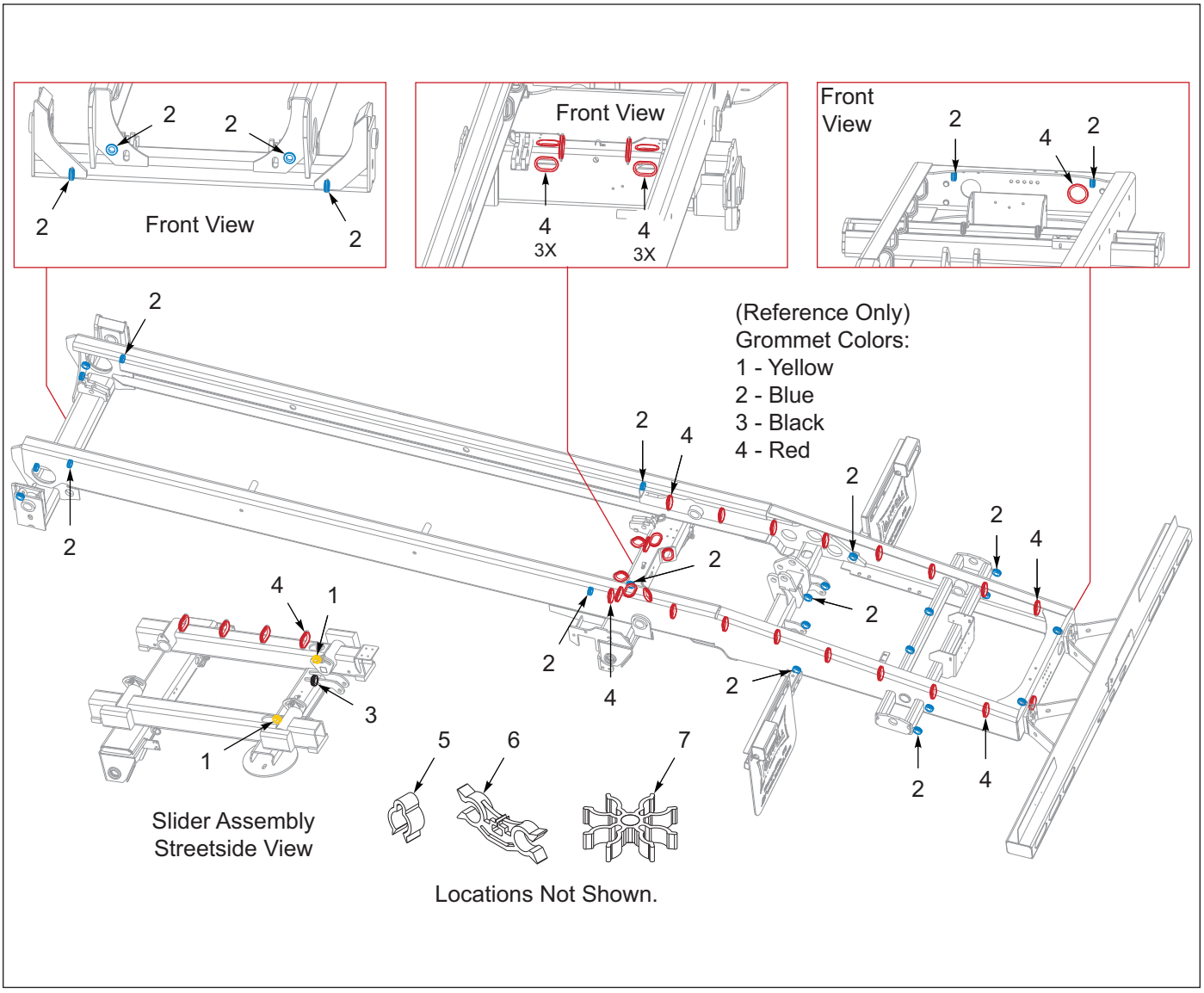


Figure 2-17: Hose Clamps, Clips, Grommets, 2 Axle Slider (Option)

Hose Clamps, Clips, Grommets, 2 Axle Slider (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252523	SUSP 440 SLDR 50-121 HLDX **(DRUM)**	- -
	252553	SUSP 440 SLDR 50-121 DSC **(DISC)**	- -
1	1-343-010006	GROMMET	2
2	1-343-010007	GROMMET	22
3	237-2308-012	GROMMET, 1.125 ID	1
4	234683	GROMMET, HOLE 2-1/2IN-1/4T	29
5	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE **(QTY VARIES ON LENGTH / WIDTH)**	1
6	239148	CLIP,3/8 AIR HOSE SEPERATOR **(QTY VARIES ON LENGTH / WIDTH)**	1
7	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS **(QTY VARIES ON LENGTH / WIDTH)**	1

Table provided for general use.

NOTES:

Hose Clamps, Clips, No Grommets, 3 Axle (Before 03/10/2023)

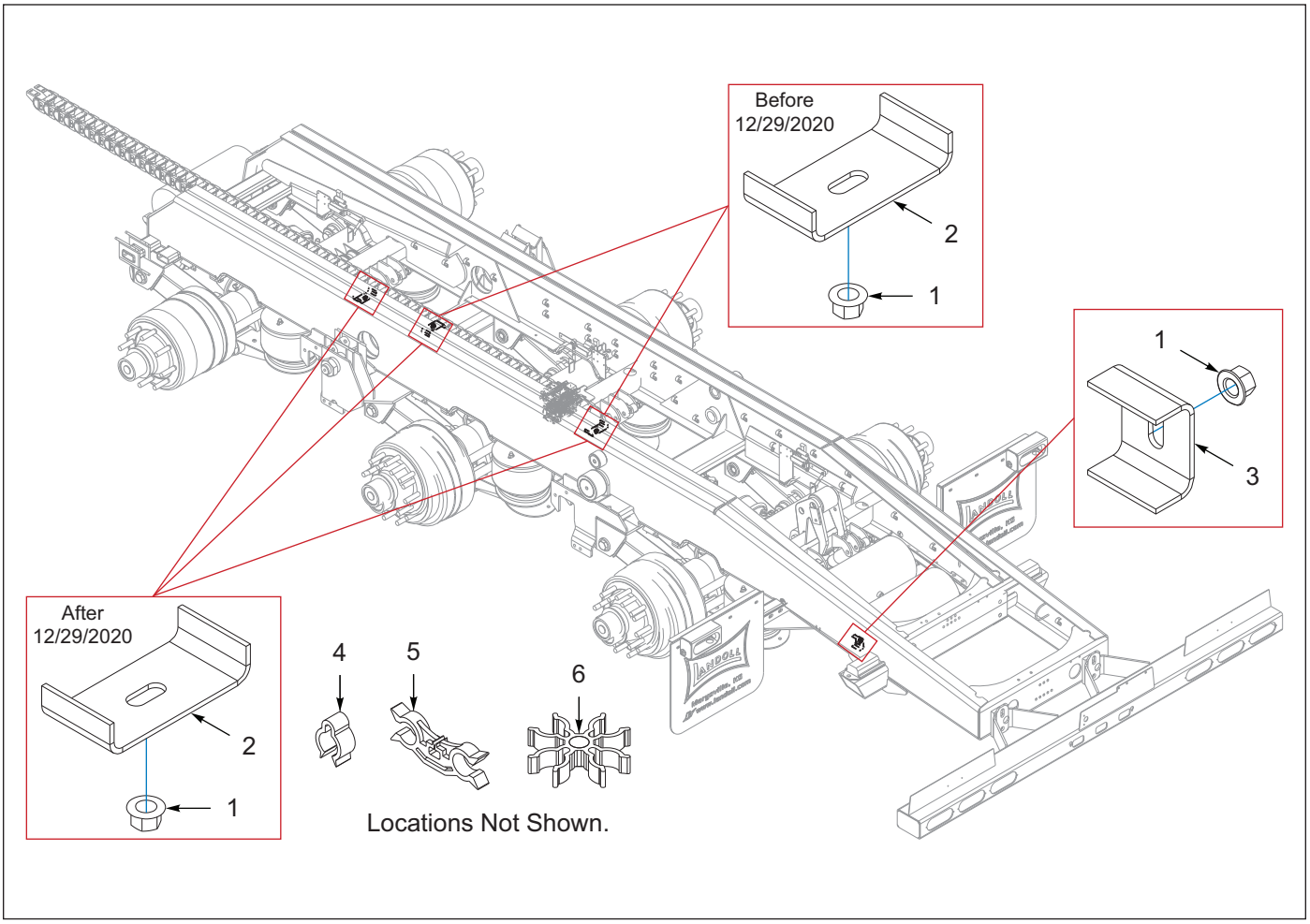


Figure 2-18: Hose Clamps, Clips, No Grommets, 3 Axle (Before 03/10/2023)

Hose Clamps, Clips, No Grommets, 3 Axle (Before 03/10/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB	- -
	215028	SUSP 455B-102 BB GROTE	- -
	216223	SUSP 455B-CA-102 SB AQUA	- -
	214474	SUSP 455B-108 SB	- -
	214471	SUSP 455B-108 BB	- -
	215213	SUSP ASSY 455B-120BB 87 TRK	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G **(BEFORE 12/29/2020, 3 EACH) (AFTER 12/29/2020, 4 EACH)**	- -
2	103817	CLAMP,HOSE 660 U/C **(BEFORE 12/29/2020, 2 EACH) (AFTER 12/29/2020, 3 EACH)**	- -
3	2-181-010001	HOSE CLAMP	1
4	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE **(QTY VARIES ON LENGTH / WIDTH)**	1
5	239148	CLIP,3/8 AIR HOSE SEPERATOR **(QTY VARIES ON LENGTH / WIDTH)**	1
6	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS **(QTY VARIES ON LENGTH / WIDTH)**	1

Hose Clamps, Clips, Grommets, 3 Axle (03/10/2023 To 12/01/2025)

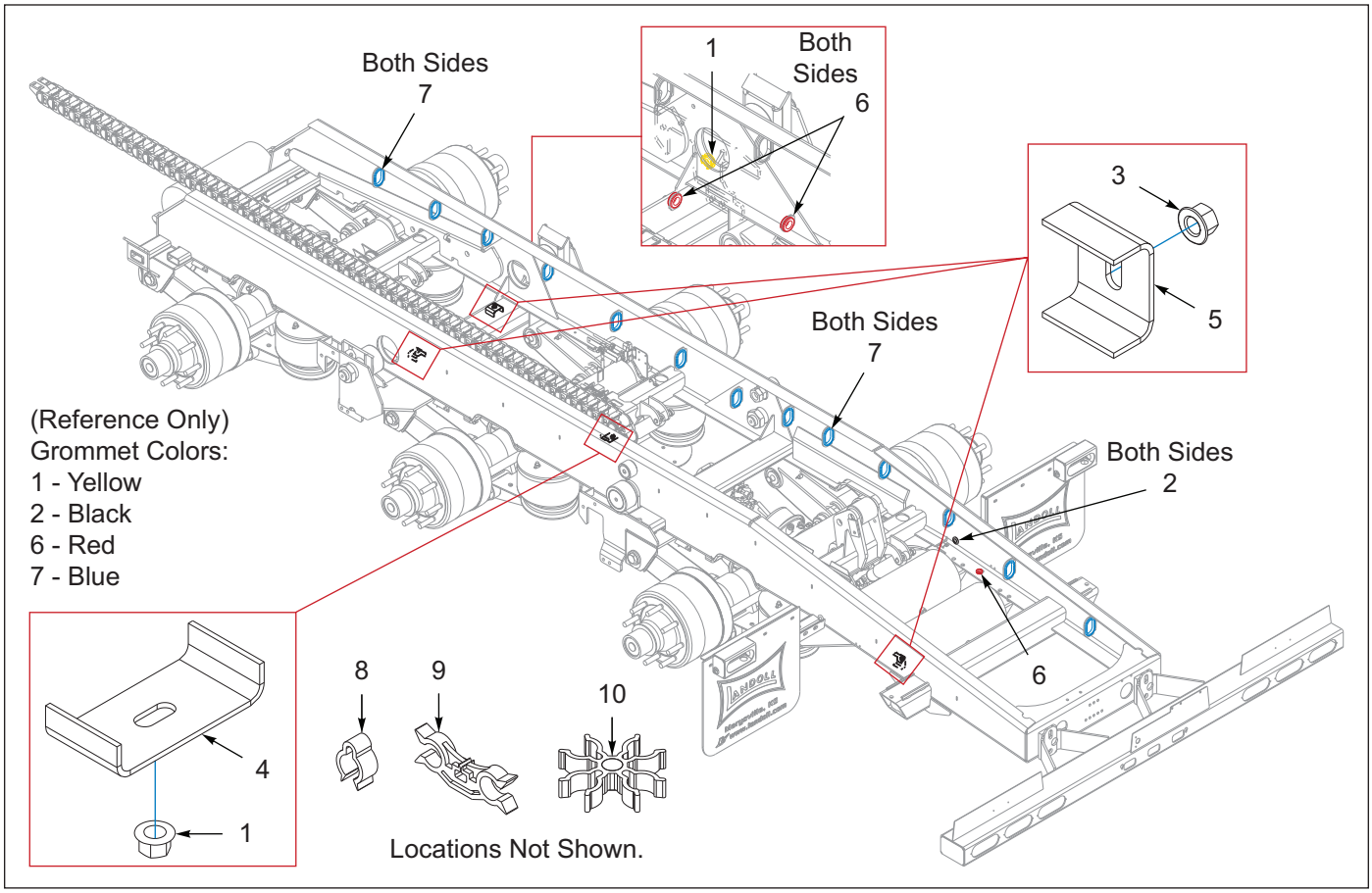


Figure 2-19: Hose Clamps, Clips, Grommets, 2 Axle (03/10/2023 To 12/01/2025)

Hose Clamps, Clips, Grommets, 3 Axle (03/10/2023 To 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB	- -
	215028	SUSP 455B-102 BB GROTE	- -
	216223	SUSP 455B-CA-102 SB AQUA	- -
	214474	SUSP 455B-108 SB	- -
	214471	SUSP 455B-108 BB	- -
	215213	SUSP ASSY 455B-120BB 87 TRK	- -
1	1-343-010011	GROMMET 3/8 **(AFTER 06/12/2023)**	2
2	1-343-010006	GROMMET	2
3	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	4
4	103817	CLAMP,HOSE 660 U/C	1
5	2-181-010001	HOSE CLAMP	3
6	237-2308-003	GROMMET, 1 ID, 3/16 GW **(AFTER 04/19/2024)**	5
7	234683	GROMMET, HOLE 2-1/2IN-1/4T **(QTY VARIES ON LENGTH / WIDTH)**	1
8	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE **(QTY VARIES ON LENGTH / WIDTH)**	1
9	239148	CLIP,3/8 AIR HOSE SEPERATOR (QTY VARIES ON LENGTH / WIDTH)	1
10	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS **(QTY VARIES ON LENGTH / WIDTH)**	1

Hose Clamps, Clips, Grommets, 3 Axle (After 12/01/2025)

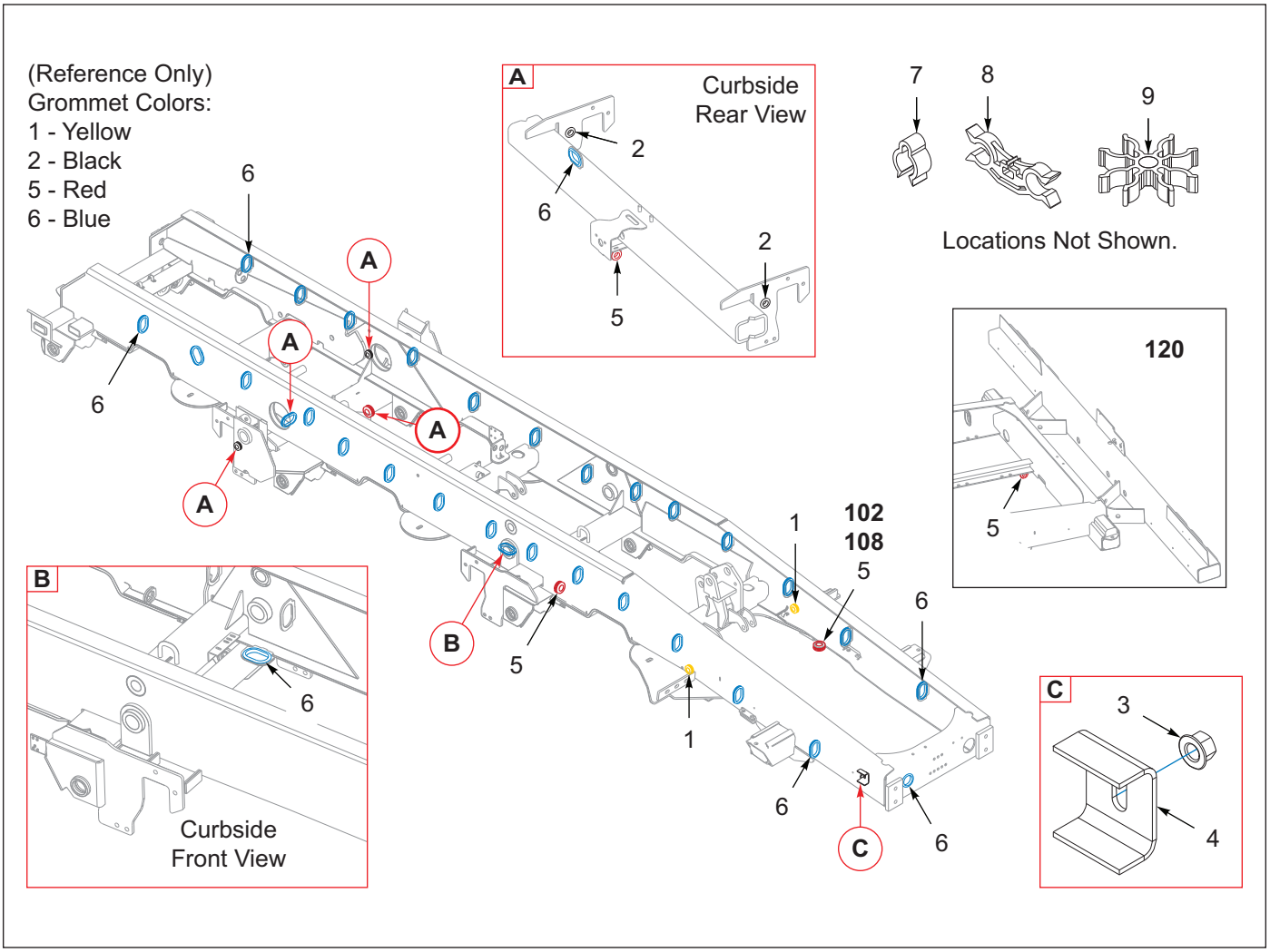


Figure 2-20: Hose Clamps, Clips, Grommets, 2 Axle (After 12/01/2025)

Hose Clamps, Clips, Grommets, 3 Axle (After 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	250701	SUSP 455B SB / BB DRUM HLDX **(102 / 108, STD / CA MODELS)**	- -
	250711	SUSP 455B 120 DRUM HLDX **(120 SB / BB MODELS)**	- -
	253282	SUSP 455B SB / BB DISC HLDX **(102 / 108, STD / CA MODELS)**	- -
1	1-343-010006	GROMMET	2
2	1-343-010011	GROMMET 3/8	2
3	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	1
4	2-181-010001	HOSE CLAMP	1
5	237-2308-003	GROMMET, 1 ID, 3/16 GW	3
6	234683	GROMMET, HOLE 2-1/2IN-1/4T **(QTY VARIES ON LENGTH / WIDTH)**	1
7	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE **(QTY VARIES ON LENGTH / WIDTH)**	1
8	239148	CLIP,3/8 AIR HOSE SEPERATOR **(QTY VARIES ON LENGTH / WIDTH)**	1
9	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS **(QTY VARIES ON LENGTH / WIDTH)**	1

Table provided for general use.

NOTES:

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

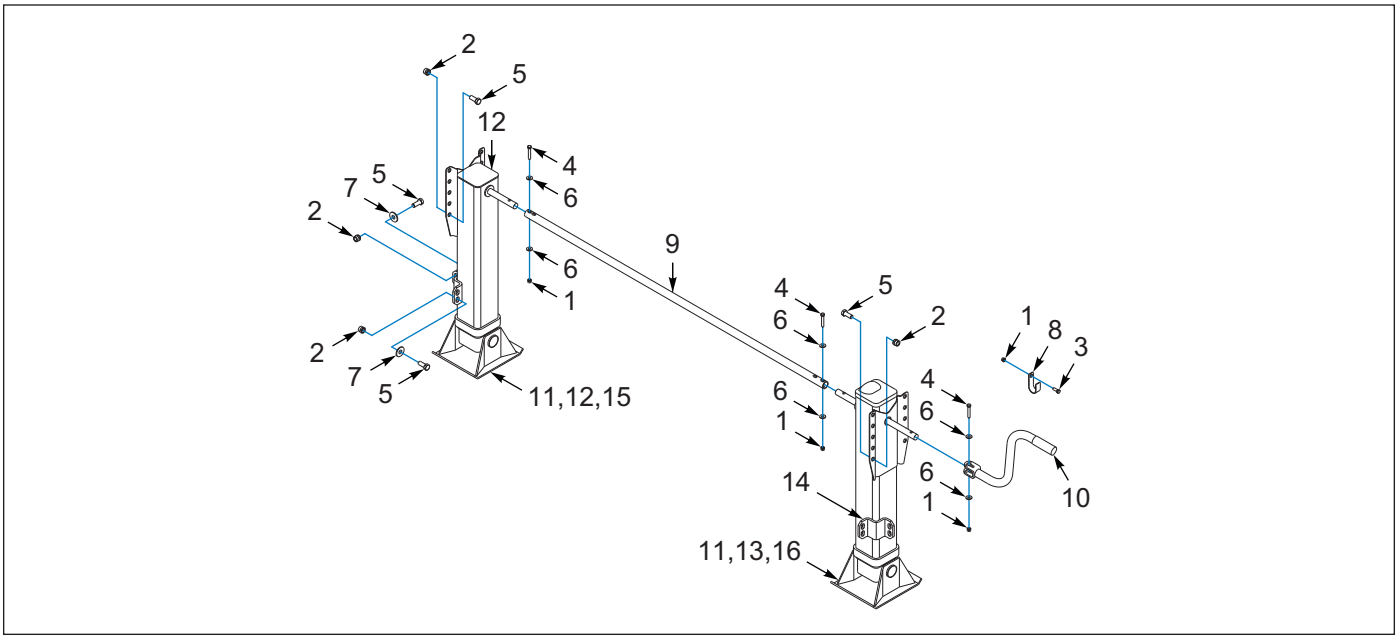


Figure 2-21: Landing Legs, Gear, 2-Speed, Flip Crank, Front Interior Low Mt Bkt

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

ITEM	PART NUMBER	DESCRIPTION	QTY.
	117558	LANDING GEAR INST - JOST 410 **(102" TRL)**	- -
	164120	LANDING GEAR JOST 455-108 **(108" TRL)**	- -
	133799	LANDING GEAR INST-JOST410-120 **(120" TRL)**	- -
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 HXCP 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 **(102" TRL, 70" SHAFT)**	1
9	164121	CROSS-SHAFT LG 455-108 **(108" TRL, 76" SHAFT)**	1
9	133798	CROSS-SHAFT LANDING GEAR 410 **(120" TRL, 88" SHAFT)**	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 2-43)**	1
16	225284	LH LANDING LEG CRANK SIDE **(STREETSIDE LEG, WO/ ITEM 14) (INCLUDED WITH ITEM 13) (COMPONENTS - SEE PAGE 2-43)**	1

Table provided for general use.

NOTES:

Landing Legs, Hydraulic (Option)

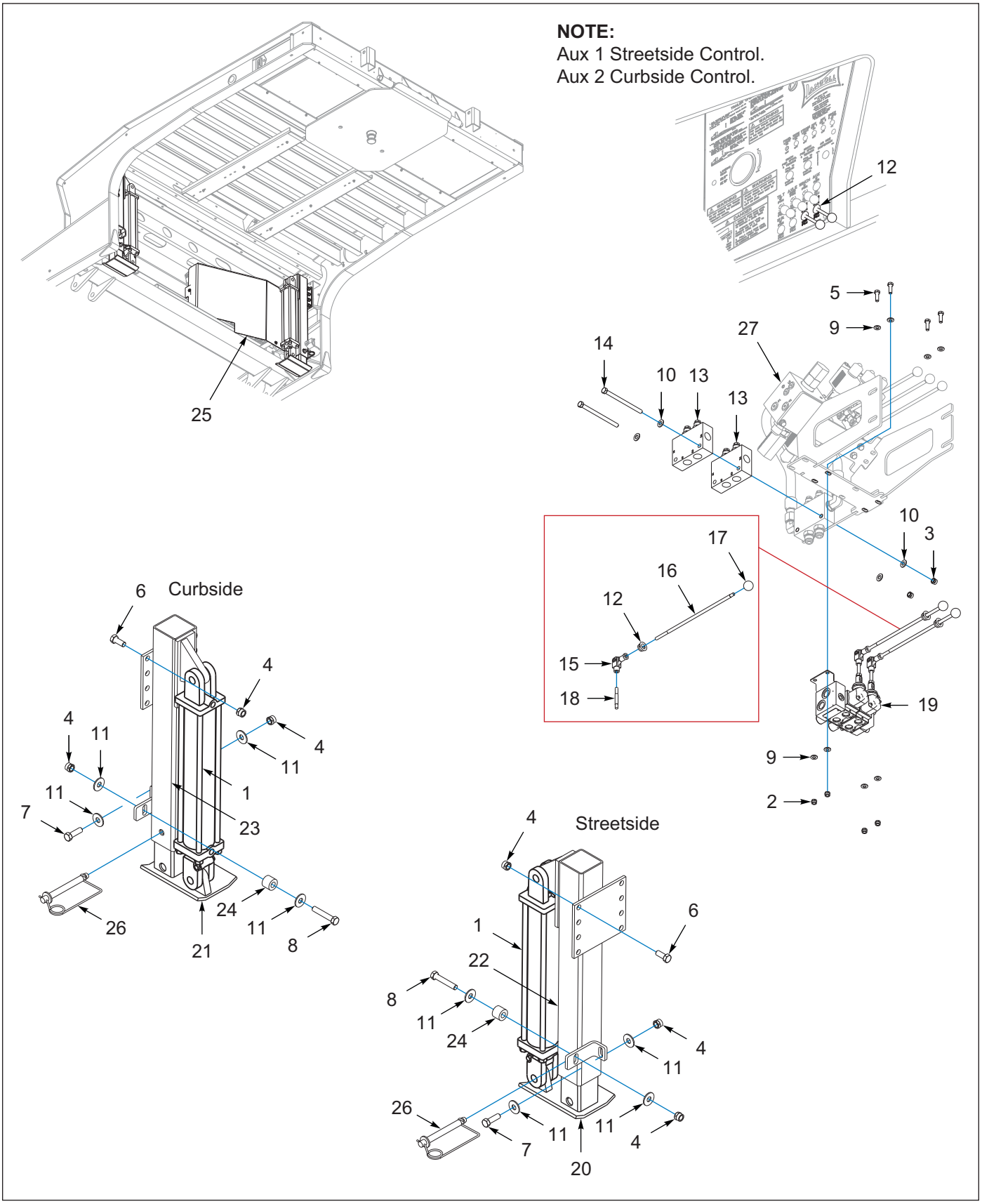


Figure 2-22: Landing Legs, Hydraulic (Option)

Landing Legs, Hydraulic (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	195371	PARK STAND HYD 400AX102	- -
	195372	PARK STAND HYD 400AX102 ARCTIC	- -
	195374	PARK STAND HYD 400AX108	- -
	195375	PARK STAND HYD 400AX108 ARCTIC	- -
	195376	PARK STAND HYD 400AX120	- -
	195377	PARK STAND HYD 400AX120 ARCTIC	- -
1	1-242-010180-2	CYLINDER,HYD 3-1/2X20 3000PSI **(HYDRAULICS - SEE PAGE 11-9)** **(COMPONENTS - SEE PAGE 11-23)**	2
2	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	4
3	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2
4	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	20
5	1-654-010049-05	SCREW HX CP 5/16-18UNCX1 GR5	4
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	2
8	1-654-010059-11	SCREW,HX CP 5/8-11UNCX3.5GR5	2
9	1-861-010032-08	WASHER,FLAT 5/16 N ZP	8
10	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	4
11	1-861-010032-19	WASHER, FLAT 5/8 W ZP/CD	8
12	178444	BUSHING NYLON INSERT 9/16ID	2
13	184585	VALVE,DUAL COUNTER BALANCE,30G **(INCLUDES 236533 - CARTRIDGE, 2 EACH)** **(HYDRAULICS - SEE PAGE 11-9)**	2
14	185216	SCREW,HXCAP3/8-16UNCX5-1/4GR5	2
15	186875	CLEVIS JOINT,ROD ENDS M8.1.25	2
16	191850	HANDLE,BLACK,12",M8-125 THREAD **(12 INCH HANDLE)** **(INCLUDES ITEM 17) (INCLUDED WITH ITEM 19)**	2
17	186877	KNOB BLACK 1" ROUND M8X1.25THD **(INCLUDED WITH ITEMS 16, 19)**	2
18	186902	STUD M8X1.25X65MM,DBL THD	2
19	189260	VALVE, 2 SPOOL, MOTOR, MANUAL **(INCLUDES ITEMS 16-17)** **(HYDRAULICS - SEE PAGE 11-9)** **(COMPONENTS - SEE PAGE 11-37)**	1
20	195378	PARK STAND WLDMT,HYD LH LEG400 **(STREETSIDE LOWER LEG)**	1
21	195379	PARK STAND WLDMT,HYD RH LEG400 **(CURBSIDE LOWER LEG)**	1
22	195380	PARK STAND WLDMT HYD LH 400A **(STREETSIDE UPPER SUPPORT)**	1
23	195381	PARK STAND WLDMT HYD RH400A **(CURBSIDE UPPER SUPPORT)**	1
24	195383	TUBE RD 1-1/2X3/4X1-3/16	2
25	195384	SHIELD HYD CONTROLS SHORT **(INSTALLATION - SEE PAGE 2-1)**	1
26	346SL	SNAP LOCK PIN 3/4" W/ WASHER	2
27	186886	VALVE ASSY 3 SP MOTOR SOLE **(INSTALLATION - SEE PAGE 2-7)**	1

Landing Legs, Pinned (Option)

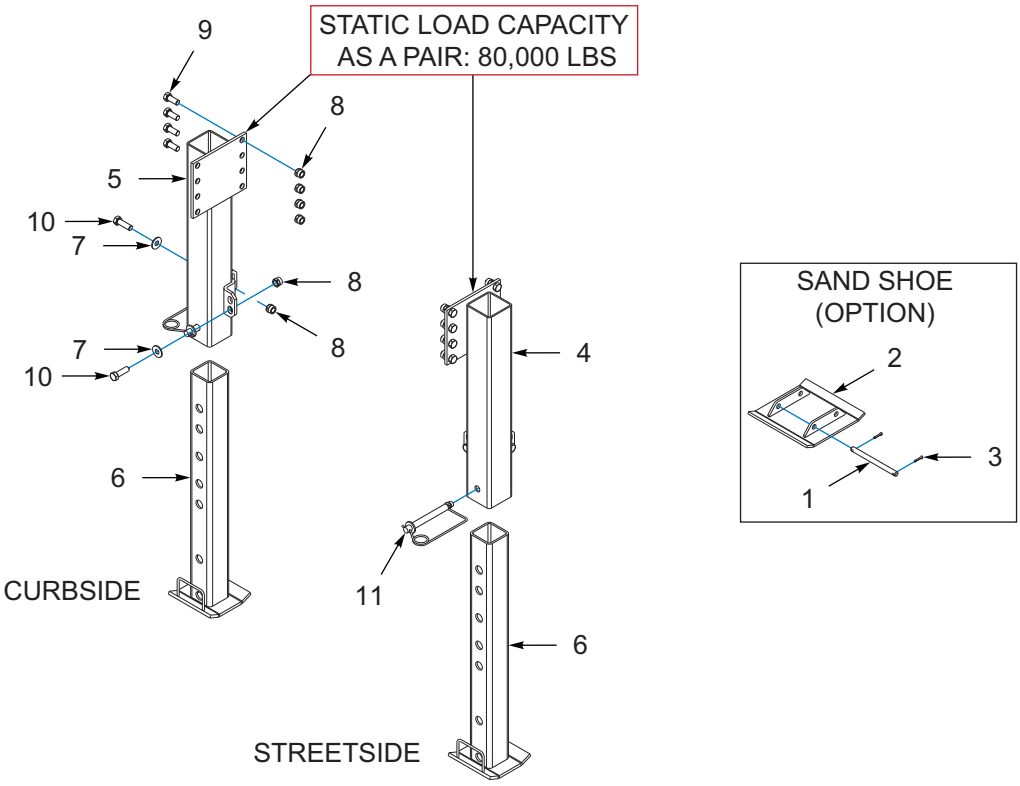


Figure 2-23: Landing Legs, Pinned (Option)

Landing Legs, Pinned (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	126883	SAND PAD INSTALL **(OPTION INCLUDES ITEMS 1-3)**	- -
	104243	PARK STAND INSTL, PIN DROP **(REQ ITEMS 4-11)**	- -
1	126881	PIN, SAND PAD	4
2	126879	SAND PAD WLDMT	2
3	1-557-010362-59	PIN,COTTER 1/4X1	8
4	112678	PARK STD WLDMT,LH FRONT PIN	1
5	112679	PARK STD WLDMT,RH FRONT PIN	1
6	3-725-010058	STAND, PARK INSIDE WLDMT **(32-3/4" TUBE)**	2
7	1-861-010032-19	WASHER, FLAT 5/8 W ZP/CD	4
8	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	20
9	1-654-010059-03	SCREW 5/8-11UNCX1-1/2 HXCP G5	16
10	1-654-010059-05	SCREW,HEX CAP,5/8-11UNCX2 GR5	4
11	346SL	SNAP LOCK PIN 3/4" W/ WASHER	2

Table provided for general use.

NOTES:

Landing Leg Components, Gear, 2-Speed

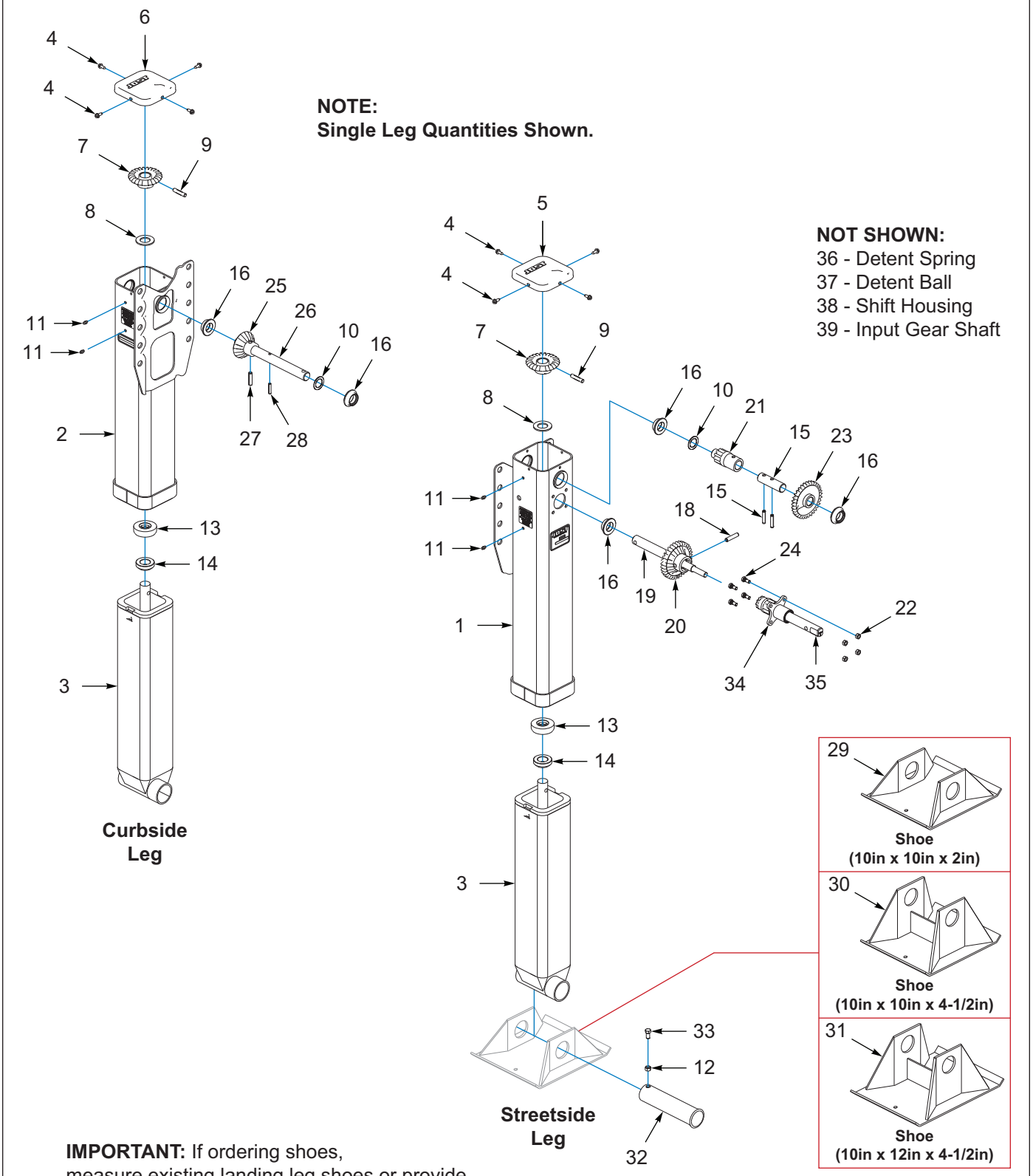


Figure 2-24: Landing Leg Components, Gear, 2-Speed

Landing Leg Components, Gear, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	116800	LANDING GEAR JOST #A401T19 **(19" TRAVEL, REQUIRES ITEM 30, SHOE 10 X 10 X 4-1/2)**	- -
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	129198	SHOE, JOST, LOW PROFILE **(10 IN X 10 IN X 2 IN)**	1
30	114529	JOST C10035 SHOE FOR 109709 **(10 IN X 10 IN X 4-1/2 IN)**	1
31	C10256	SAND SHOE **(10 IN X 12 IN X 4-1/2 IN)**	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 36-38)**	1
35	207360	SHIFT HOUSING SERVICE KIT **(KIT INCLUDES ITEMS 36-39)**	1
36	- - - - -	DETENT SPRING **(INCLUDED WITH ITEMS 34-35, NOT SHOWN)**	1
37	- - - - -	DETENT BALL **(INCLUDED WITH ITEMS 34-35, NOT SHOWN)**	2
38	- - - - -	SHIFT HOUSING **(INCLUDED WITH ITEMS 34-35, NOT SHOWN)**	1
39	- - - - -	INPUT GEAR SHAFT **(INCLUDED WITH ITEMS 35, NOT SHOWN)**	1

Leveler, Upper Deck, Slope Filler (Options)

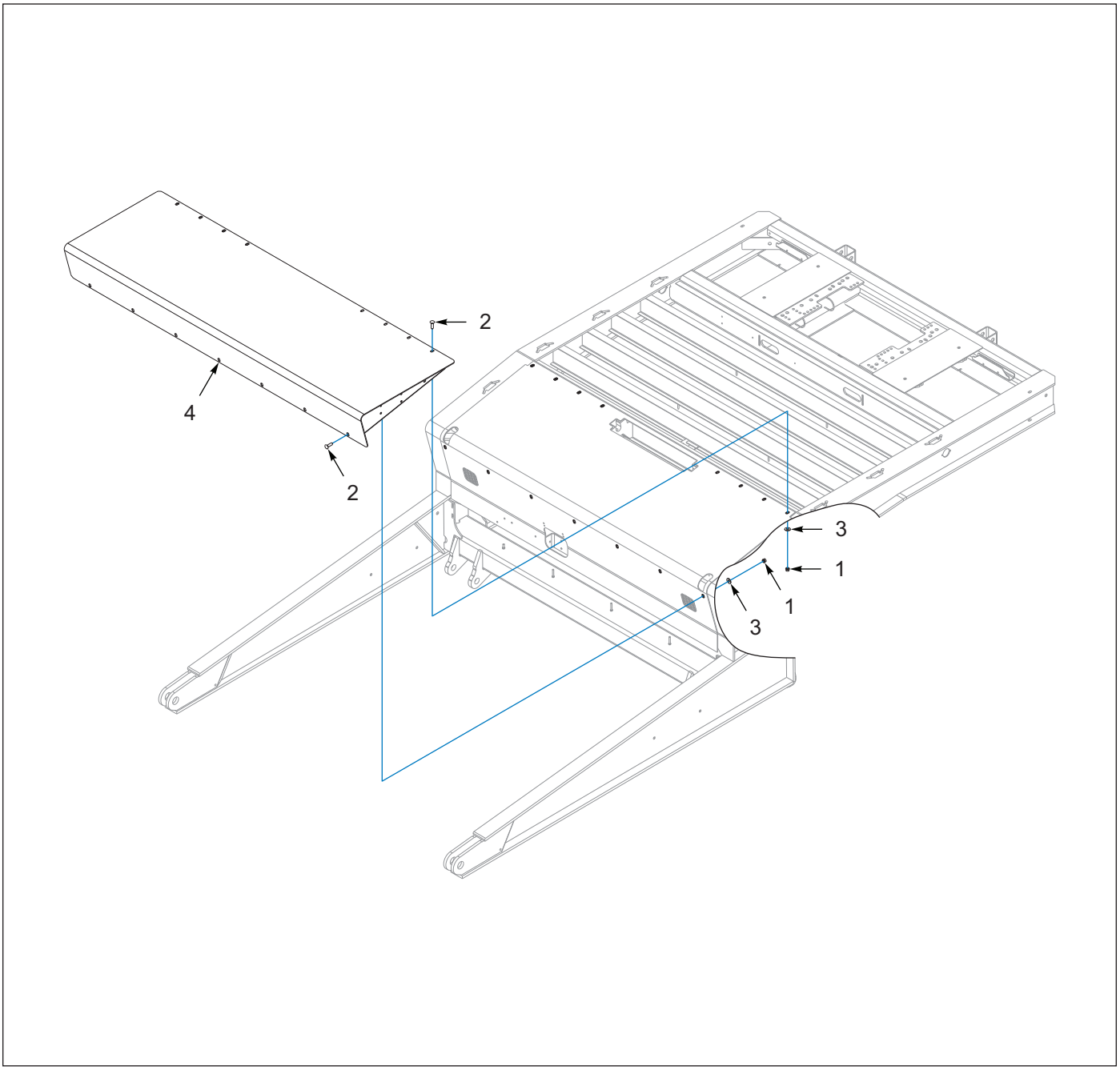


Figure 2-25: Leveler, Upper Deck, Slope Filler (Options)

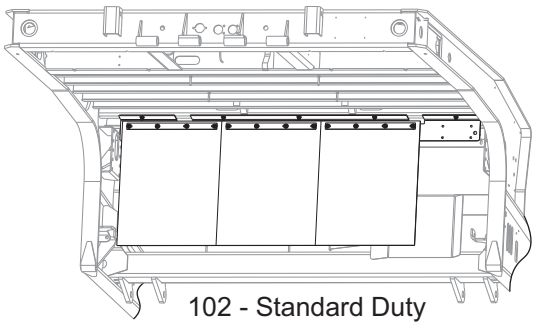
Leveler, Upper Deck, Slope Filler (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	150954	DECK INSTL 435 SLOPE FILLER **(INCLUDES ITEMS 1-4)**	- -
	150965	INSTALL GALV FILLER 435 SLOPE **(GALV) (INCLUDES ITEMS 1-4)**	- -
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	15
2	1-654-010070-03	SCREW RDHD SQNK1/2-13X1-1/2	15
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	15
4	150950	FILLER WLDMT 435 SLOPE	1
4	150962	GALVANIZED FILLER 435 SLOPE **(GALV)**	1

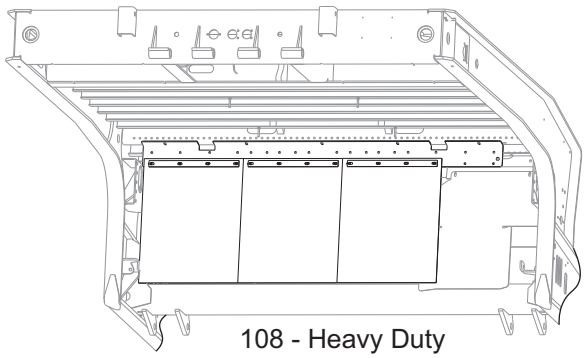
Table provided for general use.

NOTES:

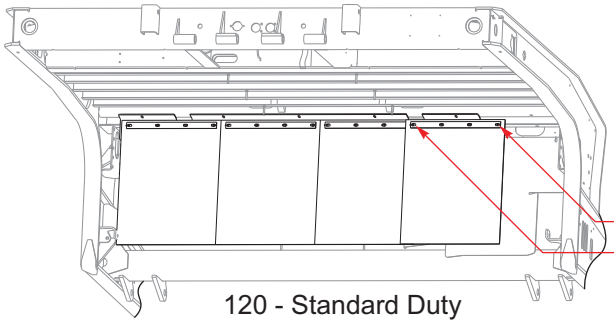
Mud Flaps, Gooseneck (Options)



102 - Standard Duty Displayed



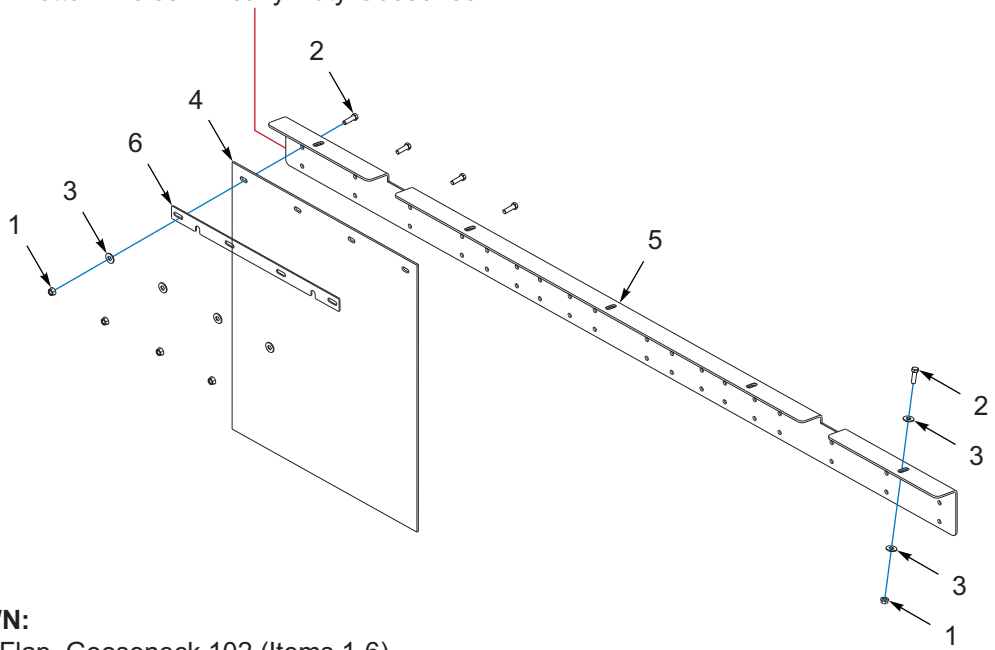
108 - Heavy Duty Displayed



120 - Standard Duty Displayed

120 NOTES:
Last Hole Does Not Mount on Bracket.
Mount to Last Bolt of 3rd Mud Flap.

NOTE: Mud Flap Mounting.
Top Holes = Standard Duty Gooseneck
Bottom Holes = Heavy Duty Gooseneck



NOT SHOWN:
7 - Kit, Mud Flap, Gooseneck,102 (Items 1-6)
8 - Kit, Mud Flap, Gooseneck,108 (Items 1-6)
9 - Kit, Mud Flap, Gooseneck,120 (Items 1-6)

Figure 2-26: Mud Flaps, Gooseneck (Options)

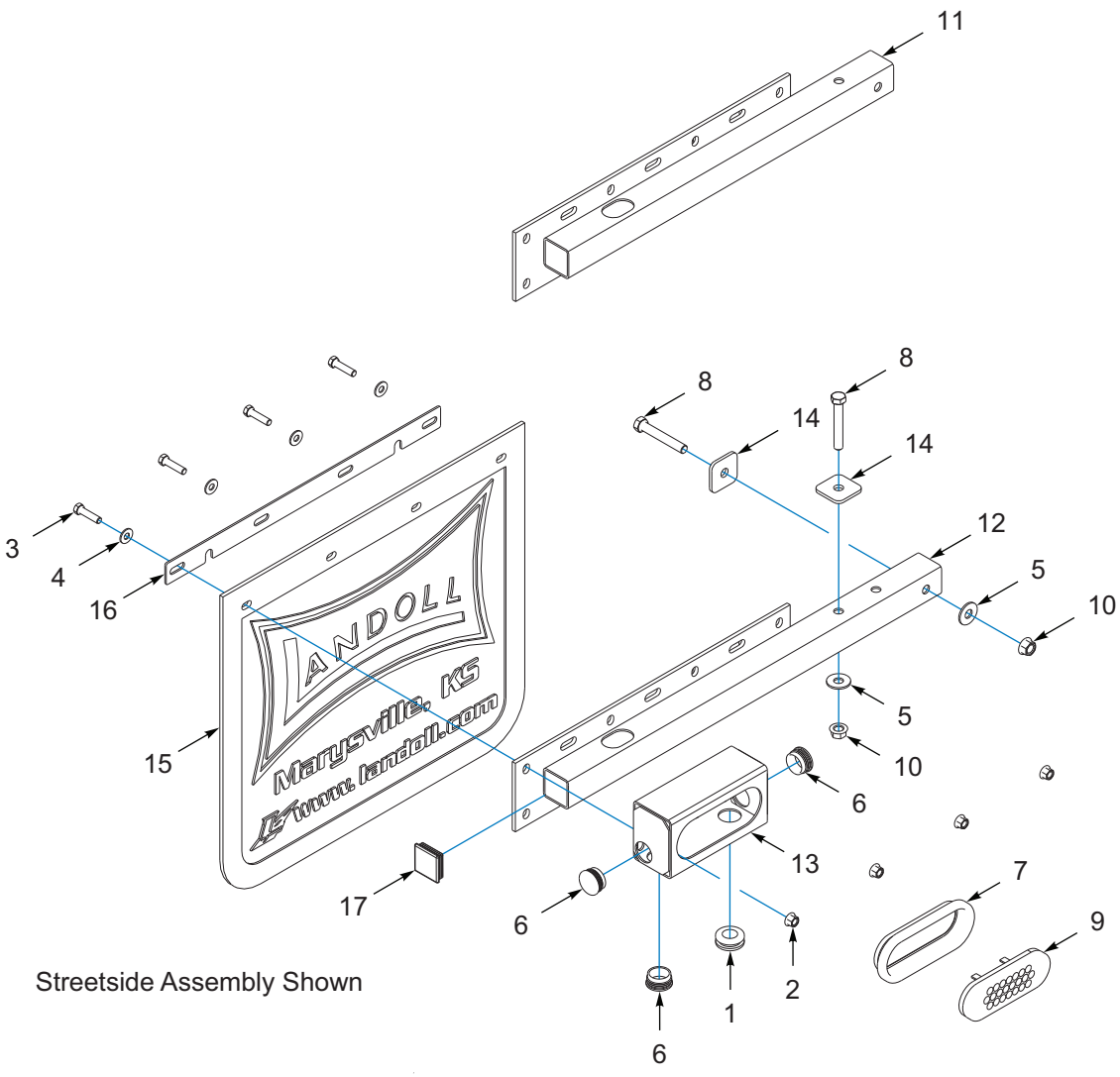
Mud Flaps, Gooseneck (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	164434	MUD FLAPS UNDER G/N 455-108 **(108)**	- -
	174597	MUDFLAPS UNDER G/N 400-102 **(102)**	- -
	180539	MUDFLAPS UNDER G/N 400-120 **(120)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G **(102, 108, REQ 17)** **(120, REQ 20)**	- -
2	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4 **(102, 108, REQ 17)** **(120, REQ 20)**	- -
3	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(102, 108, REQ 22)** **(120, REQ 25)**	- -
4	131195	MUD FLAP BLACK POLYMER 24X30 **(102, 108, REQ 3)** **(120, REQ 4)**	- -
5	180538	BRACKET MUDFLAP G/N UNDERSIDE	1
6	3-762-010017	CLAMP MUD FLAP **(102, 108, REQ 3)** **(120, REQ 4)**	- -
7	180541	MUDFLAPS UNDERG/N400-102FI **(102, 102 HD) (INCLUDES ITEMS 1-6)**	1
8	180543	MUDFLAPS UNDER G/N 400-108 FI **(108, 108 HD) (INCLUDES ITEMS 1-6)**	1
9	180540	MUDFLAPS UNDER G/N 400-120 FI **(120, 120HD) (INCLUDES ITEMS 1-6)**	1

Mud Flaps, Rear, 2 Axle

Before 11/01/2019
(Brackets Welded-On Frame)

After 11/01/2019
(Brackets Bolted-On Frame)



Streetside Assembly Shown

NOT SHOWN:
18 - Kit, Mud Flap, 102 SB & 120 SB / BB (Items 1-11, 13-16)
19 - Kit, Mud Flap, 102 BB & 108 SB / BB (Items 1-10, 12-16)

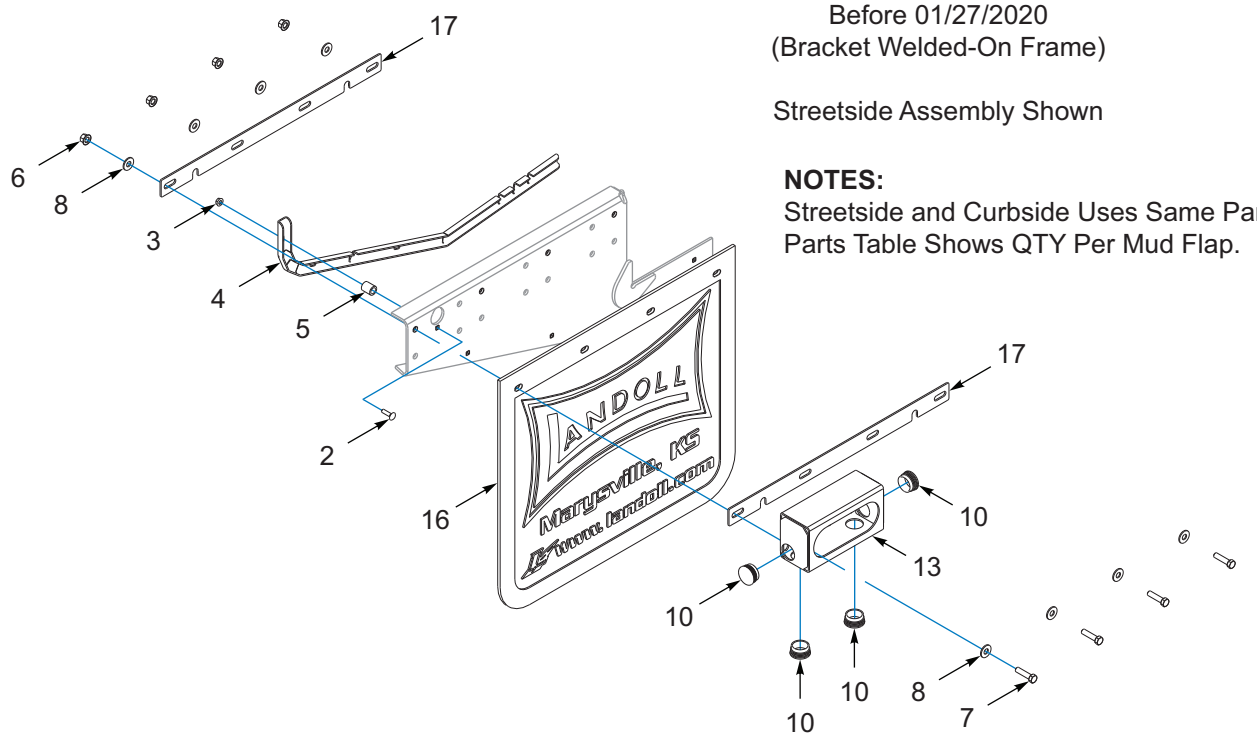
NOTES:
Streetside and Curbside Uses Same Parts.
Parts Table Shows QTY Per Mud Flap.

Figure 2-27: Mud Flaps, Rear, 2 Axle

Mud Flaps, Rear, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-343-010006	GROMMET	1
2	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	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	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	2
6	116324	PLUG,PLAST PANEL1-5/16&1-7/16	3
7	143114	GROMMET OVAL GROTE	1
8	201496	SCREW,HX CAP, 1/2-13X3.25 GR8	2
9	213295	LIGHT CLEAR LENS S/T/T **(ELECTRICAL SYSTEM - SEE PAGE 9-7)**	1
10	223247	NUT, 1/2-13 UNC FLG LOCK GR G	2
11	223252	M FLAP EXT WLDMT DRV GALV **(102 SB, 120 SB/BB)**	1
12	223254	M FLAP WLDMT DRV 102 GALV **(102 BB, 108 SB/BB)**	1
13	223257	MOUNT WLDMT MUDFLAP S/T/T GALV	1
14	254479	WASHER FLT 1/2"X2" SQ YZP 3/16	2
15	3-485-010001	FLAP, MUD 21 IN	1
16	3-762-010017	CLAMP MUD FLAP	1
17	252188	PLUG SQR TBE 2" - 10-14GA **(SOLD SEPARATLY)** **(ADDED 09/25/2024)**	1
18	252287	MUDFLAP ASSY FI 440 **(102 SB, 120 SB/BB)** **(INCLUDES ITEMS 1-11, 13-16)**	1
19	252288	MUDFLAP ASSY FI 440 BB **(102 BB, 108 SB/BB)** **(INCLUDES ITEMS 1-10, 12-16)**	1

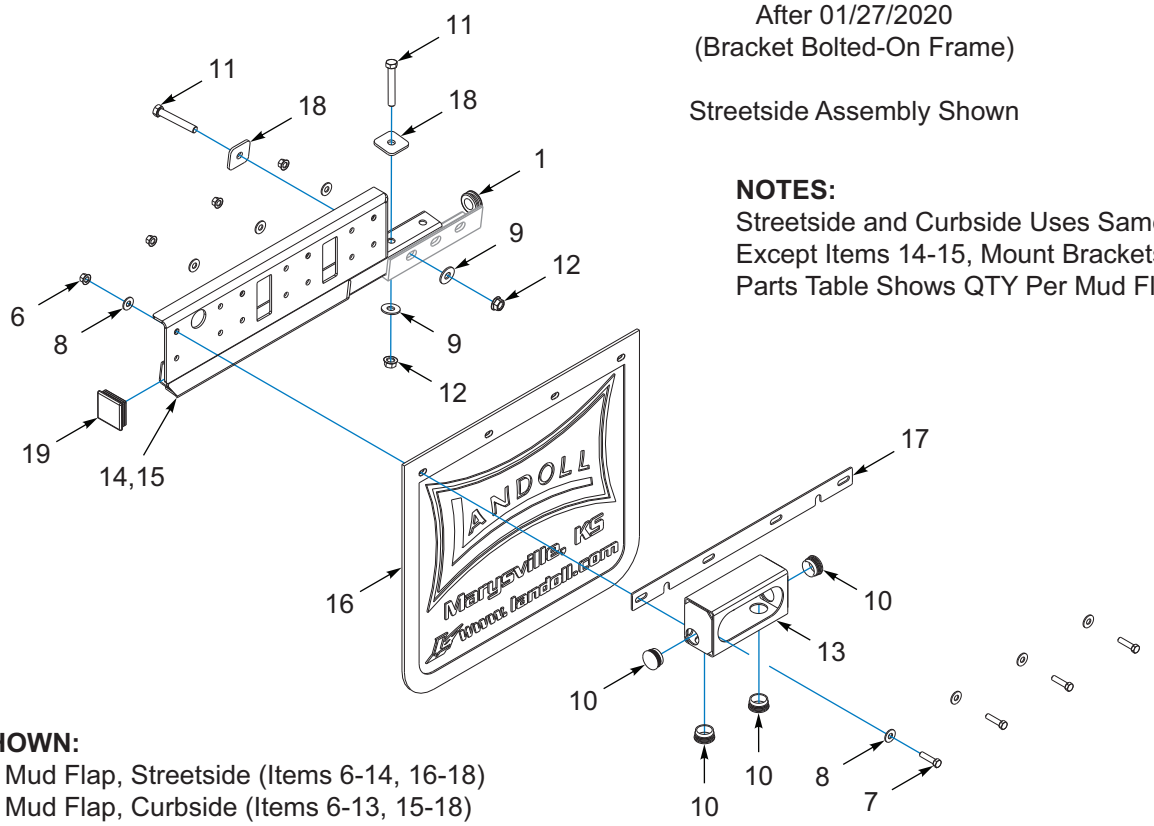
Mud Flaps, Rear, 2 Axle Spread, 3 Axle



Before 01/27/2020
(Bracket Welded-On Frame)

Streetside Assembly Shown

NOTES:
Streetside and Curbside Uses Same Parts.
Parts Table Shows QTY Per Mud Flap.



After 01/27/2020
(Bracket Bolted-On Frame)

Streetside Assembly Shown

NOTES:
Streetside and Curbside Uses Same Parts
Except Items 14-15, Mount Brackets.
Parts Table Shows QTY Per Mud Flap.

NOT SHOWN:
20 - Kit, Mud Flap, Streetside (Items 6-14, 16-18)
21 - Kit, Mud Flap, Curbside (Items 6-13, 15-18)

Figure 2-28: Mud Flaps, Rear, 2 Axle Spread, 3 Axle

Mud Flaps, Rear, 2 Axle Spread, 3 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB / BB DRUM **(102 / 108, STD / CA MODELS)**	- -
	215213	SUSP ASSY 455B-120BB DRUM 87 TRK **(120 BB MODELS)**	- -
	250701	SUSP 455B SB / BB DRUM HLDX **(102 / 108, STD / CA MODELS)**	- -
	250711	SUSP 455B 120 DRUM HLDX **(120 SB / BB MODELS)**	- -
	252523	SUSP 440 SLDR 50-121 HLDX **(2 AXLE SPREAD, DRUM) (OPTION)**	- -
	252553	SUSP 440 SLDR 50-121 DSC **(2 AXLE SPREAD, DISC) (OPTION)**	- -
	253282	SUSP 455B SB / BB DISC HLDX **(102 / 108, STD / CA MODELS)**	- -
	250722	SUSP ASSY 455B 120 SB DSC HLDX **(120 STD / CA MODELS)**	- -
1	1-343-010006	GROMMET **(SOLD SEPARATLY)**	1
2	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1 **(BEFORE 01/27/2020 -AFTER MOUNT IS BOLT ON)**	4
3	108417	NUT SPIRAL 1/4-20HX FG **(BEFORE 01/27/2020 -AFTER MOUNT IS BOLT ON)**	4
4	216248	GUARD HARNESS MUD FLAP S/T/T **(UNIVERSAL)** **(BEFORE 01/27/2020 -AFTER MOUNT IS BOLT ON)**	2
5	216259	SPACER NYLON 3/8 X 7/16 **(USED 04/12/2019)**	8
6	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G **(INCLUDED WITH ITEMS 20-21)**	4
7	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2 **(INCLUDED WITH ITEMS 20-21)**	4
8	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(INCLUDED WITH ITEMS 20-21)**	8
9	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD **(INCLUDED WITH ITEMS 20-21)**	2
10	116324	PLUG,PLAST PANEL1-5/16&1-7/16 **(INCLUDED WITH ITEMS 20-21)**	4
11	201496	SCREW,HX CAP, 1/2-13X3.25 GR8 **(INCLUDED WITH ITEMS 20-21)**	2
12	223247	NUT, 1/2-13 UNC FLG LOCK GR G **(INCLUDED WITH ITEMS 20-21)**	2
13	223257	MOUNT WLDMT MUDFLAP S/T/T GALV **(INCLUDED WITH ITEMS 20-21)**	1
14	223267	GALV M FLAP WLDMT LH, 455 **(STREETSIDE)** **(INCLUDED WITH ITEM 20)**	1
15	223268	GALV M FLAP WLDMT RH, 455 **(CURBSIDE)** **(INCLUDED WITH ITEM 21)**	1
16	3-485-010001	FLAP, MUD 21 IN **(INCLUDED WITH ITEMS 20-21)**	1
17	3-762-010017	CLAMP MUD FLAP **(BEFORE 01/27/2020, 2 EACH)** **(1 EACH INCLUDED WITH ITEMS 20-21)**	1
18	254479	WASHER FLT 1/2"X2" SQ YZP 3/16 **(INCLUDED WITH ITEMS 20-21)**	2
19	252188	PLUG SQR TBE 2" - 10-14GA **(SOLD SEPARATLY)** **(ADDED 09/25/2024)**	1
20	252286	MUDFLAP ASSY FI 455 LH **(STREETSIDE KIT INCLUDES ITEMS 6-14, 16-18)**	1
21	252284	MUDFLAP ASSY FI 455 RH **(CURBSIDE KIT INCLUDES ITEMS 6-13, 15-18)**	1

Rollers, Deck, 8-Pop-Ups (Options)

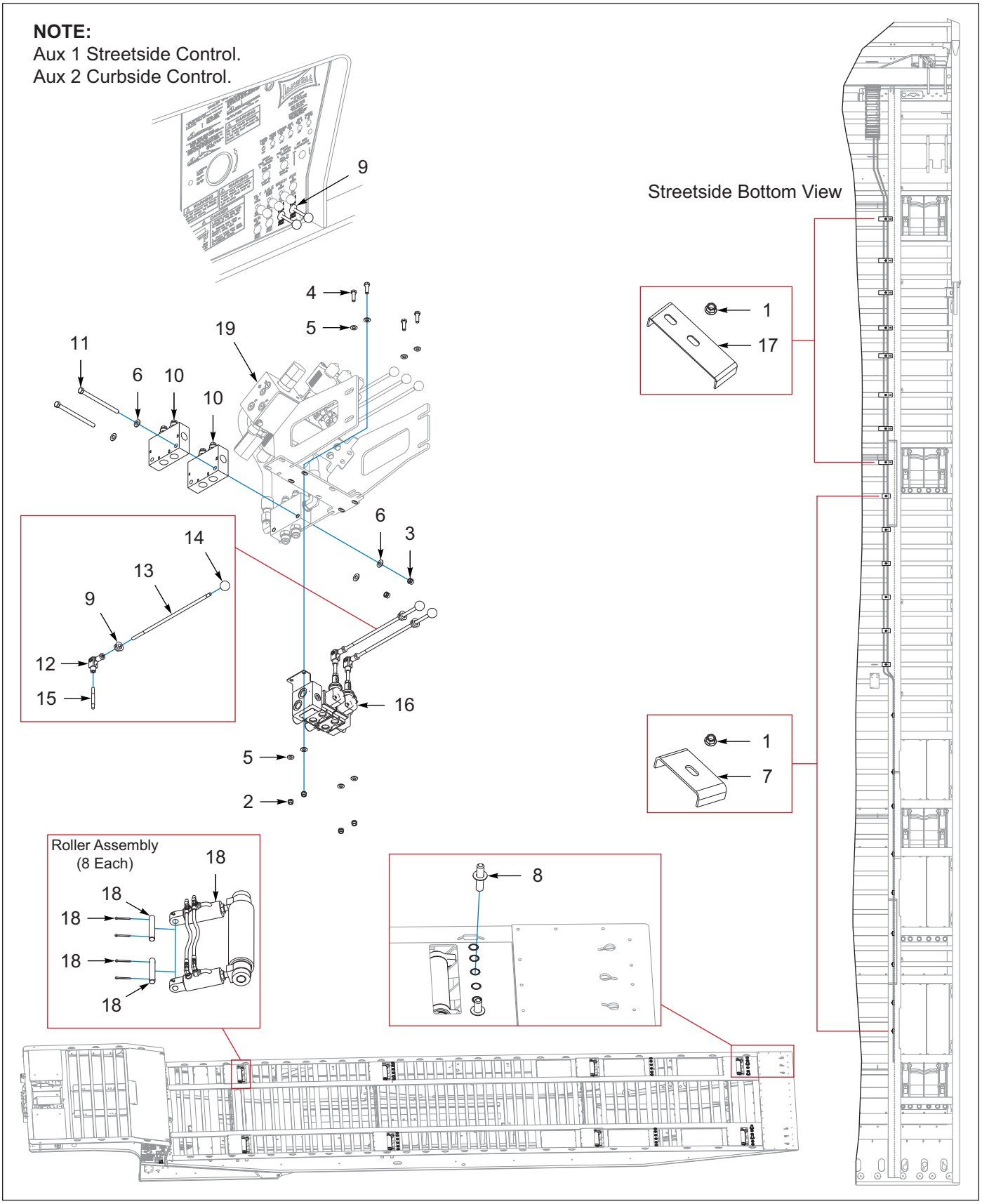


Figure 2-29: Rollers, Deck, 8-Pop-Ups (Options)

Rollers, Deck, 8-Pop-Ups (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	194467	ROLLER INSTL(8)400A-48-102SB **(R01)**	- -
	194483	ROLLER INSTL(8)400A-48-108SBBB **(R02)**	- -
	194499	ROLLER INSTL(8)400A-48-120 SB **(R03)**	- -
	190508	ROLLER INSTL(8)400A-50CA-102SB **(R04)**	- -
	194508	ROLLER INST(8)400A-50CA108SBBB **(R05)**	- -
	194524	ROLLER INSTL(8)400A-50CA120 SB **(R06)**	- -
	194540	ROLLER INSTL(8)400A-50-102 SB **(R07)**	- -
	194556	ROLLER INSTL(8)400A-50-108SBBB **(R08)**	- -
	194572	ROLLER INSTL (8)400A-50-120 SB **(R09)**	- -
	190524	ROLLER INSTL(8)400A-53-102SB **(R10)**	- -
	189384	RLR INSTL(8)400A-53-102SB1" **(R11)**	- -
	190536	ROLLER INSTL(8)400A-53-108SBBB **(R12)**	- -
	190548	ROLLER INSTL(8)400A-53--120 SB **(R13)**	- -
	190552	ROLLER INSTL (8) 400A-53-120BB **(R14)**	- -
	216649	RLR INSTL (8)400B-50CA-102SB1" **(R15)**	- -
	238957	RLR INSTL (8) 400B-57-108 **(R16)**	- -
	238958	RLR INSTL SPCL (8) 400B-57-108 **(R17)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	23
2	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	4
3	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2
4	1-654-010049-05	SCREW HX CP 5/16-18UNCX1 GR5	4
5	1-861-010032-08	WASHER,FLAT 5/16 N ZP	8
6	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	2
7	103817	CLAMP,HOSE 660 U/C	15
8	169865	PIN ALIGNMENT PEG	4
9	178444	BUSHING NYLON INSERT 9/16ID	2
10	184585	VALVE,DUAL COUNTER BALANCE,30G **(INCLUDES 236533 - CARTRIDGE, 2 EACH)** **(HYDRAULICS - SEE PAGE 11-11)**	2
11	185216	SCREW,HXCAP3/8-16UNCX5-1/4GR5	2
12	186875	CLEVIS JOINT,ROD ENDS M8.1.25	2
13	191850	HANDLE,BLACK,12",M8-125 THREAD **(12 INCH HANDLE)** **(INCLUDES ITEM 14) (INCLUDED WITH ITEM 16)**	2
14	186877	KNOB BLACK 1" ROUND M8X1.25THD **(INCLUDED WITH ITEMS 13, 16)**	2
15	186902	STUD M8X1.25X65MM,DBL THD	2
16	189260	VALVE, 2 SPOOL, MOTOR, MANUAL **(INCLUDES ITEMS 13-14)** **(HYDRAULICS - SEE PAGE 11-11)** **(COMPONENTS - SEE PAGE 11-37)**	1
17	3-181-010006	HOSE CLAMP 350	8

ITEM	PART NUMBER	DESCRIPTION	QTY.
18	169845	ROLLER SUB-ASSY POP-UP **(R02, R05, R08, R12, R14)** **(HYDRAULICS - SEE PAGE 11-11)** **(COMPONENTS - SEE PAGE 11-33)**	8
18	175617	ROLLER SUB-ASSY POP-UP **(R01, R03, R04, R06, R07, R09, R10, R13)** **(HYDRAULICS - SEE PAGE 11-11)** **(COMPONENTS - SEE PAGE 11-33)**	8
18	186861	ROLLER ASSY, POP-UP, 1" STOP **(R11, R15)** **(HYDRAULICS - SEE PAGE 11-11)** **(COMPONENTS - SEE PAGE 11-33)**	8
19	186886	VALVE ASSY 3 SP MOTOR SOLE **(INSTALLATION - SEE PAGE 2-7)**	1

Traction Plate, Rear Approach (Options)

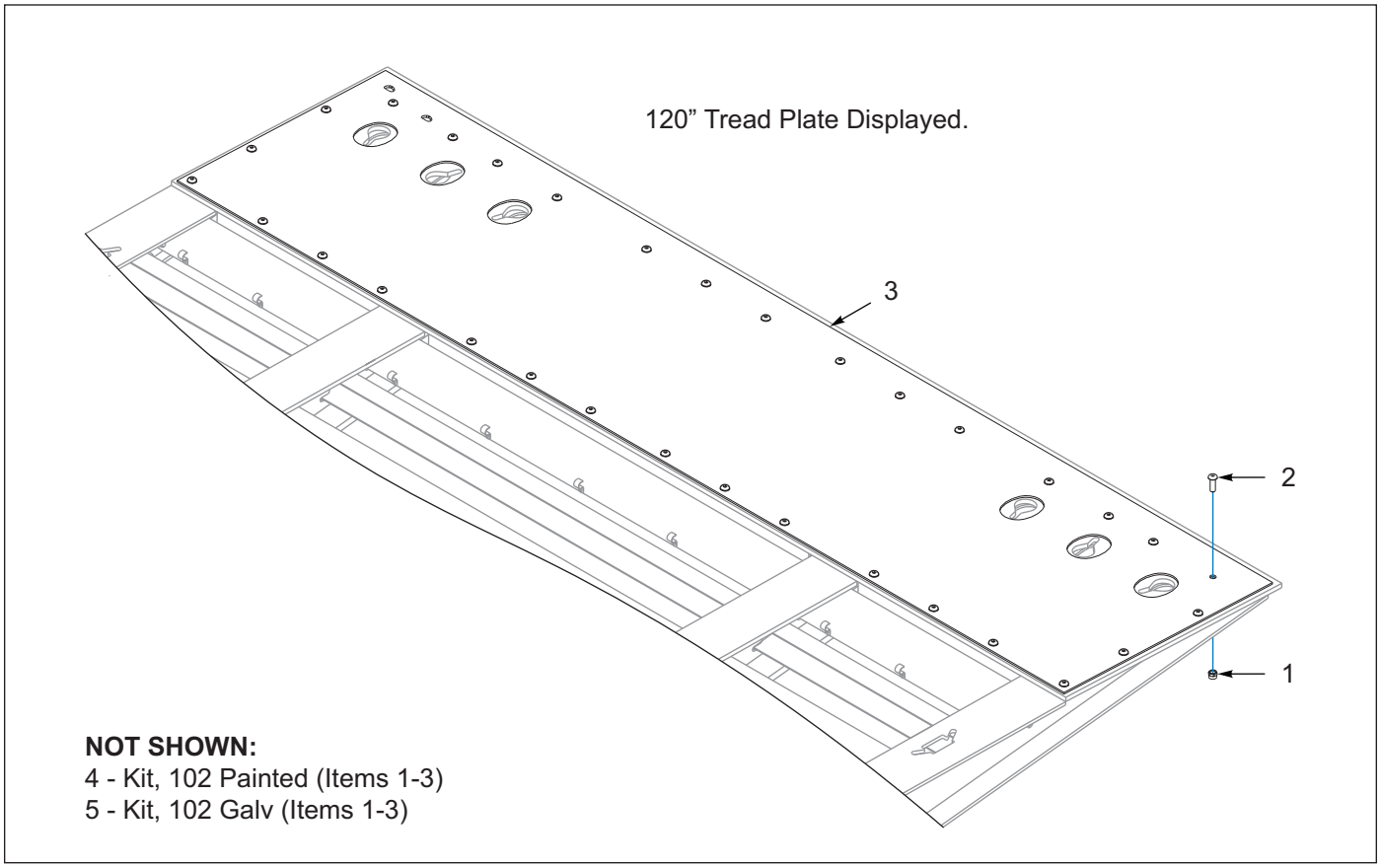


Figure 2-30: Traction Plate, Rear Approach (Options)

Traction Plate, Rear Approach (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	179948	TRAC PLT INSTL A/P 400 **(102 PAINTED)**	- -
	179949	TRAC PLT INSTL A/P 400 GALV **(102 GALV)**	- -
	190572	TREAD PLT INSTL A/P 400-108 **(108 PAINTED)**	- -
	190573	TREAD PLT INSTL A/P400-108 GAL **(108 GALV)**	- -
	190581	TREAD PLT INSTL A/P 400-120 **(120 PAINTED)**	- -
	190582	TREAD PLT INSTL A/P400-120 GAL **(120 GALV)**	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB **(102 REQ 24) (108 REQ 30) (120 REQ 32)**	- -
2	129454	SCREW,BHSC 1/2-13UNC X 1.500 **(102 REQ 24) (108 REQ 30) (120 REQ 32)**	- -
3	179946	GALV OF 179945 (TRD PLTE) **(102" GALV)**	1
3	245917	TRL COL PNT OF 179945 **(102" PAINTED)**	1
3	190568	PLATE TRD GRIP BOLT-ON 108 **(108" PAINTED)**	1
3	190570	GALV OF 190568 (TRD PLT) **(108" GALV)**	1
3	234051	TRD GRIP 190583 PTD TRLR COLOR **(120" PAINTED)**	1
3	190584	GALV OF 190583 (TRD PLATE) **(120" GALV)**	1
4	179950	TRD GRIP,TRL CLR, A/P 400 FI **(102 PAINTED KIT INCLUDES ITEMS 1-3)**	1
5	179951	TRD GRIP,GALV, A/P 400 FI **(102 GALV KIT INCLUDES ITEMS 1-3)**	1

Suspension Assembly

Axle 12.25 x 7.50 Drum Brake Components

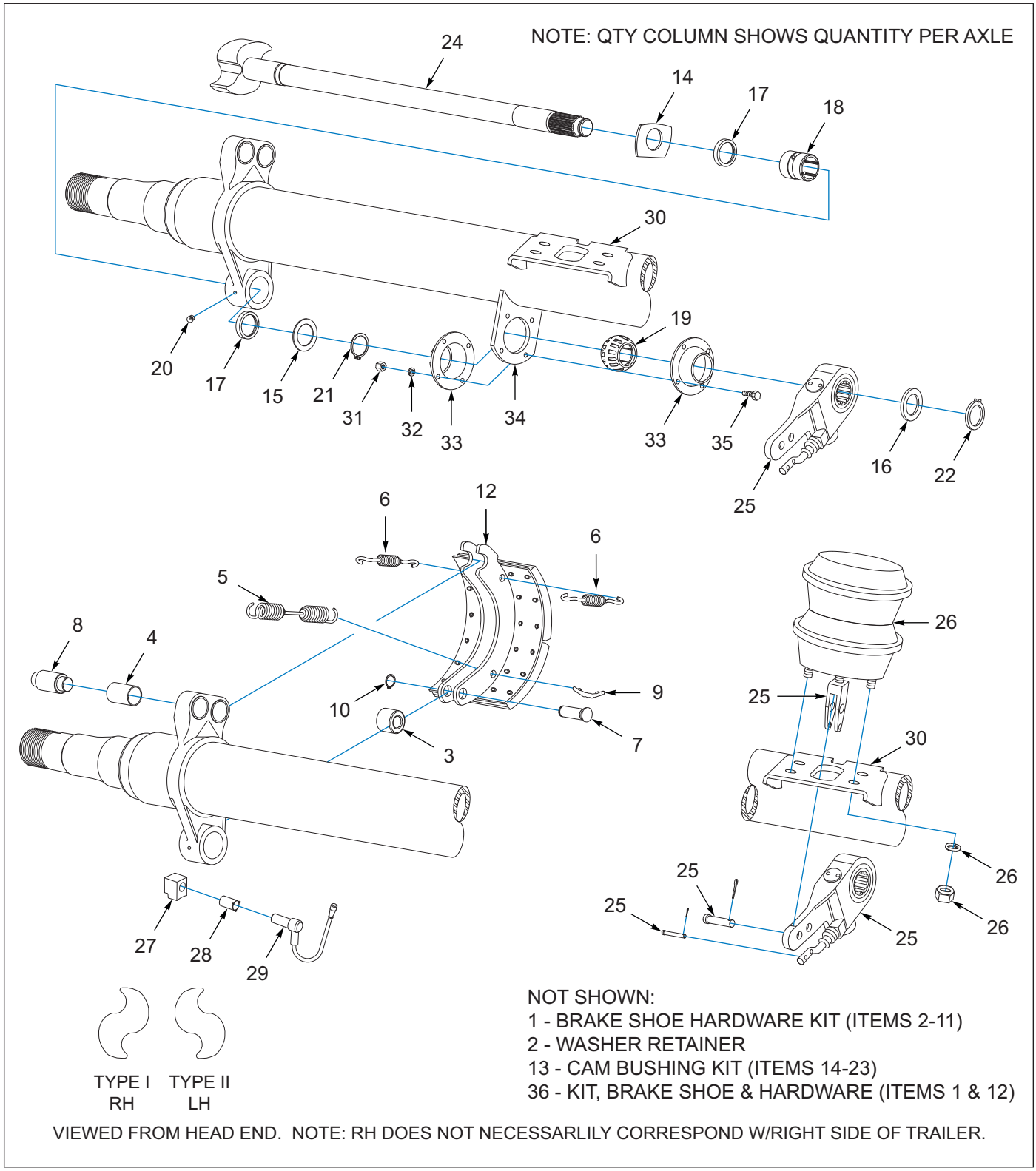


Figure 3-1: Axle 12.25 x 7.50 Drum Brake Components

Axle 12.25 x 7.50 Drum Brake Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212378	AXLE 70.5 12.25SPG 25K TIS **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE) (REPLACED 115703 AFTER 06/16/2018)**	- -
	212379	AXLE 70.5 12.25SPG 25K GRS TIS **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE) (REPLACED 173874, 195522 AFTER 06/16/2018)**	- -
	212381	AXLE 77, 12.25 X 7.5 SPG BRK - 25K **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE) (REPLACED 115704,136203 AFTER 06/16/2018)**	- -
	212383	AXLE 88.5, 12.25 X 7.5 SPG BRK - 25K **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE) (REPLACED 133794 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 **(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 **(I KIT PER BRAKE) (INCLUDES ITEMS 14-23)**	2
14	005-074-00	WASHER D-CAM DEXTER **(ITEM 13 INCLUDES 1 EACH)**	2
15	403149	WASHER RETAINER **(ITEM 13 INCLUDES 2 EACH)**	2
16	113819	CAMSHAFT WASHER 28 SPLINE **(ITEM 13 INCLUDES 1 EACH)**	2
17	408101-001	SPIDER SEALR **(ITEM 13 INCLUDES 2 EACH)**	4
18	405129	SPIDER BUSHING **(ITEM 13 INCLUDES 1 EACH)**	2
19	405999-001	NYLON BUSHING CAM BRKT ASSY **(ITEM 13 INCLUDES 1 EACH)**	2
20	061-003-00	GREASE FITTING-SPIDER DEXTER **(ITEM 13 INCLUDES 1 EACH)**	2
21	214104	CAM LOCK RING **(ITEM 13 INCLUDES 2 EACH)**	2
22	069-078-00	SNAP RING **ITEM 13 INCLUDES 1 EACH)**	2
23	- - - - -	INSTRUCTION SHEET **(NOT SHOWN) (ITEM 13 INCLUDES 1 EACH)**	1
24	034-188-03	CAMSHAFT LH 28SPLINE 22-5/16 **(FOR 115703, 173874, 195522, 212378, 212379)**	1
24	034-189-03	CAMSHAFT RH 28SPLINE 22-5/16 (**FOR 115703, 173874. 195522, 212378, 212379)**	1
24	136991	CAM LH 28 SPLINE 23-3/8 **(FOR 115704, 136203, 212381)**	1
24	136992	CAM RH 28 SPLINE 23-3/8 **(FOR 115704, 136203, 212381)**	1
24	171963	CAMSHAFT LH 28 SPLINE 26-1/2 **(FOR 133794, 212383)**	
24	171964	CAMSHAFT RH 28 SPLINE 26-1/2 **(FOR 133794, 212383)**	
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

ITEM	PART NUMBER	DESCRIPTION	QTY.
28	101849	ABS SENSOR SPRING 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

Table provided for general use.

NOTES:

Axle 12.25 x 7.50 Drum & Hub Components

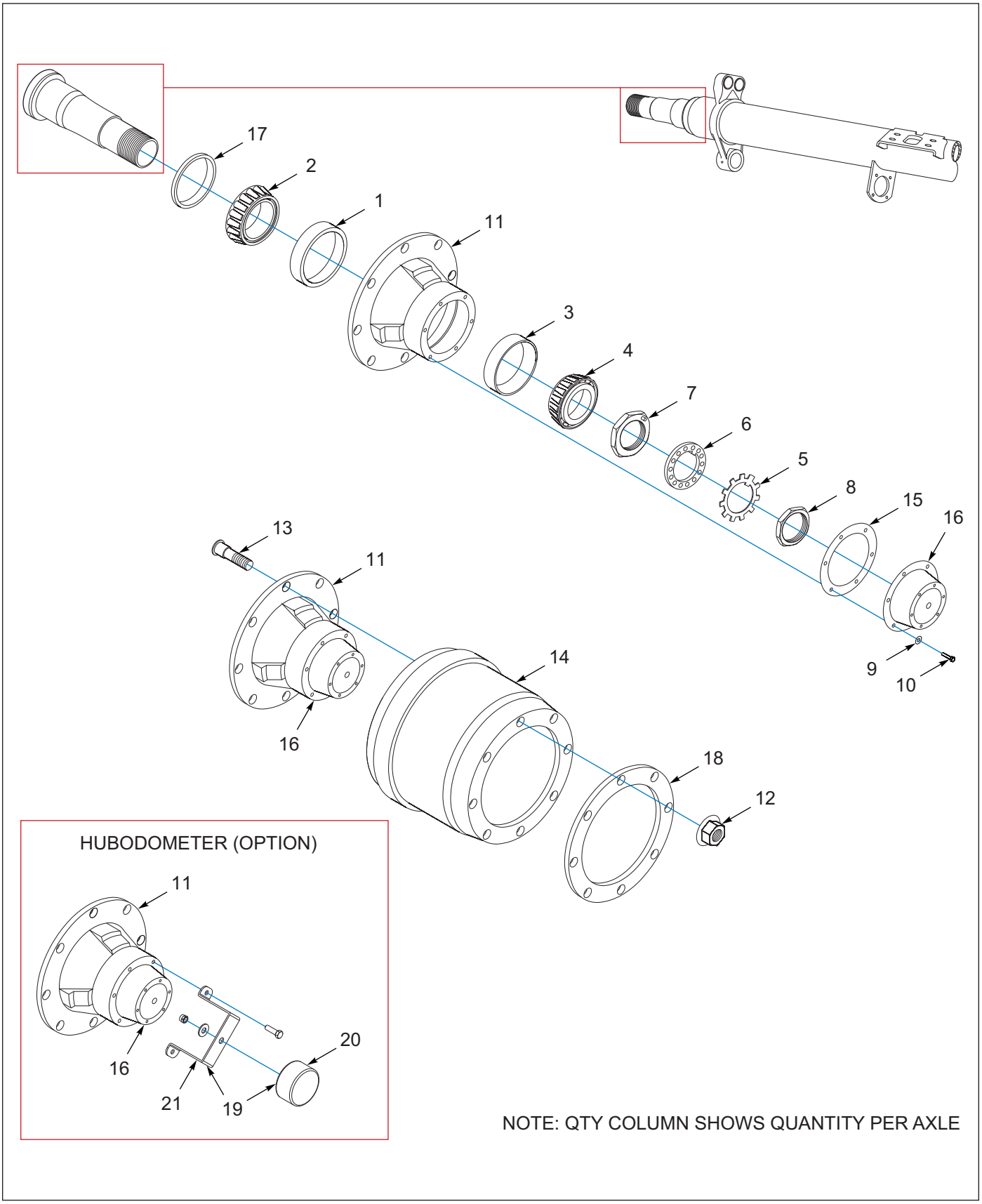


Figure 3-2: Axle 12.25 x 7.50 Drum & Hub Components

Axle 12.25 x 7.50 Drum & Hub Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	- - - - -	AXLE WELDMENT 2512 SPRING **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
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	2
6	105107	LOCK WASHER	2
7	103103-002	INNER SPIN NUT **(3-13/16" SOCKET)**	2
8	006-115-00	NUT OUTER, SPINDLE, DEXTER **(3-1/4" SOCKET)**	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 ITEMS 1, 3, 13 AND 100 TOOTH TONE RING)**	2
12	179933	NUT, HEX M22X1.5 (1.31 HEX) **(1-5/16" SOCKET)**	16
12	179955	NUT,FLANGE MM22X1.5 (1.50HEX) **(1-1/2" SOCKET)**	16
13	101162	STUD - DISC PILOT HOLE WHL **(2.47 STANDOUT) (BEFORE 06/16/2018)**	16
13	113536	STUD RH 22MM 3.5 STANDOUT **(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	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	109214	SPACER,WHEEL 17.5 HUB PILOT **(STEEL SPACER USED BETWEEN INNER AND OUTER WHEELS)**	2
18	114619	WHEEL GUARD 8 HOLE 275MM BC **(NYLON SPACER USED 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 TIS **(OPTION)**	1

Axle 12.25 Disc Brake & Hub Components (Option)

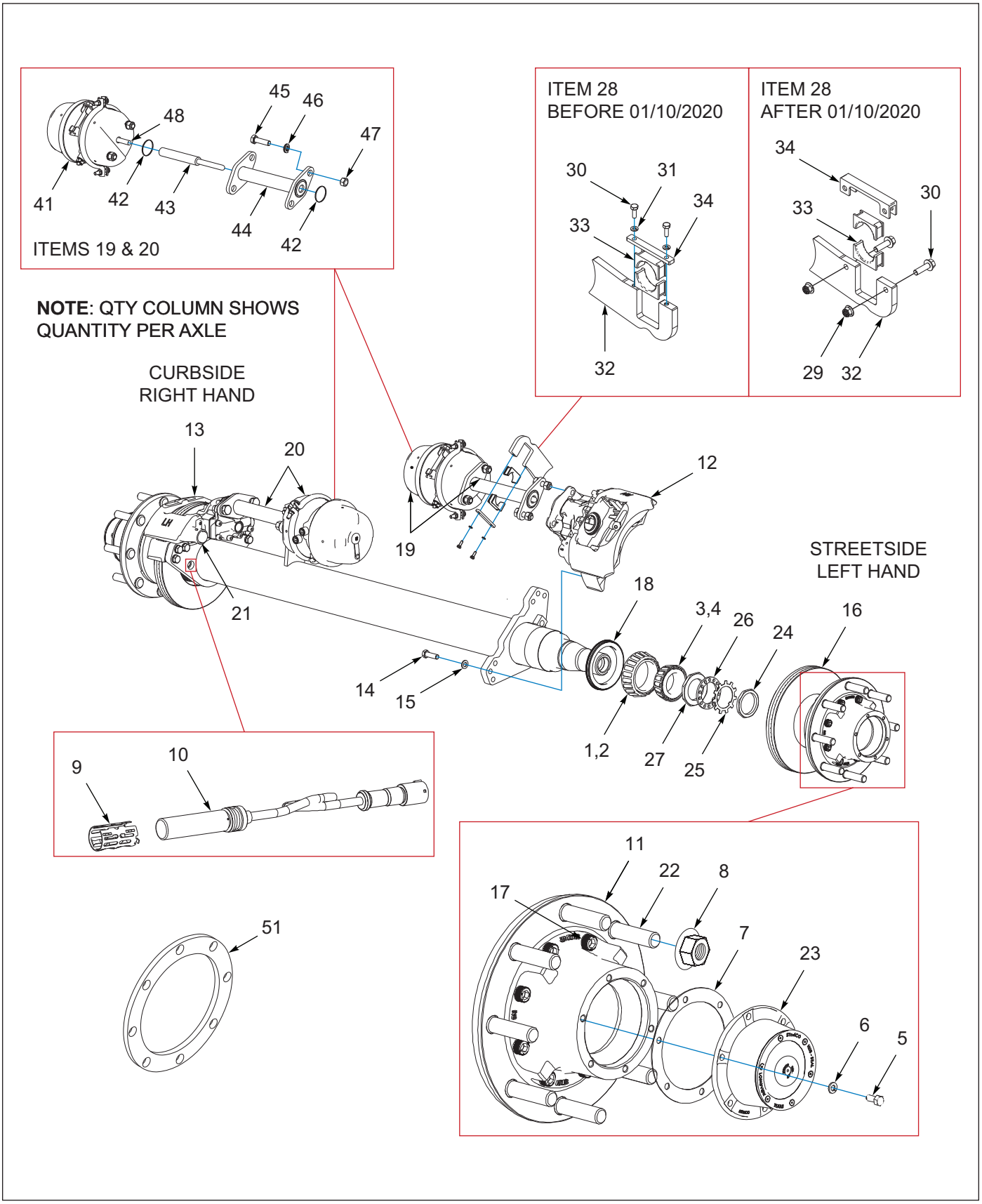
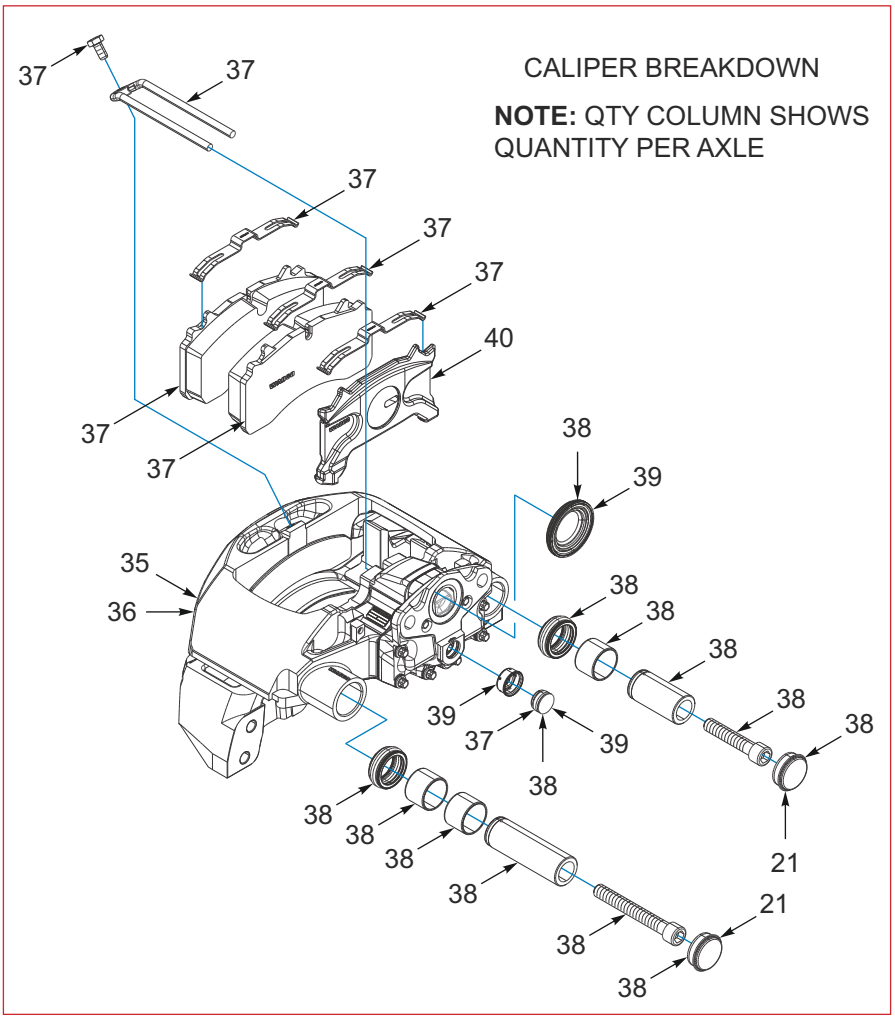


Figure 3-3: Axle 12.25 Disc Brake & Hub Components (Option) (1 of 2)



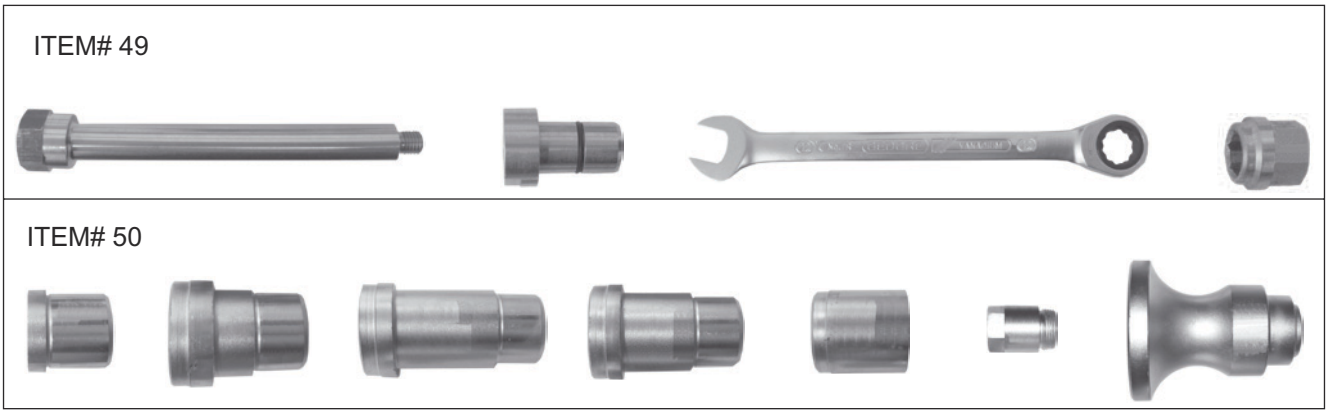


Figure 3-4: Axle 12.25 Disc Brake & Hub Components (Option) (2 of 2)

Axle 12.25 Disc Brake & Hub Components (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	218106	AXLE 12.25 DSC 70.5 25K TIS **(11-1/8") (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
	220658	AXLE 12.25 DSC 77 25K TIS **(14-1/8") (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
	220693	AXLE 12.25 DSC 88-1/2 25K TIS **(14-1/8") (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
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	3067	GASKET HUB **(INCLUDED WITH ITEM 23)**	2
8	179933	NUT, HEX M22X1.5 (1.31 HEX) **(1-5/16" SOCKET)**	16
8	179955	NUT,FLANGE MM22X1.5 (1.50HEX) **(1-1/2" SOCKET)**	16
9	101849	ABS SENSOR SPRING CLIP	2
10	251219	ABS SNSR 0.5M STRAIGHT HALDEX	2
11	223993	HUB DISC PAN17 (NO ROTOR) **(INCLUDES ITEMS 1, 3)**	2
12	223994	CALIPER DISC PAN17 LH **(INCLUDES ITEMS 35, 37-40)**	1
13	223997	CALIPER DISC PAN17 RH **(INCLUDES ITEMS 36-40)**	1
14	223995	BOLT M14-1.5X45MM GR 10.9	12
15	223996	WASHER 14MM SPLIT LOCK	12
16	223998	ROTOR DISC PAN 17.5 (NO HUB)	2
17	224002	BOLT SCHS M14-2X60MM GR 12.9	16
18	224003	SEAL SCOTSEAL F22	2
19	225965	EXT SHAFT ASSY AIR CHAMBER LH **(11-1/8") (INCLUDES ITEMS 41-47)**	1
19	240587	EXT SHAFT ASSY LONG LH **(14-1/8") (INCLUDES ITEMS 41-47)**	1
20	225977	EXT SHAFT ASSY AIR CHAMBER RH **(11-1/8") (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 **(3-1/4" SOCKET)**	2
25	105106	STAR L/W	2
26	105107	LOCK WASHER	2
27	103103-002	INNER SPIN NUT **(3-13/16" SOCKET)**	2
28	225978	SUPPORT BLOCK ASSY **(BEFORE 01/10/2020 - AFTER OBSOLETE) (INCLUDES ITEMS 30-34)**	2
28	231958	SUPPORT BLOCK EXT SHAFT ASSY **(AFTER 01/10/2020) (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 28, 231958)**	4
30	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5 **(BEFORE 01/10/2020) (INCLUDED WITH ITEM 28, 225978)**	4
30	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4 **(AFTER 01/10/2020) (INCLUDED WITH ITEMS 28, 231958)**	4

ITEM	PART NUMBER	DESCRIPTION	QTY.
31	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8 **(BEFORE 01/10/2020) (INCLUDED WITH ITEM 28, 225978)**	4
32	- - - - -	SUPPORT BLOCK **(BEFORE 01/10/2020) (INCLUDED WITH ITEM 28, 225978)**	2
32	223999	SUPPORT BLOCK **(AFTER 01/10/2020) (INCLUDED WITH ITEMS 28, 231958)**	2
33	- - - - -	SPLIT BUSHING **(BEFORE 01/10/2020) (INCLUDED WITH ITEM 28, 225978) (2 PER SUPPORT BLOCK)**	4
33	224000	SPLIT BUSHING **(AFTER 01/10/2020) (INCLUDED WITH ITEMS 28, 231958) (2 PER SUPPORT BLOCK)**	4
34	- - - - -	SUPPORT CAP **(BEFORE 01/10/2020) (INCLUDED WITH ITEM 28, 225978)**	2
34	224001	SUPPORT CAP **(AFTER 01/10/2020) (INCLUDED WITH ITEMS 28, 231958)**	2
35	- - - - -	CALIPER DISC PAN17 LH NO PADS **(INCLUDED WITH ITEM 12)**	1
36	- - - - -	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 12-13)**	1
40	236538	PRESSURE PLT DSCBKCALIPR PAN17 **(INCLUDED WITH ITEMS 12-13) (INCLUDES 1-LH PLATE, 1-RH PLATE)**	1
41	238558	AIR CHAMBER PAN 17 DSC BK **(INCLUDED WITH ITEMS 19-20)**	2
42	238559	O-RING 1-7/8"IDX2-1/8"ODX.139" **(INCLUDED WITH ITEMS 19-20)**	2
43	238560	SHAFT CHAMBER EXT 10.81" ASSY **(11-1/8) (INCLUDED WITH ITEMS 19 - 225965 & 20 - 225977)**	2
43	242701	SHAFT CHAMBR EXTENSION 14-1/8" **(14-1/8") (INCLUDED WITH ITEMS 19 - 240587 & 20 - 240588)**	2
44	238562	EXTENSION TUBE WLDMT 11-1/8" **(11-1/8) (INCLUDED WITH ITEMS 19 - 225965 & 20 - 225977)**	2
44	242700	EXTENSION TUBE WLMT 14-1/8" **(14-1/8) (INCLUDED WITH ITEMS 19 - 240587 & 20 - 240588)**	2
45	238563	SCREW 5/8-12 X 2" UNF **(INCLUDED WITH ITEMS 19-20)**	2
46	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8 **(INCLUDED WITH ITEMS 19-20)**	2
47	238564	NUT JAM 5/8-18 UNF GR8 **(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
51	109214	SPACER,WHEEL 17.5 HUB PILOT **(STEEL SPACER USED BETWEEN INNER AND OUTER WHEELS)**	2
51	114619	WHEEL GUARD 8 HOLE 275MM BC **(NYLON SPACER USED TO SEPARATE STEEL RIM OR DRUM FROM ALUMINUM RIM)**	2

Axle 16.50 x 7.00 Drum Brake Components

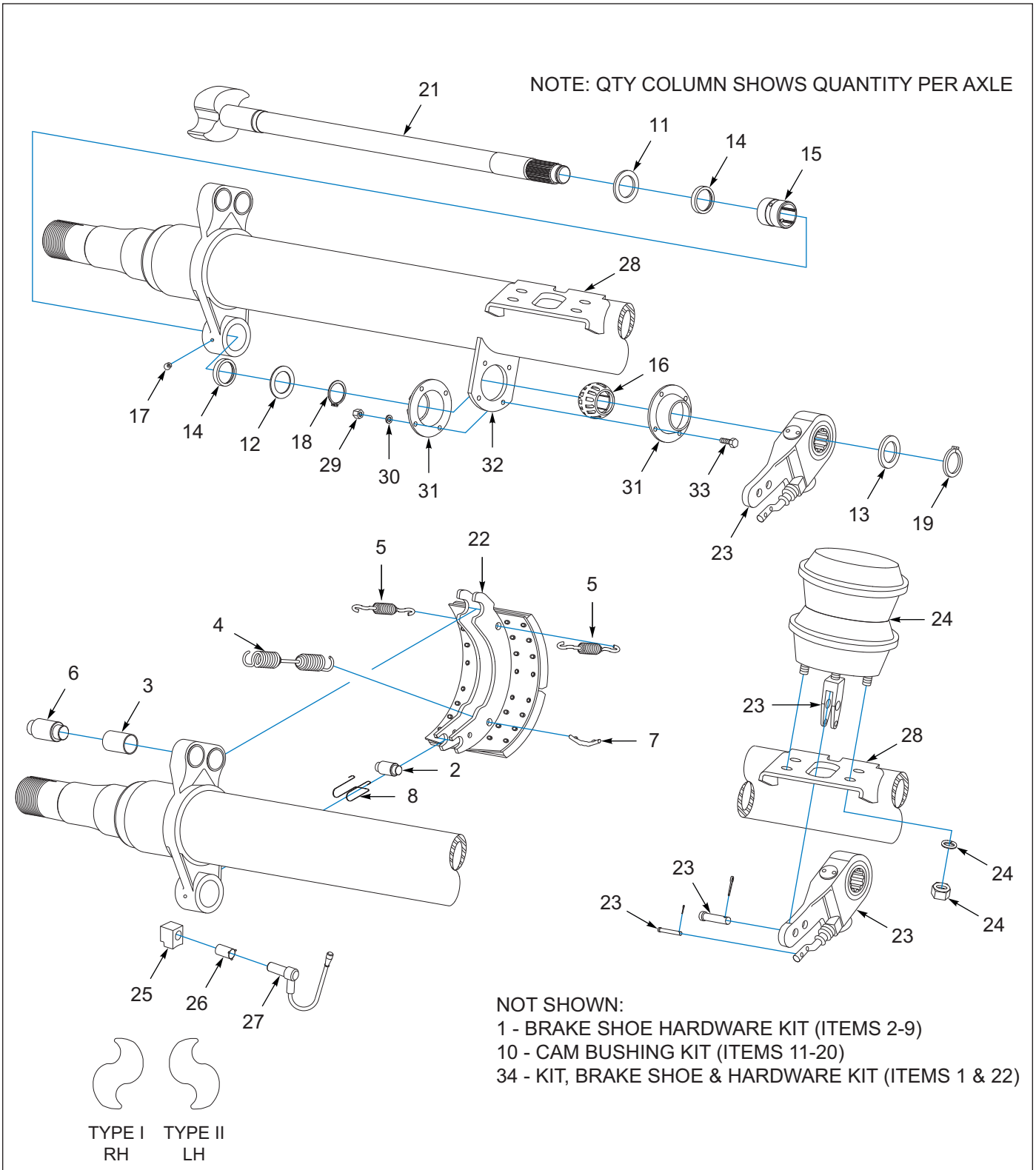


Figure 3-5: Axle 16.50 x 7.00 Drum Brake Components

Axle 16.50 x 7.00 Drum Brake Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212418	AXLE 69, 16.5 X 7 SPG BRK - 25K **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE) (REPLACED 115713, 138203 AFTER 06/16/2018)**	- -
	212421	AXLE 75, 16.5 X 7 SPG BRK - 25K **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE) (REPLACED 115715, 138955 AFTER 06/16/2018)**	- -
	212426	AXLE 87, 16.5 X 7 SPG BRK - 25K **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE) (REPLACED 158538, 172098 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	034-192-05	CAMSHAFT, 22-5/8" LH **(FOR 115713, 138203, 212418)**	1
21	034-193-05	CAMSHAFT, 22-5/8" RH **(FOR 115713, 138203, 212418)**	1
21	137461	CAMSHAFT, 25" LH **(FOR 115715, 138955, 158538, 172098, 212421, 212426)**	1
21	137485	CAMSHAFT, 25" RH **(FOR 115715, 138955, 158538, 172098, 212421, 212426)**	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

ITEM	PART NUMBER	DESCRIPTION	QTY.
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

Table provided for general use.

NOTES:

Axle 16.50 x 7.00 Drum & Hub Components

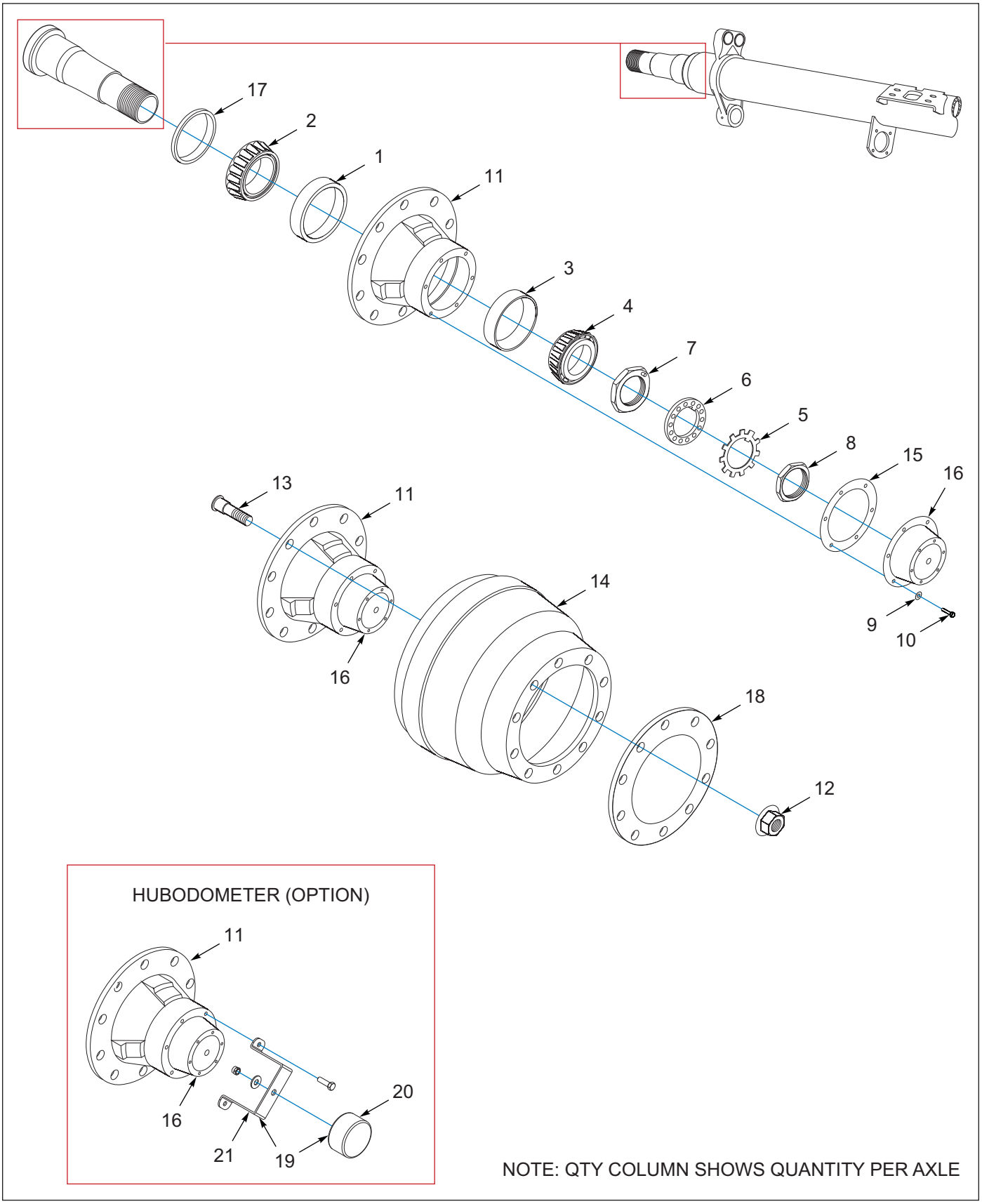


Figure 3-6: Axle Components, 16.50 x 7.00, Drum & Hub

Axle 16.50 x 7.00 Drum & Hub Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	- - - - -	AXLE WELDMENT 2516 SPRING **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
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	2
6	105107	LOCK WASHER	2
7	103103-002	INNER SPIN NUT **(3-13/16" SOCKET)**	2
8	006-115-00	NUT OUTER, SPINDLE, DEXTER **(3-1/4" SOCKET)**	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) (FLANGE NUTS & STUDS SOLD SEPARATELY)**	2
12	179933	NUT, HEX M22X1.5 (1.31 HEX) **(1-5/16" SOCKET)**	20
12	179955	NUT,FLANGE MM22X1.5 (1.50HEX) **(1-1/2" SOCKET)**	20
13	101162	STUD - DISC PILOT HOLE WHL **(2.47 STANDOUT) (BEFORE 06/16/2018)**	20
13	113536	STUD RH 22MM 3.5 STANDOUT **(3.5 STANDOUT) (AFTER 06/16/2018 - UNIVERSAL, STEEL / ALUMINUM WHEELS)**	20
14	110976	DRUM FOR 103781	2
15	3067	GASKET HUB	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 20-21)**	1
20	113109	HUBODOMETER 572 RPM	1
21	197606	BRACKET HUBODOMETER 4"H TIS	1

Axle 16.50 Disc Brake & Hub Components (Option)

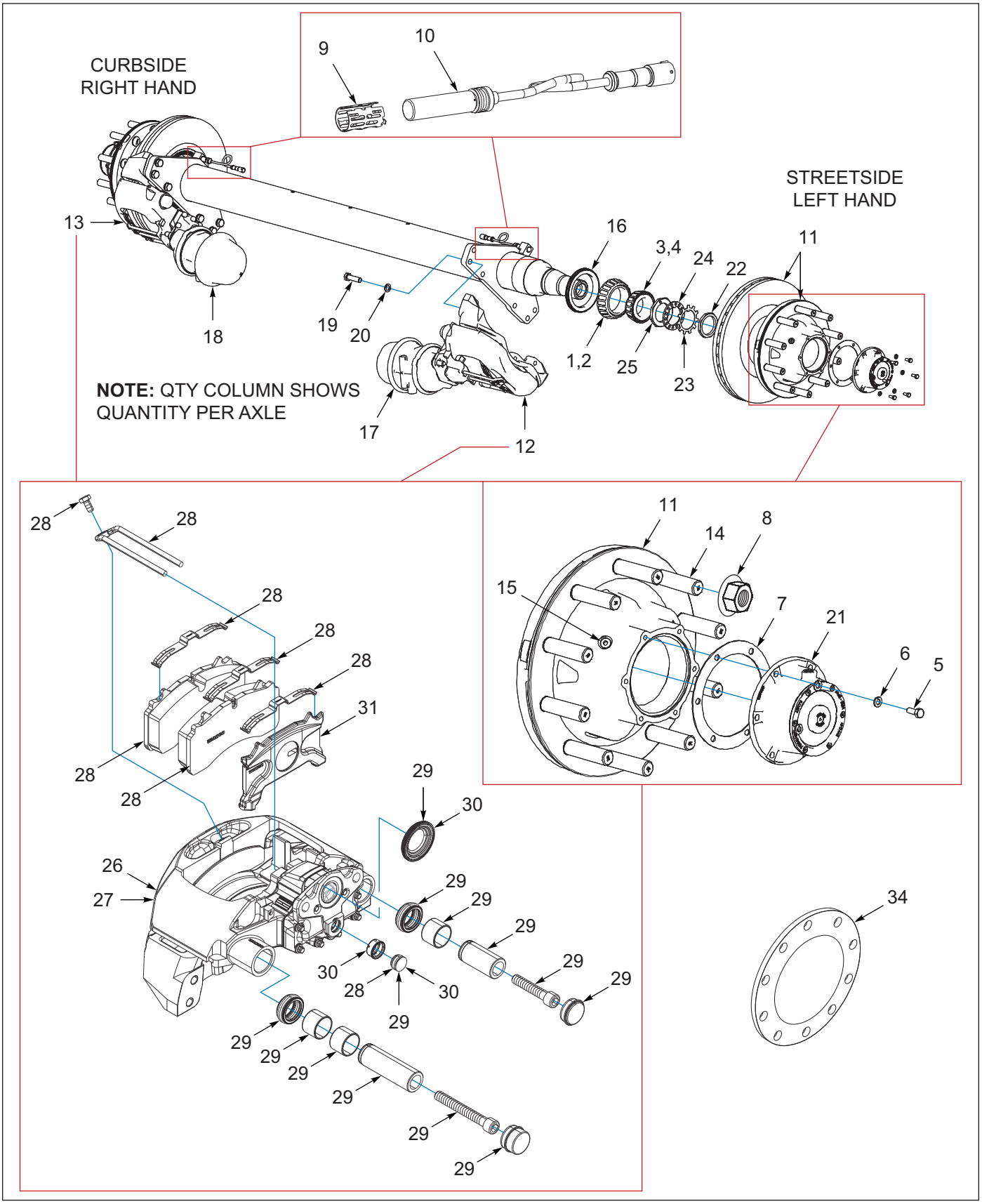


Figure 3-7: Axle 16.50 Disc Brake & Hub Components (Option) (1 of 2)

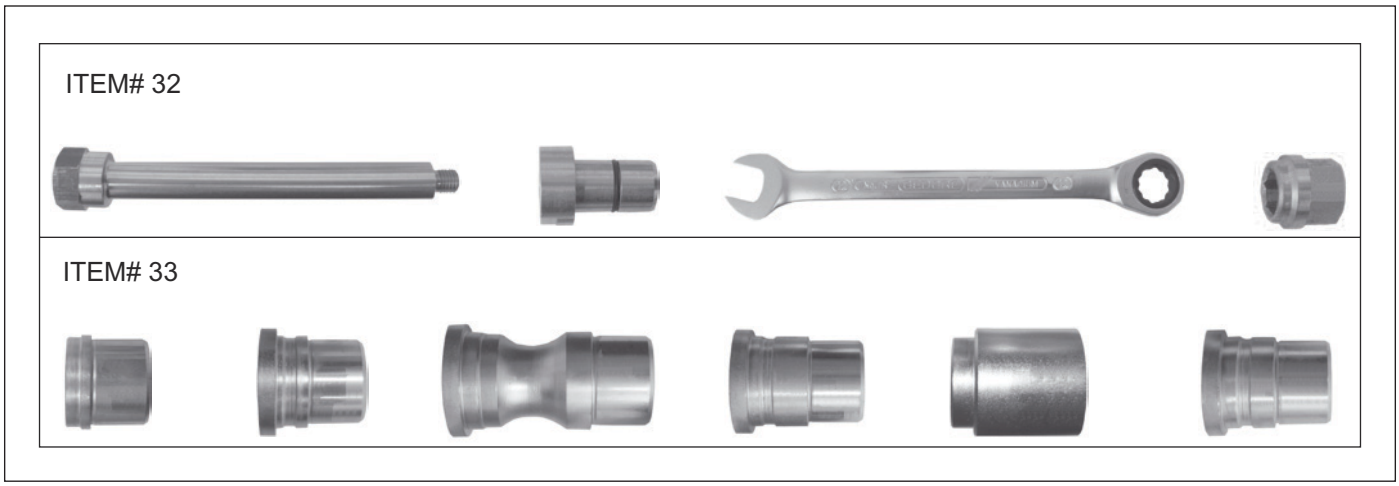


Figure 3-8: Axle 16.50 Disc Brake & Hub Components (Option) (2 of 2)

Axle 16.50 Disc Brake & Hub Components (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	228027	AXLE 69 PAN 22 DISC 25K TIS **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
	228029	AXLE 75 PAN 22 DISC 25K TIS **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
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	3067	GASKET HUB	2
8	179933	NUT, HEX M22X1.5 (1.31 HEX) **(1-5/16" SOCKET)**	20
8	179955	NUT,FLANGE MM22X1.5 (1.50HEX) **(1-1/2" SOCKET)**	20
9	101849	ABS SENSOR SPRING CLIP	2
10	251219	ABS SNSR 0.5M STRAIGHT HALDEX	2
11	235222	HUB/ROTOR ASSY PAN22 DSC **(ROTOR & MOUNT BOLTS ONLY, ORDER 236496)**	2
12	236498	CALIPER PAN22 LH ADB **(INCLUDES ITEMS 26, 28-31)**	1
13	236499	CALIPER RAN22 RH ADB **(INCLUDES ITEMS 27-31)**	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 **(OIL CAP INCLUDES VENT PLUG AND ITEM 7)**	2
22	006-115-00	NUT OUTER, SPINDLE, DEXTER **(3-1/4" SOCKET)**	2
23	105106	STAR WASHER	2
24	153366	SPINDLE WASHER	2
25	103103-002	INNER SPIN NUT **(3-13/16" SOCKET)**	2
26	238554	CALIPER DISC PAN22 LH NO PADS **(INCLUDED WITH ITEM 12)**	1
27	238555	CALIPER DISC PAN22 RH NO PADS **(INCLUDED WITH ITEM 13)**	1

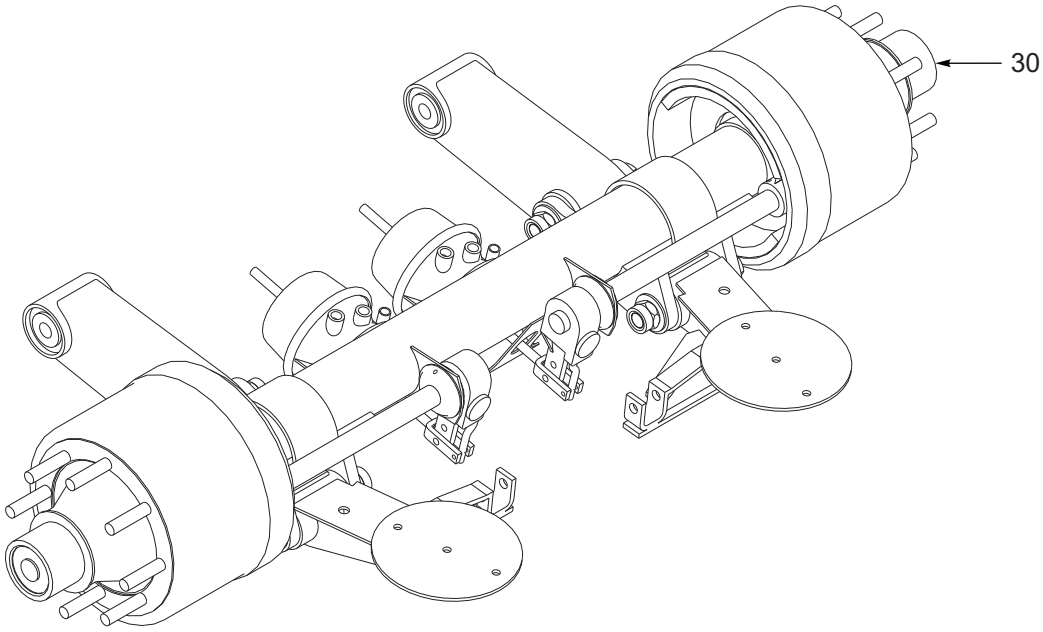
ITEM	PART NUMBER	DESCRIPTION	QTY.
28	235221	PAD KIT PAN22 DSC 1AX **(1 KIT PER AXLE) (INCLUDED WITH ITEMS 12-13)**	1
29	238556	GUIDE BOLT & SEAL KIT PAN22 **(PER CALIPER) (INCLUDED WITH ITEMS 12-13)**	1
30	236537	SEAL KIT CLAMPING UNIT **(PER CALIPER) (INCLUDED WITH ITEMS 12-13)**	1
31	238557	PRESSURE PLT DSCBKCALIPRPAN22 **(INCLUDED WITH ITEMS 12-13) (INCLUDES 1-LH PLATE, 1-RH PLATE)**	1
32	236504	TOOL KIT PAN 17/19/22 BASIC	1
33	236503	TOOL KIT PAN19/22 ADDITIONAL	1
34	3-870-010107	WHEEL-GUARD,10STD 285.75MM BC **(NYLON SPACER USED TO SEPARATE STEEL RIM OR DRUM FROM ALUMINUM RIM)**	2
34	123882	SPACER,WHEEL,375X10HOLE HUB **(STEEL SPACER) (SPECIAL MODELS ONLY)**	2

Table provided for general use.

NOTES:

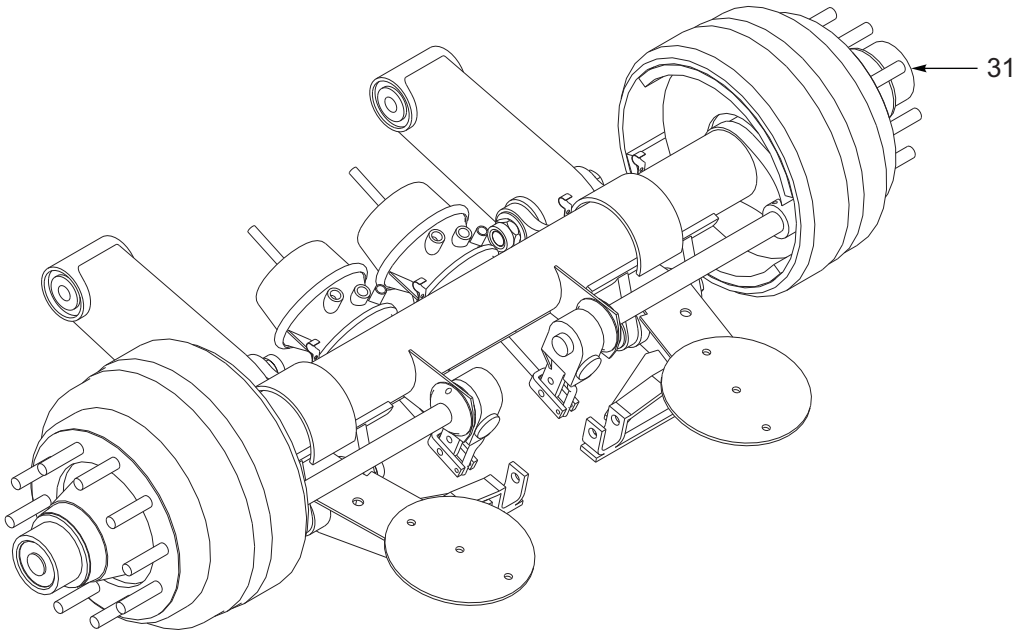
Axle Suspension, RLU-228, 12.25 & 16.5

IMPORTANT: When ordering a complete Axle & Beam Assembly, call and provide the Trailer VIN Number to identify the proper replacement.



View of RLU-228-3.5, 12.25 x 7.5 Drum Brakes

IMPORTANT: When ordering a complete Axle & Beam Assembly, call and provide the Trailer VIN Number to identify the proper replacement.



View of RLU-228-5.5, 16.5 x 7 Drum Brakes

Figure 3-9: Axle Suspension, RLU-228, 12.25 & 16.5 (1 of 2)

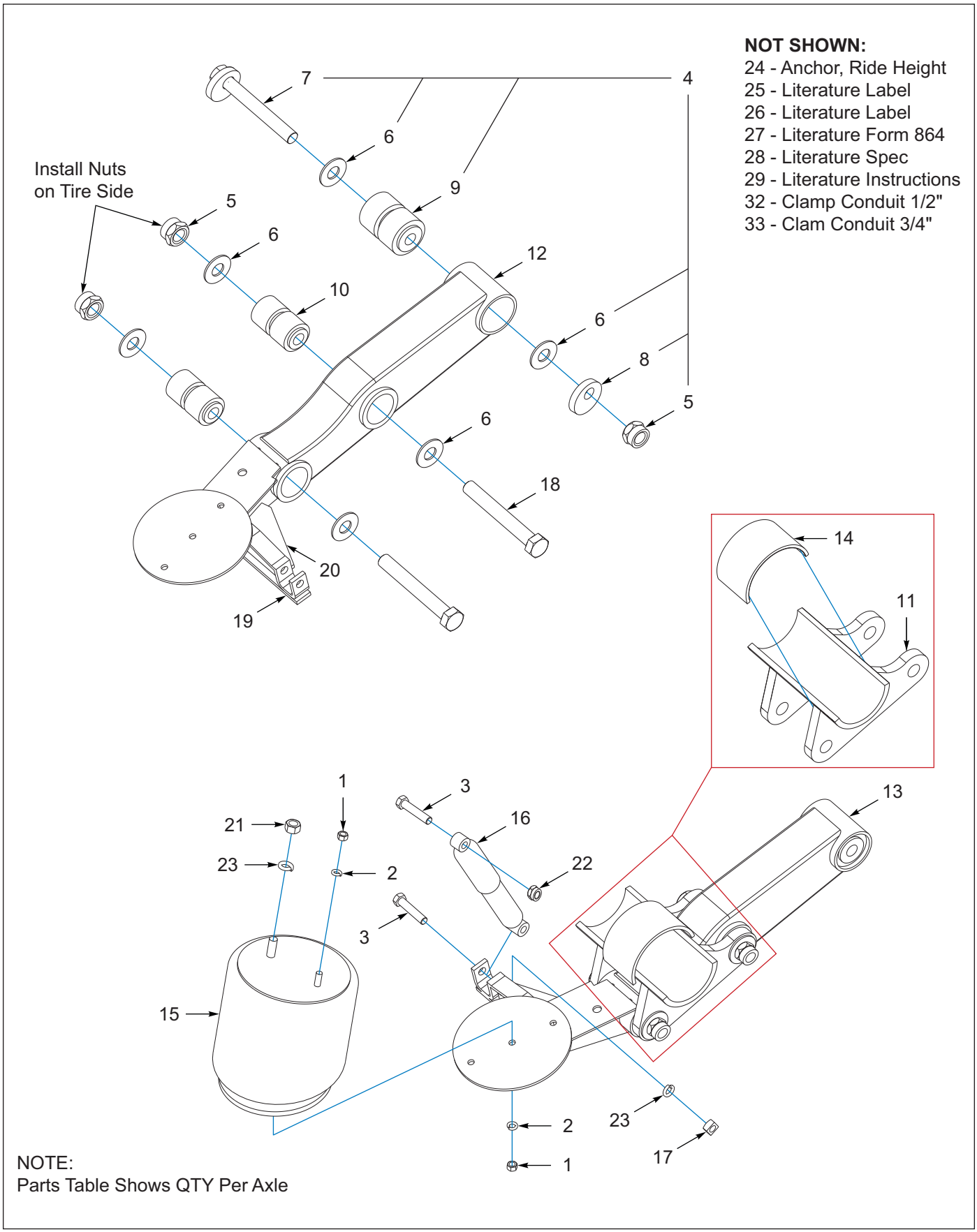


Figure 3-10: Axle Suspension, RLU-228, 12.25 & 16.5 (2 of 2)

Axle Suspension, RLU-228, 12.25 & 16.5

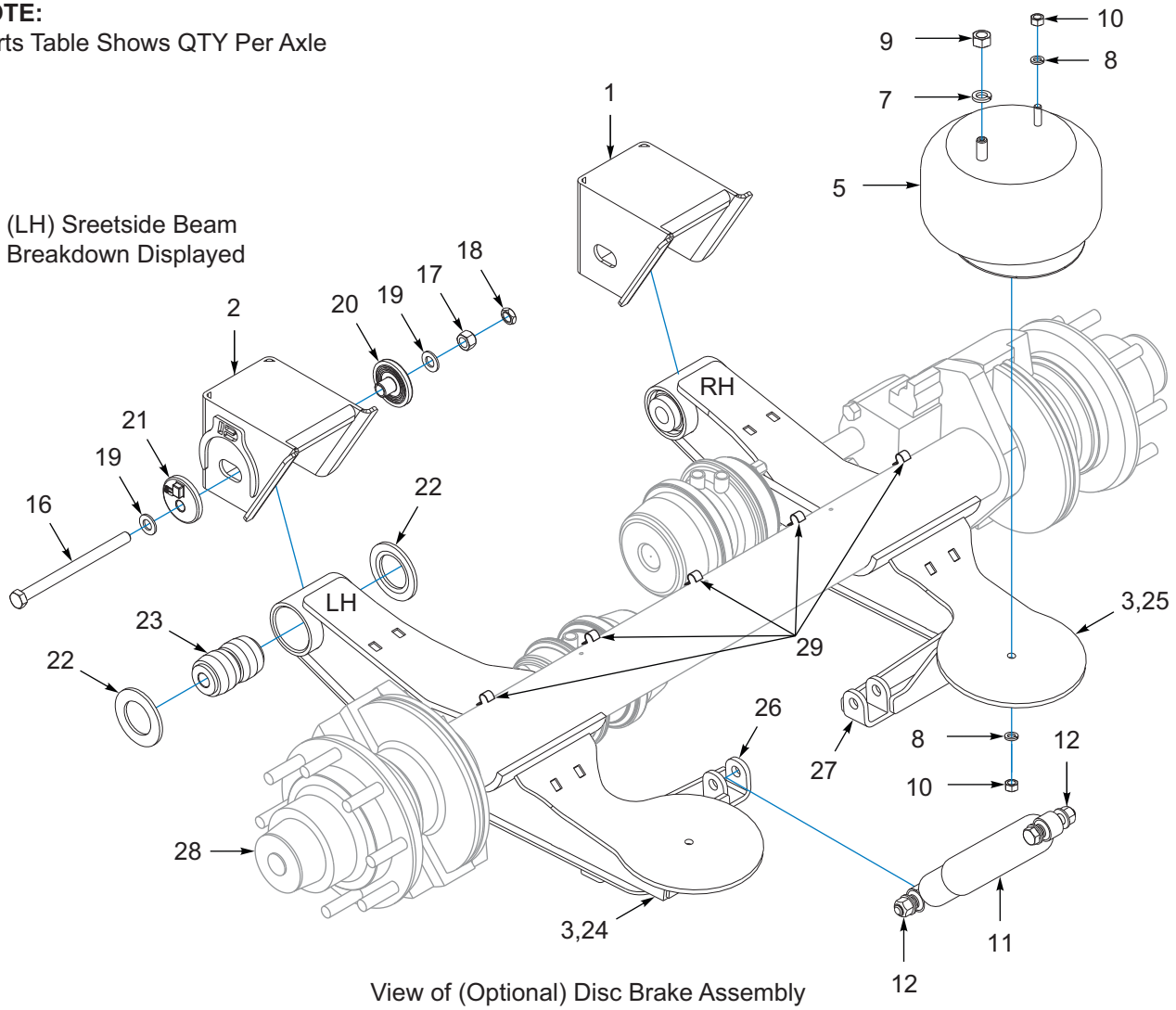
ITEM	PART NUMBER	DESCRIPTION	QTY.
	102361	SUSPENSION,BEAM RLU-228 **(INCLUDES ITEMS 5-6, 9-14, 18-20)**	- -
	102363	SUSPENSION,ADJ RLU-228-3.5 **(12.25 X 7.5 BRAKES) (INCLUDES ITEMS 1-9, 15-17, 18-29)**	- -
	102364	SUSPENSION,ADJ RLU-228-5.5 **(16.5 X 7 BRAKES) (INCLUDES ITEMS 1-9, 15-17, 18-29)**	- -
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 **(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	905-57-129	SPRING AIR BAG AR-45 **(12.25 X 7.5 BRAKES)**	2
15	111016	AIR SPRING NEWAY 90557159 **(16.5 X 7 BRAKES)**	2
16	900 45 040	SHOCK ABSORBER AR93 **(12.25 X 7.5 BRAKES) (SHOCK STRAP -SEE PAGE 3-33)**	2
16	111017	SHOCK NEWAY 90044642 **(16.5 X 7 BRAKES) (SHOCK STRAP - SEE PAGE 3-34)**	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	6
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
30	- - - - -	AXLE & BEAM ASSEMBLY **(12.25 X 7.5 BRAKES) (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -

ITEM	PART NUMBER	DESCRIPTION	QTY.
31	- - - - -	AXLE & BEAM ASSEMBLY **(16.5 X 7 BRAKES)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
32	3-181-010034-1	CLAMP CONDUIT STEEL 1/2 **(NOT SHOWN)**	6
33	3-181-010034-2	CLAMP CONDUIT STEEL 3/4 **(NOT SHOWN)**	4

Axle Suspension, LSS-25K-3.5 RLU, 12.25 (Before 10/01/2024)

IMPORTANT: When ordering a complete Axle & Beam Assembly, call and provide the Trailer VIN Number to identify the proper replacement.

NOTE:
Parts Table Shows QTY Per Axle



View of (Optional) Disc Brake Assembly

NOT SHOWN:
4 - Susp Fastener Kit (Items 5-12, 14)
6 - Air Spring Hardware Kit (Items 7-10)
13 - Pivot Hdware W/ Bushing (Items 16-23)
14 - Pivot Hdware WO/ Bushing (Items 16-22)
15 - Pivot Hdware (Items 16-20)

Figure 3-11: Axle Suspension, LSS-25K-3.5RLU, 12.25 (Before 10/01/2024)

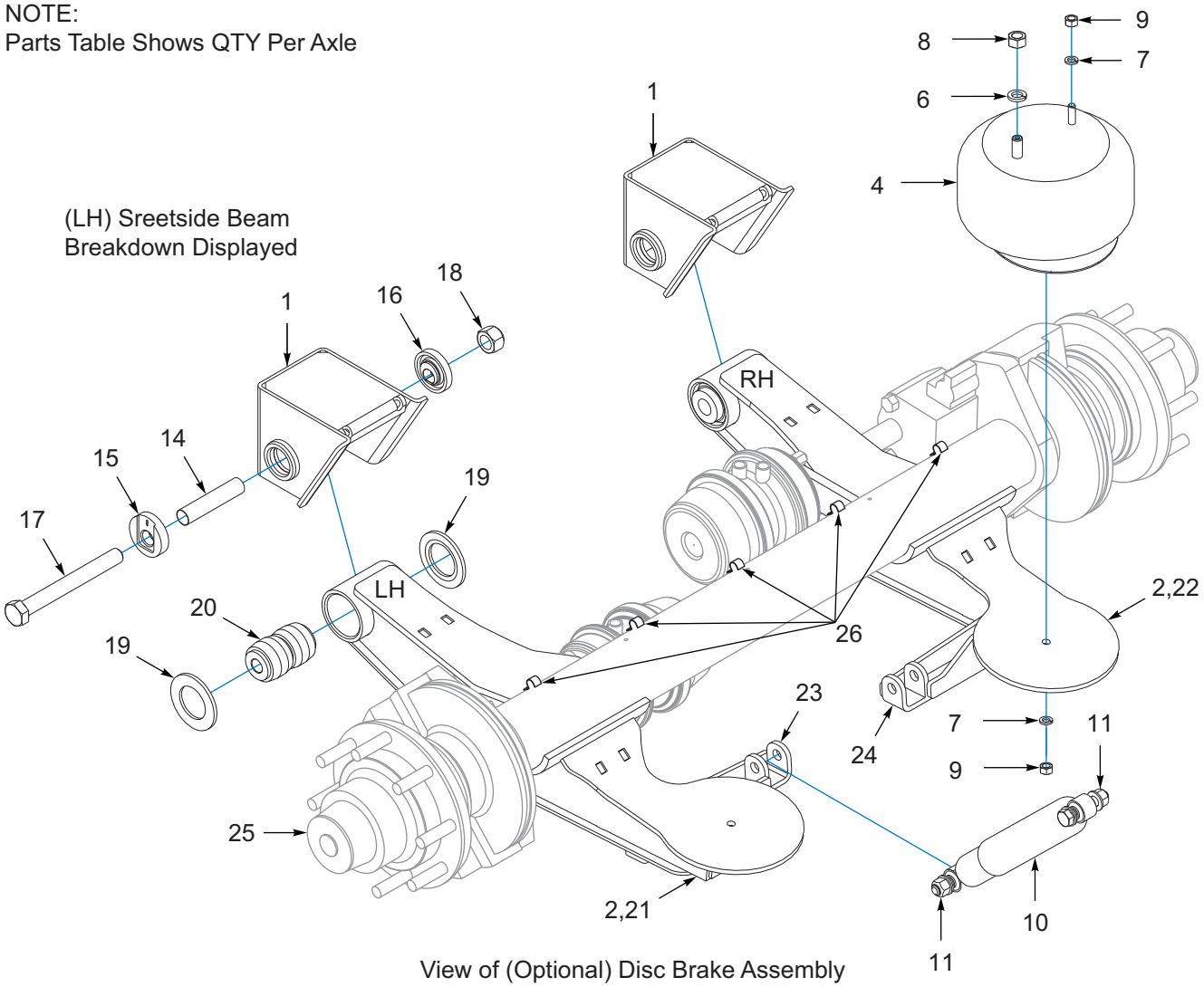
Axle Suspension, LSS-25K-3.5 RLU, 12.25 (Before 10/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	- - - - -	AXLE WELDMENT 2512 DISC **(DISC BRAKE OPTION)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
1	218068	FRAME BRKT RH LSS-25K SUSP	1
2	218070	FRAME BRKT LH LSS-25K SUSP	1
3	218075	SUSPENSION BEAMS LSS-25K **(INCLUDES ITEMS 23-27)**	1
4	218079	SUSP FASTNER KIT 25K-3.5RLU **(INCLUDES ITEMS 5-12, 14)**	1
5	225962	AIR SPRING F/S W01-358-9307 **(INCLUDED WITH ITEM 4)**	2
6	225963	HARDWARE KIT AIR SPRING **(INCLUDED WITH ITEM 4)** **(INCLUDES ITEMS 7-10)**	2
7	- - - - -	LOCK WASHER 3/4" **(INCLUDED WITH ITEM 6)**	1
8	- - - - -	LOCK WASHER 1/2" **(INCLUDED WITH ITEM 6)**	2
9	- - - - -	NUT 3/4-16UNF **(INCLUDED WITH ITEM 6)**	1
10	- - - - -	NUT 1/2-13UNC **(INCLUDED WITH ITEM 6)**	2
11	225955	SHOCK ABSORBER M85323 **(INCLUDED WITH ITEM 4)** **(SHOCK STRAP - SEE PAGE 3-35)**	2
12	225956	HARDWARE KIT M85323 SHOCK **(INCLUDED WITH ITEM 4)** **(INCLUDES 2 BOLTS, 2 NUTS, 4 WASHERS)**	2
13	225970	PIVOT HARDWARE KIT W/BUSHING **(INCLUDES ITEMS 16-23)**	2
14	225969	PIVOT HARDWARE KIT LSS-25K **(INCLUDED WITH ITEM 4)** **(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 WITH ITEMS 13, 14, 15)**	1
17	231924	NUT, 7/8-14UNF-2B CLASS C LOCK **(INCLUDED WITH ITEMS 13, 14, 15)**	1
18	2J084	NUT HEX JAM 7/8-14 ZP **(INCLUDED WITH ITEMS 13, 14, 15)**	2
19	231925	WASHER, 7/8 ID **(INCLUDED WITH ITEMS 13, 14, 15)**	1
20	231926	PLAIN PIVOT CLAMP **(INCLUDED WITH ITEMS 13, 14)**	1
21	231927	ECCENTRIC PIVOT CLAMP **(INCLUDED WITH ITEMS 13, 14)**	1
22	225958	BEAM SPACER LSS-25K **(INCLUDED WITH ITEMS 13, 14, 15)**	2
23	225960	PIVOT BUSHING SHORT LSS-25K **(INCLUDED WITH ITEMS 3, 13, 24-25)**	1
24	225953	SUSP BEAM LH ASSY W/ BUSHING **(INCLUDES ITEMS 23, 26)** **(INCLUDED WITH ITEM 3)**	1
25	225954	SUSP BEAM RH ASSY W/ BUSHING **(INCLUDES ITEMS 23, 27)** **(INCLUDED WITH ITEM 3)**	1
26	230611	SHOCK WLDMT LH LSS-25K **(INCLUDED WITH ITEMS 3, 24)**	1
27	230612	SHOCK MT WLDMT RH LSS-25K **(INCLUDED WITH ITEMS 3, 25)**	1
28	- - - - -	AXLE & BEAM ASSEMBLY **(12.25 DISC BRAKES, OPTION)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
29	3-181-010034-1	CLAMP CONDUIT STEEL 1/2	5

Axle Suspension, LSS-25K-3.5 RLU CC, 12.25 (After 10/01/2024)

IMPORTANT: When ordering a complete Axle & Beam Assembly, call and provide the Trailer VIN Number to identify the proper replacement.

NOTE:
Parts Table Shows QTY Per Axle



View of (Optional) Disc Brake Assembly

NOT SHOWN:
3 - Susp Fastener Kit (Items 4-11, 13)
5 - Air Spring Hardware Kit (Items 6-9)
12 - Pivot Hdware W/ Bushing (Items 14-20)
13 - Pivot Hdware WO/ Bushing (Items 14-19)

Figure 3-12: Axle Suspension, LSS-25K-3.5RLU CC, 12.25 (After 10/01/2024)

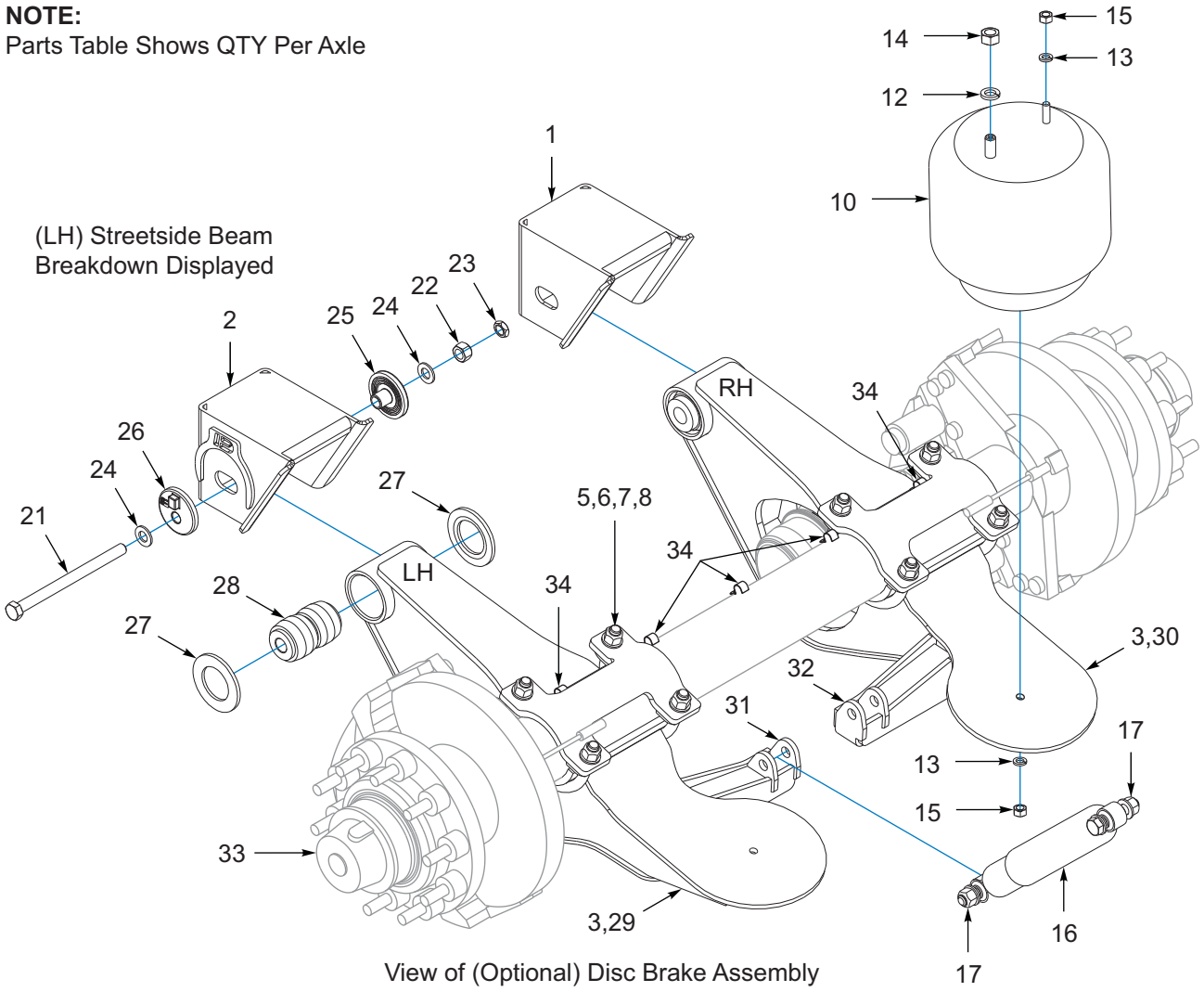
Axle Suspension, LSS-25K-3.5 RLU CC, 12.25 (After 10/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	- - - - -	AXLE WELDMENT 2512 DISC **(DISC BRAKE OPTION)** (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)	- -
1	250814	FRM BRCKT LSS 25K CAM COLLAR	2
2	218075	SUSPENSION BEAMS LSS-25K **(INCLUDES ITEMS 20-24)**	1
3	250860	SUSP FSTNR KIT 25K-3.5RLU CC **(INCLUDES ITEMS 4-11, 13)**	1
4	225962	AIR SPRING F/S W01-358-9307 **(INCLUDED WITH ITEM 3)**	2
5	225963	HARDWARE KIT AIR SPRING **(INCLUDED WITH ITEM 3)** (INCLUDES ITEMS 6-9)	2
6	- - - - -	LOCK WASHER 3/4" **(INCLUDED WITH ITEM 5)**	1
7	- - - - -	LOCK WASHER 1/2" **(INCLUDED WITH ITEM 5)**	2
8	- - - - -	NUT 3/4-16UNF **(INCLUDED WITH ITEM 5)**	1
9	- - - - -	NUT 1/2-13UNC **(INCLUDED WITH ITEM 5)**	2
10	225955	SHOCK ABSORBER M85323 **(INCLUDED WITH ITEM 3)** **(SHOCK STRAP - SEE PAGE 3-35)**	2
11	225956	HARDWARE KIT M85323 SHOCK **(INCLUDED WITH ITEM 3)** **(INCLUDES 2 BOLTS, 2 NUTS, 4 WASHERS)**	2
12	250866	PIVOT HDWR KIT CC W/BUSHING **(INCLUDES ITEMS 14-20)**	2
13	251169	PIVOT BOLT KIT DEX CC 2 AX **(INCLUDED WITH ITEM 3)** **(INCLUDES ITEMS 14-19)**	2
14	252300	PIVOT BOLT SLEEVE **(INCLUDED WITH ITEMS 12-13)**	1
15	252309	ECCENTRIC, CC, HEAD SIDE **(INCLUDED WITH ITEMS 12-13)**	1
16	252310	ECCENTRIC, CC, NUT SIDE **(INCLUDED WITH ITEMS 12-13)**	1
17	252311	BOLT, PIVOT, CC, RLU **(INCLUDED WITH ITEMS 12-13)**	1
18	252312	NUT, LOCKING, CC DEX **(INCLUDED WITH ITEMS 12-13)**	1
19	225958	BEAM SPACER LSS-25K **(INCLUDED WITH ITEMS 12-13)**	2
20	225960	PIVOT BUSHING SHORT LSS-25K **(INCLUDED WITH ITEMS 12)** **(INCLUDED WITH ITEMS 2, 12, 21-22)**	1
21	225953	SUSP BEAM LH ASSY W/ BUSHING **(INCLUDES ITEMS 20, 23)** **(INCLUDED WITH ITEM 3)**	1
22	225954	SUSP BEAM RH ASSY W/ BUSHING **(INCLUDES ITEMS 20,24)** **(INCLUDED WITH ITEM 3)**	1
23	230611	SHOCK WLDMT LH LSS-25K **(INCLUDED WITH ITEMS 2, 21)**	1
24	230612	SHOCK MT WLDMT RH LSS-25K **(INCLUDED WITH ITEMS 2, 22)**	1
25	- - - - -	AXLE & BEAM ASSEMBLY **(12.25 DISC BRAKES, OPTION)** (VIN / NIV REQUIRED, CALL FOR ASSISTANCE)	- -
26	3-181-010034-1	CLAMP CONDUIT STEEL 1/2	5

Axle Suspension, LSS-25K-5.5 RLU, 16.5 (Before 10/01/2024)

IMPORTANT: When ordering a complete Axle & Beam Assembly, call and provide the Trailer VIN Number to identify the proper replacement.

NOTE:
Parts Table Shows QTY Per Axle



View of (Optional) Disc Brake Assembly

NOT SHOWN:
4 - U-Bolt Kit (Items 5-8)
9 - Susp Fastener Kit (Items 10-17, 19)
11 - Air Spring Hardware Kit (Items 12-15)
18 - Pivot Hdware W/ Bushing (Items 21-28)
19 - Pivot Hdware WO/ Bushing (Items 21-27)
20 - Pivot Hdware (Items 21-26)

Figure 3-13: Axle Suspension, LSS-25K-5.5 RLU, 16.5 (Before 10/01/2024)

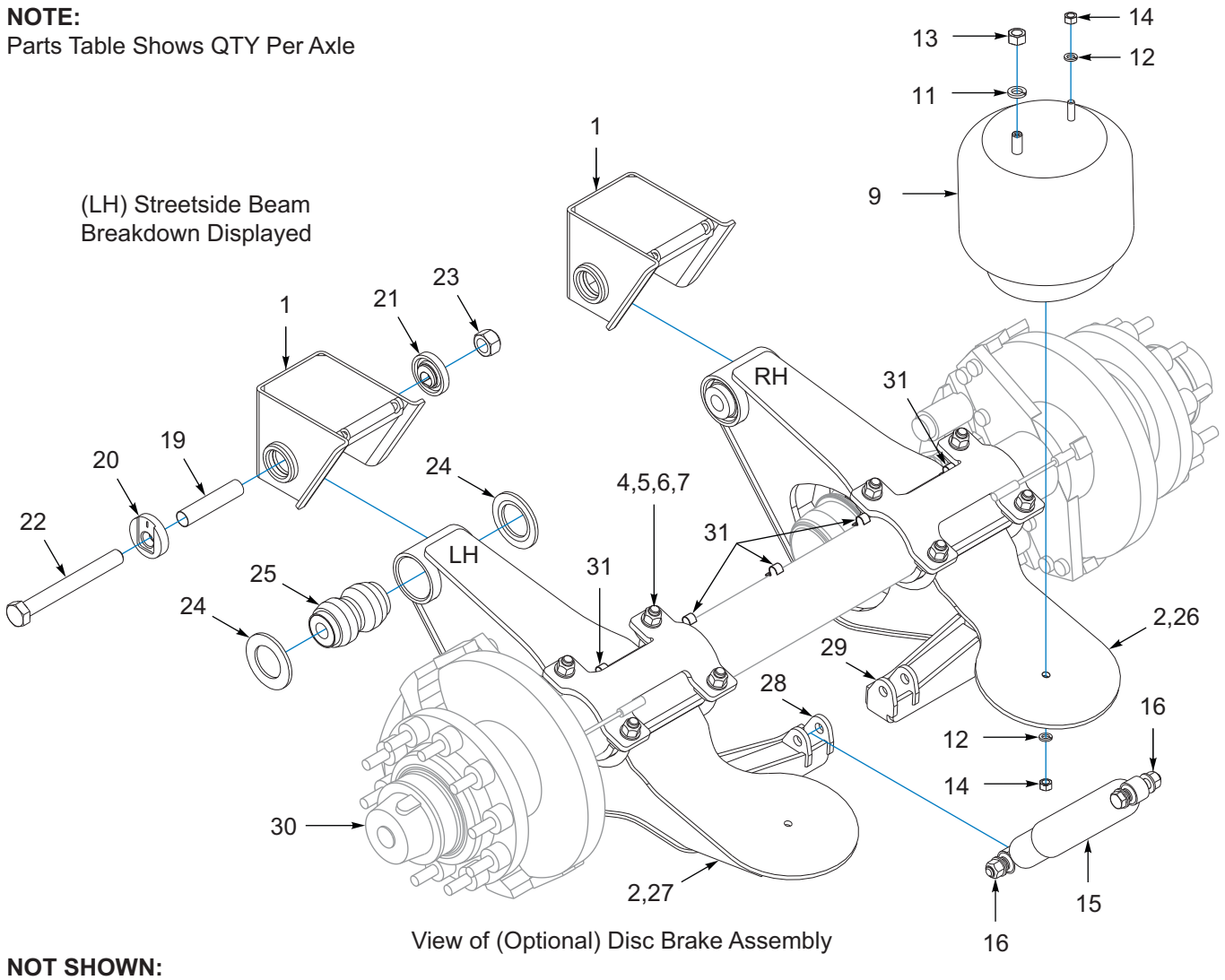
Axle Suspension, LSS-25K-5.5 RLU, 16.5 (Before 10/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	- - - - -	AXLE WLDMT 2516 DISC **(DISK BRAKE OPTION)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
1	218068	FRAME BRKT RH LSS-25K SUSP	1
2	218070	FRAME BRKT LH LSS-25K SUSP	1
3	226048	SUSPENSION BEAMS 25K-05_5RLU **(INCLUDES ITEMS 4, 28-32)**	1
4	238565	U-BOLT KIT, LSS-25K-xxRLU/RLY **(SET OF 2)** **(INCLUDED WITH ITEM 3)** **(INCLUDES ITEMS 5-8)**	1
5	- - - - -	WASHER, 3/4 ID **(INCLUDED WITH ITEM 4)**	8
6	- - - - -	LOCK NUT, 3/4-16UNF-2B **(INCLUDED WITH ITEM 4)**	8
7	- - - - -	U-BOLT CLAMP WELDMENT **(INCLUDED WITH ITEM 4)**	4
8	- - - - -	U-BOLT, 3/4-16UNF GR8 **(INCLUDED WITH ITEM 4)**	4
9	226049	SUSP FASTNER KIT 25K-05_5RLU **(INCLUDES ITEMS 10-17, 19)**	1
10	235294	AIR SPRING DEXTER 5.5RLU **(INCLUDED WITH ITEM 9)**	2
11	225963	HARDWARE KIT AIR SPRING **(INCLUDED WITH ITEM 9)** **(INCLUDES ITEMS 12-15)**	2
12	- - - - -	LOCK WASHER 3/4" **(INCLUDED WITH ITEM 11)**	1
13	- - - - -	LOCK WASHER 1/2" **(INCLUDED WITH ITEM 11)**	2
14	- - - - -	NUT 3/4-16UNF **(INCLUDED WITH ITEM 11)**	1
15	- - - - -	NUT 3/4-16UNF **(INCLUDED WITH ITEM 11)**	2
16	242755	SHOCK ABSORBER DEXTER 5.8" **(INCLUDED WITH ITEM 9)** **(SHOCK STRAP - SEE PAGE 3-36)**	2
17	225956	HARDWARE KIT M85323 SHOCK **(INCLUDED WITH ITEM 9)** **(INCLUDES 2 BOLTS, 2 NUTS, 4 WASHERS)**	2
18	225970	PIVOT HARDWARE KIT W/BUSHING **(INCLUDES ITEMS 21-28)**	2
19	225969	PIVOT HARDWARE KIT LSS-25K **(INCLUDED IN ITEM 9)** **(INCLUDES ITEMS 21-27)**	2
20	231928	PIVOT HARDWARE KIT-7/8" EC CLR **(INCLUDES ITEMS 21-26)**	2
21	231923	SCREW, HEX 7/8-14UNF-2AX9 GR8 **(INCLUDED WITH ITEMS 18, 19, 20)**	1
22	231924	NUT, 7/8-14UNF-2B CLASS C LOCK **(INCLUDED WITH ITEMS 18, 19, 20)**	1
23	2J084	NUT HEX JAM 7/8-14 ZP **(INCLUDED WITH ITEMS 18, 19, 20)**	2
24	231925	WASHER, 7/8 ID **(INCLUDED WITH ITEMS 18, 19, 20)**	1
25	231926	PLAIN PIVOT CLAMP **(INCLUDED WITH ITEMS 18, 19)**	1
26	231927	ECCENTRIC PIVOT CLAMP **(INCLUDED WITH ITEMS 18, 19)**	1
27	225958	BEAM SPACER LSS-25K **(INCLUDED WITH ITEMS 18, 19, 20)**	2
28	225960	PIVOT BUSHING SHORT LSS-25K **(INCLUDED WITH ITEMS 3, 18, 29-30)**	1
29	238566	TRAILING BEAM LH W/BUSHING **(INCLUDES ITEMS 28, 31)** **(INCLUDED WITH ITEM 3)**	1
30	238567	TRAILING BEAM RH W/ BUSHING **(INCLUDES ITEMS 28, 32)** **(INCLUDED WITH ITEM 3)**	1
31	230611	SHOCK WLDMT LH LSS-25K **(INCLUDED WITH ITEMS 3, 29)**	1
32	230612	SHOCK MT WLDMT RH LSS-25K **(INCLUDED WITH ITEMS 3, 30)**	1
33	- - - - -	AXLE & BEAM ASSEMBLY **(16.5 DISC BRAKES, OPTION)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
34	3-181-010034-1	CLAMP CONDUIT STEEL 1/2	5

Axle Suspension, LSS-25K-5.5 RLU CC, 16.5 (After 10/01/2024)

IMPORTANT: When ordering a complete Axle & Beam Assembly, call and provide the Trailer VIN Number to identify the proper replacement.

NOTE:
Parts Table Shows QTY Per Axle



View of (Optional) Disc Brake Assembly

NOT SHOWN:
3 - U-Bolt Kit (Items 4-7)
8 - Susp Fastener Kit (Items 9-16, 18)
10 - Air Spring Hardware Kit (Items 11-14)
17 - Pivot Hdware W/ Bushing (Items 19-25)
18 - Pivot Hdware WO/ Bushing (Items 19-24)

Figure 3-14: Axle Suspension, LSS-25K-5.5 RLU CC, 16.5 (After 10/01/2024)

Axle Suspension, LSS-25K-5.5 RLU CC, 16.5 (After 10/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	- - - - -	AXLE WLDMT 2516 DISC **(DISK BRAKE OPTION)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
1	250814	FRM BRCKT LSS 25K CAM COLLAR	2
2	226048	SUSPENSION BEAMS 25K-05_5RLU **(INCLUDES ITEMS 3, 25-29)**	1
3	238565	U-BOLT KIT, LSS-25K-xxRLU/RLY **(SET OF 2)** **(INCLUDED WITH ITEM 2)** **(INCLUDES ITEMS 4-7)**	1
4	- - - - -	WASHER, 3/4 ID **(INCLUDED WITH ITEM 3)**	8
5	- - - - -	LOCK NUT, 3/4-16UNF-2B **(INCLUDED WITH ITEM 3)**	8
6	- - - - -	U-BOLT CLAMP WELDMENT **(INCLUDED WITH ITEM 3)**	4
7	- - - - -	U-BOLT, 3/4-16UNF GR8 **(INCLUDED WITH ITEM 3)**	4
8	250850	SUSP FSTNR KIT 25K-05_5RLU CC **(INCLUDES ITEMS 9-16, 18)**	1
9	235294	AIR SPRING DEXTER 5.5RLU **(INCLUDED WITH ITEM 8)**	2
10	225963	HARDWARE KIT AIR SPRING **(INCLUDED WITH ITEM 8)** **(INCLUDES ITEMS 11-14)**	2
11	- - - - -	LOCK WASHER 3/4" **(INCLUDED WITH ITEM 10)**	1
12	- - - - -	LOCK WASHER 1/2" **(INCLUDED WITH ITEM 10)**	2
13	- - - - -	NUT 3/4-16UNF **(INCLUDED WITH ITEM 10)**	1
14	- - - - -	NUT1/2-13UNC **(INCLUDED WITH ITEM 10)**	2
15	242722	SHOCK ABSORBER DEXTER 5.5"SUSP **(INCLUDED WITH ITEM 8)** **(SHOCK STRAP - SEE PAGE 3-36)**	2
16	225956	HARDWARE KIT M85323 SHOCK **(INCLUDED WITH ITEM 8)** **(INCLUDES 2 BOLTS, 2 NUTS, 4 WASHERS)**	2
17	250866	PIVOT HDWR KIT CC W/BUSHING **(INCLUDES ITEMS 19-25)**	2
18	251169	PIVOT BOLT KIT DEX CC 2 AX **(INCLUDED WITH ITEM 8)** **(INCLUDES ITEMS 19-24)**	2
19	252300	PIVOT BOLT SLEEVE **(INCLUDED WITH ITEMS 17-18)**	1
20	252309	ECCENTRIC, CC, HEAD SIDE **(INCLUDED WITH ITEMS 17-18)**	1
21	252310	ECCENTRIC, CC, NUT SIDE **(INCLUDED WITH ITEMS 17-18)**	1
22	252311	BOLT, PIVOT, CC, RLU **(INCLUDED WITH ITEMS 17-18)**	1
23	252312	NUT, LOCKING, CC DEX **(INCLUDED WITH ITEMS 17-18)**	1
24	225958	BEAM SPACER LSS-25K **(INCLUDED WITH ITEMS 17-18)**	2
25	225960	PIVOT BUSHING SHORT LSS-25K **(INCLUDED WITH ITEMS 2, 17, 26-27)**	1
26	238566	TRAILING BEAM LH W/BUSHING **(INCLUDES ITEMS 25, 28)** **(INCLUDED WITH ITEM 2)**	1
27	238567	TRAILING BEAM RH W/ BUSHING **(INCLUDES ITEMS 25, 29)** **(INCLUDED WITH ITEM 2)**	1
28	230611	SHOCK WLDMT LH LSS-25K **(INCLUDED WITH ITEMS 26)**	1
29	230612	SHOCK MT WLDMT RH LSS-25K **(INCLUDED WITH ITEMS 27)**	1
30	- - - - -	AXLE & BEAM ASSEMBLY **(16.5 DISC BRAKES, OPTION)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
31	3-181-010034-1	CLAMP CONDUIT STEEL 1/2	5

Shock Strap, Limit, RLU 228-3.5 (Option)

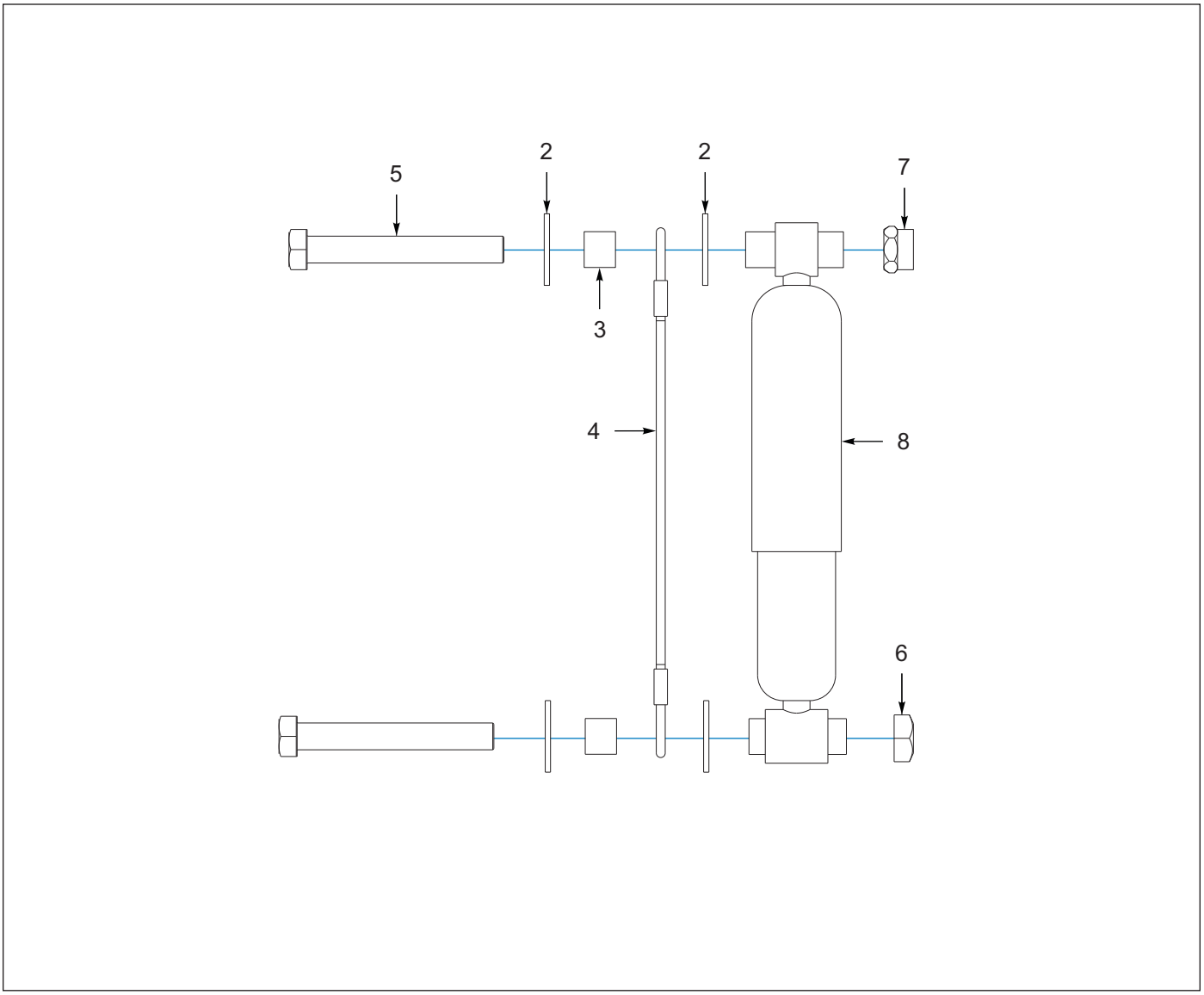


Figure 3-15: Shock Strap, Limit, RLU 228-3.5 (Option)

Shock Strap, Limit, RLU 228-3.5 (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	141708	WIRE ROPE STRAPKIT RLU228-3.5 **(INCLUDES 2 KITS, ITEM 1)**	- -
	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 **(SOLD SEPERATELY)**	1
7	934-00-492	LOCK NUT 3/4-10 **(SOLD SEPERATELY)**	1
8	900 45 040	SHOCK ABSORBER AR93 **(SOLD SEPERATELY)** **(FOR RLU 228-3.5 SUSPENSION)**	1

Shock Strap, Limit, RLU 228-5.5 (Option)

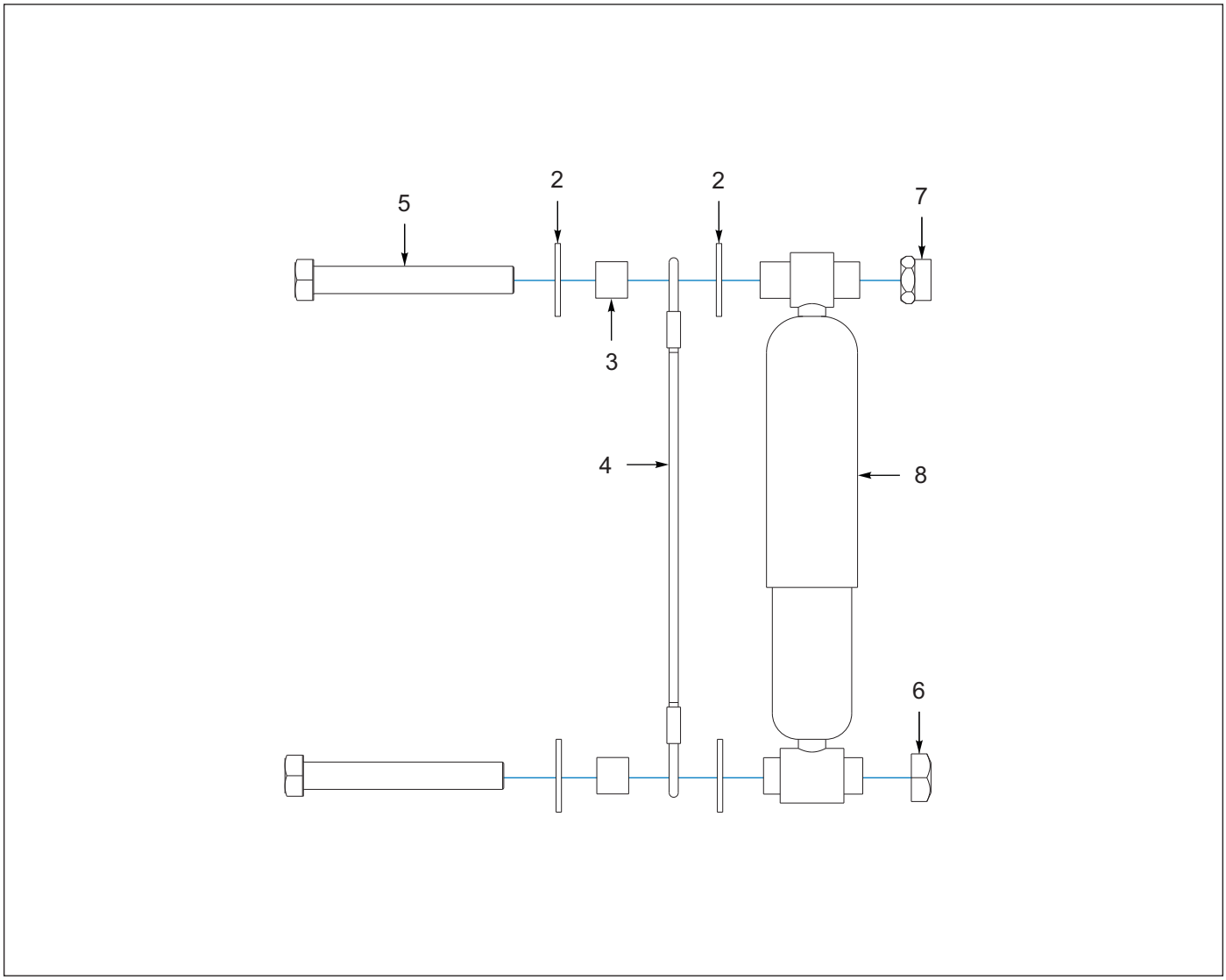


Figure 3-16: Shock Strap, Limit, RLU 228-5.5 (Option)

Shock Strap, Limit, RLU 228-5.5 (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 **(SOLD SEPERATELY)**	1
7	934-00-492	LOCK NUT 3/4-10 **(SOLD SEPERATELY)**	1
8	111017	SHOCK NEWAY 90044642 **(SOLD SEPERATELY) (FOR RLU 228-5.5 SUSPENSION)**	1

Shock Strap, Limit, LSS-25K-3.5 (Option)

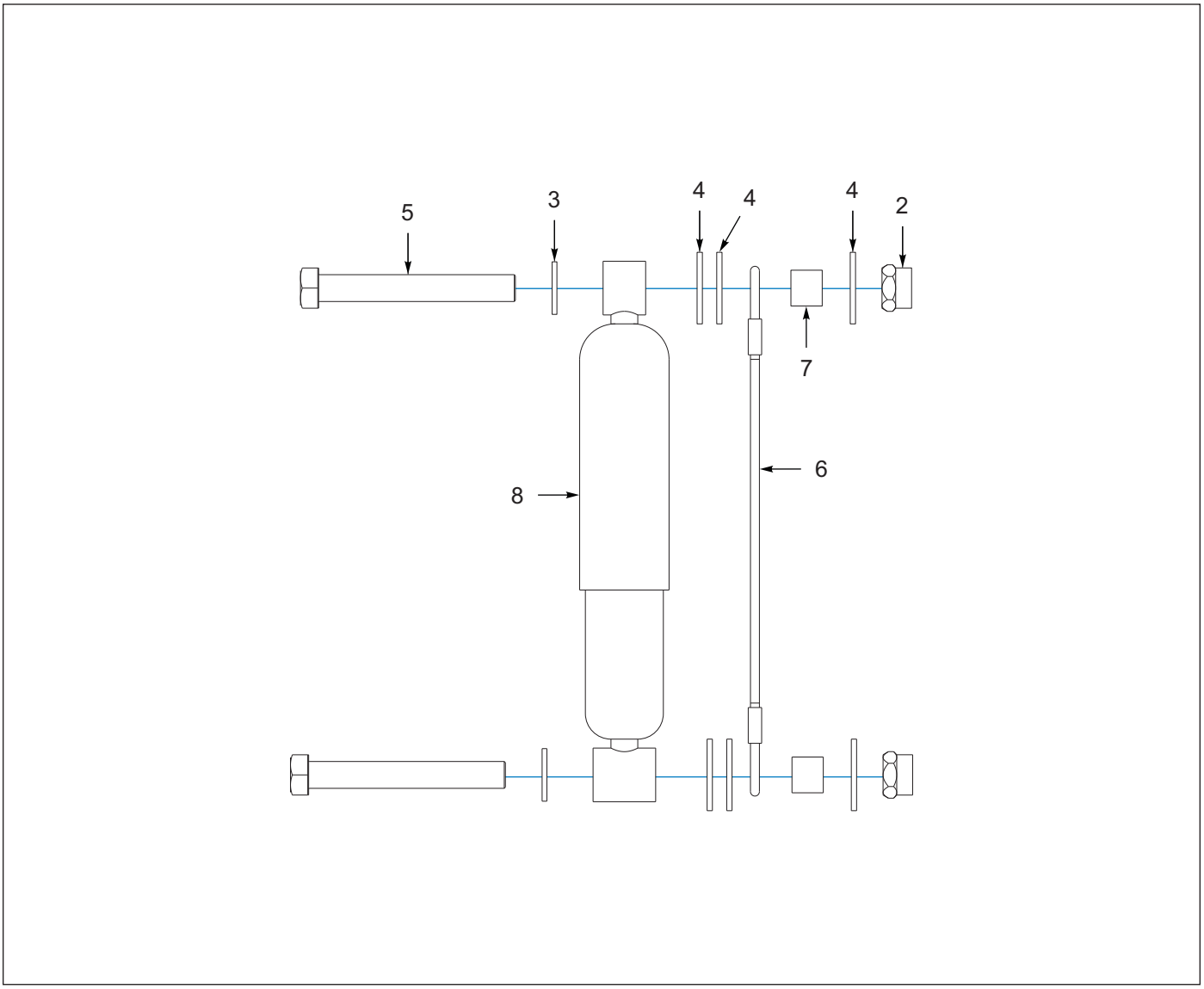


Figure 3-17: Shock Strap, Limit, LSS-25K-3.5 (Option)

Shock Strap, Limit, LSS-25K-3.5 (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	228953	WR STRAP KIT 1 AX LSS-25K-3.5 **(INCLUDES 2 KITS, ITEM 1)**	- -
	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 LIMITLSS-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 3/4-10UNCX5.50GR8	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 **(SOLD SEPERATELY) (FOR LSS-25K-3.5RLU)**	1

Shock Strap, Limit, LSS-25K-5.5 (Option)

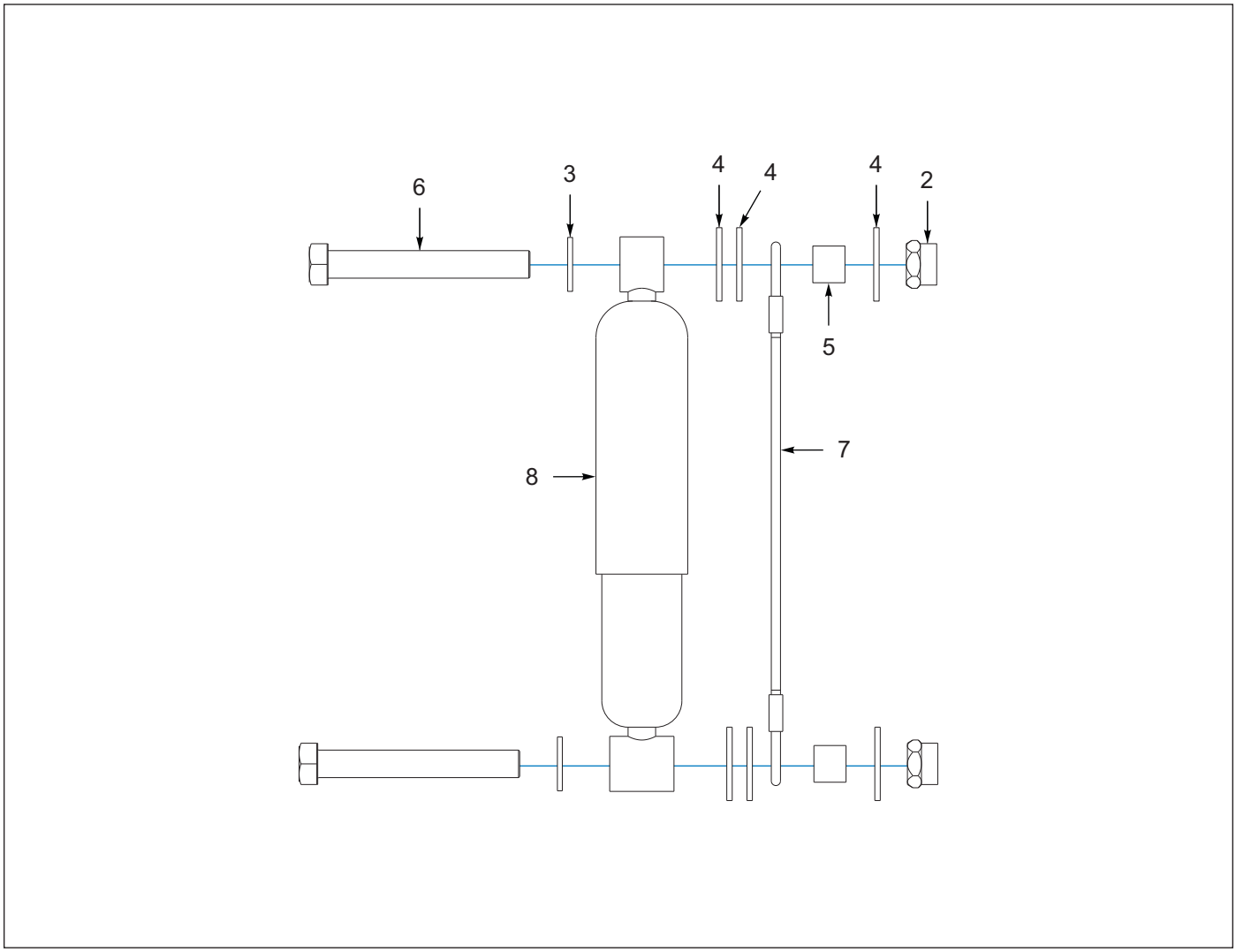


Figure 3-18: Shock Strap, Limit, LSS-25K-5.5 (Option)

Shock Strap, Limit, LSS-25K-5.5 (Option)

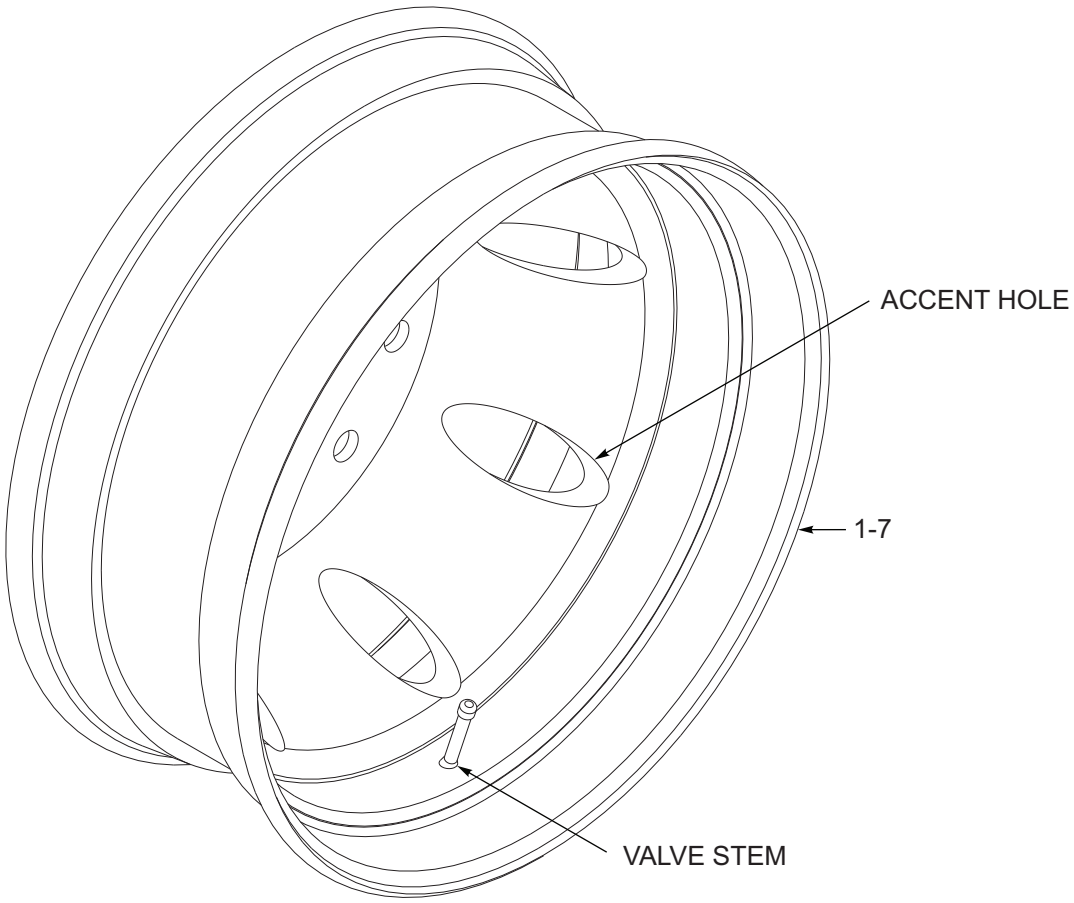
ITEM	PART NUMBER	DESCRIPTION	QTY.
	236487	WR STRAP KIT 1AX LSS-25K-5.5 **(INCLUDES 2 KITS, ITEM 1)**	- -
	236488	4 SHOCK STRAP KITS FOR 2 AXLES **(INCLUDES 4 KITS, ITEM 1)**	- -
	236489	6 SHOCK STRAP KITS FOR 3 AXLES **(INCLUDES 6 KITS, ITEM 1)**	- -
1	236486	STRAP SHOCK LIMITLSS-25K-5.5 **(1 KIT INCLUDES 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" **(SOLD SEPERATELY) (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)

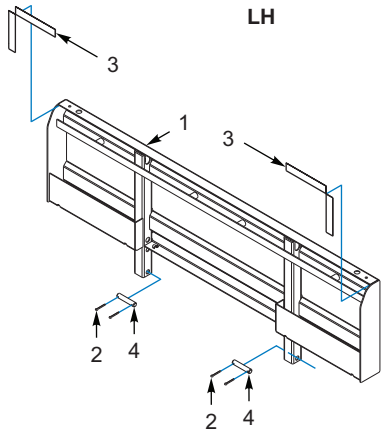
Figure 3-19: Wheels

Wheels

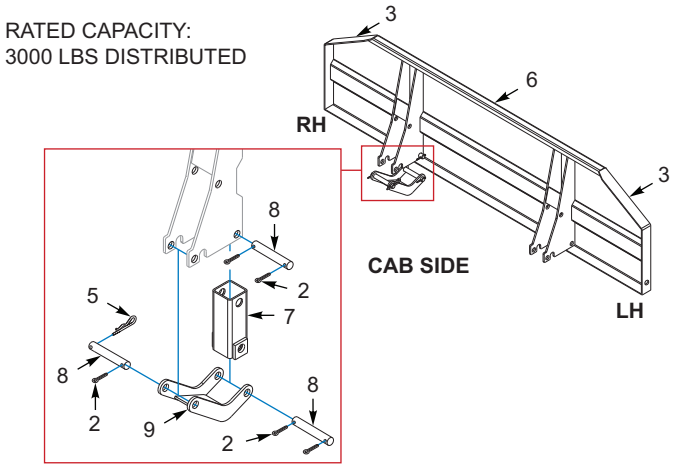
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	100402	WHEEL POL ALUM PILOT17.5X6.75 **(USES TR-553C VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM) (ALCOA, ACCURIDE)**	1
1	112047	WHEEL AL PILOT 17.5X6.75 MACH **(USES 100401 VALVE STEM) (8 ACCENT HOLES, MACHINED, ALUMINUM)**	1
1	232809	WHEEL AL PILOT 17.5X6.75 (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	WHEEL,DISC,PILOT MT 17.5X6.75 **(USES TR500 VALVE STEM) (4 ACCENT HOLES, PAINTED WHITE, STEEL)**	1
3	139600	WHEEL,AL DURA BRITE255/70R **(USES TR545D VALVE STEM) (10 ACCENT HOLES, POLISHED, ALUMINUM)**	1
3	3-870-010106	WHEEL,AL,PILOT MT22.5X7.5POL **(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 PLT22.5X8.25 POL CTG **(USES TR545D VALVE STEM) (8 ACCENT HOLES, POLISHED COATING, ALUMINUM)**	1
6	150346	WHEEL,ALUM,DURA-BRT22.5X8.25 **(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

Bulkhead, Steps, and Storage (Options)

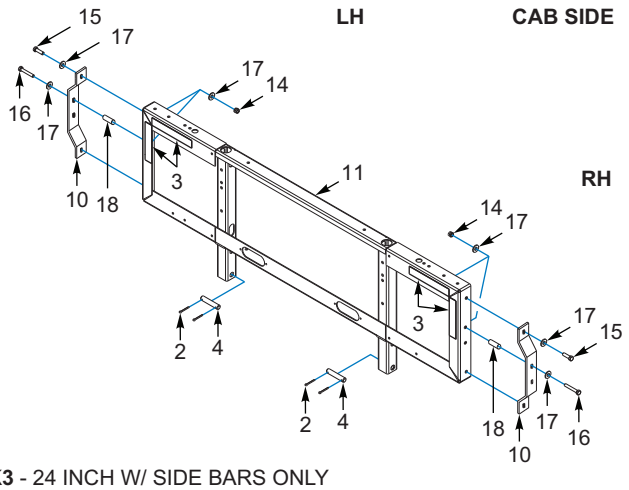
Bulkhead Components, 24, 25 & 26 x 102



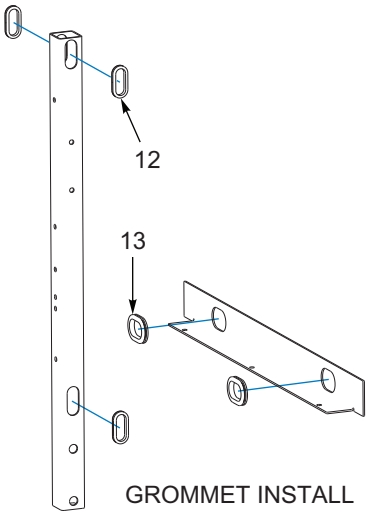
BK1 - 26 W/ STORAGE AND CHAIN RACKS



BK2 - 16 / 24 INCH 2 POSITION EXTENSION



BK3 - 24 INCH W/ SIDE BARS ONLY



GROMMET INSTALL

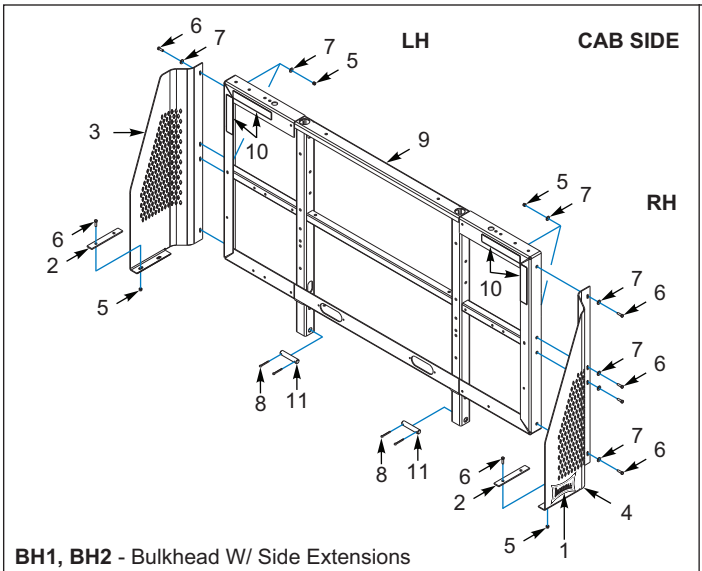
IMPORTANT: IF YOUR BULKHEAD OR OTHER OPTIONS ARE NOT DISPLAYED, PROVIDE THE DEALER WITH THE TRAILER VIN NUMBER TO PROPERLY IDENTIFY ORIGINAL PARTS.

Figure 4-1: Bulkhead Components, 24, 25 & 26 x 102

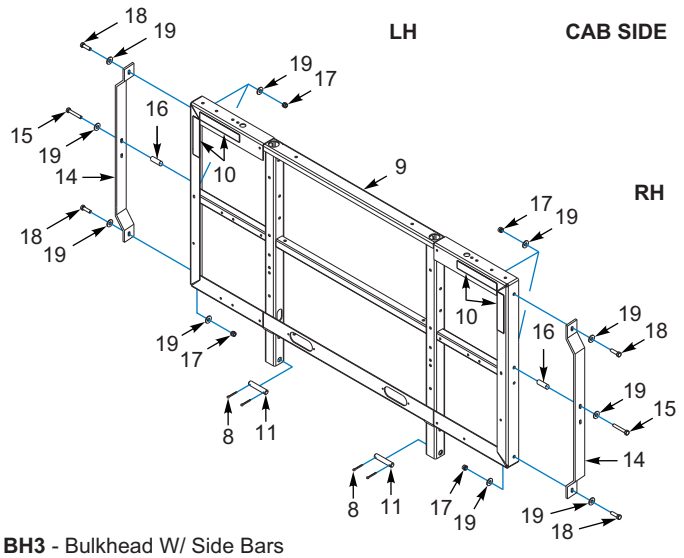
Bulkhead Components, 24, 25 & 26 x 102

ITEM	PART NUMBER	DESCRIPTION	QTY.
	134616	BULKHEAD INSTL 26X102 **(BK1)** **(REQUIRES ITEMS 1-4, 12-13)**	- -
	136848	EXTENSION ASSY 16/24 (400) **(BK2)** **(REQUIRES ITEMS 2-3, 5-9, 12-13)**	- -
	223965	BULKHEAD INSTL 24" HX 102"WBLK **(BK3)** **(REQUIRE ITEMS 2-4, 10-18)**	- -
1	134608	BULKHEAD WLDMT 26 X 102 **(BK1)**	1
2	1-557-010362-63	PIN,COTTER 1/4X2 ZP **(BK1, BK3, REQ 4) (BK2, REQ 10)**	- -
3	3-573-010378	DECAL,2"REFLEXITE TAPE,WHITE **(BY THE INCH)** **(BK1, REQ 48) (BK2, BK3, REQ 50)**	- -
4	6-557-010163	PIN HITCH LEVELING LINK **(BK1, BK3)**	2
5	1-557-010014	PIN, HAIR 1/4 DIA **(BK2)**	2
6	136849	BULKHEAD WLDMT 16/24X102 2POS **(BK2)**	1
7	3-482-010249	MOUNT WLDMT BULKHEAD **(BK2)**	2
8	3-557-010380	PIN, SUPPORT BULKHEAD **(BK2)**	6
9	3-755-010080	SUPPORT WLDMT, BULKHEAD **(BK2)**	2
10	225414	BAR, SIDE, 24" BLKHD 102 EXT **(BK3)**	2
11	225418	BULKHEAD WLDMT, 24" H X 96" W **(BK3)**	1
12	234683	GROMMET, HOLE 2-1/2IN-1/4T **(BK3)**	6
13	234688	GROMMET, HOLE 3IN-3/16T **(BK3)**	2
14	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB **(BK3)**	6
15	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2 **(BK3)**	4
16	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5 **(BK3)**	2
17	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD **(BK3)**	12
18	3-711-010025	SPACER, 48" BULKHEAD, 1 DIA **(BK3)**	2

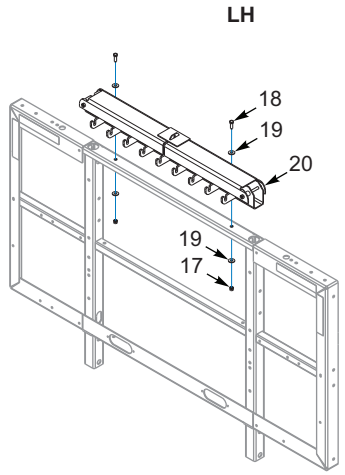
Bulkhead Components, 48 x 102



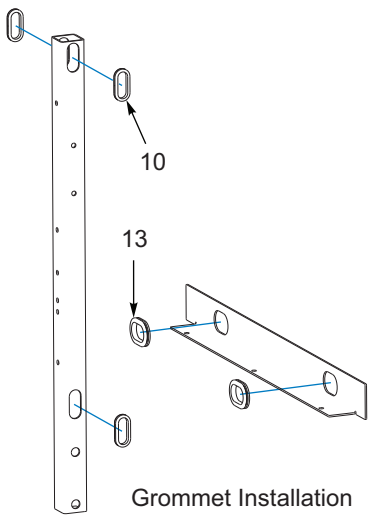
BH1, BH2 - Bulkhead W/ Side Extensions



BH3 - Bulkhead W/ Side Bars



BH4 - Chain Security Rack



Grommet Installation

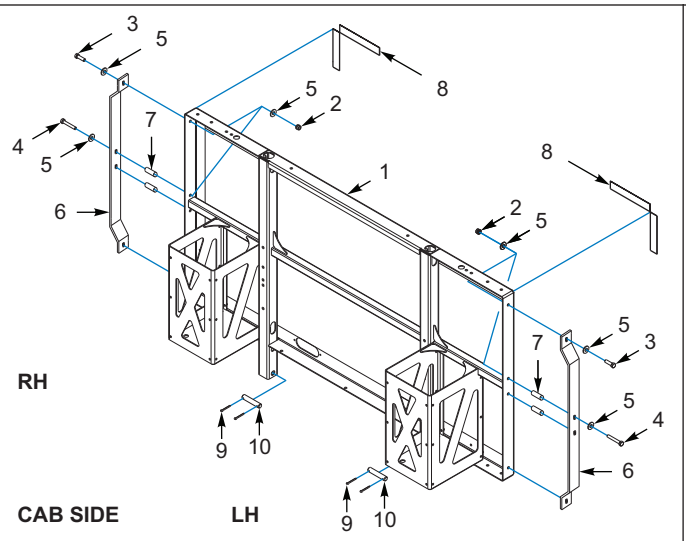
IMPORTANT: IF YOUR BULKHEAD OR OTHER OPTIONS ARE NOT DISPLAYED, PROVIDE THE DEALER WITH THE TRAILER VIN NUMBER TO PROPERLY IDENTIFY ORIGINAL PARTS.

Figure 4-2: Bulkhead Components, 48 x 102

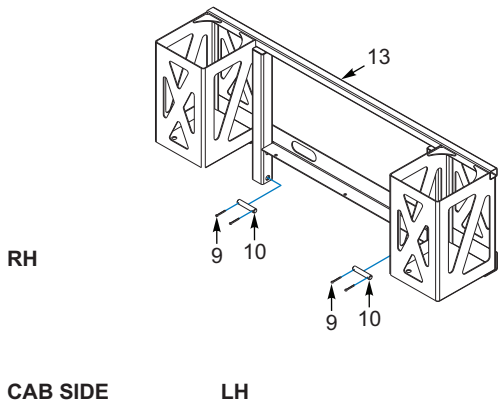
Bulkhead Components, 48 x 102

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128414	BULKHEAD INST BLK/AL WING400 **(BH1)** **(ALUMINUM REQUIRES ITEMS 1-13)**	- -
	128415	BULKHEAD INST BLK/STL WING400 **(BH2)** **(STEEL REQUIRES ITEMS 1-13)**	- -
	3-141-010121-2	BULKHEAD INSTL, 102 TRAILER **(BH3)** **(REQUIRES ITEMS 8-19)**	- -
	B7-141-003	CHAIN RACK INST **(BH4)** **(REQUIRES ITEMS 14-15, 17, 20-21)**	- -
1	192208	DECAL BOWTIE 6-3/4 X 11 **(BH1, BH2)**	2
2	218689	DOUBLER BAR BULKHEAD **(BH1, BH2)**	2
3	219354	EXTENSION ALUM LH BULKHEAD **(BH1) (ALUMINUM, LH)**	1
3	219357	EXTENSION BULKHEAD LH 400 **(BH2) (STEEL, LH)**	1
4	219355	EXTENSION ALUM RH BULKHEAD **(BH1) (ALUMINUM, RH)**	1
4	219356	EXTENSION BULKHEAD RH 400 **(BH2) (STEEL, RH)**	1
5	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(BH1, BH2)**	12
6	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4 **(BH1, BH2)**	12
7	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(BH1, BH2)**	16
8	1-557-010362-63	PIN,COTTER 1/4X2 ZP **(BH1, BH2, BH3)**	4
9	3-141-010155	BULKHEAD WLDMT 48X96 ENG PKG **(BH1, BH2, BH3)**	1
10	3-573-010378	DECAL,2"REFLEXITE TAPE,WHITE **(BY THE INCH)** **(BH1, BH2, REQ 44) (BH3, REQ 50)**	- -
11	6-557-010163	PIN HITCH LEVELING LINK **(BH1, BH2, BH3)**	2
12	234683	GROMMET, HOLE 2-1/2IN-1/4T **(BH1, BH2, BH3)**	6
13	234688	GROMMET, HOLE 3IN-3/16T **(BH1, BH2, BH3)**	2
14	3-054-010101	BAR,SIDE,48",BULKHEAD,102"EXT **(BH3)**	2
15	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5 **(BH3)**	2
16	3-711-010025	SPACER, 48" BULKHEAD, 1 DIA **(BH3)**	2
17	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB **(BH3, REQ 6) (BH4, REQ 2)**	- -
18	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2 **(BH3, REQ 4) (BH4, REQ 2)**	- -
19	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD **(BH3, REQ 12) (BH4, REQ 4)**	- -
20	3-141-010008	CHAIN HANGER LOCKING CHANL WLD **(BH4)**	1

Bulkhead Components, Propane Holders

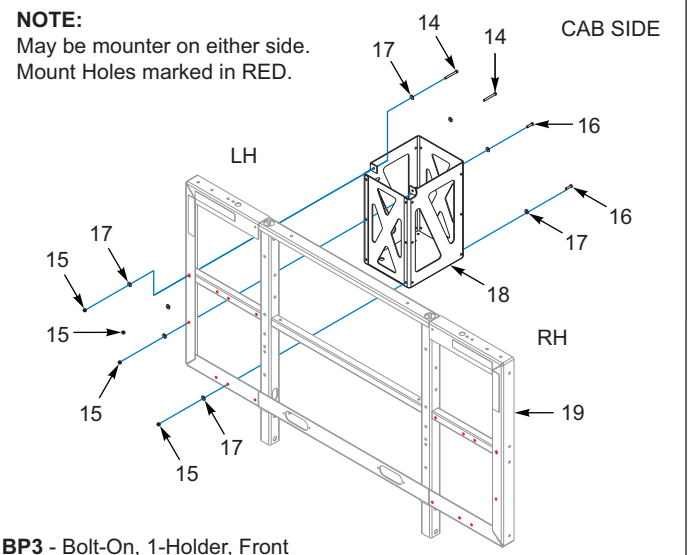


BP1 - Welded 48 Inch Assembly, 2-Holders



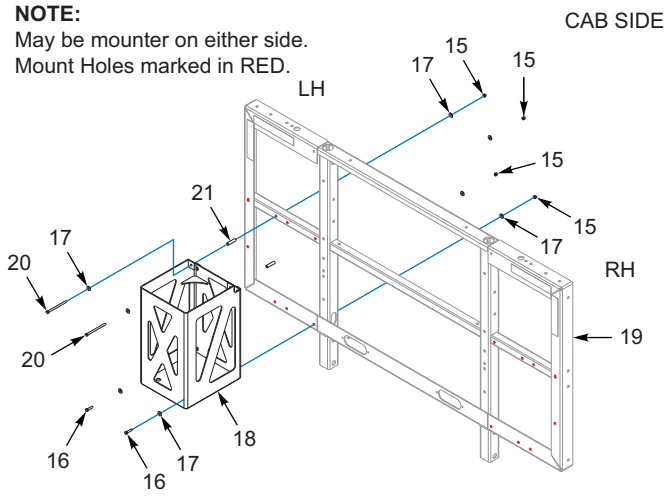
BP2 - Welded 25 Inch Assembly, 2-Holders

NOTE:
May be mounter on either side.
Mount Holes marked in RED.

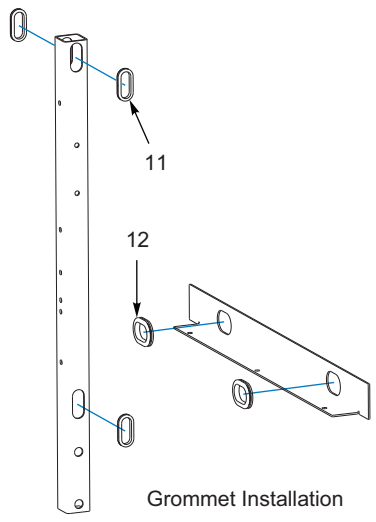


BP3 - Bolt-On, 1-Holder, Front

NOTE:
May be mounter on either side.
Mount Holes marked in RED.



BP4 - Bolt-On, 1-Holder, Rear



Grommet Installation

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

Figure 4-3: Bulkhead Components, Propane Holders

Bulkhead Components, Propane Holders

ITEM	PART NUMBER	DESCRIPTION	QTY.
	183602	BULKHEAD INST 102 W/PROPANE-C **(BP1)** **(REQUIRES ITEMS 1-12)**	- -
	204075	PROPANE TANK BRACKET INSTALL **(BP2)** **(REQUIRES ITEMS 9-13)**	- -
	204095	PROPANE TANK, BLK SGL FRT MNT **(BP3)** **(REQUIRES ITEMS 11-12, 14-19) (BLACK, FRONT MOUNT)**	- -
	221672	PROPANE TANK, TRL CLR SGL FRT **(BP3)** **(REQUIRES ITEMS 11-12, 14-19) (TRL COLOR, FRONT MOUNT)**	- -
	204096	PROPANE TANK, BLK SGL RR MNT **(BP4)** **(REQUIRES ITEMS 11-12, 15-21) (BLACK, REAR MOUNT)**	- -
	221673	PROPANE TANK, TRL CLR SGL RR **(BP4)** **(REQUIRES ITEMS 11-12, 15-21) (TRL COLOR, REAR MOUNT)**	- -
1	130896	BULKHEAD WLDMT 317 SPECIAL **(BP1) (EXPANDED METAL)**	1
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB **(BP1)**	8
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2 **(BP1)**	8
4	1-654-010055-13	SCREW,HEX CAP,1/2-13UNCX4 GR5 **(BP1)**	4
5	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD **(BP1)**	16
6	245875	BAR,SIDE,48",BULKHEAD,102"EXT **(BP1) (BLACK PAINT)**	2
7	3-711-010025	SPACER, 48" BULKHEAD, 1 DIA **(BP1)**	2
8	3-573-010378	DECAL,2"REFLEXITE TAPE,WHITE **(BP1) (BY THE INCH)**	44
9	1-557-010362-63	PIN,COTTER 1/4X2 ZP **(BP1, BP2)**	4
10	6-557-010163	PIN HITCH LEVELING LINK **(BP1, BP2)**	2
11	234683	GROMMET, HOLE 2-1/2IN-1/4T **(BP1, BP2)**	6
12	234688	GROMMET, HOLE 3IN-3/16T **(BP1, BP2)**	2
13	204076	HOLDER WLDMT PROPANE TANK **(BP2)**	1
14	1-654-010051-15	SCREW HXCP 3/8-16UNCX3-1/2 G5 **(BP3)**	2
15	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(BP3, BP4)**	4
16	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2 **(BP3, BP4)**	2
17	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(BP3, BP4)**	8
18	204089	HOLDER WLD PROPANE TANK BLT-ON **(BP3, BP4)**	1
19	225880	GALV OF 3-141-010155 (48X96BH) **(BP3, BP4)** **(BULKHEAD ASSEMBLY - SEE PAGE 4-3)**	- -
20	139603	SCREW HEX CAP 3/8-16X5-1/2GR5 **(BP4)**	5
21	204094	TUBE RD 9/16 X .397 X 2-1/4 **(BP4)**	2

Bulkhead, Light Bar, Chain Rack

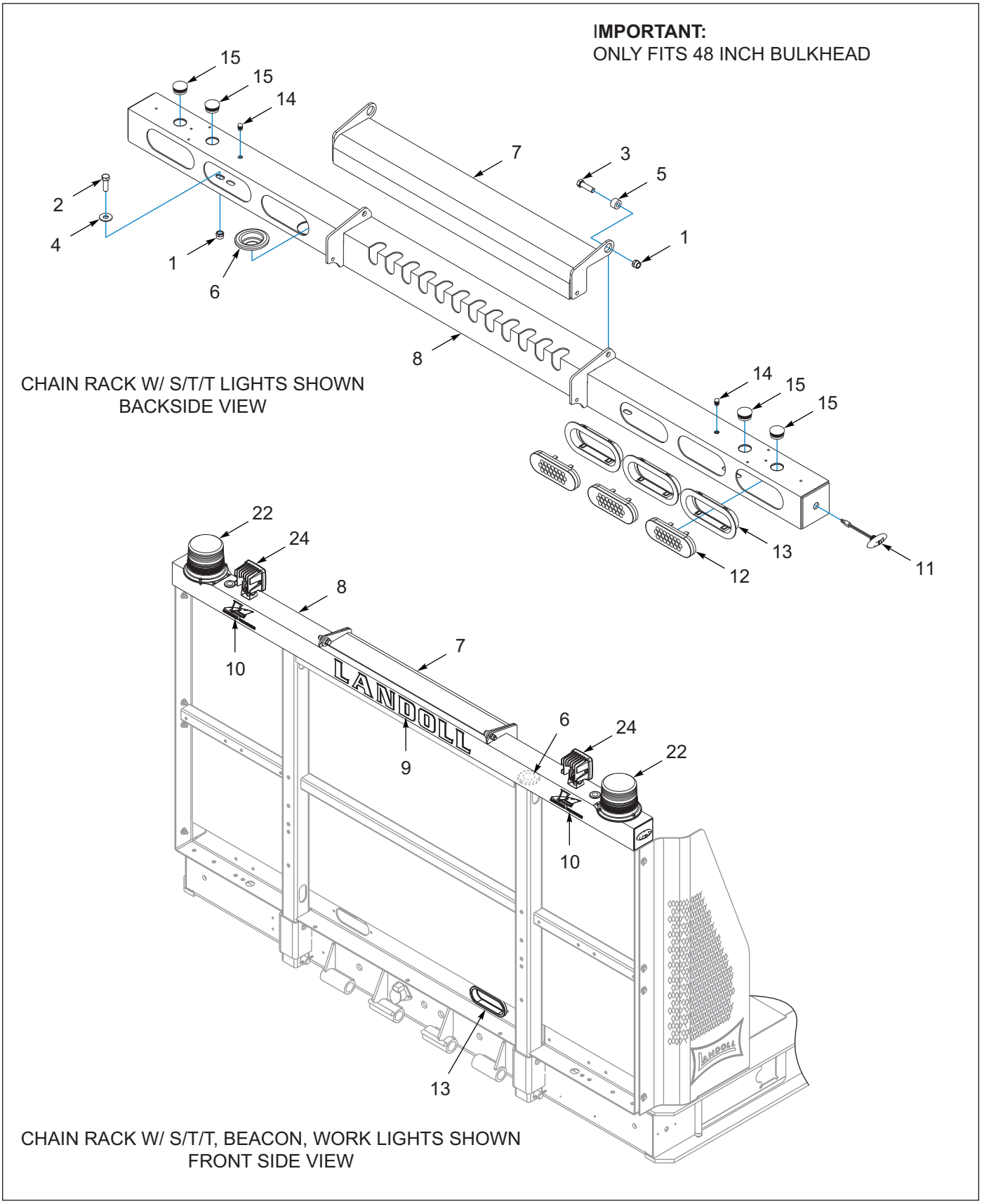
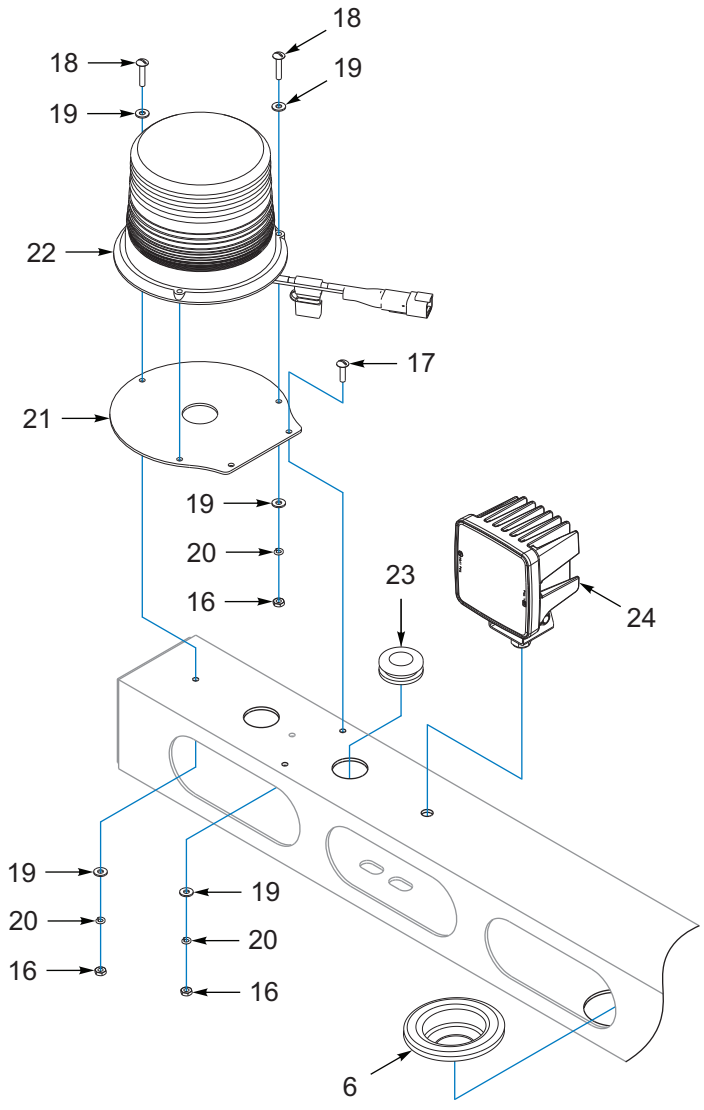


Figure 4-4: Bulkhead, Light Bar, Chain Rack (1 of 2)

NOTE:
NO WORK LIGHTS - PLUG EMPTY HOLES WITH ITEMS 14 & 15.
NO BEACON LIGHTS- PLUG EMPTY HOLES WITH ITEM 15.



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

Figure 4-5: Bulkhead, Light Bar, Chain Rack (2 of 2)

Bulkhead, Light Bar, Chain Rack

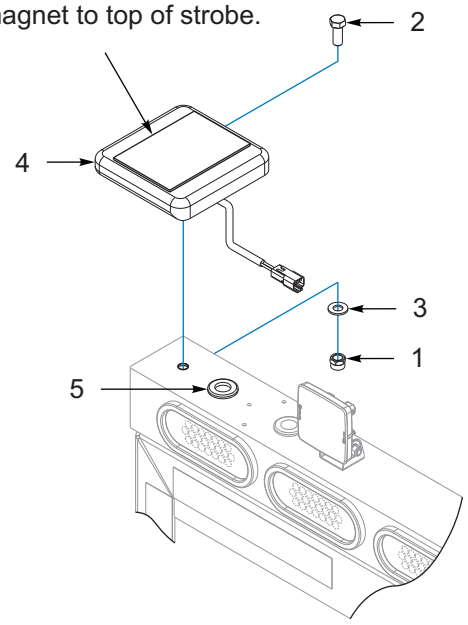
ITEM	PART NUMBER	DESCRIPTION	QTY.
	214411	BLKHD CHN RK S/T/T ONLY **(ST1 - S/T/T LIGHTS)**	- -
	218129	BLKHD CHN RK S/T/T/BCN **(ST2 - S/T/T, BEACON LIGHTS)**	- -
	214409	BLKHD CHAIN RACK S/T/T/WL/BCN **(ST3 - S/T/T, BEACON, WORK LIGHTS)**	- -
	214410	BLKHD CHN RACK S/T/T/WL/BCN HD **(ST4 - S/T/T, BEACON, WORK LIGHTS, HEAVY DUTY)**	- -
	214407	BLKHD CHN RK S/T/T WL **(ST5 - S/T/T, WORK LIGHTS)**	- -
	214408	BLKHD CHN RK S/T/T WL HD **(ST6 - S/T/T, WORK LIGHTS, HEAVY DUTY)**	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB **(ST1, ST2, ST3, ST4, ST5, ST6)**	4
2	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2 **(ST1, ST2, ST3, ST4, ST5, ST6)**	2
3	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4 **(ST1, ST2, ST3, ST4, ST5, ST6)**	2
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD **(ST1, ST2, ST3, ST4, ST5, ST6)**	2
5	125799	SPACER, 1 OD X 1/2 ID X .632 **(ST1, ST2, ST3, ST4, ST5, ST6)**	2
6	153102	GROMMET MOUNT 2-5/16" GROTE **(ST1, ST2, ST3, ST4, ST5, ST6)**	1
7	167975	LID WLDMT CHAIN BINDER **(ST1, ST2, ST3, ST4, ST5, ST6)**	1
8	191811	TUBE WLDMT BHD TOPPER 3/4DIA **(ST1, ST2, ST3, ST4, ST5, ST6)**	1
9	193456	DECAL LANDOLL 28-5/16 X 3-7/32 **(ST1, ST2, ST3, ST4, ST5, ST6)**	1
10	196165	DECAL HIGHWAY L **(ST1, ST2, ST3, ST4, ST5, ST6)**	2
11	213297	LIGHT YEL CLEAR LENS MKR **(ST1, ST2, ST3, ST4, ST5, ST6)** **(ELECTRICAL - SEE PAGE 9-27)**	2
12	213295	LIGHT CLEAR LENS S/T/T **(ST1, ST2, ST3, ST4, ST5, ST6)** **(ELECTRICAL - SEE PAGE 9-27)**	6
13	143114	GROMMET OVAL GROTE **(BLACK PVC)** **(ST1, ST2, ST3, ST4, ST5, ST6)** **(1 REQUIRE FOR LOWER BULKHEAD)**	7
13	213296	FLANGE CHROME FLAT OBLONG **(CHROME ABS PLASTIC)** **(ST1, ST2, ST3, ST4, ST5, ST6)**	6
14	1-578-010015-04	PLUG, PLASTIC PANEL 3/8 **(ST1, ST2)**	2
15	116324	PLUG,PLAST PANEL1-5/16&1-7/16 **(ST1, REQ 4)** **(ST2, ST5, ST6, REQ 2)**	- -
16	1-512-010007-03	NUT, HEX 10-24 GR2 ZP **(ST2, ST3, ST4)**	10
17	1-656-010003051	SCREW,RH HD MACH 10-24X3/4 **(ST2, ST3, ST4)**	4
18	1-656-010003053	SCREW RD HD MACH 10-24X1 **(ST2, ST3, ST4)**	6
19	1-861-010032-03	WASHER, FLAT #10 ZP/CD **(ST2, ST3, ST4)**	16
20	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10 **(ST2, ST3, ST4)**	10
21	191545	PLATE BEACON MOUNTING **(ST2, ST3, ST4)**	2
22	184501	STROBE BEACON DEUTSCH CONN **(ST2, ST3, ST4) (AMBER)** **(ELECTRICAL - SEE PAGE 9-27)**	2
23	1-343-010006	GROMMET **(ST3, ST4. ST5, ST6)**	2
24	163996	LIGHT,12V SQUARE LED FLOOD **(ST3, ST4. ST5, ST6)** **(INCLUDES MOUNTING HARDWARE AND RUBBER SHOCK)** **(ELECTRICAL - SEE PAGE 9-27)**	2

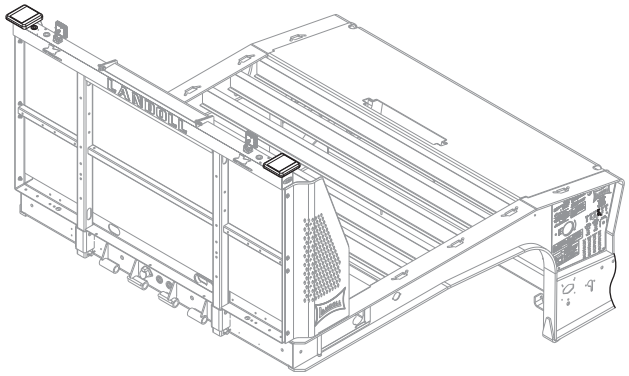
Table provided for general use.

NOTES:

Bulkhead, Lights, Strobe, 360 Degree, Amber

NOTE:
To change strobe pattern,
touch supplied magnet to top of strobe.





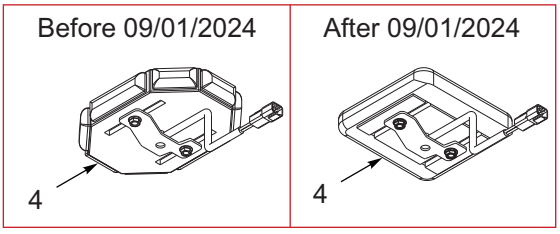


Figure 4-6: Bulkhead, Lights, Strobe, 360 Degree, Amber

Bulkhead, Lights, Strobe, 360 Degree, Amber

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215522	BLKHD TWMT 360 STROBE INSTL **(AMBER)**	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
2	1-654-010055-02	SCREW 1/2-13UNCX1-1/4 CP GR5	2
3	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	2
4	215521	TOWMATE MINI 360 LED STROBE **(BEFORE 09/01/2024 - OBSOLETE)**	- -
4	248886	TOWMATE MINI 360 LED STROBE **(AFTER 09/01/2024)** **(ELECTRICAL - (SEE PAGE 9-31)**	2
5	1-343-010006	GROMMET **(SOLD SEPARATELY)**	2

Bulkhead, Lights, Work (See System, Electrical)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191813	WORK LIGHT INSTL BULKHEAD **(STANDARD DUTY)** **(SEE PAGE 9-37)**	- -
	191814	WORK LIGHT INSTL BULKHEAD **(HEAVY DUTY)** **(SEE PAGE 9-37)**	- -

Chain Tray, Beam, Bolt-On (Before 01/17/2022)

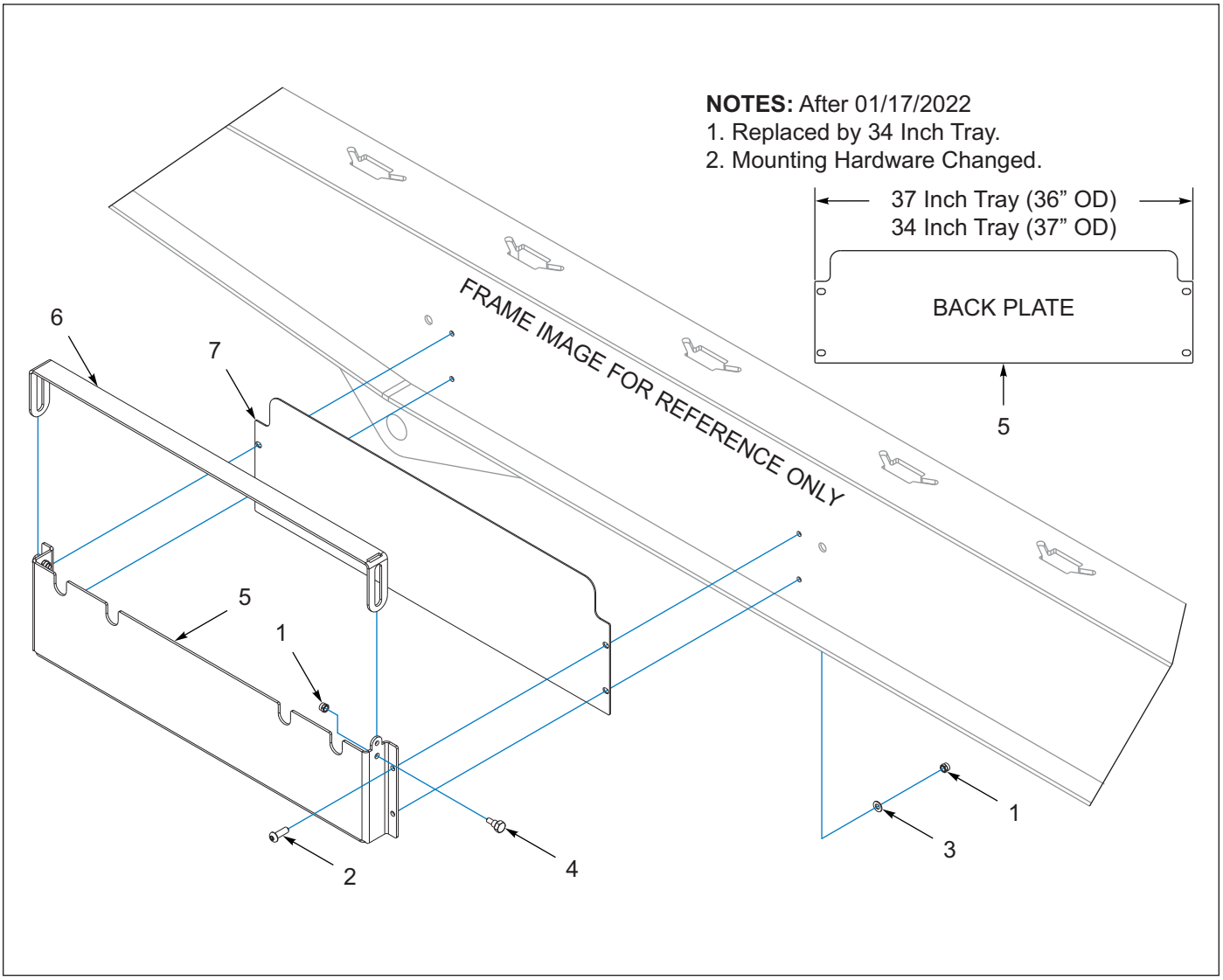


Figure 4-7: Chain Tray, Beam, Bolt-On (Before 01/17/2022)

Chain Tray, Beam, Bolt-On (Before 01/17/2022)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	208320	CHAIN TRAY,YELLOW BOLT-ON W/LD **(W/ LID)**	- -
	208321	CHAIN TRAY, YELLOW BOLT-ON **(WO/ LID)**	- -
	219615	CHAIN TRAY, TRL-CLR BLT-ON W/L **(W/ 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, Beam, Bolt-On (After 01/17/2022)

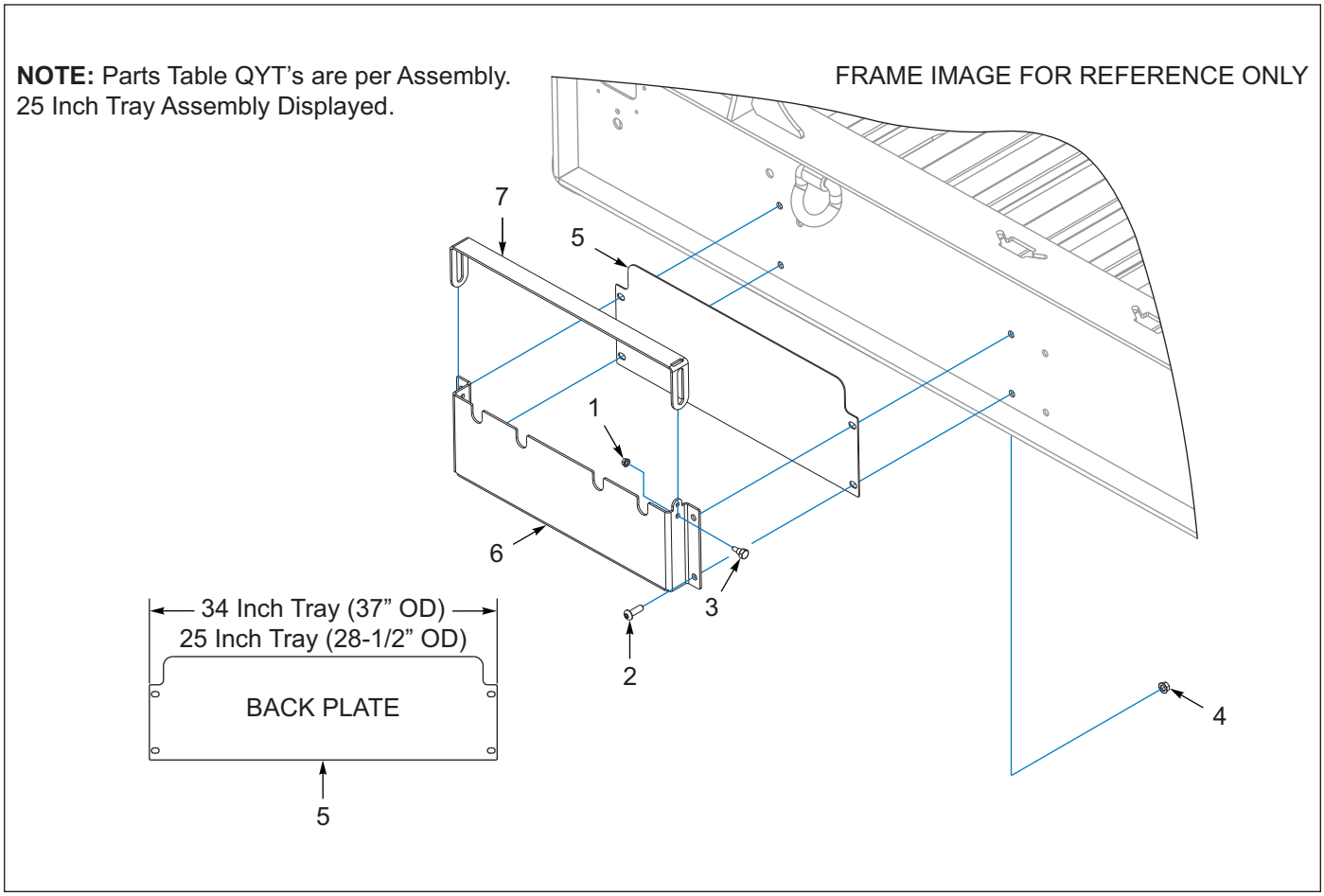


Figure 4-8: Chain Tray, Beam, Bolt-On (After 01/17/2022)

Chain Tray, Beam, Bolt-On (After 01/17/2022)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	238193	CHAIN TRAY INSTL (4) TRL CLR **(4 EACH)**	- -
	238194	CHAIN TRAY INSTL (4) GALV W/LD **(4 EACH)**	- -
	238195	CHAIN TRAY INSTL (2) TRL CLR **(2 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	238185	CHAIN TRAY BOLT-ON 8X25 TRLCLR **(25 INCH, PAINTED)**	2
6	238186	GALV OF 220515 (CHN TRY 8X25) **(25 INCH, GALV)**	1
6	238183	CHAIN TRAY BOLT-ON 8X34 TRLCLR **(34 INCH, PAINTED)**	1
6	238184	GALV OF 238184 (CHN TRY 8X34) **(34 INCH, GALV)**	1
7	238190	CHAIN TRAY BOLT-ON 25" TRL CLR **(25 INCH, PAINTED)**	1
7	238191	GALV OF 220516 (CHN TRY 25") **(25 INCH, GALV)**	1
7	238188	CHAIN TRAY LID B-ON 34" TRLCLR **(34 INCH, PAINTED)**	1
7	238189	GALV OF 208319 (CHN TRY LID34") **(34 INCH, GALV)**	1

Chain Tray, Bulkhead, Bolt-On

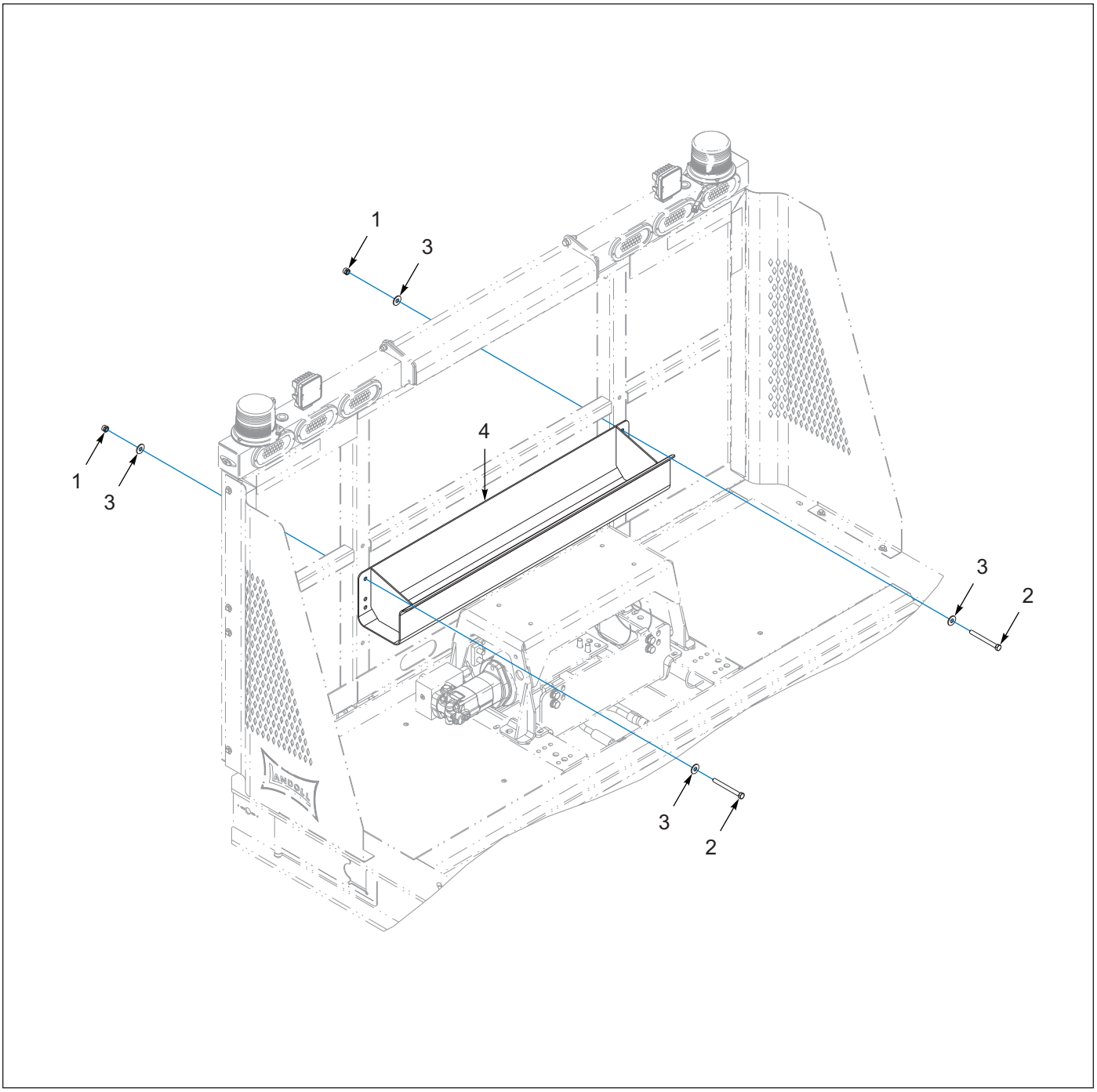


Figure 4-9: Chain Tray, Bulkhead, Bolt-On

Chain Tray, Bulkhead, Bolt-On

ITEM	PART NUMBER	DESCRIPTION	QTY.
	197056	CHAIN TRAY INSTL ALUM BHD MT	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
2	1-654-010055-15	SCR, HX CP, 1/2-13UNCX5 GR5	2
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
4	197057	TRAY WLDMT CHAIN	1

Chain Tray, Bulkhead / Upper Deck, Bolt-On

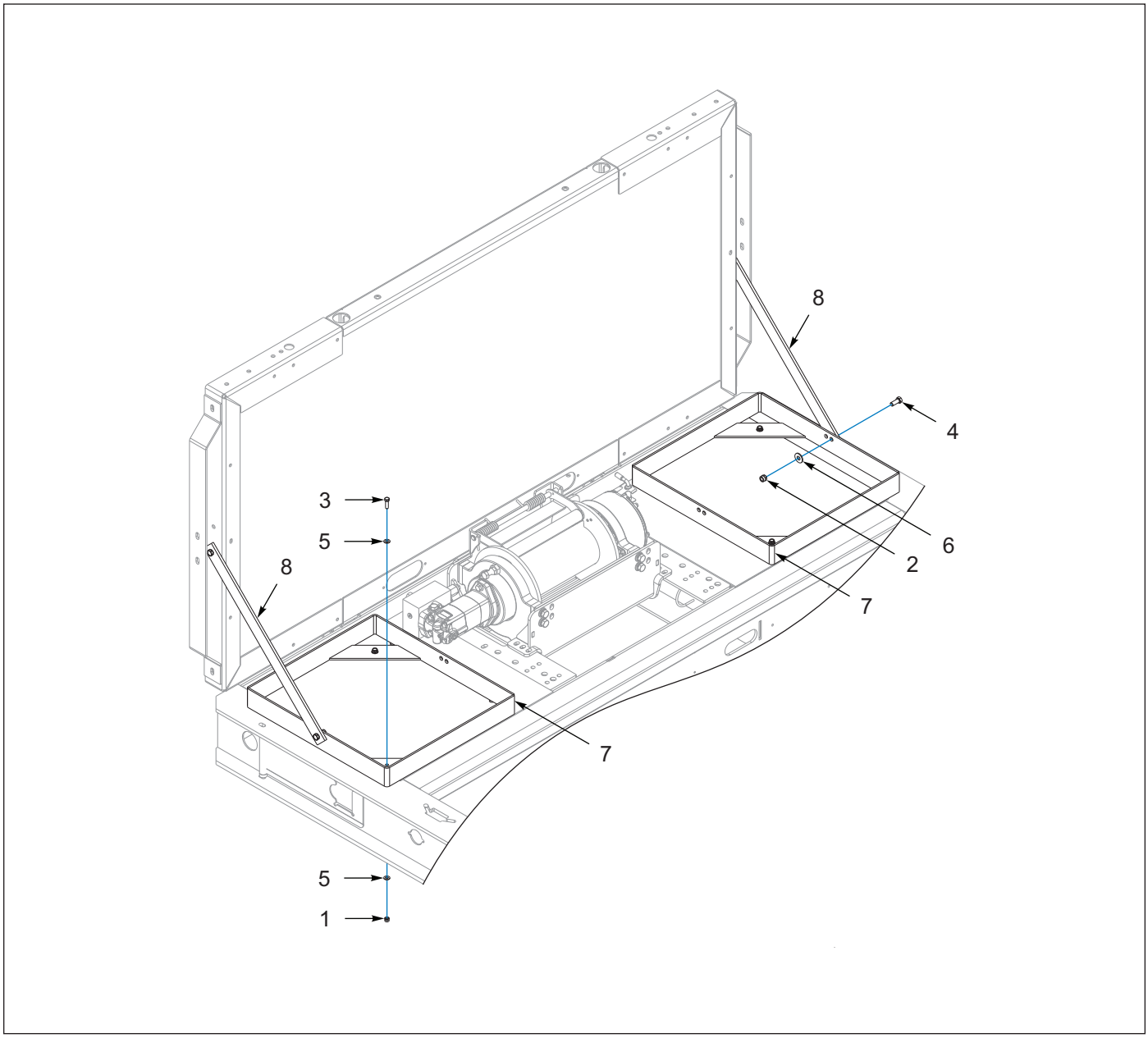


Figure 4-10: Chain Tray, Bulkhead / Upper Deck, Bolt-On

Chain Tray, Bulkhead / Upper Deck, Bolt-On

ITEM	PART NUMBER	DESCRIPTION	QTY.
	142534	CHAIN TRAY ASSY UD410	- -
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	4
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
3	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	4
4	1-654-010055-02	SCREW 1/2-13UNCX1-1/4 CP GR5	4
5	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	8
6	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
7	142532	CHAIN TRAY WLDMT UPPER DECK	2
8	160103	BRACE BULKHEAD TO CHAIN TRAY	2

Spare Tire Mount, Front Pocket

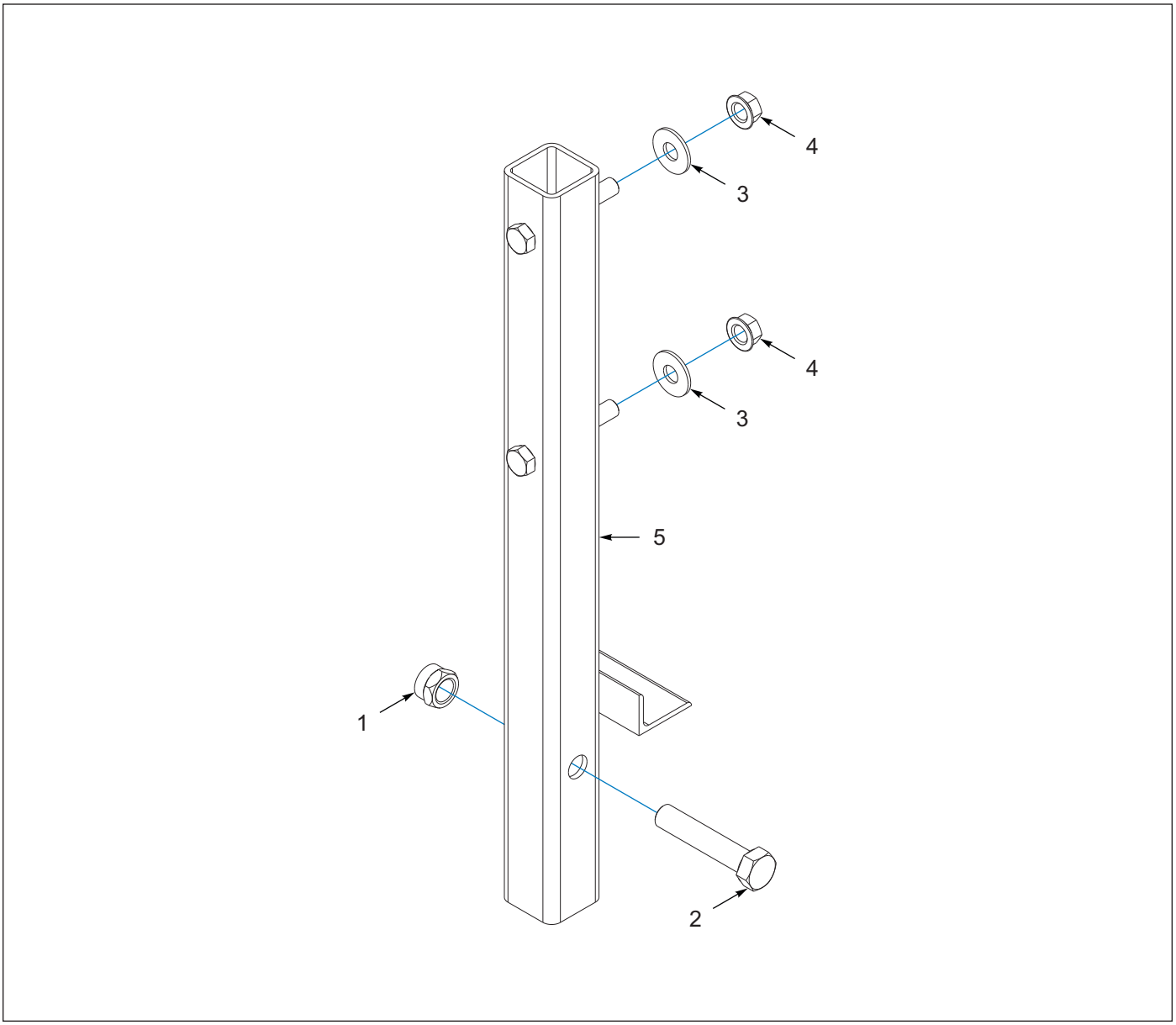


Figure 4-11: Spare Tire Mount, Front Pocket

Spare Tire Mount, Front Pocket

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 1-5)**	- -
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

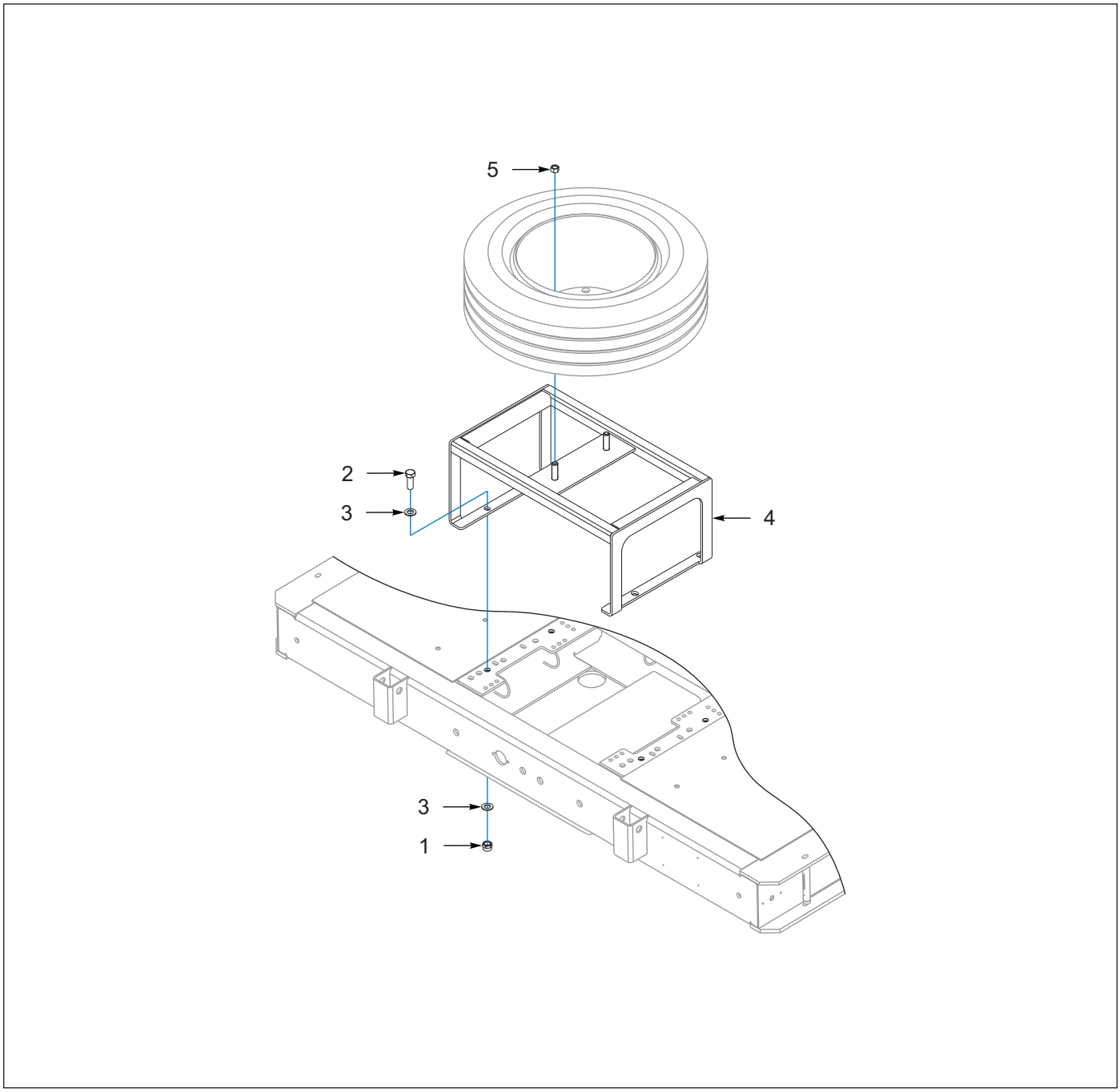


Figure 4-12: pare Tire Mount, Upper Deck

Spare Tire Mount, Upper Deck

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

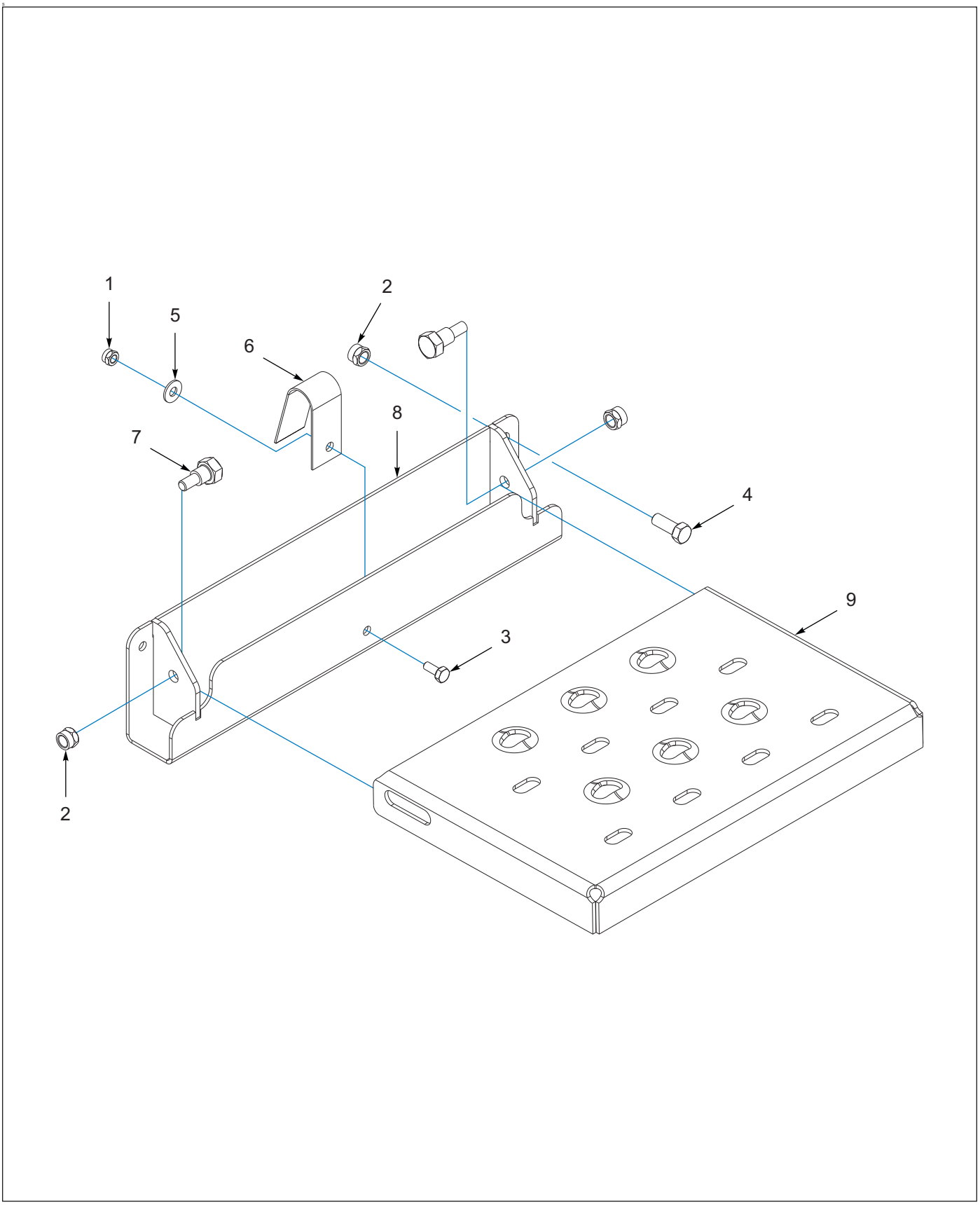


Figure 4-13: Step, Folding

Step, Folding

ITEM	PART NUMBER	DESCRIPTION	QTY.
	174061	STEP ASSY,FOLDING,YELLOW **(SA1)**	- -
	178393	STEP ASSY(2 STEPS)FOLDING F.I. **(SA2)**	- -
	189699	STEP ASSY FOLDING (BLACK) **(SA3)**	- -
	216268	STEP ASSY FOLDING GALV **(SA4)**	- -
	237222	STEP ASSY, FOLDING, TRL CLR **(SA5)**	- -
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(SA1, SA3, SA4, SA5, REQ 1)** **(SA2, REQ 2)**	- -
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(SA1, SA3, SA4, SA5, REQ 4)** **(SA2, REQ 8)**	- -
3	1-654-010047-03	SCREW, HEX 1/4-20UNCX5/8 **(SA1, SA3, SA4, SA5, REQ 1)** **(SA2, REQ 2)**	- -
4	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5 **(SA1, SA3, SA4, SA5, REQ 2)** **(SA2, REQ 4)**	- -
5	1-861-010032-07	WASHER,FLAT 1/4 ZP **(SA1, SA3, SA4, SA5, REQ 1)** **(SA2, REQ 2)**	- -
6	174092	SPRING,STAY, FOLDING STEP **(SA1, SA3, SA4, SA5, REQ 1)** **(SA2, REQ 2)**	- -
7	2-095-010017	BOLT, SHOULDER HEX HEAD **(SA1, SA3, SA4, SA5, REQ 2)** **(SA2, REQ 4)**	- -
8	220291	ANCHOR, FOLDING STEP,YELLOW **(SA1, REQ 1)** **(SA2, REQ 2)**	- -
8	190556	ANCHOR, FOLDING STEP,BLACK **(SA3)**	1
8	216267	GALV OF 174091 (STEP ANCHOR) **(SA4)**	1
8	236294	ANCHOR, FOLDING STEP, TRL CLR **(SA5)**	1
9	220292	STEP,FOLD UP,YELLOW **(SA1, REQ 1)** **(SA2, REQ 2)**	- -
9	190557	STEP FOLD UP (BLACK) **(SA3)**	1
9	216266	GALV OF 174058 (FOLDING STEP) **(SA4)**	1
9	236293	STEP, FOLD UP, TRL CLR **(SA5)**	1

Step Handle, Folding

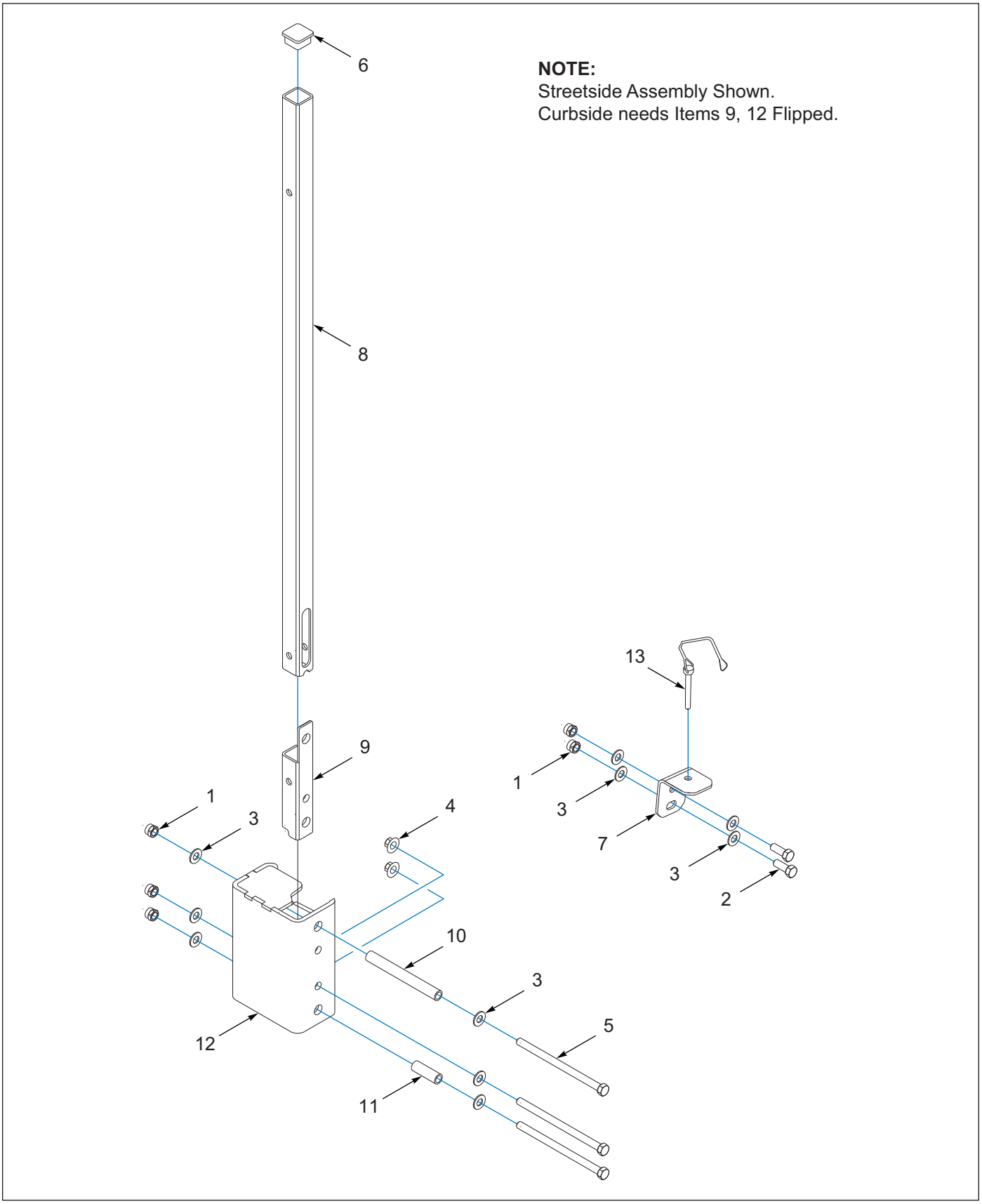
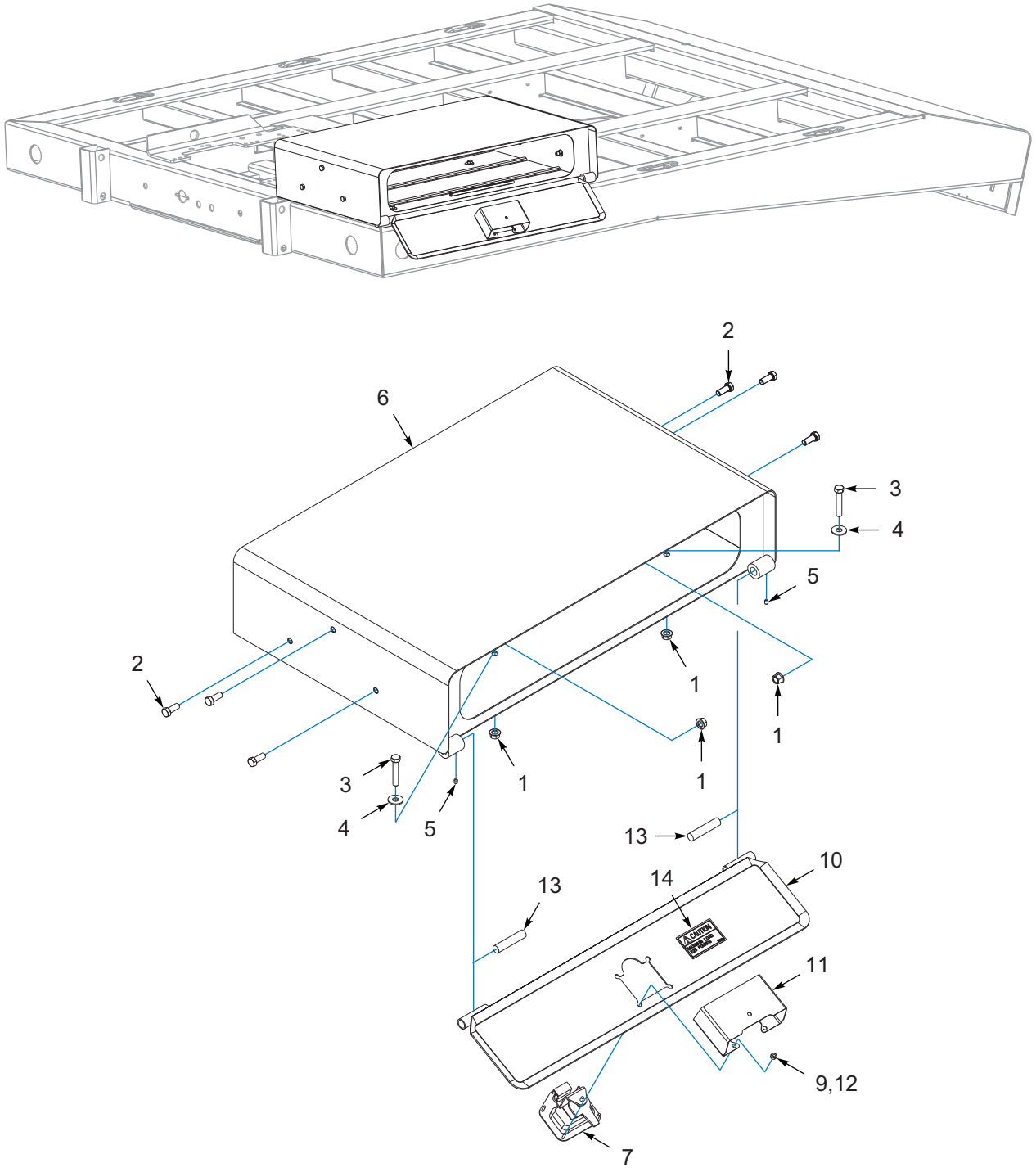


Figure 4-14: Step Handle, Folding

Step Handle, Folding

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

Toolbox, Bolt-On, 42”W X 28”D X 9”H, Upper Deck



NOT SHOWN:
8 - Seal, Door, Rubber Trim

Figure 4-15: Toolbox, Bolt-On, 42”W X 28”D X 9”H, Upper Deck

Toolbox, Bolt-On, 42”W X 28”D X 9”H, Upper Deck

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	#242LOCKTITE	LOCTITE 242 BLUE REMOVABLE **(BY THE BOTTLE)**	1
13	RPRB59004X3H	BAR RD, 3/4DIA X 3-1/2 NY LTR	2
14	205912	DECAL MAX LOAD 225	1

Toolbox, Upper Deck (See Frame Components, Upper Deck)

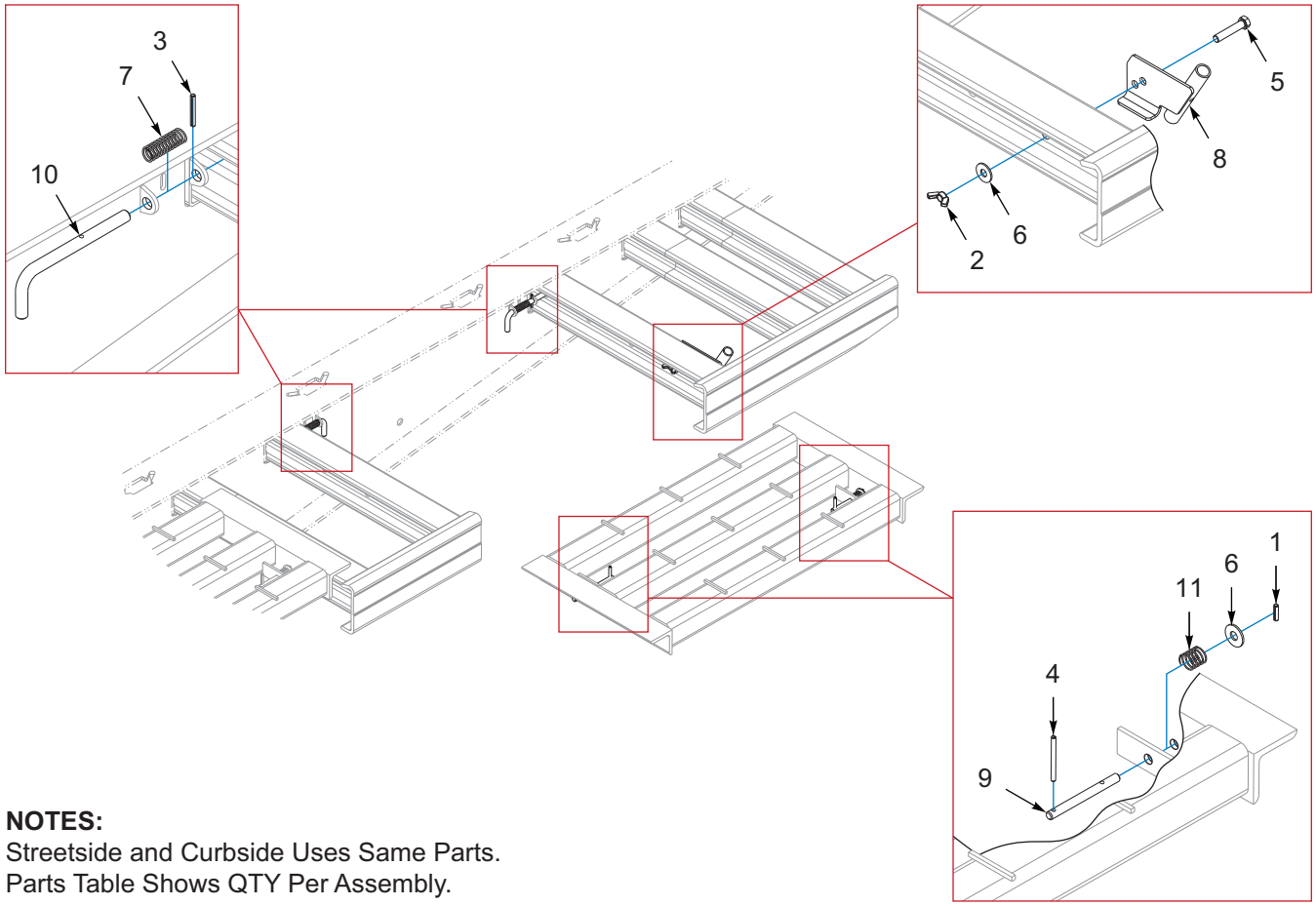
ITEM	PART NUMBER	DESCRIPTION	QTY.
	213496	NWB TLBX LID WLDMT **(BEFORE 11/14/2023)** **(NON-WEIGHT BEARING)** **(COMPONENTS - SEE PAGE 2-1)**	- -
	248104	LID, TOOLBOX, NWB PTD TRL CLR **(AFTER 11/14/2023)** **(NON-WEIGHT BEARING, PAINTED)** **(COMPONENTS - SEE PAGE 2-1)**	- -
	248105	LID,TOOLBOX,NWB,GALVANIZED **(AFTER 11/14/2023)** **(NON-WEIGHT BEARING, GALV)** **(COMPONENTS - SEE PAGE 2-1)**	- -
	213502	EURO TLBX DOOR WLDMT **(WEIGHT BEARING, NOT PAINTED)** **(COMPONENTS - SEE PAGE 2-1)**	- -
	251351	LID,TOOLBOX,WT BRG,GALVANIZED **(WEIGHT BEARING, GALV)** **(COMPONENTS - SEE PAGE 2-1)**	- -

Table provided for general use.

NOTES:

Outrigger (Options)

Lock Pins & Flag Holders, Pull-Out / Bridge



NOTES:
Streetside and Curbside Uses Same Parts.
Parts Table Shows QTY Per Assembly.

Figure 5-1: Lock Pins & Flag Holder, Pull-Out / Bridge

Lock Pins & Flag Holders, Pull-Out / Bridge

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	0600-250-01000	1/4X1 ROLL PIN ZP	1
2	1-533-010001	1/2-13 WING NUT 20 TYPE A	1
3	1-647-010004177	PIN,SPRING,SLTD 3/16X1-1/2	1
4	1-647-010004225	SPRING PIN,SLOT TYPE 1/4X3	1
5	1-654-010055-07	SCREW HX CP 1/2-13UNCX2-1/2	1
6	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	1
7	104253	SPRING,COMPRESSION P/OEXTLOCK	1
8	108859	WLDMT, BRACKET, FLAG HOLDER	1
9	118723	PIN, SLIDE LOCK EXT	1
10	120457	PIN P/O EXT LOCK 425	1
11	CO-975-74-2000	SPRING COMPRESSION	1

Lock Pins & Stop Blocks, Swing-Out / Front & Rear Pull-Out

NOTES:
Streetside and Curbside Uses Same Parts.
Parts Table Shows QTY Per Assembly.

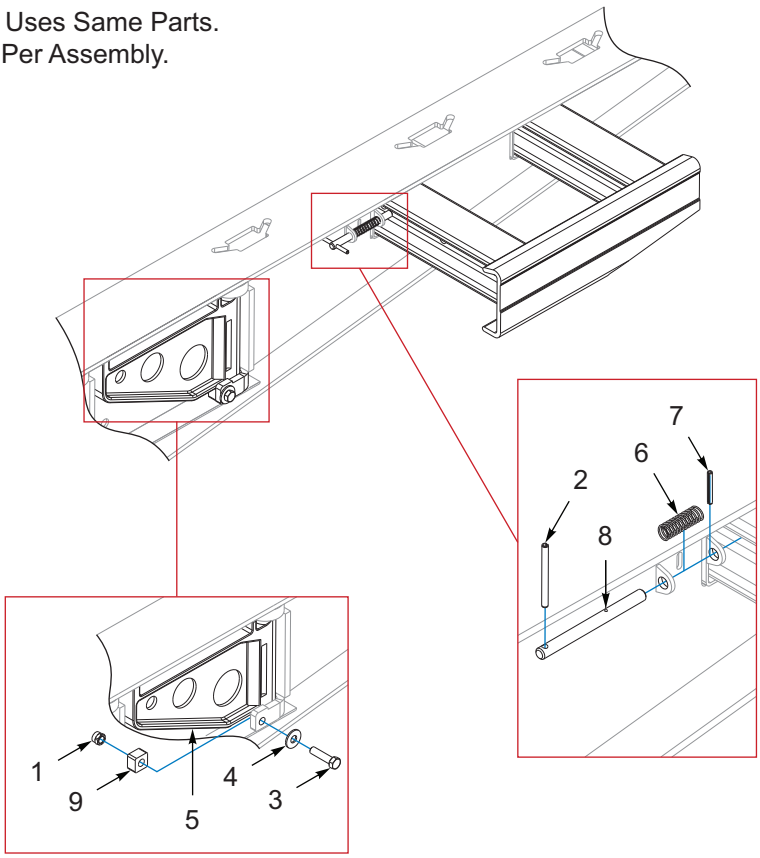


Figure 5-2: Lock Pins & Stop Blocks, Swing-Out / Front & Rear Pullout

Lock Pins & Stop Blocks, Swing-Out / Front & Rear Pull-Out

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	1
2	1-647-010004225	SPRING PIN,SLOT TYPE 1/4X3	1
3	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2 GR5	1
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	1
5	167-0022	OUTRIGGER FOR 10 CHANNEL	1
6	104253	SPRING,COMPRESSION P/OEXTLOCK	1
7	125520	PIN SPRING SLOTTED 1/8X1-1/2	1
8	128539	PIN, SLIDE LOCK	1
9	184391	STOP BLOCK O/R 400	1

Pull-Out / Bridge, 2 Axle, 45 Foot

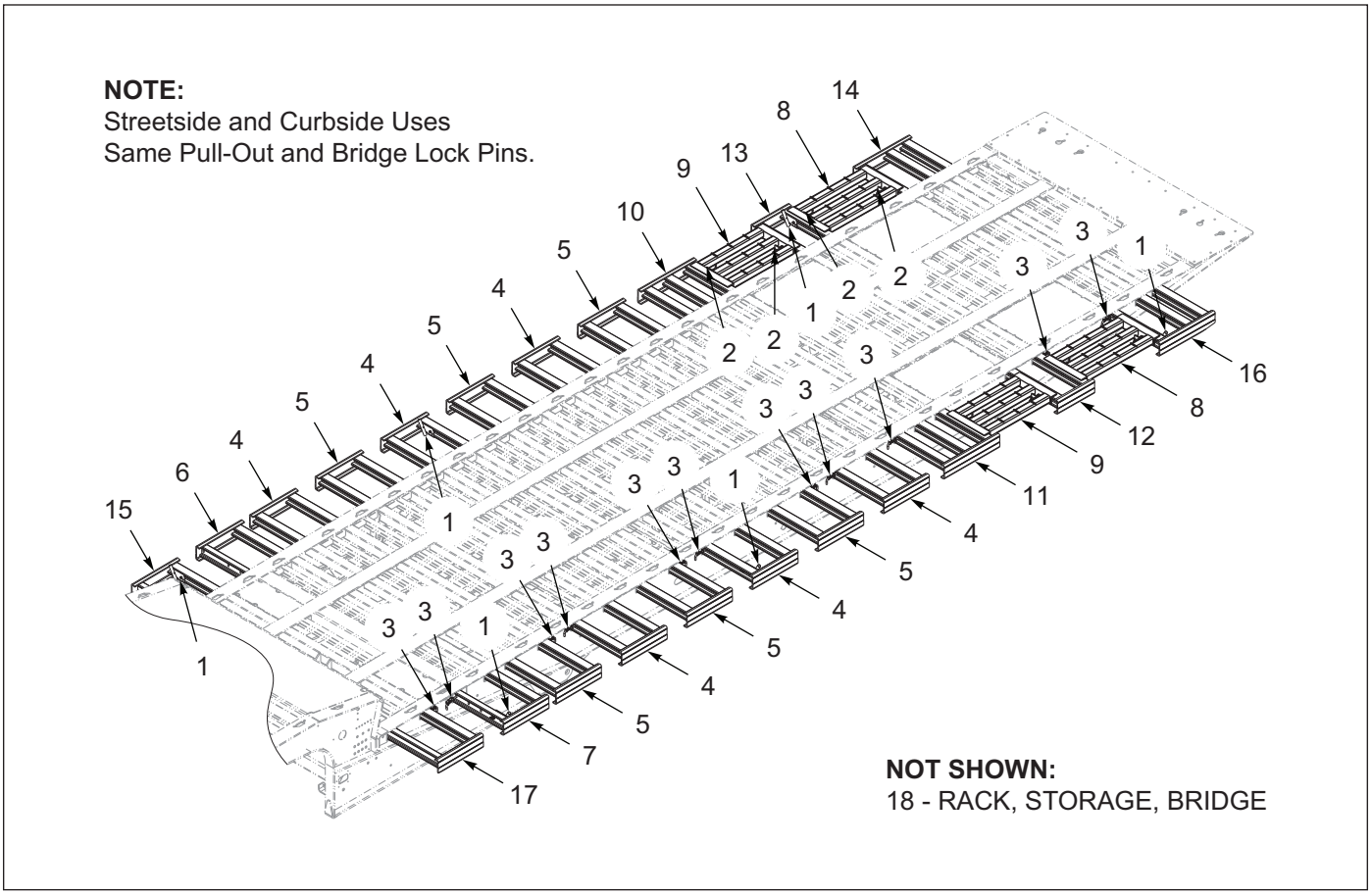


Figure 5-3: Pull-Out / Bridge, 2 Axle, 45 Foot

Pull-Out / Bridge, 45 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	236258	EXTENSION INSTL 440B-45 P/O	- -
1	108859	WLDMT, BRACKET, FLAG HOLDER **(SEE PAGE 5-1)**	6
2	118723	PIN, SLIDE LOCK EXT **(SEE PAGE 5-1)**	8
3	120457	PIN P/O EXT LOCK 425 **(SEE PAGE 5-1)**	22
4	118929	PULLOUT WLDMT, LH 435/410	6
5	118930	PULLOUT WLDMT, RH 435/410	6
6	120458	PULLOUT WLDMT, FRT-RH 435/410	1
7	120459	PULLOUT WLDMT, FRT-LH 423/410	1
8	120492	EXTENSION WLDMT REAR WHL WELL **(33-1/4 INCHES)**	2
9	126609	EXT. WLDMT FRT WHL WELL 410 **(30-1/4 INCHES)**	2
10	130544	PULLOUT WLDMT AL RH27/10&10	1
11	130545	PULLOUT WLDMT AL LH27/10&10	1
12	130546	PULLOUT WLDMT AL RH 18/13	1
13	130547	PULLOUT WLDMT LH AL 18/13	1
14	130548	PULLOUT WLDMT AL REAR RH 435	1
16	130549	PULLOUT WLDMT AL REAR LH 435	1
15	131232	PULLOUT WLDMT AL FRT LH 435	1
17	131233	PULLOUT WLDMT AL FRT RH 435	1
18	- - - - -	RACK, STORAGE, BRIDGE **(SEE PAGE 5-3)**	- -

Pull-Out / Bridge, 2 Axle, 48 Foot

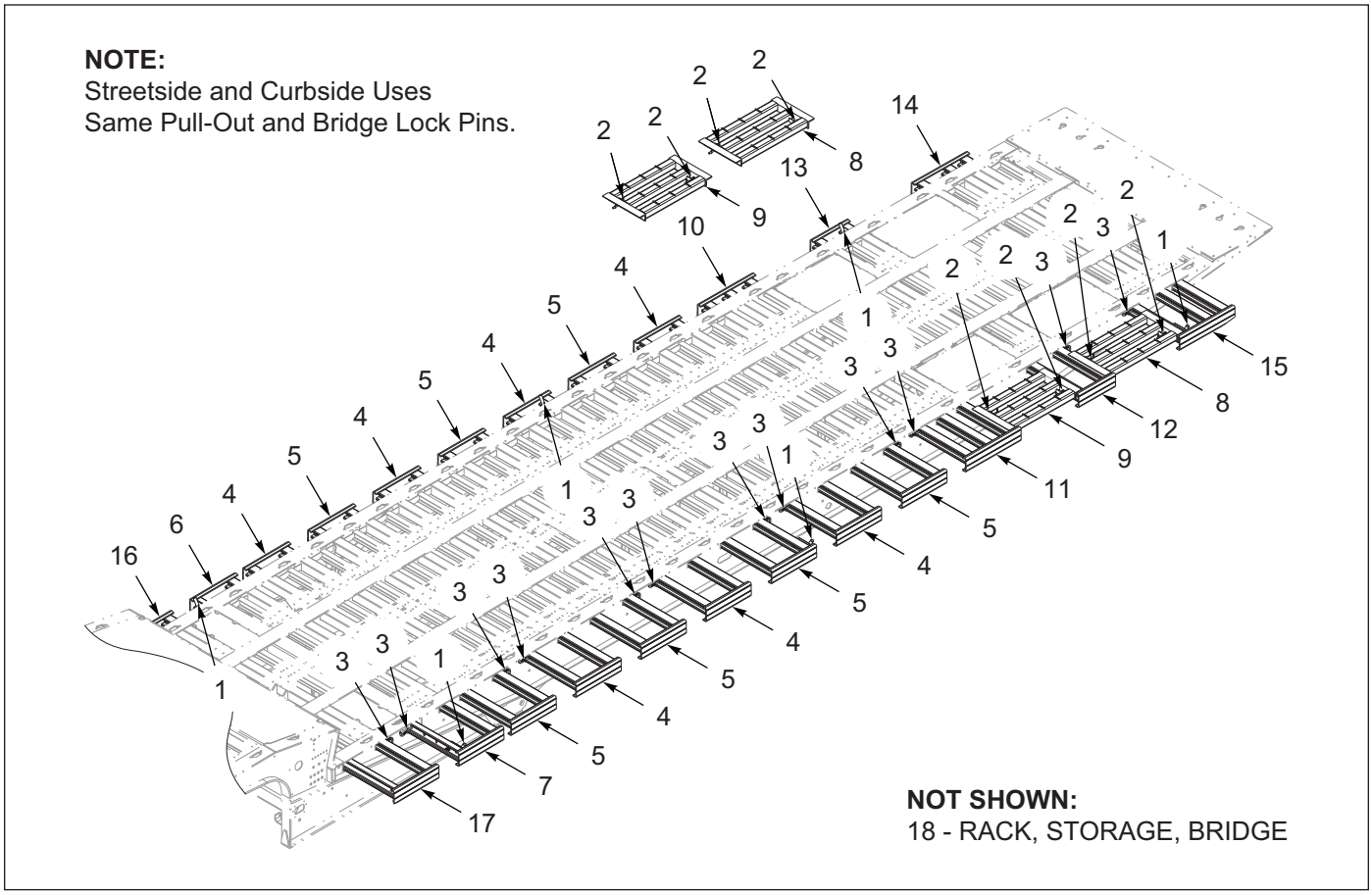


Figure 5-4: Pull-Out / Bridge, 2 Axle, 48 Foot

Pull-Out / Bridge, 48 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	130543	EXTENSION INSTL 435-48 P/O	- -
1	108859	WLDMT, BRACKET, FLAG HOLDER **(SEE PAGE 5-1)**	6
2	118723	PIN, SLIDE LOCK EXT **(SEE PAGE 5-1)**	8
3	120457	PIN P/O EXT LOCK 425 **(SEE PAGE 5-1)**	24
4	118929	PULLOUT WLDMT, LH 435/410	7
5	118930	PULLOUT WLDMT, RH 435/410	7
6	120458	PULLOUT WLDMT, FRT-RH 435/410	1
7	120459	PULLOUT WLDMT, FRT-LH 423/410	1
8	120492	EXTENSION WLDMT REAR WHL WELL **(33-1/4 INCHES)**	2
9	126609	EXT. WLDMT FRT WHL WELL 410 **(30-1/4 INCHES)**	2
10	130544	PULLOUT WLDMT AL RH27/10&10	1
11	130545	PULLOUT WLDMT AL LH27/10&10	1
12	130546	PULLOUT WLDMT AL RH 18/13	1
13	130547	PULLOUT WLDMT LH AL 18/13	1
14	130548	PULLOUT WLDMT AL REAR RH 435	1
15	130549	PULLOUT WLDMT AL REAR LH 435	1
16	131232	PULLOUT WLDMT AL FRT LH 435	1
17	131233	PULLOUT WLDMT AL FRT RH 435	1
18	- - - - -	RACK, STORAGE, BRIDGE **(SEE PAGE 5-3)**	- -

Pull-Out / Bridge, 2 Axle, 50 Foot, CA

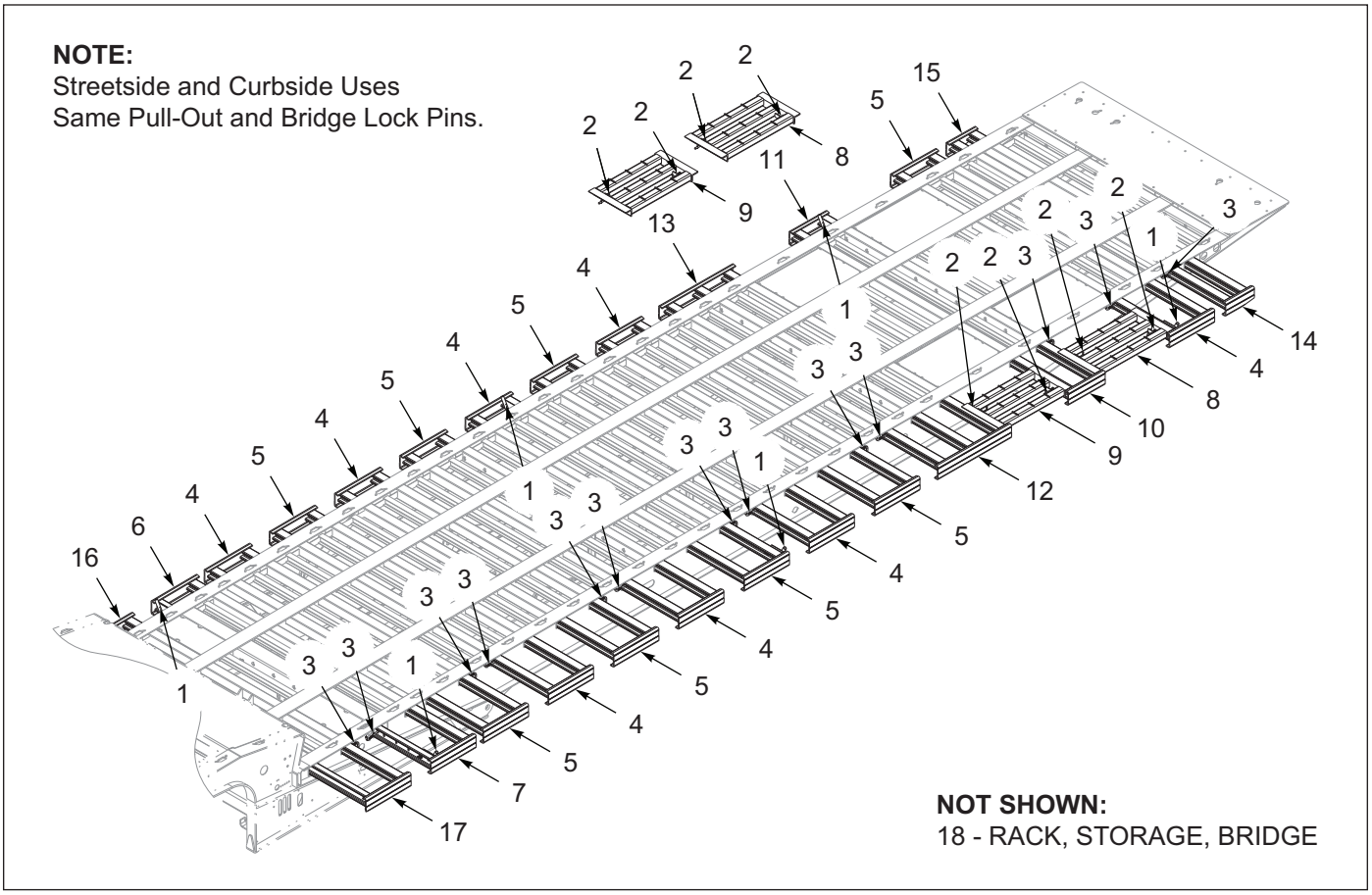


Figure 5-5: Pull-Out / Bridge, 2 Axle, 50 Foot, CA

Pull-Out / Bridge, 2 Axle, 50 Foot, CA

ITEM	PART NUMBER	DESCRIPTION	QTY.
	131108	EXTENSION INSTL P/O 435-50CA	- -
1	108859	WLDMT, BRACKET, FLAG HOLDER **(SEE PAGE 5-1)**	6
2	118723	PIN, SLIDE LOCK EXT **(SEE PAGE 5-1)**	8
3	120457	PIN P/O EXT LOCK 425 **(SEE PAGE 5-1)**	26
4	118929	PULLOUT WLDMT, LH 435/410	8
5	118930	PULLOUT WLDMT, RH 435/410	8
6	120458	PULLOUT WLDMT, FRT-RH 435/410	1
7	120459	PULLOUT WLDMT, FRT-LH 423/410	1
8	120492	EXTENSION WLDMT REAR WHL WELL **(33-1/4 INCHES)**	2
9	126609	EXT. WLDMT FRT WHL WELL 410 **(30-1/4 INCHES)**	2
10	130546	PULLOUT WLDMT AL RH 18/13	1
11	130547	PULLOUT WLDMT LH AL 18/13	1
12	130583	PULLOUT WLDMT AL LH 36/14&14	1
13	130584	PULLOUT WLDMT AL RH 36/14&14	1
14	130585	PULLOUT WLDMT 14 AL REAR LH	1
15	130586	PULLOUT WLDMT 14 AL REAR RH	1
16	131232	PULLOUT WLDMT AL FRT LH 435	1
17	131233	PULLOUT WLDMT AL FRT RH 435	1
18	- - - - -	RACK, STORAGE, BRIDGE **(SEE PAGE 5-3)**	- -

Pull-Out / Bridge, 2 Axle, 53 Foot

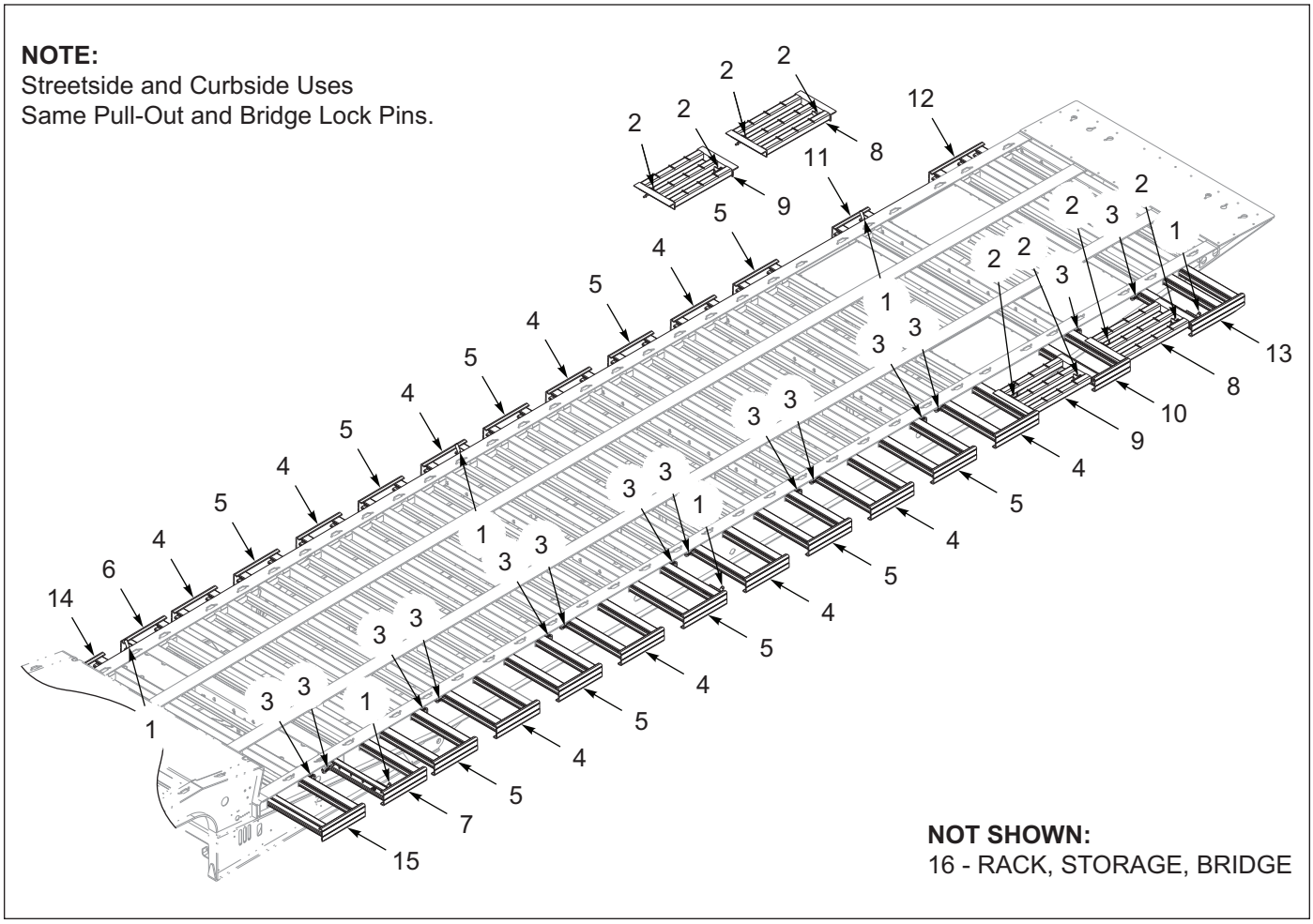


Figure 5-6: Pull-Out / Bridge, 2 Axle, 53 Foot

Pull-Out / Bridge, 2 Axle, 53 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	131131	EXTENSION INSTL P/O 435-53	- -
1	108859	WLDMT, BRACKET, FLAG HOLDER **(SEE PAGE 5-1)**	6
2	118723	PIN, SLIDE LOCK EXT **(SEE PAGE 5-1)**	8
3	120457	PIN P/O EXT LOCK 425 **(SEE PAGE 5-1)**	28
4	118929	PULLOUT WLDMT, LH 435/410	10
5	118930	PULLOUT WLDMT, RH 435/410	10
6	120458	PULLOUT WLDMT, FRT-RH 435/410	1
7	120459	PULLOUT WLDMT, FRT-LH 423/410	1
8	120492	EXTENSION WLDMT REAR WHL WELL **(33-1/4 INCHES)**	2
9	126609	EXT. WLDMT FRT WHL WELL 410 **(30-1/4 INCHES)**	2
10	130546	PULLOUT WLDMT AL RH 18/13	1
11	130547	PULLOUT WLDMT LH AL 18/13	1
12	130548	PULLOUT WLDMT AL REAR RH 435	1
13	130549	PULLOUT WLDMT AL REAR LH 435	1
14	131232	PULLOUT WLDMT AL FRT LH 435	1
15	131233	PULLOUT WLDMT AL FRT RH 435	1
16	- - - - -	RACK, STORAGE, BRIDGE **(SEE PAGE 5-3)**	- -

Pull-Out / Bridge, 3 Axle, 48 Foot

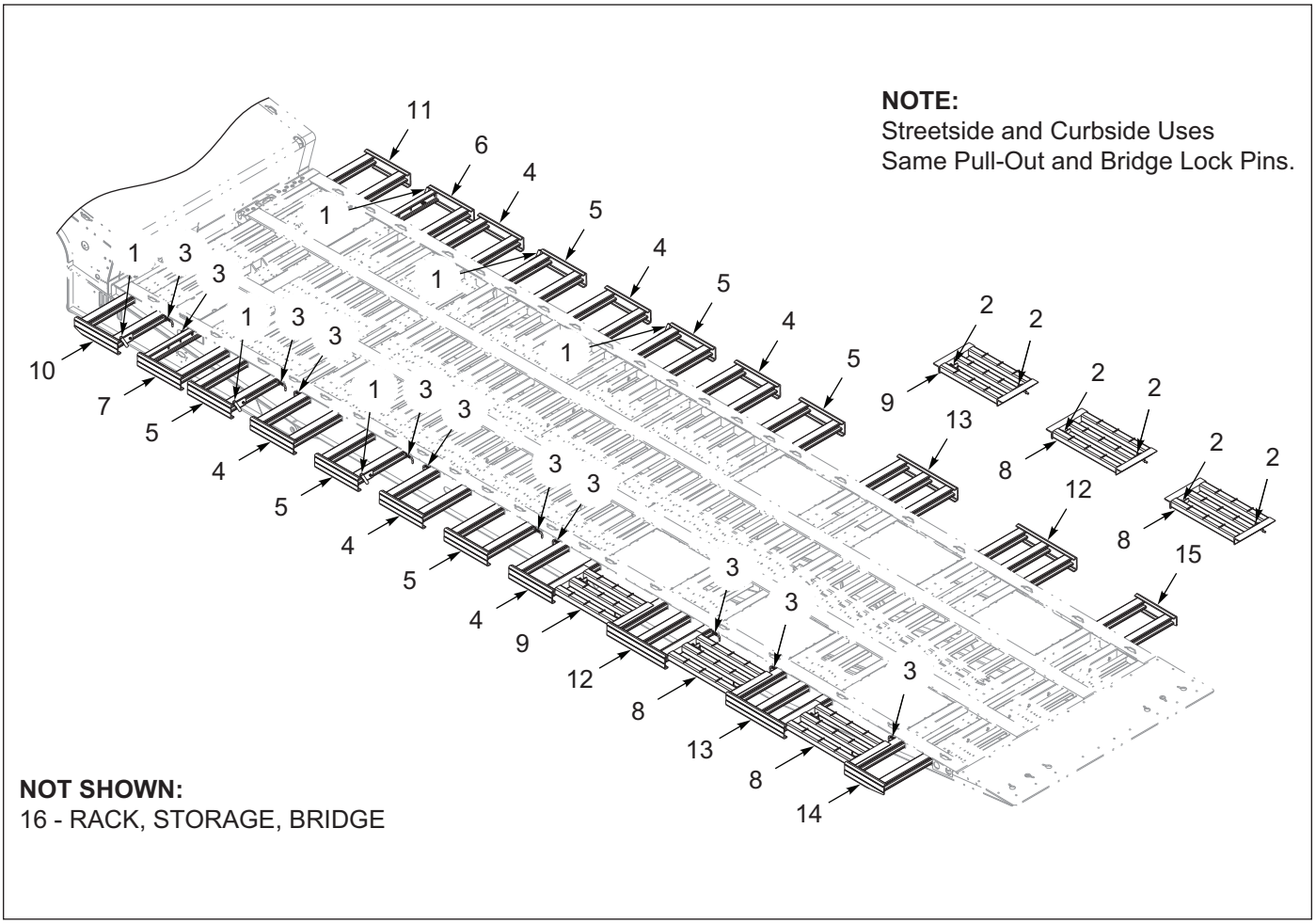


Figure 5-7: Pull-Out / Bridge, 3 Axle, 48 Foot

Pull-Out / Bridge, 3 Axle, 48 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	170378	EXTENSION INSTL 455-48 PO	- -
1	108859	WLDMT, BRACKET, FLAG HOLDER **(SEE PAGE 5-1)**	6
2	118723	PIN, SLIDE LOCK EXT **(SEE PAGE 5-1)**	12
3	120457	PIN P/O EXT LOCK 425 **(SEE PAGE 5-1)**	22
4	118929	PULLOUT WLDMT, LH 435/410	6
5	118930	PULLOUT WLDMT, RH 435/410	6
6	120458	PULLOUT WLDMT, FRT-RH 435/410	1
7	120459	PULLOUT WLDMT, FRT-LH 423/410	1
8	120492	EXTENSION WLDMT REAR WHL WELL **(33-1/4 INCHES)**	4
9	126609	EXT. WLDMT FRT WHL WELL 410 **(30-1/4 INCHES)**	2
10	122913	PULLOUT CLIPPED 22 RH 425WLDMT	1
11	122916	PULLOUT CLIPPED 22 LH 425WLDMT	1
12	126602	PULLOUT WLDMT AL WHL WELL RH	2
13	126603	PULLOUT WLDMT AL WHL WELL LH	2
14	126605	PULLOUT WLDMT AL REAR LH 410	1
15	126606	PULLOUT WLDMT AL REAR RH 410	1
16	- - - - -	RACK, STORAGE, BRIDGE **(SEE PAGE 5-3)**	- -

Pull-Out / Bridge, 3 Axle, 50 Foot

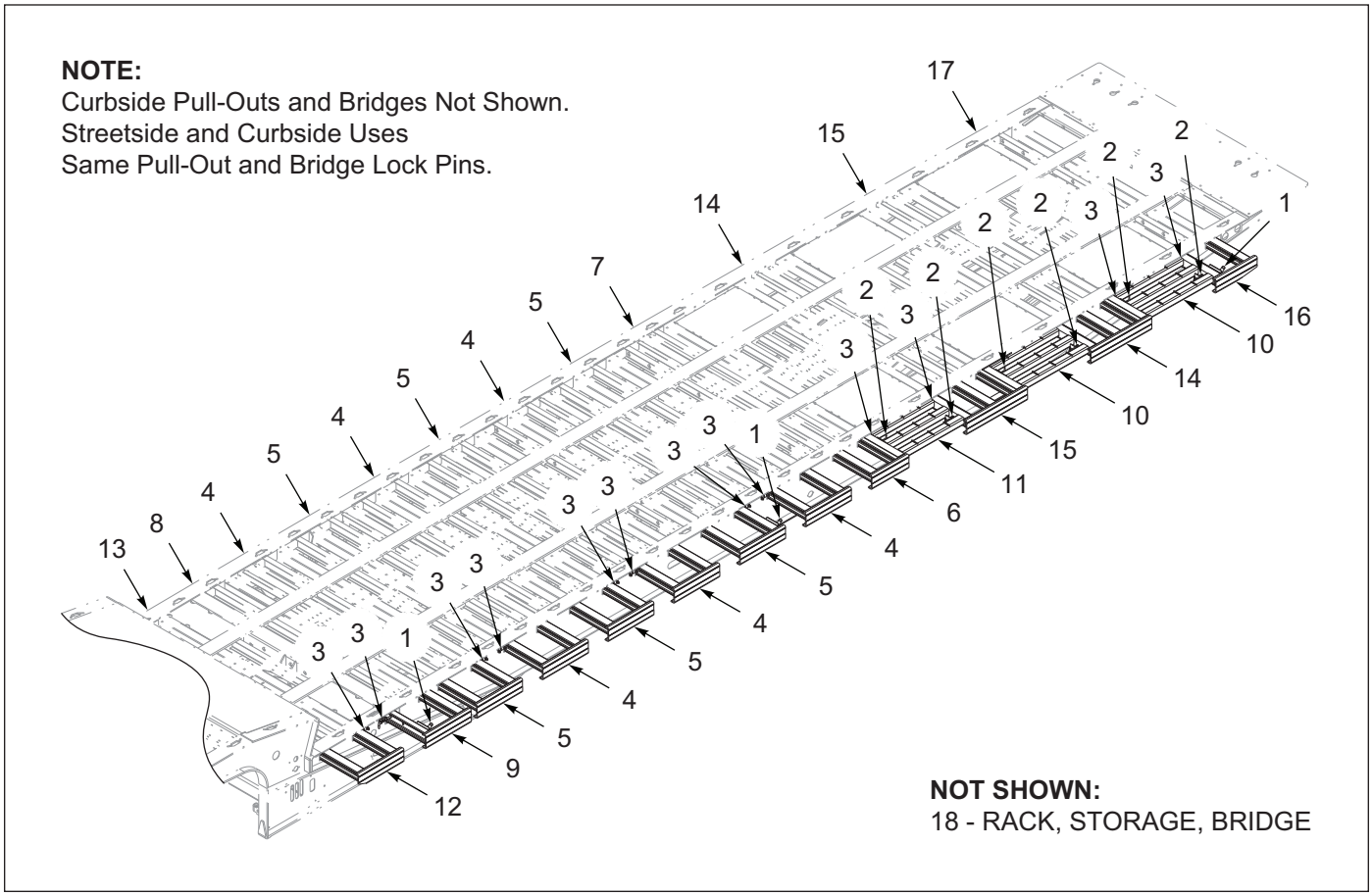


Figure 5-8: Pull-Out / Bridge, 3 Axle, 50 Foot

Pull-Out / Bridge, 3 Axle, 50 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	136396	EXTENSION INSTL 410-50 P/O	- -
1	108859	WLDMT, BRACKET, FLAG HOLDER **(SEE PAGE 5-1)**	6
2	118723	PIN, SLIDE LOCK EXT **(SEE PAGE 5-1)**	12
3	120457	PIN P/O EXT LOCK 425 **(SEE PAGE 5-1)**	24
4	118929	PULLOUT WLDMT, LH 435/410	6
5	118930	PULLOUT WLDMT, RH 435/410	6
6	120376	PULLOUT WLDMT, 18 RH 425	1
7	120377	PULLOUT WLDMT, 18 LH 425	1
8	120458	PULLOUT WLDMT, FRT-RH 435/410	1
9	120459	PULLOUT WLDMT, FRT-LH 423/410	1
10	120492	EXTENSION WLDMT REAR WHL WELL **(33-1/4 INCHES)**	4
11	126609	EXT. WLDMT FRT WHL WELL 410 **(30-1/4 INCHES)**	2
12	122913	PULLOUT CLIPPED 22 RH 425WLDMT	1
13	122916	PULLOUT CLIPPED 22 LH 425WLDMT	1
14	126602	PULLOUT WLDMT AL WHL WELL RH	2
15	126603	PULLOUT WLDMT AL WHL WELL LH	2
16	126605	PULLOUT WLDMT AL REAR LH 410	1
17	126606	PULLOUT WLDMT AL REAR RH 410	1
18	- - - - -	RACK, STORAGE, BRIDGE **(SEE PAGE 5-3)**	- -

Pull-Out / Bridge, 3 Axle, 50 Foot, CA

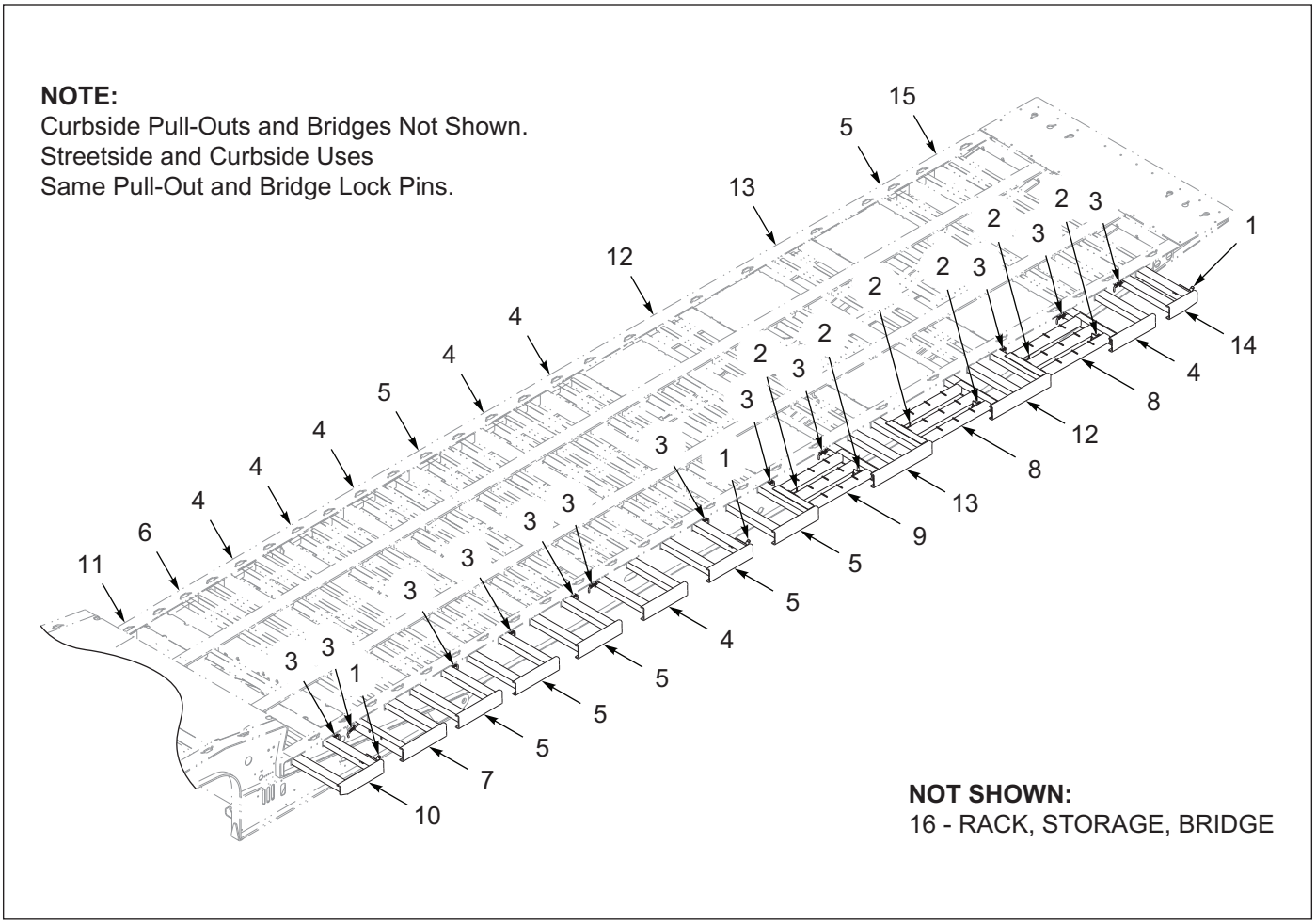


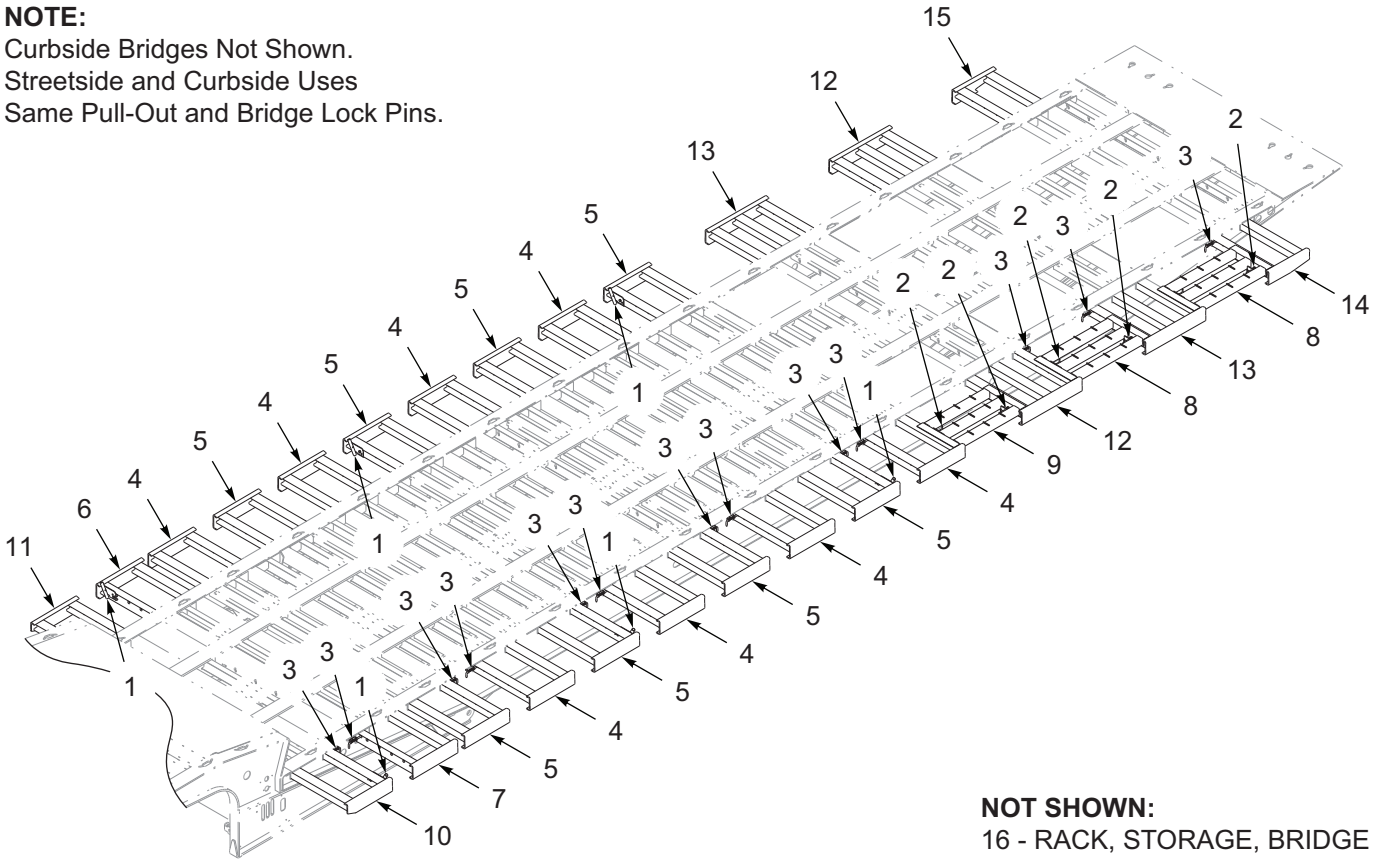
Figure 5-9: Pull-Out / Bridge, 3 Axle, 50 Foot, CA

Pull-Out / Bridge, 3 Axle, 50 Foot, CA

ITEM	PART NUMBER	DESCRIPTION	QTY.
	173511	EXTENSION INSTL 455-50CA-P/O	- -
1	108859	WLDMT, BRACKET, FLAG HOLDER **(SEE PAGE 5-1)**	6
2	118723	PIN, SLIDE LOCK EXT **(SEE PAGE 5-1)**	12
3	120457	PIN P/O EXT LOCK 425 **(SEE PAGE 5-1)**	24
4	118929	PULLOUT WLDMT, LH 435/410	7
5	118930	PULLOUT WLDMT, RH 435/410	7
6	120458	PULLOUT WLDMT, FRT-RH 435/410	1
7	120459	PULLOUT WLDMT, FRT-LH 423/410	1
8	120492	EXTENSION WLDMT REAR WHL WELL **(33-1/4 INCHES)**	4
9	126609	EXT. WLDMT FRT WHL WELL 410 **(30-1/4 INCHES)**	2
10	122913	PULLOUT CLIPPED 22 RH 425WLDMT	1
11	122916	PULLOUT CLIPPED 22 LH 425WLDMT	1
12	126602	PULLOUT WLDMT AL WHL WELL RH	2
13	126603	PULLOUT WLDMT AL WHL WELL LH	2
14	130585	PULLOUT WLDMT 14 AL REAR LH	1
15	130586	PULLOUT WLDMT 14 AL REAR RH	1
16	- - - - -	RACK, STORAGE, BRIDGE **(SEE PAGE 5-3)**	- -

Pull-Out / Bridge, 3 Axle, 53 Foot

NOTE:
Curbside Bridges Not Shown.
Streetside and Curbside Uses
Same Pull-Out and Bridge Lock Pins.



NOT SHOWN:
16 - RACK, STORAGE, BRIDGE

Figure 5-10: Pull-Out / Bridge, 3 Axle, 53 Foot

Pull-Out / Bridge, 3 Axle, 53 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	126601	EXTENSION INSTL 410-53 P/O	- -
1	108859	WLDMT, BRACKET, FLAG HOLDER **(SEE PAGE 5-1)**	6
2	118723	PIN, SLIDE LOCK EXT **(SEE PAGE 5-1)**	12
3	120457	PIN P/O EXT LOCK 425 **(SEE PAGE 5-1)**	26
4	118929	PULLOUT WLDMT, LH 435/410	8
5	118930	PULLOUT WLDMT, RH 435/410	8
6	120458	PULLOUT WLDMT, FRT-RH 435/410	1
7	120459	PULLOUT WLDMT, FRT-LH 423/410	1
8	120492	EXTENSION WLDMT REAR WHL WELL **(33-1/4 INCHES)**	4
9	126609	EXT. WLDMT FRT WHL WELL 410 **(30-1/4 INCHES)**	2
10	122913	PULLOUT CLIPPED 22 RH 425WLDMT	1
11	122916	PULLOUT CLIPPED 22 LH 425WLDMT	1
12	126602	PULLOUT WLDMT AL WHL WELL RH	2
13	126603	PULLOUT WLDMT AL WHL WELL LH	2
14	126605	PULLOUT WLDMT AL REAR LH 410	1
15	126606	PULLOUT WLDMT AL REAR RH 410	1
16	- - - - -	RACK, STORAGE, BRIDGE **(SEE PAGE 5-3)**	- -

Storage Rack, Pull-Out Bridge

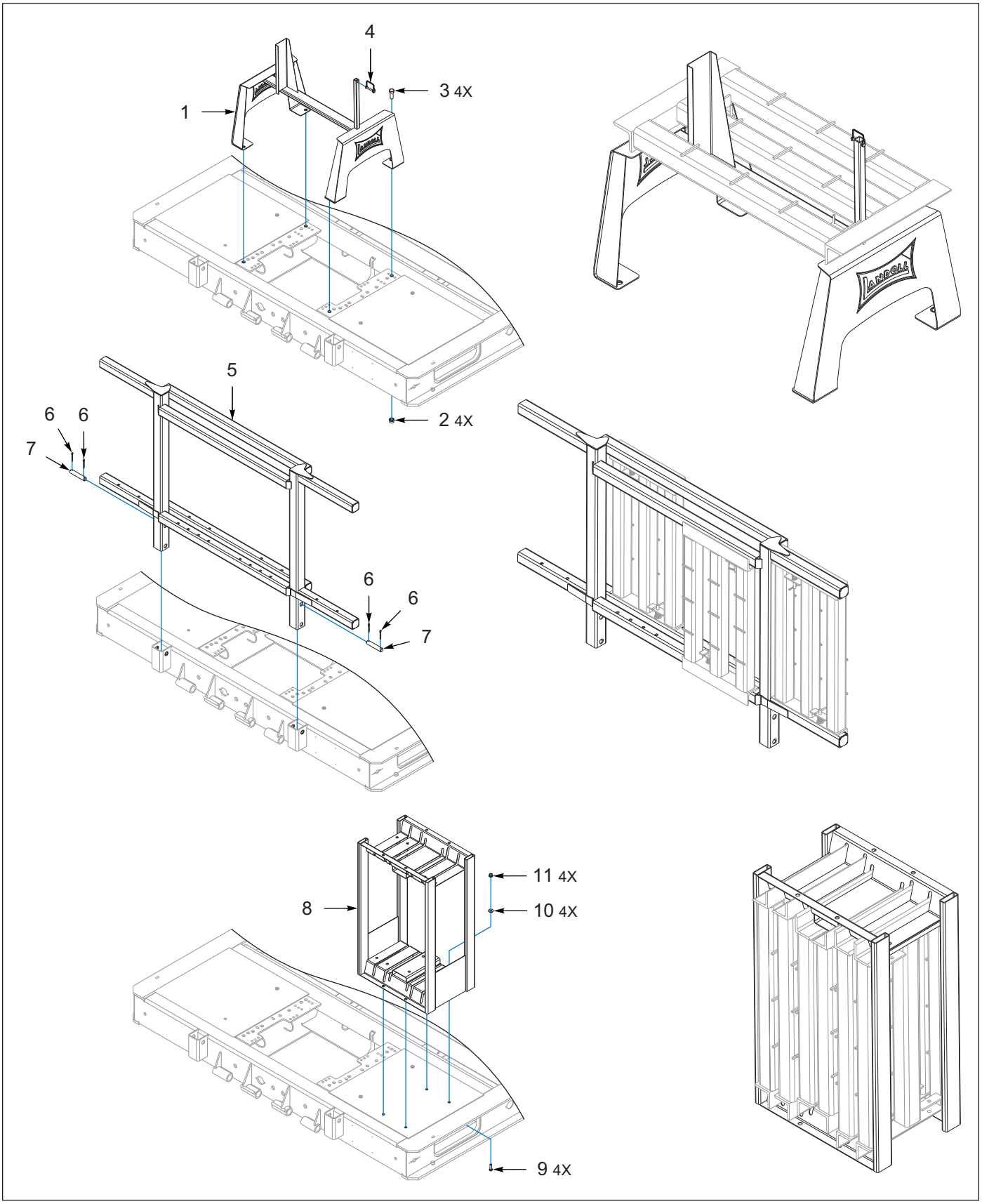


Figure 5-11: Storage Rack, Pull-Out Bridge

Storage Rack, Pull-Out Bridge

ITEM	PART NUMBER	DESCRIPTION	QTY.
	130543	EXTENSION INSTL 435-48 P/O **(REQUIRES ITEMS 1-4)**	- -
	131131	EXTENSION INSTL P/O 435-53 **(REQUIRES ITEMS 5-7)**	- -
	136828	RACK UPR/DK EXT BRIDGE STOR **(INCLUDES ITEMS 8-11)**	- -
1	130553	RACK WLDMT P/O BRIDGES	1
2	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	4
3	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	4
4	516-22PTL	RETAINING PIN MUD FLAP	1
5	126610	RACK WLDMT STORAGE EXTBRIDGES	1
6	1-557-010362-63	PIN,COTTER 1/4X2 ZP	4
7	6-557-010163	PIN HITCH LEVELING LINK	2
8	136829	RACK WLDMT U/D STOR EXT BRDG	1
9	1-654-010055-02	SCREW 1/2-13UNCX1-1/4 CP GR5	4
10	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
11	124971	NUT HX FLG 1/2-13 SPIRALOCK	4

Swing-Out / Front & Rear Pull-Out, 2 Axle, 41 / 45 / 48 / 53 Foot

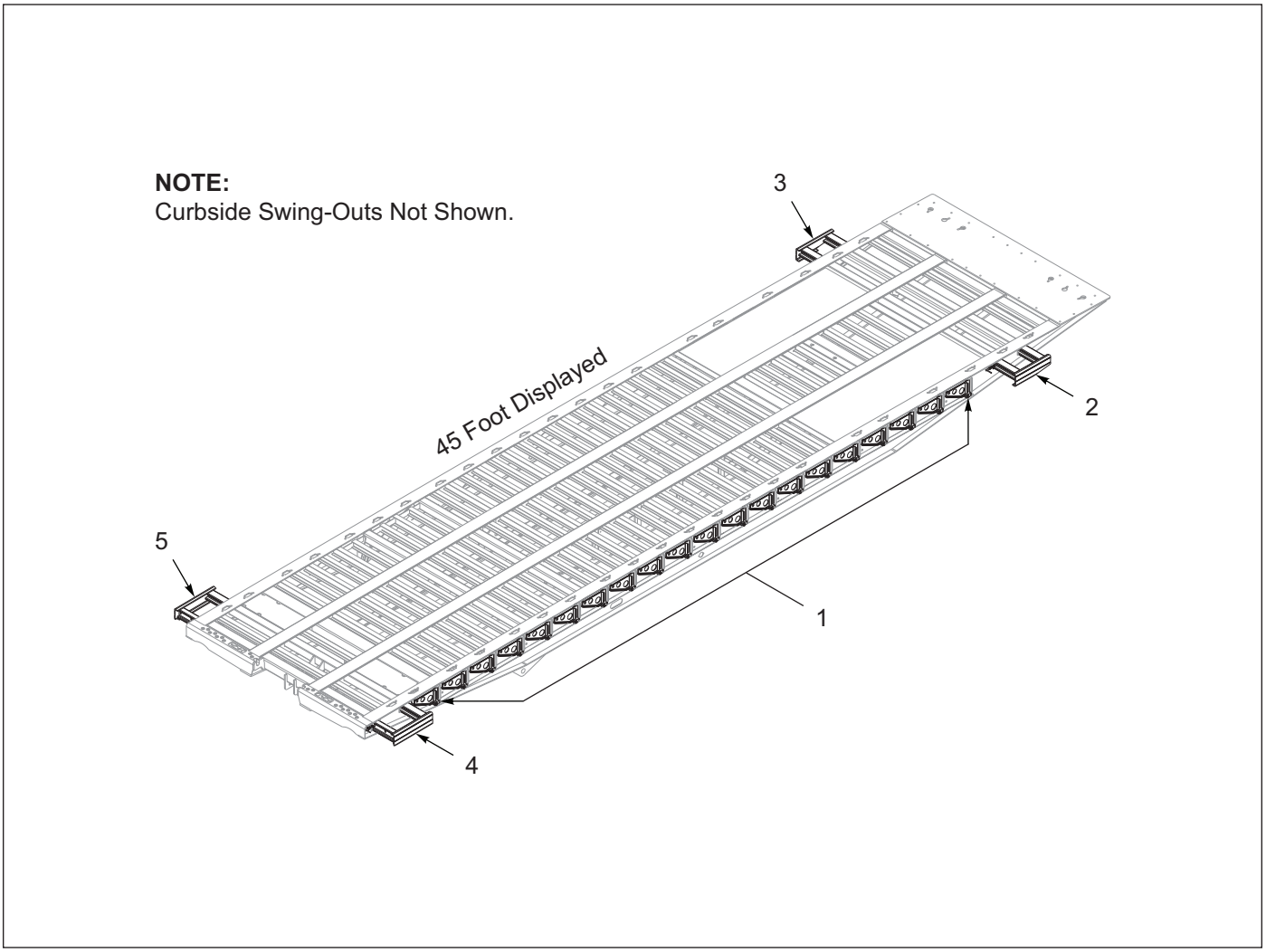


Figure 5-12: Swing-Out / Front & Rear Pull-Out, 2 Axle, 41 / 45 / 48 / 53 Foot

Swing-Out / Front & Rear Pull-Out, 2 Axle, 41 / 45 / 48 / 53 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	152673	OUTRIGGER INSTL 435-41 **(41 FT)**	- -
	137894	OUTRIGGER INSTL 435-48 **(48 FT)**	- -
	150188	OUTRIGGER INSTL 435-53 **(53 FT)**	- -
	251776	OUTRIGGER INSTL 440B-45 **(45 FT)**	- -
1	167-0022	OUTRIGGER FOR 10 CHANNEL **(HARDWARE - SEE PAGE 5-2)** **(41 FT, REQ 34) (45 FT, REQ 40) (48 FT, REQ 44) (53 FT, REQ 52)**	- -
2	128228	PULLOUT WLDMT REAR LH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
3	128229	PULLOUT WLDMT REAR RH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
4	137892	PULLOUT WLDMT AL FRT LH **(LOCK PINS - SEE PAGE 5-2)**	1
5	137893	PULLOUT WLDMT AL FRT RH **(LOCK PINS - SEE PAGE 5-2)**	1

Swing-Out / Front & Rear Pull-Out, 2 Axle, 50 Foot, CA

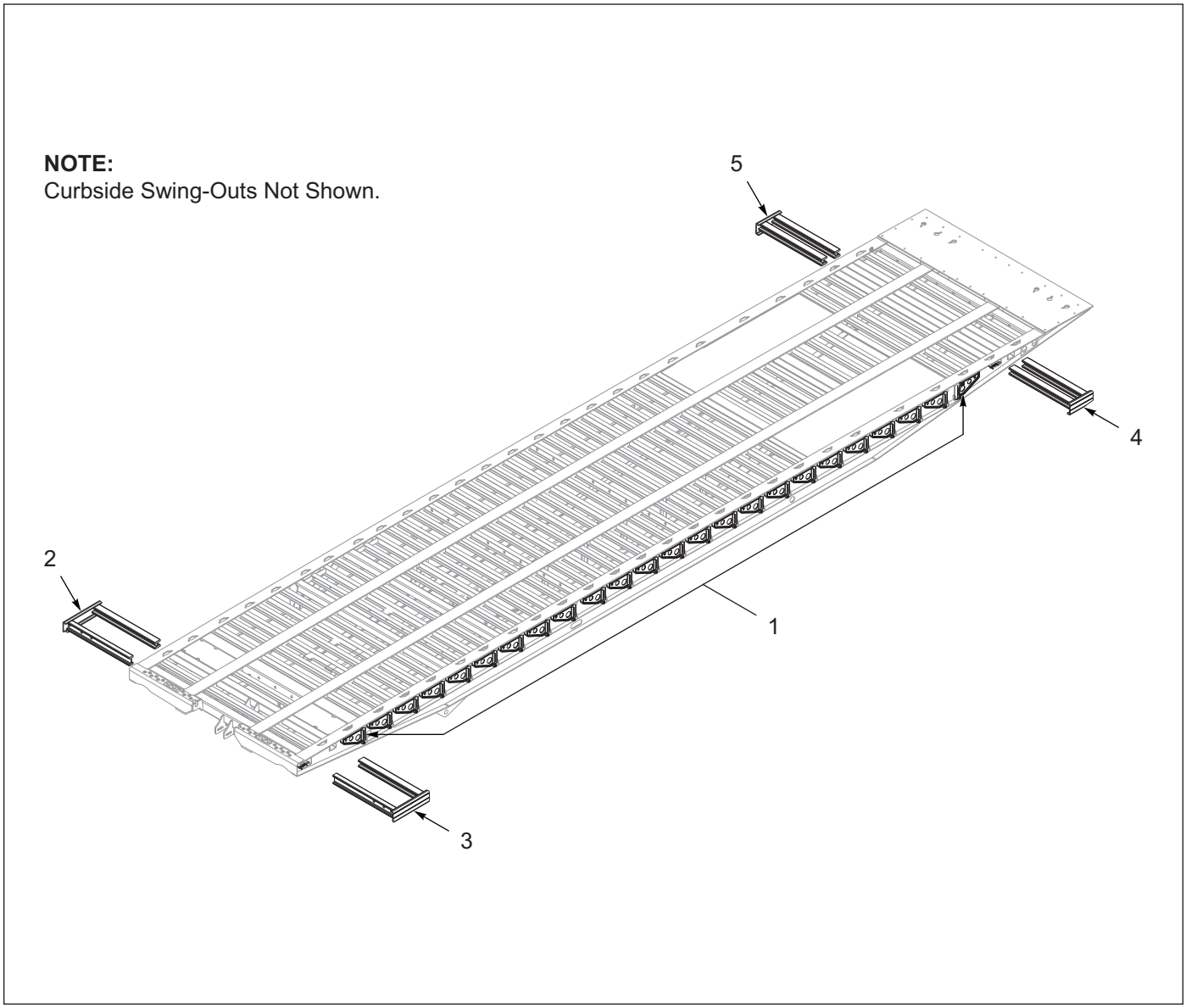


Figure 5-13: Swing-Out / Front & Rear Pull-Out, 2 Axle, 50 Foot, CA

Swing-Out / Front & Rear Pull-Out, 2 Axle, 50 Foot, CA

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178640	OUTRIGGER INSTL 440-50CA	- -
1	167-0022	OUTRIGGER FOR 10 CHANNEL **(HARDWARE - SEE PAGE 5-2)**	48
2	178641	PULLOUT WLDMT AL FRT RH50CA OR **(LOCK PINS - SEE PAGE 5-2)**	1
3	178642	PULLOUT WLDMT AL FRT LH50CA OR **(LOCK PINS - SEE PAGE 5-2)**	1
4	178643	PULLOUT WLDMT AL REARLH50CA OR **(LOCK PINS - SEE PAGE 5-2)**	1
5	178644	PULLOUT WLDMT AL REARH50CA OR **(LOCK PINS - SEE PAGE 5-2)**	1

Swing-Out / Front & Rear Pull-Out, 3 Axle, 48 Foot

NOTE:
Curbside Swing-Outs Not Shown.

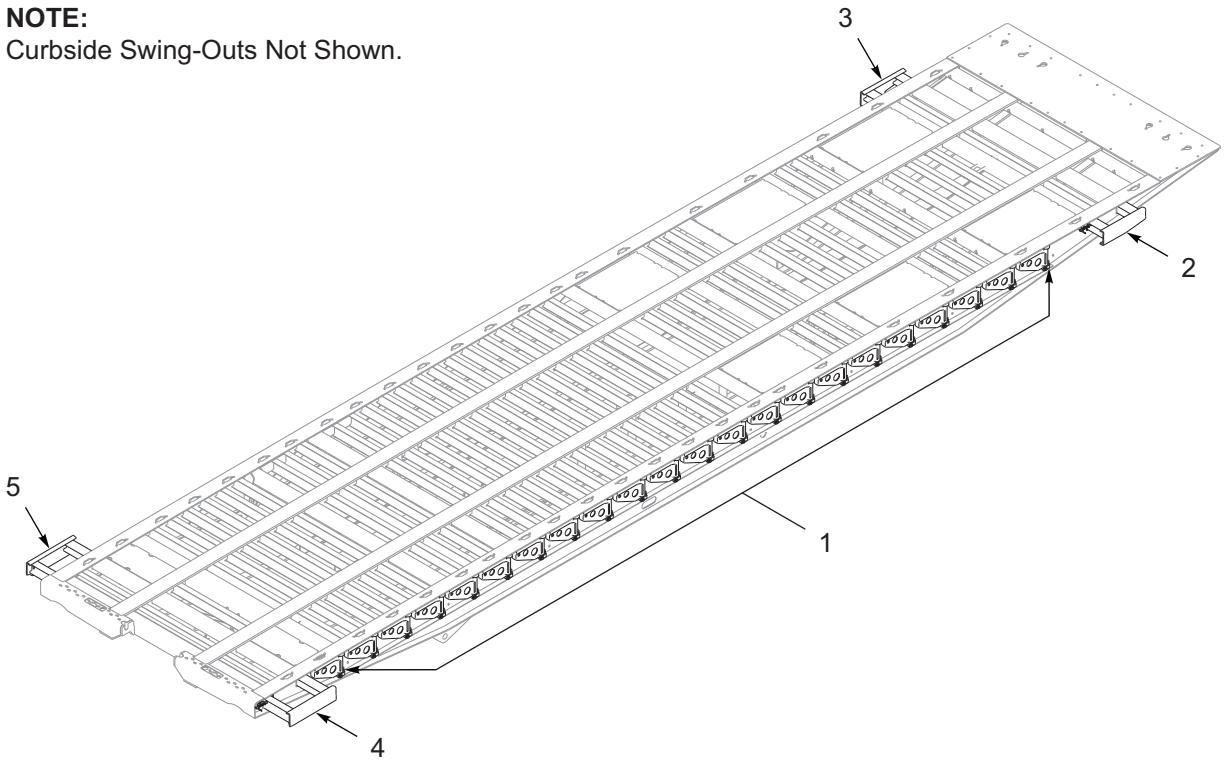


Figure 5-14: Swing-Out / Front & Rear Pull-Out, 2 Axle, 48 Foot

Swing-Out / Front & Rear Pull-Out, 3 Axle, 48 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	137894	OUTRIGGER INSTL 435-48	- -
1	167-0022	OUTRIGGER FOR 10 CHANNEL **(HARDWARE - SEE PAGE 5-2)**	44
2	128228	PULLOUT WLDMT REAR LH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
3	128229	PULLOUT WLDMT REAR RH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
4	137892	PULLOUT WLDMT AL FRT LH **(LOCK PINS - SEE PAGE 5-2)**	1
5	137893	PULLOUT WLDMT AL FRT RH **(LOCK PINS - SEE PAGE 5-2)**	1

Swing-Out / Front & Rear Pull-Out, 3 Axle, 50 Foot

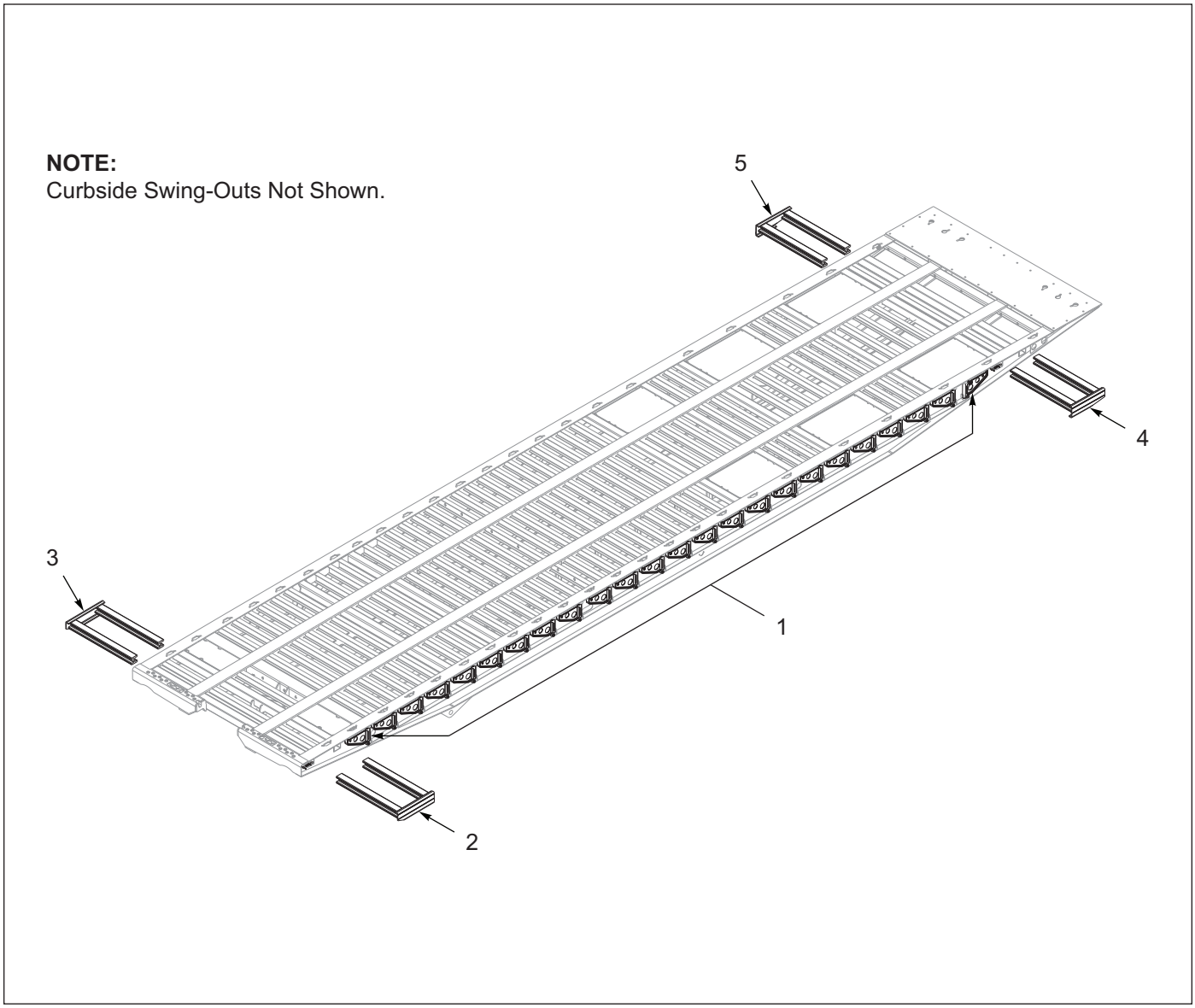


Figure 5-15: Swing-Out / Front & Rear Pull-Out, 2 Axle, 50 Foot

Swing-Out / Front & Rear Pull-Out, 3 Axle, 50 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128020	OUTRIGGER INST US410-50	- -
1	167-0022	OUTRIGGER FOR 10 CHANNEL **(HARDWARE - SEE PAGE 5-2)**	48
2	128226	PULLOUT WLDMT FRT LH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
3	128227	PULLOUT WLDMT FRT RH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
4	128228	PULLOUT WLDMT REAR LH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
5	128229	PULLOUT WLDMT REAR RH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1

Swing-Out / Front & Rear Pull-Out, 3 Axle, 53 Foot

NOTE:
Curbside Swing-Outs Not Shown.

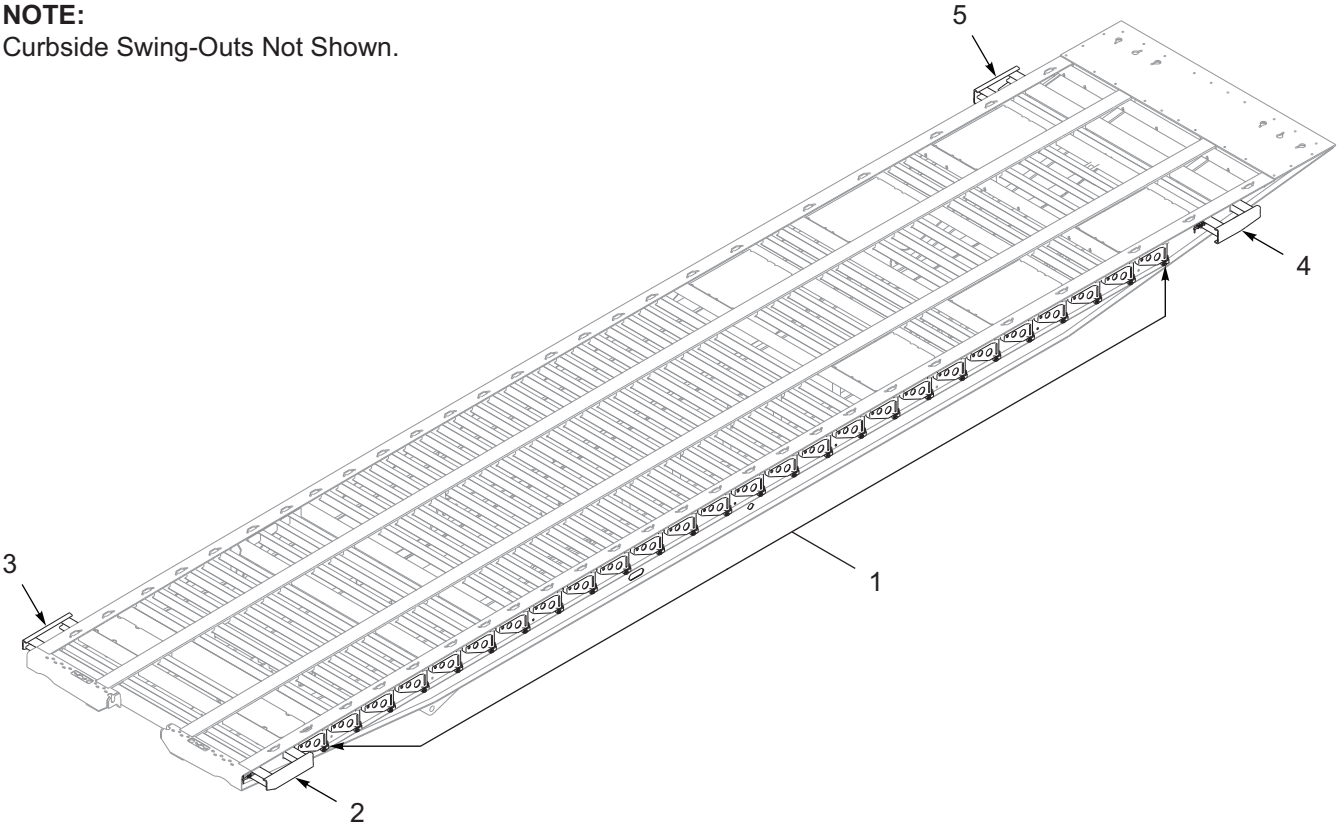


Figure 5-16: Swing-Out / Front & Rear Pull-Out, 2 Axle, 53 Foot

Swing-Out / Front & Rear Pull-Out, 3 Axle, 53 Foot

ITEM	PART NUMBER	DESCRIPTION	QTY.
	136399	OUTRIGGER INSTL US410-53	- -
1	167-0022	OUTRIGGER FOR 10 CHANNEL **(HARDWARE - SEE PAGE 5-2)**	52
2	128226	PULLOUT WLDMT FRT LH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
3	128227	PULLOUT WLDMT FRT RH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
4	128228	PULLOUT WLDMT REAR LH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1
5	128229	PULLOUT WLDMT REAR RH 410 O/R **(LOCK PINS - SEE PAGE 5-2)**	1

Table provided for general use.

NOTES:

Power Unit, Hydraulic (Options)

Engine, 25HP, Upper Deck Assembly

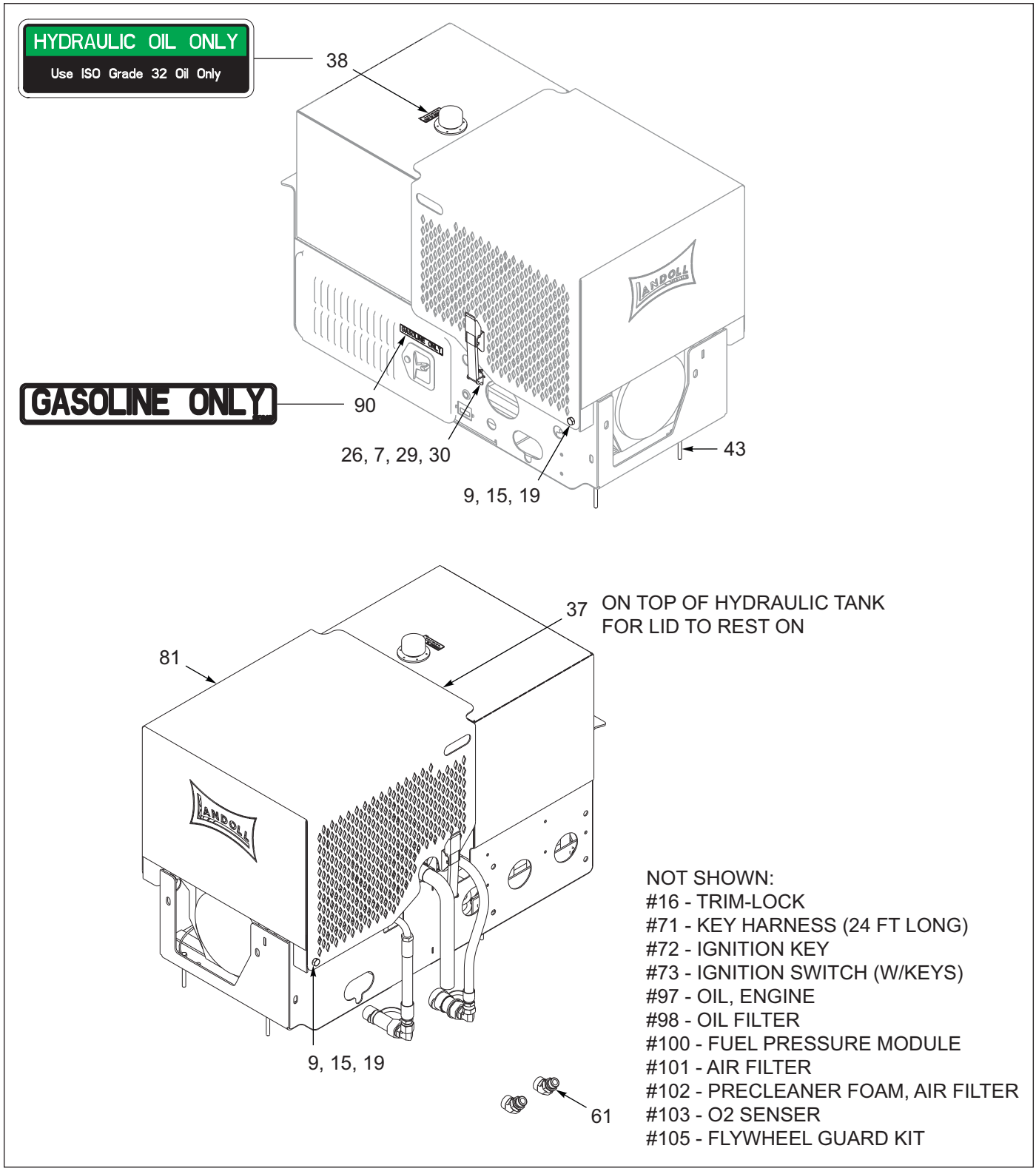


Figure 6-1: Engine, 25HP, Upper Deck Assembly (1 of 5)

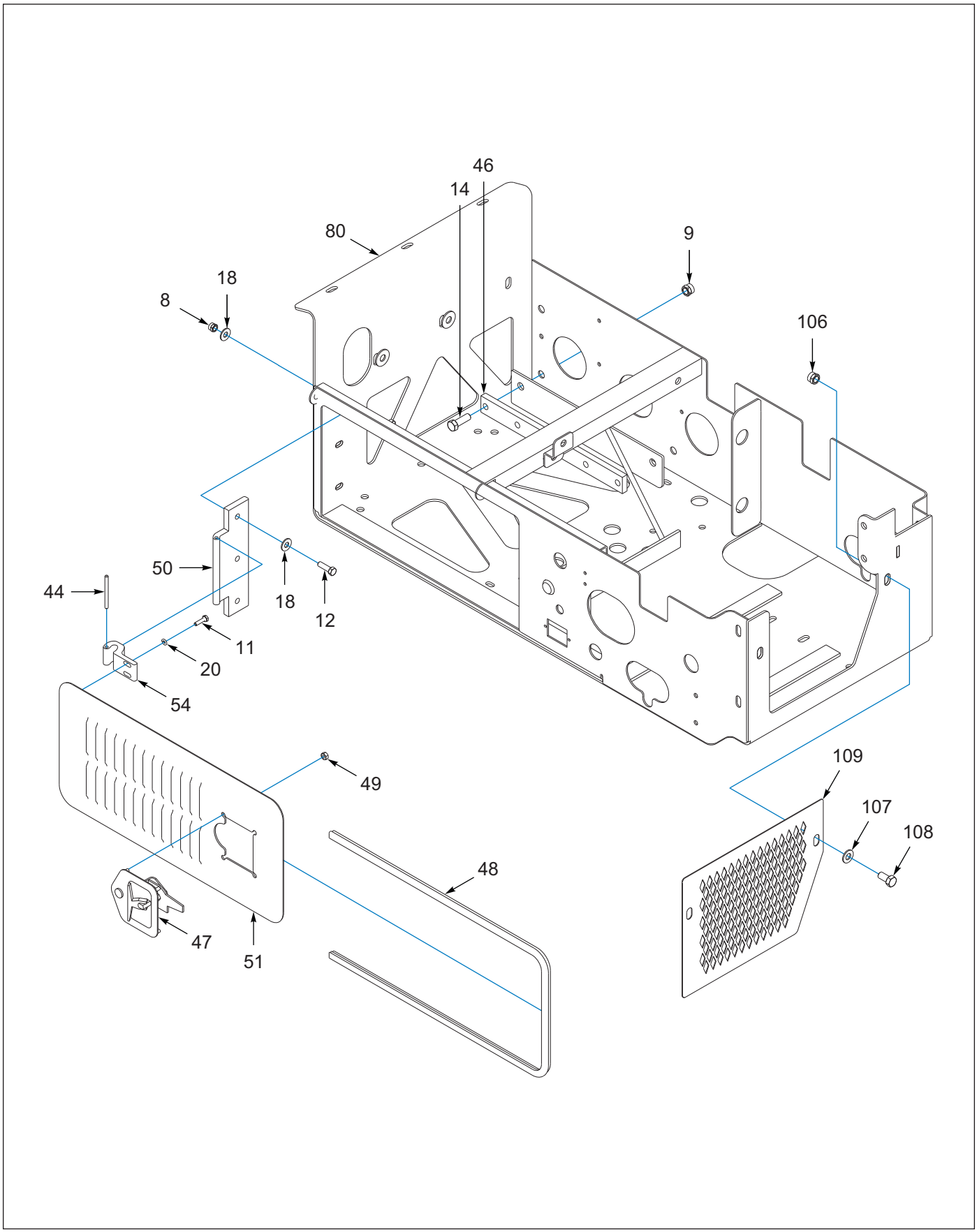


Figure 6-2: Engine, 25HP, Upper Deck Assembly (2 of 5)

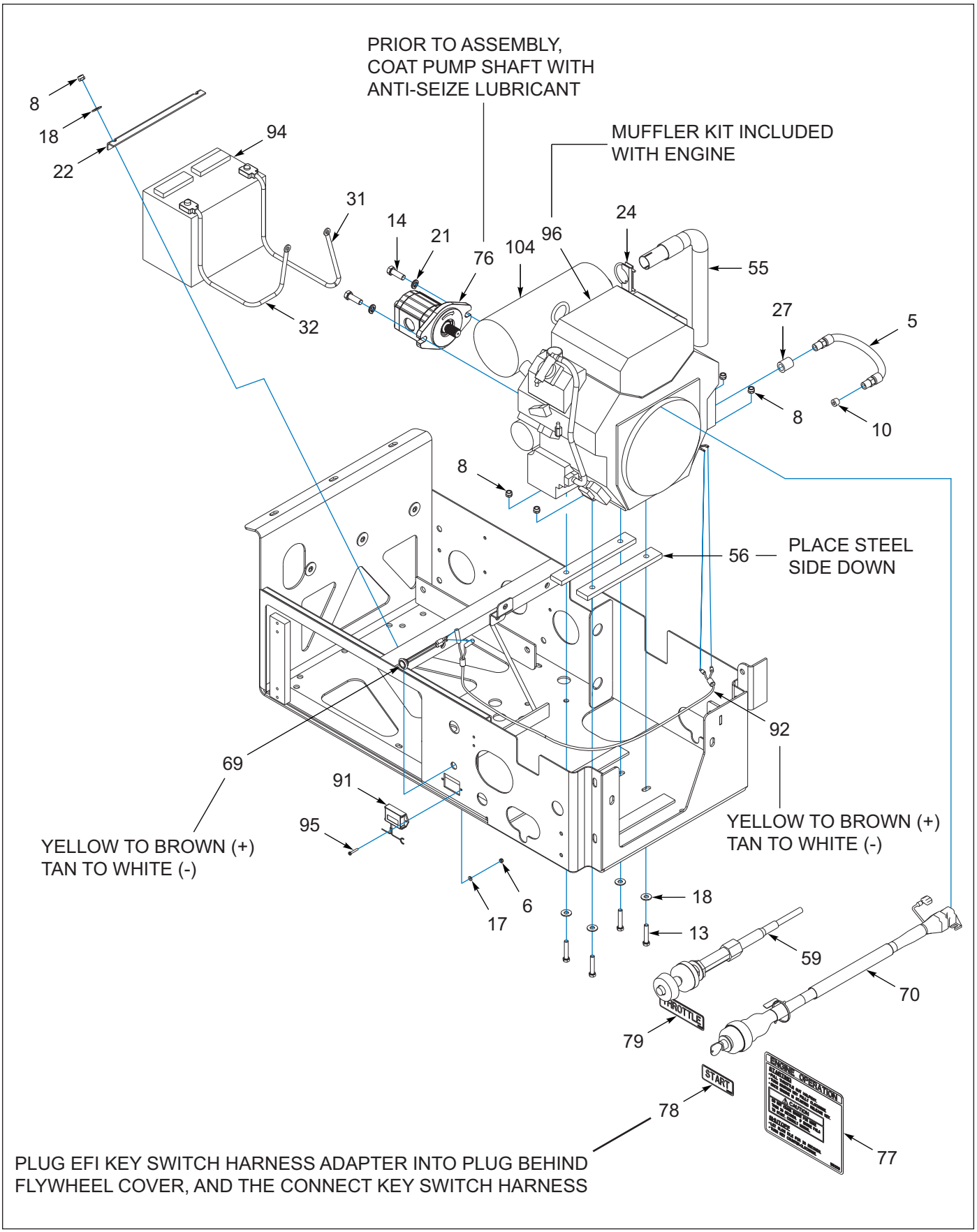


Figure 6-3: Engine, 25HP, Upper Deck Assembly (3 of 5)

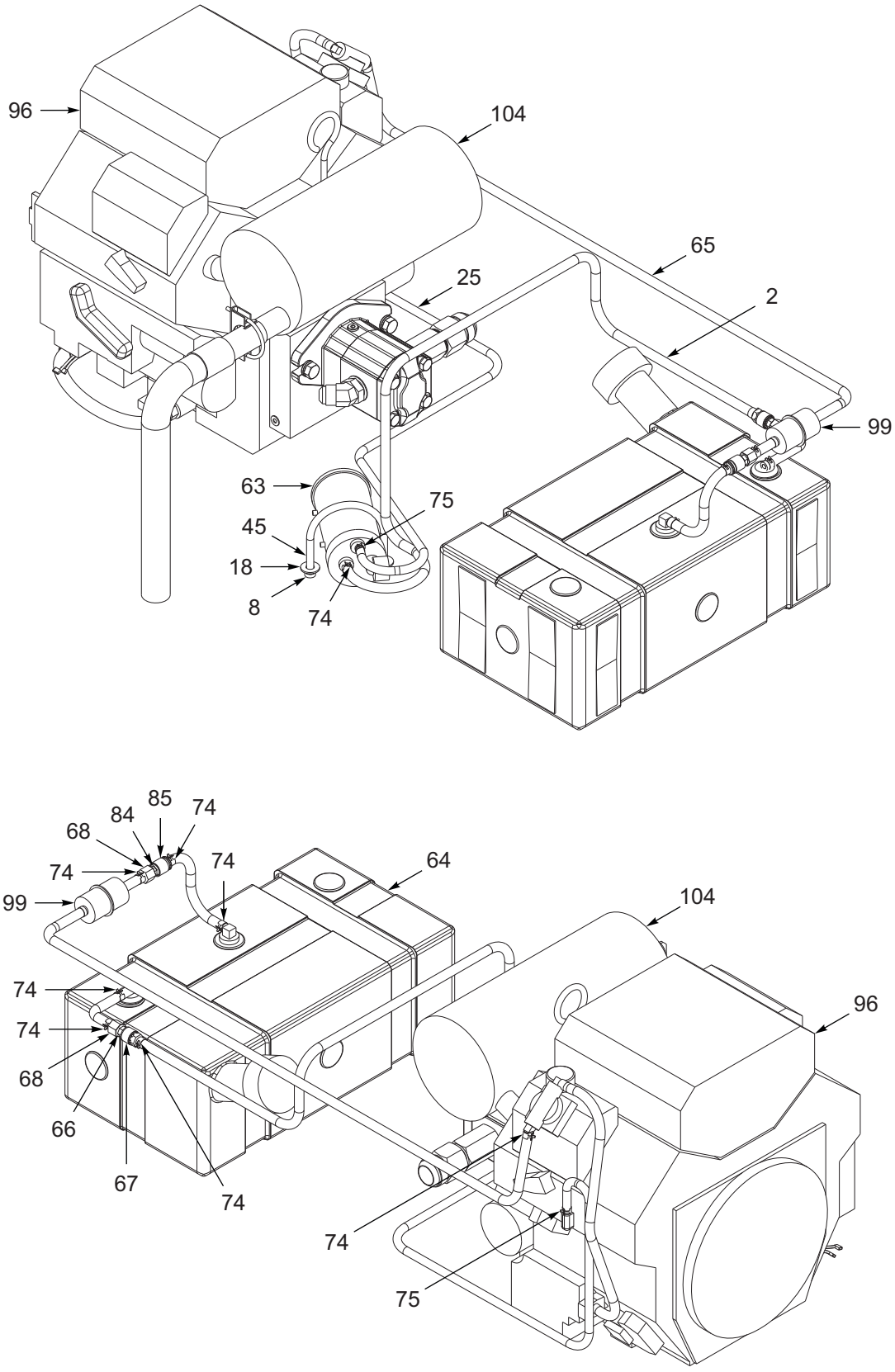


Figure 6-4: Engine, 25HP, Upper Deck Assembly (4 of 5)

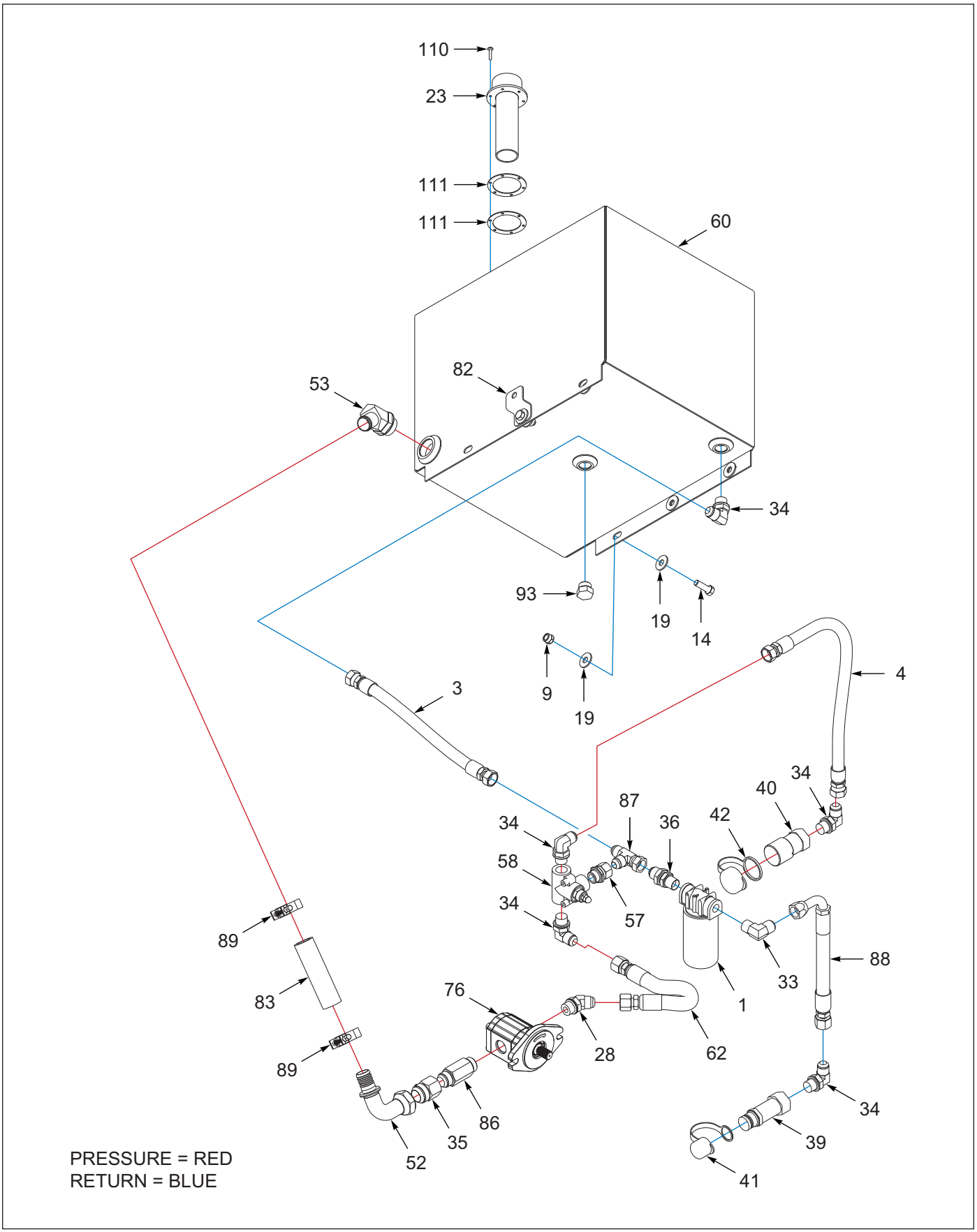


Figure 6-5: Engine, 25HP, Upper Deck Assembly (5 of 5)

Engine, 25HP, Upper Deck Assembly

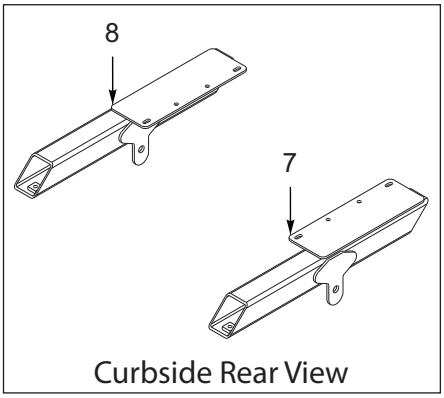
ITEM	PART NUMBER	DESCRIPTION	QTY.
	189360	ENG PKG 25HP GAS EFI	- -
1	1-295-010001	FILTER, RETURN LINE	1
2	1-316-010013	HOSE,1/4 LOW PRESSURE FUEL **(BY THE FOOT)**	5
3	1-397-010304018	HOSE ASSY,3/4X18,SAE37,STR-ST	1
4	205709	HOSE ASSY 3/4 X 60 JIC #12-#16 **(BEFORE 11/19/2018)**	1
4	205710	ADAPTER, 37-37 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	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 **(NEGETIVE)**	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 REPLACES 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 11-19) (BEFORE 03/01/2022 - SILVER BODY)**	- -
39	239677	COUPLER FL FACE ISO -12 MALE **(PARTS - SEE PAGE 11-19) (AFTER 03/01/2022 - BLACK BODY)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
40	105480	COUPLER FLAT FACE FEMALE BODY **(PARTS - SEE PAGE 11-19) (BEFORE 03/01/2022)**	- -
40	239678	COUPLER FL FACE ISO -12 FEMALE **(PARTS - SEE PAGE 11-19) (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	1
67	170110	FITTING,5/16BARB TO FE QD,FORC	1
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 **(INCLUDES ITEMS 71-73) (24 FT, STANDARD WITH ENGINE PACKAGE)**	1
70	178431	SWITCH/HARNESS ASSY KOHLER **(INCLUDES ITEMS 72-73) (40 FT, SPECIAL APPLICATIONS, SOLD SEPERATELY)**	1
71	178425	HARNESS ASSY KOHLER ENG HARNESS ASSY KOHLER ENG **(24 FEET LONG, INCLUDED WITH ITEM 70 - 178428, NOT SHOWN)**	1
72	228958	IGNITION KEYS (1 PAIR) INDAK **(NOT SHOWN)**	1
73	3-765-010050	SWITCH,ENG IGN,KOHLER MH22 **(2509904) (INCLUDES ITEM 72, NOT SHOWN)**	1
74	178638	SPRING CLAMP, 1/2"OD FUEL HOSE	8
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

ITEM	PART NUMBER	DESCRIPTION	QTY.
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)**	1
84	202225	FITTING 1/4 MNPT/MALE QD **(AFTER 10/01/2016)**	1
85	170112	FITTING,5/16BARB TO FE QD,SUZU **(BEFORE 10/01/2016)**	1
85	202226	FITTING5/16 HOSEBARB/FEMALE QD **(AFTER 10/01/2016)**	1
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 DIGITIAL **(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	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	6
111	223220	GASKET, HYD TANK FILLER	2

Mount, Engine, Front Extension, Bolt-On

NOTE:
RED = Engine Package Mount Holes.



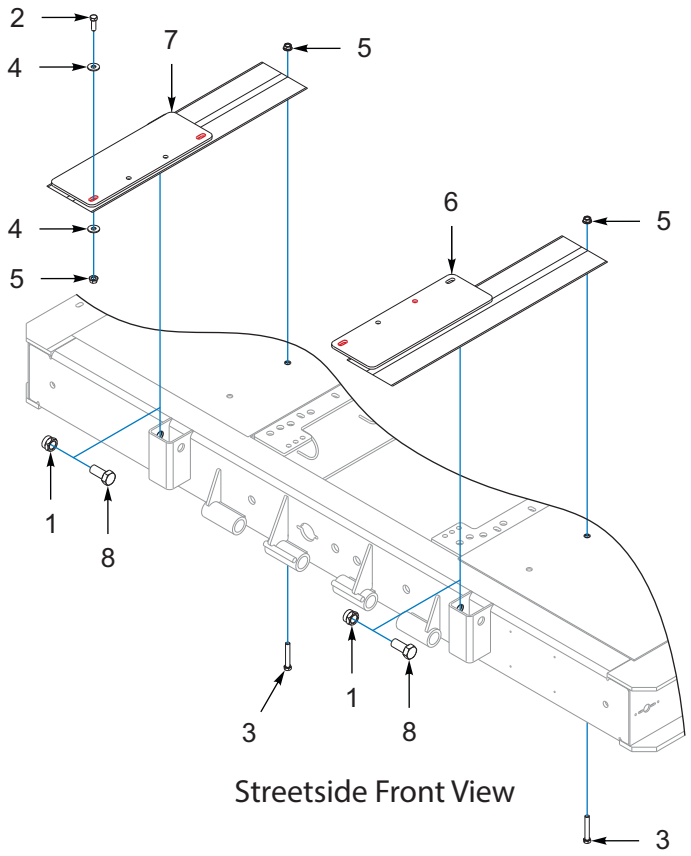


Figure 6-6: Mount, Engine, Front Extension, Bolt-On

Mount, Engine, Front Extension, Bolt-On

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 **(STREETSIDE)**	1
7	136582	MOUNT WLDMT RH FRONT ENG PKG **(CURBSIDE)**	1
8	137943	SCREW,HEX CAP 1-8UNCX2-1/4GR5	2

Mount, Engine, Front Extension, Pin-On

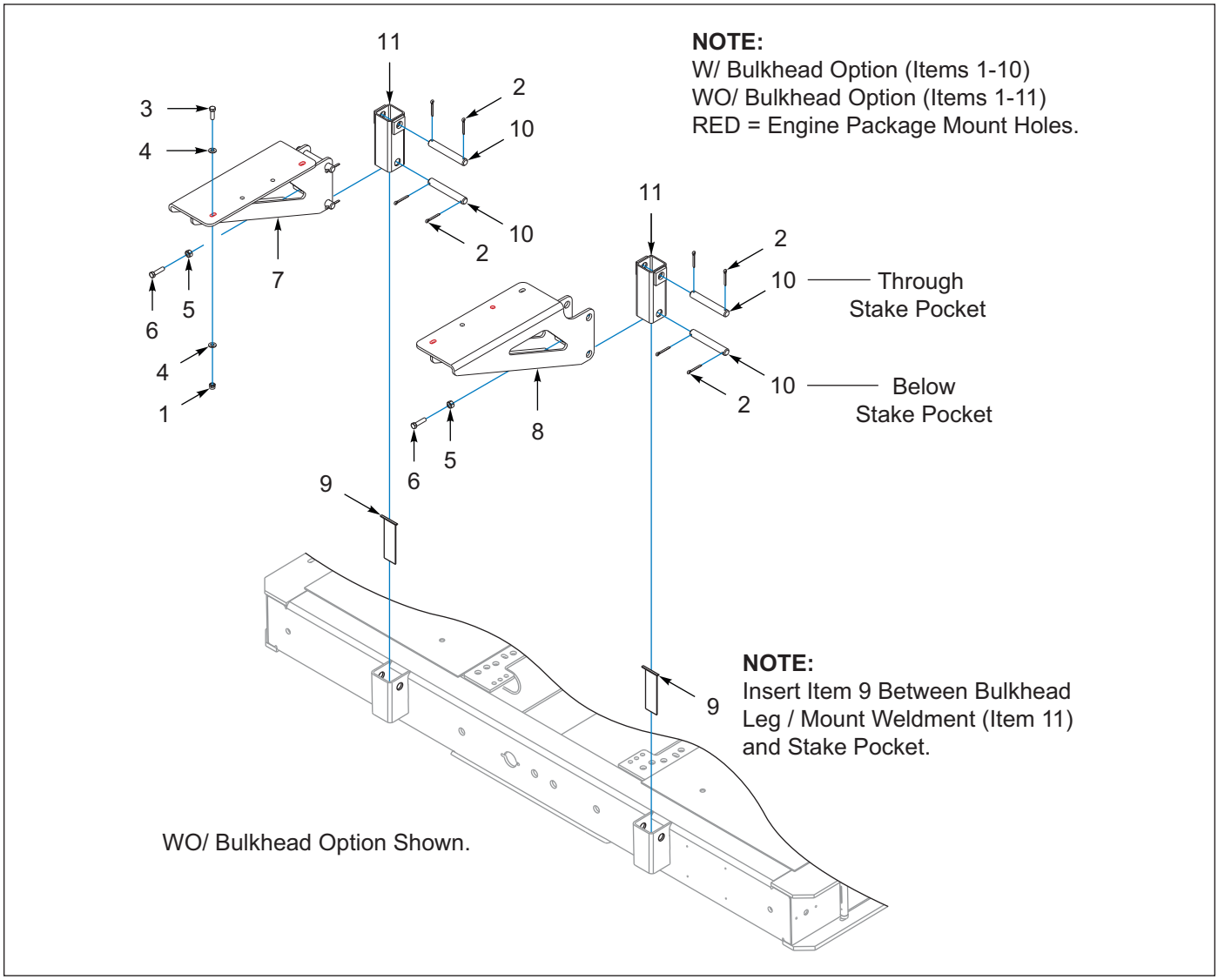


Figure 6-7: Mount, Engine, Front Extension, Pin-On

Mount, Engine, Front Extension, Pin-On

ITEM	PART NUMBER	DESCRIPTION	QTY.
	147471	MOUNT INSTL FRT EXT ENG PKG	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
2	1-557-010362-63	PIN,COTTER 1/4X2 ZP	8
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	8
5	114911	NUT,HVY HEX,1/2-13UNC GR5	2
6	132773	SCREW HXCP 1/2-13X2 GR8 ZP	2
7	147468	BRACKET WLDMT RH ENG MT	1
8	147469	BRACKET WLDMT LH ENG MT	1
9	245939	FRNT ENG MNT SHIM	2
10	3-557-010380	PIN, SUPPORT BULKHEAD	4
11	3-482-010249	MOUNT WLDMT BULKHEAD **(ONLY REQUIRED WHEN NO BULKHEAD IS AVAILABLE)**	2

Mount, Engine, Front Stand, Bolt-On

NOTE:
RED = Engine Package Mount Holes.

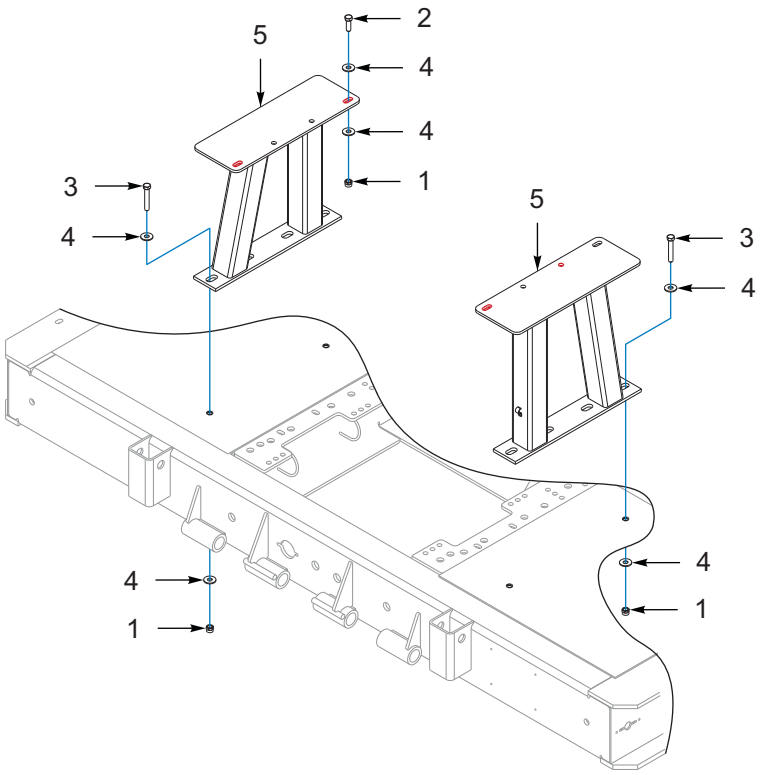


Figure 6-8: Mount, Engine, Front Stand, Bolt-On

Mount, Engine, Front Stand, Bolt-On

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

Table provided for general use.

NOTES:

Wet Kit, Truck Hydraulic (Before 03/01/2019)

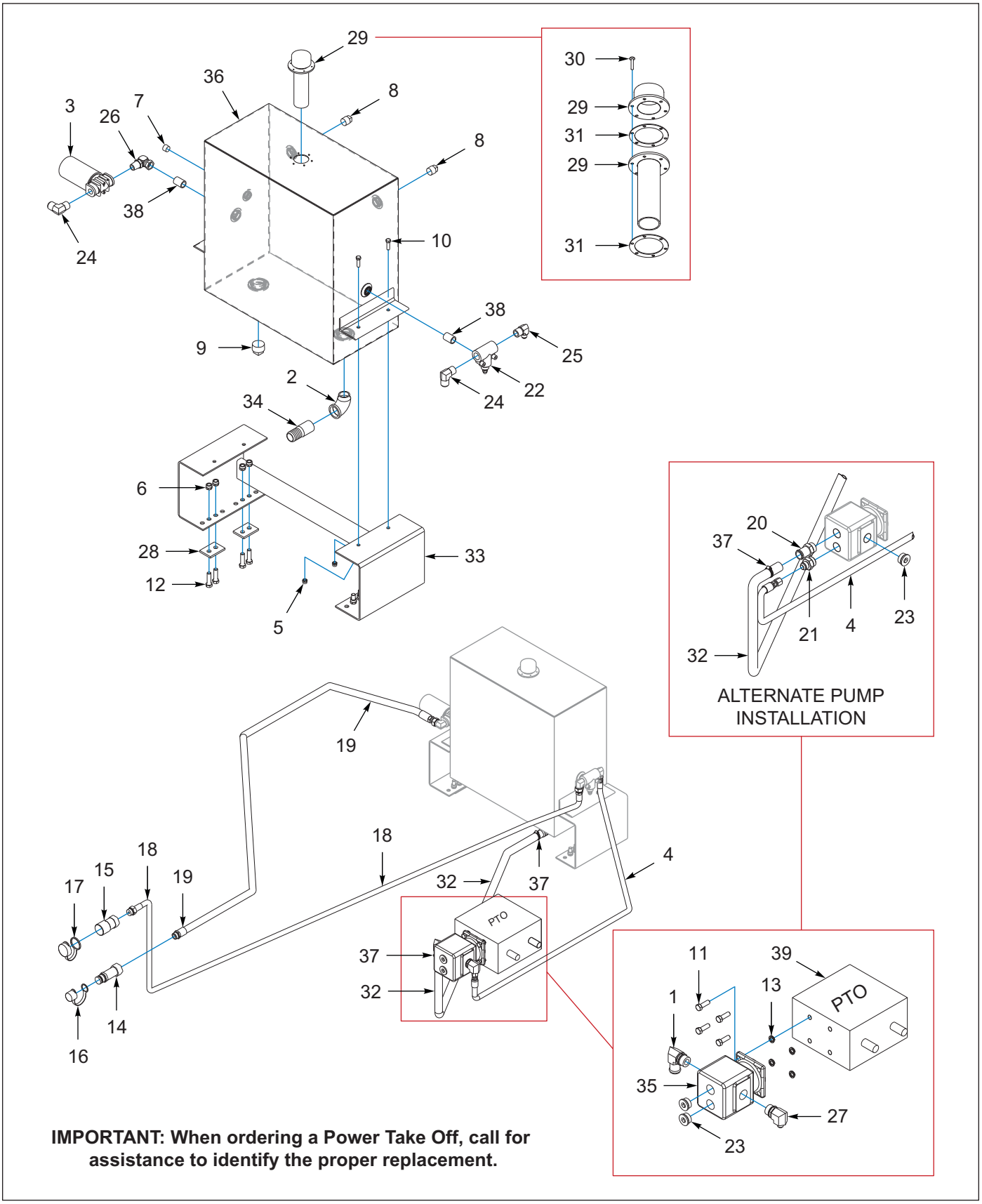


Figure 6-9: Wet Kit, Truck Hydraulic (Before 03/01/2019)

Wet Kit, Truck Hydraulic (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 11-20) (BEFORE 03/01/2022 - SILVER BODY)**	- -
14	239677	COUPLER FL FACE ISO -12 MALE **(PARTS - SEE PAGE 11-20) (AFTER 03/01/2022 - BLACK BODY)**	1
15	105480	COUPLER FLAT FACE FEMALE BODY **(PARTS - SEE PAGE 11-20) (BEFORE 03/01/2022)**	- -
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 SOLD SEPERATELY)**	1
37	6828	IDEAL HOSE CLAMP2.25MAX-1.3MI	2
38	C3069X12	NIPPLE HYD 3/4 MPT	2
39	- - - - -	POWER TAKE OFF **(CALL FOR ASSISTANCE)**	1

Wet Kit, Truck Hydraulic (After 03/01/2019)

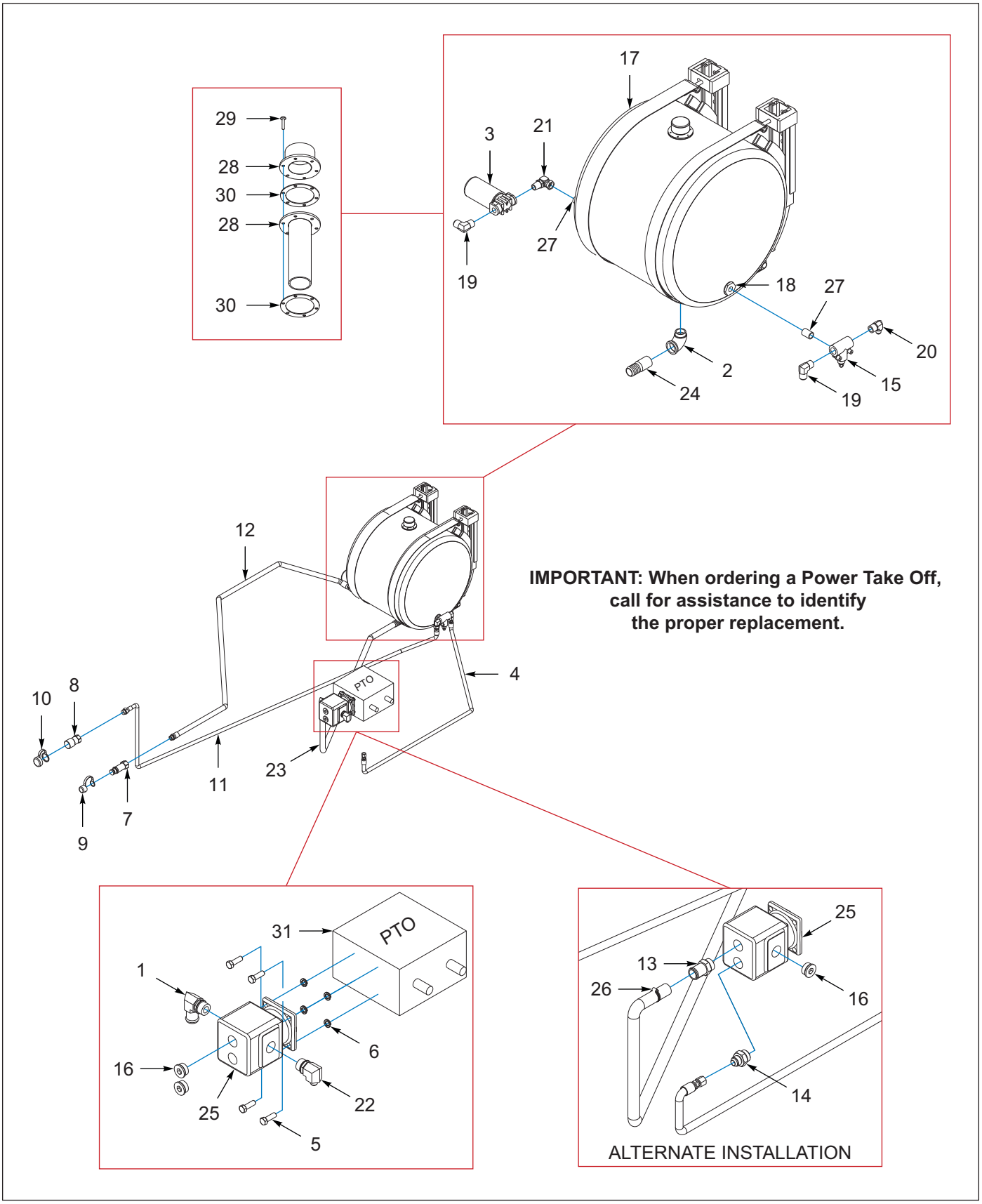


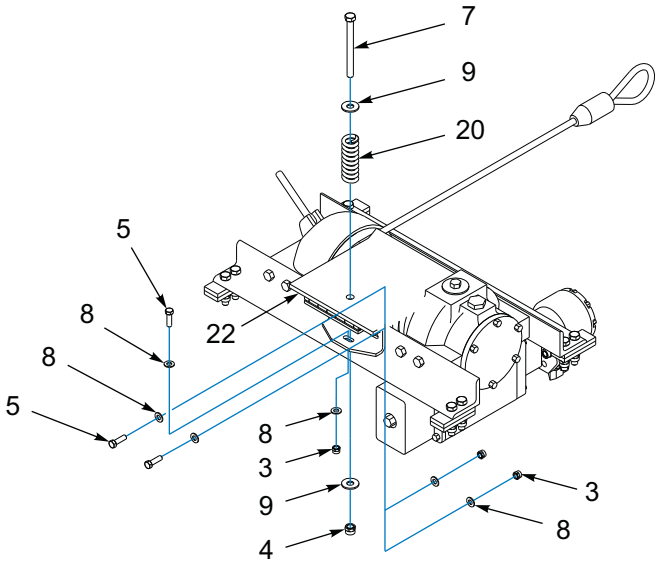
Figure 6-10: Wet Kit, Truck Hydraulic (After 03/01/2019)

Wet Kit, Truck Hydraulic (After 03/01/2019)

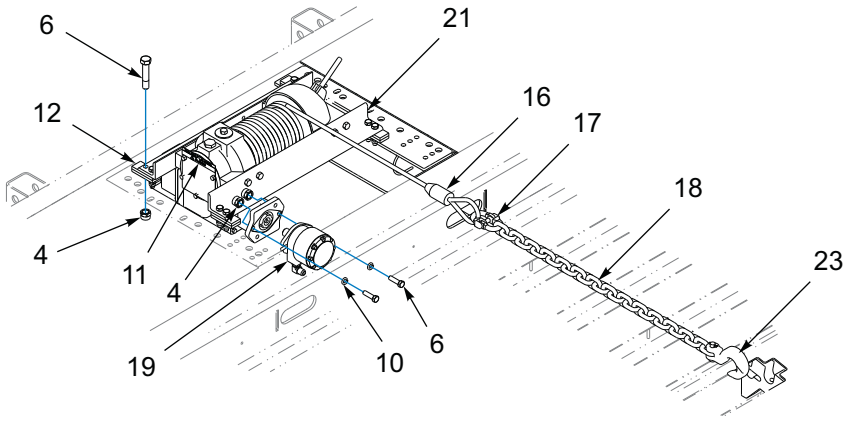
ITEM	PART NUMBER	DESCRIPTION	QTY.
ITEM	PART NUMBER	DESCRIPTION	QTY.
	107498	WET KIT,35GAL, W/PTO, INSTALL **(STEEL TANK)**	- -
	107499	WET KIT,35GAL,W/PTO,NOT INST **(STEEL TANK)**	- -
	107500	WET KIT 35GAL W/O PTO NOT INS **(STEEL TANK)**	- -
	220732	WET KIT, ALUM, 35GAL **(ALUMINUM TANK)**	- -
	240507	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 11-20) (BEFORE 03/01/2022 - SILVER BODY)**	- -
7	239677	COUPLER FL FACE ISO -12 MALE **(PARTS - SEE PAGE 11-20) (AFTER 03/01/2022 - BLACK BODY)**	1
8	105480	COUPLER FLAT FACE FEMALE BODY **(BEFORE 03/01/2022) (PARTS - SEE PAGE 11-20)**	- -
8	239678	COUPLER FL FACE ISO -12 FEMALE **(AFTER 03/01/2022) (PARTS - SEE PAGE 11-20)**	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
31	- - - - -	POWER TAKE OFF **(CALL FOR ASSISTANCE)**	1

Retrieval System (Options)

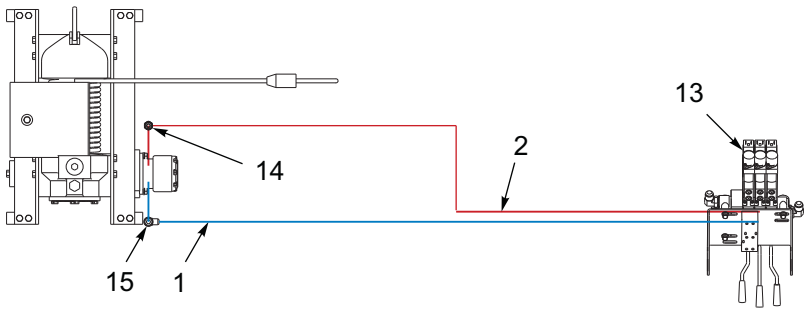
Winch Install, Braden 12K, 1-Speed, Spring Tension



SPRING TENSIONER ASSEMBLY



WINCH ASSEMBLY



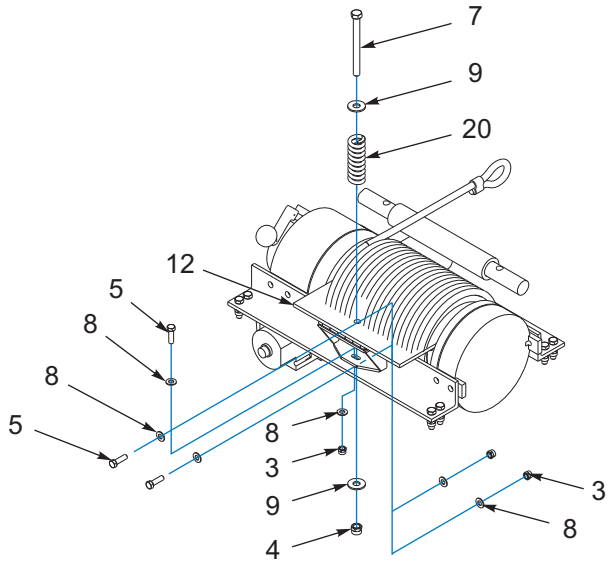
HYDRAULIC SYSTEM

Figure 7-1: Winch Install, Braden 12K, 1-Speed, Spring Tension

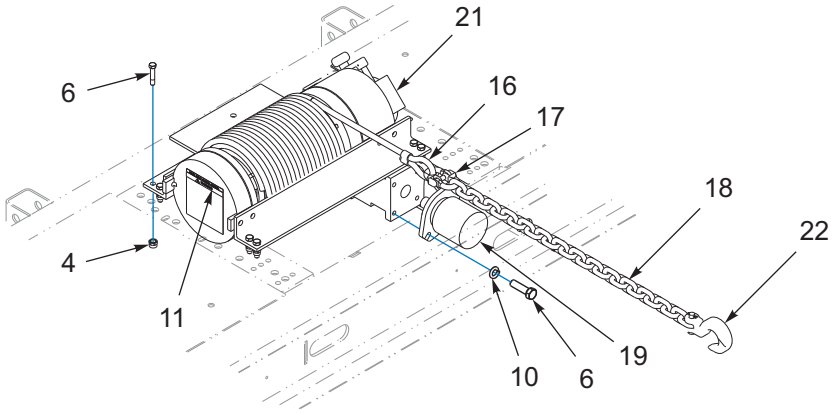
Winch Install, Braden 12K, 1-Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010144-01	WINCH, 12K SPRING TENSION	- -
1	1-397-010301170	HOSE ASSEMBLY 1/2 X 170	1
2	1-397-010302172	HOSE ASSEMBLY 1/2 X 172	1
3	1-512-010005-05	NUT, HEX LOCK 3/8-16	3
4	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	11
5	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	3
6	1-654-010055-04	SCREW, HEX, 1/2-13 UNC X 1-3/4 GR5	10
7	1-654-010055-16	SCREW, HEX HEAD CAP 1/2-13 X 5-1/2 GR5	1
8	1-861-010032-10	WASHER, FLAT 3/8N	6
9	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	2
10	1-861-010034-13	WASHER, SPLIT LOCK 1/2	2
11	100600	DECAL, WARNING, BRADEN WINCH	1
12	116378	SPACER, WINCH	8
13	148241	VALVE ASSEMBLY, 3-SPOOL 400 **(HYDRAULICS - SEE PAGE 11-35)**	- -
14	202702-10-8S	ADAPTER, #10 O-RING - #8 TUBE	1
15	2062-10-8S	ADAPTER, 90, #10 O-RING - #8 TUBE	1
16	3-155-010017-4	CABLE ASSEMBLY, 1/2 X 85’ LENGTH	- -
17	3-174-010038	CHAIN LINK, CONNECTING, 1/2	1
18	3-174-010039036	CHAIN, 1/2 X 36” GRD7	1
19	3-481-010006	MOTOR HYD. - 12K **(SEE PAGE 7-29)**	1
20	3-720-010010	SPRING COMPRESSION	1
21	3-873-010122	WINCH ASSEMBLY, 12,000LB. **(COMPONENTS - SEE PAGE 7-21)**	1
22	3-873-010124	WINCH TENSIONER, 20K BRADEN SPRING	1
23	7HCGHT500	HOOK, CLEVIS, GRAB 1/2	1

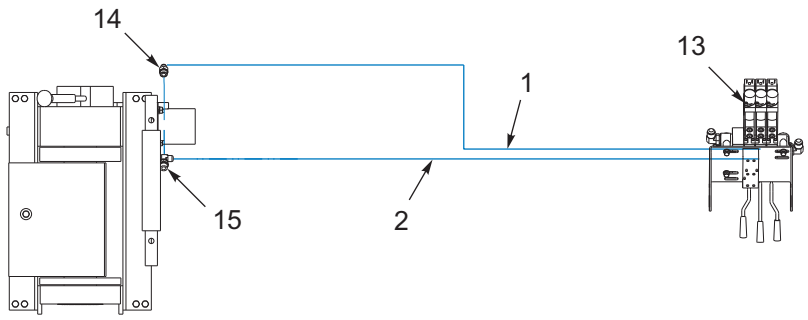
Winch Install, Braden 20K, 1-Speed, Spring Tension



SPRING TENSIONER ASSEMBLY



WINCH ASSEMBLY



HYDRAULIC SYSTEM

Figure 7-2: Winch Install, Braden 20K, 1-Speed, Spring Tension

Winch Install, Braden 20K, 1-Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010140-01	WINCH, 20K SPRING TENSION	- -
1	1-397-010301170	HOSE ASSEMBLY 1/2 X 170	1
2	1-397-010302172	HOSE ASSEMBLY 1/2 X 172	1
3	1-512-010005-05	NUT, HEX LOCK 3/8-16	3
4	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	9
5	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	3
6	1-654-010055-04	SCREW, HEX, 1/2-13 UNC X 1-3/4 GR5	10
7	1-654-010055-16	SCREW, HEX HEAD CAP 1/2-13 X 5-1/2 GR5	1
8	1-861-010032-10	WASHER, FLAT 3/8N	6
9	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	2
10	1-861-010034-13	WASHER, SPLIT LOCK 1/2	2
11	100600	DECAL, WARNING, BRADEN WINCH **(DECALS - SEE PAGE 1-1)**	1
12	102186	WINCH TENSIONER, 20K BRADEN SPRING	1
13	148241	VALVE ASSEMBLY, 3-SPOOL 400 **(HYDRAULICS - SEE PAGE 11-35)**	- -
14	202702-10-8S	ADAPTER, #10 O-RING - #8 TUBE	1
15	2062-10-8S	ADAPTER, 90, #10 O-RING - #8 TUBE	1
16	3-155-010018-6	CABLE, 5/8, WITH LOOP, 85 FEET	- -
17	3-174-010038	CHAIN LINK, CONNECTING, 1/2	1
18	3-174-010039036	CHAIN, 1/2 X 36” GRD7	1
19	3-481-010007	MOTOR HYD. 12.9 CU. IN/REV, SAE B **(SEE PAGE 7-29)**	1
20	3-720-010010	SPRING COMPRESSION	1
21	3-873-010123	WINCH ASSEMBLY, 20,000LB. **(SEE PAGE 7-25)**	1
22	7HCGHT500	HOOK, CLEVIS, GRAB 1/2	1

Winch Install, Braden 20K, 1-Speed, Air Tension

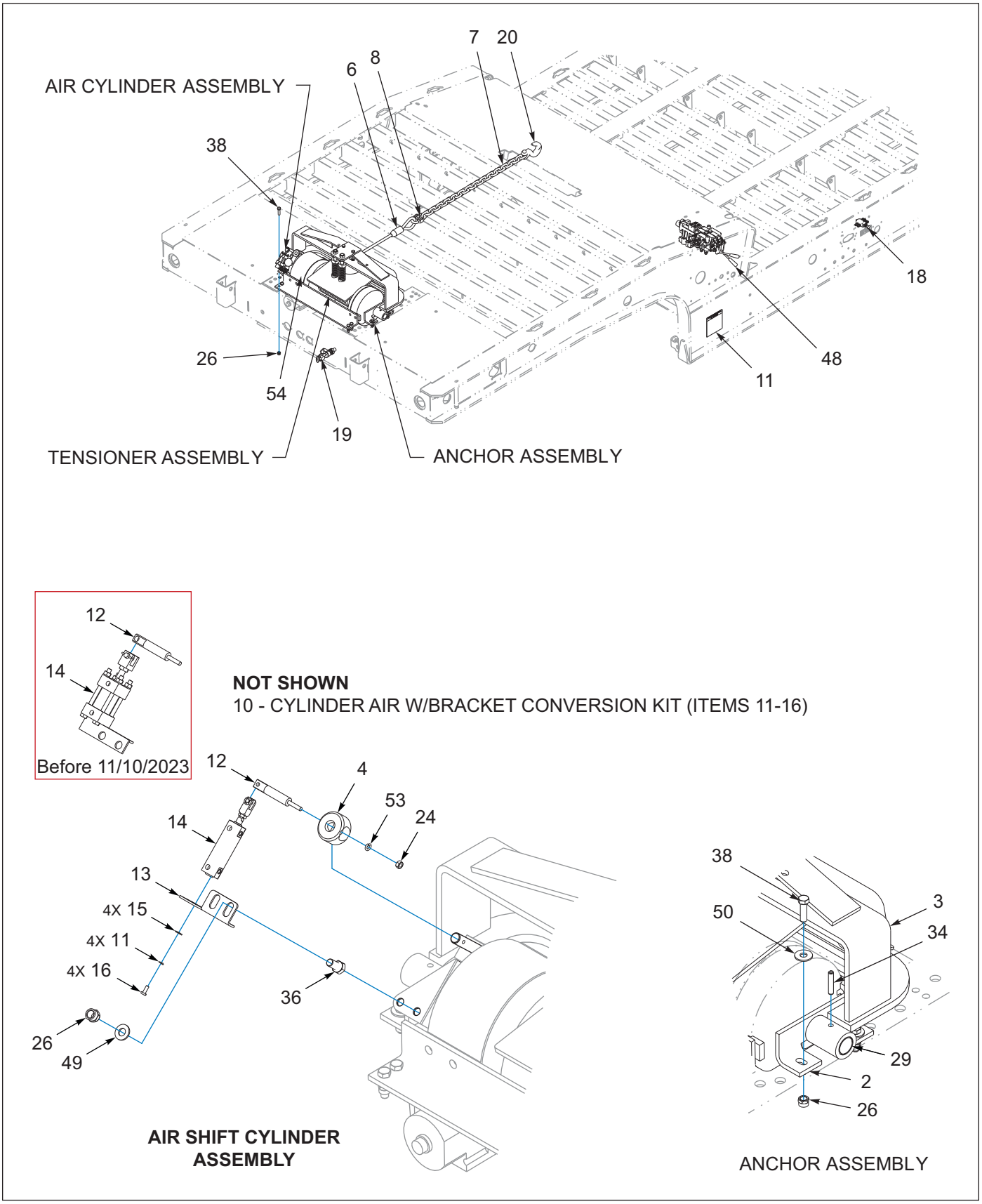


Figure 7-3: Winch Install, Braden 20K, 1-Speed, Air Tension (1 of 3)

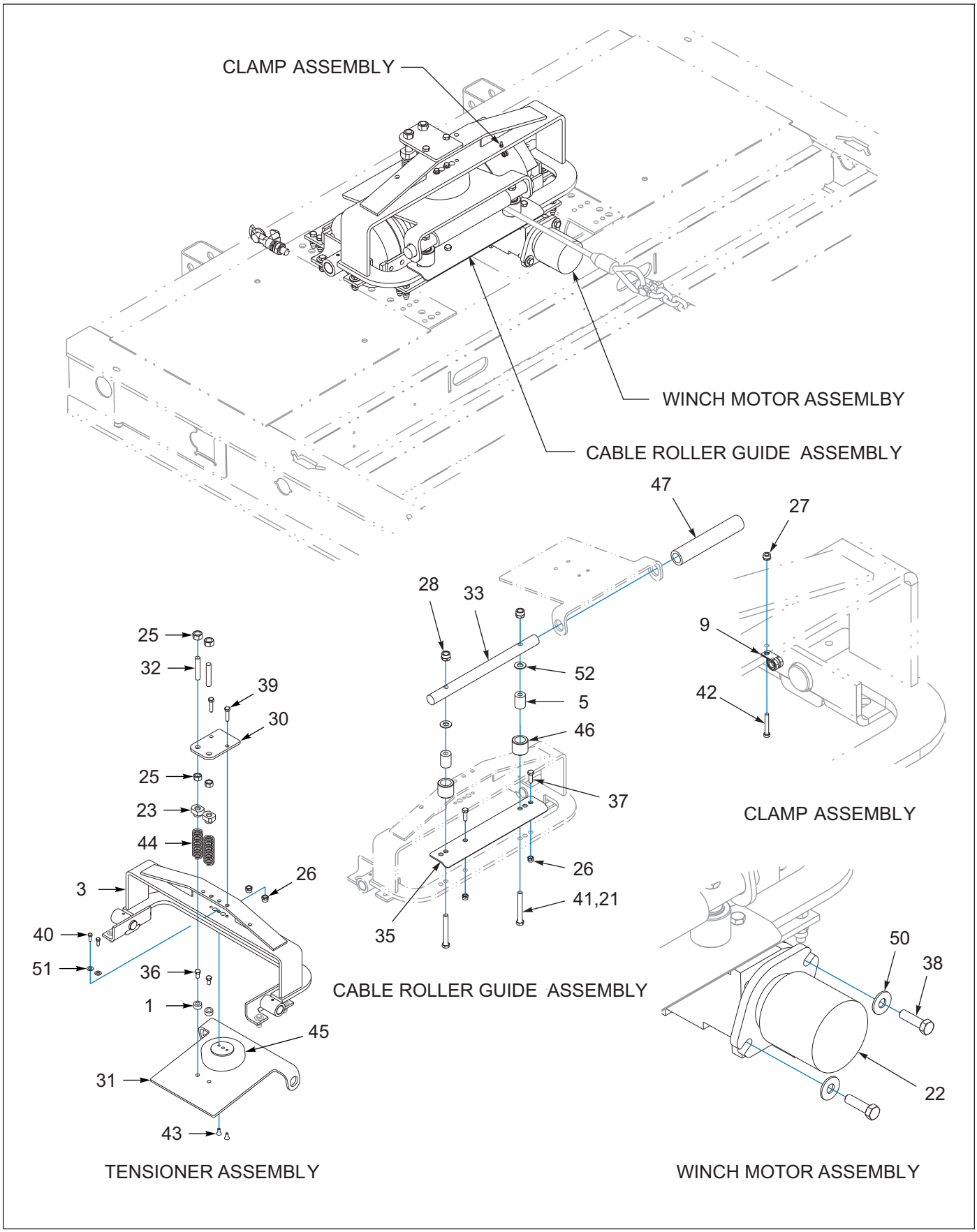
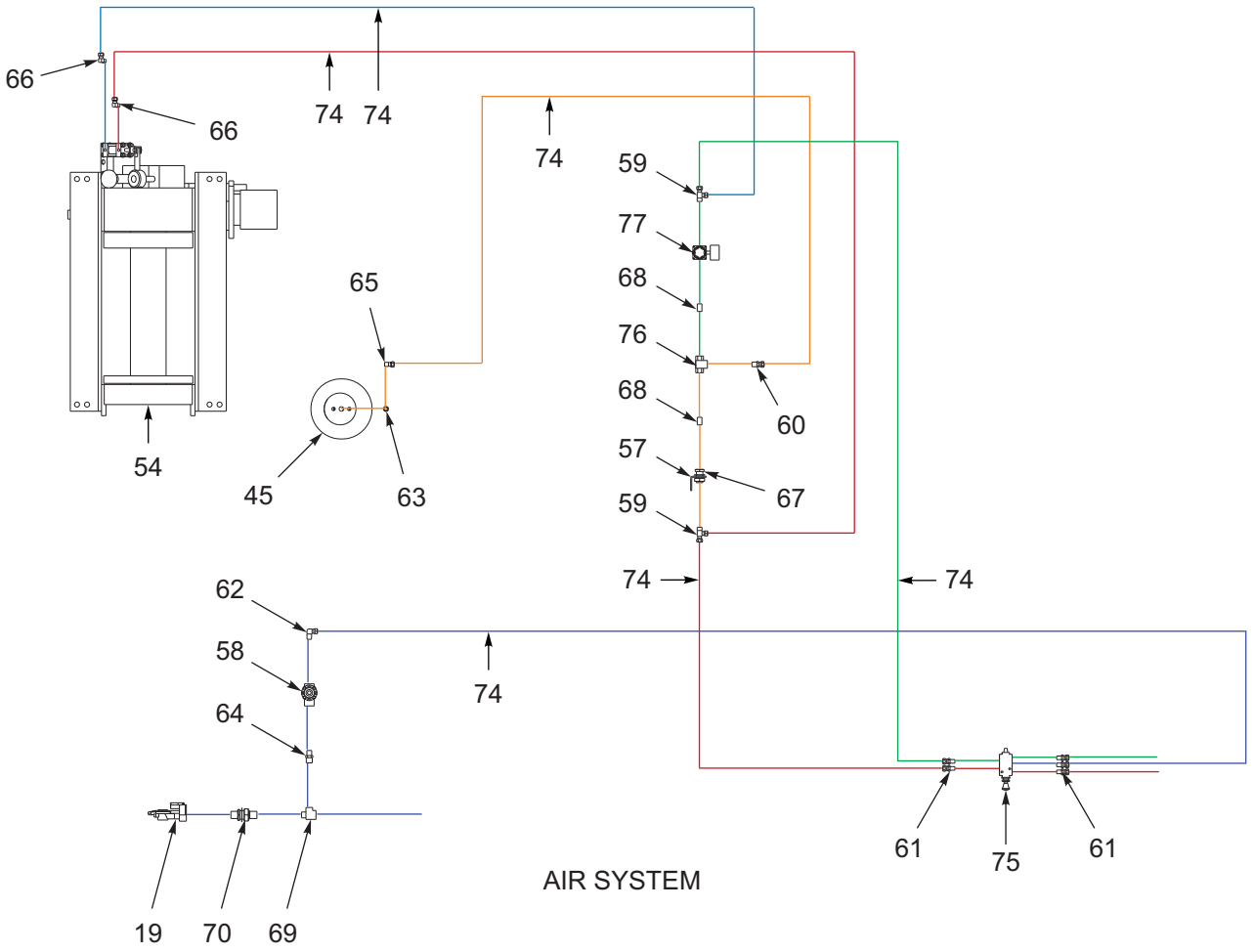
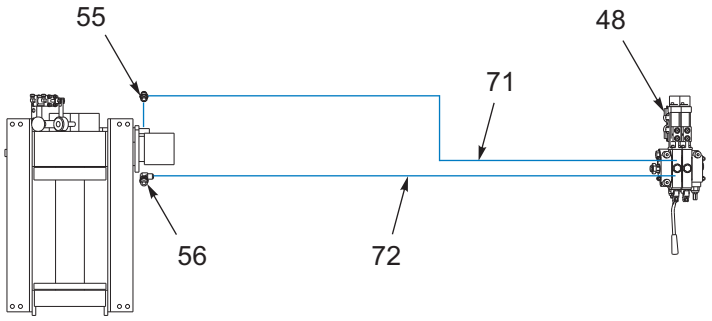


Figure 7-4: Winch Install, Braden 20K, 1-Speed, Air Tension (2 of 3)

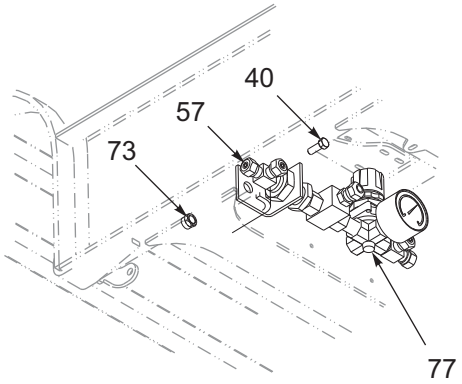


AIR SYSTEM

NOT SHOWN:
17 - DECAL, WARNING WINCH
18 - DECAL, WINCH FREE SPOOL



HYDRAULIC SYSTEM



BRACKET ASSEMBLY

Figure 7-5: Winch Install, Braden 20K, 1-Speed, Air Tension (3 of 3)

Winch Install, Braden 20K, 1-Speed, Air Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	162415	WINCH INSTALLATION, 20K GUIDE AIR TENSION/RELEASE - STD	- -
1	3-014-010255	ANCHOR BUSHING F/W SPRING TENSION	2
2	119621	ANCHOR CABLE GUIDE WINCH **(NOT SHOWN)**	2
3	3-125-010465	BRACKET WELDMENT WINCH TENSIONER	1
4	3-150-010186	BUSHING WINCH REMOTE LEVER	1
5	3-150-010196	BUSHING, ROD ROLLER	2
6	3-155-010018-6	CABLE 85' W/ LOOP	- -
7	3-174-010039036	CHAIN 1/2 X 36 GR7	1
8	3-174-010038	CHAIN LINK CONNECTING 1/2	1
9	125892	SUPPORT CLAMP	1
10	107368	CYLINDER AIR W/BRKT WNCH R/SP **(NEW STYLE CONVERSION KIT, INCLUDES ITEMS 11-16) INCLUDES AIR CYLINDER, SHIFT LEVER & MOUNT BRACKET)**	1
11	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10 **(AFTER 11/10/2023) (INCLUDED WITH ITEM 10)**	4
12	- - - - -	LEVER WINCH FREE-SPOOL **(OBSOLETE, ORDER ITEM 10)**	- -
12	247863	LEVER WINCH FREE-SPOOL SMC CYL **(AFTER 11/10/2023) (INCLUDED WITH ITEM 10)**	1
13	247864	ANGLE WINCH FREE SPOOL SMC CYL **(AFTER 11/10/2023) (INCLUDED WITH ITEM 10) (INCLUDES CLEVIS, PIN & E-CLIPS)**	1
14	- - - - -	CYLINDER AIR W/BRKT WNCH R/SP **(OBSOLETE, ORDER ITEM 10)**	- -
14	247865	CYLINDER AIR 1" STROKE SMC **(AFTER 11/10/2023) (INCLUDED WITH ITEM 10) (INCLUDES CLEVIS, PIN & E-CLIPS)**	1
15	25E10E	WASHER, FLAT #10 **(AFTER 11/10/2023) (INCLUDED WITH ITEM 10)**	4
16	86G1008E	SCREW PAN HD SL #10-32X.50 **(AFTER 11/10/2023) (INCLUDED WITH ITEM 10)**	4
17	100600	DECAL, WARNING WINCH **(NOT SHOWN)**	1
18	135184	DECAL, WINCH FREE SPOOL **(NOT SHOWN)**	1
19	108801	GLAD HAND, RED AIR **(INCLUDES 209133 SEAL)**	- -
20	7HCGHT500	HOOK, CLEVIS GRAB 1/2	1
21	#242 LOCKTITE	LOCKTITE, #242, BLUE REMOVABLE	1
22	3-481-010007	MOTOR HYD. **(SEE PAGE 7-29)**	1
23	3-522-010017	NUT F/W SPRING TENSION	2
24	1-512-010007-05	NUT, HEX 1/4-20 GRB	1
25	1-512-010007-12	NUT, HEX 3/4-10 GRB	4
26	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	18
27	1-512-010004-03	NUT, HEX LOCK #10-24	1
28	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	2
29	119622	PIN, PIVOT WINCH ROLLER	2
30	3-565-011688	PLATE F/W SPRING TENSION	1
31	102187	PLATE, WINCH TENSIONER	1
32	RTR7999X4ZP	ROD THREADED	2
33	102188	ROD, PIVOTING GUIDE	1
34	1-647-010004255	PIN, SPRING SLOTTED 2 X 3/8	2
35	143246	RUB BAR, CABLE GUIDE WINCH	1
36	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5	4
37	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	2
38	1-654-010055-04	SCREW, HEX HEAD CAP 1/2-13 X 1-3/4 GR5	14

ITEM	PART NUMBER	DESCRIPTION	QTY.
39	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	2
40	1-654-010036-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	3
41	1-654-010059-15	SCREW, HEX HEAD CAP 5/8-11 X 5 GR5	2
42	1-654-010024055	SCREW, MACH. #10-24 X 1-1/4	1
43	1-654-010141-04	SCREW, HEX SOC. HEAD CTSK 3/8-16 X 1 GR8	2
44	3-720-010035	SPRING	2
45	3-720-010042	SPRING, AIR BAG, 6-1/2	1
46	3-831-010172	TUBE, ROLLER SIDE	2
47	3-831-010182	TUBE, ROLLER TOP - 600 **(20K)**	1
48	140802	VALVE ASSEMBLY **(SEE PAGE 11-35)**	- -
49	1-861-010032-14	WASHER, FLAT 1/2N	2
50	1-861-010032-15	WASHER, FLAT 1/2W	6
51	1-861-010032-10	WASHER, FLAT 3/8N	2
52	1-861-010032-18	WASHER, FLAT 5/8N	2
53	1-861-010034-09	WASHER, SPLIT LOCK 1/4	1
54	3-873-010123	WINCH ASSEMBLY 20K **(SEE PAGE 7-25)**	1
55	202702-10-8S	ADAPTER	1
56	2062-10-8S	ADAPTER 90	1
57	3-120-010445	BRACKET, PRESSURE REGULATOR	1
58	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
59	1-297-010011-02	FITTING, AIR M/RUN TEE	2
60	1-297-010007-05	FITTING, AIR 1/4	1
61	1-297-010007-04	FITTING, AIR, 1/4 TUBE X X 1/8 NPT	5
62	1-297-010008-07	FITTING, AIR 90	1
63	1-297-010031-02	FITTING, BRASS PIPE	1
64	1-297-010019-05	FITTING, BRS PIPE HEX 3/8 X 1/4	1
65	1-297-010032-03	FITTING, AIR 90	1
66	1-297-010008-05	FITTING, AIR 90	2
67	1-297-010022-02	FITTING, AIR ANCHOR	1
68	1-297-010020-02	FITTING, BRASS PIPE	2
69	1-297-010018-03	FITTING, 1/4 TEE	1
70	55B61	FRAME UNION	- -
71	1-397-010301170	HOSE ASSEMBLY 1/2 X 170	1
72	1-397-010302172	HOSE ASSEMBLY 1/2 X 172	1
73	1-512-010005-05	NUT, HEX LOCK 3/8-16	1
74	1-833-010001	NYLON TUBING 1/4 OD	21
75	139552	VALVE AIR, 5WAY/2POS, 1/8 NPT	1
76	3-843-010039-02	VALVE AIR SHUTTLE 1/4	1
77	3-626-010004	REGULATOR, AIR PRESSURE	1

Table provided for general use.

NOTES:

Winch Install, Braden 20K / 30K, 2-Speed

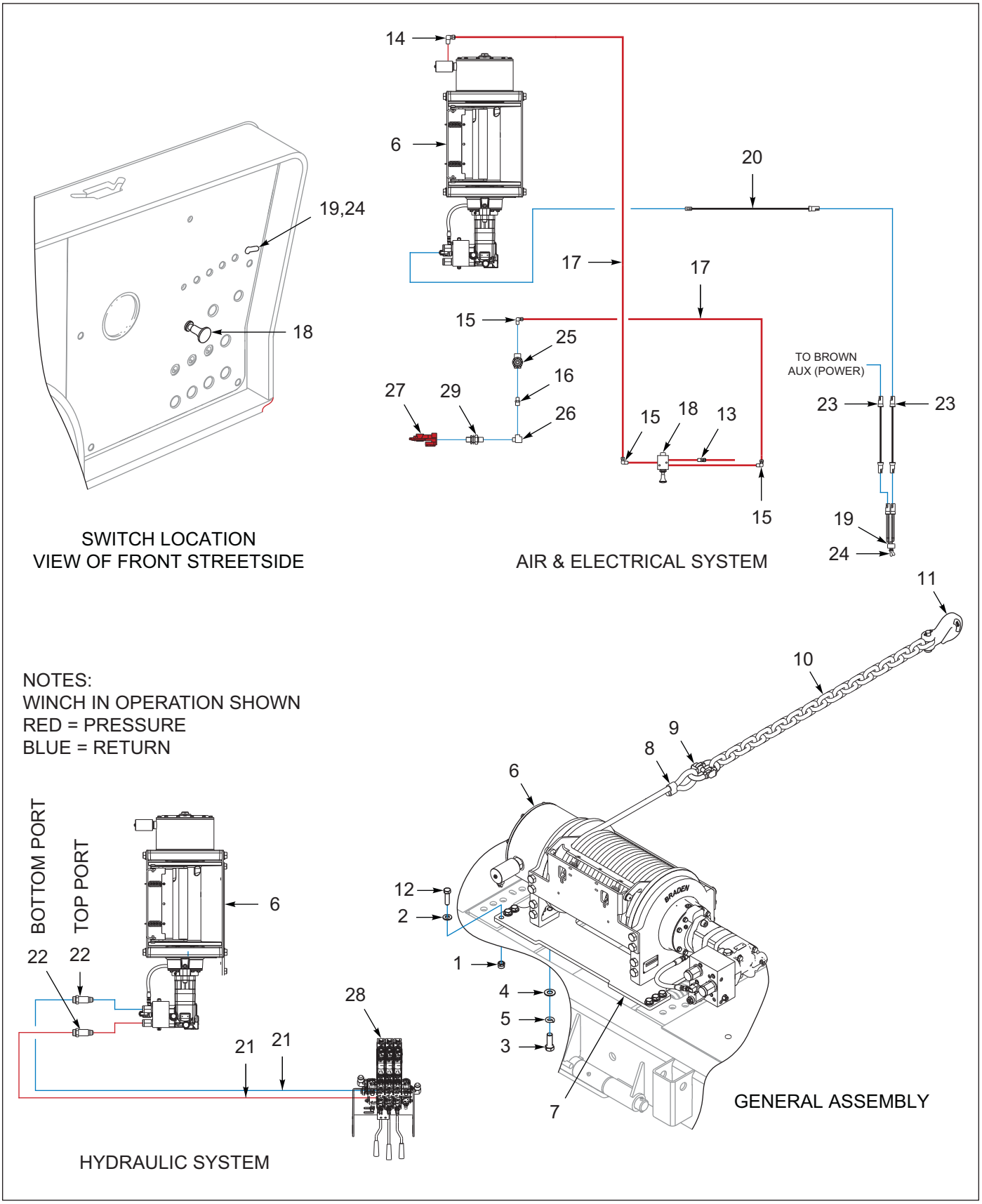


Figure 7-6: Winch Install, Braden 20K / 30K, 2-Speed

Winch Install, Braden 20K / 30K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240553	WINCH INSTL 20K BRADEN 2SP STD **(20K)**	- -
	240563	WINCH INSTL 30K BRADEN 2SPD **(30K)**	- -
1	1-512-010002-09	NUT,HEX SLFLKG,1/2-13,GR C,ZP	12
2	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	12
3	109740	SCREW HEX CAP 5/8-11X1-3/4 GR8 **(20K)**	8
3	1-654-010032-05	SCREW HEX CAP 3/4-10X2 GR8 **(30K)**	8
4	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD **(20K)**	8
4	1-861-010032-20	WASHER, FLAT,3/4 N ZP/CD **(30K)**	8
5	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8 **(20K)**	8
5	1-861-010034-17	WASHER,LKG,HLCL SPR,3/4 **(30K)**	8
6	239740	WINCH 20K BRADEN 2 SPEED **(20K COMPONENTS - SEE PAGE 7-31)**	1
6	239745	WINCH 30K BRADEN 2 SPEED **(30K COMPONENTS - SEE PAGE 7-35)**	1
7	240572	PLT WINCH MNT BRADEN 20K 2SP **(20K)**	1
7	240571	PLATE WINCH MNT BRADEN 30K 2SP **(30K)**	1
8	3-155-010018-6	CABLE 5/8 W/LOOP 85FT **(20K)**	1
8	132833	CABLE ASSY 5/8X85FLEX-X9 **(30K)**	1
9	3-174-010038	CHAIN LINK CONNECTING 1/2 **(20K)**	1
9	3-174-010059	CHAIN LINK CONNECTING 5/8 **(30K)**	1
10	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS **(20K)**	1
10	3-174-010060036	CHAIN 5/8X36IN GRADE 80 **(30K)**	1
11	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70 **(20K)**	1
11	1-382-010035-06	HOOK,CLEVIS GRAB 5/8 GRD80 **(30K)**	1
12	B1821BH050C175N	SCREW HX CP1/2-13X1-3/4GR8 ZP	12
13	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
14	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	1
15	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	3
16	1-297-010019-05	FITTING,BRS PIPE,HX 3/8X1/4	1
17	1-833-010001	TUBING NYLON 1/4 OD **(BLACK BY THE FOOT)**	34
18	134657	VALVE AIR 3WAY/2POS 1/4NPT **(INCLUDES KNOB 201635)**	1
19	150117	SWITCH ASSY LIGHT GROTE	1
20	164053	HARNESS,102"BRANCH,WORK LIGHT	1
21	174188	HOSE ASSY 1/2X182 SAE37 STR90	2
22	189285	ADAPTER STR LONG #10 ORB#8MJIC	2
23	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
24	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1
25	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
26	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	- -
27	108801	GLAD HAND-RED-AIR **(INCLUDES 209133 SEAL)**	- -
28	139525	VALVE ASSY 3-SPOOL 400	- -
29	55B61	FRAME UNION	- -

Winch Install, Ramsey 20K / 30K, 2-Speed

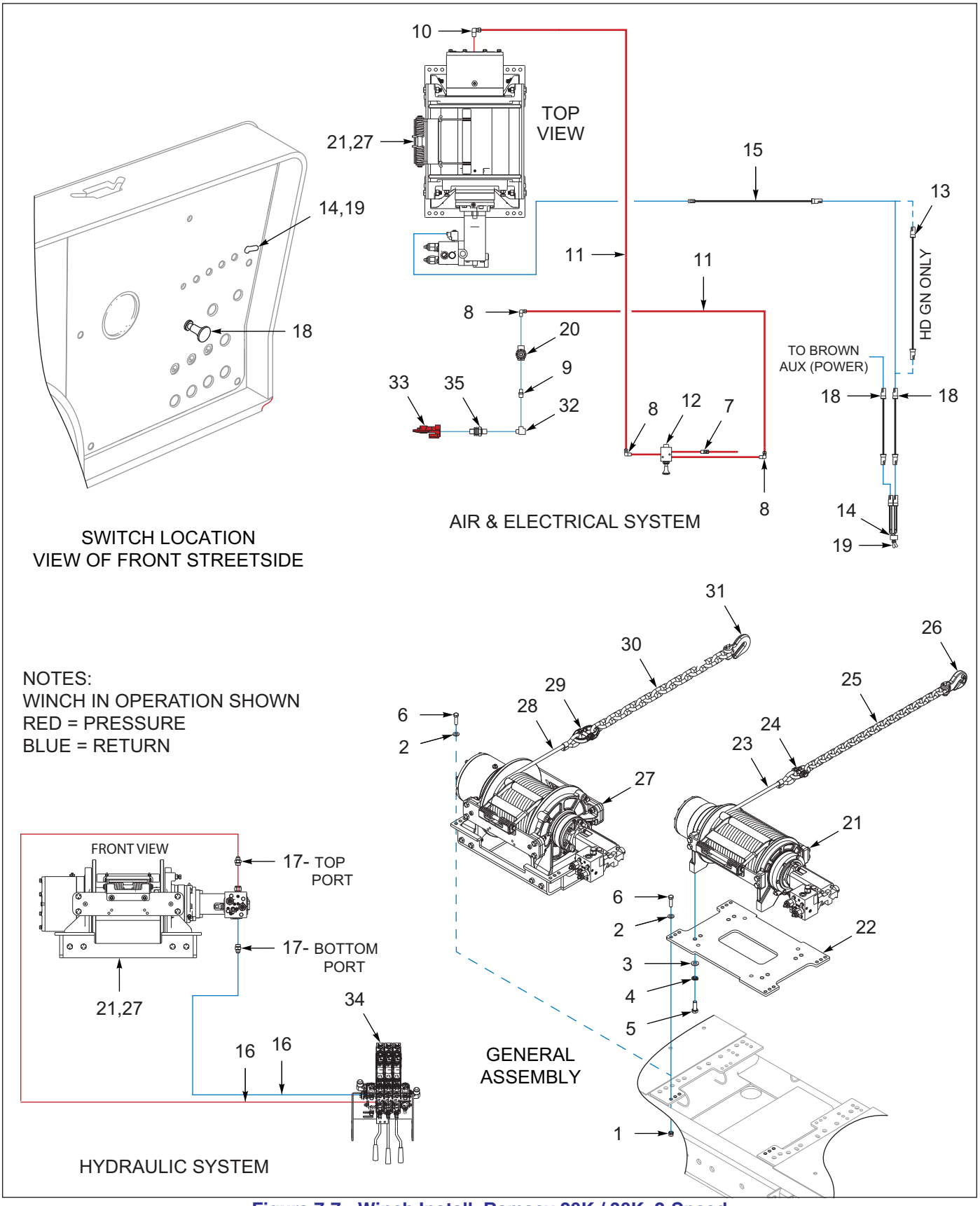


Figure 7-7: Winch Install, Ramsey 20K / 30K, 2-Speed

Winch Install, Ramsey 20K / 30K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240529	WINCH INSTL 20K RAMSEY 2SP STD **(20K STD GN)**	- -
	240532	WINCH INST 30K RAMSEY 2SPD STD **(30K STD GN)**	- -
	240534	WINCH INST 30K RAMSEY 2SPD HD **(30K HD GN)**	- -
1	1-512-010002-09	NUT,HEX SLFLKG,1/2-13,GR C,ZP	12
2	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	12
3	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD **(20K)**	8
4	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8 **(20K)**	8
5	109740	SCREW HEX CAP 5/8-11X1-3/4 GR8 **(20K)**	8
6	B1821BH050C175N	SCREW HX CP1/2-13X1-3/4GR8 ZP	12
7	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
8	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	3
9	1-297-010019-05	FITTING,BRS PIPE,HX 3/8X1/4	1
10	102-0188	FTG,90 EL 04SAEM X 04 O-RING	1
11	1-833-010001	TUBING NYLON 1/4 OD **(BLACK BY THE FOOT)**	34
12	134657	VALVE AIR 3WAY/2POS 1/4NPT **(INCLUDES KNOB 201635)**	1
13	150111	HARNESS 300 IN MALE.FEMALE **(30K HD GN)**	1
14	150117	SWITCH ASSY LIGHT GROTE	1
15	164053	HARNESS,102"BRANCH,WORK LIGHT	1
16	174188	HOSE ASSY 1/2X182 SAE37 STR90 **(20K, 30K STD GN)**	2
16	1-397-010302220	HOSE ASSY,1/2X220,SAE37,STR90 **(30K HD GN)**	2
17	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
18	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
19	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1
20	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
21	240526	WINCH 20K RAMSEY 2 SPEED **(20K COMPONENTS - SEE PAGE 7-39)**	1
22	240545	PLATE WINCH MOUNT RAMSEY **(20K)**	1
23	3-155-010018-6	CABLE 5/8 W/LOOP 85FT **(20K)**	1
24	3-174-010038	CHAIN LINK CONNECTING 1/2 **(20K)**	1
25	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS **(20K)**	1
26	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70 **(20K)**	1
27	240528	WINCH 30K RAMSEY 2 SPEED **(30K COMPONENTS - SEE PAGE 7-43)**	1
28	132833	CABLE ASSY 5/8X85FLEX-X9 **(30K)**	1
29	3-174-010059	CHAIN LINK CONNECTING 5/8 **(30K)**	1
30	3-174-010060036	CHAIN 5/8X36IN GRADE 80 **(30K)**	1
31	1-382-010035-06	HOOK,CLEVIS GRAB 5/8 GRD80 **(30K)**	1
32	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	- -
33	108801	GLAD HAND-RED-AIR **(INCLUDES 209133 SEAL)**	- -
34	139525	VALVE ASSY 3-SPOOL 400	- -
35	55B61	FRAME UNION	- -

Winch Install, Warn 20K / 30K, 2-Speed

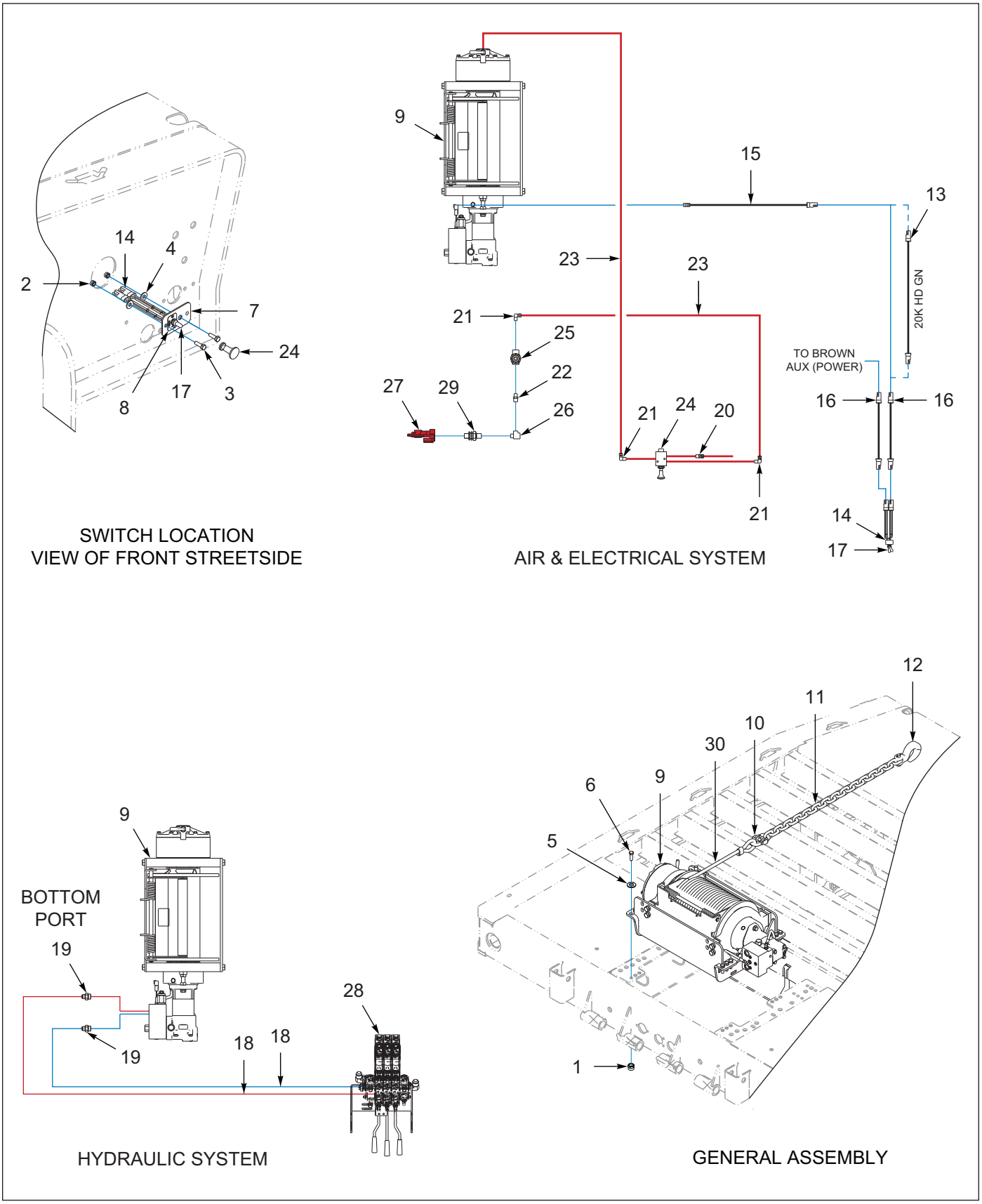


Figure 7-8: Winch Install, Warn 20K / 30K, 2-Speed

Winch Install, Warn 20K / 30K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	167522	WINCH INSTL 20K WARN 2SP STD **(20K STD GN)**	- -
	174175	WINCH INSTL 20K WARN 2SP HD **(20K HD GN)**	- -
	172878	WINCH INSTALLATION, 30K 2 SPEED **(30K)**	- -
1	1-512-010002-09	NUT,HEX SLFLKG,1/2-13,GR C,ZP	12
2	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	2
3	1-654-010049-05	SCREW HX CP 5/16-18UNCX1 GR5	2
4	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
5	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	12
6	108439	SCREW HX CP 1/2-13UNCX1-1/2G8	12
7	137987	MOUNT ELECTRIC SWITCH 410	1
8	174043	DECAL, WINCH, HI/LO	1
9	174553	WINCH ASSY WARN 20K **(20K ASSEMBLY - SEE PAGE 7-19)**	1
9	174552	WINCH ASSY WARN 30K 2 SPEED **(30K ASSEMBLY - SEE PAGE 7-19)**	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 5/8X36" GRD 7 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	150111	HARNESS 300 IN MALE.FEMALE**(20K HD GN)**	1
14	150117	SWITCH ASSY LIGHT GROTE	1
15	164053	HARNESS,102"BRANCH,WORK LIGHT	1
16	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
17	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1
18	174188	HOSE ASSY 1/2X182 SAE37 STR90 **(20K / 30K STD GN)**	2
18	1-397-010302220	HOSE ASSY,1/2X220,SAE37,STR90 **(20K HD GN)**	2
19	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
20	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
21	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	3
22	1-297-010019-05	FITTING,BRS PIPE,HX 3/8X1/4	1
23	1-833-010001	TUBING NYLON 1/4 OD **(BY THE FOOT)**	34
24	134657	VALVE AIR 3WAY/2POS 1/4NPT **(INCLUDES KNOB 201635)**	1
25	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
26	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	1
27	108801	GLAD HAND-RED-AIR **(INCLUDES 209133 SEAL)**	1
28	139525	VALVE ASSY 3-SPOOL 400	1
29	55B61	FRAME UNION	1
30	3-155-010018-6	CABLE 5/8 W/LOOP 85FT **(20K)**	1
30	132833	CABLE 5/8 W/LOOP 85FT **(30K)**	1

Winch Assembly, Braden 12K / 20K, 1-Speed

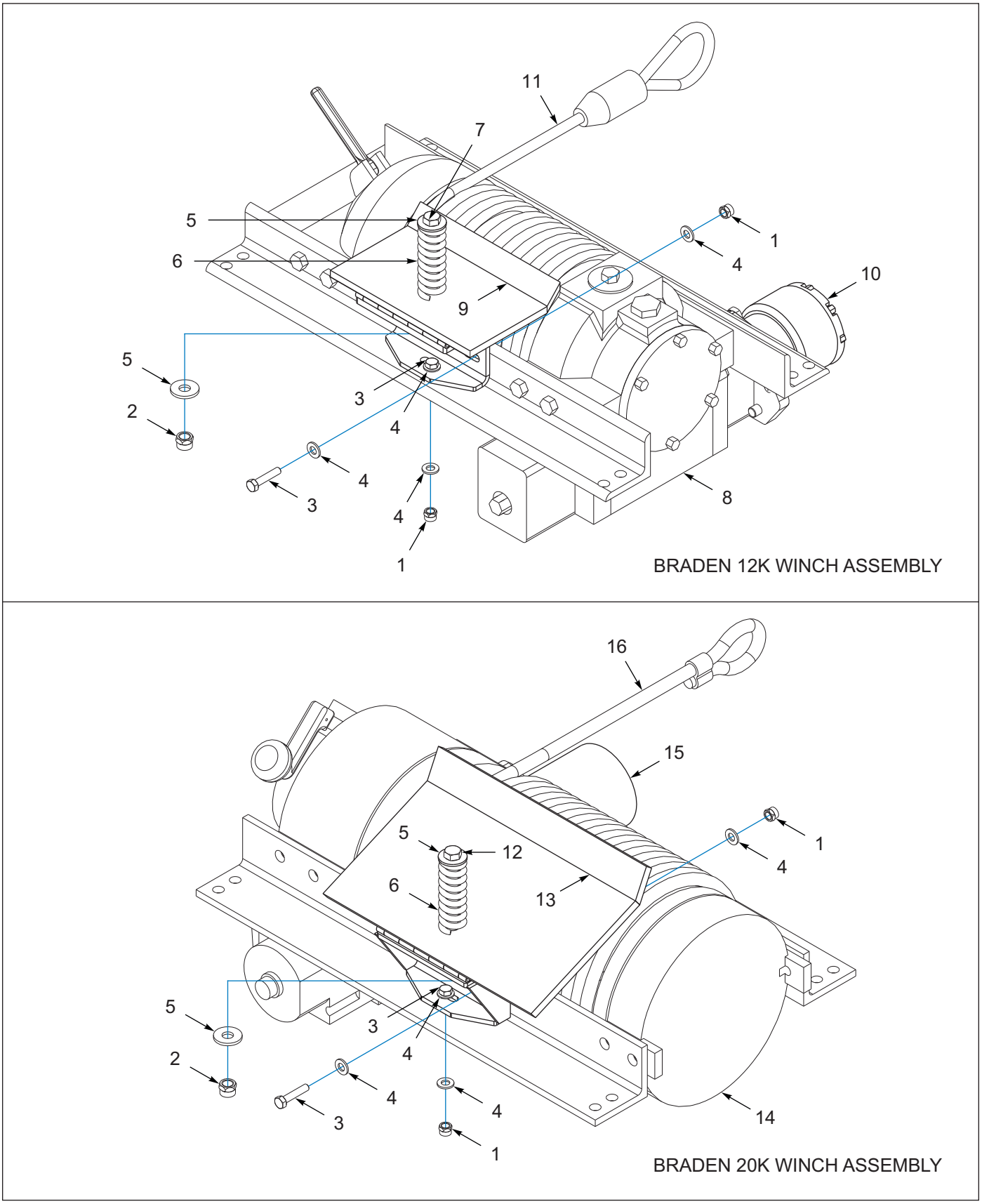


Figure 7-9: Winch Assembly, Braden 12K / 20K, 1-Speed

Winch Assembly, Braden 12K / 20K, 1-Speed

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 7-21)**	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 7-29)**	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 7-25)**	1
15	3-481-010007	MOTOR HYD 12.9CU IN/REV,SAE B **(SPLINE SHAFT, 2 BOLT MOUNT)** **(COMPONENTS - SEE PAGE 7-29)**	1
16	3-155-010018-6	CABLE 5/8 W/LOOP 85FT **(20K)**	1

Winch Assembly, Warn 20K / 30K, 2-Speed

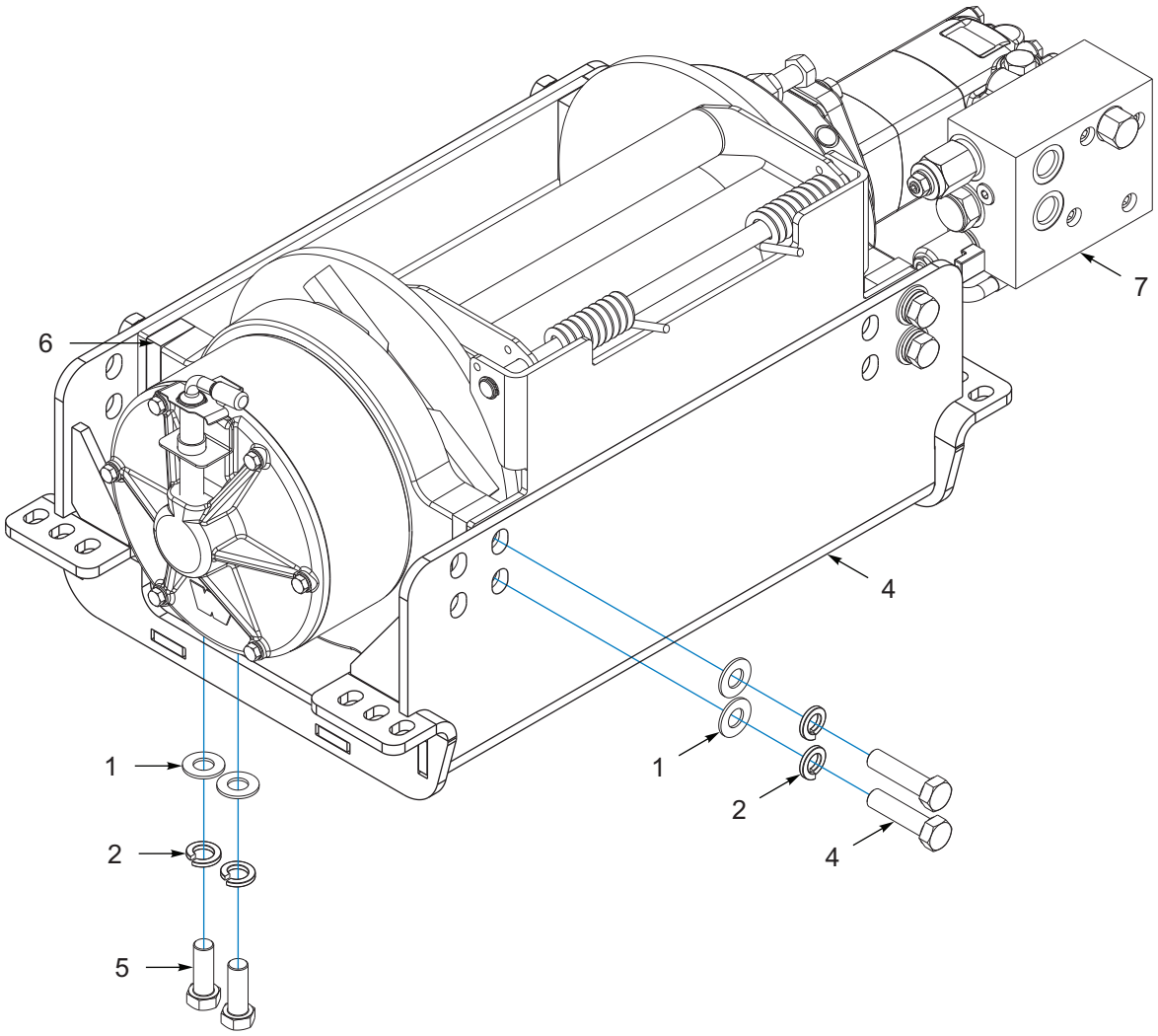
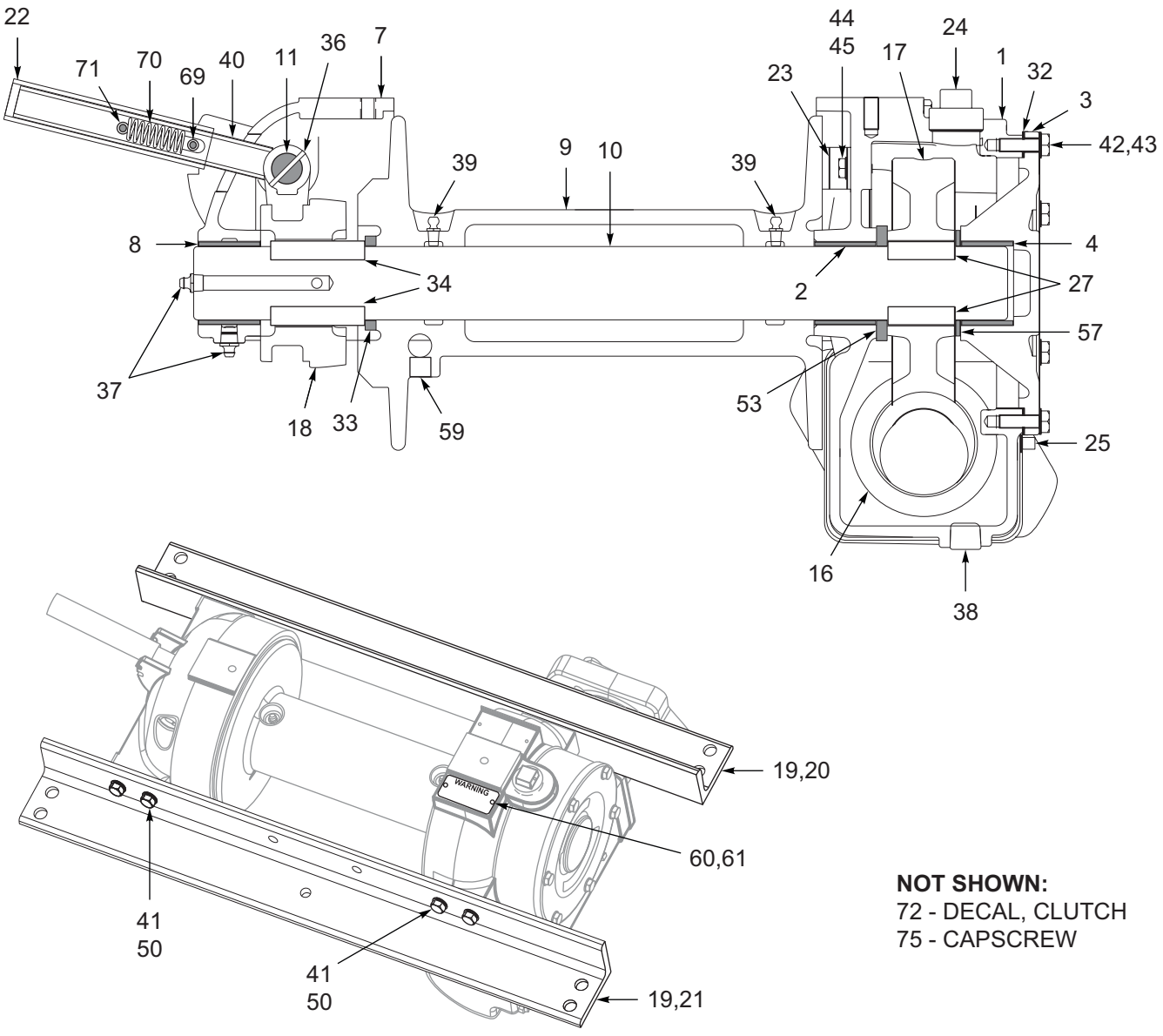


Figure 7-10: Winch Assembly, Warn 20K / 30K, 2-Speed

Winch Assembly, Warn 20K / 30K, 2-Speed

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 **(WINCH COMPONENTS - SEE PAGE 7-45)**	1
7	172877	WINCH 30K WARN 2 SPD AIR **(WINCH COMPONENTS - SEE PAGE 7-47)**	1

Winch Components, Braden 12K, 1-Speed



NOT SHOWN:
72 - DECAL, CLUTCH
75 - CAPSCREW

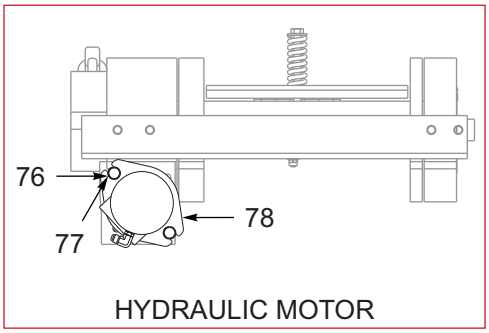


Image courtesy of the winch manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 7-11: Winch Components, Braden 12K, 1-Speed (1 of 2)

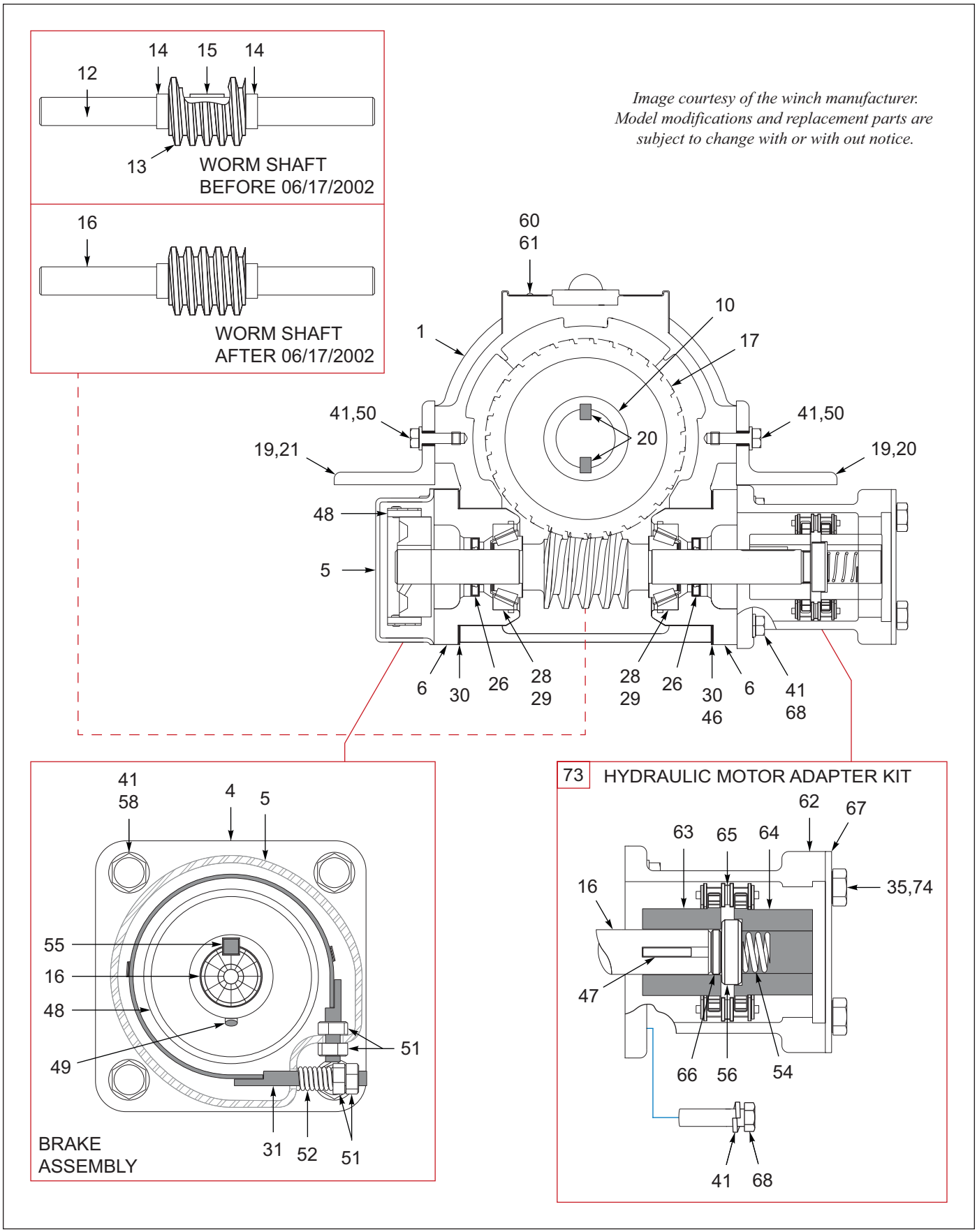


Figure 7-12: Winch Components, Braden 12K, 1-Speed (2 of 2)

Winch Components, Braden 12K, 1-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010122	WINCH, WORM GEAR 12,000 LB	1
	3-873-010126-2	WINCH ASSY,12,000 LB PARKER **(2 BOLT MOUNT MOTOR)**	1
1	81006	HOUSING **(INCLUDES ITEM 2)**	1
2	18078	BUSHING-WORM HSNG ASSY12MBRAD **(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	248594	CABLE DRUM SHAFT 12K **(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	248595	WORM LU2-L GEAR/SHAFT 12K **(AFTER 06/17/2002, 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	248596	BASE ANGLE 12K MOTOR SIDE **(AFTER 10/23/1990, REPLACED ITEM 19)**	1
21	249510	BASE ANGLE 12K 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	248597	CAPSCREW 12K BRADEN **(SHIPPING COVER)**	2
36	11837	ROLL PIN	1
37	18047	GREASE FITTING **(BEFORE 06/17/2013, REQ 1 EACH, BOTTOM FITTING) (AFTER 06/17/2013 FITTING ON END OF THE SHAFT ADDED)**	2
38	19045	DRAIN PLUG	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
39	248598	FITTING GREASE 12K BRADEN	2
40	13839	SHIFTER FORK LGU2	1
41	248599	LOCKWASHER 12K BRADEN **(INCLUDED WITH ITEM 73, 4 EACH)**	16
42	248600	CAPSCREW 12K BRADEN	6
43	248601	WASHER SHPRF BRADEN 12K	6
44	249506	CAPSCREW 12K BRADEN	2
45	249507	WASHER SHPRF 12K WASHER	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	249508	CAPSCREW 12K BRADEN **(INCLUDED WITH ITEM 73)**	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	249509	SHIELD DUST MU7-502DG 12K **(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 7-29)**	1

Winch Components, Braden 20K, 1-Speed

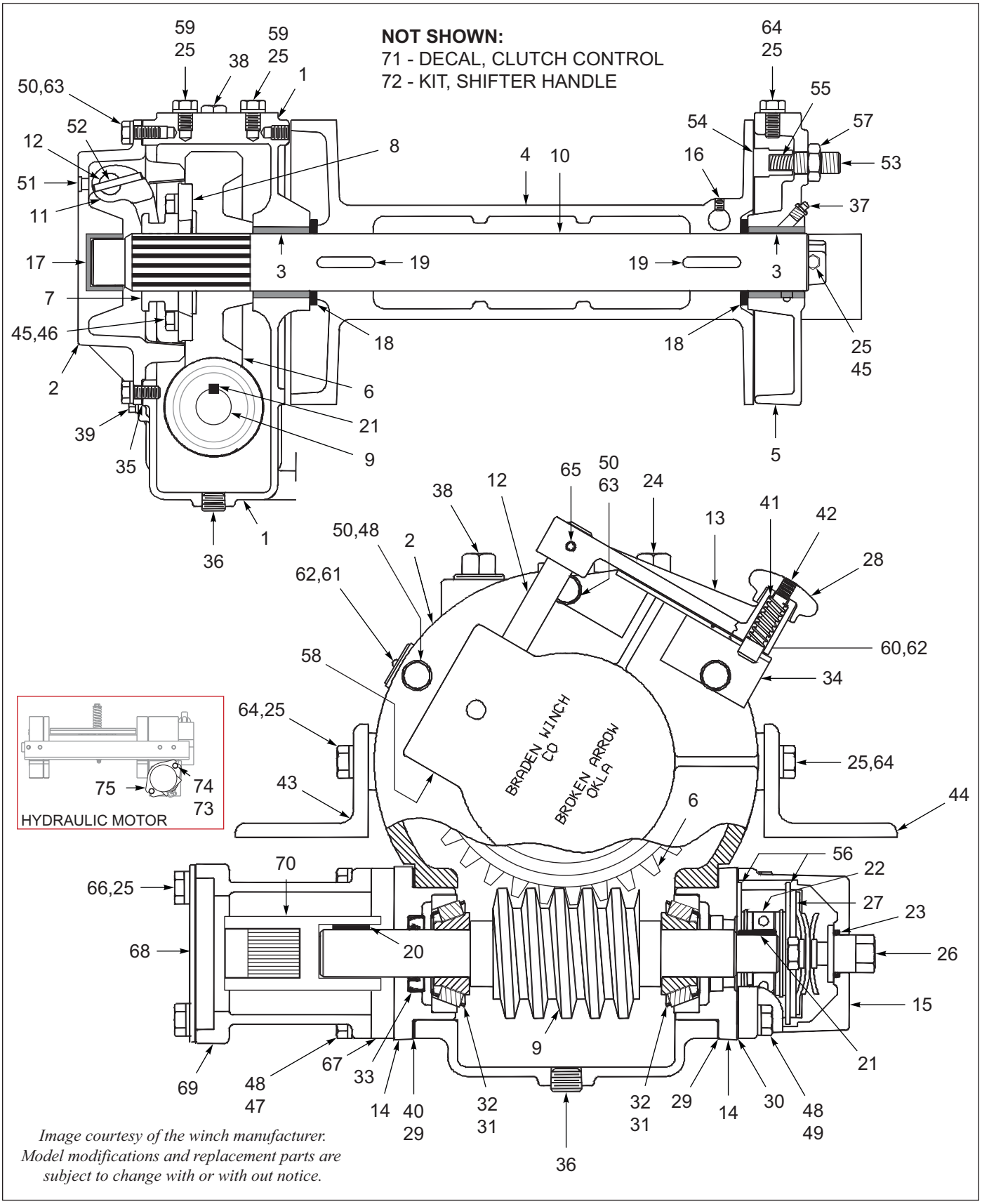


Image courtesy of the winch manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 7-13: Winch Components, Braden 20K, 1-Speed

Winch Components, Braden 20K, 1-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010123	WINCH,WORM GEAR,20,000LB BRADN	1
	3-873-010129-2	WINCH ASSY,20000 LB, PARKER	1
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# WNCH **(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

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 7-29)**	1

Table provided for general use.

NOTES:

Winch Components, Braden 12K / 20K, 1-Speed, Motor

NOT SHOWN:
17 - KIT, SEAL

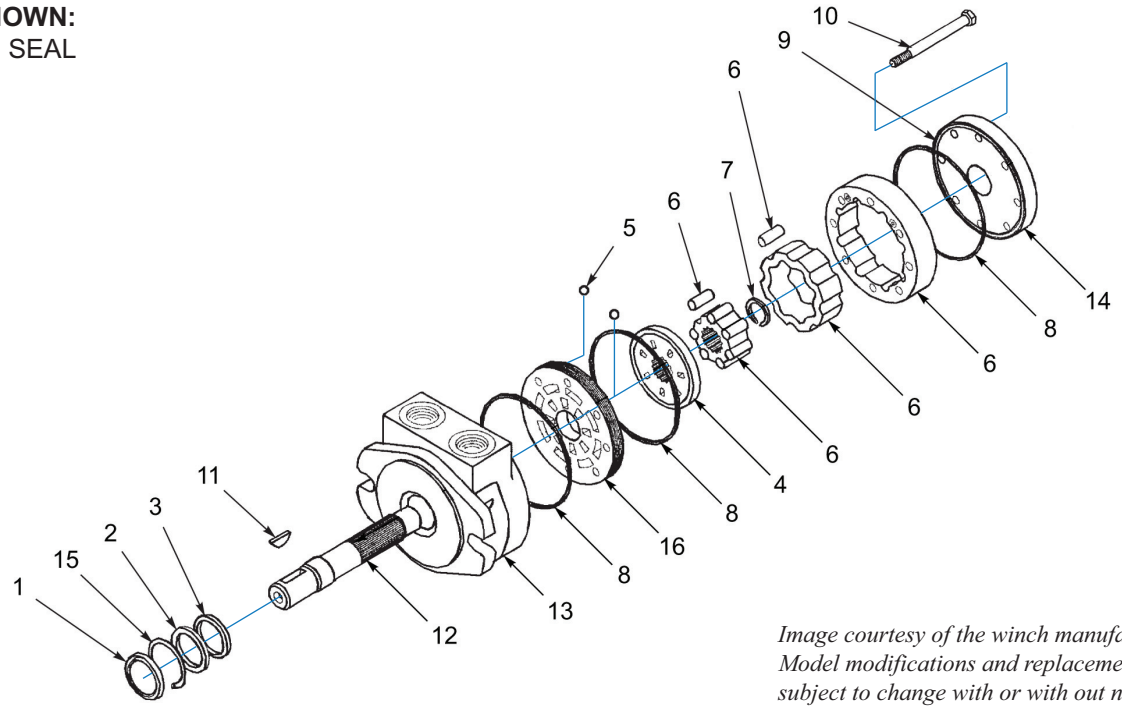


Image courtesy of the winch manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 7-14: Winch Components, Braden 12K / 20K, 1-Speed, Motor

Winch Components, Braden 12K / 20K, 1-Speed, Motor

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-481-010006	MOTOR,HYD 7.1 CU IN/REV,SAE A **(12K WINCH)**	1
	3-481-010007	MOTOR HYD 12.9CU IN/REV,SAE B **(FOR 20K WINCH)**	1
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	- - - - -	SHAFTFOR - 20K WINCH **(SPLINED SHAFT)**	1
12	- - - - -	SHAFTFOR - 12K WINCH **(KEY SHAFT)**	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

Table provided for general use.

NOTES:

Winch Components, Braden 20K, 2-Speed

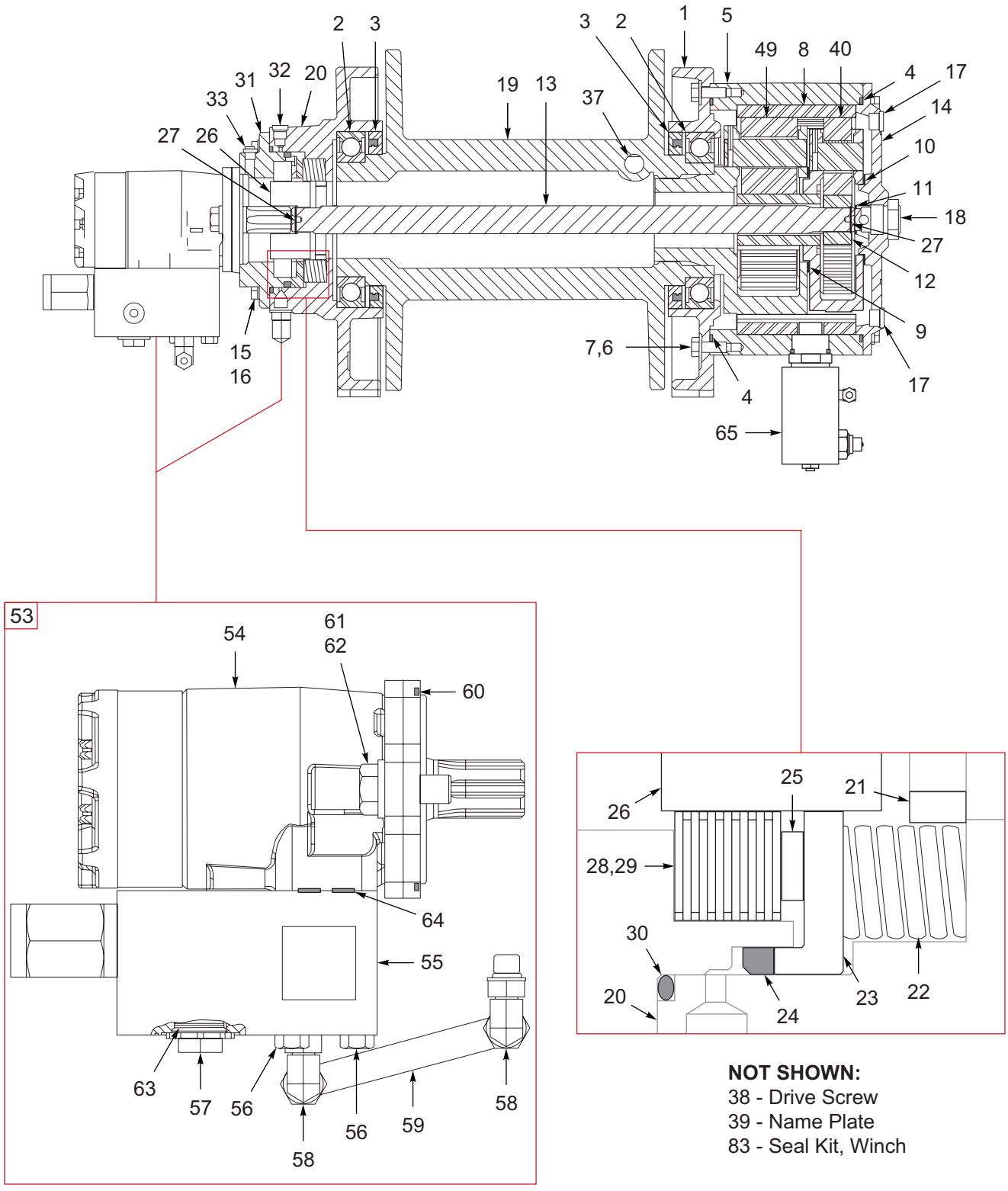


Image courtesy of the manufacturer.
Model modifications and replacement parts are subject to chage with or with out notice.

Figure 7-15: Winch Components, Braden 20K, 2-Speed (1 of 2)

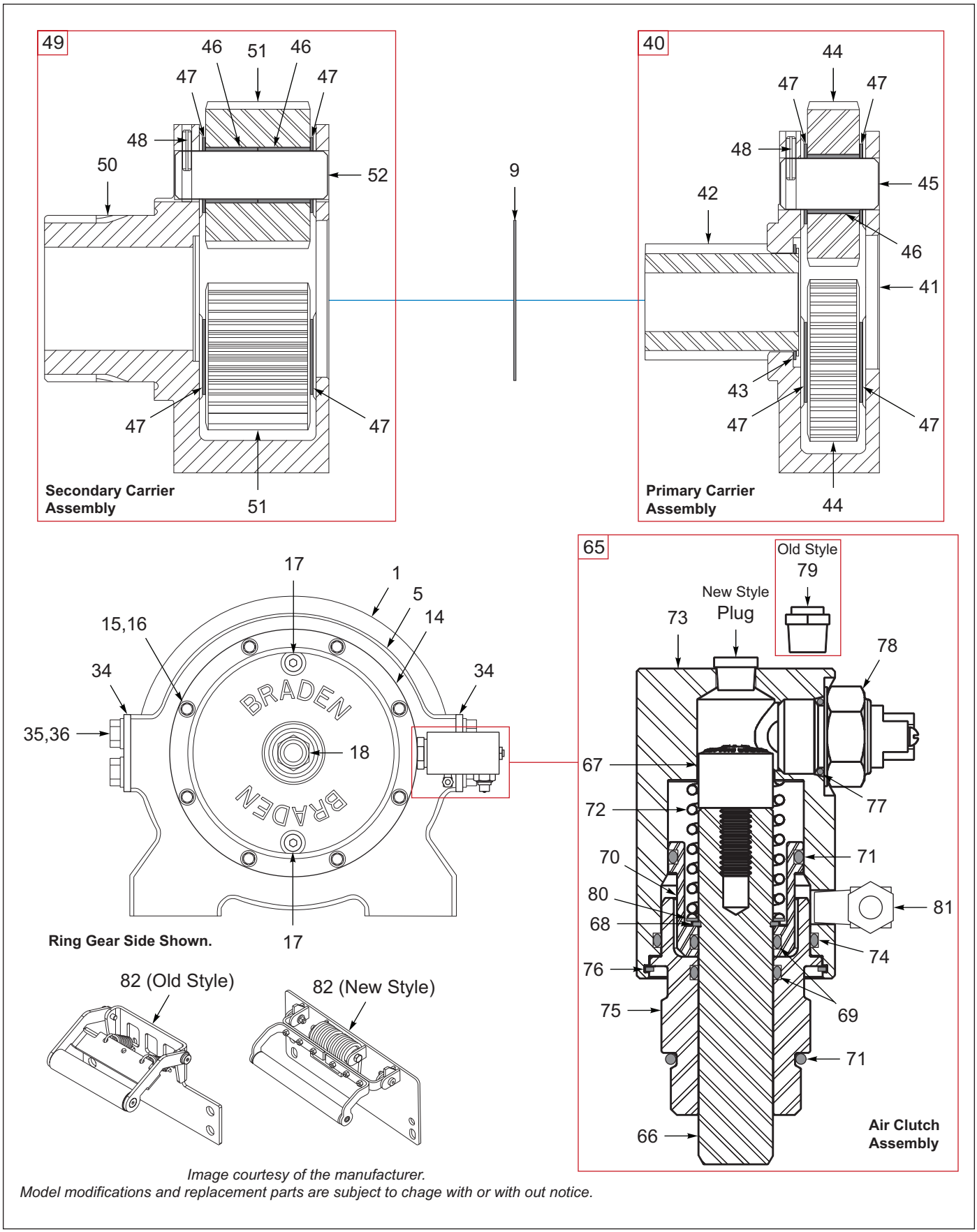


Image courtesy of the manufacturer.
Model modifications and replacement parts are subject to chage with or with out notice.

Figure 7-16: Winch Components, Braden 20K, 2-Speed (2 of 2)

Winch Components, Braden 20K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	239740	WINCH 20K BRADEN 2 SPEED	1
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	248291	NAMEPLATE TR20A J706 **(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

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	248579	O-RING WINCH MTR TO 2SPD VALVE **(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) (NEW STYLE CYLINDER DO NOT USE ITEM 79, EXTERNAL VENT)**	1
66	248580	PIN FREE SPOOL AIR SOLENOID **(INCLUDED WITH ITEM 65)**	1
67	248581	BUMPER 3/4" **(INCLUDED WITH ITEM 65)**	1
68	248582	RET RING EXT .75 .042 **(INCLUDED WITH ITEM 65)**	1
69	248583	O-RING AIR SOLENOID PIN **(INCLUDED WITH ITEM 65)**	2
70	248584	PISTON AIR SOLENOID **(INCLUDED WITH ITEM 65)**	1
71	248585	O-RING AIR SOLENOID PISTON **(INCLUDED WITH ITEM 65)**	2
72	248586	SPRING AIR SOLENOID PISTON **(INCLUDED WITH ITEM 65)**	1
73	248587	HOUSING AIR SOLENOID **(INCLUDED WITH ITEM 65)**	1
74	248588	O-RING AIR SOLENOID HOUSING **(INCLUDED WITH ITEM 65)**	1
75	248589	PLUG AIR SOLENOID **(INCLUDED WITH ITEM 65)**	1
76	248590	RET RING INT 1.75 .052 **(INCLUDED WITH ITEM 65)**	1
77	248591	O-RING AIR SOLENOID BALL SW **(INCLUDED WITH ITEM 65)**	1
78	248592	BALL SW #8 ORB NC **(INCLUDED WITH ITEM 65)**	1
79	130350	RELIEF / VENT (10074) (**INCLUDED WITH OLD STYLE ITEM 65) (NEW STYLE CYLINDER DOES NOT USE EXTERNAL VENT)**	1
80	248593	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	- - - - -	TENSION ASY BRADEN 20K 2 SPD **(OLD SYTLE) (OBSOLETE, REPLACED BY 251165)**	- -
82	251165	FI BRADEN 20K 2SPD TENSIONER **(NEW STYLE) (SOLD AS ASSEMBLY ONLY)**	1
83	248578	SEAL KIT, WINCH 20K 2SPD **(KIT INCLUDES ITEMS 3-4, 24, 30, 33, 60, 64)**	1

Winch Components, Braden 30K, 2-Speed

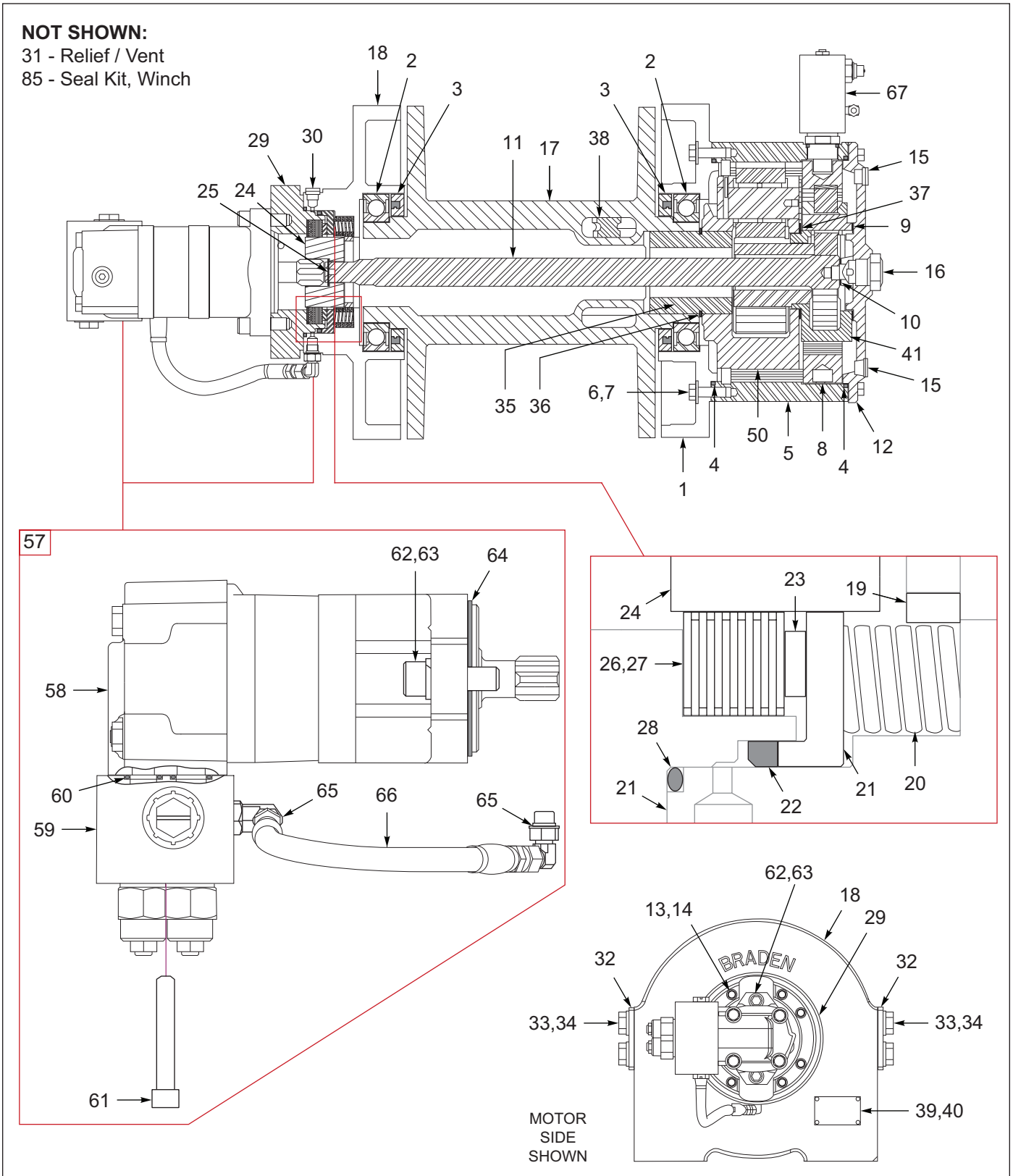


Image courtesy of the manufacturer.
Model modifications and replacement parts are subject to chage with or with out notice.

Figure 7-17: Winch Components, Braden 30K, 2-Speed (1 of 2)

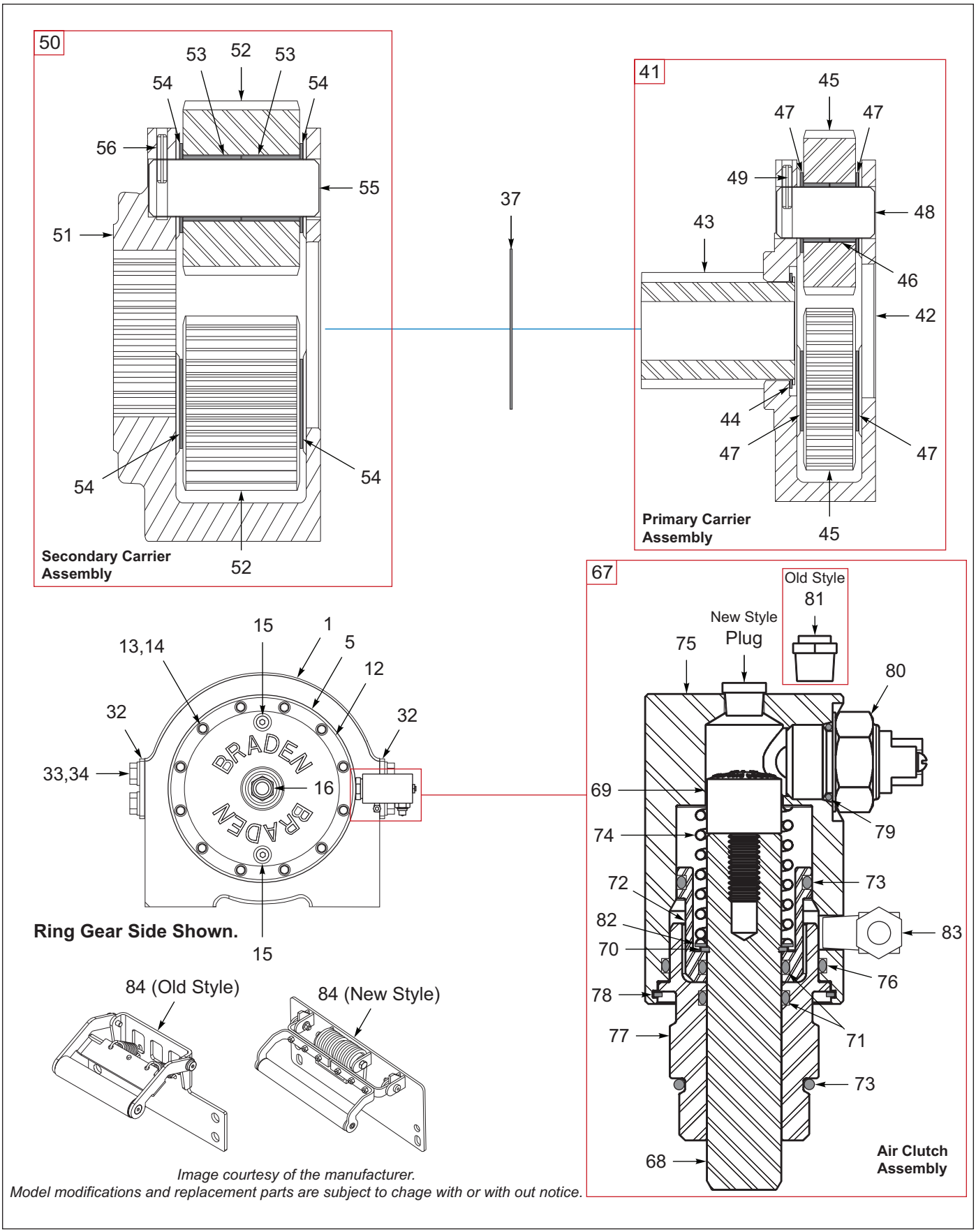


Image courtesy of the manufacturer.
Model modifications and replacement parts are subject to chage with or with out notice.

Figure 7-18: Winch Components, Braden 30K, 2-Speed (2 of 2)

Winch Components, Braden 30K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	239745	WINCH 30K BRADEN 2 SPEED	1
1	248311	ENDPLATE BRADEN 30K	1
2	247938	BALL BEARING 20K BRADEN	2
3	247939	SEAL 4.72 X 6.30 X .47 **(INCLUDED WITH ITEM 85)**	2
4	248312	O-RING BRADEN 30K **(INCLUDED WITH ITEM 85)**	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 **(INCLUDED WITH ITEM 85)**	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 **(INCLUDED WITH ITEM 85)**	1
29	248321	MOTOR ADAPT SAE792 BRADEN 2SPD	1
30	248286	PLUG -4 BRADEN 20K	1
31	130350	RELIEF / VENT (10074) **(INCLUDED WITH ITEM 85)**	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, 85)**	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, 85)**	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) (NEW STYLE CYLINDER DO NOT USE ITEM 81, EXTERNAL VENT)**	1
68	248580	PIN FREE SPOOL AIR SOLENOID **(INCLUDED WITH ITEM 67)**	1
69	248581	BUMPER 3/4" **(INCLUDED WITH ITEM 67)**	1
70	248582	RET RING EXT .75 .042 **(INCLUDED WITH ITEM 67)**	1
71	248583	O-RING AIR SOLENOID PIN **(INCLUDED WITH ITEM 67)**	2
72	248584	PISTON AIR SOLENOID **(INCLUDED WITH ITEM 67)**	1
73	248585	O-RING AIR SOLENOID PISTON **(INCLUDED WITH ITEM 67)**	2
74	248586	SPRING AIR SOLENOID PISTON **(INCLUDED WITH ITEM 67)**	1
75	248587	HOUSING AIR SOLENOID **(INCLUDED WITH ITEM 67)**	1
76	248588	O-RING AIR SOLENOID HOUSING **(INCLUDED WITH ITEM 67)**	1
77	248589	PLUG AIR SOLENOID **(INCLUDED WITH ITEM 67)**	1
78	248590	RET RING INT 1.75 .052 **(INCLUDED WITH ITEM 67)**	1
79	248591	O-RING AIR SOLENOID BALL SW **(INCLUDED WITH ITEM 67)**	1
80	248592	BALL SW #8 ORB NC **(INCLUDED WITH ITEM 67)**	1
81	130350	RELIEF / VENT (10074) **(INCLUDED WITH OLD STYLE ITEM 67)** **(NEW STYLE CYLINDER DOES NOT USE EXTERNAL VENT)**	1
82	248593	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	- - - - -	TENSION ASSY BRADEN 30K 2 SPD **(OLD STYLE)** **(OBSOLETE, REPLACED BY 251166)**	- -
84	251166	FI BRADEN 30K 2SPD TENSIONER **(NEW STYLE)** **(SOLD AS ASSEMBLY ONLY)**	1
85	251242	SEAL KIT BRADEN WINCH TR30A **(KIT INCLUDES ITEMS 3-4, 22, 28, 31, 60, 64)**	1

Winch Components, Ramsey 20K, 2-Speed

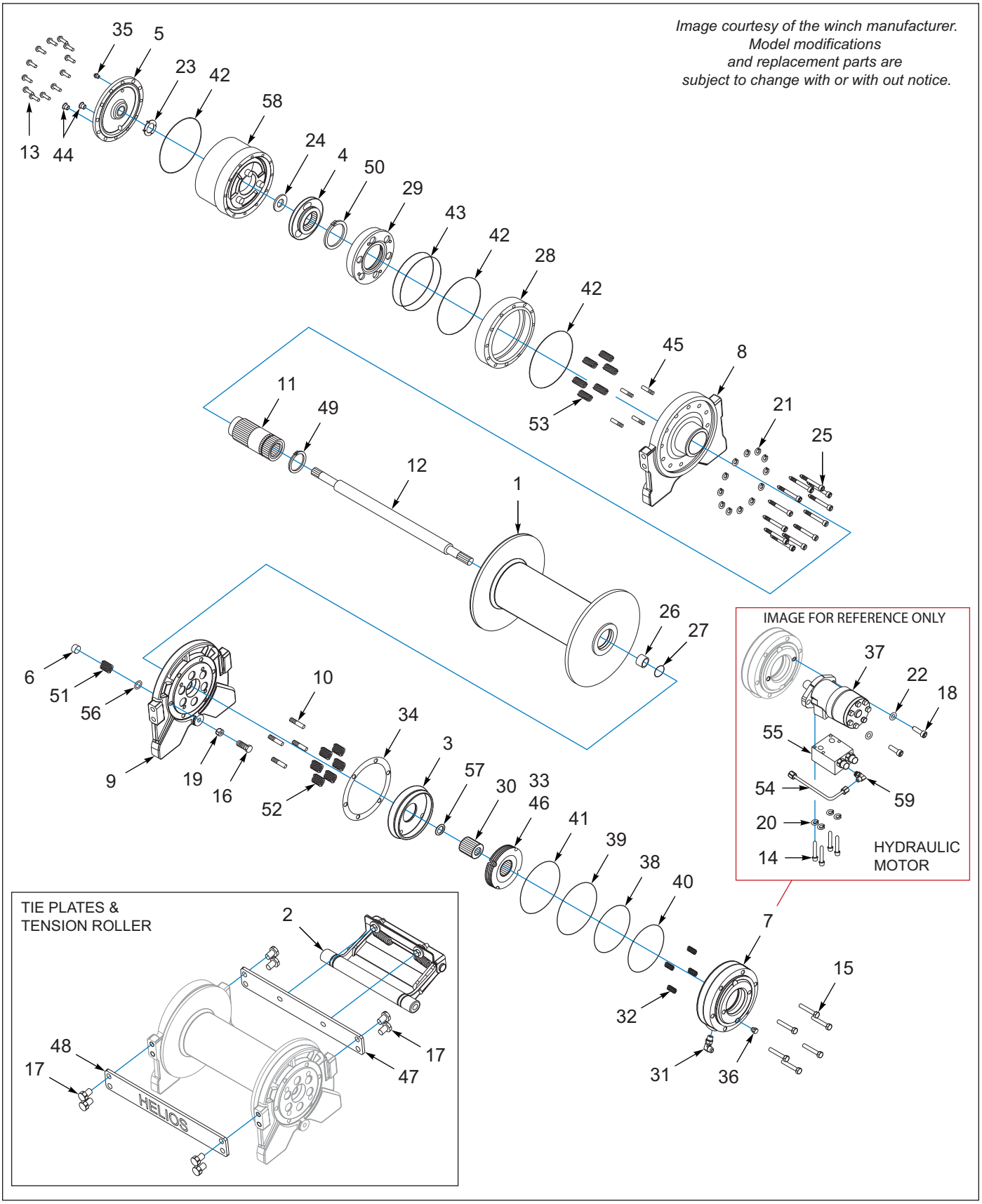


Figure 7-19: Winch Components, Ramsey 20K, 2-Speed

Winch Components, Ramsey 20K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240526	WINCH 20K RAMSEY 2 SPEED	1
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 2OK	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

Table provided for general use.

NOTES:

Winch Components, Ramsey 30K, 2-Speed

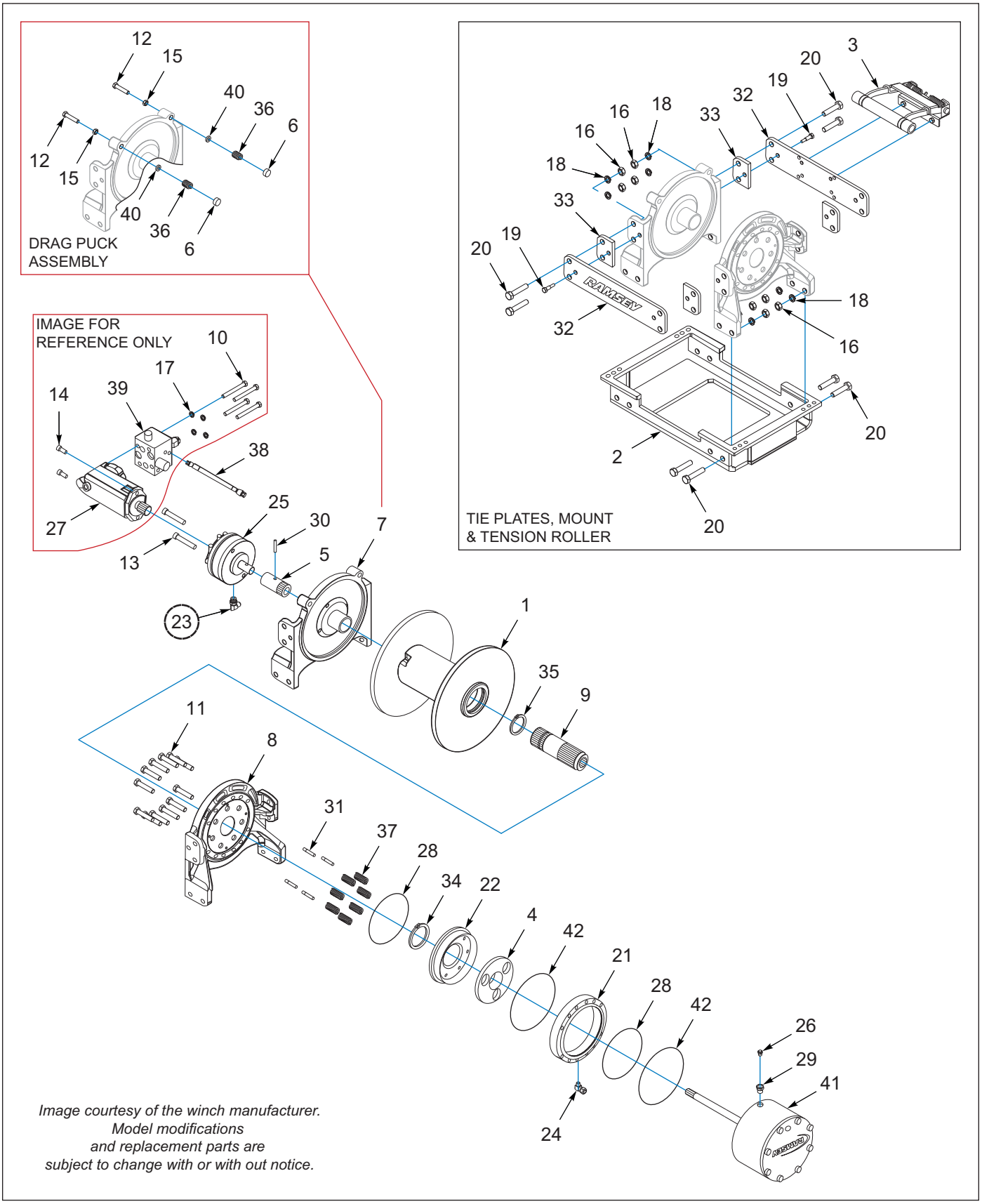
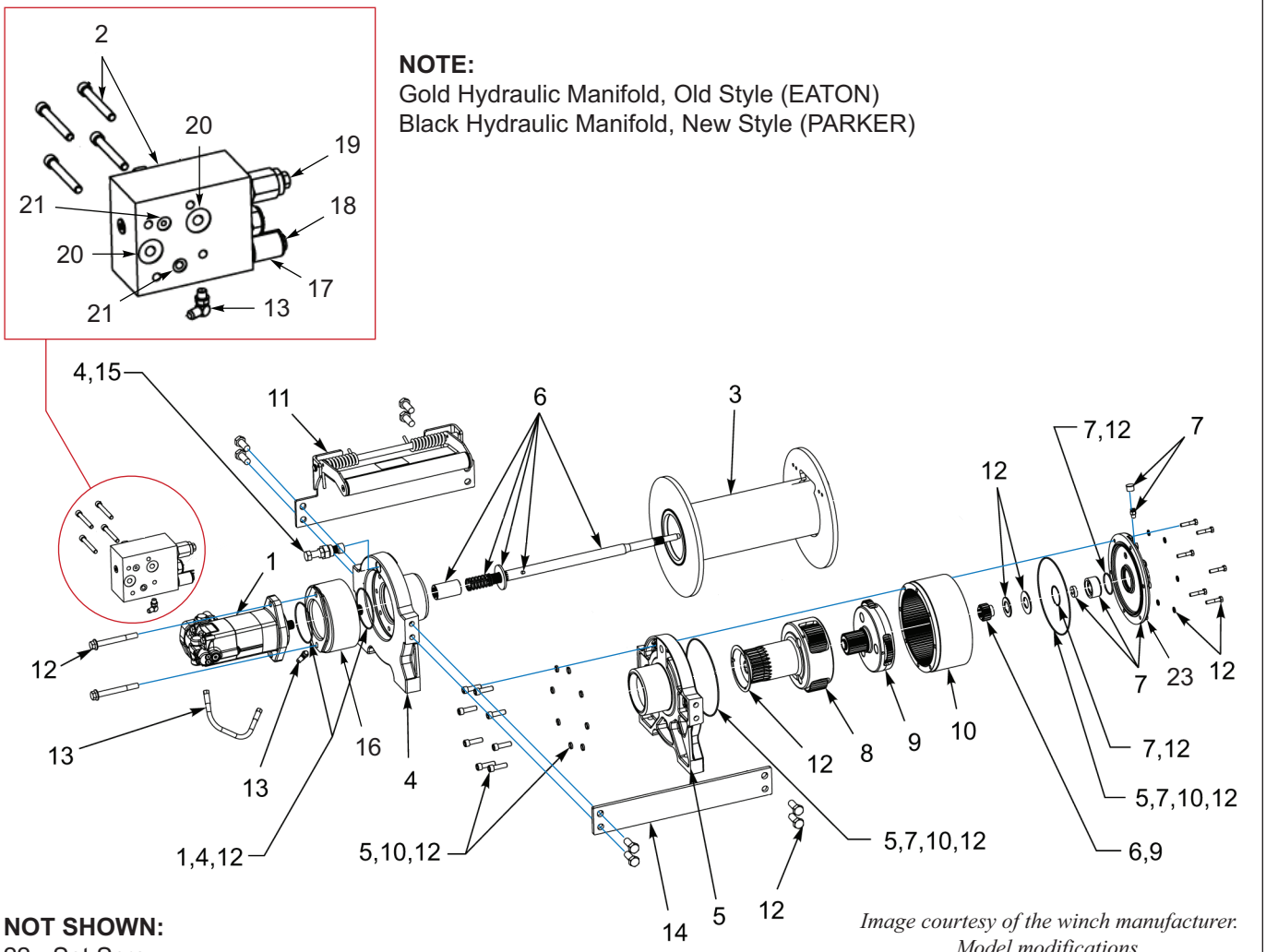


Figure 7-20: Winch Components, Ramsey 30K, 2-Speed

Winch Components, Ramsey 30K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240528	WINCH 30K RAMSEY 2 SPEED	1
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 20K, 2-Speed



NOTE:
Gold Hydraulic Manifold, Old Style (EATON)
Black Hydraulic Manifold, New Style (PARKER)

NOT SHOWN:
22 - Set Screw

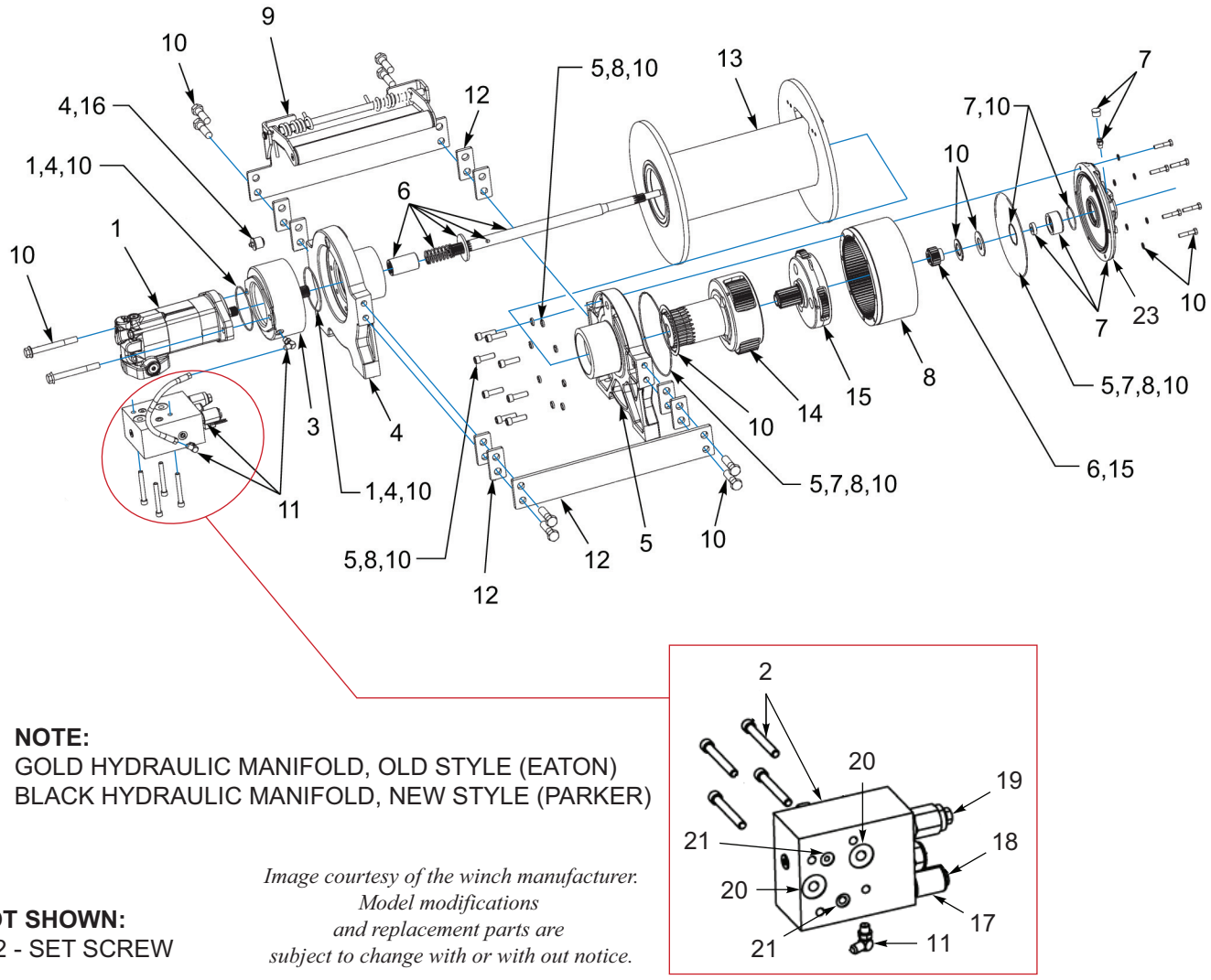
Image courtesy of the winch manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 7-21: Winch Components, Warn 20K, 2-Speed

Winch Components, Warn 20K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	167521	WINCH 20K WARN 2 SPEED	1
1	178718	MOTOR-HYD 11.9 CIR 2K STD	1
2	161590	SVC KIT-MANIFOLD-HYD **(EATON, GOLD BODY)**	1
2	178715	SVC KIT-MANIFOLD-HYD **(PARKER, BLACK BODY)**	1
3	162208	SVC KIT - DRUM ASSY 20K LONG	1
4	178999	SVC KIT - DRM RETRD_DRM SPPRT	1
5	162210	SVC KIT-DRUM SPRT GEAR END N	1
6	162211	SVC KIT-DRIVE SHAFT LONG N	1
7	162941	SVC KIT - END HSG ASSY - AIR	1
8	162213	SVC KIT-CARRIER STG2	1
9	162214	SVC KIT-CARRIER STG1	1
10	162215	SVC KIT-RING GEAR	1
11	162216	SVC KIT-TENSIONER	1
12	179000	SVC KIT - HARDWARE-SEAL	1
13	162218	SVC KIT-HOSE HYD	1
14	162219	SVC KIT-TIE PLATE LONG	1
15	179001	SVC KIT - DRUM RETARDER	1
16	162207	SVC KIT - BRAKE ASSEMBLY	1
17	199104	SOLENOID COIL 12V 2SP WARN **(EATON)** **(SILVER ROUND BODY, DUETSCH CONNECTOR ON A LEAD)**	1
17	247951	SOLENOID COIL 12V 2SP PARKER **(PARKER)** **(BLACK SQUARE BODY, DUETSCH CONNECTOR MOUNTED TO SOLENOID BODY)**	1
18	201642	SOLENOID CARTRIDGE VALVE 2SP **(EATON, SILVER BODY)**	1
18	247947	SOLENOID CARTRIDGE VALVE 2SP **(PARKER, BLACK BODY)**	1
19	201643	OVERCENTER VALVE **(EATON, SILVER BODY)**	1
19	247948	OVERCENTER VALVE **(PARKER, BLACK BODY)**	1
20	201644	O-RING **(EATON)**	2
20	247949	O-RING **(PARKER)**	2
21	201645	O-RING **(EATON)**	2
21	247950	O-RING **(PARKER)**	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



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

NOT SHOWN:
#22 - SET SCREW

Image courtesy of the winch manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 7-22: Winch Components, Warn 30K, 2-Speed

Winch Components, Warn 30K, 2-Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	172877	WINCH 30K WARN 2 SPD AIR	1
1	178714	SVC KIT-MOTOR-HYD	1
2	161590	SVC KIT-MANIFOLD-HYD **(EATON, GOLD BODY)**	1
2	178715	SVC KIT-MANIFOLD-HYD **(PARKER, BLACK BODY)**	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 **(EATON)** **(SILVER ROUND BODY, DUETSCH CONNECTOR ON A LEAD)**	1
17	247951	SOLENOID COIL 12V 2SP PARKER **(PARKER)** **(BLACK SQUARE BODY, DUETSCH CONNECTOR MOUNTED TO SOLENOID BODY)**	1
18	201642	SOLENOID CARTRIDGE VALVE 2SP **(EATON, SILVER BODY)**	1
18	247947	SOLENOID CARTRIDGE VALVE 2SP **(PARKER, BLACK BODY)**	1
19	201643	OVERCENTER VALVE **(EATON, SILVER BODY)**	1
19	247948	OVERCENTER VALVE **(PARKER, BLACK BODY)**	1
20	201644	O-RING **(EATON)**	2
20	247949	O-RING **(PARKER)**	2
21	201645	O-RING **(EATON)**	2
21	247950	O-RING **(PARKER)**	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

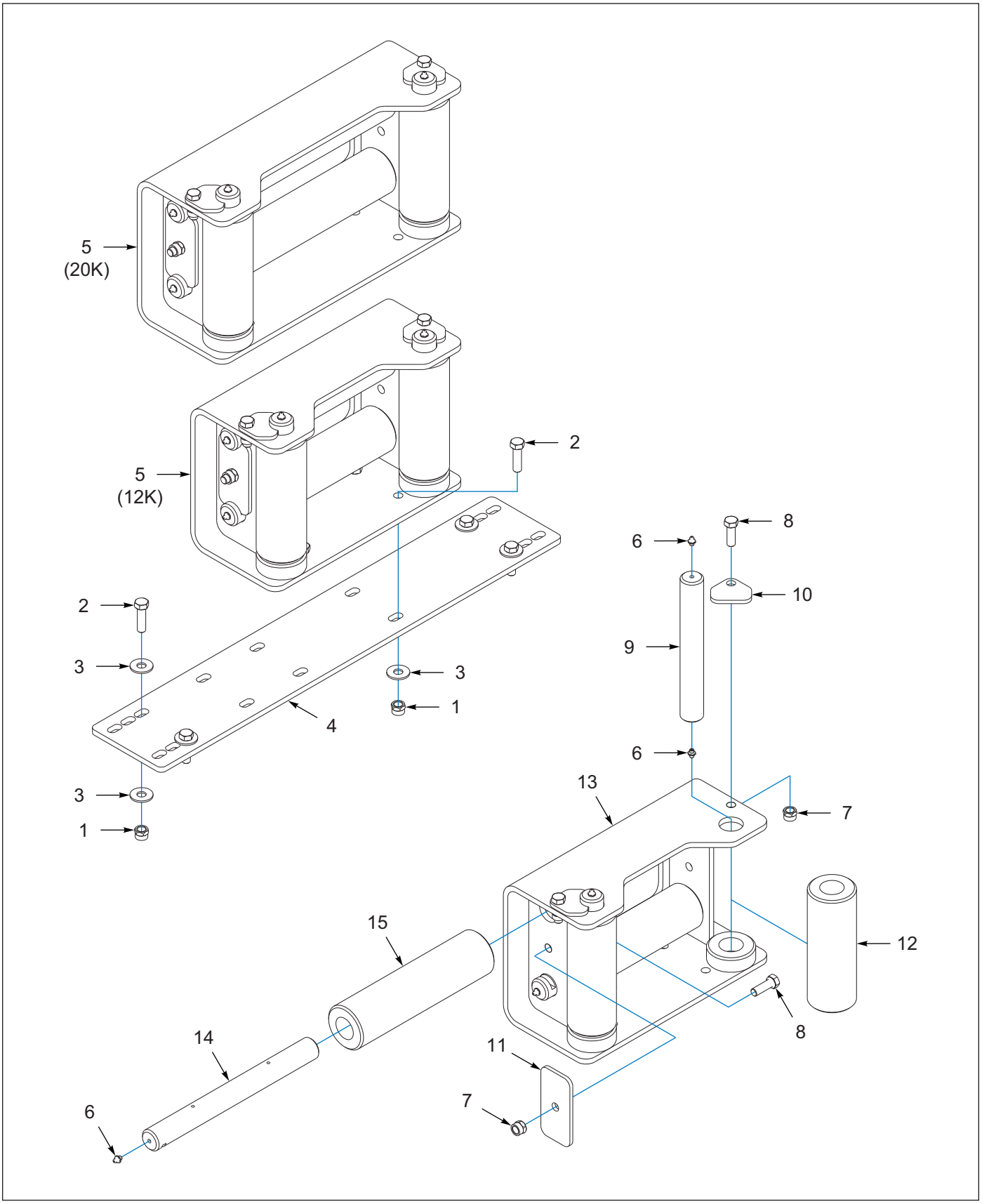


Figure 7-23: Cable Guide, 4-Roller, Braden 12K / 20K

Cable Guide, 4-Roller, Braden 12K / 20K

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 **(12K)** **(INCLUDES ITEMS 6-15)**	1
5	3-352-010067-2	GUIDE ASSY 20K WINCH **(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

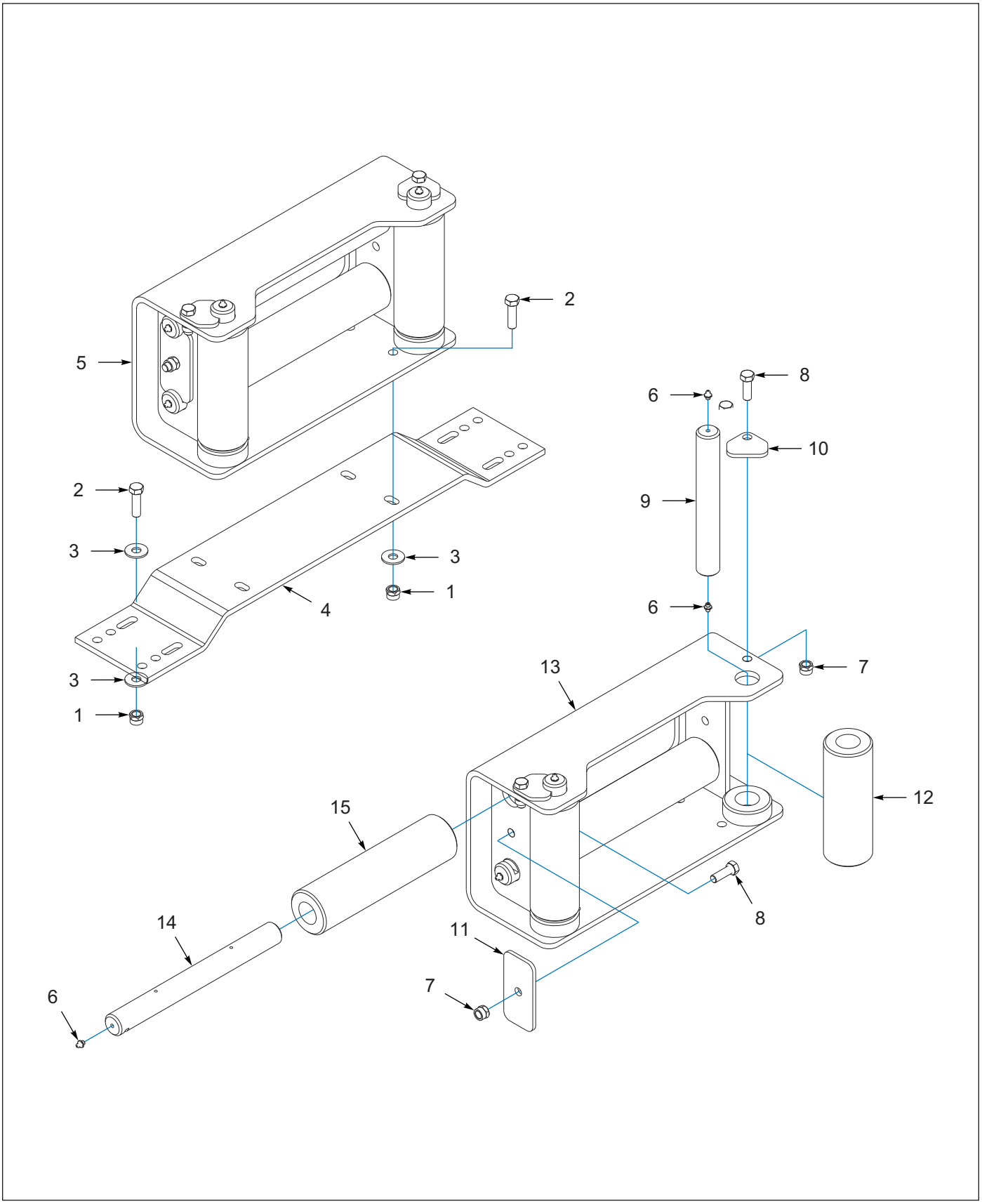


Figure 7-24: Cable Guide, 4-Roller, Warn 20K / 30K

Cable Guide, 4-Roller, Warn 20K / 30K

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

Deck Roller, Slope, Upper Deck

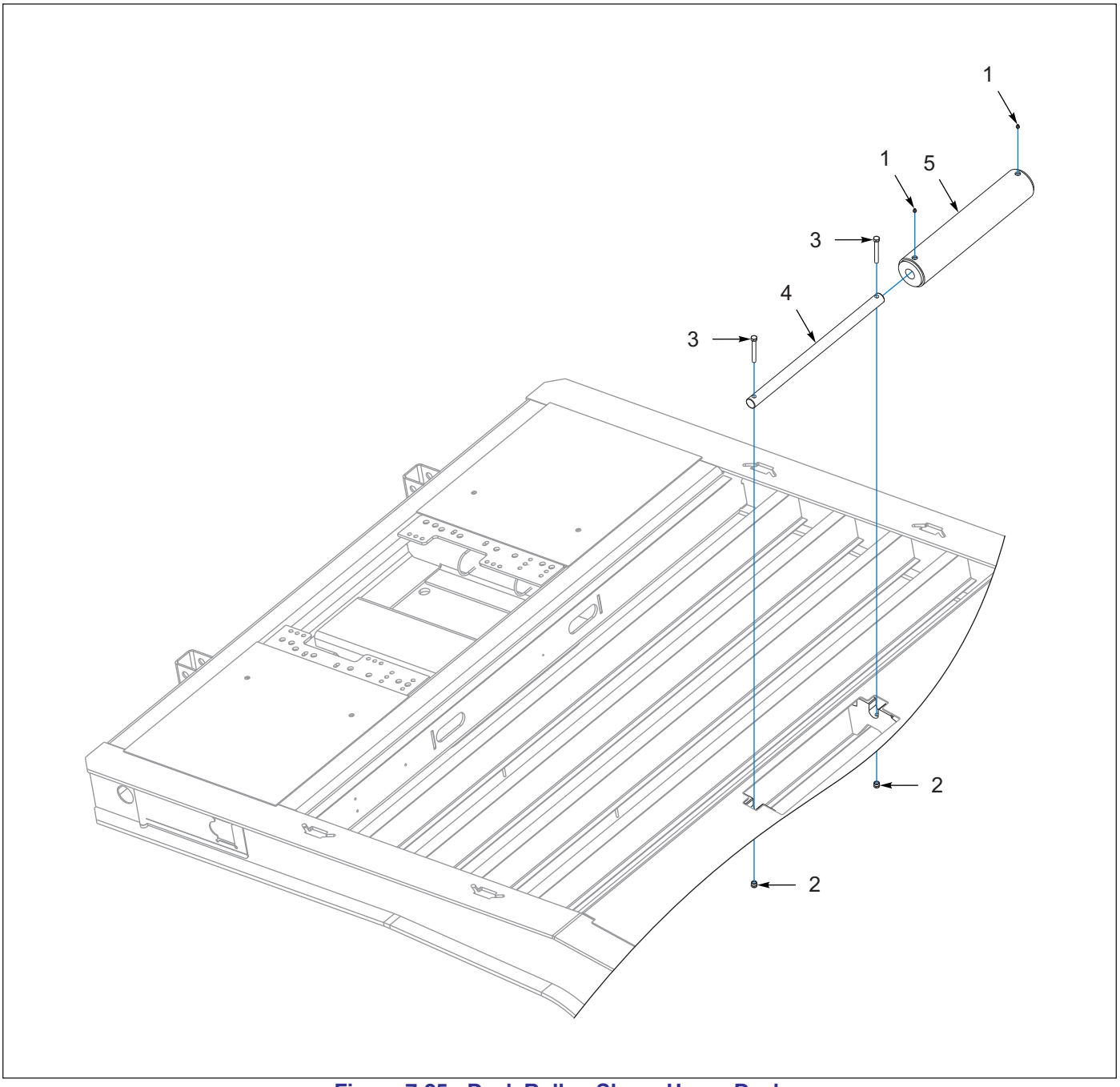
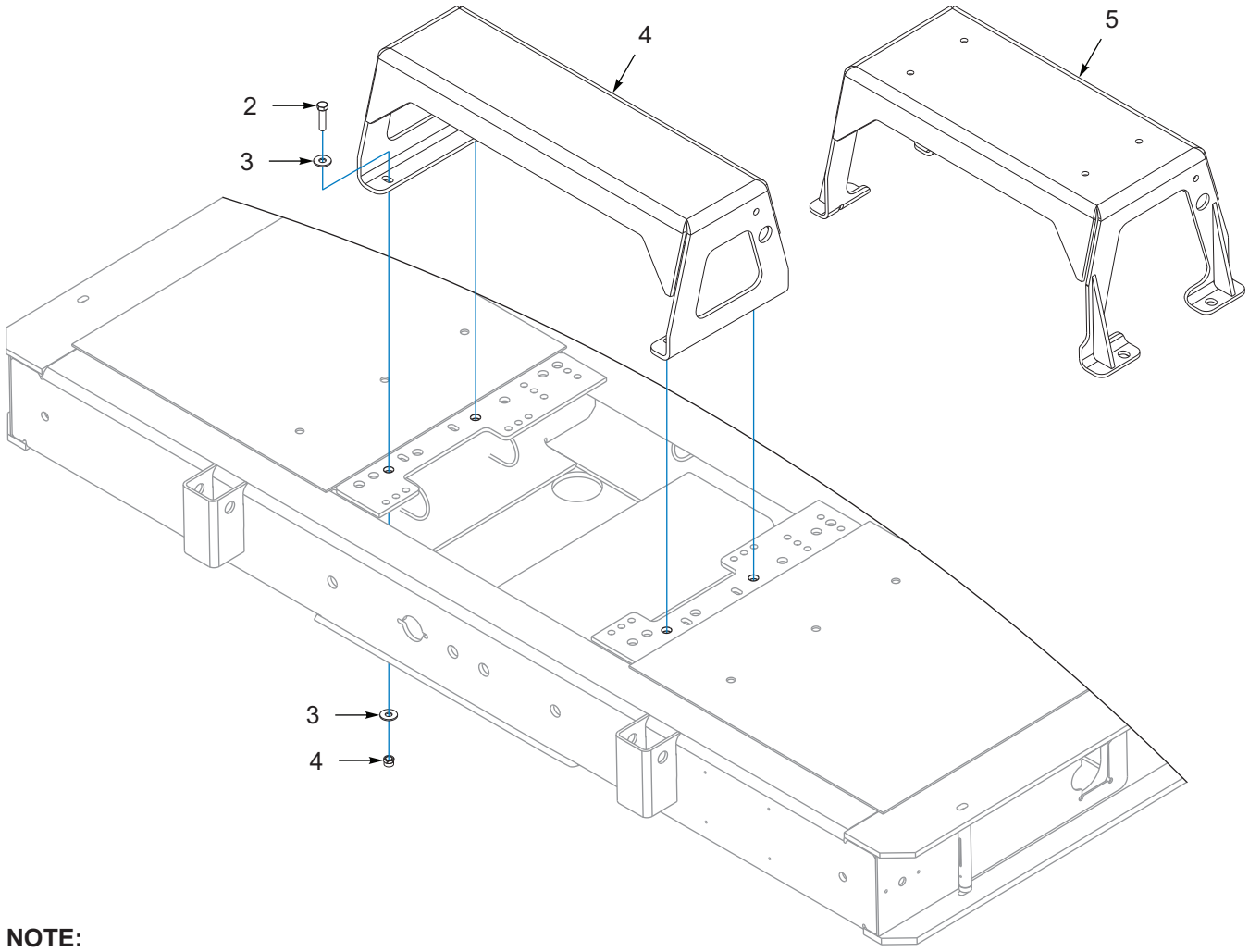


Figure 7-25: Deck Roller, Slope, Upper Deck

Deck Roller, Slope, Upper Deck

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 **(27-11/16 INCH)**	1
5	3-645-010059	ROLLER WELDMENT, CABLE-UPPER DECK **(24 INCH)**	1

Guard, Winch, WO/ Cable Pivot Guide



NOTE:
WILL NOT WORK WITH WINCHES FITTED WITH CABLE PIVOT GUIDES.

Figure 7-26: Guard, Winch, WO/ Cable Pivot Guide

Guard, Winch, WO/ Cable Pivot Guide

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

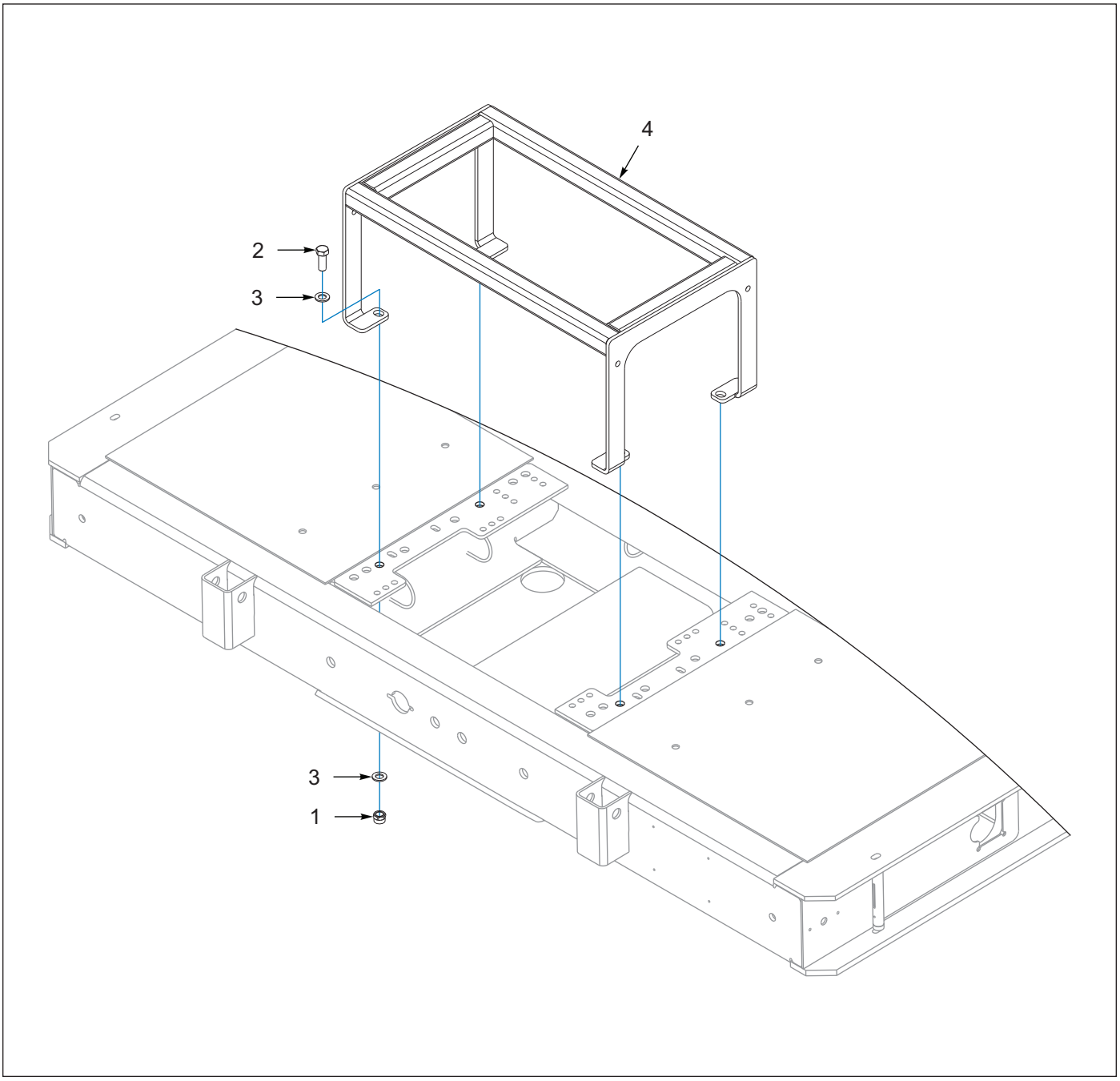


Figure 7-27: Guard, Winch, W/ Cable Pivot Guide

Guard, Winch, W/ Cable Pivot Guide

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

Tie Down, D-Ring, Bolt-On, Winch

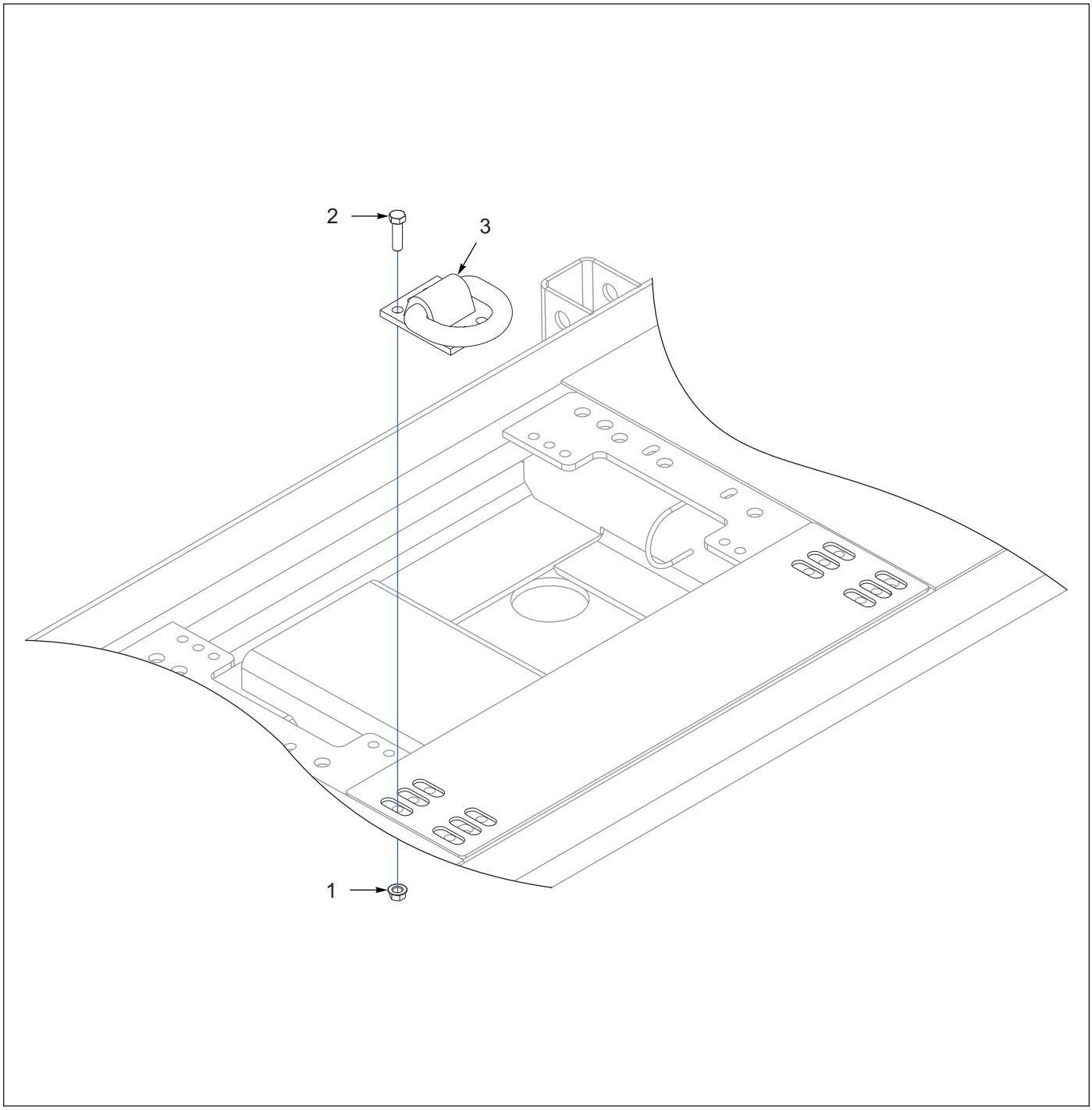


Figure 7-28: Tie Down, D-Ring, Bolt-On, Winch

Tie Down, D-Ring, Bolt-On, Winch

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

Trim Plate, Winch, Braden 12K / 20K, Warn 20K / 30K

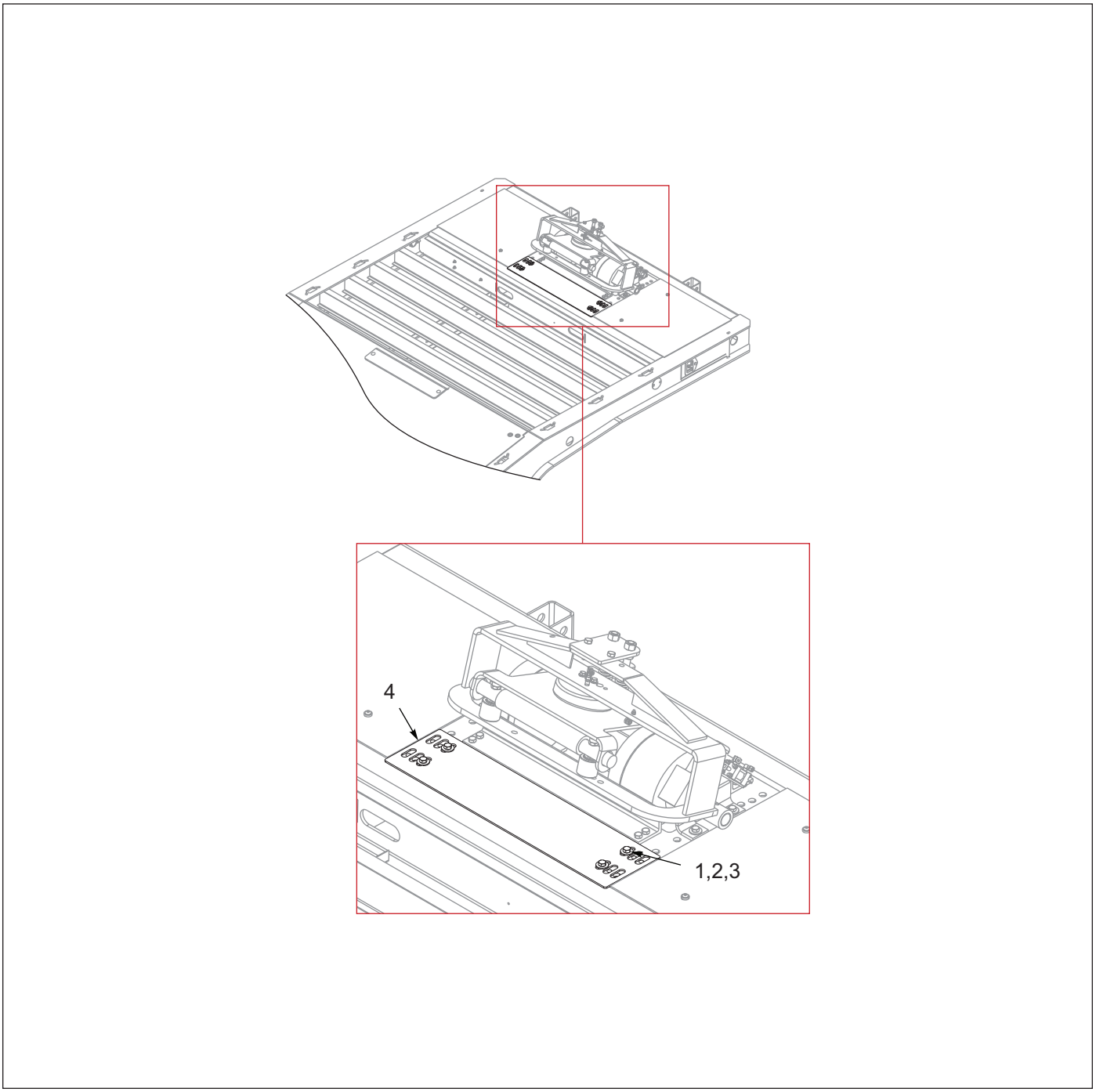


Figure 7-29: Trim Plate, Winch, Braden 12K / 20K, Warn 20K / 30K

Trim Plate, Winch, Braden 12K / 20K, Warn 20K / 30K

ITEM	PART NUMBER	DESCRIPTION	QTY.
	166767	WINCH, TRIM PLATE, INSTALL	- -
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	4
2	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
4	204160	PLATE, WINCH TRIM REAR WINCH	1

Table provided for general use.

NOTES:

System, Air

Trailer, Service & Emergency

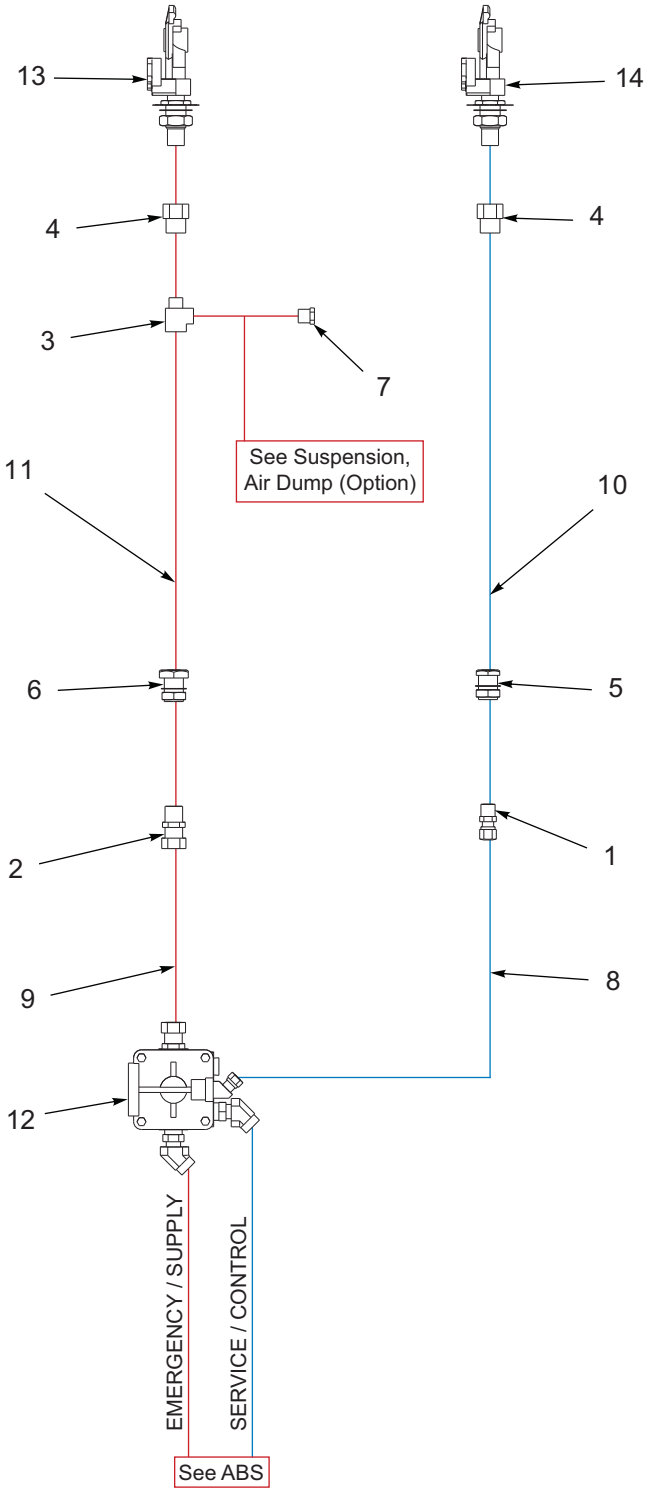


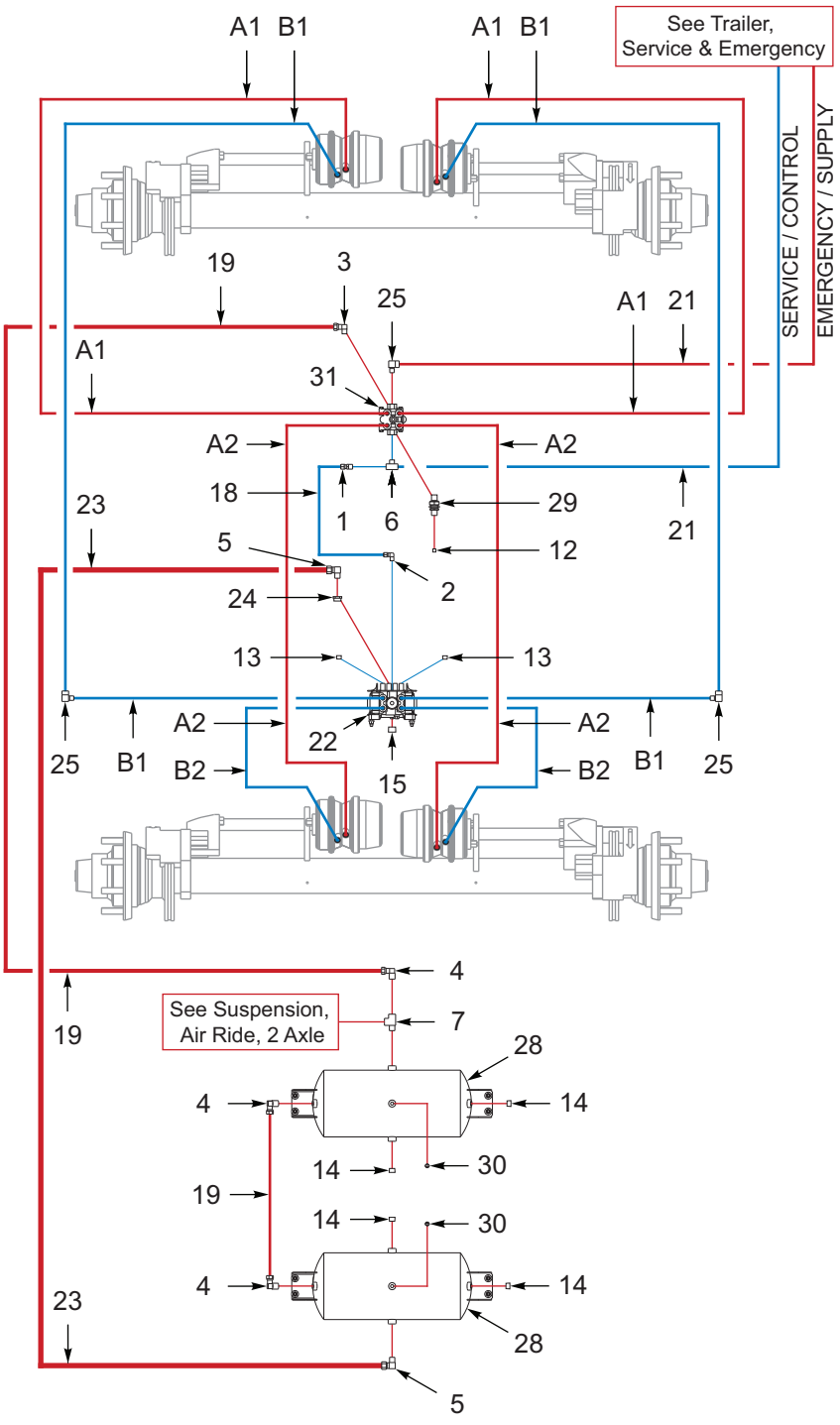
Figure 8-1: Trailer, Service & Emergency

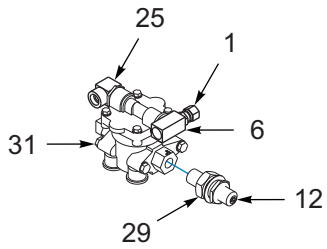
Trailer, Service & Emergency

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212396	HYD ELE AIR 440B/455B STD **(STD DUTY)**	- -
	212412	HYD ELE AIR 440B/455B HD **(HD DUTY)**	- -
1	1-297-010007-12	FITTING, AIR 3/8 TUBE TO 3/8 NPT	1
2	1-297-010007-16	FITTING, AIR 1/2 TUBE X 1/2 NPT	1
3	1-297-010018-03	FITTING, BRS PIPE, ST TEE 3/8	1
4	1-297-010021-05	FITTING, BRS PIPE, CPLG 1/2 X 3/8	2
5	1-297-010022-03	FITTING, AIR ANCHR CPLG, 3/8 NPT	1
6	1-297-010022-04	FITTING, AIR ANCHR CPLG, 1/2 NPT	1
7	1-297-010033-03	FITTING, BRASS PLUG, HEX 3/8 NPT	1
8	1-833-010002	TUBING NYLON, 3/8 OD **(BLACK - BY THE FOOT)** **(BEFORE 11/10/2023)**	18
8	184442	TUBING 3/8 BLUE **(BY THE FOOT)** **(AFTER 11/10/2023)**	18
9	1-833-010003	TUBING NYLON, 1/2 OD **(BLACK - BY THE FOOT)** **(BEFORE 11/10/2023)**	18
9	236560	TUBING AIR 1/2 RED **(BY THE FOOT)** **(AFTER 11/10/2023)**	18
10	100949	HOSE, AIR 3/8 X 222, WITH 3/8 ENDS **(STD DUTY)**	1
10	109209	HOSE, AIR 3/8X244 W/ 3/8 ENDS **(HD DUTY)**	1
11	122557	HOSE, AIR 1/2 X 240,.38-.5 NPT **(STD DUTY)**	1
11	149051	HOSE, AIR 1/2X264, .38-.5 NPT **(HD DUTY)**	1
12	141607	VALVE ASSY, AIR BOOSTER **(ASSEMBLY - SEE PAGE 8-115)**	1
13	108801	GLAD HAND, RED, AIR **(INCLUDES 209133 SEAL)** **(COMPONENTS - SEE PAGE 11-19)**	1
14	108802	GLAD HAND, BLUE, AIR **(INCLUDES 209133 SEAL)** **(COMPONENTS - SEE PAGE 11-19)**	1

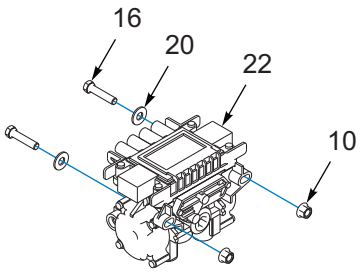
ABS, 2 Axle, Disc, Wabco (Option)

PORT	SUSP 1-3, 6-8 ITEM#	SUSP 4-5 ITEM#
A1	26	26
B1	27	9
A2	8	8
B2	27	26

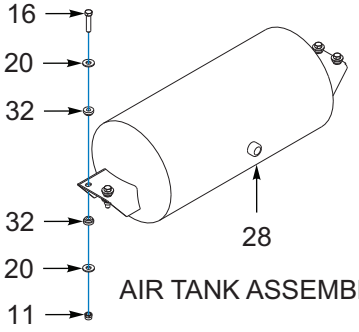




4 PORT VALVE ASSEMBLY



ABS VALVE ASSEMBLY



AIR TANK ASSEMBLY

NOT SHOWN:
17 - TIE, STRAP

Figure 8-2: ABS, 2 Axle, Disc, Wabco (Option)

ABS, 2 Axle, Disc, Wabco (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	218109	SUSP 440B 102 SB DSC **(SUSP 1 -102 SB DISC)**	- -
	218115	SUSP 440 102CA SB DSC LED **(SUSP 2 - 102 SB DISC CA)**	- -
	220634	SUSP 440B 41 102 BB DSC **(SUSP 3 - 102 BB DISC, 41FT)**	- -
	220631	SUSP 440B 102 BB DSC **(SUSP 4 - 102 BB DISC)**	- -
	218117	SUSP 440B-CA 102 BB DSC **(SUSP 5 - 102 BB DISC CA)**	- -
	218111	SUSP 440B 108 SB DSC **(SUSP 6 - 108 SB DISC RTAC)**	- -
	220637	SUSP 440B-CA 108 SB DSC **(SUSP 7 - 108 SB DISC CA)**	- -
	218113	SUSP 440B 108 BB DSC **(SUSP 8 - 108 BB DISC)**	- -
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	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	1
4	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	3
5	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
6	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
7	1-297-010018-04	FITTING 1/2 BRASS PIPE ST TEE	1
8	1-384-010038056	HOSE ASM AIR 3/8X56,W/3/8 END	2
9	1-384-010038076	HOSE ASM AIR 3/8X76,W/3/8 END **(SUSP 4-5)**	2
10	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	2
11	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	8
12	1-560-010002-02	PLUG, PIPE, 1/4NPT	1
13	1-560-010002-03	PLUG, PIPE, 3/8NPTF	2
14	1-560-010002-04	PLUG, PIPE, 1/2NPT	4
15	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
16	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	10
17	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0	10
18	1-833-010002	TUBING NYLON 3/8 OD **(BLACK - BY THE FOOT)**	7
19	1-833-010003	TUBING NYLON 1/2 OD **(BLACK - BY THE FOOT)**	15
20	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	18
21	100949	HOSE ASM AIR 3/8X222 W/3/8 END	2
22	114584	OBSOLETE REPL BY 114586 **(ELECTRICAL - SEE PAGE 9-9)** **(BEFORE 12/08/2021 - AFTER OBSOLETE USE 114586)**	1
22	114586	ABS KIT WABCO 4S/2MTRI/SPREAD **(ELECTRICAL - SEE PAGE 9-9)** **(AFTER 12/08/2021 - REPLACED 114584)**	1
23	117304	TUBING NYLON 5/8 **(BLACK - BY THE FOOT)**	7
24	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
25	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT **(SUSP 1-2, 6-7 REQ 5 EACH)** **(SUSP 4-5 REQ 3 EACH) (SUSP 3, 8 REQ 1 EACH)**	- -
26	3-384-010020	HOSE AIR 3/8X32 .38NPT ENDS **(SUSP 1-3, 6-8 REQ 2 EACH)** **(SUSP 4-5 REQ 4 EACH)**	- -
27	3-384-010031	HOSE, AIR 3/8X42, .38 NPT END **(SUSP 1-3, 6-8)**	4
28	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
29	55B61	FRAME UNION	1
30	56D4	COCK,DRAIN AIR TANK VEL036019	2
31	758-181	VALVE TASK 4 PORT	1
32	805-2	BUSHINGS, STEP	16

ABS, 2 Axle, Disc, Haldex (Option)

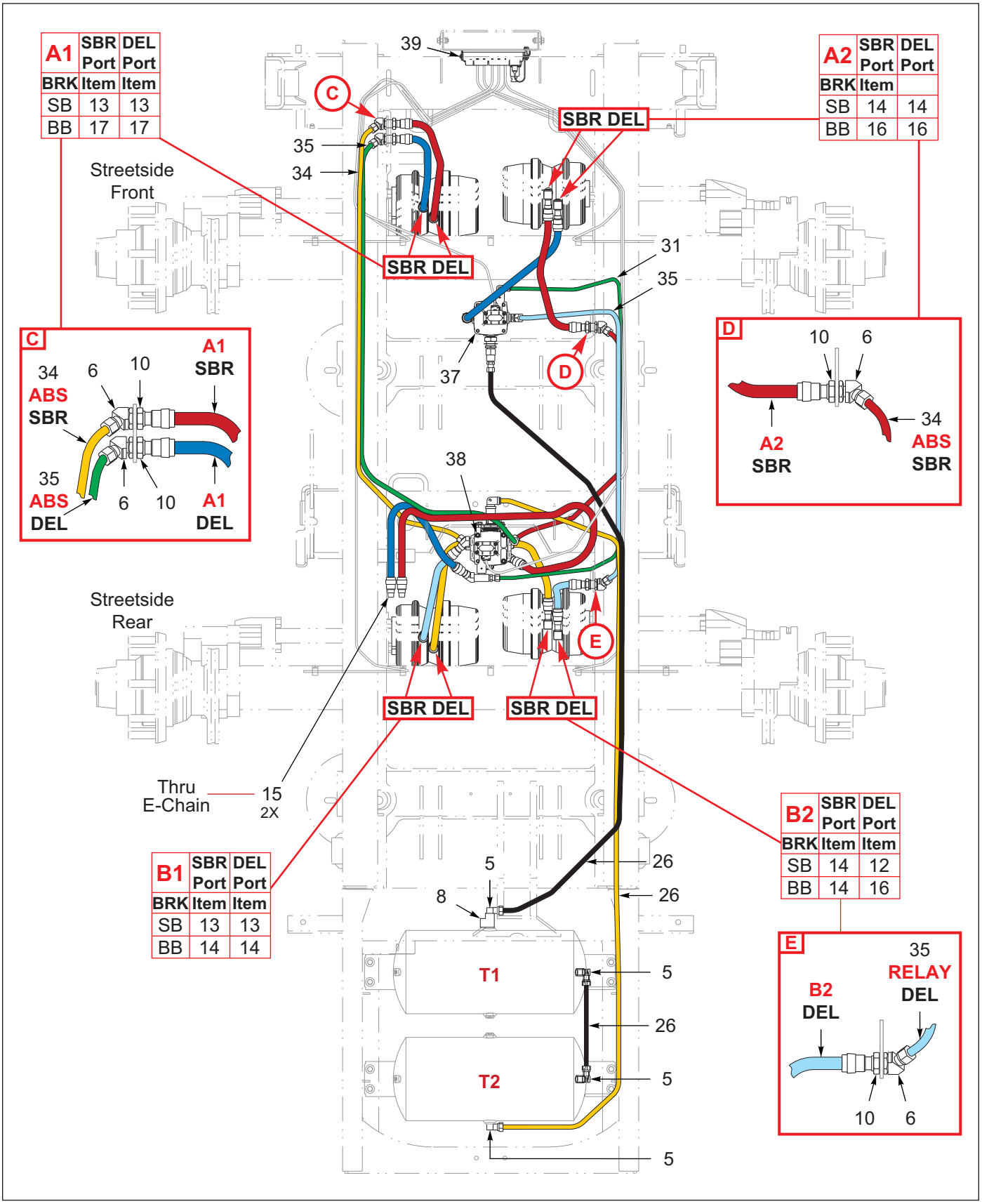


Figure 8-3: ABS, 2 Axle, Disc, Haldex (Option) (1 of 2)

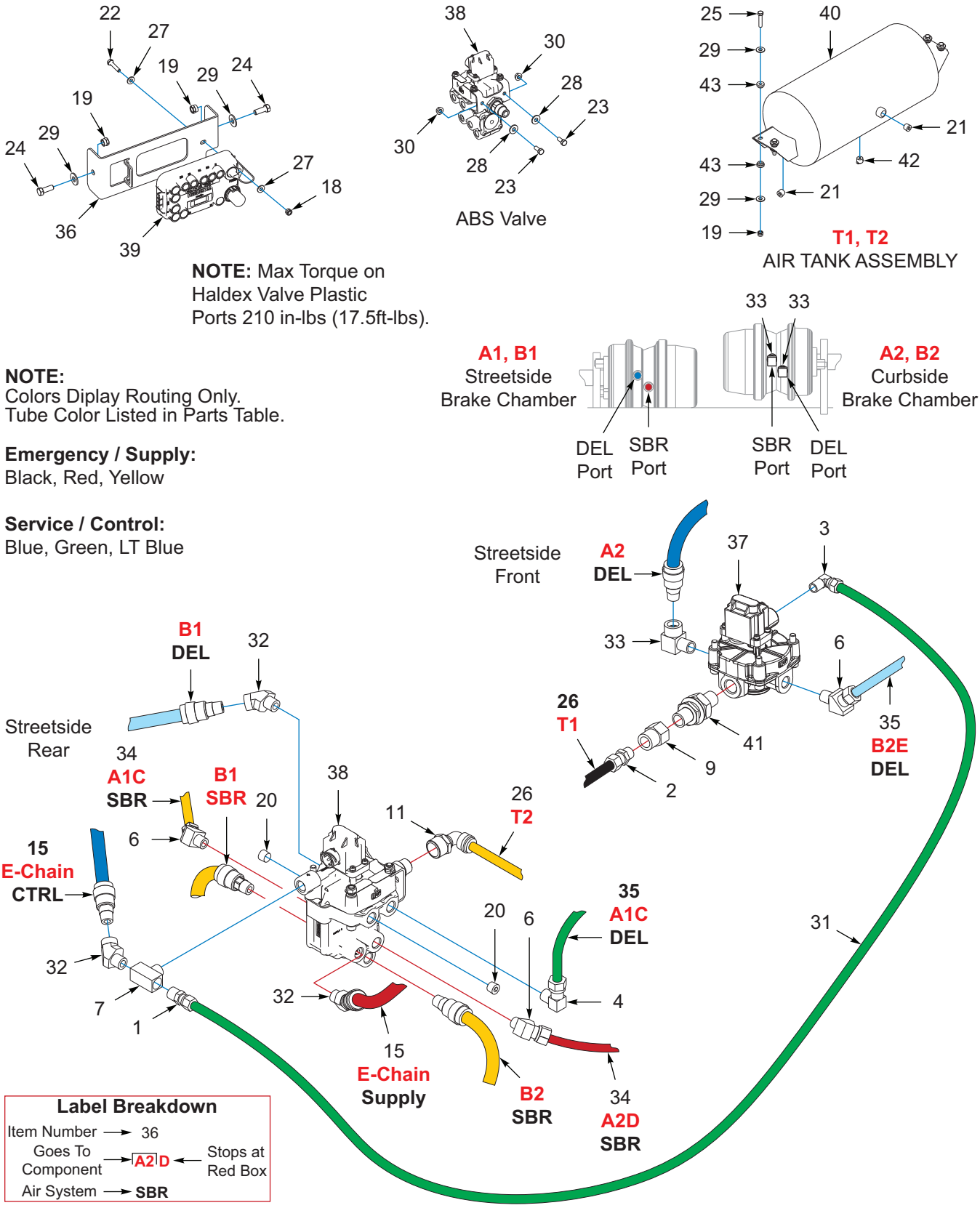


Figure 8-4: ABS, 2 Axle, Disc, Haldex (Option) (2 of 2)

ABS, 2 Axle, Disc, Haldex (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	249039	SUSP 440B 102 SB DSC HLDX **(102 / 108, STD / CA DISC BRAKE MODELS)**	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	1
3	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
4	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	1
5	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	4
6	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P	7
7	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
8	1-297-010018-04	FITTING 1/2 BRASS PIPE ST TEE	1
9	1-297-010021-05	FITTING,BRS PIPE,CPLG 1/2X3/8	1
10	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	4
11	1-297-010032-08	FITTING, AIR 90 1/2FP TO 1/2T	1
12	1-384-010038018	HOSE ASM AIR 3/8X18,W/3/8 END **(102 SB, 108 SB)**	1
13	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END **(102 SB, 108 SB)**	4
14	240150	HOSE ASM AIR 3/8X28, W/3/8 END **(SB, BB)**	3
15	100949	HOSE ASM AIR 3/8X222 W/3/8 END	2
16	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END **(102 BB, 108 BB)**	3
17	3-384-010020	HOSE AIR 3/8X32 38NPT ENDS **(102 BB, 108 BB)**	2
18	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	1
19	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(4 PER AIR TANK)**	10
20	1-560-010002-03	PLUG, PIPE, 3/8NPTF	2
21	1-560-010002-04	PLUG, PIPE, 1/2NPT	4
22	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	1
23	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	2
24	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	2
25	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5 **(PER AIR TANK)**	4
26	1-833-010003	TUBING NYLON 1/2 OD **(BLACK, BY THE FOOT)**	20
27	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2
28	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
29	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(8 PER TANK)**	10
30	126561	NUT,FLG HD,SERRATED,5/16-18ZP	2
31	184442	TUBING 3/8 BLUE **(BLUE, BY THE FOOT)**	8
32	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	3
33	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	5
34	236560	TUBING AIR 1/2 RED **(RED, BY THE FOOT)**	10
35	240051	TUBING AIR 1/2 BLUE **(BLUE, BY THE FOOT)**	16
36	245987	BRKT HALDEX ECU MOUNT 440	1
37	232779	RELAY VALVE ABS 12V HALDEX **(ELECTRICAL SYSTEM -SEE PAGE 9-13)**	1
38	239691	ABS VALVE FFABS 2 SER/4SPG BK **(ELECTRICAL SYSTEM -SEE PAGE 9-13)**	1
39	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED)** **(ELECTRICAL SYSTEM - SEE PAGE 9-13)**	1
40	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
41	55B61	FRAME UNION	1
42	56D4	COCK,DRAIN AIR TANK VEL036019 **(PER AIR TANK)**	1
43	805-2	BUSHINGS, STEP **(PER AIR TANK)**	8

Table provided for general use.

NOTES:

ABS, 2 Axle, Drum, Wabco

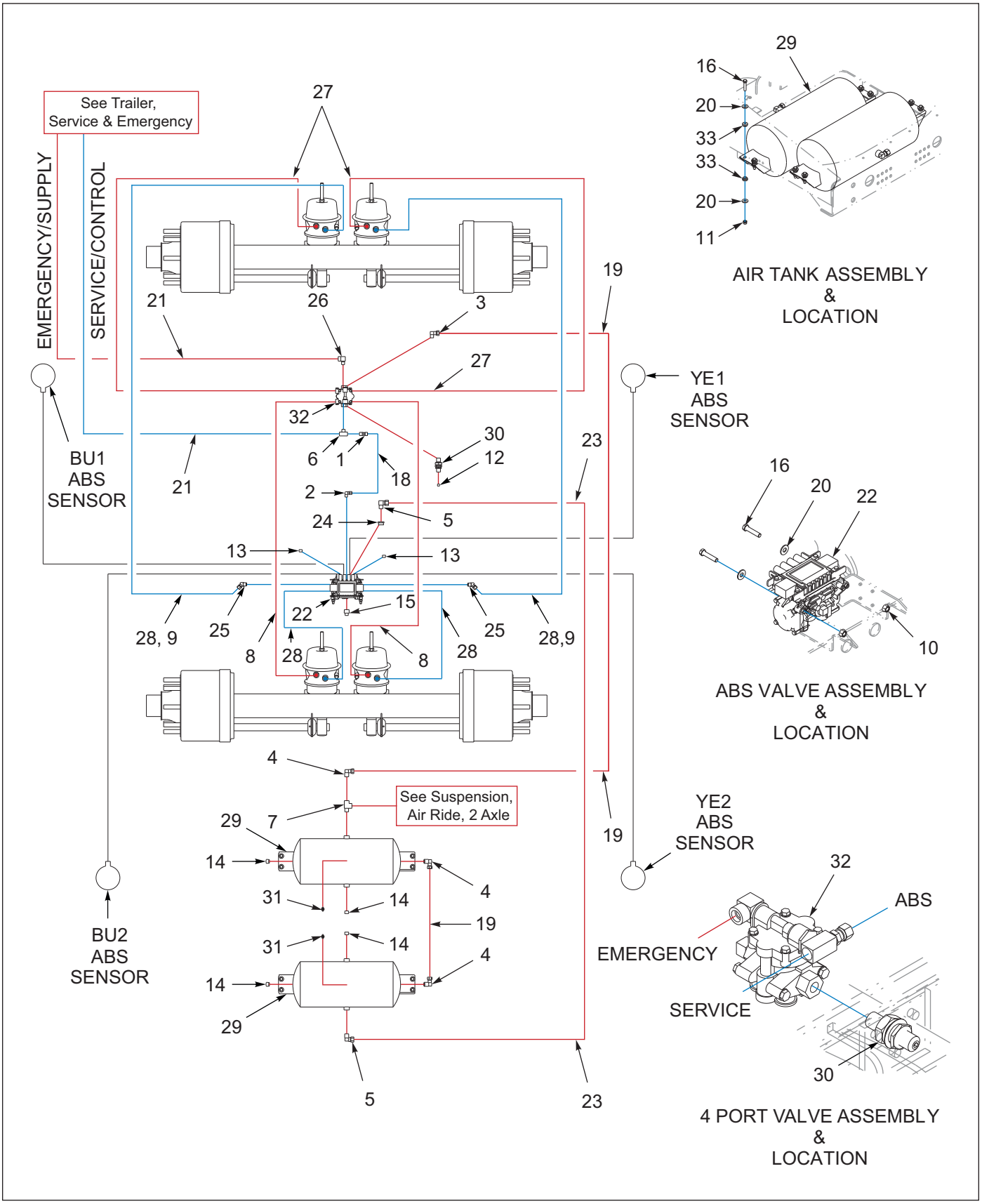


Figure 8-5: ABS, 2 Axle, Drum, Wabco

ABS, 2 Axle, Drum, Wabco

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214413	SUSP 440B 102 2512-70.5 GROTE **(SUSP 1 - 102 SB DRUM)**	- -
	214422	SUSP 440B CA 102 2512-70.5 **(SUSP 2 - 102 SB DRUM CA)**	- -
	214428	SUSP,440B-41 2516-69 GROTE **(SUSP 3 - 102 BB DRUM. 41FT)**	- -
	214426	SUSP,440B-102 2516 GROTE **(SUSP 4 - 102 BB DRUM)**	- -
	214424	SUSP 440B-CA-102 BB GROTE **(SUSP 5 - 102 BB DRUM CA)**	- -
	214415	SUSP 440B 108 2512-77 RTAC **(SUSP 6 - 108 SB DRUM RTAC)**	- -
	217918	SUSP 440B-50CA 108 **(SUSP 7 - 108 SB DRUM CA)**	- -
	214417	SUSP 440B108 2516-75 **(SUSP 8 - 108 BB DRUM)**	- -
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	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	1
4	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	3
5	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
6	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
7	1-297-010018-04	FITTING 1/2 BRASS PIPE ST TEE	1
8	1-384-010038056	HOSE ASM AIR 3/8X56,W/3/8 END	2
9	1-384-010038084	HOSE ASM AIR 3/8X84,W/3/8 END **(SUSP 3-5)**	2
10	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	2
11	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	8
12	1-560-010002-02	PLUG, PIPE, 1/4NPT	1
13	1-560-010002-03	PLUG, PIPE, 3/8NPTF	2
14	1-560-010002-04	PLUG, PIPE, 1/2NPT	4
15	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
16	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	10
17	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0	10
18	1-833-010002	TUBING NYLON 3/8 OD **(BLACK - BY THE FOOT)** **(BEFORE 06/14/2023)**	7
18	184442	TUBING 3/8 BLUE **(AFTER 06/14/2023)**	7
19	1-833-010003	TUBING NYLON 1/2 OD **(BLACK - BY THE FOOT)**	15
20	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	18
21	100949	HOSE ASM AIR 3/8X222 W/3/8 END **(SUSP 1-2, 4-8)**	2
21	103698	HOSE ASM AIR 3/8X182,W/3/8 END **(SUSP 3)**	2
22	114584	OBSOLETE REPL BY 114586 **(ELECTRICAL - SEE PAGE 9-9)** **(BEFORE 12/08/2021 - AFTER OBSOLETE USE 114586)**	1
22	114586	ABS KIT WABCO 4S/2MTRI/SPREAD **(ELECTRICAL - SEE PAGE 9-9)** **(AFTER 12/08/2021 - REPLACED 114584)**	1
23	117304	TUBING NYLON 5/8 **(BLACK - BY THE FOOT)**	7
24	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
25	2049-6-6S	45 SWIVEL 3/8 MALE 3/8 FEMALE **(SUSP 3-5 ONLY - ADDED AFTER 12/29/2020)** **(SUSP 1-2, 6-8 - HOSES CONNECTS TO ABS VALVE)**	2
26	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1
27	3-384-010020	HOSE AIR 3/8X32 .38NPT ENDS	2
28	3-384-010031	HOSE, AIR 3/8X42, .38 NPT END **(SUSP 1-2, 6-8, REQ 4 EACH) (SUSP 3-5, REG 2 EACH)**	- -
29	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
30	55B61	FRAME UNION	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
31	56D4	COCK,DRAIN AIR TANK VEL036019	2
32	758-181	VALVE TASK 4 PORT	1
33	805-2	BUSHINGS, STEP	16

Table provided for general use.

NOTES:

ABS, 2 Axle, Drum, Haldex

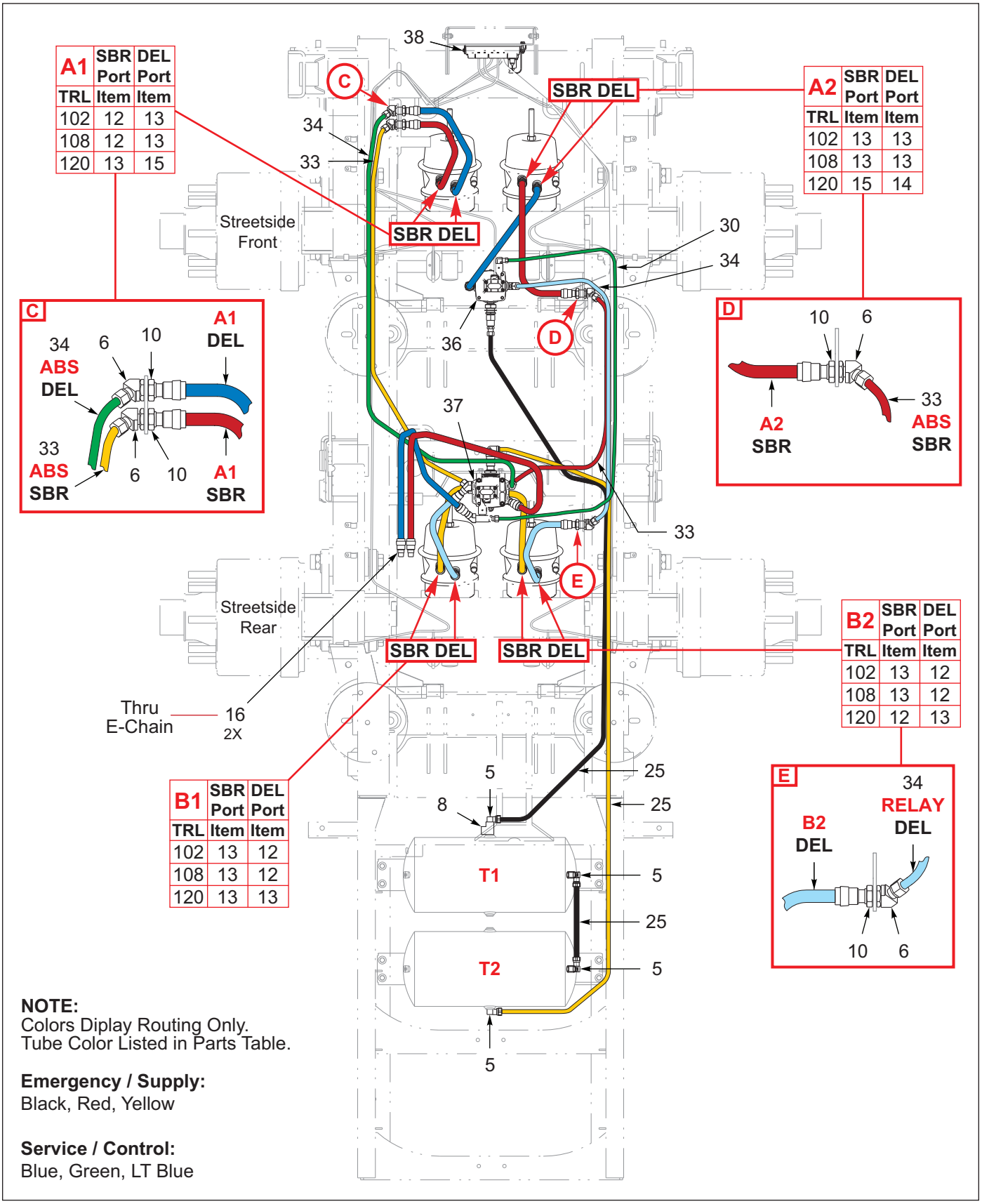


Figure 8-6: ABS, 2 Axle, Drum, Haldex (1 of 2)

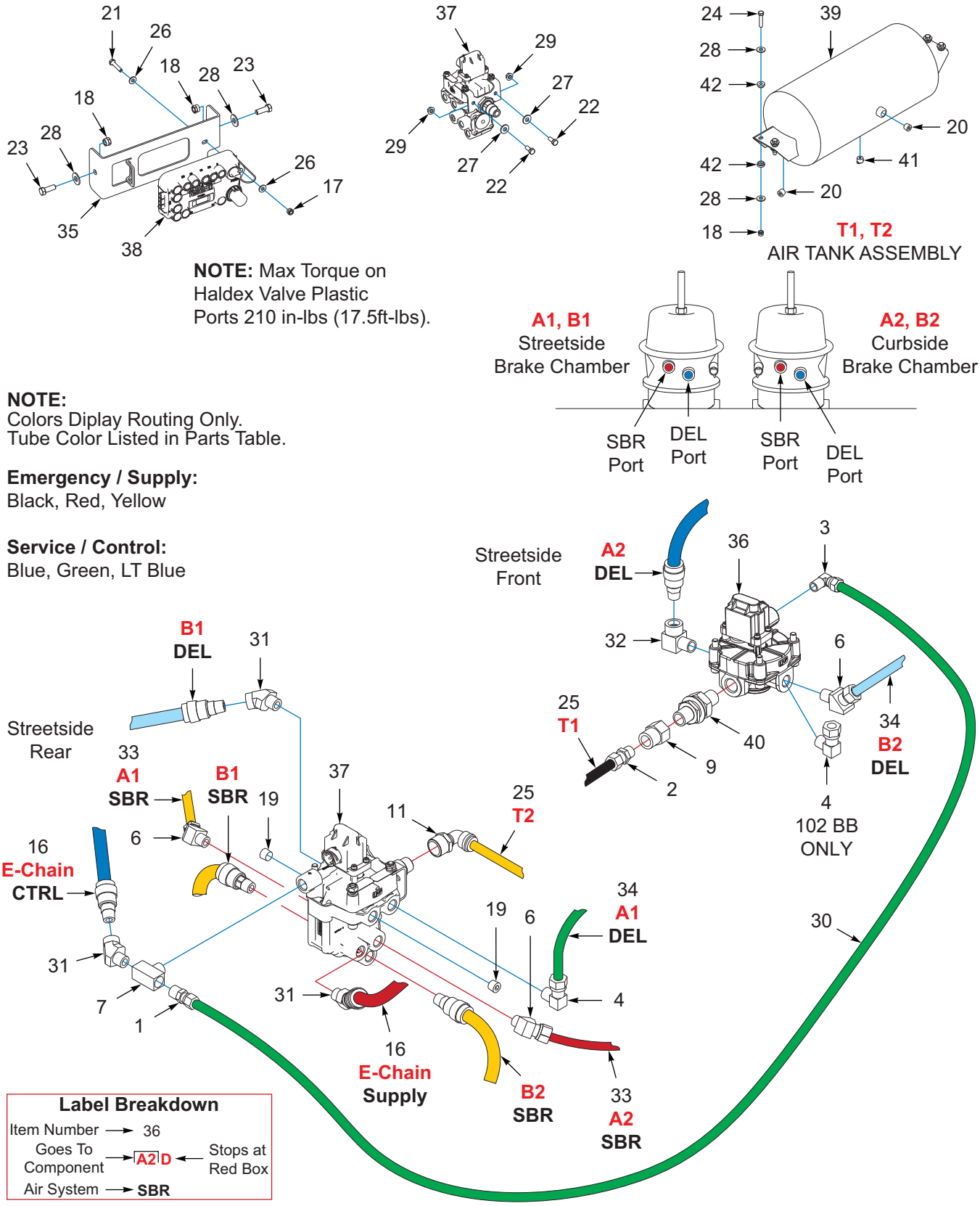


Figure 8-7: ABS, 2 Axle, Drum, Haldex (2 of 2)

ABS, 2 Axle, Drum, Haldex

ITEM	PART NUMBER	DESCRIPTION	QTY.
	249027	SUSP 440B 102 SB HLDX **(102 / 108, STD / CA DRUM BRAKE MODELS)**	- -
	249036	SUSP 440B 120 SB HLDX **(120 DRUM BRAKE MODELS)**	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	1
3	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
4	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT **(102 BB, 120SB, 120BB, REQ 1) (102 SB, 108SB, 108BB, REQ 2)**	- -
5	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	4
6	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P **(102 BB, 120SB, 120BB, REQ 7) (102 SB, 108SB, 108BB, REQ 6)**	- -
7	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
8	1-297-010018-04	FITTING 1/2 BRASS PIPE ST TEE	1
9	1-297-010021-05	FITTING,BRS PIPE,CPLG 1/2X3/8	1
10	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	4
11	1-297-010032-08	FITTING, AIR 90 1/2FP TO 1/2T	1
12	1-384-010038018	HOSE ASM AIR 3/8X18,W/3/8 END **(102, 108, REQ 3) (120, REQ 1)**	- -
13	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END **(102, 108, REQ 5) (120, REQ 4)**	- -
14	1-384-010038030	HOSE ASM AIR 3/8X30,W/3/8 END **(120 ONLY)**	1
15	240150	HOSE ASM AIR 3/8X28, W/3/8 END **(120 ONLY)**	2
16	100949	HOSE ASM AIR 3/8X222 W/3/8 END **(ALL EXCEPT 41' 102 BB)**	2
16	103698	HOSE ASM AIR 3/8X182,W/3/8 END **(41' 102 BB ONLY)**	2
17	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	1
18	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(4 PER AIR TANK)**	10
19	1-560-010002-03	PLUG, PIPE, 3/8NPTF	2
20	1-560-010002-04	PLUG, PIPE, 1/2NPT **(PER AIR TANK)**	2
21	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	1
22	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	2
23	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	2
24	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5 **(PER AIR TANK)**	4
25	1-833-010003	TUBING NYLON 1/2 OD **(BLACK, BY THE FOOT) (102, 108, REQ 20) (120, REQ 22)**	20
26	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2
27	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
28	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(8 PER AIR TANK)**	18
29	126561	NUT,FLG HD,SERRATED,5/16-18ZP	2
30	184442	TUBING 3/8 BLUE **(BY THE FOOT)**	8
31	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	3
32	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1
33	236560	TUBING AIR 1/2 RED **(RED, BY THE FOOT)**	12
34	240051	TUBING AIR 1/2 BLUE **(BLUE, BY THE FOOT)**	16
35	245987	BRKT HALDEX ECU MOUNT 440	1
36	232779	RELAY VALVE ABS 12V HALDEX **(ELECTRICAL SYSTEM - SEE PAGE 9-13)**	1
37	239691	ABS VALVE FFABS 2 SER/4SPG BK **(ELECTRICAL SYSTEM - SEE PAGE 9-13)**	1
38	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED) (ELECTRICAL SYSTEM - SEE PAGE 9-13)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
39	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
40	55B61	FRAME UNION	1
41	56D4	COCK,DRAIN AIR TANK VEL036019 **(PER AIR TANK)**	1
42	805-2	BUSHINGS, STEP **(PER AIR TANK)**	8

ABS, 2 Axle, Drum, Aqua (Option)

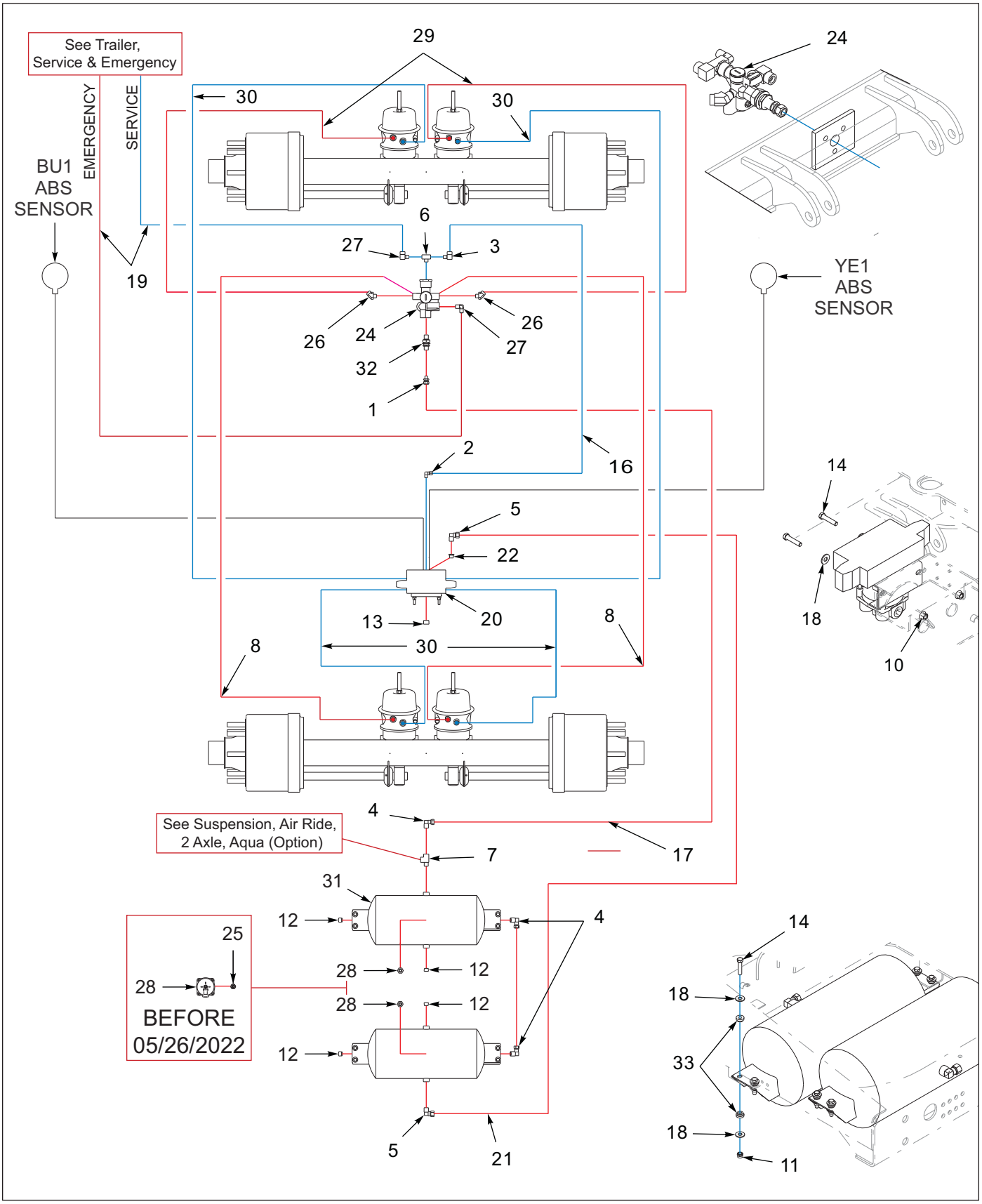


Figure 8-8: ABS, 2 Axle, Drum, Aqua (Option)

ABS, 2 Axle, Drum, Aqua (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215487	SUSP 440B-102 SB GRT AQUA PKG	- -
1	1-297-010007-14	FITTING, AIR, 1/2 TUBE X 1/4 NPT	1
2	1-297-010008-18	FITTING, AIR 90 3/8TUBEX1/4NPT	1
3	1-297-010008-20	FITTING, AIR, 90 3/8 TUBE X 3/8 NPT	1
4	1-297-010008-24	FITTING, AIR 90 1/2 TUBE TO 1/2 NPT	3
5	1-297-010008-26	FITTING, AIR 90 5/8 TUBE TO 1/2 NPT	2
6	1-297-010017-03	FITTING, AIR, PIPE M/BR TEE 3/8	1
7	1-297-010018-04	FITTING 1/2, BRASS PIPE, ST TEE	1
8	1-384-010038056	HOSE, AIR 56 IN. 3/8 W 3/8 ENDS	2
9	1-394-010001	HOSE ABRASION SLEEVE X 2 **(NOT SHOWN)**	2
10	1-510-010001	NUT, 3/8-16 UNC FLANGE LOCK	2
11	1-512-010005-05	NUT, HEX, SLFLKG, 3/8-16 UNC, GRB	8
12	1-560-010002-04	PLUG, PIPE, 1/2NPT	4
13	1-560-010002-05	PLUG, PIPE, 3/4-14 NPTF	1
14	1-654-010051-08	SCREW, HEX, 3/8-16UNCX1-3/4 GR5	10
15	1-796-010003-02	TIE, STRAP, PLASTIC, .18X40 IN. **(NOT SHOWN)**	10
16	1-833-010002	TUBING, NYLON 3/8 OD	7
17	1-833-010003	TUBING, NYLON 1/2 OD	15
18	1-861-010032-11	WASHER, FLAT, ZP/CD, 3/8W	18
19	100949	HOSE, AIR 3/8X222, W/3/8 ENDS	2
20	114585	BRAKE KIT, ROCKWELL ABS, 2S/1M **(ELECTRICAL - SEE PAGE 9-11)**	1
21	117304	TUBING, NYLON 5/8 OD	7
22	118-2659-9	BUSHING, 1/2NPT X 3/4NPT STL	1
23	174143	KIT SNORKEL 2S/1M ABS VALVE	1
24	174241	VALVE, 4-PORT	1
25	2040-4-6S	REDUCER 1/4-18 TO 3/8-18 **(BEFORE 05/26/2022, REQ 2 EACH)**	- -
26	2088-6-6S	ADAPTER, 45, 3/8MPT X 3/8 FPT	2
27	2089-6-6S	ADAPTER, 90, 3/8MPT X 3/8 FPT	2
28	215498	AUTO RESERVOIR DRAIN VALVE **(BEFORE 05/26/2022, REQ 2 EACH)**	- -
28	757-363	VALVE CABLE PULL DRAIN **(AFTER 05/26/2022)**	2
29	3-384-010020	HOSE, AIR 3/8X32, .38 NPT ENDS	2
30	3-384-010031	HOSE, AIR 3/8X42, .38 NPT ENDS	4
31	3-780-010002	TANK, AIR 9.5X22.5, .5 NPT PORTS	2
32	55B61	FRAME UNION	1
33	805-2	BUSHING, STEP	16

ABS, 2 Axle Spread, Haldex (Option)

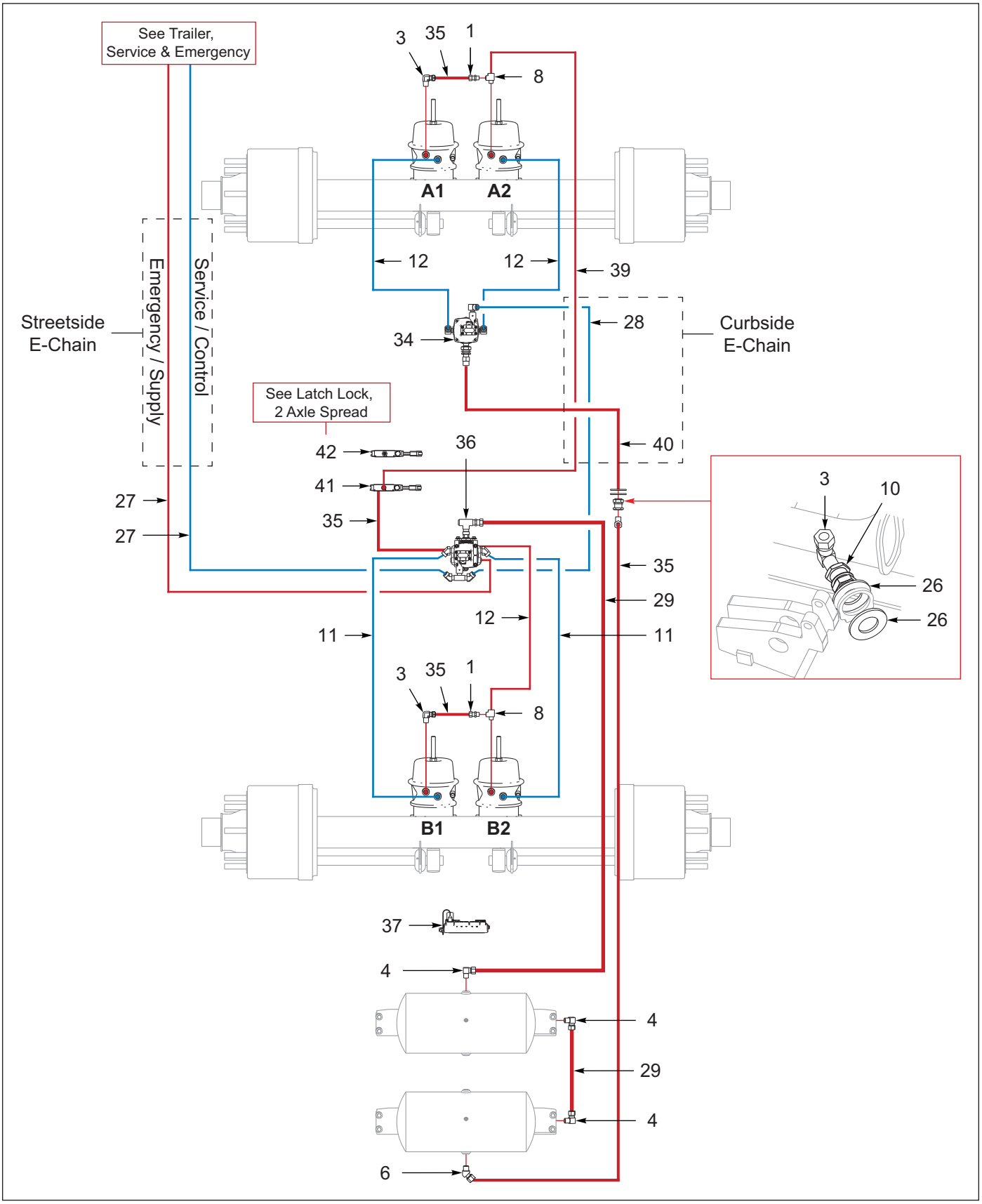


Figure 8-9: ABS, 2 Axle Spread, Haldex (Option) (1 of 2)

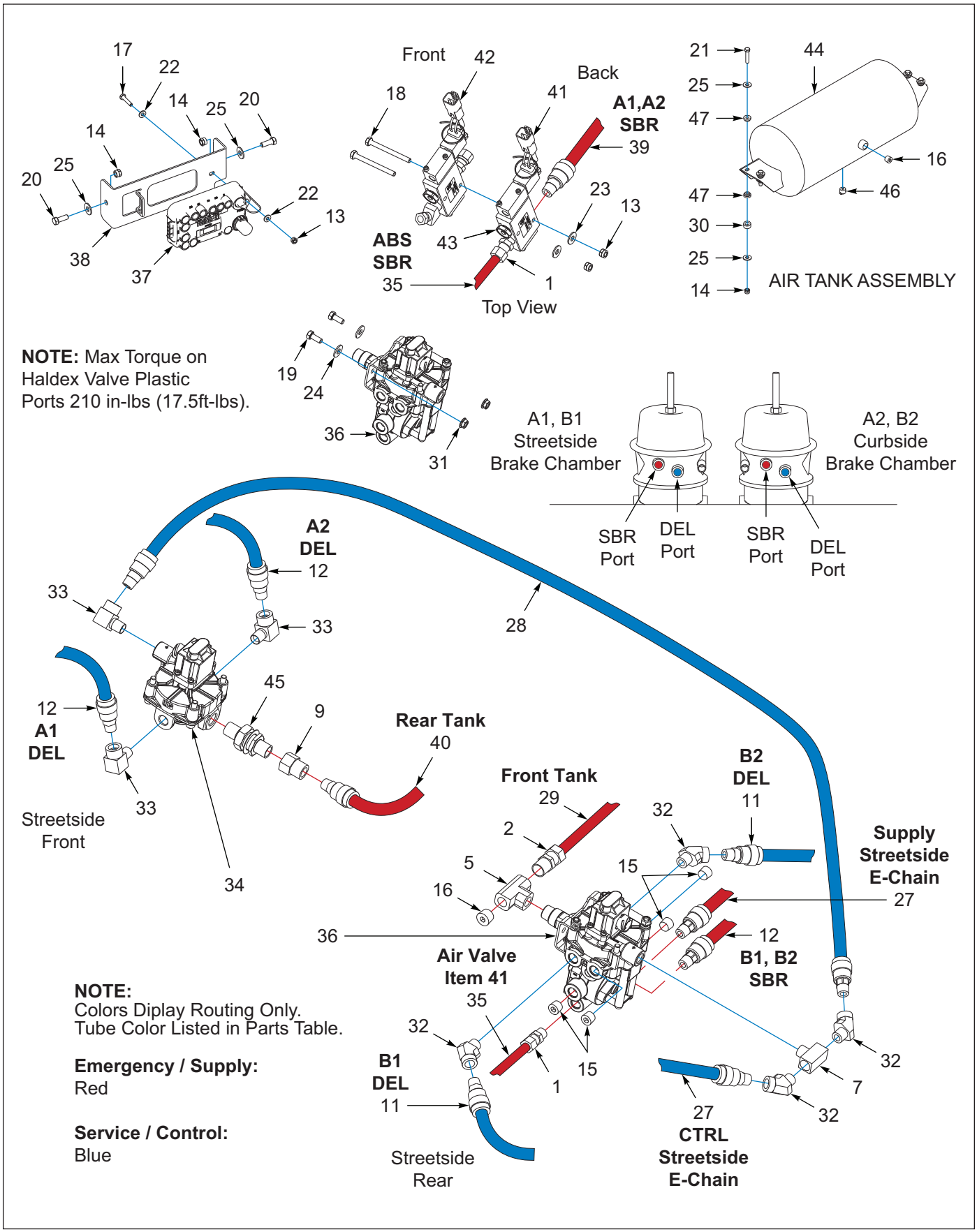


Figure 8-10: ABS, 2 Axle Spread, Haldex (Option) (2 of 2)

ABS, 2 Axle Spread, Haldex (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252523	SUSP 440 SLDR 50-121 HLDX **(DRUM)**	- -
	252553	SUSP 440 SLDR 50-121 DSC **(DISC)**	- -
1	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT **(INCLUDED WITH ITEM 41, 1 EACH)**	4
2	1-297-010007-18	FITTING AIR 5/8TUBE X1/2NPT	1
3	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	3
4	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	3
5	1-297-010009-04	FITTING,AIR, PIPE TEE 1/2	1
6	1-297-010013-18	FITTING, AIR 45 M/ELB5/8T-1/2P	1
7	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
8	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	2
9	1-297-010021-05	FITTING,BRS PIPE,CPLG 1/2X3/8	1
10	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	1
11	1-384-010038018	HOSE ASM AIR 3/8X18,W/3/8 END	2
12	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	3
13	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
14	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(4 PER AIR TANK)**	10
15	1-560-010002-03	PLUG, PIPE, 3/8NPTF	4
16	1-560-010002-04	PLUG, PIPE, 1/2NPT	3
17	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	1
18	1-654-010047-13	SCREW HX CP 1/4-20UNCX2-3/4G5	2
19	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	2
20	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	2
21	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5 **(PER AIR TANK)**	4
22	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2
23	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
24	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
25	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(8 PER AIR TANK)**	18
26	1-861-010032-24	WASHER FL 1IN NARROW ZP	2
27	100949	HOSE ASM AIR 3/8X222 W/3/8 END	2
28	112819	HOSE ASM AIR 3/8X156,W/3/8 END	1
29	117304	TUBING NYLON 5/8 **(BLACK, BY THE FOOT)**	8
30	124559	SPACER D/L MOUNT 425 **(PER AIR TANK)**	4
31	126561	NUT,FLG HD,SERRATED,5/16-18ZP	2
32	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	4
33	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	3
34	232779	RELAY VALVE ABS 12V HALDEX	1
35	236560	TUBING AIR 1/2 RED **(RED, BY THE FOOT)**	12
36	239691	ABS VALVE FFABS 2 SER/4SPG BK **(ELECTRICAL SYSTEM -SEE PAGE 9-15)**	1
37	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED)** **(ELECTRICAL SYSTEM - SEE PAGE 9-15)**	1
38	245987	BRKT HALDEX ECU MOUNT 440	1
39	248881	HOSE ASM AIR 3/8X166 W/3/8ENDS	1
40	251734	HOSE AIR 1/2X144 .38NPT ENDS	1
41	252544	VALVE ASSY, PNEUMATIC 3/2 NO **(INCLUDES ITEMS 1, 43)** **(FRONT BRAKE SOLENOID VALVE)** **(ELECTRICAL SYSTEM - SEE PAGE 9-21)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
42	252545	VALVE ASSY,PNEUMATIC 3/2 NC **(LOCK LATCH SOLENOID VALVE) (AIR SYSTEM - SEE PAGE 8-69) (ELECTRICAL SYSTEM - SEE PAGE 9-21)**	1
43	252578	EXHAUST PLUG 3/8NPT **(INCLUDED WITH ITEM 41, 1 EACH)**	1
44	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
45	55B61	FRAME UNION	1
46	56D4	COCK,DRAIN AIR TANK VEL036019 **(PER AIR TANK)**	1
47	805-2	BUSHINGS, STEP **(PER AIR TANK)**	8

ABS, 3 Axle, Disc, Haldex, 102 / 108 (Option) (After 12/01/2025)

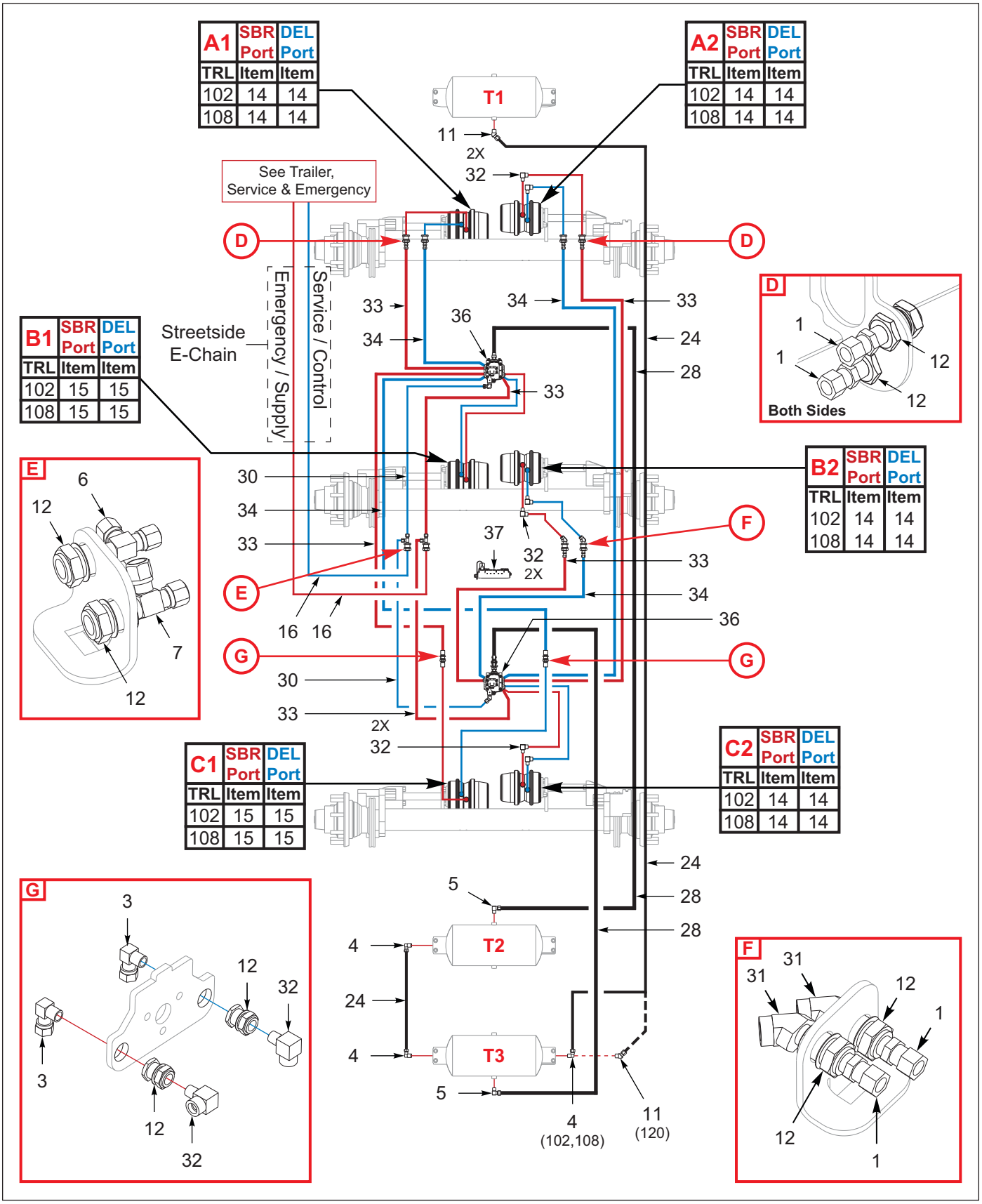
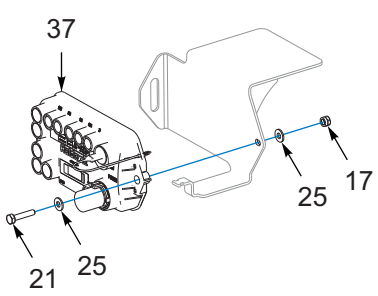
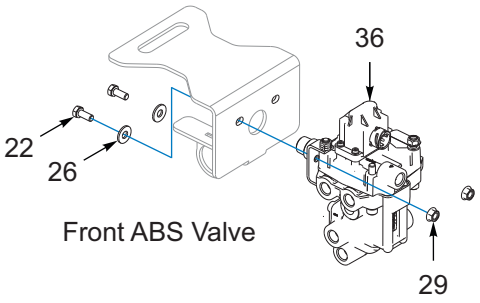
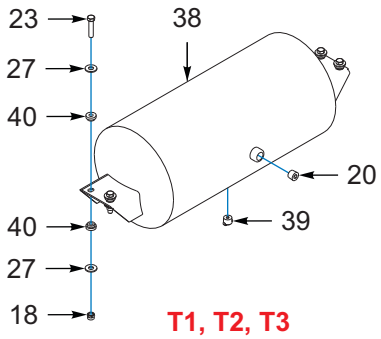


Figure 8-11: ABS, 3 Axle, Disc, Haldex, 102 / 108 (Option) (After 12/01/2025) (1 of 2)





Front ABS Valve

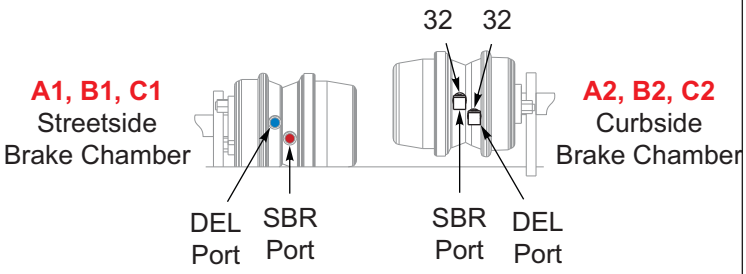


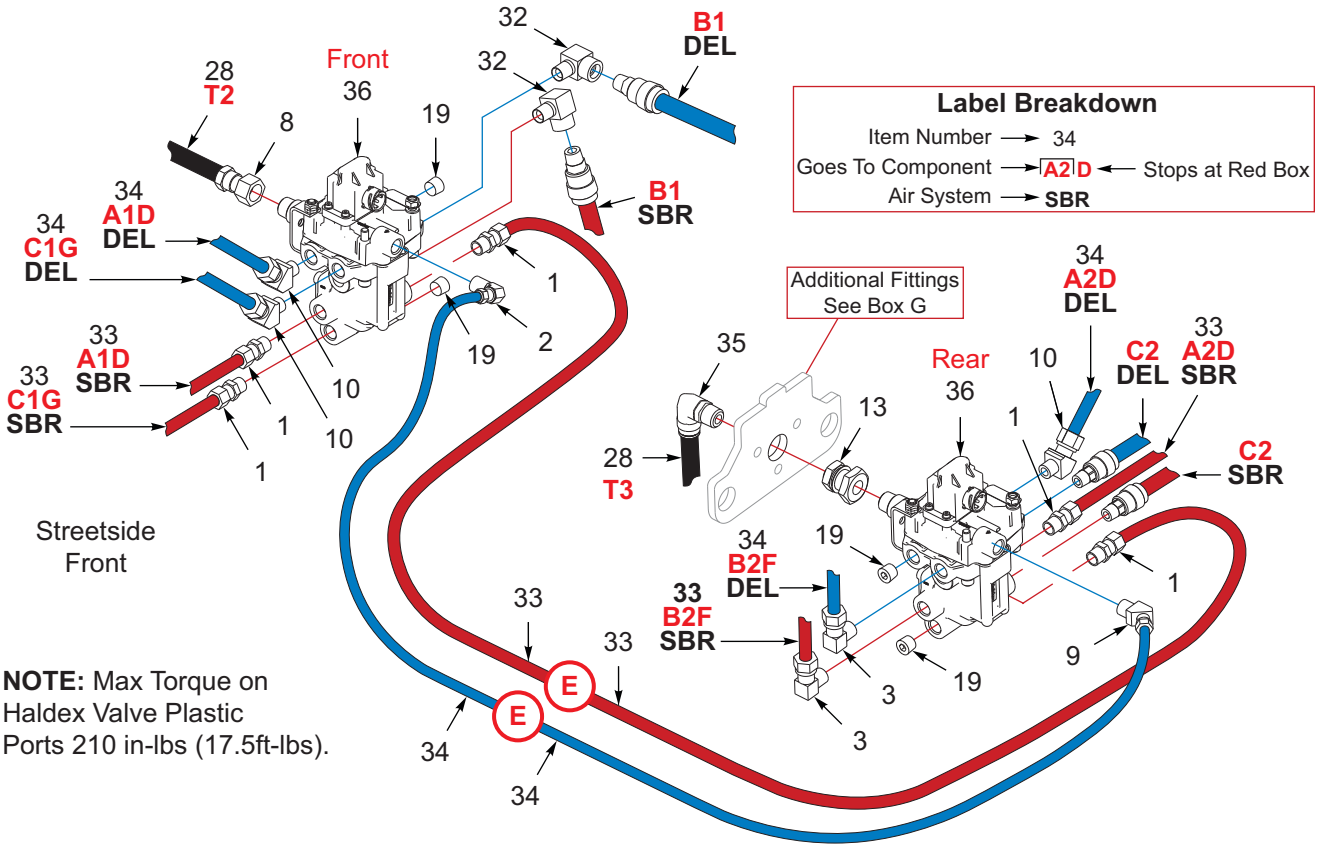
T1, T2, T3
AIR TANK ASSEMBLY

NOTE:
Colors Diplay Routing Only.
Tube Color Listed in Parts Table.

Emergency / Supply / Spring Brake Release:
Black, Red

Service / Control / Delivery:
Blue





NOTE: Max Torque on Haldex Valve Plastic Ports 210 in-lbs (17.5ft-lbs).

Figure 8-12: ABS, 3 Axle, Disc, Haldex, 102 / 108 (Option) (After 12/01/2025) (2 of 2)

ABS, 3 Axle, Disc, Haldex, 102 / 108 (Option) (After 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	253282	SUSP 455B SB / BB DISC HLDX **(102 / 108, STD / CA MODELS)**	- -
1	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	11
2	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
3	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	4
4	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	3
5	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
6	1-297-010011-05	FITTING,AIR,M/RUN TEE 3/8-3/8	1
7	1-297-010011-06	FITTING,AIR,M/RUN TEE 1/2-3/8	1
8	1-297-010012-18	FITTING,AIR,FEM CONN5/8T-1/2P	1
9	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P	1
10	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P	3
11	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB	1
12	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	10
13	1-297-010022-04	FITTING,AIR,ANCHR CPLG,1/2NPT	1
14	1-384-010038018	HOSE ASM AIR 3/8X18,W/3/8 END	8
15	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	4
16	100948	HOSE ASM AIR 3/8X174 W/3/8 END	2
17	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	1
18	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(PER AIR TANK)**	4
19	1-560-010002-03	PLUG, PIPE, 3/8NPTF	4
20	1-560-010002-04	PLUG, PIPE, 1/2NPT **(PER AIR TANK)**	2
21	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	1
22	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	2
23	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5 **(PER AIR TANK)**	4
24	1-833-010003	TUBING NYLON 1/2 OD **(BLACK, BY THE FOOT)**	17
25	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2
26	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
27	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(PER AIR TANK)**	8
28	117304	TUBING NYLON 5/8 **(BLACK, BY THE FOOT)**	18
29	126561	NUT,FLG HD,SERRATED,5/16-18ZP	2
30	184442	TUBING 3/8 BLUE **(BLUE, BY THE FOOT)**	8
31	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	2
32	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	10
33	236560	TUBING AIR 1/2 RED **(RED, BY THE FOOT)**	36
34	240051	TUBING AIR 1/2 BLUE **(BLUE, BY THE FOOT)**	25
35	253300	FIT AIR 5/8T X 1/2NPT 90 BRASS	1
36	239691	ABS VALVE FFABS 2 SER/4SPG BK **(ELECTRICAL SYSTEM - SEE PAGE 9-17)**	2
37	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED)** **(ELECTRICAL SYSTEM - SEE PAGE 9-17)**	1
38	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
39	56D4	COCK,DRAIN AIR TANK VEL036019 **(PER AIR TANK)**	1
40	805-2	BUSHINGS, STEP **(PER AIR TANK)**	8

Table provided for general use.

NOTES:

ABS, 3 Axle, Disc, Haldex, 120 (Option) (After 12/01/2025)

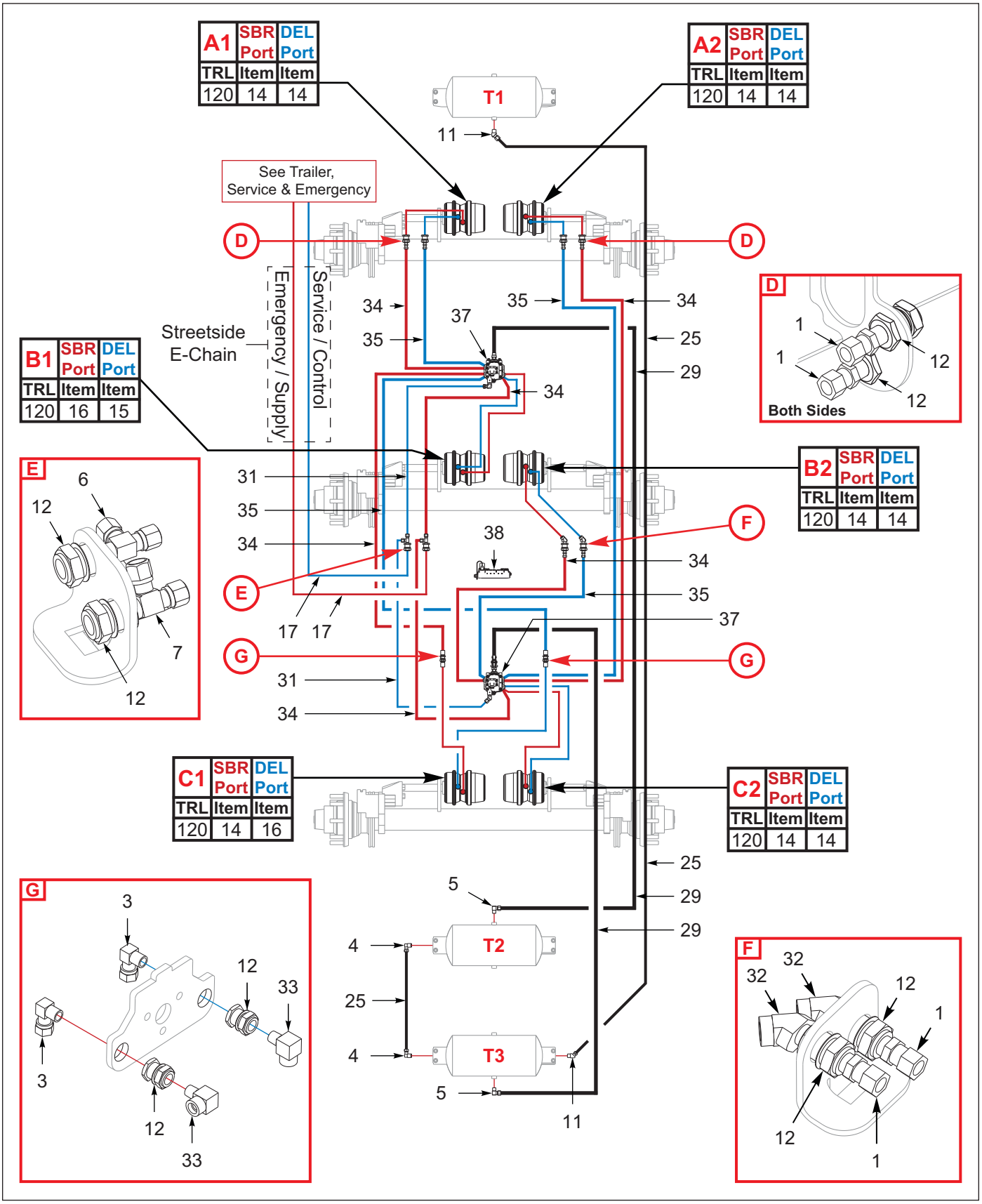
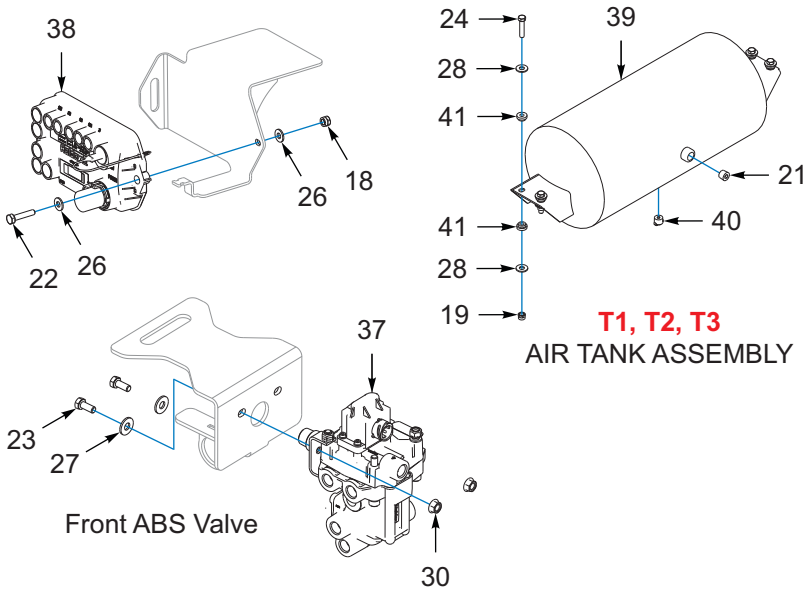
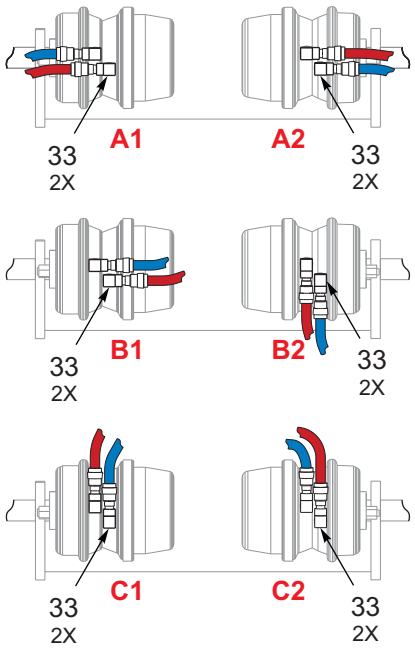


Figure 8-13: ABS, 3 Axle, Disc, Haldex, 120 (Option) (After 12/01/2025) (1 of 2)



Streetside Brake Chamber | Curbside Brake Chamber

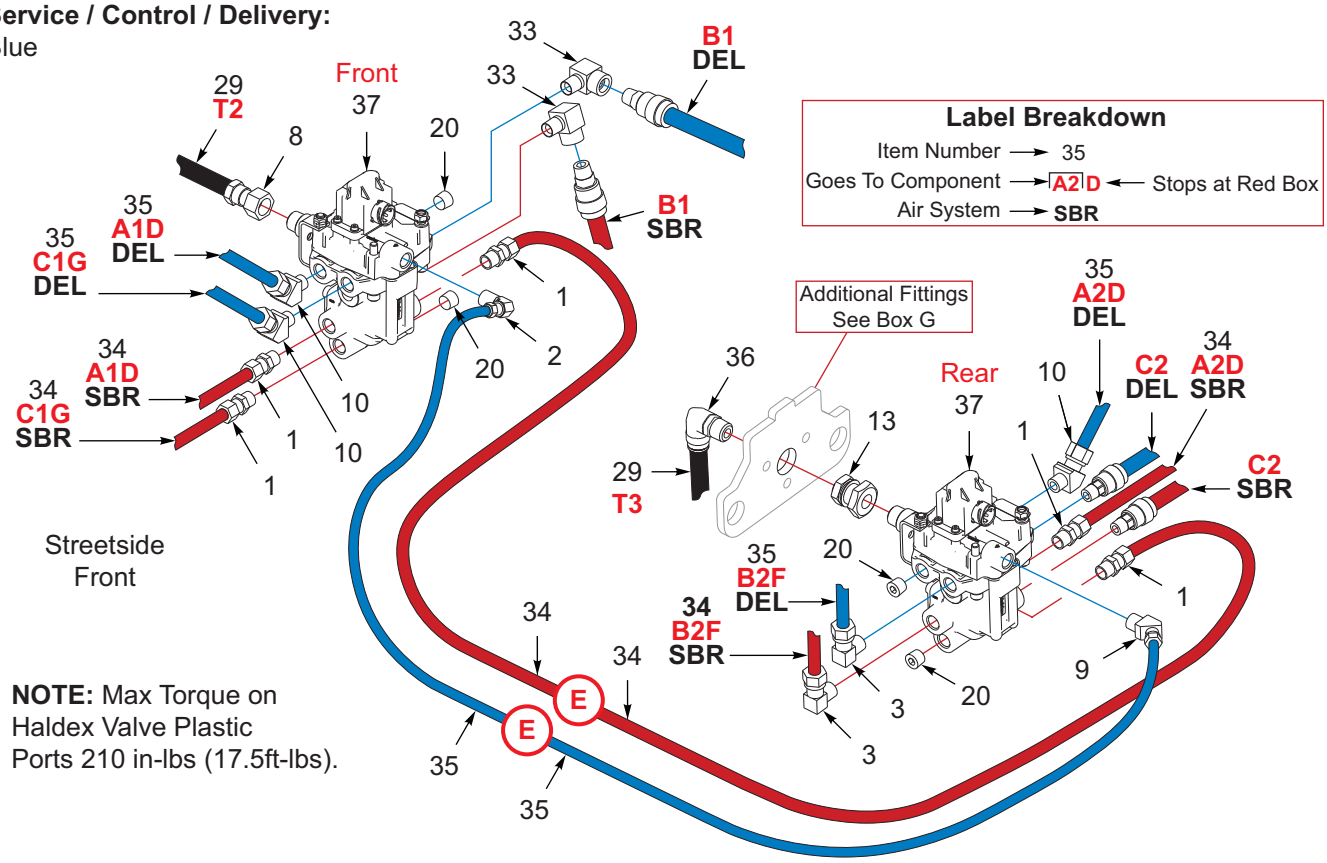
NOTE: 120 BB Do Not Require Item 33.



NOTE:
Colors Diplay Routing Only.
Tube Color Listed in Parts Table.

Emergency / Supply / Spring Brake Release:
Black, Red

Service / Control / Delivery:
Blue



NOTE: Max Torque on Haldex Valve Plastic Ports 210 in-lbs (17.5ft-lbs).

Figure 8-14: ABS, 3 Axle, Disc, Haldex, 120 (Option) (After 12/01/2025) (2 of 2)

ABS, 3 Axle, Disc, Haldex, 120 (Option) (After 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	250722	SUSP ASSY 455B 120 SB DSC HLDX **(120 STD / CA MODELS)**	- -
1	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	11
2	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
3	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	4
4	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	2
5	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
6	1-297-010011-05	FITTING,AIR,M/RUN TEE 3/8-3/8	1
7	1-297-010011-06	FITTING,AIR,M/RUN TEE 1/2-3/8	1
8	1-297-010012-18	FITTING,AIR,FEM CONN5/8T-1/2P	1
9	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P	1
10	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P	3
11	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB	2
12	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	10
13	1-297-010022-04	FITTING,AIR,ANCHR CPLG,1/2NPT	1
14	1-384-010038018	HOSE ASM AIR 3/8X18,W/3/8 END	9
15	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	1
16	240150	HOSE ASM AIR 3/8X28, W/3/8 END	2
17	100948	HOSE ASM AIR 3/8X174 W/3/8 END	2
18	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	1
19	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(PER AIR TANK)**	4
20	1-560-010002-03	PLUG, PIPE, 3/8NPTF	4
21	1-560-010002-04	PLUG, PIPE, 1/2NPT **(PER AIR TANK)**	2
22	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	1
23	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	2
24	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5 **(PER AIR TANK)**	4
25	1-833-010003	TUBING NYLON 1/2 OD **(BLACK, BY THE FOOT)**	19
26	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2
27	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
28	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(PER AIR TANK)**	8
29	117304	TUBING NYLON 5/8 **(BLACK, BY THE FOOT)**	26
30	126561	NUT,FLG HD,SERRATED,5/16-18ZP	2
31	184442	TUBING 3/8 BLUE **(BLUE, BY THE FOOT)**	10
32	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	2
33	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT **(120 SB, REQ 16) (120 BB, REQ 4)**	- -
34	236560	TUBING AIR 1/2 RED **(RED, BY THE FOOT)**	41
35	240051	TUBING AIR 1/2 BLUE **(BLUE, BY THE FOOT)**	29
36	253300	FIT AIR 5/8T X 1/2NPT 90 BRASS	1
37	239691	ABS VALVE FFABS 2 SER/4SPG BK **(ELECTRICAL SYSTEM - SEE PAGE 9-17)**	2
38	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED) (ELECTRICAL SYSTEM - SEE PAGE 9-17)**	1
39	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
40	56D4	COCK,DRAIN AIR TANK VEL036019 **(PER AIR TANK)**	1
41	805-2	BUSHINGS, STEP **(PER AIR TANK)**	8

Table provided for general use.

NOTES:

ABS, 3 Axle, Drum, Wabco (Before 03/10/2023)

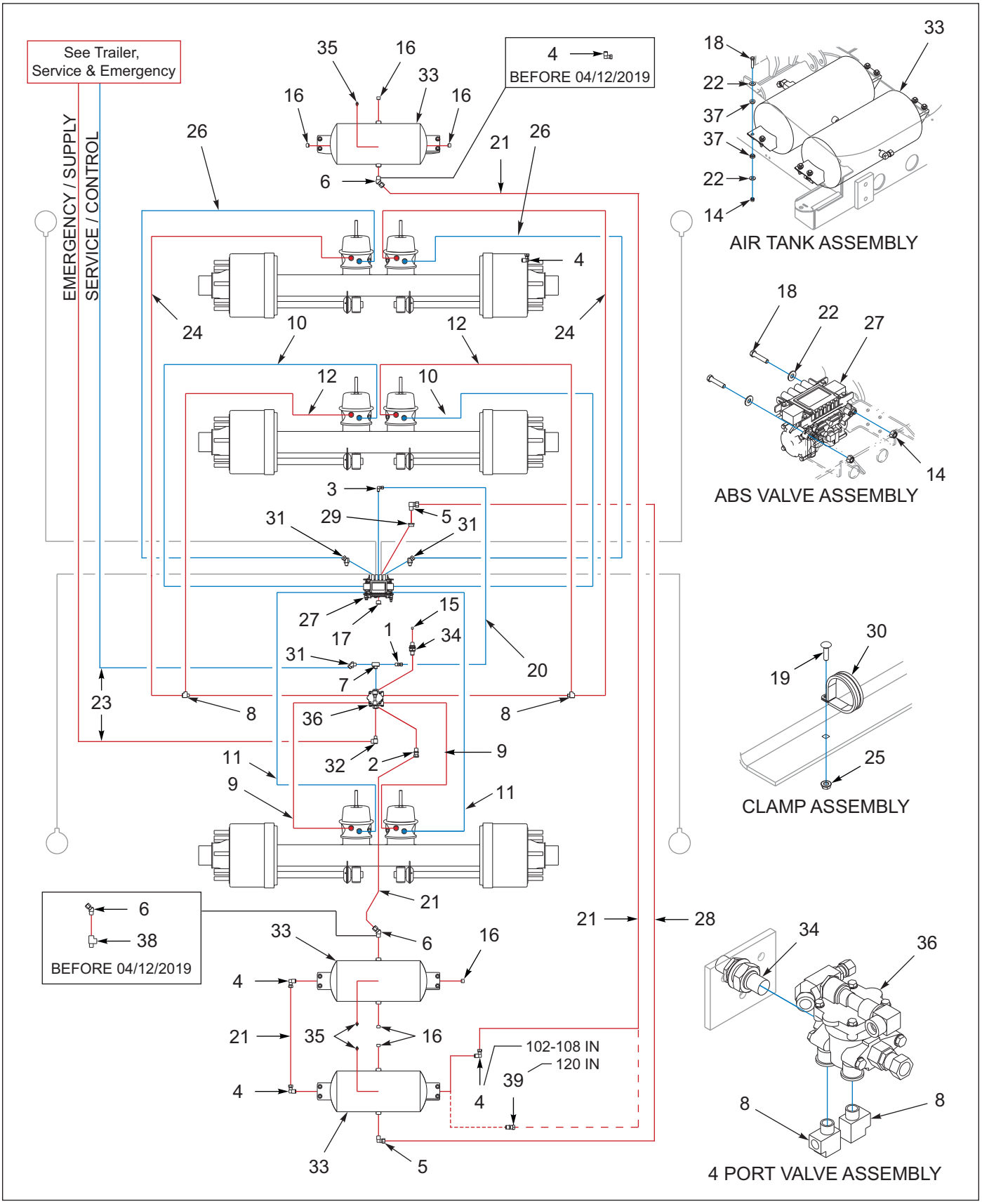


Figure 8-15: ABS, 3 Axle, Drum, Wabco (Before 03/10/2023)

ABS, 3 Axle, Drum, Wabco (Before 03/10/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB	- -
	214477	SUSP 455B-CA-102	- -
	214471	SUSP 455B-108 BB	- -
	214481	SUSP 455B-CA-108 BB	- -
	214474	SUSP 455B-108 SB	- -
	214484	SUSP 455B-CA-108 SB	- -
	215028	SUSP 455B-102 BB GROTE	- -
	215213	SUSP ASSY 455B-120BB 87 TRK **(120)**	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	1
3	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
4	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT **(BEFORE 04/12/2019, 4 EACH)**	3
5	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
6	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB **(BEFORE 04/12/2019, 1 EACH)**	2
7	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
8	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	2
9	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	2
10	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	2
11	1-384-010038060	HOSE ASM AIR 3/8X60,W/3/8 END	2
12	1-384-010038076	HOSE ASM AIR 3/8X76,W/3/8 END	2
13	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	2
14	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	12
15	1-560-010002-02	PLUG, PIPE, 1/4NPT	1
16	1-560-010002-04	PLUG, PIPE, 1/2NPT	6
17	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
18	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	14
19	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1	2
20	1-833-010002	TUBING NYLON 3/8 OD **(BLACK - BY THE FOOT)**	10
21	1-833-010003	TUBING NYLON 1/2 OD **(BLACK - BY THE FOOT)**	21
22	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	26
23	100949	HOSE ASM AIR 3/8X222 W/3/8 END	2
24	107956	HOSE ASM AIR 3/8X136,W/3/8 END **(BEFORE 08/31/2020)**	2
24	1-384-010038204	HOSE ASM AIR 3/8X204,W/3/8 END **(08/31/2020 - 12/29/2020)**	2
24	103738	HOSE ASM AIR 3/8X100,W/3/8 END **(AFTER 12/29/2020)**	2
24	184569	HOSE ASM AIR 3/8X106,W/3/8 END **(120 ONLY)**	2
25	108417	NUT SPIRAL 1/4-20HX FG	2
26	1-384-010038084	HOSE ASM AIR 3/8X84,W/3/8 END **(BEFORE 08/31/2020)**	2
26	112819	HOSE ASM AIR 3/8X156,W/3/8 END **(AFTER 08/31/2020)**	2
27	114586	ABS KIT WABCO 4S/2MTRI/SPREAD **(ELECTRICAL - SEE PAGE 9-9)**	1
28	117304	TUBING NYLON 5/8 **(BLACK - BY THE FOOT)**	7
29	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
30	202930	CLAMP,PART CUSH ALUM,2	2
31	2049-6-6S	45 SWIVEL 3/8 MALE 3/8 FEMALE **(BEFORE 08/31/2020 HOSES STRAIGHT TO ECU VALVE)** **(AFTER 08/31/2020 - 12/29/2020, 2 EACH AT ECU VALVE)**	2
31	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT **(BEFORE 08/31/2020, 1 EACH)** **(AFTER 12/29/2020, REPLACED 2 AT ECU VALVE)**	3
32	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
33	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
34	55B61	FRAME UNION	1
35	56D4	COCK,DRAIN AIR TANK VEL036019	3
36	758-181	VALVE TASK 4 PORT	1
37	805-2	BUSHINGS, STEP	24
38	1-297-010018-04	FITTING 1/2 BRASS PIPE ST TEE **(BEFORE 04/12/2019)**	1
39	1-297-010007-16	FITTING AIR 1/2TUBEX1/2 NPT **(120 ONLY)**	1

Table provided for general use.

NOTES:

ABS, 3 Axle, Drum, Wabco (03/10/2023 To 06/12/2023)

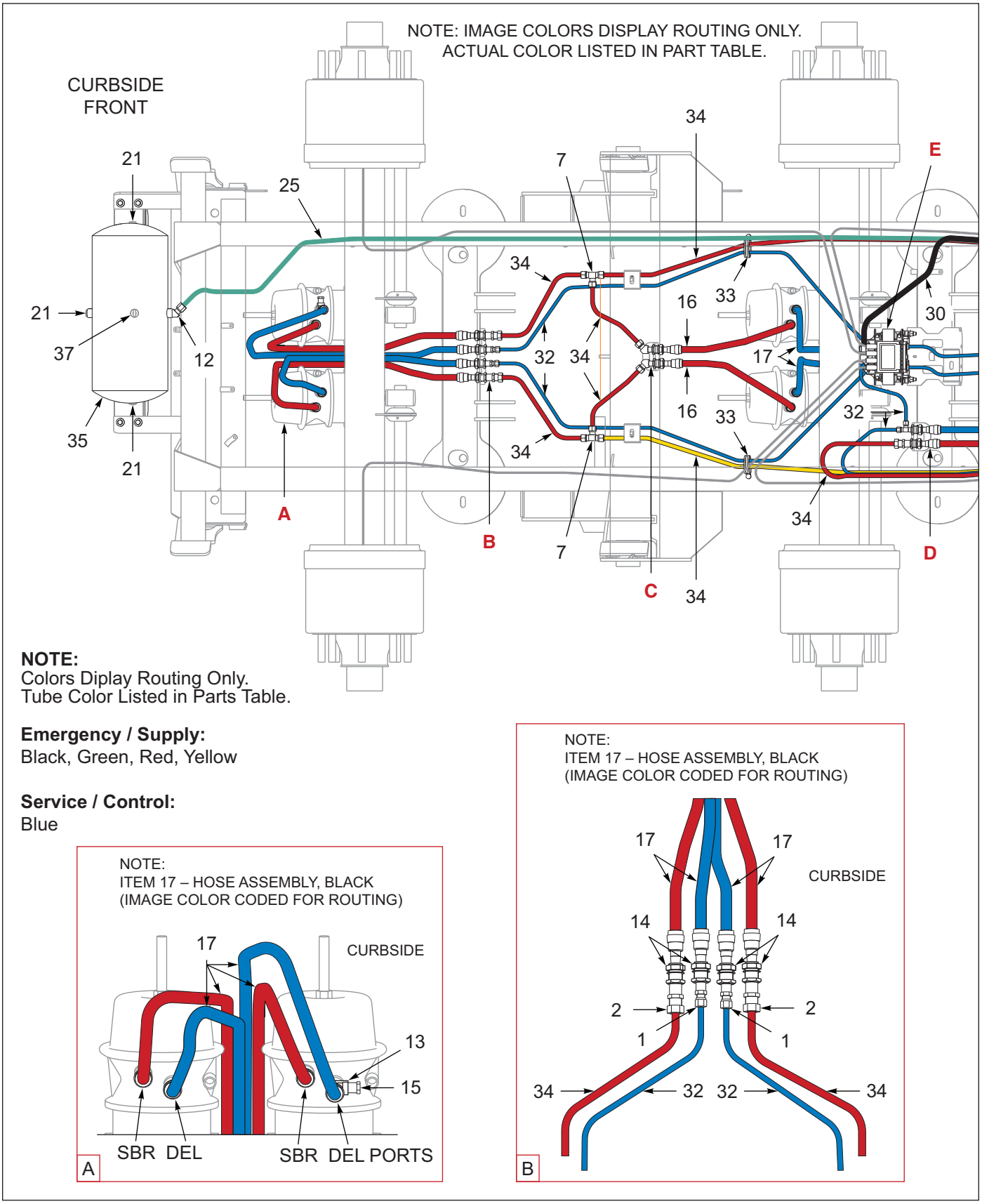


Figure 8-16: ABS, 3 Axle, Drum, Wabco (03/10/2023 To 06/12/2023) (1 of 3)

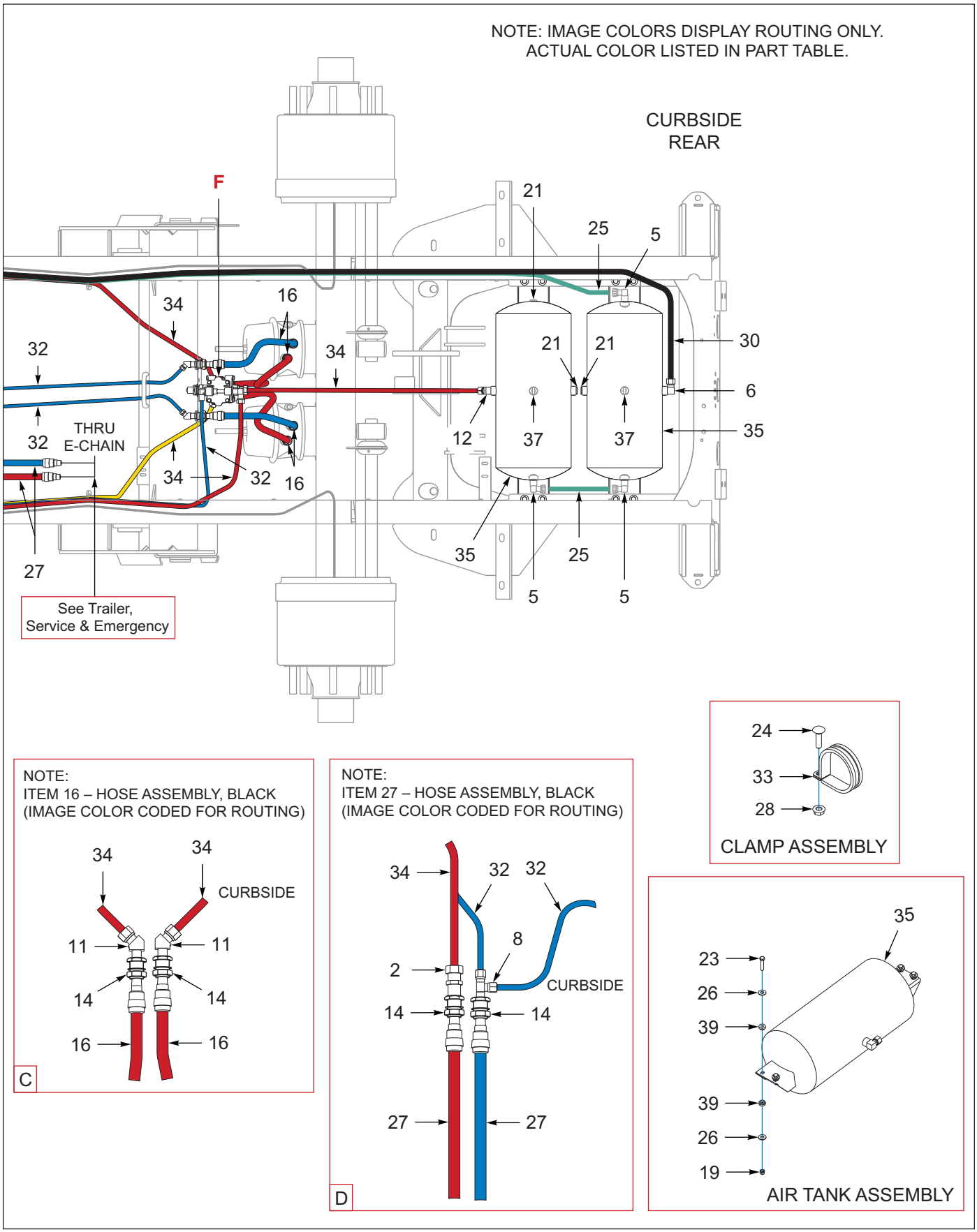


Figure 8-17: ABS, 3 Axle, Drum, Wabco (03/10/2023 To 06/12/2023) (2 of 3)

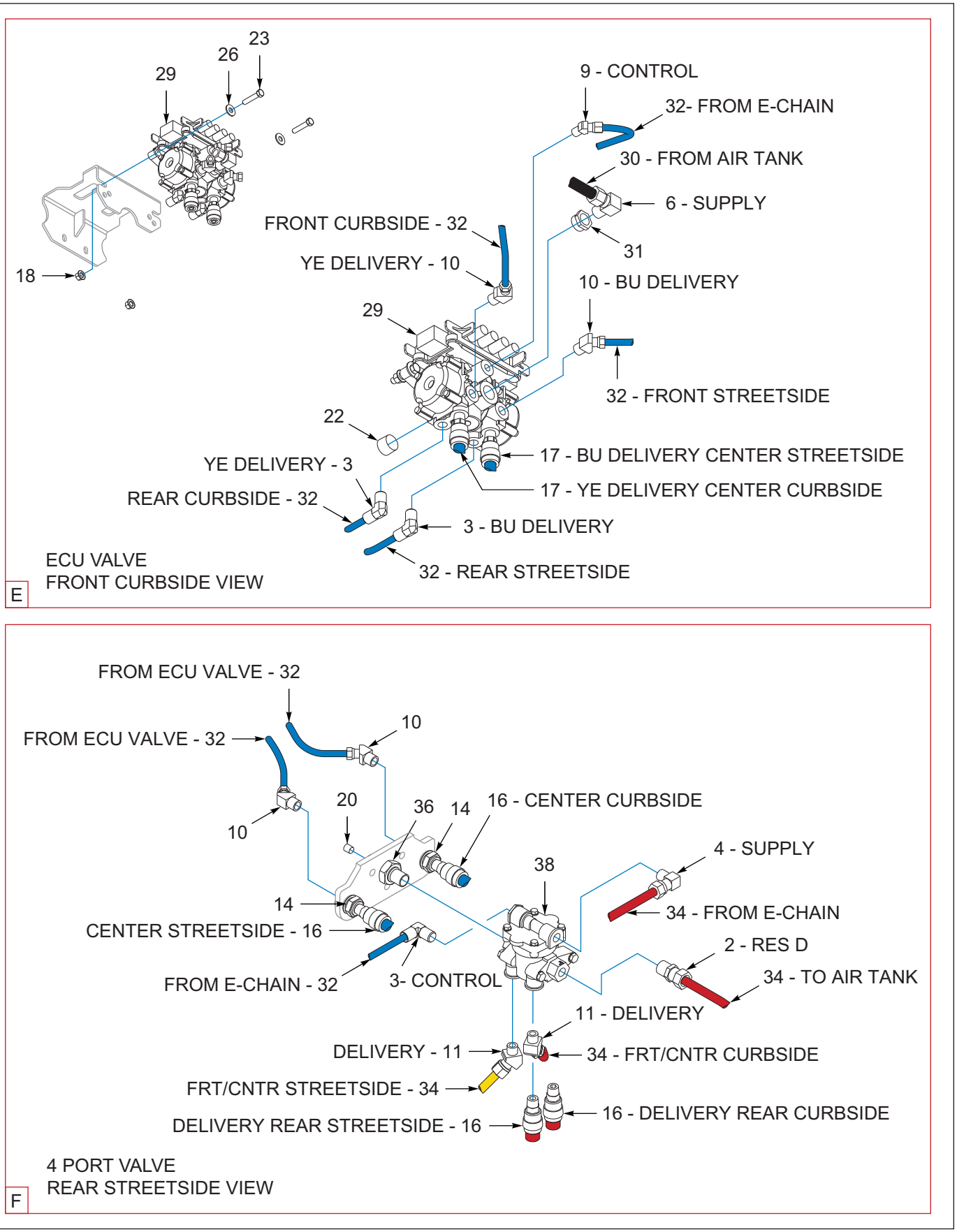


Figure 8-18: ABS, 3 Axle, Drum, Wabco (03/10/2023 To 06/12/2023) (3 of 3)

ABS, 3 Axle, Drum, Wabco (03/10/2023 To 06/12/2023)

ITEM	PART NUMBER	DESCRIPTION		QTY.
	214468	SUSP 455B-102 SB	**(SUSP 1 - 102 SB DRUM)**	- -
	214477	SUSP 455B-CA-102	**(SUSP 2 - 102 SB DRUM CA)**	- -
	215028	SUSP 455B-102 BB GROTE	**(SUSP 3 - 102 BB DRUM)**	- -
	244583	SUSP 455B-CA-102 BB	**(SUSP 4 - 102 BB DRUM CA)**	- -
	214474	SUSP 455B-108 SB	**(SUSP 5 - 108 SB DRUM)**	- -
	214484	SUSP 455B-CA-108 SB	**(SUSP 6 - 108 SB DRUM CA)**	- -
	214471	SUSP 455B-108 BB	**(SUSP 7 - 108 BB DRUM)**	- -
	214481	SUSP 455B-CA-108 BB	**(SUSP 8 - 108 BB DRUM CA)**	- -
	215213	SUSP ASSY 455B-120BB 87 TRK	**(SUSP 9 - 120 BB DRUM)**	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT		2
2	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT		4
3	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT		3
4	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT		2
5	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT		5
6	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90		2
7	1-297-010010-06	FITTING,AIR UNION TEE 1/2		2
8	1-297-010011-05	FITTING,AIR,M/RUN TEE 3/8-3/8		1
9	1-297-010013-11	FITTING,AIR,45 M/ELB3/8T-1/4P		1
10	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P		4
11	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P		4
12	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB		2
13	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE		1
14	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT		10
15	1-297-010033-03	FITTING,BRASS PLUG HEX 3/8NPT		1
16	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END		6
17*	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END		6
18	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G		2
19	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16		12
20	1-560-010002-02	PLUG, PIPE, 1/4NPT		1
21	1-560-010002-04	PLUG, PIPE, 1/2NPT		6
22	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF		1
23	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5		14
24	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1		2
25	1-833-010003	TUBING NYLON 1/2 OD **(BLACK - BY THE FOOT)**		23
26	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD		26
27	103698	HOSE ASM AIR 3/8X182,W/3/8 END		2
28	108417	NUT SPIRAL 1/4-20HX FG		2
29	114586	ABS KIT WABCO 4S/2MTRI/SPREAD **(ELECTRICAL - SEE PAGE 9-9)**		1
30	117304	TUBING NYLON 5/8 **(BLACK - BY THE FOOT)**		17
31	118-2659-9	BUSHING 1/2NPTX3/4NPT STL		1
32	184442	TUBING 3/8 BLUE **(BLUE - BY THE FOOT)**		29
33	202930	CLAMP,PART CUSH ALUM,2		2
34	236560	TUBING AIR 1/2 RED **(RED) (SUSP 1-8, 34 FEET) (SUSP 9, 35 FEET)**		- -
35	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS		3
36	55B61	FRAME UNION		1
37	56D4	COCK,DRAIN AIR TANK VEL036019		3
38	758-181	VALVE TASK 4 PORT		1
39	805-2	BUSHINGS, STEP		24

ABS, 3 Axle, Drum, Wabco (06/12/2023 To 10/06/2023)

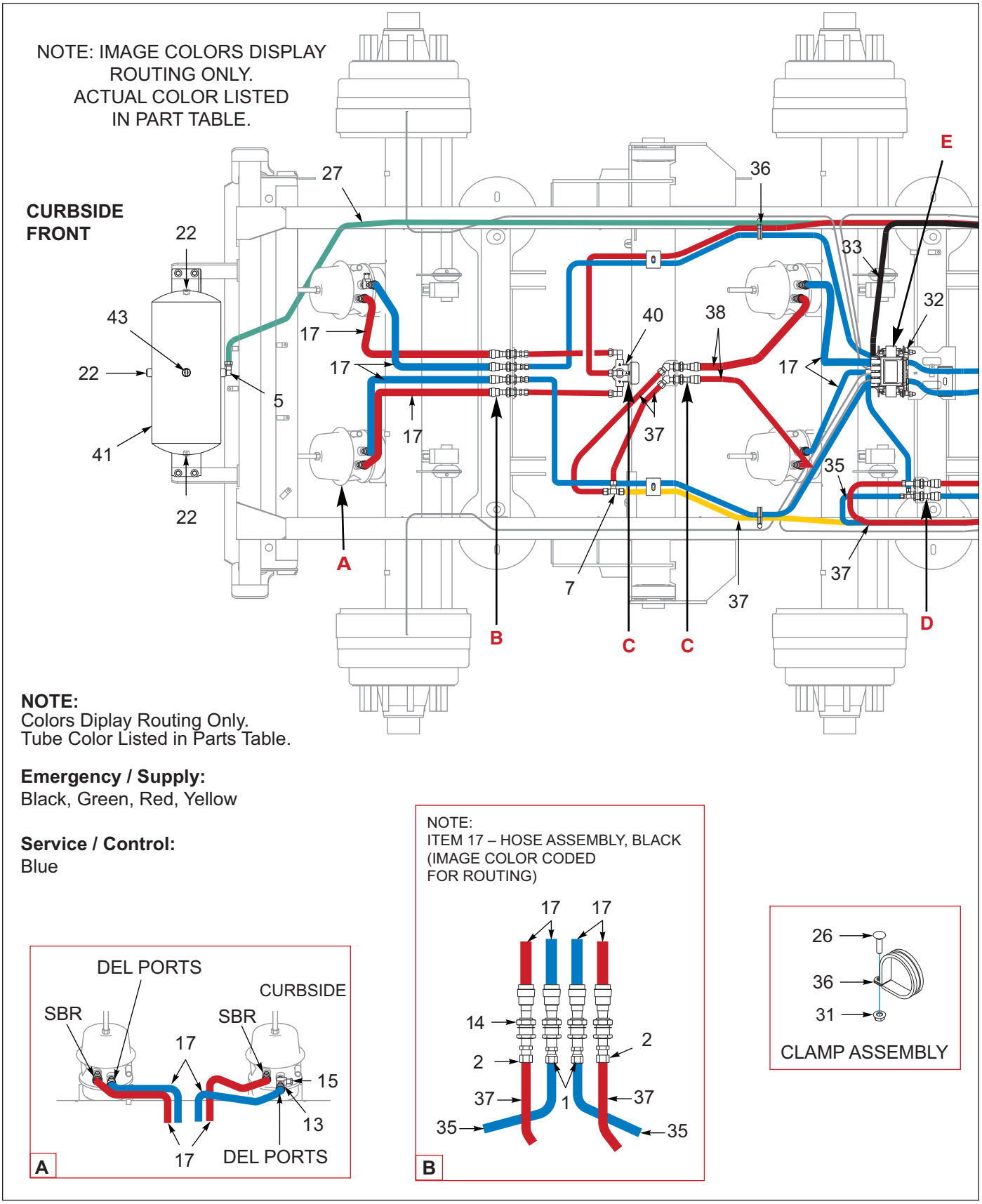


Figure 8-19: ABS, 3 Axle, Drum, Wabco (06/12/2023 To 10/06/2023) (1 of 3)

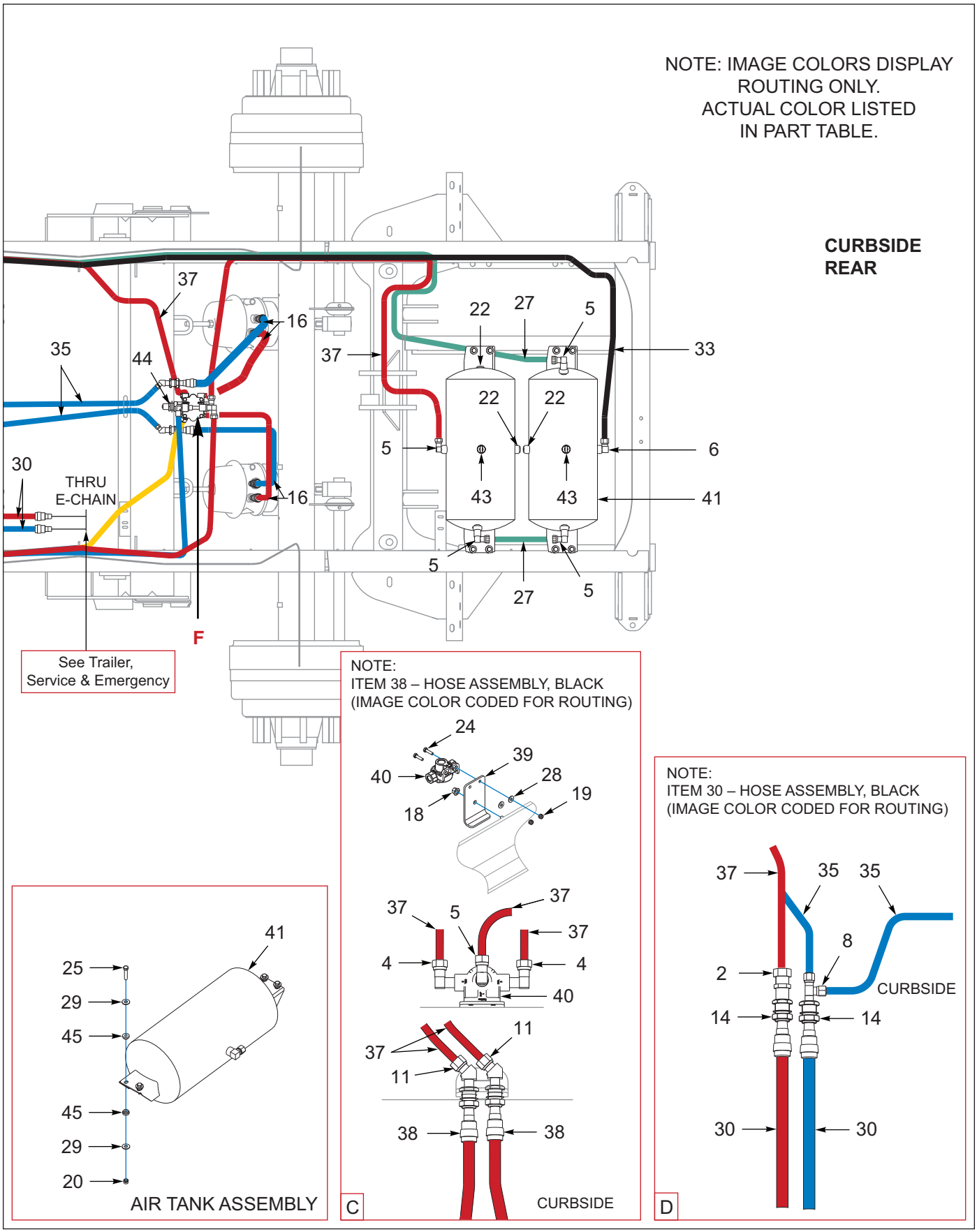


Figure 8-20: ABS, 3 Axle, Drum, Wabco (06/12/2023 To 10/06/2023) (2 of 3)

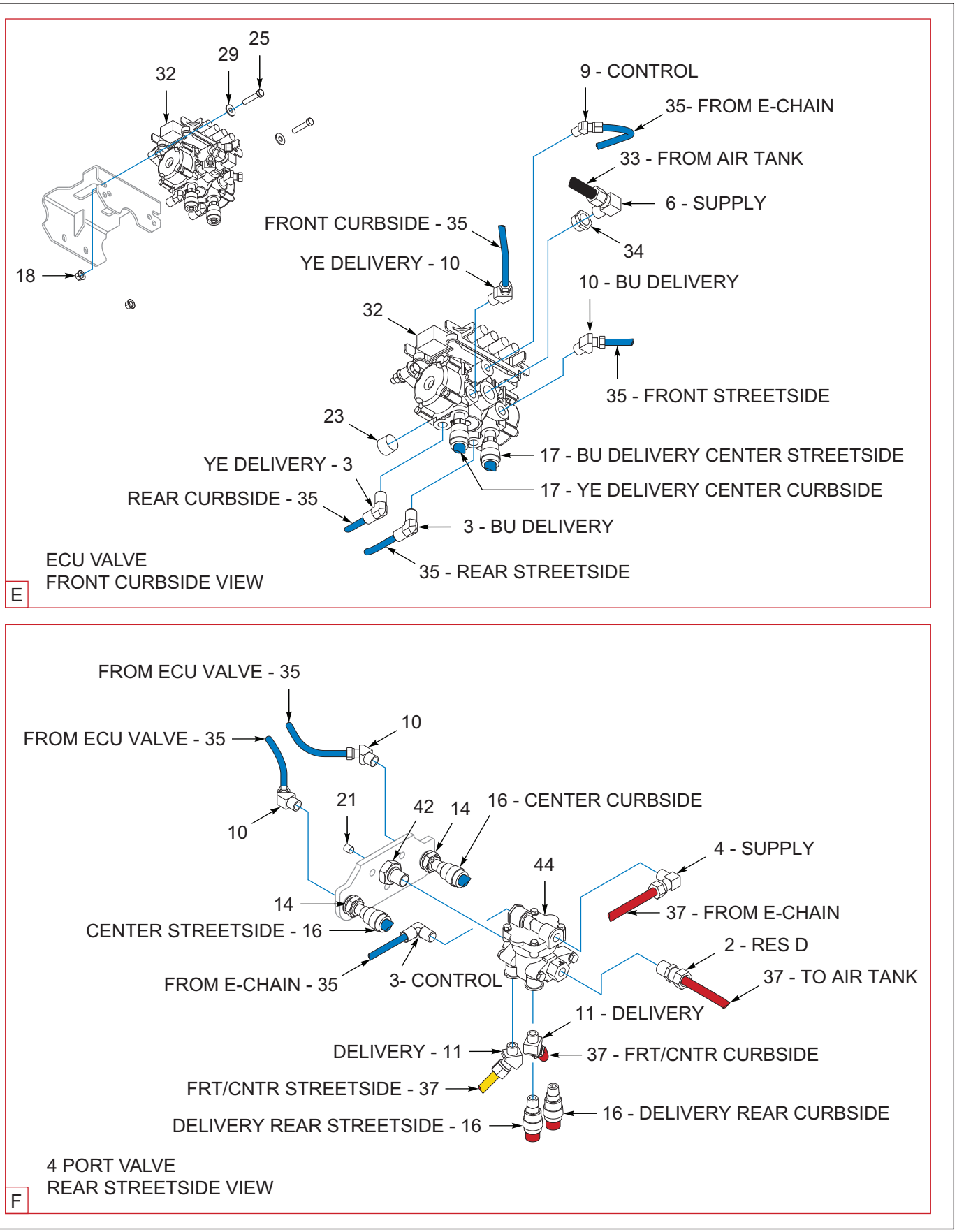


Figure 8-21: ABS, 3 Axle, Drum, Wabco (06/12/2023 To 10/06/2023) (3 of 3)

ABS, 3 Axle, Drum, Wabco (06/12/2023 To 10/06/2023)

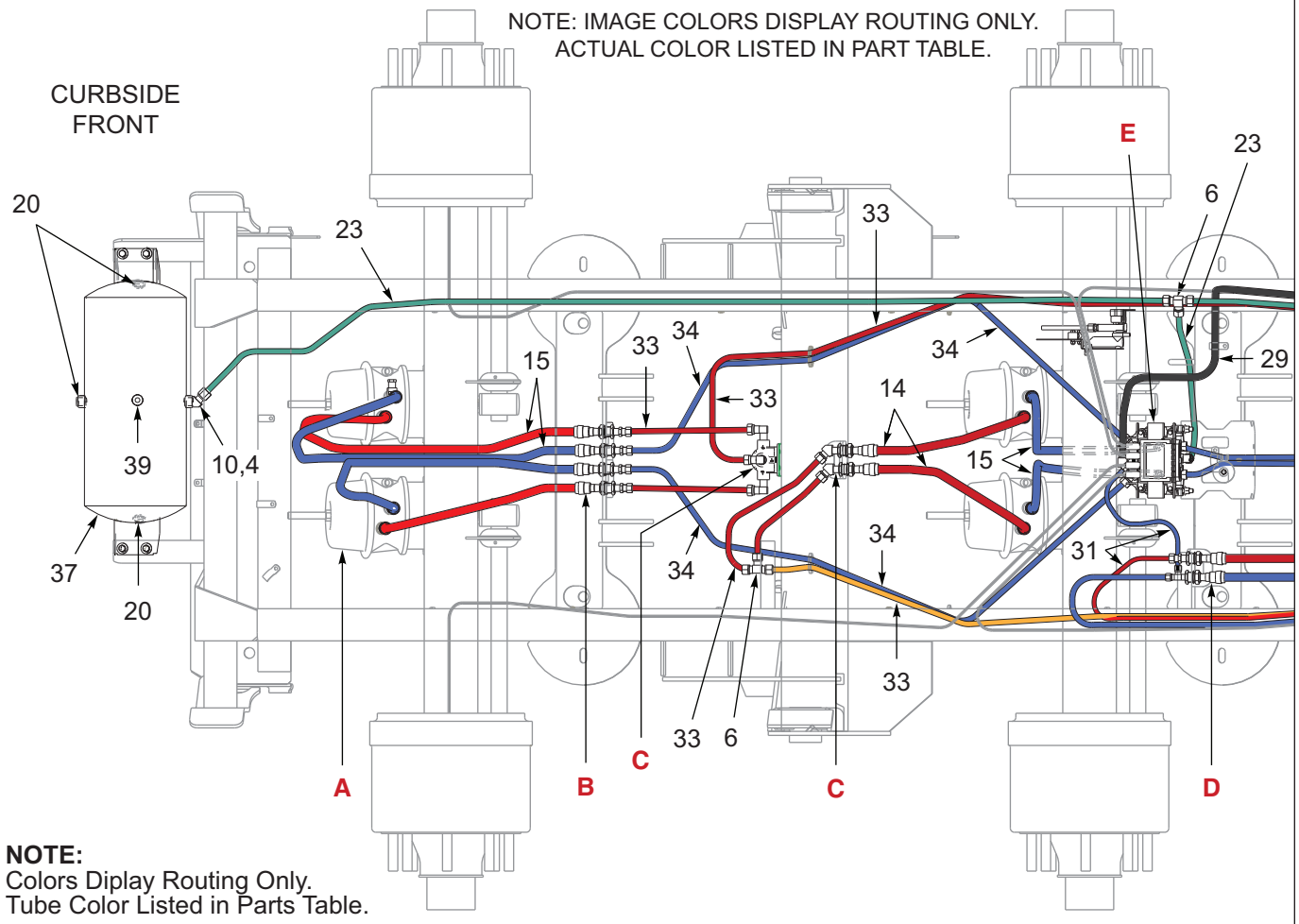
ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB **(SUSP 1 - 102 SB DRUM)**	- -
	214477	SUSP 455B-CA-102 **(SUSP 2 - 102 SB DRUM CA)**	- -
	215028	SUSP 455B-102 BB GROTE **(SUSP 3 - 102 BB DRUM)**	- -
	244583	SUSP 455B-CA-102 BB **(SUSP 4 - 102 BB DRUM CA)**	- -
	214474	SUSP 455B-108 SB **(SUSP 5 - 108 SB DRUM)**	- -
	214484	SUSP 455B-CA-108 SB **(SUSP 6 - 108 SB DRUM CA)**	- -
	214471	SUSP 455B-108 BB **(SUSP 7 - 108 BB DRUM)**	- -
	214481	SUSP 455B-CA-108 BB **(SUSP 8 - 108 BB DRUM CA)**	- -
	215213	SUSP ASSY 455B-120BB 87 TRK **(SUSP 9 - 120 BB DRUM)**	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	2
2	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT **(BEFORE 6/12/2023, QTY 4)**	3
3	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	3
4	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT **(BEFORE 6/12/2023, QTY 2)**	4
5	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT **(BEFORE 6/12/2023, QTY 5)**	6
6	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
7	1-297-010010-06	FITTING,AIR UNION TEE 1/2 **(BEFORE 6/12/2023, QTY 2)**	1
8	1-297-010011-05	FITTING,AIR,M/RUN TEE 3/8-3/8	1
9	1-297-010013-11	FITTING,AIR,45 M/ELB3/8T-1/4P	1
10	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P	4
11	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P	4
12	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB **(BEFORE 6/12/2023, QTY 2)**	- -
13	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	1
14	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	10
15	1-297-010033-03	FITTING,BRASS PLUG HEX 3/8NPT	1
16	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END **(BEFORE 6/12/2023, QTY 6)**	4
17	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	6
18	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G **(BEFORE 07/21/2023), QTY2)**	3
19	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(AFTER 07/21/2023)**	2
20	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	12
21	1-560-010002-02	PLUG, PIPE, 1/4NPT	1
22	1-560-010002-04	PLUG, PIPE, 1/2NPT	6
23	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
24	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5 **(AFTER 07/21/2023)**	2
25	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	14
26	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1	2
27	1-833-010003	TUBING NYLON 1/2 OD **(BLACK - BY THE FOOT)**	23
28	1-861-010032-07	WASHER,FLAT 1/4 ZP **(AFTER 07/21/2023)**	2
29	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	26
30	103698	HOSE ASM AIR 3/8X182,W/3/8 END **(AFTER 6/12/2023, USE 100948)**	2
31	108417	NUT SPIRAL 1/4-20HX FG	2
32	114586	ABS KIT WABCO 4S/2MTRI/SPREAD **(ELECTRICAL - SEE PAGE 9-9)**	1
33	117304	TUBING NYLON 5/8 **(BLACK - BY THE FOOT)**	17
34	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
35	184442	TUBING 3/8 BLUE **(BLUE - BY THE FOOT)**	29
36	202930	CLAMP,PART CUSH ALUM,2	2
37	236560	TUBING AIR 1/2 RED **(RED) (SUSP 1-8, 34 FEET) (SUSP 9, 39 FEET)**	- -
38	240150	HOSE ASM AIR 3/8X28, W/3/8 END	2
39	242506	BRKT QUICK RELEASE VLV 400 U/C **(AFTER 07/21/2023)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
40	245976	QR VALVE 1/2NPT-3/8NPT HLDX **(AFTER 07/21/2023)**	1
41	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
42	55B61	FRAME UNION	1
43	56D4	COCK,DRAIN AIR TANK VEL036019	3
44	758-181	VALVE TASK 4 PORT	1
45	805-2	BUSHINGS, STEP	24

Table provided for general use.

NOTES:

ABS, 3 Axle, Drum, Wabco (10/06/2023 To 12/01/2025)

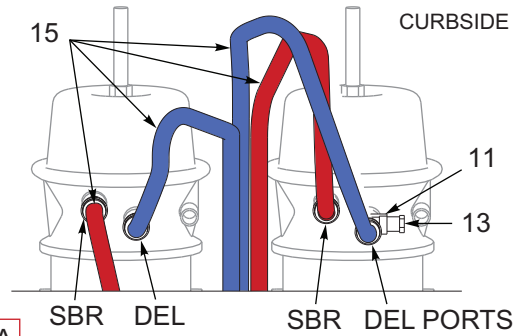


NOTE:
Colors Diplay Routing Only.
Tube Color Listed in Parts Table.

Emergency / Supply:
Black, Green, Red, Yellow

Service / Control:
Blue

NOTE:
ITEM 15 – HOSE ASSEMBLY, BLACK
(IMAGE COLOR CODED FOR ROUTING)



NOTE:
ITEM 15 – HOSE ASSEMBLY, BLACK
(IMAGE COLOR CODED FOR ROUTING)

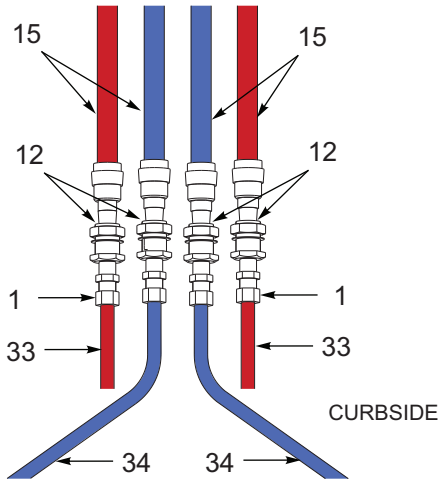


Figure 8-22: ABS, 3 Axle, Drum, Wabco (After 10/06/2023) (1 of 3)

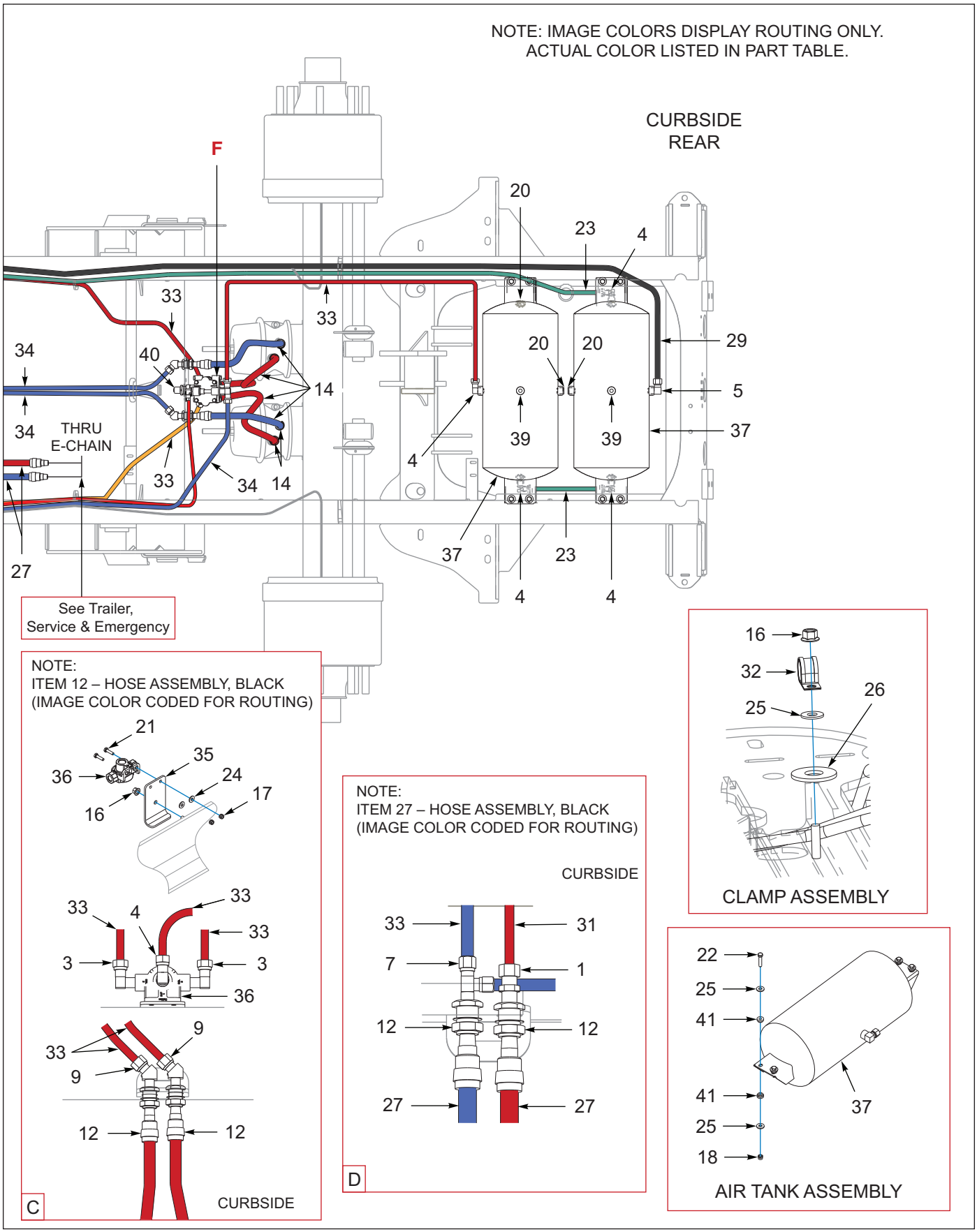


Figure 8-23: ABS, 3 Axle, Drum, Wabco (10/06/2023 To 12/01/2025) (2 of 3)

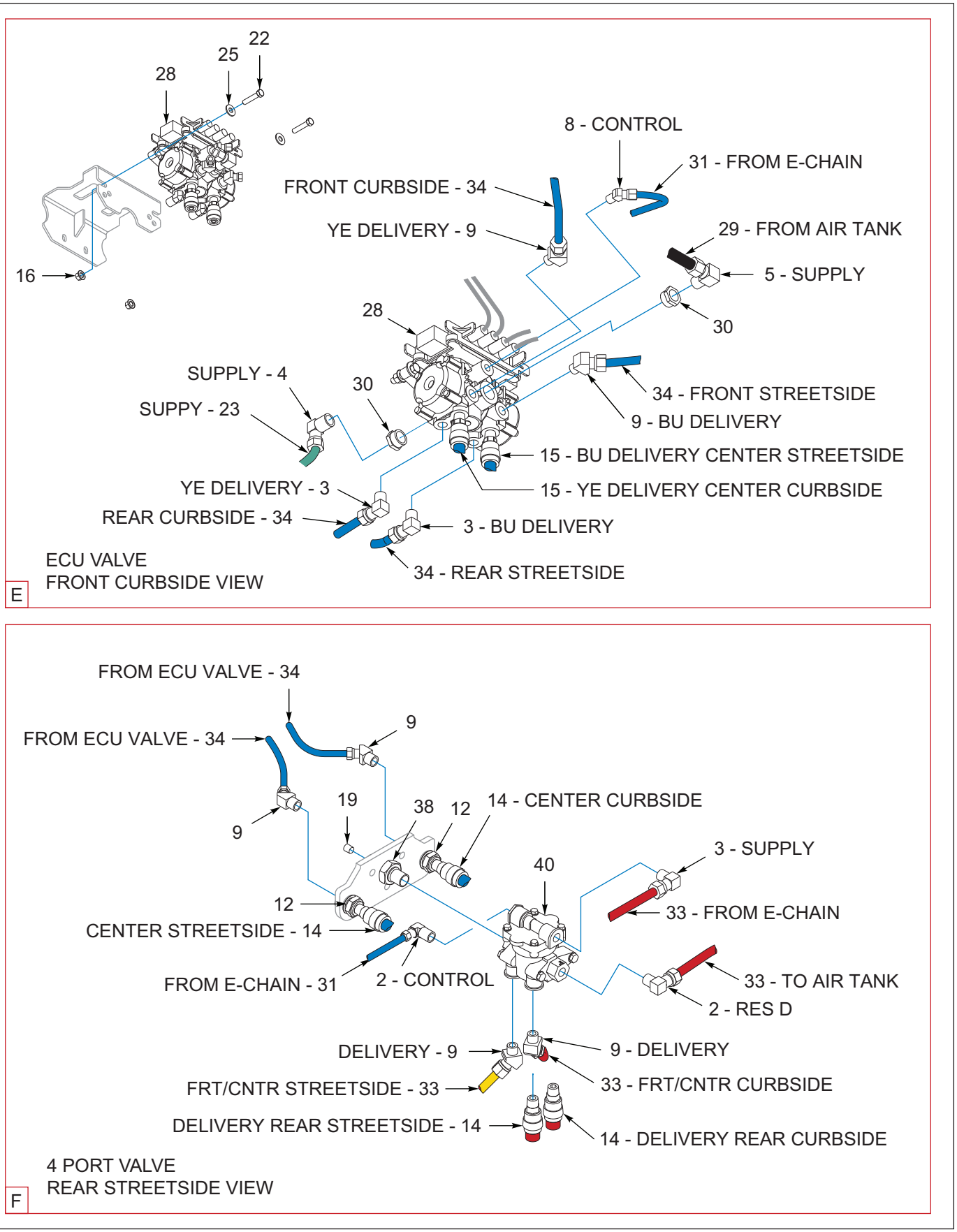


Figure 8-24: ABS, 3 Axle, Drum, Wabco (10/06/2023 To 12/01/2025) (3 of 3)

ABS, 3 Axle, Drum, Wabco (10/06/2023 To 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB **(SUSP 1 - 102 SB DRUM)**	- -
	214477	SUSP 455B-CA-102 **(SUSP 2 - 102 SB DRUM CA)**	- -
	215028	SUSP 455B-102 BB GROTE **(SUSP 3 - 102 BB DRUM)**	- -
	244583	SUSP 455B-CA-102 BB **(SUSP 4 - 102 BB DRUM CA)**	- -
	214474	SUSP 455B-108 SB **(SUSP 5 - 108 SB DRUM)**	- -
	214484	SUSP 455B-CA-108 SB **(SUSP 6 - 108 SB DRUM CA)**	- -
	214471	SUSP 455B-108 BB **(SUSP 7 - 108 BB DRUM)**	- -
	214481	SUSP 455B-CA-108 BB **(SUSP 8 - 108 BB DRUM CA)**	- -
	215213	SUSP ASSY 455B-120BB 87 TRK **(SUSP 9 - 120 BB DRUM)**	- -
1	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	5
2	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
3	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	6
4	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT **(SUSP 1-8, QTY=6) (SUSP 9, QTY=7)**	- -
5	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
6	1-297-010010-06	FITTING,AIR UNION TEE 1/2	2
7	1-297-010011-05	FITTING,AIR,M/RUN TEE 3/8-3/8	1
8	1-297-010013-11	FITTING,AIR,45 M/ELB3/8T-1/4P	1
9	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P	8
10	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB **(SUSP 1-8 ONLY)**	1
11	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	1
12	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	10
13	1-297-010033-03	FITTING,BRASS PLUG HEX 3/8NPT	1
14	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END **(SUSP 1-8, QTY=6) (SUSP 9, QTY=4)**	- -
15	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	6
16	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	3
17	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
18	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	12
19	1-560-010002-02	PLUG, PIPE, 1/4NPT	1
20	1-560-010002-04	PLUG, PIPE, 1/2NPT	6
21	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
22	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	14
23	1-833-010003	TUBING NYLON 1/2 OD **(BLACK) (SUSP 1-8, 26 FEET) (SUSP 9, 25 FEET)**	- -
24	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
25	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	27
26	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	1
27	100948	HOSE ASM AIR 3/8X174 W/3/8 END	2
28	114586	ABS KIT WABCO 4S/2MTRI/SPREAD **(ELECTRICAL - SEE PAGE 9-9)**	1
29	117304	TUBING NYLON 5/8 **(BLACK) (SUSP 1-8, 17 FEET) (SUSP 9, 15 FEET)**	- -
30	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	2
31	184442	TUBING 3/8 BLUE	10
32	194371	CLAMP CABLE 1 IN 3/4 WIDE	1
33	236560	TUBING AIR 1/2 RED **(RED) (SUSP 1-8, 34 FEET) (SUSP 9, 39 FEET)**	- -
34	240051	TUBING AIR 1/4 BLUE **(BLUE - BY THE FOOT)**	20
35	242506	BRKT QUICK RELEASE VLV 400 U/C	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
36	245976	QR VALVE 1/2NPT-3/8NPT HLDX **(AFTER 07/21/2023)**	1
37	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
38	55B61	FRAME UNION	1
39	56D4	COCK,DRAIN AIR TANK VEL036019	3
40	758-181	VALVE TASK 4 PORT	1
41	805-2	BUSHINGS, STEP	24

Table provided for general use.

NOTES:

ABS, 3 Axle, Drum, Haldex (After 12/01/2025)

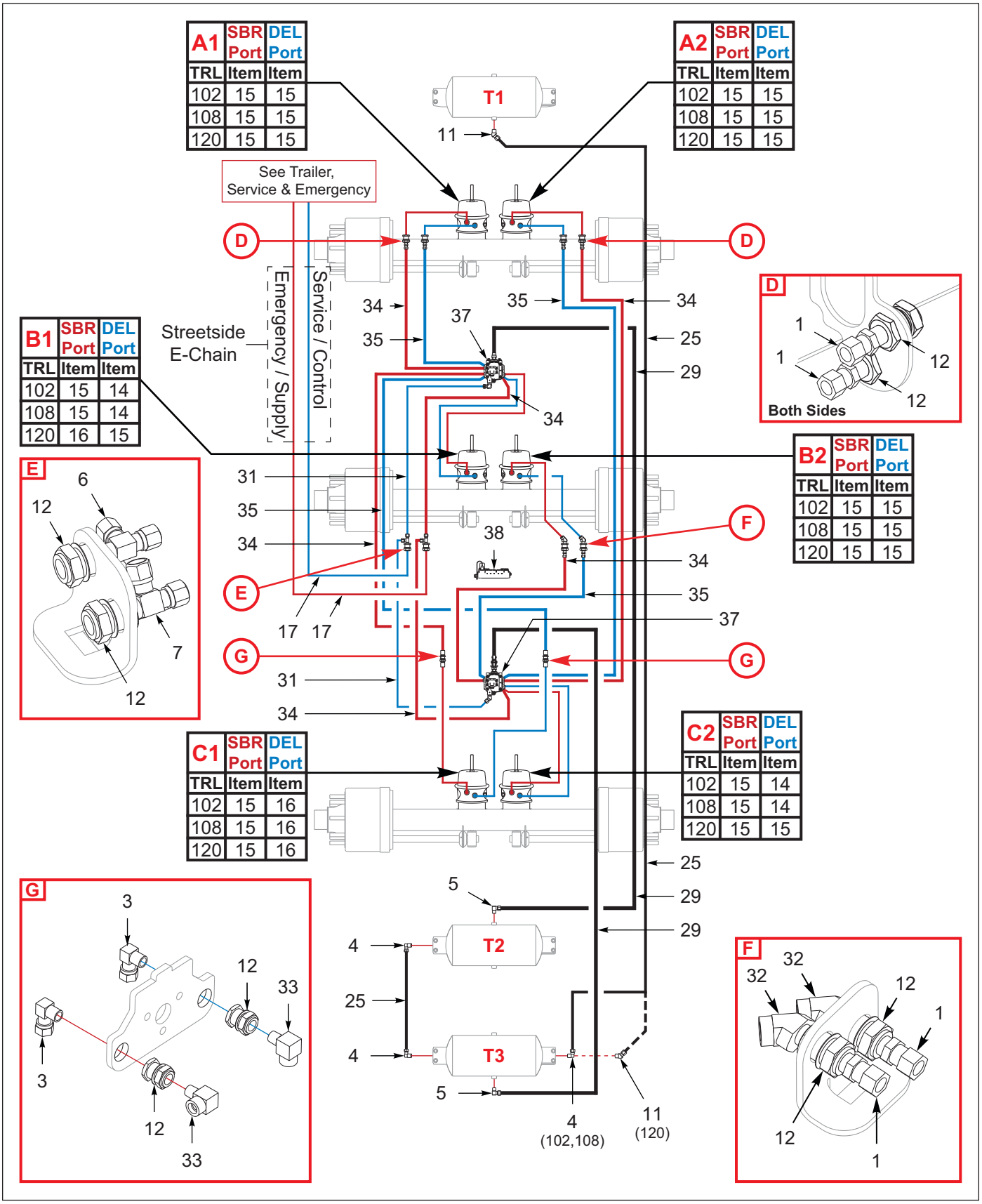
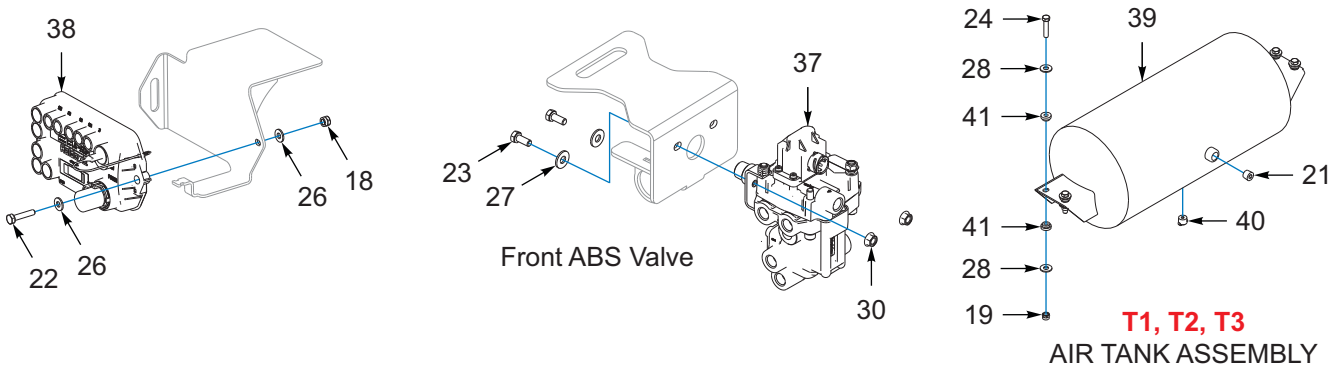
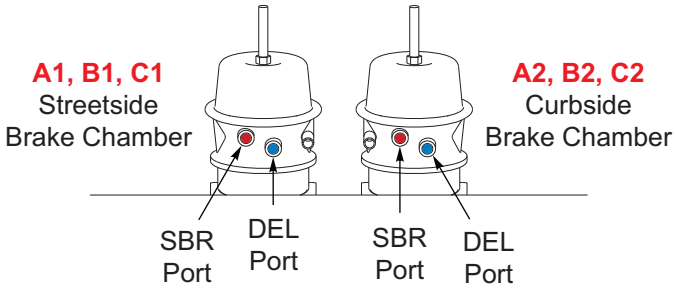


Figure 8-25: ABS, 3 Axle, Drum, Haldex (After 12/01/2025) (1 of 2)



NOTE: Max Torque on Haldex Valve Plastic Ports 210 in-lbs (17.5ft-lbs).



NOTE:
Colors Diplay Routing Only.
Tube Color Listed in Parts Table.

Emergency / Supply / Spring Brake Release:
Black, Red

Service / Control / Delivery:
Blue

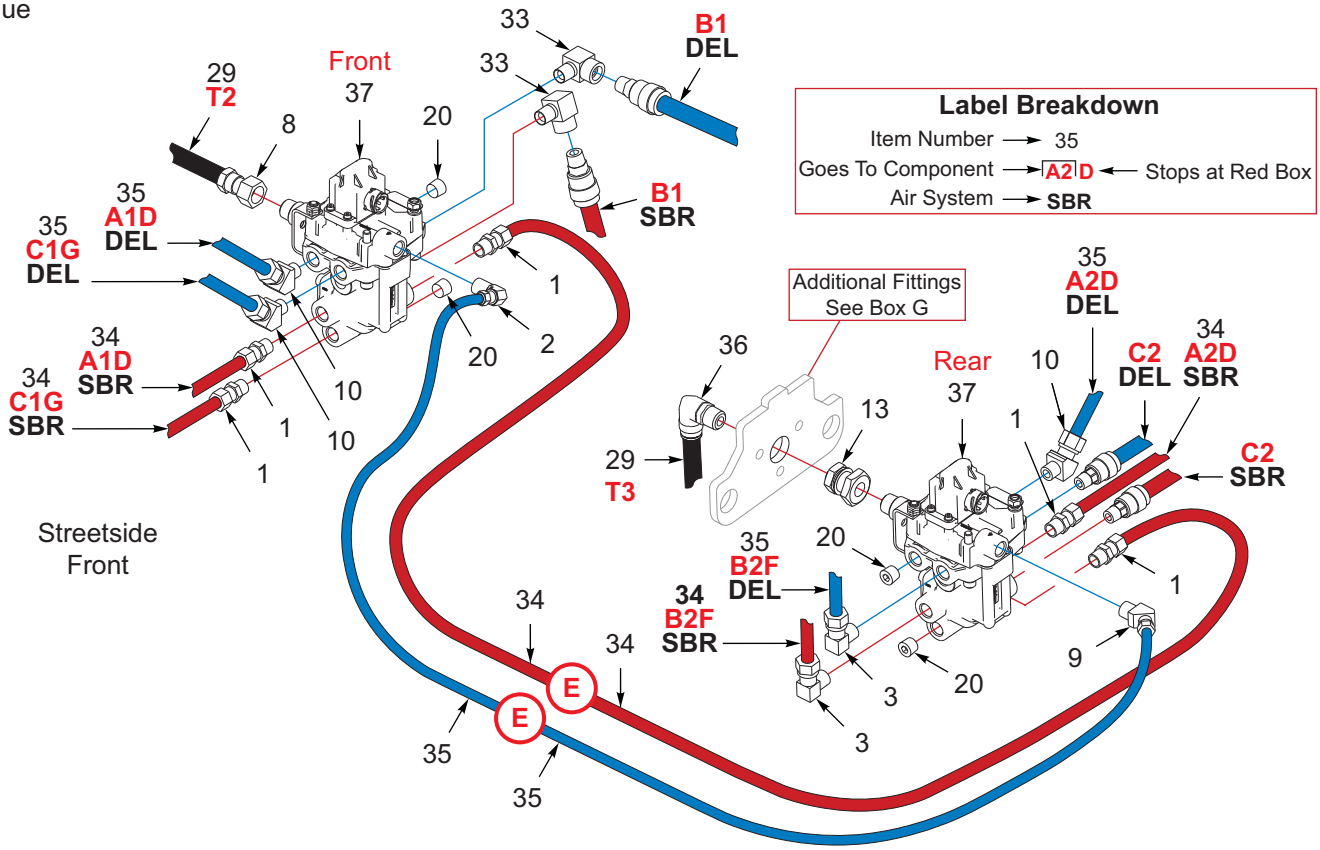


Figure 8-26: ABS, 3 Axle, Drum, Haldex (After 12/01/2025) (2 of 2)

ABS, 3 Axle, Drum, Haldex (After 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	250701	SUSP 455B SB / BB DRUM HLDX **(102 / 108, STD / CA MODELS)**	- -
	250711	SUSP 455B 120 DRUM HLDX **(120 SB / BB MODELS)**	- -
1	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	11
2	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
3	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	4
4	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT **(102, 108, REQ 3) (120, REQ 2)**	- -
5	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
6	1-297-010011-05	FITTING,AIR,M/RUN TEE 3/8-3/8	1
7	1-297-010011-06	FITTING,AIR,M/RUN TEE 1/2-3/8	1
8	1-297-010012-18	FITTING,AIR,FEM CONN5/8T-1/2P	1
9	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P	1
10	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P	3
11	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB **(102, 108, REQ 1) (120, REQ 2)**	- -
12	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	10
13	1-297-010022-04	FITTING,AIR,ANCHR CPLG,1/2NPT	1
14	1-384-010038018	HOSE ASM AIR 3/8X18,W/3/8 END **(102, 108)**	2
15	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END **(102, 108, REQ 9) (120, REQ 10)**	- -
16	240150	HOSE ASM AIR 3/8X28, W/3/8 END **(102, 108, REQ 1) (120, REQ 2)**	- -
17	100948	HOSE ASM AIR 3/8X174 W/3/8 END **(102, 108, 120)**	2
18	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	1
19	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(PER AIR TANK)**	4
20	1-560-010002-03	PLUG, PIPE, 3/8NPTF	4
21	1-560-010002-04	PLUG, PIPE, 1/2NPT **(PER AIR TANK)**	2
22	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	1
23	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	2
24	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5 **(PER AIR TANK)**	4
25	1-833-010003	TUBING NYLON 1/2 OD **(BLACK, BY THE FOOT) (102, 108, REQ 17) (120, REQ 19)**	- -
26	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD	2
27	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
28	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(PER AIR TANK)**	8
29	117304	TUBING NYLON 5/8 **(BLACK, BY THE FOOT) (102, 108, REQ 22) (120, REQ 25)**	- -
30	126561	NUT,FLG HD,SERRATED,5/16-18ZP	2
31	184442	TUBING 3/8 BLUE **(BLUE, BY THE FOOT) (102, 108, REQ 8) (120, REQ 10)**	- -
32	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	2
33	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	4
34	236560	TUBING AIR 1/2 RED **(RED, BY THE FOOT) (102, 108, REQ 38) (120, REQ 41)**	- -
35	240051	TUBING AIR 1/2 BLUE **(BLUE, BY THE FOOT) (102, 108, REQ 26) (120, REQ 28)**	- -
36	253300	FIT AIR 5/8T X 1/2NPT 90 BRASS	1
37	239691	ABS VALVE FFABS 2 SER/4SPG BK **(ELECTRICAL SYSTEM - SEE PAGE 9-17)**	2
38	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED) (ELECTRICAL SYSTEM - SEE PAGE 9-17)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
39	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
40	56D4	COCK,DRAIN AIR TANK VEL036019 **(PER AIR TANK)**	1
41	805-2	BUSHINGS, STEP **(PER AIR TANK)**	8

ABS, 3 Axle, Drum, Aqua (Option) (Before 03/10/2023)

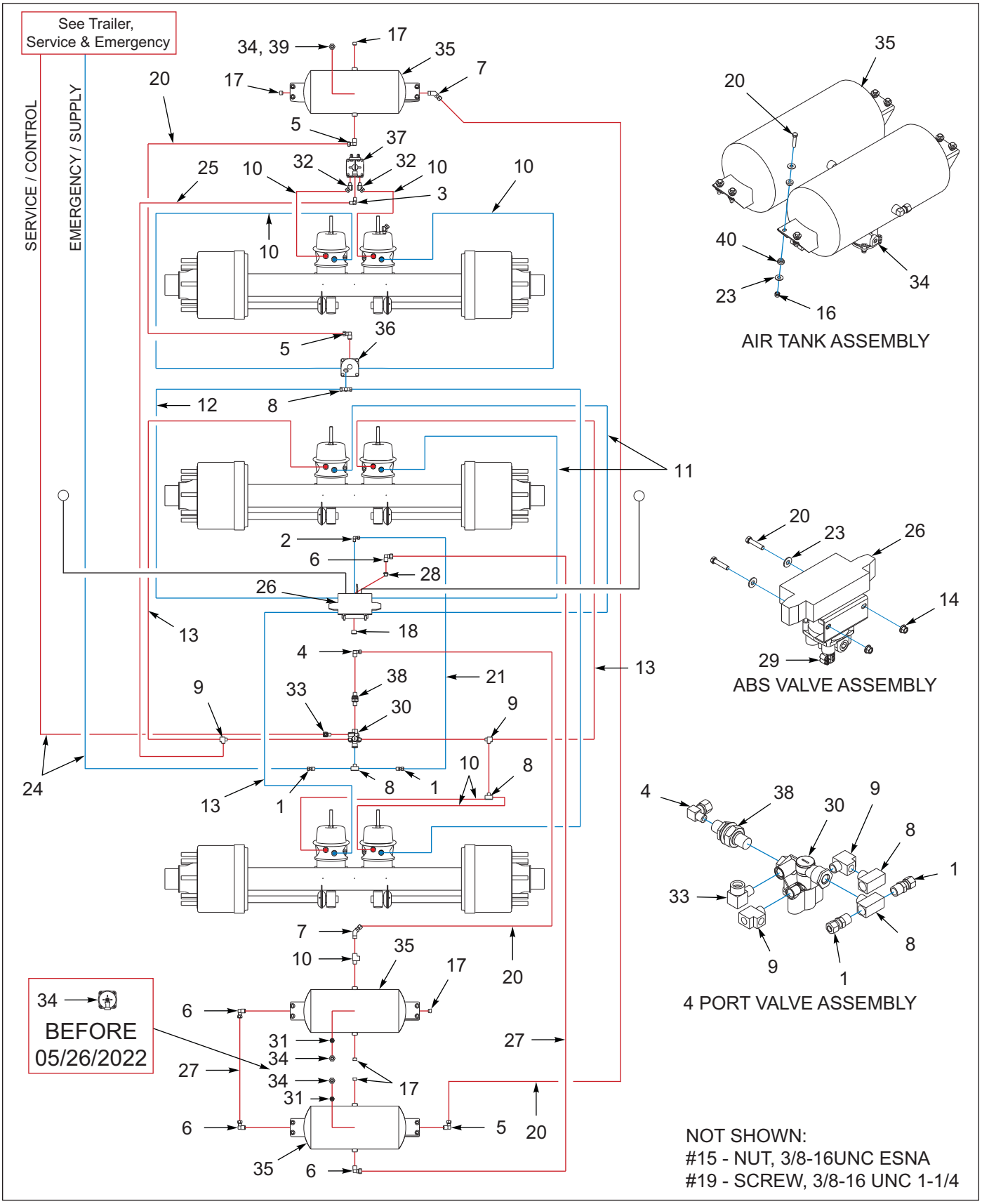


Figure 8-27: ABS, 3 Axle, Drum, Aqua (Option) (Before 03/10/2023)

ABS, 3 Axle, Drum, Aqua (Option) (Before 03/10/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	216223	SUSP 455B-CA-102 SB AQUA	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	2
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
3	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
4	1-297-010008-22	FITTING,1/2T-1/4P,AIR 90	1
5	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	2
6	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	4
7	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB	2
8	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	3
9	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	2
10	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	6
11	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	2
12	1-384-010038060	HOSE ASM AIR 3/8X60,W/3/8 END	1
13	1-384-010038076	HOSE ASM AIR 3/8X76,W/3/8 END	3
14	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	2
15	1-512-010003-14	NUT 3/8-16UNC ESNA **(NOT SHOWN)**	2
16	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	12
17	1-560-010002-04	PLUG, PIPE, 1/2NPT	5
18	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
19	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4 **(NOT SHOWN)**	2
20	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	14
21	1-833-010002	TUBING NYLON 3/8 OD **(BY THE FOOT)**	10
22	1-833-010003	TUBING NYLON 1/2 OD **(BY THE FOOT)**	21
23	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	26
24	100949	HOSE ASM AIR 3/8X222 W/3/8 END	2
25	107956	HOSE ASM AIR 3/8X136,W/3/8 END	1
26	114585	ABS KIT WABCO 2S/1M SGL **(ELECTRICAL - SEE PAGE 9-11)**	1
27	117304	TUBING NYLON 5/8 **(BY THE FOOT)**	7
28	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
29	174143	KIT,SNORKEL 2S/1M ABS VALVE	1
30	174241	VALVE, 4 PORT, ABS	1
31	1/2X3/8BUSH	BUSHING 1/2X3/8 BLACK IRON	2
32	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT **(ADDED AFTER 12/29/2020)**	1
33	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1
34	215498	AUTO RESERVOIR DRAIN VALVE **(BEFORE 05/26/2022)**	- -
34	757-363	VALVE CABLE PULL DRAIN **(AFTER 05/26/2022)**	3
35	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
36	3-843-010005	VALVE,RELAY 2PORT THIRD AXLE	1
37	3-843-010038	VALVE,AIR RELAY FAST AIR BAL	1
38	55B61	FRAME UNION	1
39	56D4	COCK,DRAIN AIR TANK VEL036019 **(BEFORE 05/26/2022) (AFTER REPLACED BY 757-363, ITEM 34)**	1
40	805-2	BUSHINGS, STEP	24

ABS, 3 Axle, Drum, Aqua (Option) (03/10/2023 To 06/12/2023)

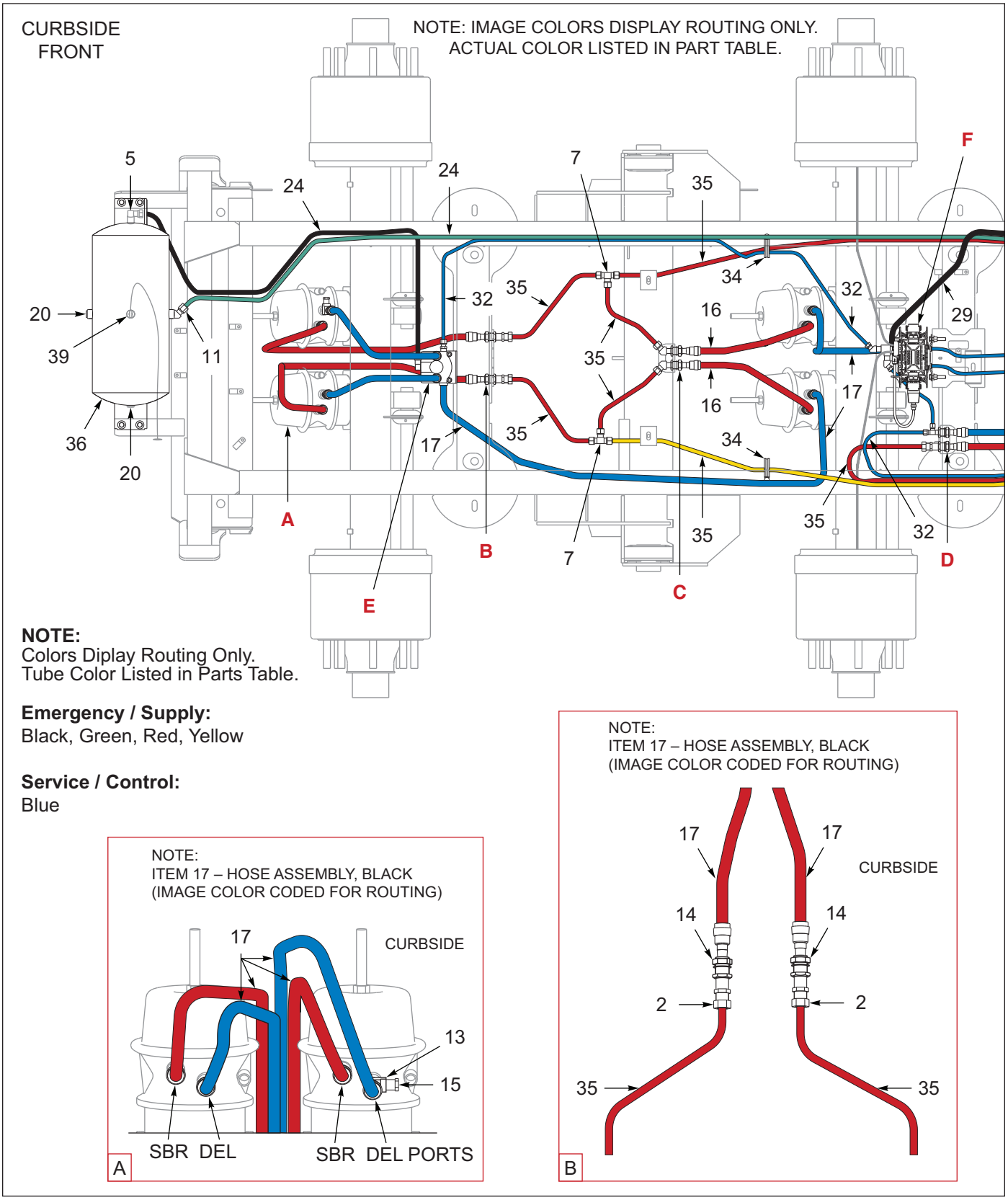


Figure 8-28: ABS, 3 Axle, Drum, Aqua (Option) (03/10/2023 To 06/12/2023) (1 of 3)

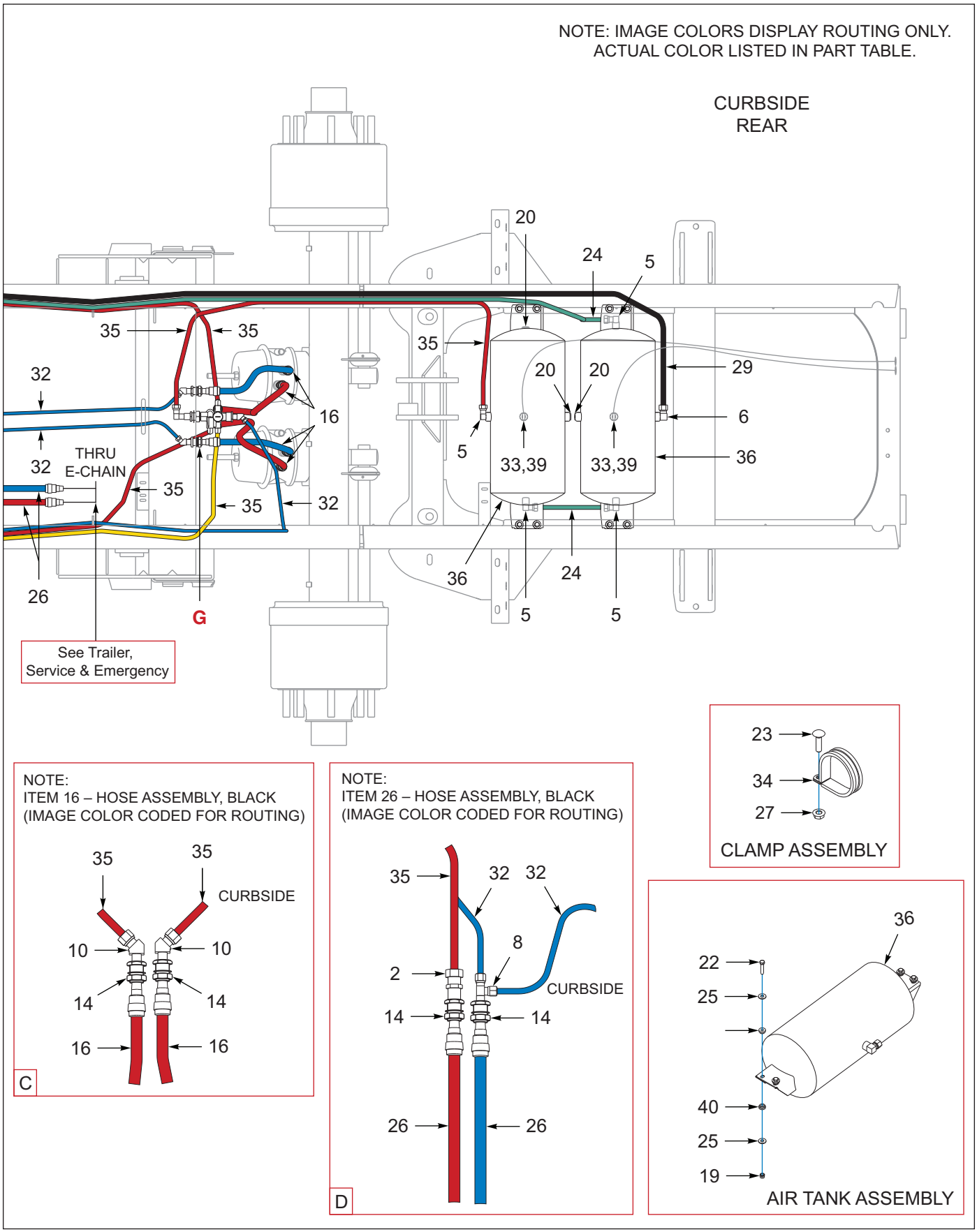
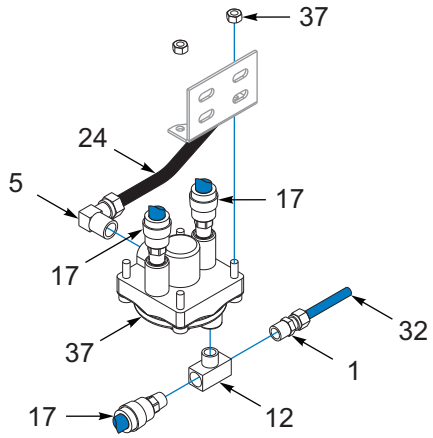
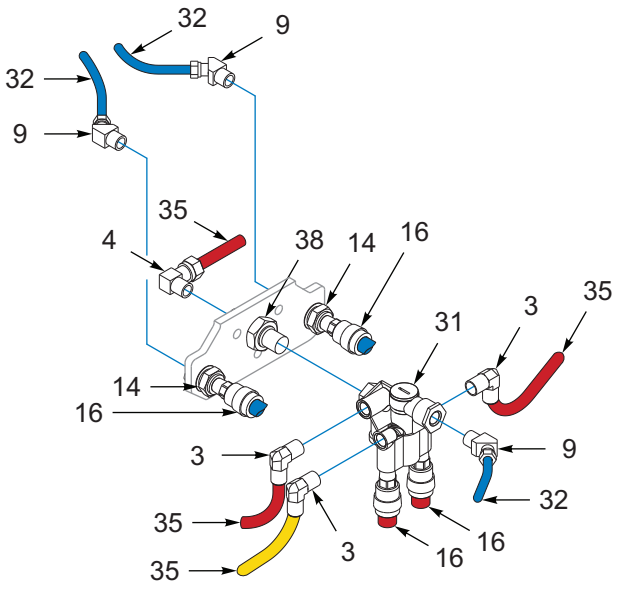


Figure 8-29: ABS, 3 Axle, Drum, Aqua (Option) (03/10/2023 To 06/12/2023) (2 of 3)



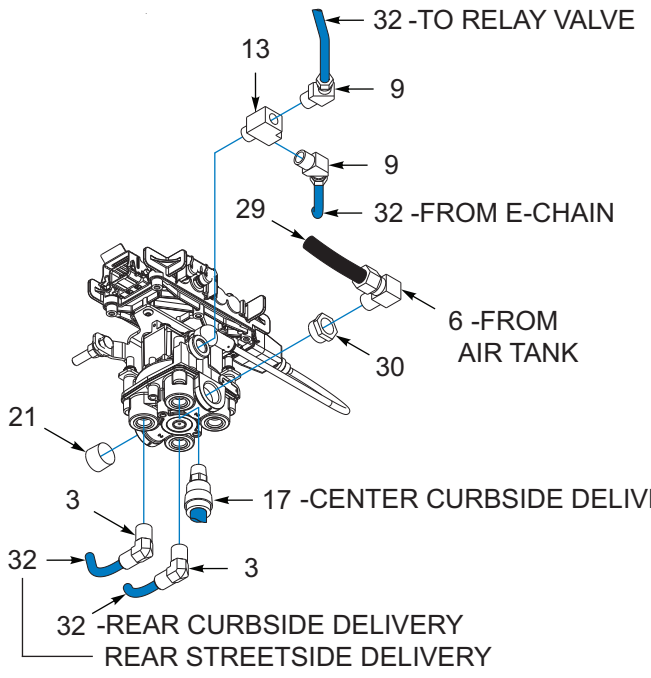
RELAY VALVE
REAR STREETSIDE VIEW

E



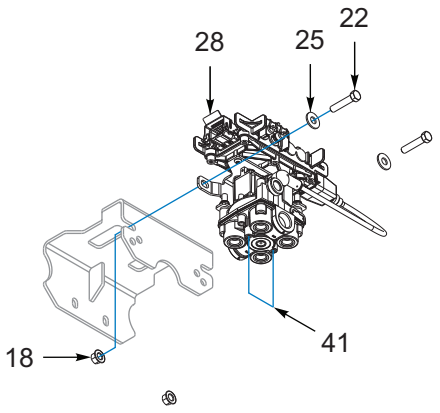
4 PORT VALVE
REAR STREETSIDE VIEW

F



ECU VALVE
FRONT CURBSIDE VIEW

G



NOT SHOWN:
41 - KIT, SNORKEL
42 - SCREW, HEX
43 - CLAMP, HOSE
44 - VENT GUIDE
45 - FITTING, FLNG
46 - MUFFLER (BREATHER)
47 - FITTING, BARB
48 - AIR HOSE, 1/2 INCH

Figure 8-30: ABS, 3 Axle, Drum, Aqua (Option) (03/10/2023 To 06/12/2023) (3 of 3)

ABS, 3 Axle, Drum, Aqua (Option) (03/10/2023 To 06/12/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	216223	SUSP 455B-CA-102 SB AQUA	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	3
3	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	5
4	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	1
5	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	6
6	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
7	1-297-010010-06	FITTING,AIR UNION TEE 1/2	2
8	1-297-010011-05	FITTING,AIR,M/RUN TEE 3/8-3/8	1
9	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P	5
10	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P	2
11	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB	1
12	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
13	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	2
14	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	8
15	1-297-010033-03	FITTING,BRASS PLUG HEX 3/8NPT	1
16	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	6
17	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	6
18	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	2
19	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	12
20	1-560-010002-04	PLUG, PIPE, 1/2NPT	5
21	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
22	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	14
23	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1	2
24	1-833-010003	TUBING NYLON 1/2 OD **(BLACK - BY THE FOOT)**	23
25	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	26
26	103698	HOSE ASM AIR 3/8X182,W/3/8 END	2
27	108417	NUT SPIRAL 1/4-20HX FG	2
28	114585	ABS KIT WABCO 2S/1M SGL **(ELECTRICAL - SEE PAGE 9-11)**	1
29	117304	TUBING NYLON 5/8 **(BLACK - BY THE FOOT)**	17
30	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
31	174241	VALVE, 4 PORT, ABS	1
32	184442	TUBING 3/8 BLUE **(BLUE - BY THE FOOT)**	29
33	1/2X3/8BUSH	BUSHING 1/2X3/8 BLACK IRON	2
34	202930	CLAMP,PART CUSH ALUM,2	2
35	236560	TUBING AIR 1/2 RED **(RED - BY THE FOOT)**	34
36	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
37	3-843-010005	VALVE,RELAY 2PORT THIRD AXLE **(INCLUDES 2 NUTS)**	1
38	55B61	FRAME UNION	1
39	757-363	VALVE CABLE PULL DRAIN	3
40	805-2	BUSHINGS, STEP	24
41	174143	KIT,SNORKEL 2S/1M ABS VALVE **(SPECIAL APPLICATIONS) (INCLUDES ITEMS 43-49)**	1
42	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5 **(INCLUDED WITH ITEM 41)**	2
43	105-0105	CLAMP,HOSE IDEAL 6203 **(INCLUDED WITH ITEM 41)**	2
44	174144	VENTING GUIDE,2S/1M ABS SNORKL **(INCLUDED WITH ITEM 41)**	1
45	174145	FITTING,FLNG,2S/1M ABS VLV SNR **(INCLUDED WITH ITEM 41)**	1

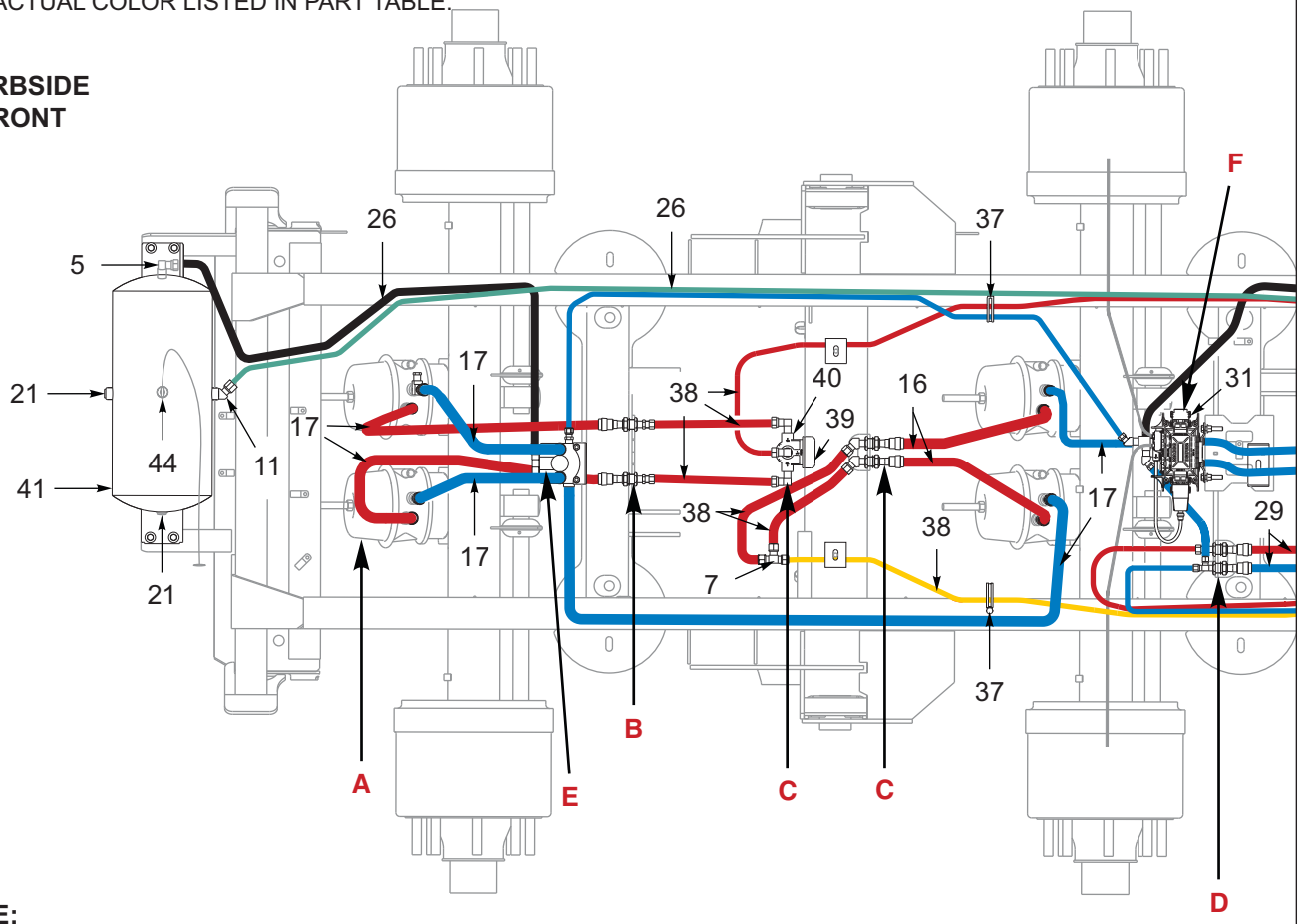
ITEM	PART NUMBER	DESCRIPTION	QTY.
46	186837	PNUEMATIC EXHAUST MUFFLER318MN **(INCLUDED WITH ITEM 41)**	1
47	186838	FITTING 3/8" FNPT HOSE BARB **(INCLUDED WITH ITEM 41)**	1
48	2750-8	HOSE 1/2 AIR BRAKE **(INCLUDED WITH ITEM 41)**	35

Table provided for general use.

NOTES:

ABS, 3 Axle, Drum, Aqua (Option) (After 06/12/2023)

NOTE: IMAGE COLORS DISPLAY ROUTING ONLY.
ACTUAL COLOR LISTED IN PART TABLE.

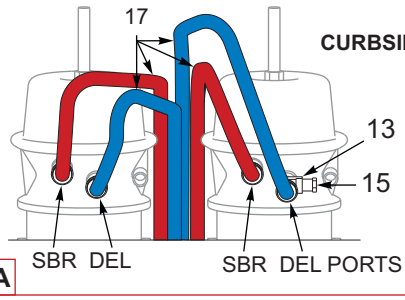


NOTE:
Colors Diplay Routing Only.
Tube Color Listed in Parts Table.

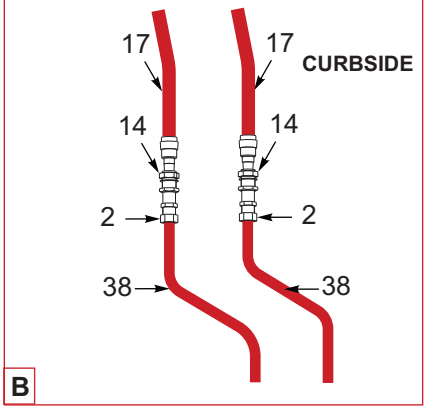
Emergency / Supply:
Black, Green, Red, Yellow

Service / Control:
Blue

NOTE:
ITEM 17 – HOSE ASSEMBLY, BLACK
(IMAGE COLOR CODED FOR ROUTING)



NOTE:
ITEM 17 – HOSE ASSEMBLY, BLACK
(IMAGE COLOR CODED FOR ROUTING)



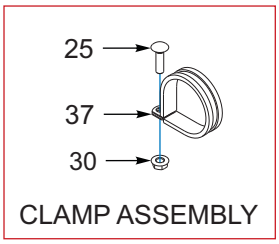


Figure 8-31: ABS, 3 Axle, Drum, Aqua (Option) (After 06/12/2023) (1 of 3)

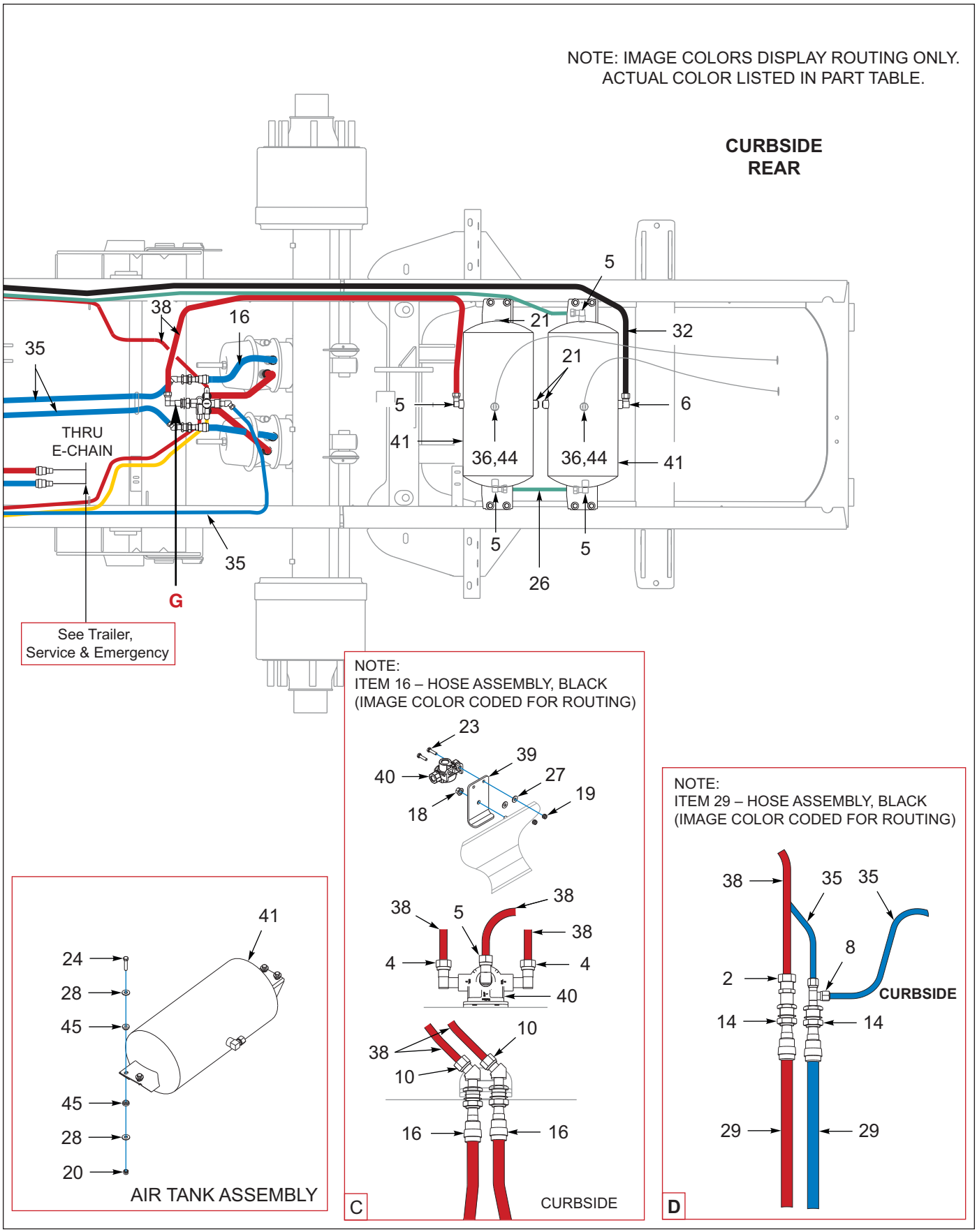
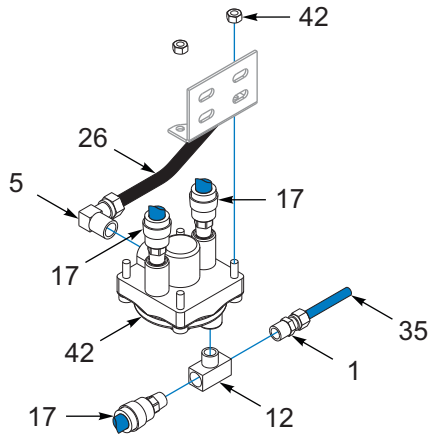
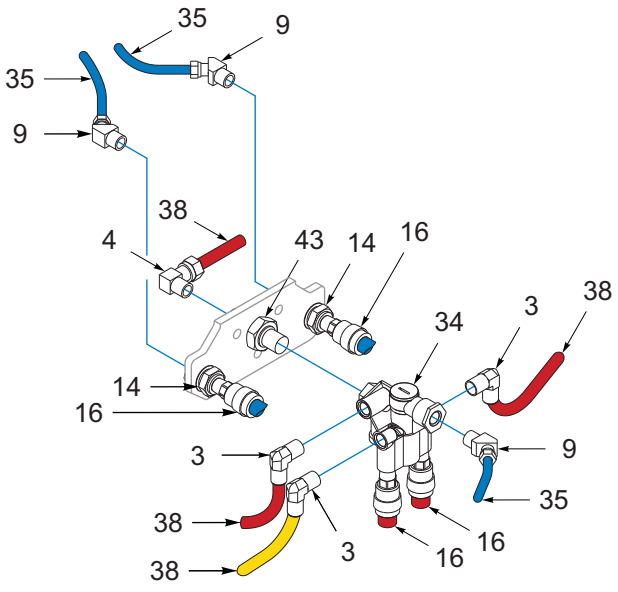


Figure 8-32: ABS, 3 Axle, Drum, Aqua (Option) (After 06/12/2023) (2 of 3)



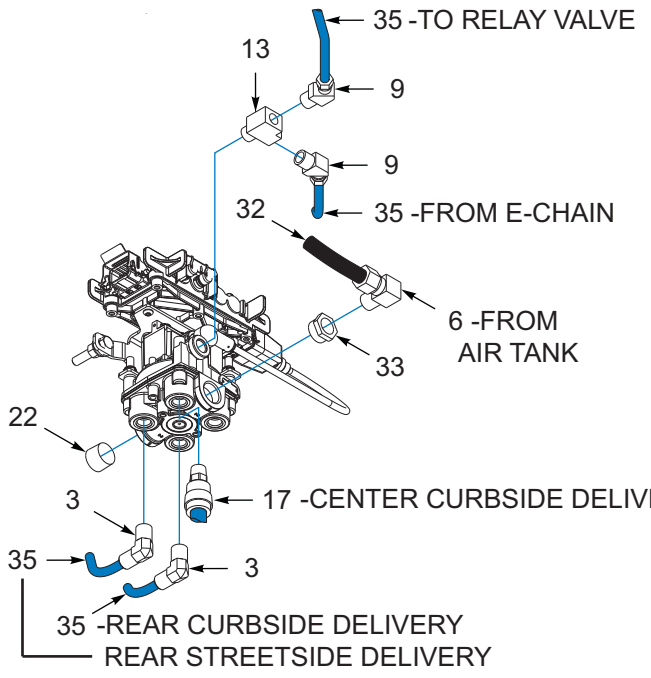
RELAY VALVE
REAR STREETSIDE VIEW

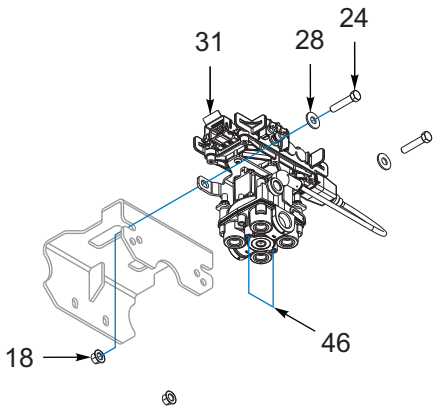
E



4 PORT VALVE
REAR STREETSIDE VIEW

F





NOT SHOWN:
47 - SCREW, HEX
48 - CLAMP, HOSE
49 - VENT GUIDE
50 - FITTING, FLNG
51 - MUFFLER (BREATHER)
52 - FITTING, BARB
53 - AIR HOSE, 1/2 INCH

ECU VALVE
FRONT CURBSIDE VIEW

G

Figure 8-33: ABS, 3 Axle, Drum, Aqua (Option) (After 06/12/2023) (3 of 3)

ABS, 3 Axle, Drum, Aqua (Option) (After 06/12/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	216223	SUSP 455B-CA-102 SB AQUA	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010007-15	FITTING AIR 1/2 TUBE X 3/8NPT	3
3	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	5
4	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	3
5	1-297-010008-24	FITTING,AIR 90 1/2TUBEX1/2NPT	7
6	1-297-010008-26	FITTING AIR 5/8TUBE X1/2NPT90	2
7	1-297-010010-06	FITTING,AIR UNION TEE 1/2	2
8	1-297-010011-05	FITTING,AIR,M/RUN TEE 3/8-3/8	1
9	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P	5
10	1-297-010013-15	FITTING, AIR 45 M/ELB1/2T-3/8P	2
11	1-297-010013-16	FITTING,AIR 1/2X1/2 45 M/ELB	1
12	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
13	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	2
14	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	8
15	1-297-010033-03	FITTING,BRASS PLUG HEX 3/8NPT	1
16	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	6
17	1-384-010038038	HOSE ASM AIR 3/8X38,W/3/8 END	6
18	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G **(BEFORE 07/21/2023, QTY 2)**	3
19	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(AFTER 07/21/2023)**	2
20	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	12
21	1-560-010002-04	PLUG, PIPE, 1/2NPT	5
22	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
23	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5 **(AFTER 07/21/2023)**	2
24	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	14
25	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1	2
26	1-833-010003	TUBING NYLON 1/2 OD **(BLACK - BY THE FOOT)**	23
27	1-861-010032-07	WASHER,FLAT 1/4 ZP **(AFTER 07/21/2023)**	2
28	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	26
29	100948	HOSE ASM AIR 3/8X174 W/3/8 END	2
30	108417	NUT SPIRAL 1/4-20HX FG	2
31	114585	ABS KIT WABCO 2S/1M SGL **(ELECTRICAL - SEE PAGE 9-11)**	1
32	117304	TUBING NYLON 5/8 **(BLACK - BY THE FOOT)**	17
33	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
34	174241	VALVE, 4 PORT, ABS	1
35	184442	TUBING 3/8 BLUE **(BLUE - BY THE FOOT)**	23
36	1/2X3/8BUSH	BUSHING 1/2X3/8 BLACK IRON	2
37	202930	CLAMP,PART CUSH ALUM,2	2
38	236560	TUBING AIR 1/2 RED **(RED - BY THE FOOT)**	36
39	242506	BRKT QUICK RELEASE VLV 400 U/C	1
40	245976	QR VALVE 1/2NPT-3/8NPT HLDX	1
41	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
42	3-843-010005	VALVE,RELAY 2PORT THIRD AXLE **(INCLUDES 2 NUTS)**	1
43	55B61	FRAME UNION	1
44	757-363	VALVE CABLE PULL DRAIN	3
45	805-2	BUSHINGS, STEP	24
46	174143	KIT,SNORKEL 2S/1M ABS VALVE **(SPECIAL APPLICATIONS) (INCLUDES ITEMS 43-49)**	1
47	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5 **(INCLUDED WITH ITEM 46)**	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
48	105-0105	CLAMP,HOSE IDEAL 6203 **(INCLUDED WITH ITEM 46)**	2
49	174144	VENTING GUIDE,2S/1M ABS SNORKL **(INCLUDED WITH ITEM 46)**	1
50	174145	FITTING,FLNG,2S/1M ABS VLV SNR **(INCLUDED WITH ITEM 46)**	1
51	186837	PNUEMATIC EXHAUST MUFFLER318MN **(INCLUDED WITH ITEM 46)**	1
52	186838	FITTING 3/8" FNPT HOSE BARB **(INCLUDED WITH ITEM 46)**	1
53	2750-8	HOSE 1/2 AIR BRAKE **(INCLUDED WITH ITEM 46)**	35

Table provided for general use.

NOTES:

Latch Lock, 2 Axle Spread (Option)

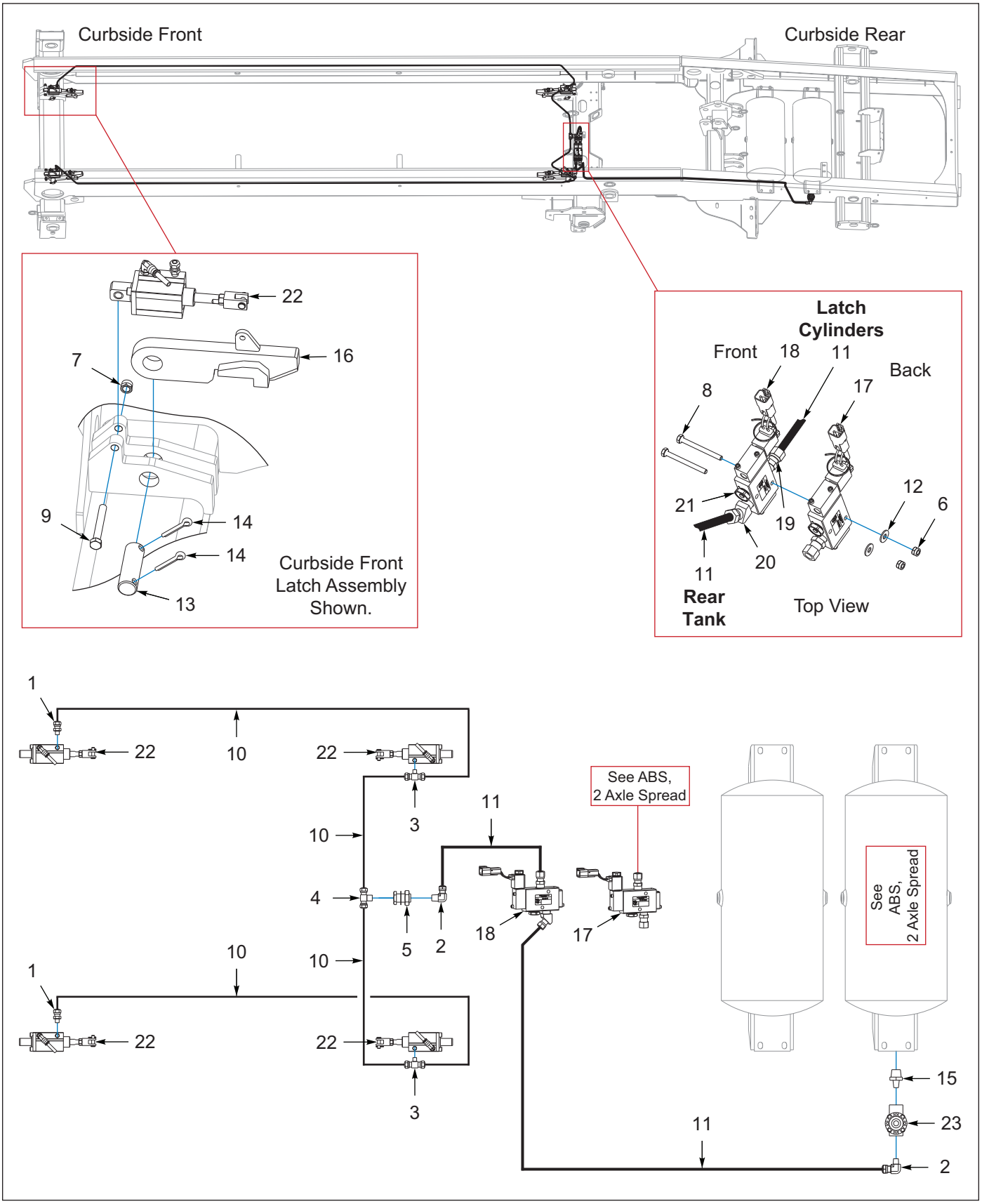
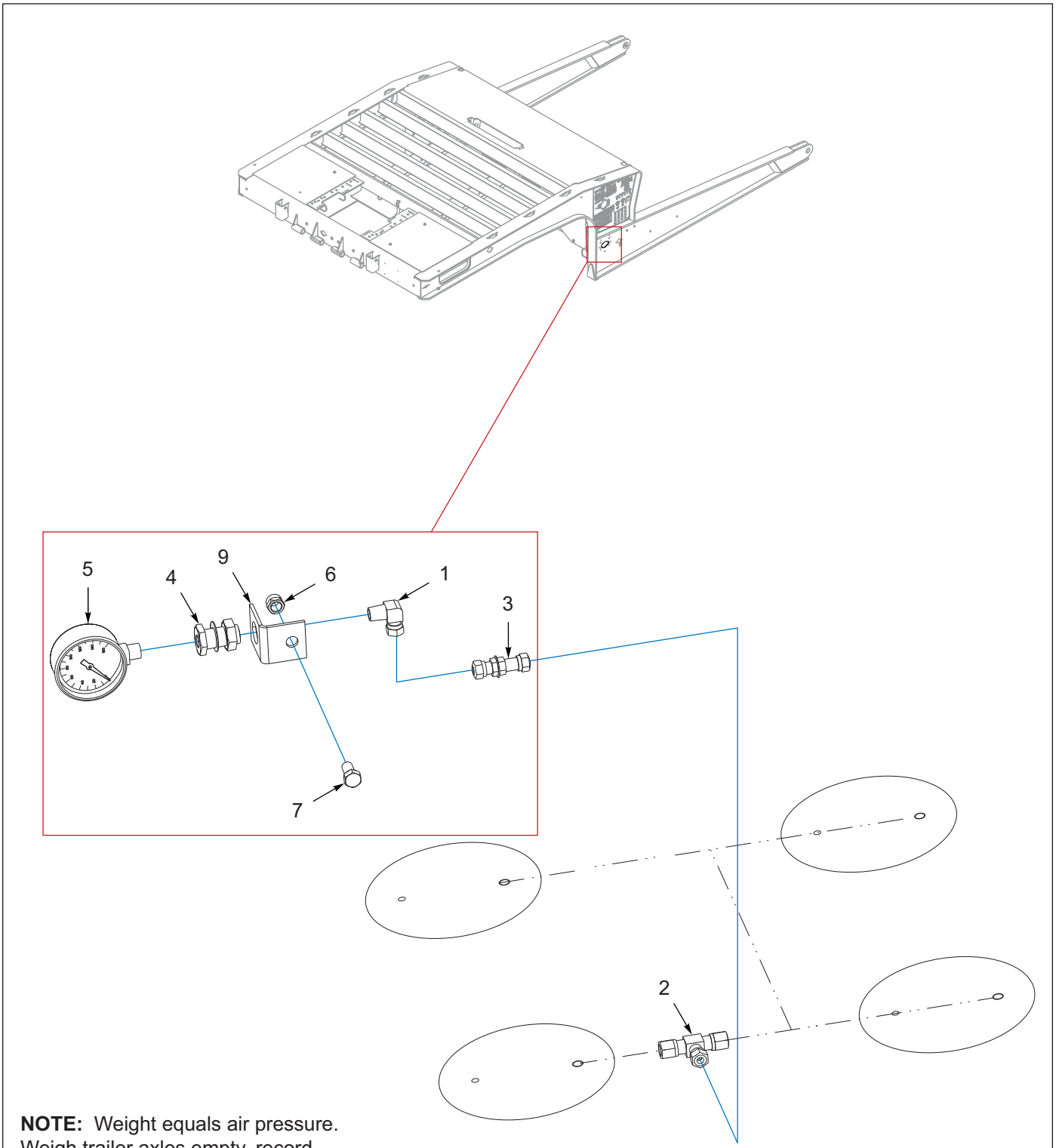


Figure 8-34: Latch Lock, 2 Axle Spread (Option)

Latch Lock, 2 Axle Spread (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252523	SUSP 440 SLDR 50-121 HLDX **(DRUM)**	- -
	252553	SUSP 440 SLDR 50-121 DSC **(DISC)**	- -
1	1-297-010007-04	FITTING, AIR, 1/4TUBEX1/8NPT	2
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	2
3	1-297-010015-02	FITTING,AIR,BR TEE 1/4T-1/8P	2
4	1-297-010015-03	FITTING,AIR,BR TEE 1/4T-1/4P	1
5	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
6	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	4
7	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	4
8	1-654-010047-13	SCREW HX CP 1/4-20UNCX2-3/4G5	2
9	1-654-010051-12	SCREW,HEX CAP,3/8-16UNCX2-3/4	4
10	1-833-010001	TUBING NYLON 1/4 OD **(BLACK, BY THE FOOT)**	26
11	1-833-010002	TUBING NYLON 3/8 OD **(BLACK, BY THE FOOT)**	8
12	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
13	116442	PIN 1 X 3-1/8	4
14	119084	PIN,COTTER 1/4X1-1/4 ZP	8
15	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	2
16	252541	LATCH WLDMT,SLIDER U/C	4
17	252544	VALVE ASSY, PNEUMATIC 3/2 NO **(FRONT BRAKE SOLENOID VALVE)** **(AIR SYSTEM - SEE PAGE 8-19)** **(ELECTRICAL SYSTEM - SEE PAGE 9-21)**	1
18	252545	VALVE ASSY,PNEUMATIC 3/2 NC **(INCLUDES ITEMS 19-21)** **(LATCH LOCK SOLENOID VALVE)** **(ELECTRICAL SYSTEM - SEE PAGE 9-21)**	1
19	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT **(INCLUDED WITH ITEM 18)**	1
20	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P **(INCLUDED WITH ITEM 18)**	1
21	252578	EXHAUST PLUG 3/8NPT **(INCLUDED WITH ITEM 18)**	1
22	252551	CYLINDER,AIR 1-1/2BORE X 1STRK	4
23	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1

Scale, Air Pressure Gauge (Option)



NOTE: Weight equals air pressure. Weigh trailer axles empty, record weight and air pressure reading. Continue to weigh trailer axles with different load weights, record weight and air preassure readings for referencing.

Figure 8-35: Scale, Air Pressure Gauge (Option)

Scale, Air Pressure Gauge (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 **(BLACK - BY THE FOOT)**	50
9	3-120-010445	BRACKET,PRESSURE REGULATOR660	1

Scale, Loadmaxx (Option) (Before 03/31/2020)

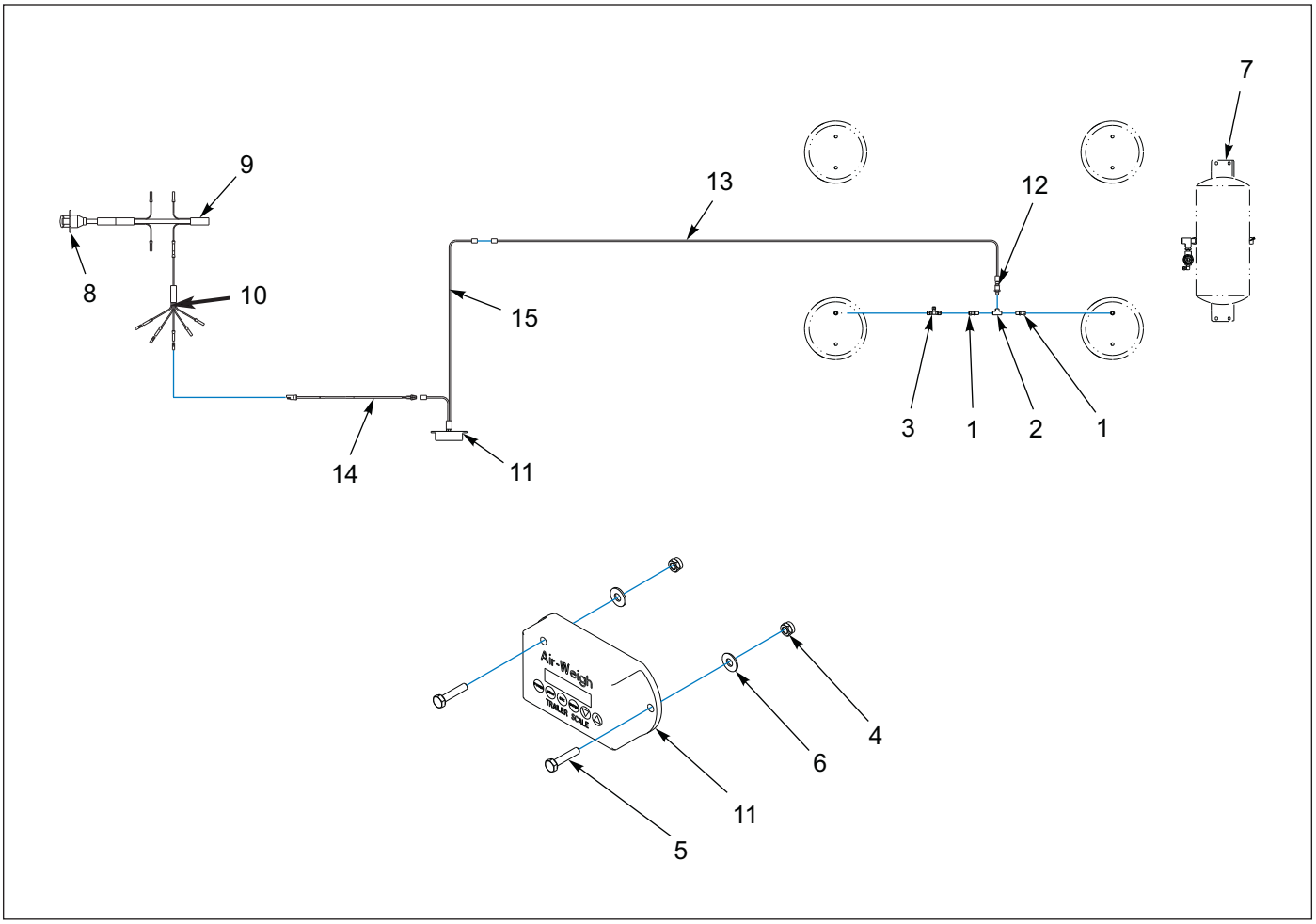


Figure 8-36: Scale, Loadmaxx (Option) (Before 03/31/2020)

Scale, Loadmaxx (Option) (Before 03/31/2020)

ITEM	PART NO.	DESCRIPTION	QTY.
	166821	SCALE INSTALLATION, LOADMAXX SYSTEM **(BEFORE 3/31/2020 - REPLACED BY 226557, 226661)**	- -
1	1-297-010007-11	FITTING AIR	2
2	1-297-010009-02	FITTING, AIR PIPE TEE	1
3	1-297-010010-04	FITTING AIR UNION TEE	- -
4	1-512-010005-01	NUT HEX LOCK 1/4-20 GRB	- -
5	1-654-010047-07	SCREW, HEX HEAD CAP 1/4-20 X 1-1/4 GR5	- -
6	1-861-010032-07	WASHER, FLAT 1/4	- -
7	- - - - -	SUSPENSION, AIR RLU A/R	- -
8	143100	HARNESS, 7 WAY RECEPTACLE	- -
9	143101	HARNESS, FRONT MAIN	- -
10	150093	HARNESS, 5 AUXILIARY BRANCHES	- -
11	172437	SCALE, AIR DIGITAL MODIFIED **(ITEMS 12-15)**	1
12	149543	SENSOR ASSEMBLY, 5V 3/8" BRASS	1
13	184393	HARNESS MODIFIED 166002	1
14	166002	CABLE, AW5800 TRAILER POWER BLUNT CUT 15'	1
15	142895	CABLE, AW5800, TRAILER SCALE INTERFACE 2"	1

Scale, Quickload (Option) (Before 03/31/2020)

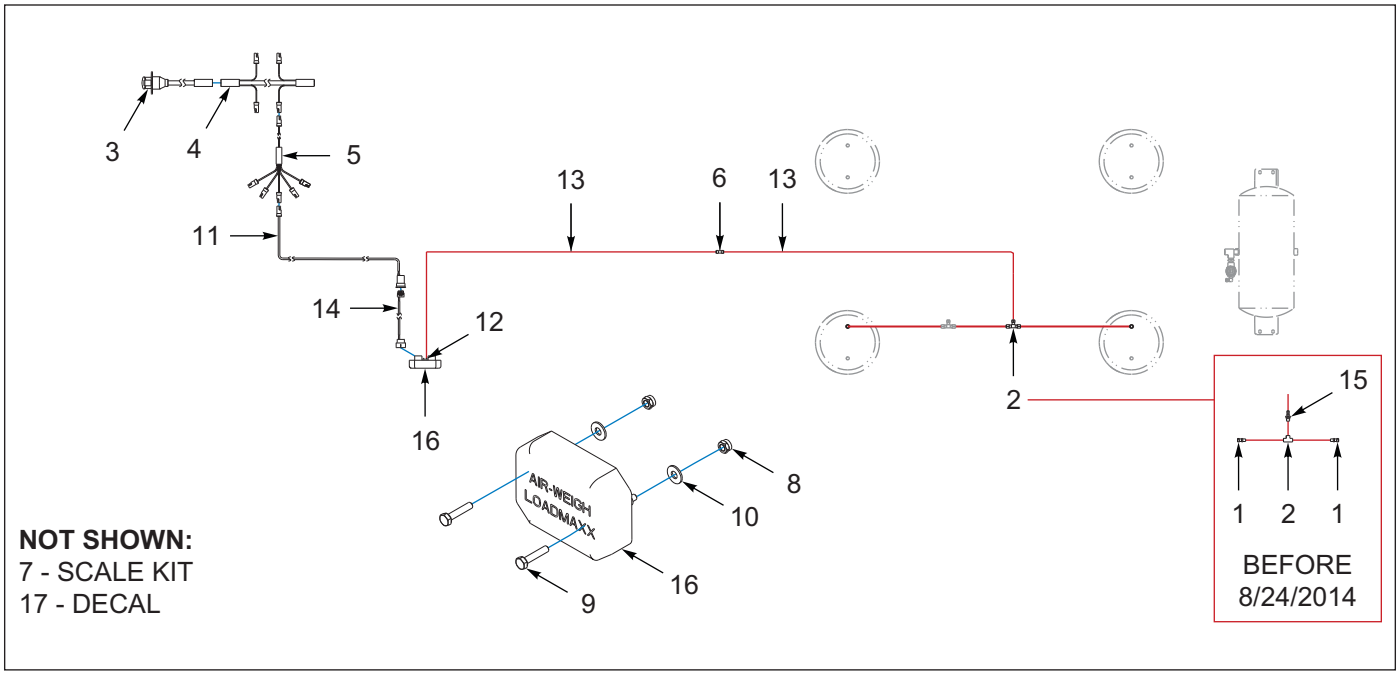


Figure 8-37: Scale, Quickload (Option) (Before 03/31/2020)

Scale, Quickload (Option) (Before 03/31/2020)

ITEM	PART NO.	DESCRIPTION	QTY.
	175358	SCALE INSTL QUICKLOAD(TRAVEL) **(BEFORE 3/31/2020 - 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	143100	HARNESS 7WAY RECP GROTE	1
4	143101	HARNESS FRONT MAIN GROTE	1
5	150093	HARNESS 5 AUX BRANCHES GROTE	1
6	175359	UNION AIR HOSE 1/4 O.D. POLY	1
7	175356	SCALE AIR LOADMAXX OBSOLETE **(BEFORE 02/26/2018)**	1
7	175360	SCALE AIR LOADMAXX (TRAV AXLE) **(AFTER 02/26/2018)** **(INCLUDES ITEMS 9-18)**	1
8	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
9	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	2
10	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
11	175364	CABLE, POWER, GROTE CONN, LM	1
12	175363	SPRING HOSE CLAMP 1/4 OD	1
13	175365	AIR LINE 1/4 OD X 50' AIR-WGH	1
14	184392	HARNESS MOD 175364 ASSY **(BEFORE 1/8/2019)**	1
14	218059	CABLE INTERFACE 18" POWER **(AFTER 1/8/2019)**	1
15	180221	HOSE BARB FITTING **(BEFORE 1/8/2019)**	1
15	212216	BRASS FITTING 1/4 NPT 1/4 BARB **(AFTER 1/8/2019, REPLACED 180221)**	1
16	175362	TRAILER SCALE QUICKLOAD **(BEFORE 01/01/2017)**	1
16	212215	TRAILER SCALE LOADMAXX **(AFTER 01/01/2017)**	1
17	166924	DECAL AIR-WEIGH TRAILER SCALE **(NOT SHOWN)**	1

Scale, Loadmaxx Plus & Quickload Plus (Options) (After 03/31/2020)

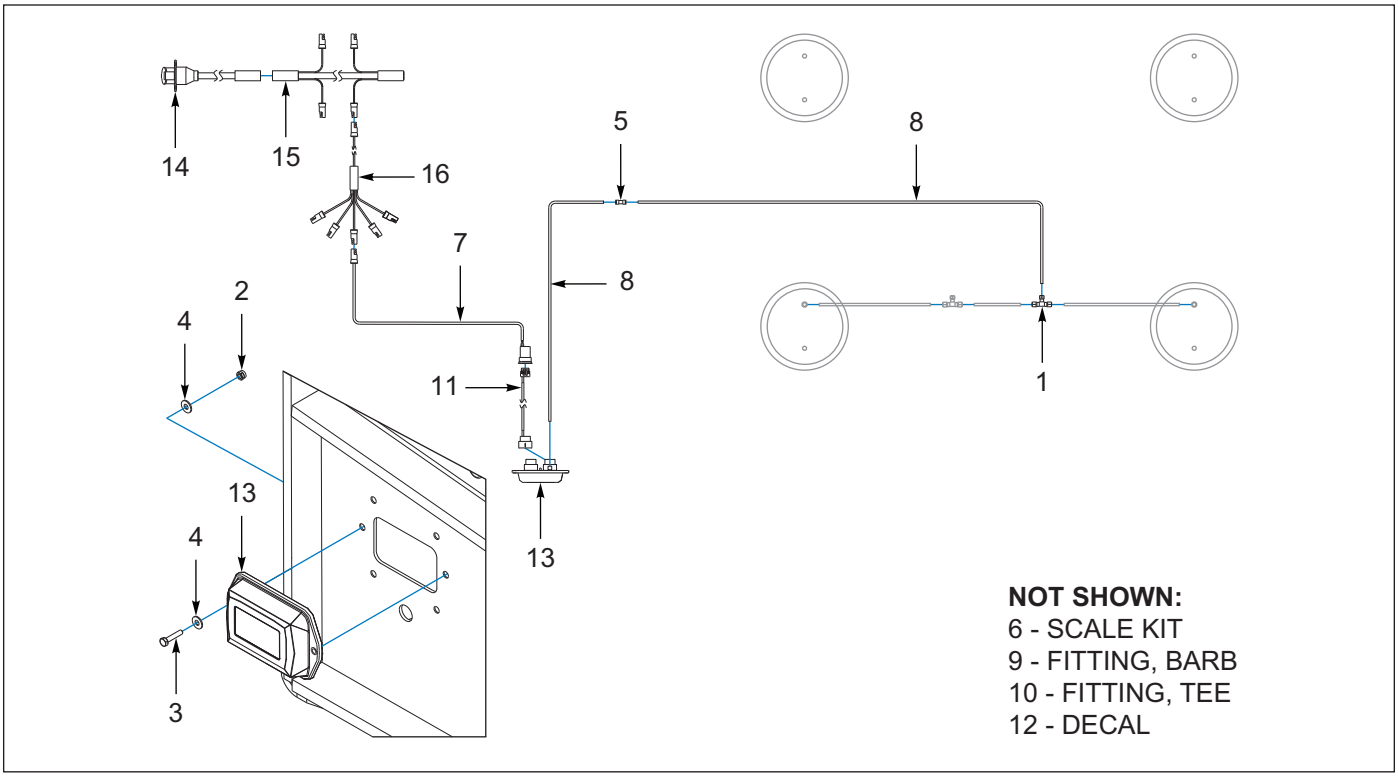


Figure 8-38: Scale, Loadmaxx Plus & Quickload Plus (Options) (AFTER 03/31/2020)

Scale, Loadmaxx Plus & Quickload Plus (Options) (After 03/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	226657	QUICKLOAD PLUS TRAV AX INSTL **(REQUIRES ITEMS 1-6)**	- -
	226661	LOADMAXX PLUS TRAV AX INSTL **(REQUIRES ITEMS 1-6)**	- -
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 **(INCLUDES ITEMS 8-13)**	1
6	226660	LOADMAXX PLUS TRAV AXLE KIT **(INCLUDES ITEMS 8-13)**	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 **(INCLUDED WITH ITEM 6, 226656)**	1
13	226655	LOADMAXX PLUS SCALE MODULE **(INCLUDED WITH ITEM 6, 226660)**	1
14	143100	HARNESS 7WAY RECP GROTE	1
15	143101	HARNESS FRONT MAIN GROTE	1
16	150093	HARNESS 5 AUX BRANCHES GROTE	1

Table provided for general use.

NOTES:

Scale, Right Weigh (Options)

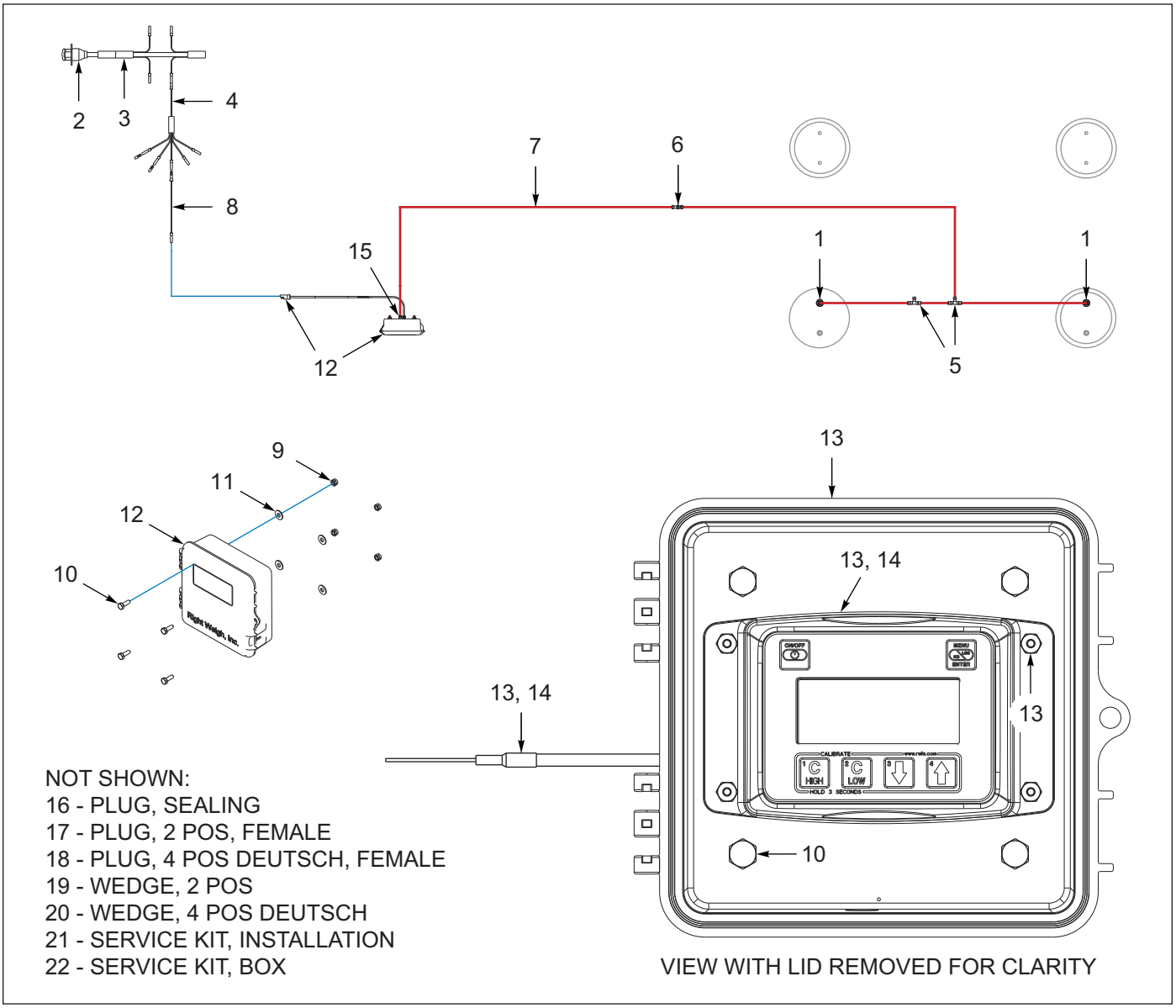


Figure 8-39: Scale, Right Weigh (Options)

Scale, Right Weigh (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	170470	SCALE INSTALLATION, RIGHT WEIGH SYSTEM **(NON-BLUETOOTH) (REQUIRES ITEMS 6-16)**	- -
	205742	SCALE INSTALLATION, RIGHT WEIGH SYSTEM W/ BLUETOOTH **(BLUETOOTH) (REQUIRES ITEMS 6-21)**	- -
1	1-297-010007-11	FITTING AIR	2
2	143100	HARNESS, 7 WAY RECEPTACLE	1
3	143101	HARNESS, FRONT MAIN	1
4	150093	HARNESS, 5 AUXILIARY BRANCHES	1
5	1-297-010010-04	FITTING AIR UNION TEE	2
6	1-297-010014-02	FITTING, AIR	1
7	1-833-010001	TUBING NYLON 1/4 OD **(BLACK - BY THE FOOT)**	45

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

Suspension, Air Ride, 2 Ax, 1/4 in (Before 06/14/2023)

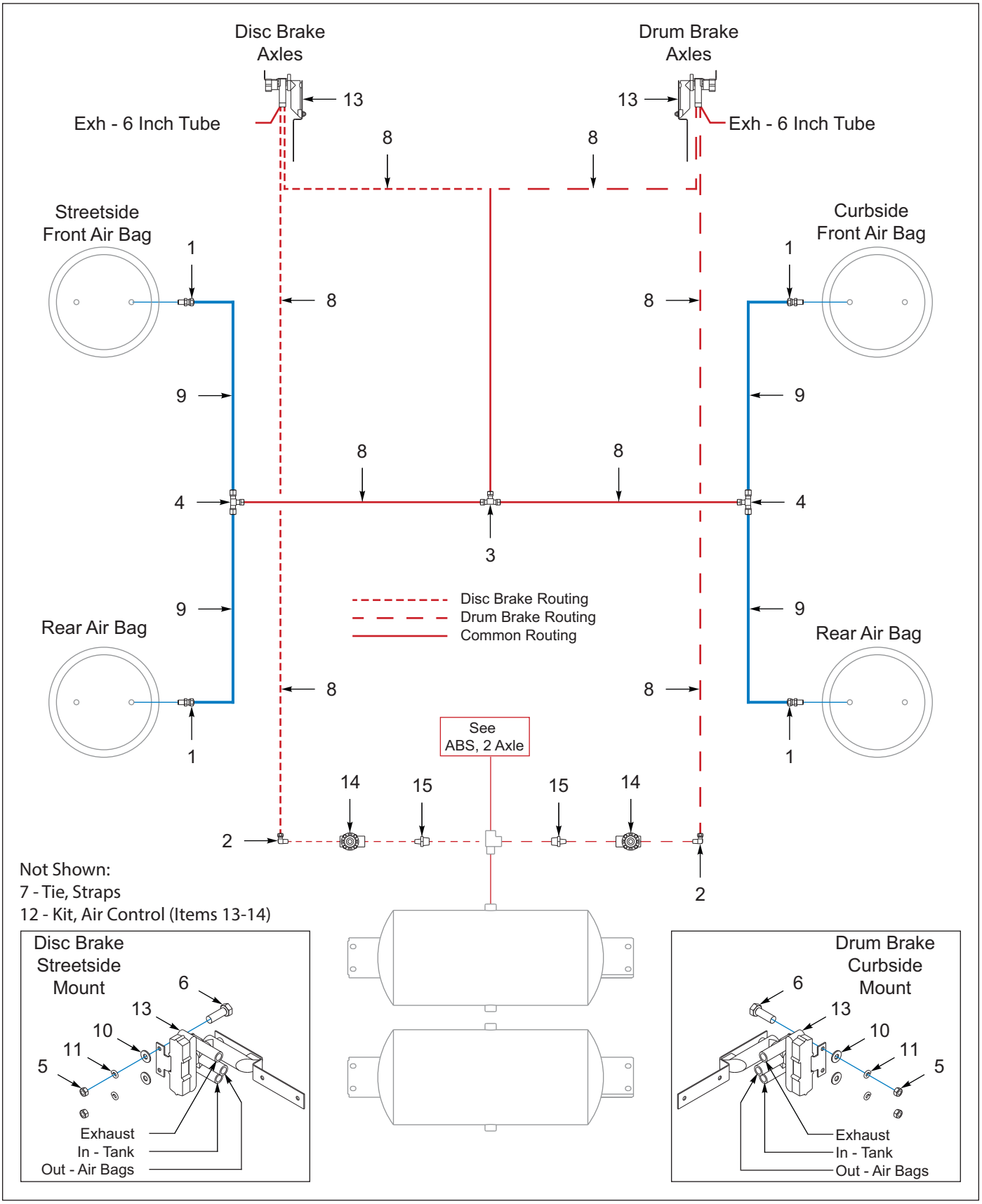


Figure 8-40: Suspension, Air Ride, 2 Ax, 1/4 in (Before 06/14/2023)

Suspension, Air Ride, 2 Ax, 1/4 in (Before 06/14/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	218109	SUSP 440B 102 SB DSC **(SUSP 1 - 102 SB DISC)**	- -
	214413	SUSP 440B 102 2512-70.5 GROTE **(SUSP 2 - 102 SB DRUM)**	- -
	218115	SUSP 440 102CA SB DSC LED **(SUSP 3 - 102 SB DISC CA)**	- -
	214422	SUSP 440B CA 102 2512-70.5 **(SUSP 4 - 102 SB DRUM CA)**	- -
	220634	SUSP 440B 41 102 BB DSC **(SUSP 5 - 102 BB DISC, 41FT)**	- -
	214428	SUSP,440B-41 2516-69 GROTE **(SUSP 6 - 102 BB DRUM. 41FT)**	- -
	220631	SUSP 440B 102 BB DSC **(SUSP 7 - 102 BB DISC)**	- -
	214426	SUSP,440B-102 2516 GROTE **(SUSP 8 - 102 BB DRUM)**	- -
	218117	SUSP 440B-CA 102 BB DSC **(SUSP 9 - 102 BB DISC CA)**	- -
	214424	SUSP 440B-CA-102 BB GROTE **(SUSP 10 - 102 BB DRUM CA)**	- -
	218111	SUSP 440B 108 SB DSC **(SUSP 11 - 108 SB DISC RTAC)**	- -
	214415	SUSP 440B 108 2512-77 RTAC **(SUSP 12 - 108 SB DRUM RTAC)**	- -
	220637	SUSP 440B-CA 108 SB DSC **(SUSP 13 - 108 SB DISC CA)**	- -
	217918	SUSP 440B-50CA 108 **(SUSP 14 - 108 SB DRUM CA)**	- -
	218113	SUSP 440B 108 BB DSC **(SUSP 15 - 108 BB DISC)**	- -
	214417	SUSP 440B108 2516-75 **(SUSP 16 - 108 BB DRUM)**	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	4
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	1
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
4	1-297-010010-04	FITTING,AIR,UN/TEE3/8X3/8X1/4	2
5	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	2
6	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	2
7	1-796-010004-02	TIE, STRAP,PLASTIC .301X13.38	15
8	1-833-010001	TUBING NYLON 1/4 OD **(BLACK - BY THE FOOT)**	25
9	1-833-010002	TUBING NYLON 3/8 OD **(BLACK - BY THE FOOT)**	8
10	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
11	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	2
12	102732	AIR CONTROL KIT **(INCLUDES ITEMS 13-14)** **(COMPONENTS - SEE PAGE 8-97)**	1
13	900 54 007	HEIGHT CONTROL VALVE N **(FOR 1/4" AIR LINE)** **(INCLUDED WITH ITEMS 12)**	1
14	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)** **(INCLUDED WITH ITEM 12)**	1
15	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1

Suspension, Air Ride, 2 Ax, 3/8 in (After 06/14/2023 to 09/01/2024)

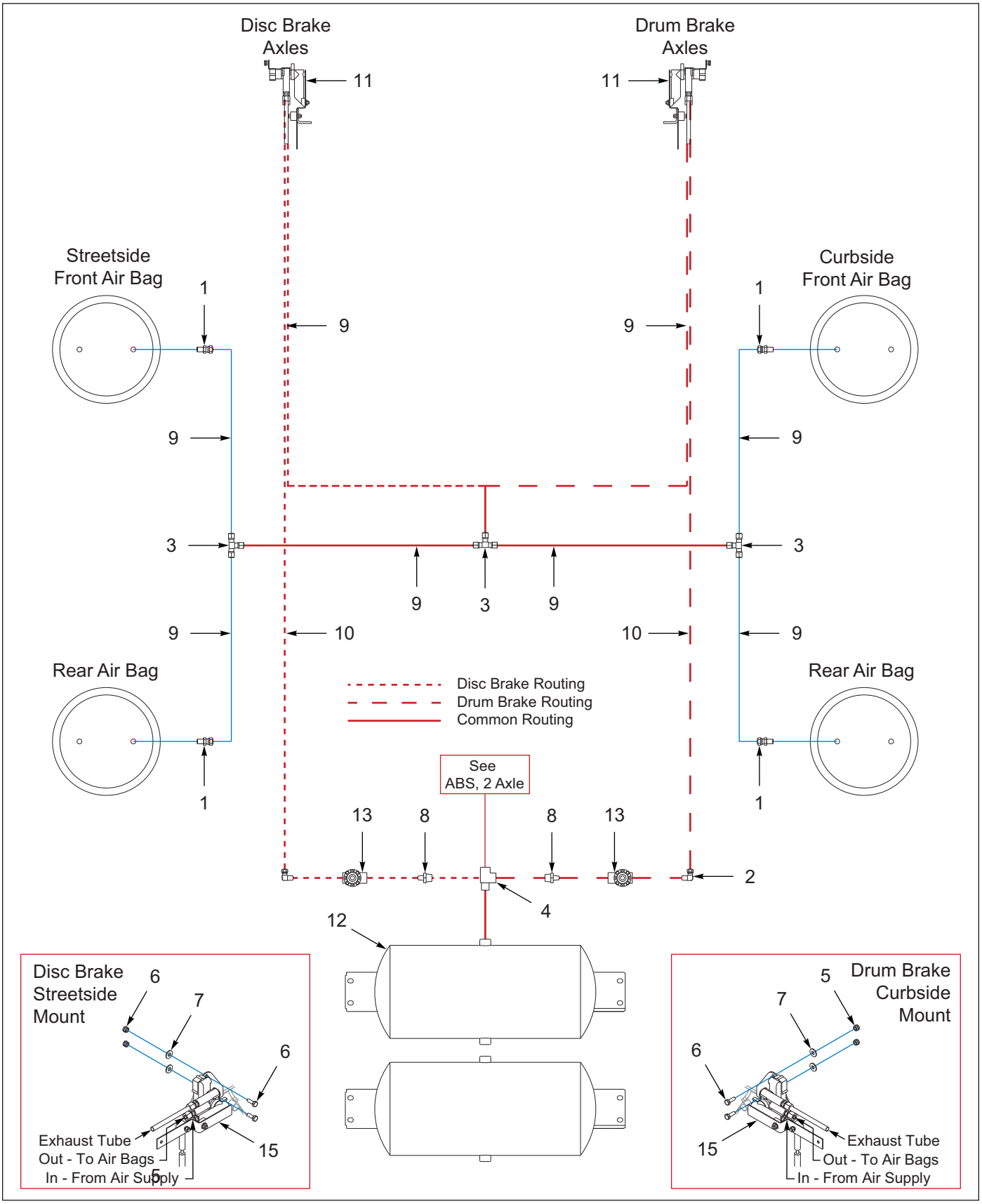


Figure 8-41: Suspension, Air Ride, 2 Ax, 3/8 in (After 06/14/2023 to 09/01/2024)

Suspension, Air Ride, 2 Ax, 3/8 in (After 06/14/2023 to 09/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214413	SUSP 440B 102 2512-70.5 GROTE	- -
	214415	SUSP 440B 108 2512-77 RTAC	- -
	214417	SUSP 440B108 2516-75	- -
	214422	SUSP 440B CA 102 2512-70.5	- -
	214424	SUSP 440B-CA-102 BB GROTE	- -
	214426	SUSP,440B-102 2516 GROTE	- -
	214428	SUSP,440B-41 2516-69 GROTE	- -
	217918	SUSP 440B-50CA 108	- -
1	1-297-010007-11	FITTING,A IR,3/8TUBE TO 1/4NPT	4
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
3	1-297-010010-03	FITTING,AIR, UNION TEE 3/8	3
4	1-297-010018-04	FITTING 1/2 BRASS PIPE ST TEE	1
5	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
6	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	2
7	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
8	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
9	213453	TUBING 3/8 OD DARK GREEN	15
10	240102	TUBING AIR 3/8 ORANGE	8
11	240141	VLVE, AIR RIDE HEIGHT HLDX 3/8 **(INCLUDES ITEMS 18-20)** **(COMPONENTS - SEE PAGE 8-98)**	1
12	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
13	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1

Suspension, Air Ride, 2 Ax, 3/8 in (After 09/01/2024)

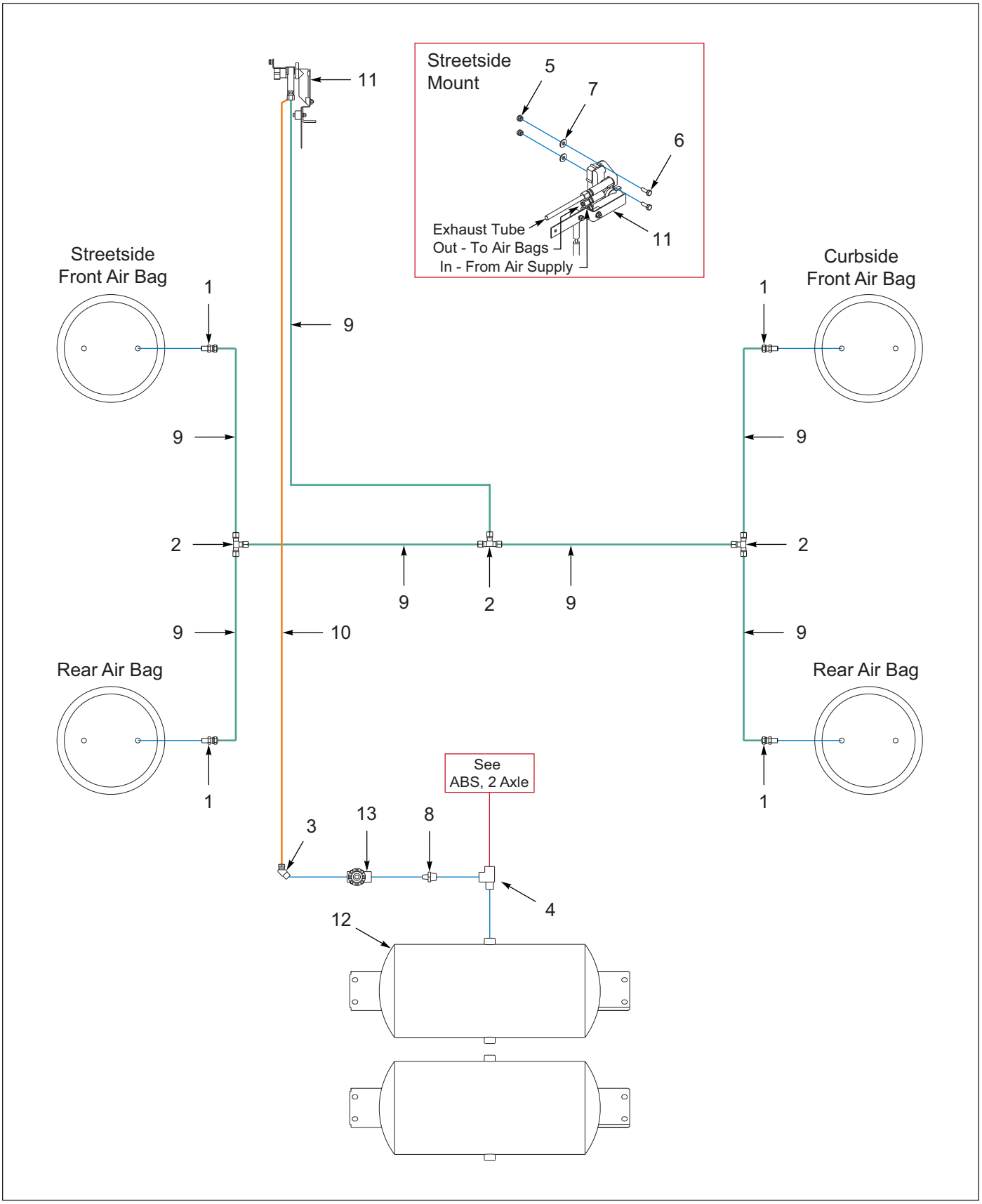
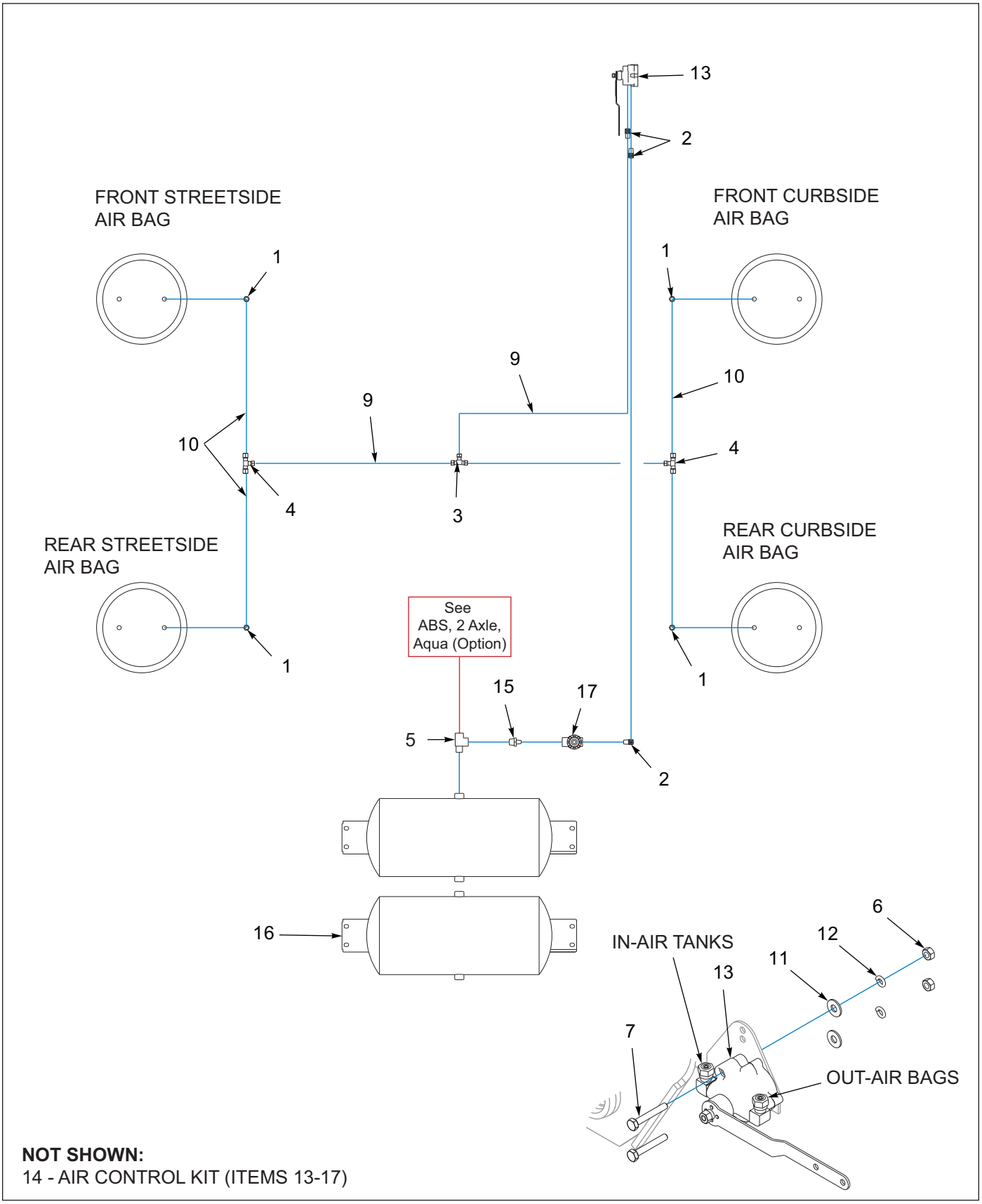


Figure 8-42: Suspension, Air Ride, 2 Ax, 3/8 in (After 09/01/2024)

Suspension, Air Ride, 2 Ax, 3/8 in (After 09/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	249027	SUSP 440B 102 SB HLDX **(102 / 108, STD / CA DRUM BRAKE MODELS)**	- -
	249036	SUSP 440B 120 BB HLDX **(120 DRUM BRAKE MODELS)**	- -
	249039	SUSP 440B 102 SB DSC HLDX **(102 / 108, STD / CA DISC BRAKE MODELS)**	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	4
2	1-297-010010-03	FITTING,AIR, UNION TEE 3/8	3
3	1-297-010013-11	FITTING,AIR,45 M/ELB3/8T-1/4P	1
4	1-297-010018-04	FITTING 1/2 BRASS PIPE ST TEE	1
5	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
6	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	2
7	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
8	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
9	213453	TUBING 3/8 OD DARK GREEN **(DARK GREEN, BY THE FOOT)**	15
10	240102	TUBING AIR 3/8 ORANGE **(ORANGE, BY THE FOOT)**	8
11	240141	VLVE, AIR RIDE HEIGHT HLDX 3/8 **(COMPONENTS - SEE PAGE 8-98)**	1
12	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
13	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1

Suspension, Air Ride, 2 Ax, Aqua (Option)



NOT SHOWN:
14 - AIR CONTROL KIT (ITEMS 13-17)

Figure 8-43: Suspension, Air Ride, 2 Ax, Aqua (Option)

Suspension, Air Ride, 2 Ax, Aqua (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215487	SUSP 440B-102 SB GRT AQUA PKG	- -
1	1-297-010007-11	FITTING, AIR	4
2	1-297-010008-07	FITTING, AIR 90	3
3	1-297-010010-01	FITTING, AIR UNION TEE	1
4	1-297-010010-04	FITTING, AIR UNION TEE	2
5	1-297-010018-04	FITTING, 1/2 BRASS PIPE, ST TEE	1
6	1-512-010007-05	NUT, HEX, 1/4-20 UNC GR2	2
7	1-654-010047-09	SCREW, HEX 1/4-20 UNC X 1-3/4 GR5	2
8	1-796-010004-02	TIE, STRAP, PLASTIC, .301X13.38 **(NOT SHOWN)**	15
9	1-833-010001	TUBING, NYLON 1/4 OD	25
10	1-833-010002	TUBING, NYLON 3/8 OD	8
11	1-861-010032-07	WASHER, FLAT, ZP/CD, 1/4W	2
12	1-861-010034-09	WASHER, LKG, HLCL SPR, 1/4	2
13	173875	HEIGHT CONTROL VALVE **(INCLUDED WITH ITEM 14)**	1
14	173876	AIR CONTROL VALVE INSTALL KIT **(INCLUDES ITEMS 13, 17)** **(COMPONENTS - SEE PAGE 8-99)**	1
15	2083-8-4S	NIPPLE, HEX 1/2 - 1/4	1
16	3-780-010002	TANK, AIR	- -
17	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)** **(INCLUDED WITH ITEM 14)**	1

Suspension, Air Ride, 2 Ax Spread (Option)

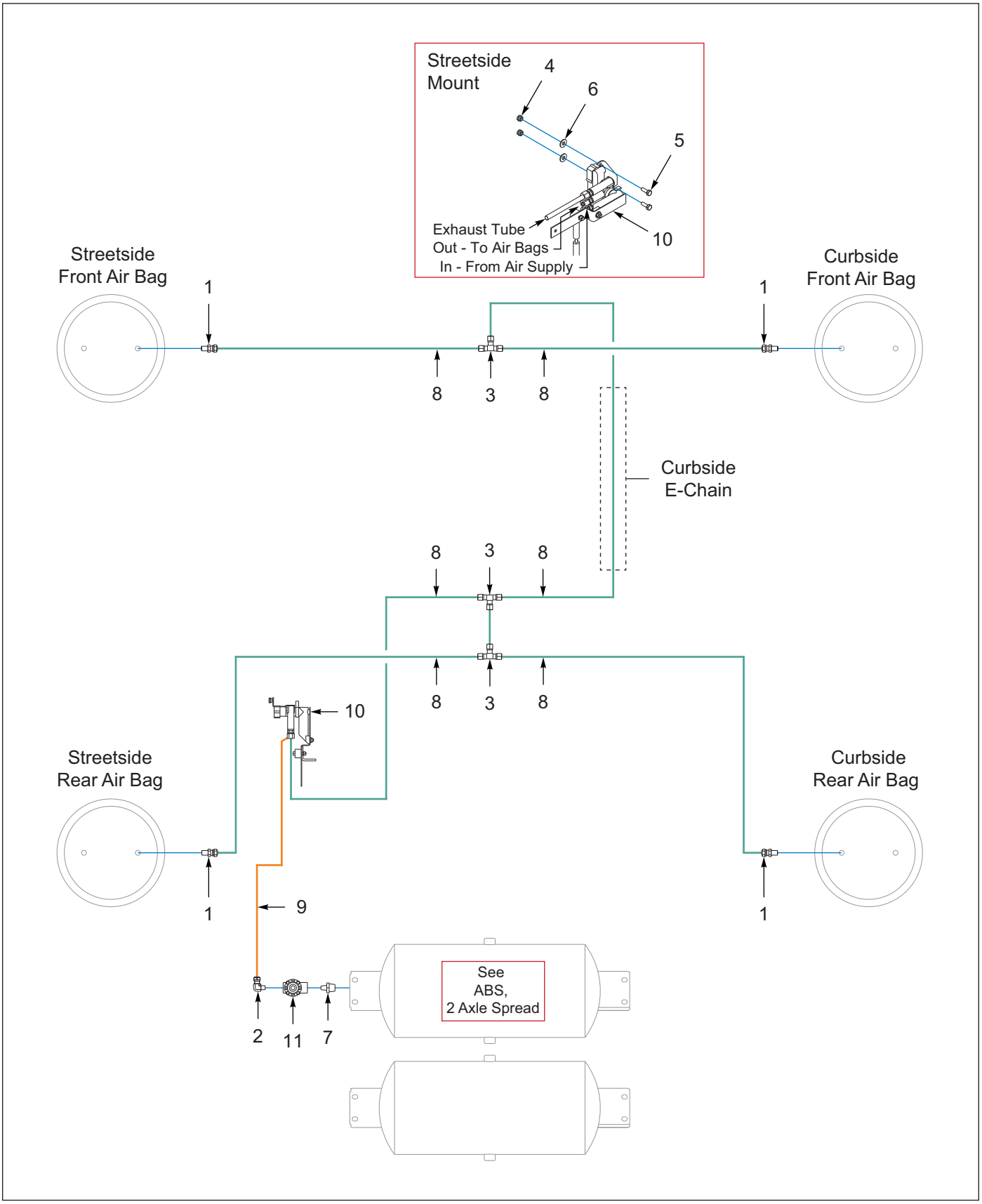


Figure 8-44: Suspension, Air Ride, 2 Ax Spread (Option)

Suspension, Air Ride, 2 Ax Spread (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252523	SUSP 440 SLDR 50-121 HLDX **(DRUM)**	- -
	252553	SUSP 440 SLDR 50-121 DSC **(DISC)**	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	4
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
3	1-297-010010-03	FITTING,AIR, UNION TEE 3/8	3
4	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
5	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	2
6	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
7	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	2
8	213453	TUBING 3/8 OD DARK GREEN **(DARK GREEN, BY THE FOOT)**	30
9	240102	TUBING AIR 3/8 ORANGE **(ORANGE, BY THE FOOT)**	5
10	240141	VLVE, AIR RIDE HEIGHT HLDX 3/8 **(COMPONENTS - SEE PAGE 8-98)**	1
11	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1

Suspension, Air Ride, 3 Ax, 1/4 in (Before 03/10/2023)

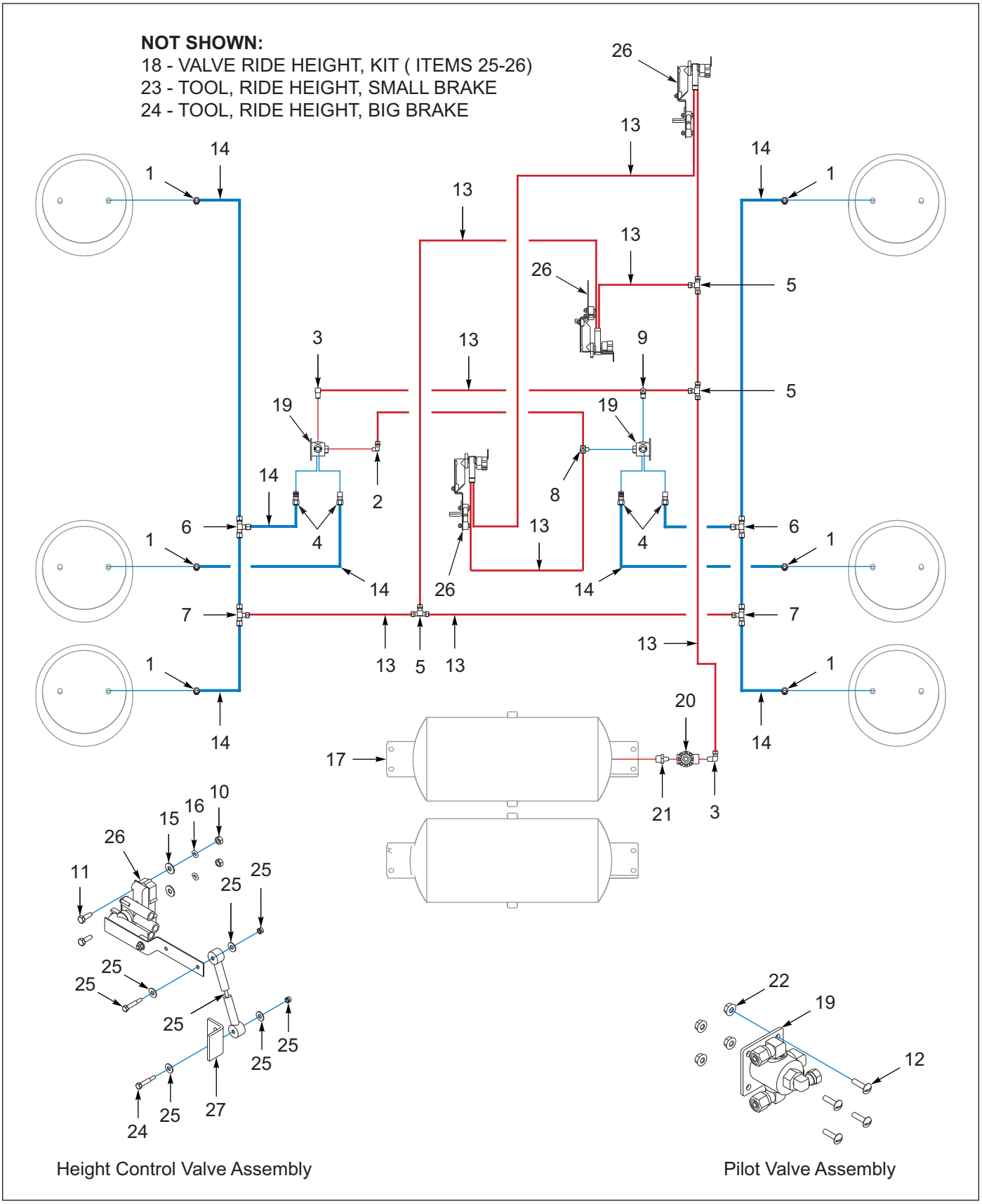


Figure 8-45: Suspension, Air Ride, 3 Ax, 1/4 in (Before 03/10/2023)

Suspension, Air Ride, 3 Ax, 1/4 in (Before 03/10/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB	- -
	214477	SUSP 455B-CA-102	- -
	214471	SUSP 455B-108 BB	- -
	214481	SUSP 455B-CA-108 BB	- -
	214474	SUSP 455B-108 SB	- -
	214484	SUSP 455B-CA-108 SB	- -
	215028	SUSP 455B-102 BB GROTE	- -
	215213	SUSP ASSY 455B-120BB 87 TRK	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	6
2	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	1
3	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	2
4	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	4
5	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	3
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	1-297-010015-02	FITTING,AIR,BR TEE 1/4T-1/8P	1
9	1-297-010015-03	FITTING,AIR,BR TEE 1/4T-1/4P	1
10	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP	6
11	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	6
12	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	8
13	1-833-010001	TUBING NYLON 1/4 OD **(BLACK - BY THE FOOT)**	48
14	1-833-010002	TUBING NYLON 3/8 OD **(BLACK - BY THE FOOT)**	24
15	1-861-010032-07	WASHER,FLAT 1/4 ZP	6
16	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	6
17	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	- -
18	3-843-010034	VALVE RIDE HEIGHT CONTROL **(KIT INCLUDES ONLY ITEMS 25-26)**	3
19	900-54-079	PILOT VALVE	2
20	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
21	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE **(118-2658-8)**	1
22	212074	NUT 10-24 FLANGE HD SERRATED	8
23	205573	TOOL RIDE HEIGHT SB **(NOT SHOWN - SOLD SEPARATELY)**	1
24	205574	TOOL RIDE HEIGHT BB **(NOT SHOWN - SOLD SEPARATELY)**	1
25	481-00-225	LINKAGE (18-1/4" LONG ROD) **(INCLUDES ROD, BOOTS AND MOUNTING HARDWARE) (INCLUDED WITH ITEM 18)**	1
26	900 54 007	HEIGHT CONTROL VALVE N **(FOR 1/4" AIR LINE) (INCLUDED WITH ITEMS 18)**	1
27	238806	BRCKT LINK, RIDE HGHT **(SOLD SEPARATELY)**	1

Suspension, Air Ride, 3 Ax, 3/8 in (After 03/10/2023)

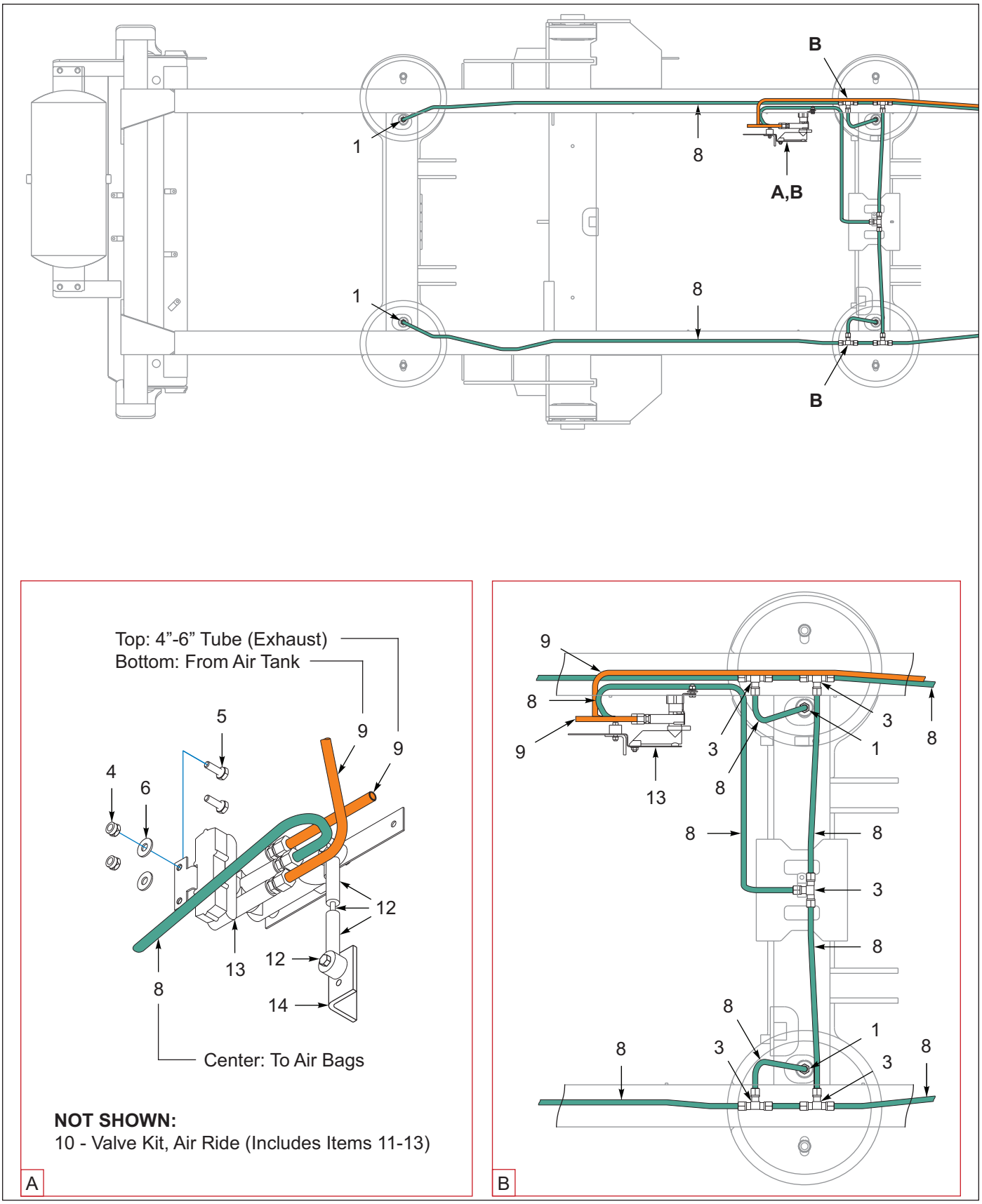


Figure 8-46: Suspension, Air Ride, 3 Ax, 3/8 in (After 03/10/2023) (1 of 2)

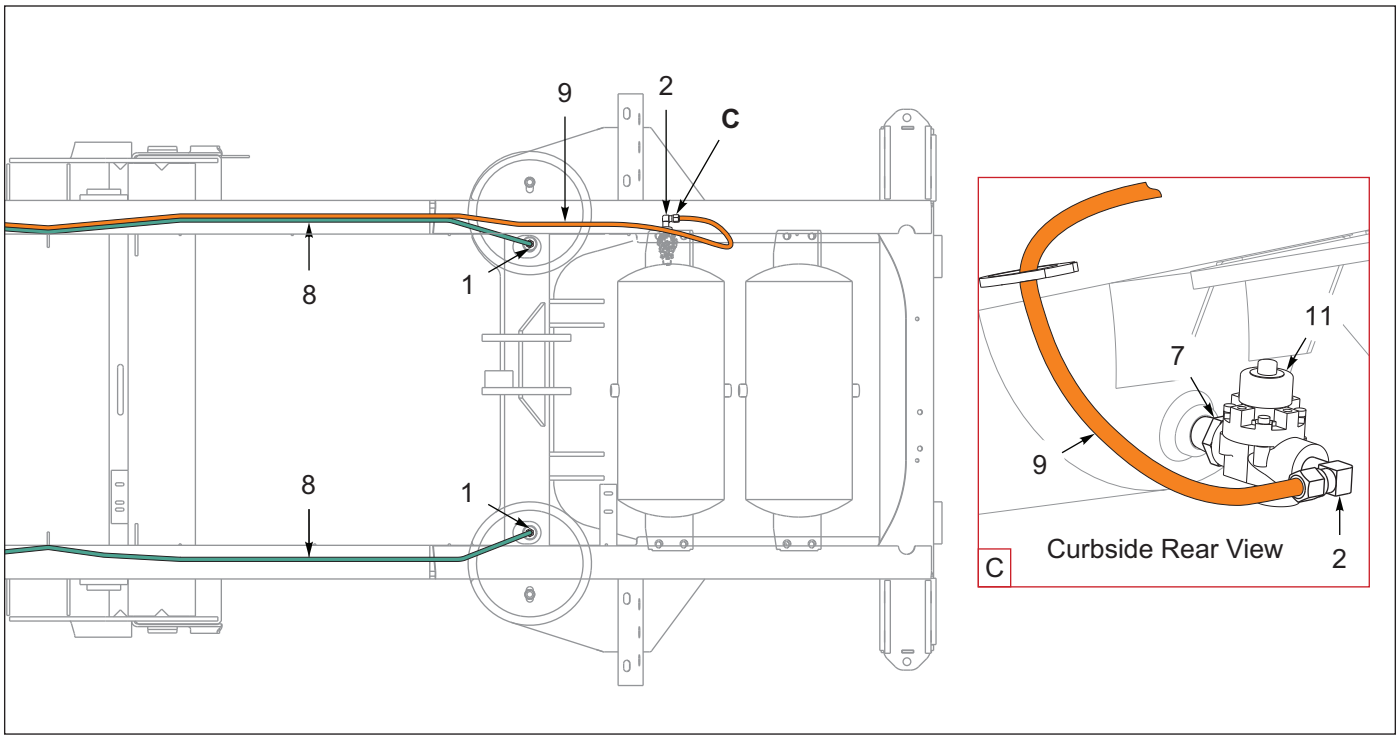
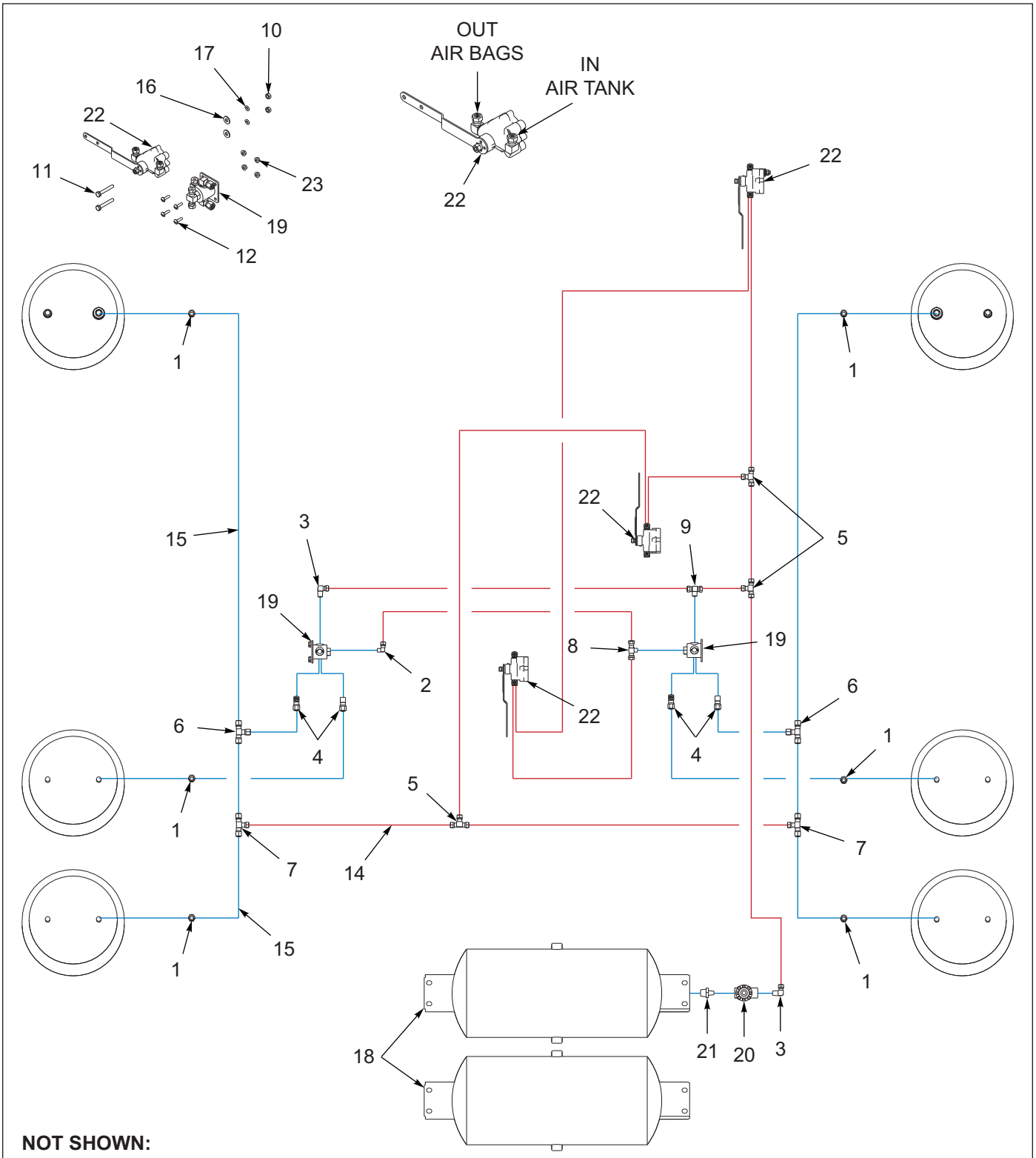


Figure 8-47: Suspension, Air Ride, 3 Ax, 3/8 in (After 03/10/2023) (2 of 2)

Suspension, Air Ride, 3 Ax, 3/8 in (After 03/10/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB / BB **(102 / 108, STD / CA MODELS)**	- -
	215213	SUSP ASSY 455B-120BB 87 TRK **(120 BB MODELS)**	- -
	250701	SUSP 455B SB / BB DRUM HLDX **(102 / 108, STD / CA MODELS)**	- -
	250711	SUSP 455B 120 DRUM HLDX **(120 SB / BB MODELS)**	- -
	253282	SUSP 455B SB / BB DISC HLDX **(102 / 108, STD / CA MODELS)**	- -
	250722	SUSP ASSY 455B 120 SB DSC HLDX **(120 STD / CA MODELS)**	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	6
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
3	1-297-010010-03	FITTING,AIR, UNION TEE 3/8	5
4	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
5	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	2
6	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
7	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE **(118-2658-8)**	1
8	213453	TUBING 3/8 OD DARK GREEN **(BY THE FOOT)** **(102, 108, DRUM, REQ 31) (102, 108, DISC, REQ 33) (120, DRUM / DISC, REQ 32)**	- -
9	240102	TUBING AIR 3/8 ORANGE **(BY THE FOOT)**	12
10	240141	VLVE, AIR RIDE HEIGHT HLDX 3/8 **(INCLUDES ITEMS 11-13) (COMPONENTS - SEE PAGE 8-98)**	1
11	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692) (INCLUDED WITH ITEM 10)**	1
12	481-00-225	LINKAGE (18-1/4" LONG ROD) **(INCLUDES ROD, BOOTS AND MOUNTING HARDWARE) (INCLUDED WITH ITEM 10)**	1
13	905-54-183	HEIGHT CONTROL VALVE 3/8 HLDX **(INCLUDED WITH ITEM 10)**	1
14	238806	BRCKT LINK, RIDE HGHT **(SOLD SEPERATELY - ADDED AFTER 10/26/2021)**	1

Suspension, Air Ride, 3 Ax, Aqua, 1/4 in (Option) (Before 03/10/2023)



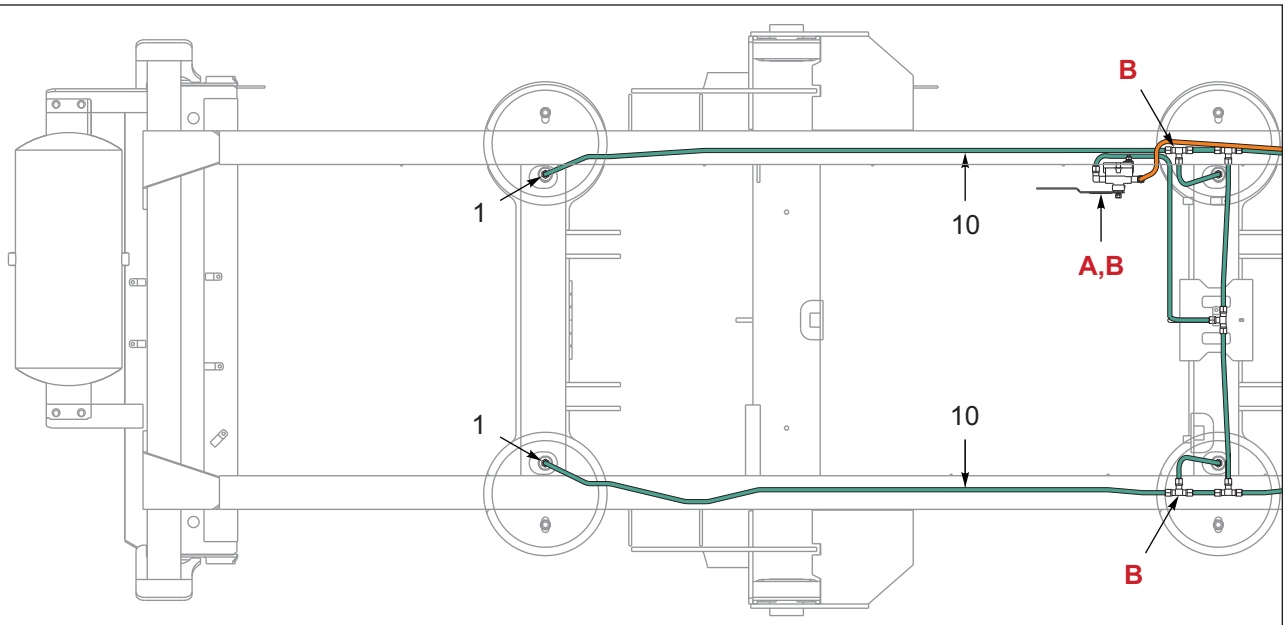
NOT SHOWN:
13 - TIE, STRAP
24 - TOOL RIDE HEIGHT, SMALL BRAKES
25 - TOOL, RIDE HEIGHT, BIG BRAKES
26 - KIT, AIR CONTROL (ITEMS 20, 22)

Figure 8-48: Suspension, Air Ride, 3 Ax, Aqua, 1/4 in (Option) (Before 03/10/2023)

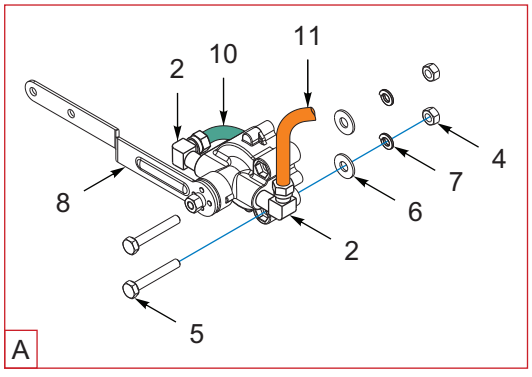
Suspension, Air Ride, 3 Ax, Aqua, 1/4 in (Option) (Before 03/10/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	216223	SUSP 455B-CA-102 SB AQUA	- -
1	1-297-010007-11	FITTING AIR	6
2	1-297-010008-05	FITTING AIR 90	1
3	1-297-010008-07	FITTING AIR 90	8
4	1-297-010008-18	FITTING AIR 90	4
5	1-297-010010-01	FITTING AIR UNION TEE	3
6	1-297-010010-03	FITTING AIR UNION TEE 3/8	2
7	1-297-010010-04	FITTING AIR UNION TEE	2
8	1-297-010015-02	FITTING AIR BRANCH TEE	1
9	1-297-010015-03	FITTING AIR BRANCH TEE	1
10	1-512-010007-05	NUT, HEX, 1/4-20 UNC, GR2	6
11	1-654-010047-09	SCREW, HEX HEAD CAP 1/4-20 X 1-3/4 GR5	6
12	1-656-010003051	SCREW RH HD MACH #10-24 X 3/4	8
13	1-796-010004-02	TIE, STRAP, PLASTIC, .301X13.38 **(NOT SHOWN)**	15
14	1-833-010001	TUBING NYLON 1/4 OD **(BY THE FOOT)**	48
15	1-833-010002	TUBING NYLON 3/8 OD **(BY THE FOOT)**	24
16	1-861-010032-07	WASHER, FLAT Z/P/CD, 1/4W	6
17	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	6
18	3-780-010002	TANK, AIR	- -
19	900-54-079	PILOT VALVE	2
20	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692) (INCLUDED WITH ITEM 26)**	1
21	2083-8-4S	NIPPLE, HEX 1/2 - 1/4	1
22	173875	HEIGHT CONTROL VALVE **(INCLUDED WITH ITEM 26)**	3
23	212074	NUT, FLG HD, SERR, 10-24 UNC	8
24	205573	TOOL, RIDE HEIGHT, SMALL BRAKES **(NOT SHOWN)**	- -
25	205574	TOOL, RIDE HEIGHT, BIG BRAKES **(NOT SHOWN)**	- -
26	173876	AIR CONTROL VALVE INSTALL KIT **(INCLUDES ITEMS 20, 22) (COMPONENTS - SEE PAGE 8-99)**	1

Suspension, Air Ride, 3 Ax, Aqua, 3/8 in (Option) (After 3/10/2023)



NOT SHOWN:
13 - KIT, AIR CONTROL (ITEMS 8, 12)



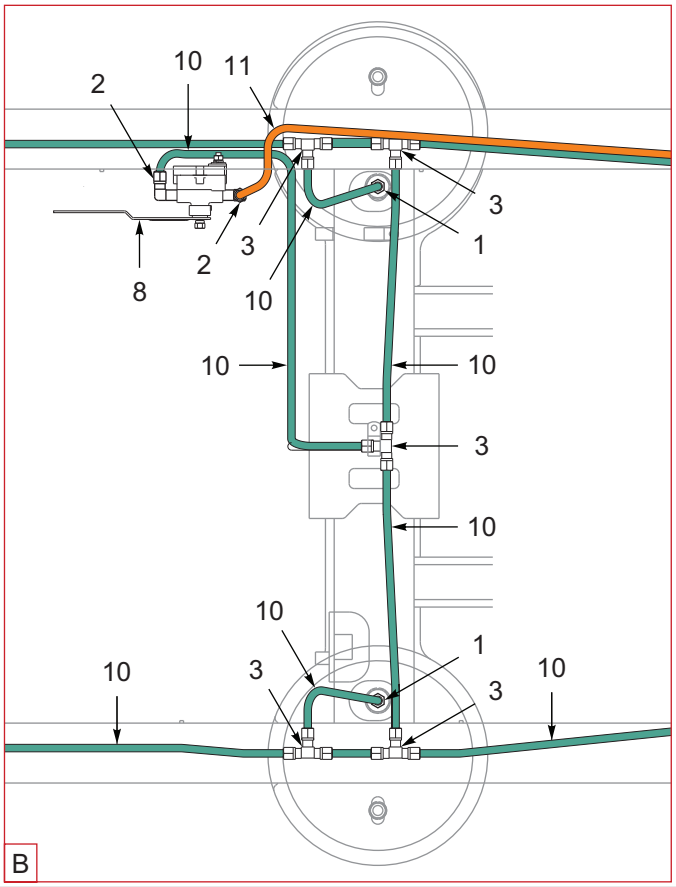


Figure 8-49: Suspension, Air Ride, 3 Ax, Aqua, 3/8 in (Option) (After 03/10/2023) (1 of 2)

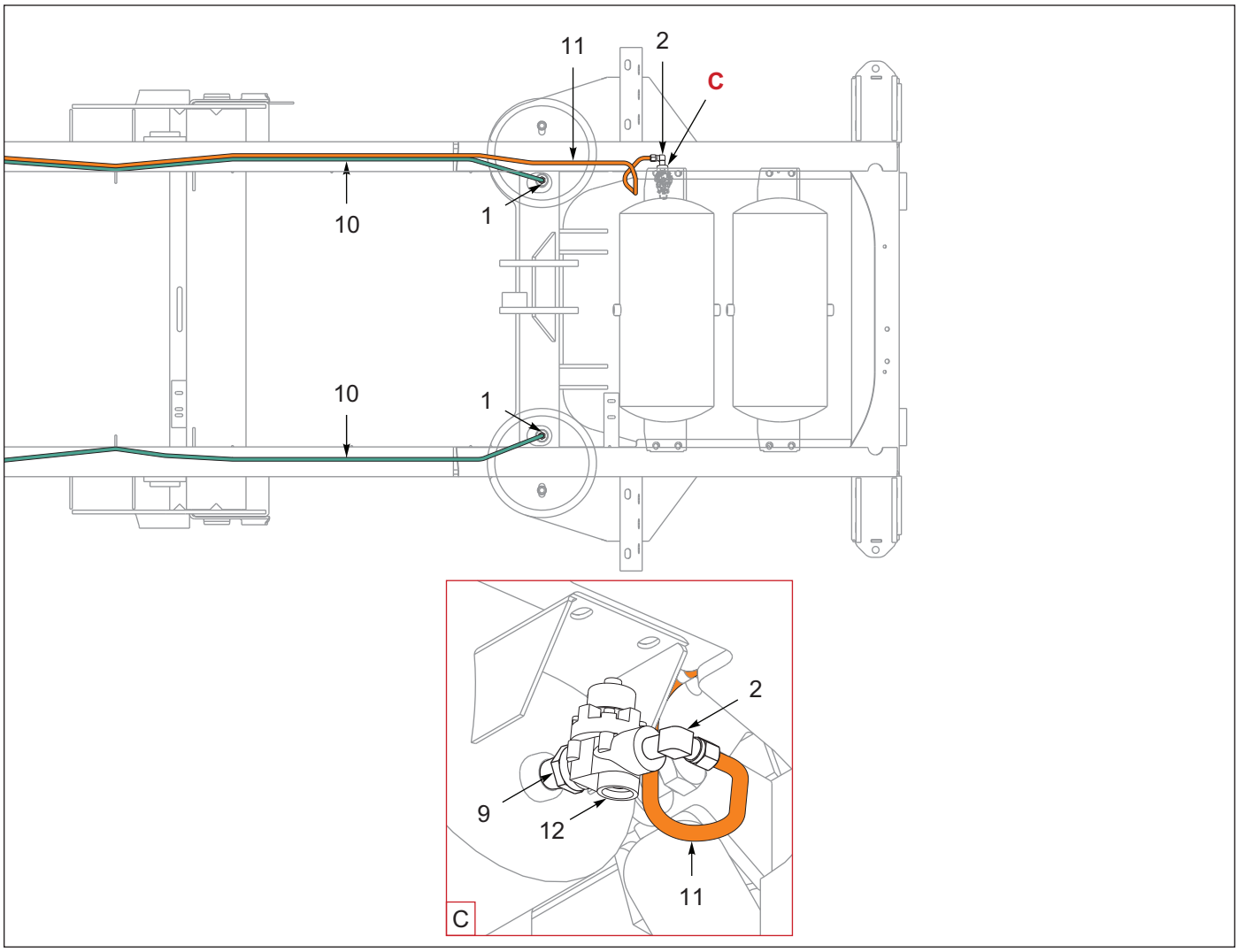


Figure 8-50: Suspension, Air Ride, 3 Ax, Aqua, 3/8 in (Option) (After 03/10/2023) (2 of 2)

Suspension, Air Ride, 3 Ax, Aqua, 3/8 in (Option) (After 3/10/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	216223	SUSP 455B-CA-102 SB AQUA	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	6
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	3
3	1-297-010010-03	FITTING,AIR, UNION TEE 3/8	5
4	1-512-010007-05	NUT, HEX 1/4-20 GR2 ZP **(BEFORE 06/12/2023, QTY 2)**	- -
5	1-654-010047-09	SCREW,HX CP,1/4-20UNCX1-3/4G5	2
6	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
7	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	2
8	173875	HEIGHT CONTROL VALVE **(INCLUDED WITH ITEM 13)**	1
9	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE **(118-2658-8)**	1
10	213453	TUBING 3/8 OD DARK GREEN **(BY THE FOOT)**	31
11	240102	TUBING AIR 3/8 ORANGE **(BY THE FOOT)**	12
12	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692) (INCLUDED WITH ITEM 13)**	1
13	173876	AIR CONTROL VALVE INSTALL KIT **(INCLUDES ITEMS 8, 12) (COMPONENTS - SEE PAGE 8-99)**	1

Suspension, Air Ride Control Kit, 1/4 in

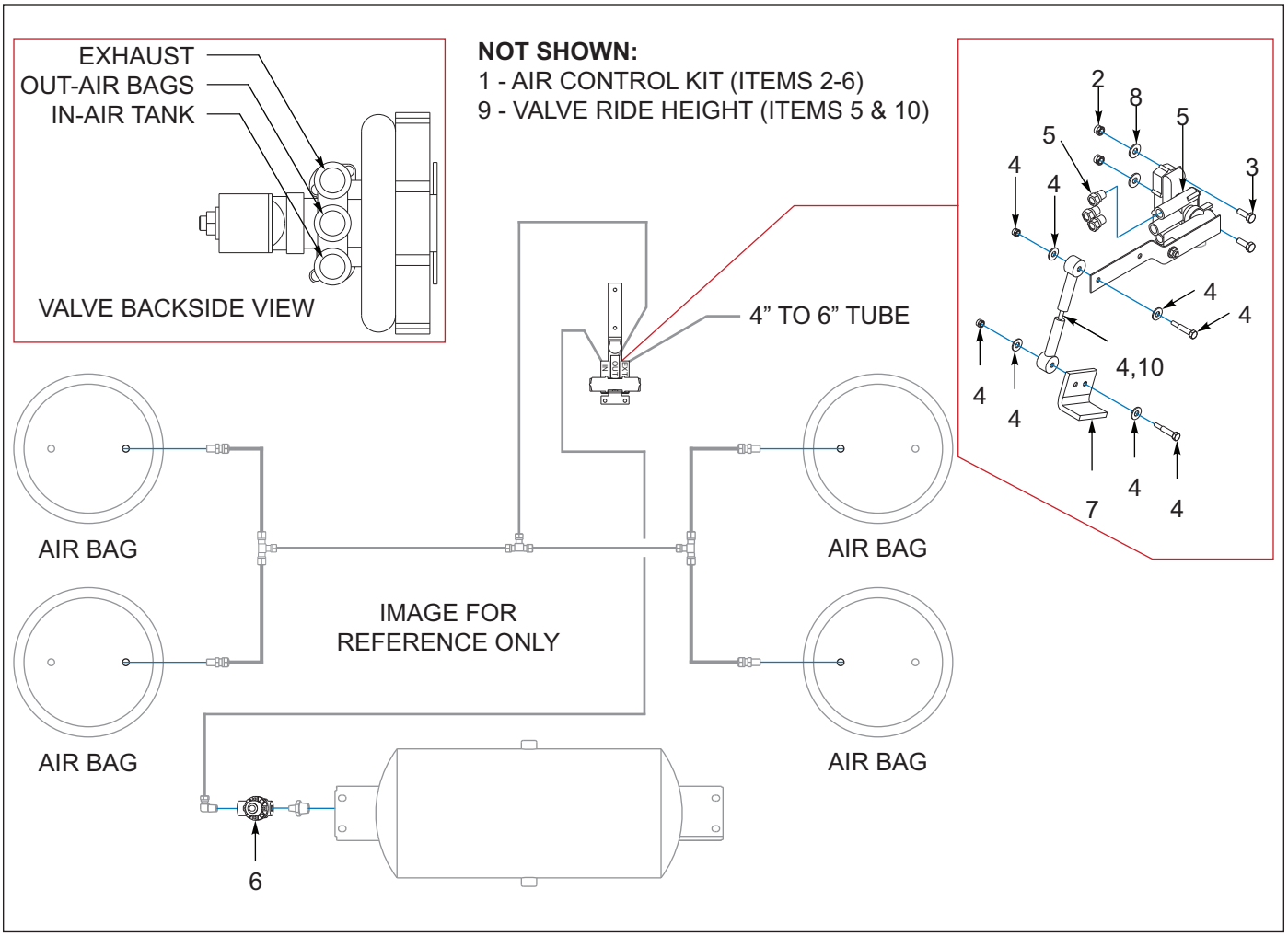


Figure 8-51: Suspension, Air Ride Control Kit, 1/4 in

Suspension, Air Ride Control Kit, 1/4 in

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	102732	AIR CONTROL KIT **(INCLUDES ITEMS 2-6)** **(INSTALLATION - SEE PAGE 8-79)**	1
2	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(INCLUDED WITH ITEM 1)**	2
3	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5 **(INCLUDED WITH ITEM 1)**	2
4	111021	KIT SRK-167 NEWAY 952-50-001 **(INCLUDED WITH ITEM 1)** **(INCLUDES 14-1/2" LONG ROD)**	1
5	900 54 007	HEIGHT CONTROL VALVE N **(FOR 1/4" AIR LINE)** **(INCLUDED WITH ITEMS 1, 9)**	1
6	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)** **(INCLUDED WITH ITEM 1)**	1
7	238806	BRCKT LINK, RIDE HGHT **(SOLD SEPERATELY - ADDED AFTER 10/26/2021)**	1
8	1-861-010032-07	WASHER,FLAT 1/4 ZP **(SOLD SEPERATELY)**	2
9	3F843-010034	FI VALVE RIDE HEIGHT CONTROL **(INCLUDES ITEMS 5, 10)**	1
10	481-00-225	LINKAGE (18-1/4" LONG ROD) **(CUT TO FIT)** **(INCLUDED WITH ITEM 9)**	1

Suspension, Air Ride Control Kit, 3/8 in

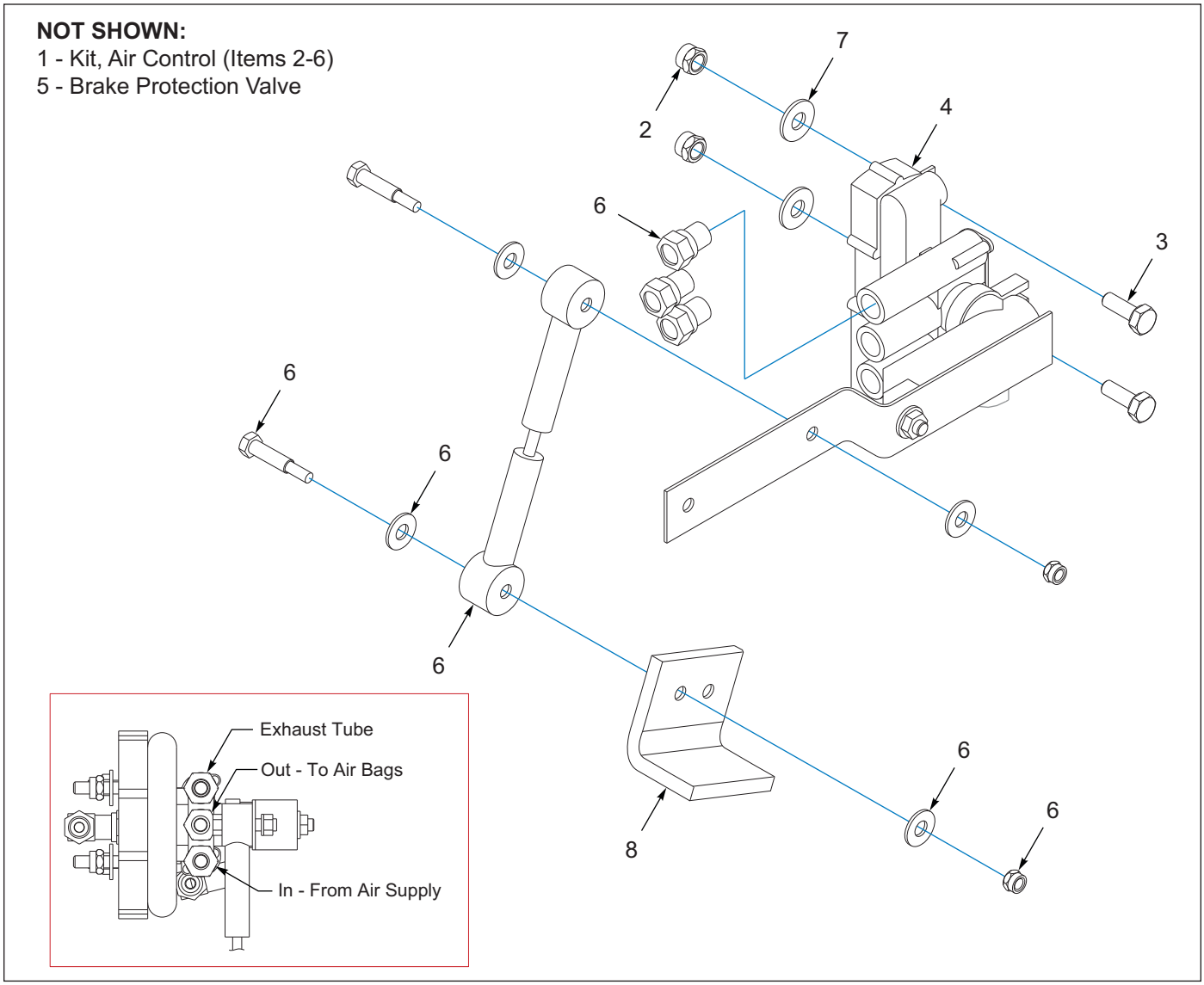


Figure 8-52: Suspension, Air Ride Control Kit, 3/8 in

Air Ride Control Kit, 3/8 in

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	240141	VLVE, AIR RIDE HEIGHT HLDX 3/8 **(INCLUDES ITEMS 2-6) (INSTALLATION - SEE PAGES 8-81. 8-95)**	1
2	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
3	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	2
4	905-54-183	HEIGHT CONTROL VALVE 3/8 HLDX **(INCLUDED WITH ITEM 1)**	1
5	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692) (INCLUDED WITH ITEM 1)**	1
6	481-00-225	LINKAGE (18-1/4" LONG ROD) **(INCLUDES THE ROD, BOOTS AND MOUNTING HARDWARE - CUT TO FIT) (INCLUDED WITH ITEM 1)**	1
7	1-861-010032-07	WASHER,FLAT 1/4 ZP **(SOLD SEPERATELY)**	2
8	238806	BRCKT LINK, RIDE HGHT **(SOLD SEPERATELY)**	1

Suspension, Air Ride Control Kit, 1/4 in, Aqua (Option)

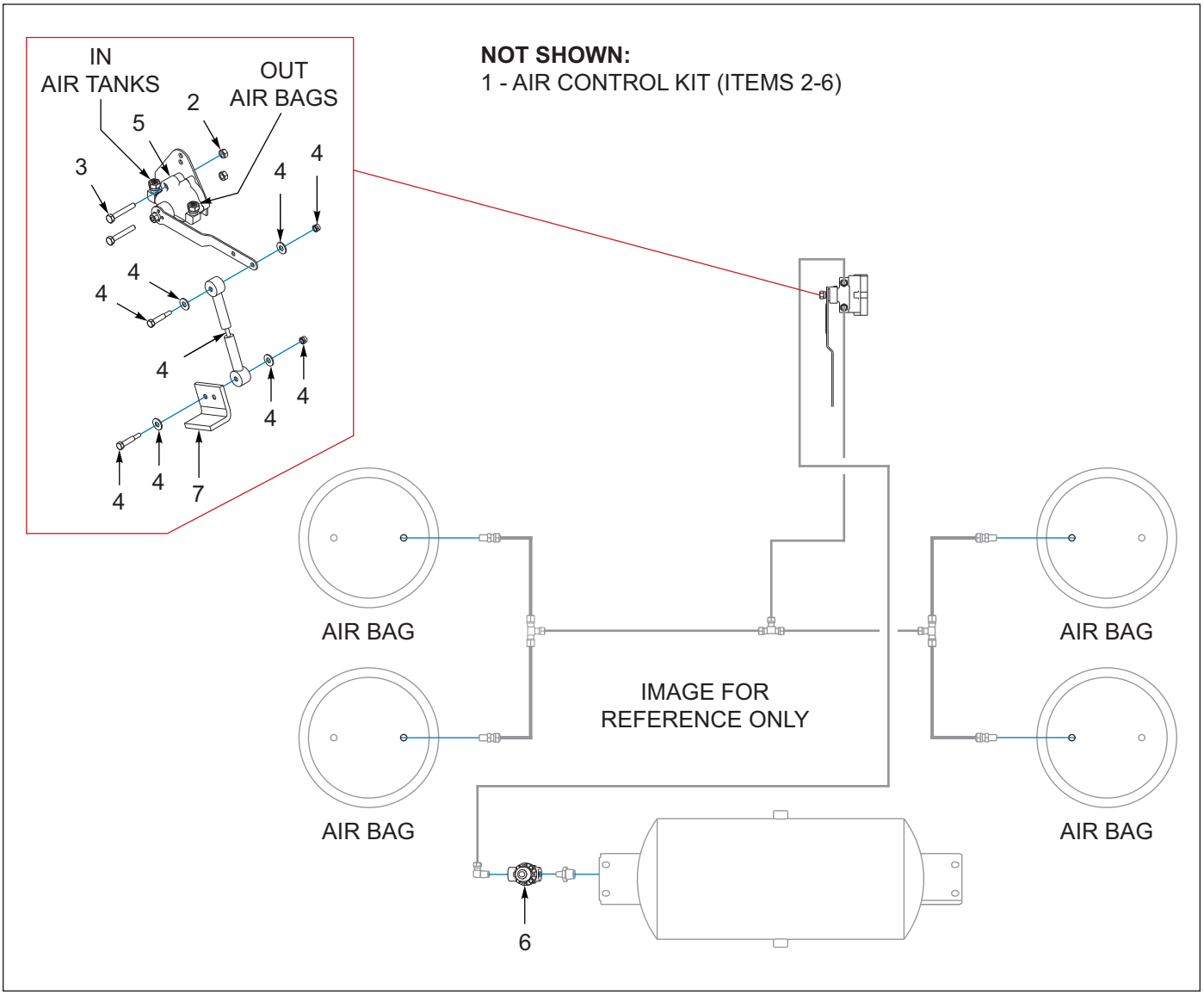


Figure 8-53: Suspension, Air Ride Control Kit, 1/4 in, Aqua (Option)

Suspension, Air Ride Control Kit, 1/4 in, Aqua (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	173876	AIR CONTROL VALVE INSTALL KIT **(INCLUDES ITEMS 2-6)** **(INSTALLATION - SEE PAGE 8-85)**	1
2	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(INCLUDED WITH ITEM 1)**	2
3	1-654-010047-09	SCREW,HX CP,1/4-20UNCX1-3/4G5 **(INCLUDED WITH ITEM 1)**	2
4	111021	KIT SRK-167 NEWAY 952-50-001 **(INCLUDED WITH ITEM 1)** **(INCLUDES 14-1/2" LONG ROD)**	1
5	173875	HEIGHT CONTROL VALVE **(FOR 1/4" AIR LINE)** **(INCLUDED WITH ITEMS 1, 9)**	1
6	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)** **(INCLUDED WITH ITEM 1)**	1
7	238806	BRCKT LINK, RIDE HGHT **(SOLD SEPERATELY - ADDED AFTER 10/26/2021)**	1

Table provided for general use.

NOTES:

Suspension, Air Dump, 2 Axle, 1/4 in (Option) (BEFORE 06/14/2023)

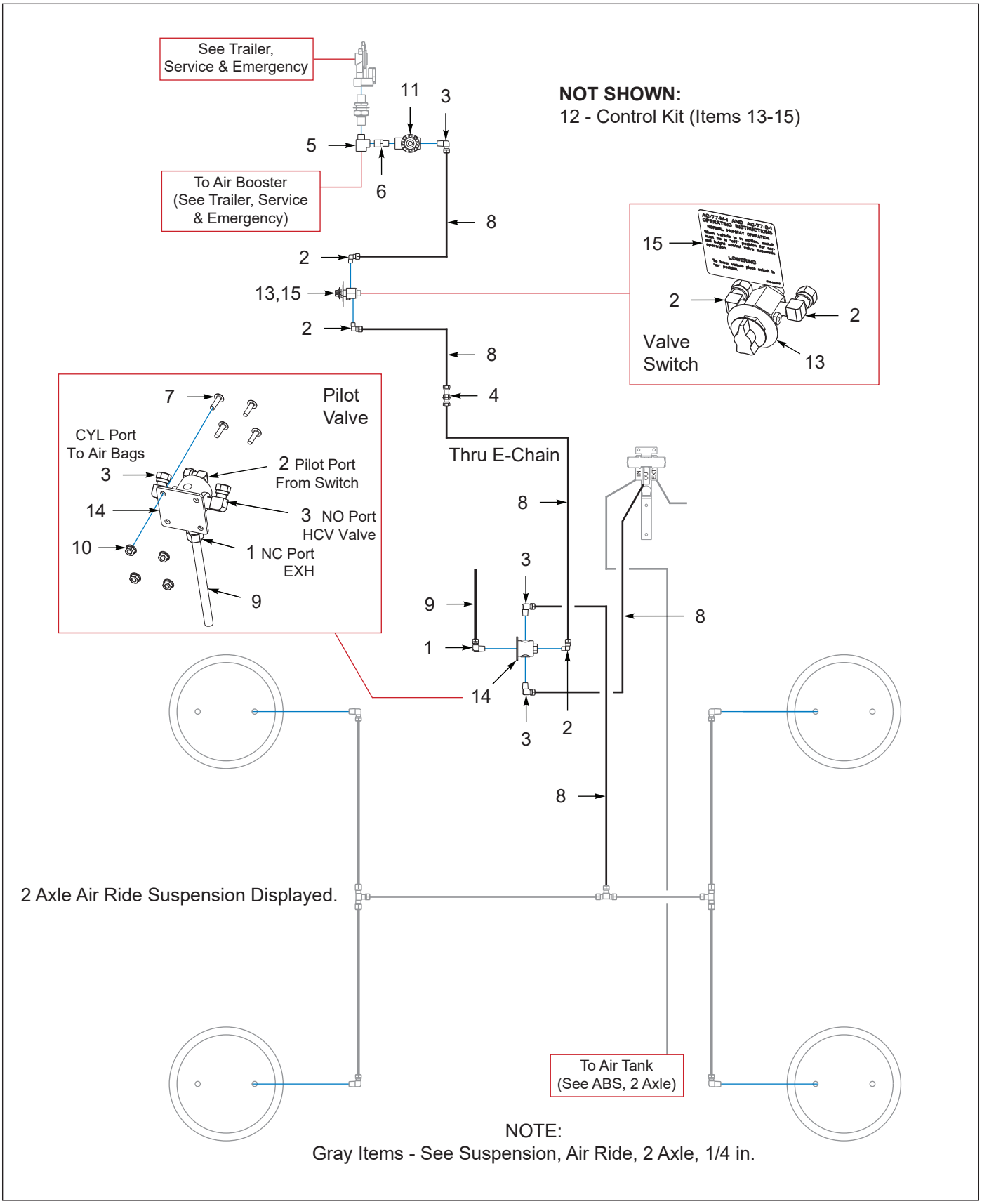


Figure 8-54: Suspension, Air Dump, 2 Axle, 1/4 in (Option) (BEFORE 06/14/2023)

Suspension, Air Dump, 2 Axle, 1/4 in (Option) (BEFORE 06/14/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128590	AIR DUMP VALVE INSTL 41	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	1
2	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	3
3	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	3
4	1-297-010014-02	FITTING,AIR,BLKHD UNION 1/4	1
5	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	1
6	1-297-010019-05	FITTING,BRS PIPE,HX 3/8X1/4	1
7	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	4
8	1-833-010001	TUBING NYLON 1/4 OD **(BLACK, BY THE FOOT)**	125
9	1-833-010002	TUBING NYLON 3/8 OD **(BLACK, BY THE FOOT)**	0.5
10	212074	NUT 10-24 FLANGE HD SERRATED	4
11	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
12	109177	CONTROL KIT AIR SUSP LOWER **(INCLUDES ITEMS 11-13)**	1
13	900-54-088	VALVE, MANUAL OPERATED **(INCLUDES KNOB 900 54 211)**	1
14	900-54-079	PILOT VALVE	1
15	900-44-207	DECAL	1

Suspension, Air Dump, 2 Axle, 3/8 in (Option) (After 06/14/2023)

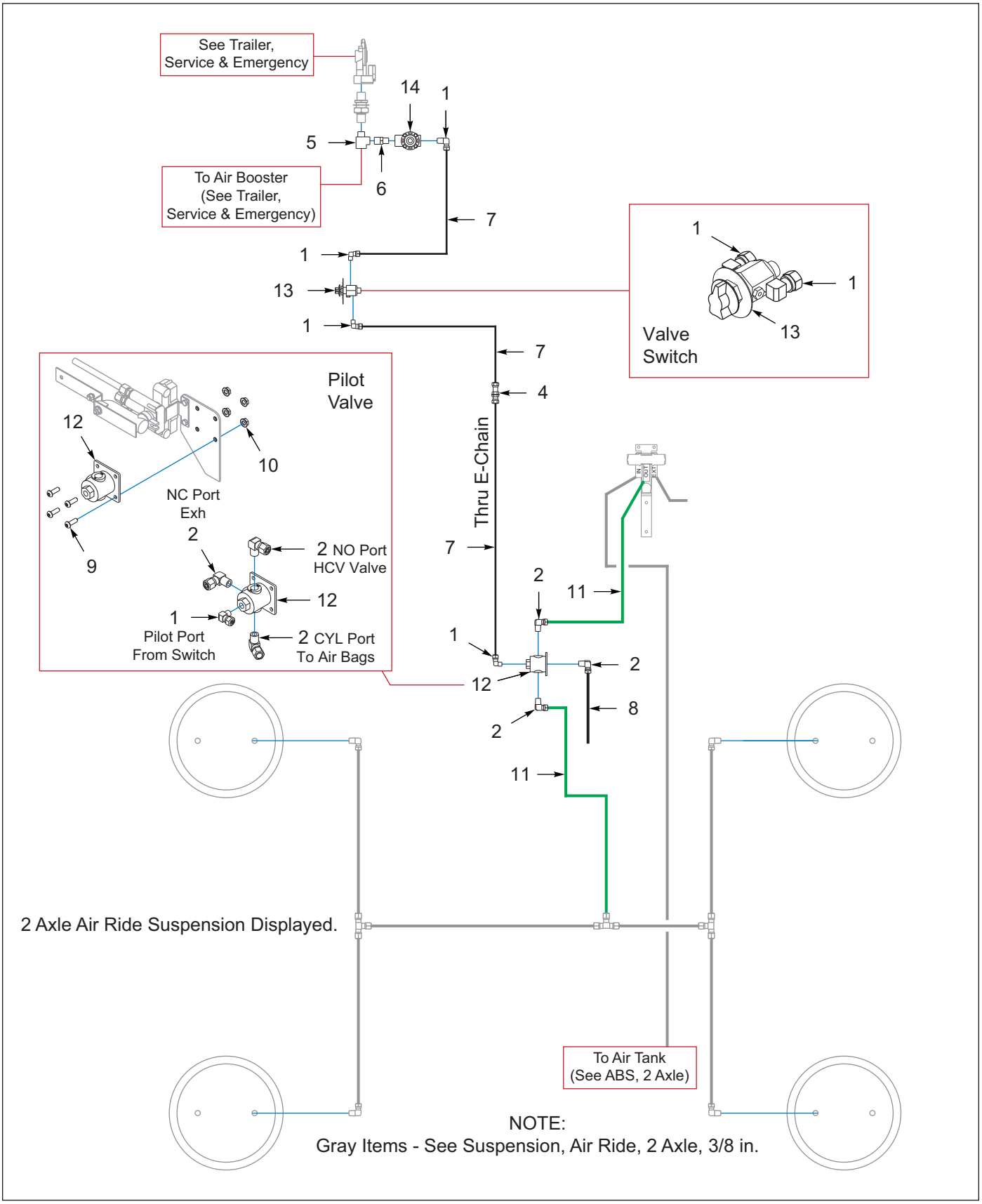


Figure 8-55: Suspension, Air Dump, 2 Axle, 3/8 in (Option) (After 06/14/2023)

Suspension, Air Dump, 2 Axle, 3/8 in (Option) (After 06/14/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	242505	SUSP AIR DUMP 1 PILOT VALVE	- -
1	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	4
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	3
3	1-297-010010-03	FITTING,AIR, UNION TEE 3/8	1
4	1-297-010014-02	FITTING,AIR,BLKHD UNION 1/4	1
5	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	1
6	1-297-010019-05	FITTING,BRS PIPE,HX 3/8X1/4	1
7	1-833-010001	TUBING NYLON 1/4 OD **(BLACK, BY THE FOOT)**	75
8	1-833-010002	TUBING NYLON 3/8 OD **(BLACK, BY THE FOOT)**	1
9	106955	SCREW,BHSC 1/4-20UNCX3/4	4
10	142779	NUT,FLANG SERRATED 1/4-20	4
11	213453	TUBING 3/8 OD DARK GREEN **(BY THE FOOT)**	10
12	900-54-079	PILOT VALVE	1
13	900-54-088	VALVE, MANUAL OPERATED **(INCLUDES KNOB 900 54 211)**	1
14	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1

Suspension, Air Dump, 3 Axle, Double Pilot (Option)

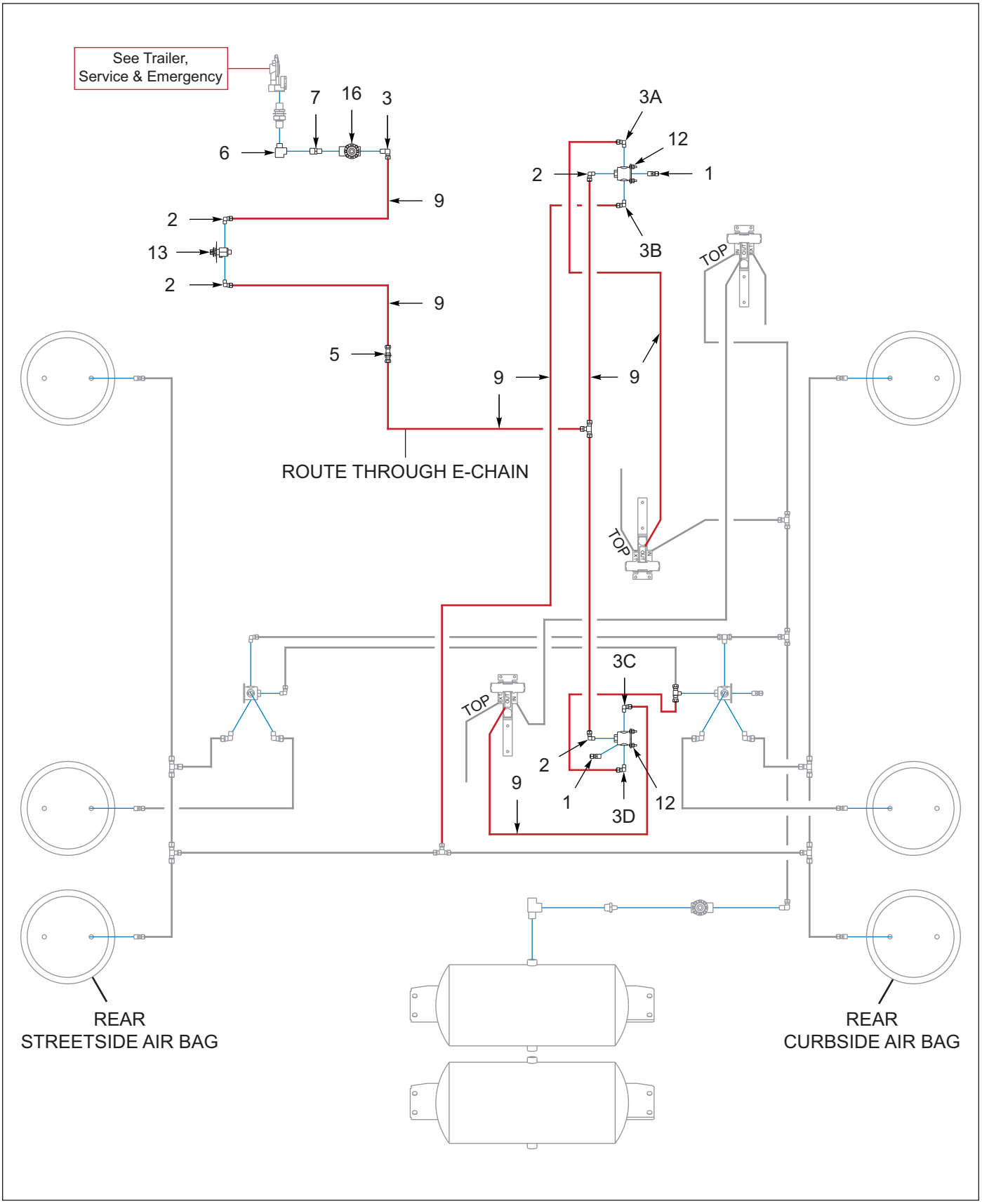


Figure 8-56: Suspension, Air Dump, 3 Axle, Double Pilot (Option) (1 of 2)

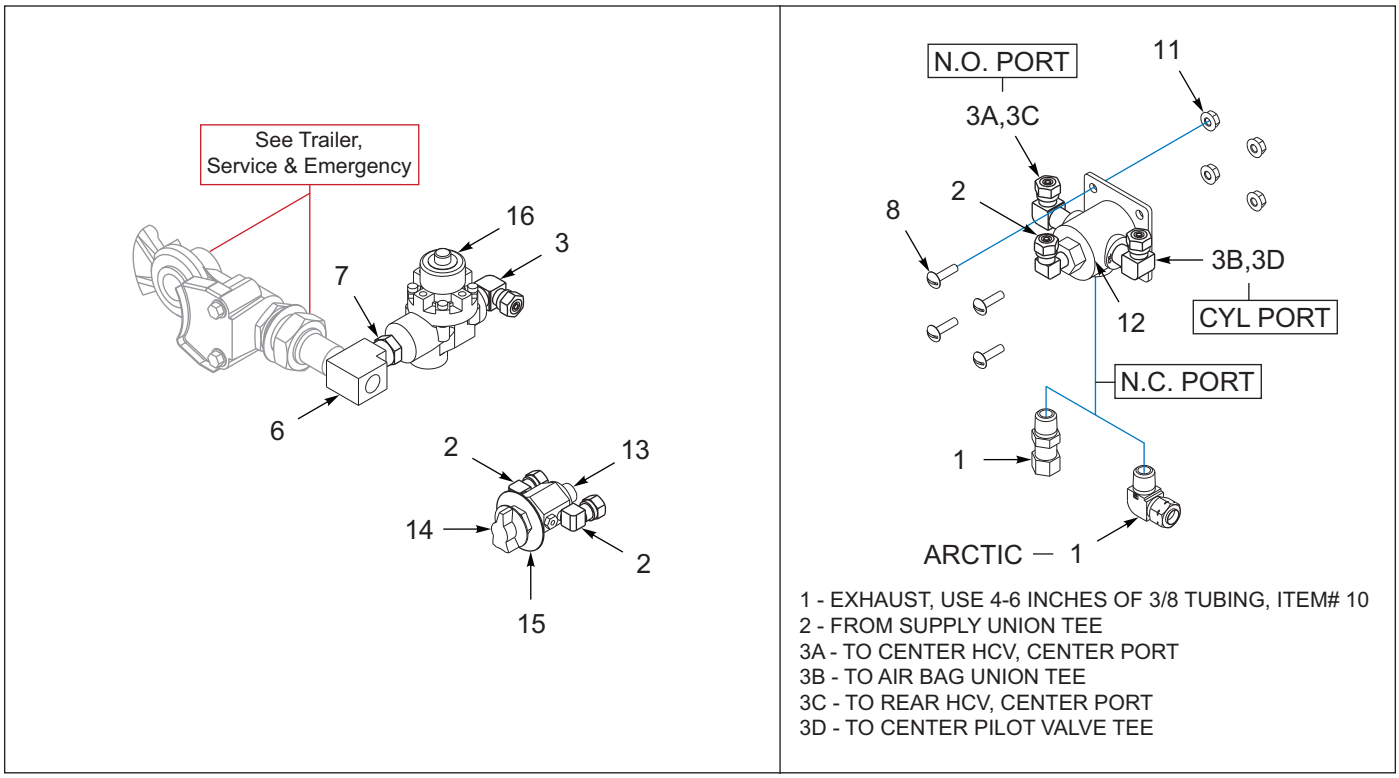


Figure 8-57: Suspension, Air Dump, 3 Axle, Double Pilot (Option) (2 of 2)

Suspension, Air Dump, 3 Axle, Double Pilot (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	216326	SUSP AIR DUMP 2 PILOT VALVES **(INCLUDES ITEMS 1-16)**	- -
	216331	SUSP AIR DUMP 2 PILOT VLV ARC **(ARTIC)** **(INCLUDES ITEMS 1-16)**	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	2
1	126678	FTG,COMPRESS, 90 3/8TX1/4NPT **(ARTIC)**	2
2	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT	4
2	126676	FTG, COMPRESS, 90 1/4TX1/8NPT **(ARTIC)**	4
3	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT	5
3	126677	FTG,COMPRESS, 90 1/4TX1/4NPT **(ARTIC)**	5
4	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
4	126673	FTG,COMPRESS,UNION TEE 1/4T **(ARTIC)**	1
5	1-297-010014-02	FITTING,AIR,BLKHD UNION 1/4	1
5	172853	FTG,COMPRESS,BLKHD UNION 1/4T **(ARTIC)**	1
6	1-297-010018-03	FITTING,3/8 BRASS PIPE,ST TEE	1
7	1-297-010019-05	FITTING,BRS PIPE,HX 3/8X1/4	1
8	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	8
9	1-833-010001	TUBING NYLON 1/4 OD **(BLACK) (BY THE FOOT)**	- -
9	126629	TUBING,NYLON 1/4 BLACK **(ARTIC) (BY THE FOOT)**	- -
10	1-833-010002	TUBING NYLON 3/8 OD **(BLACK) (BY THE FOOT)**	1
10	126630	TUBING,NYLON 3/8 BLACK **(ARTIC) (BY THE FOOT)**	1
11	212074	NUT 10-24 FLANGE HD SERRATED	8
12	900-54-079	PILOT VALVE	2
13	900-54-088	VALVE, MANUAL OPERATED **(INCLUDES ITEMS 14-15)**	1
14	900 54 211	KNOB FOR 900-54-082 VALVE **(INCLUDED WITH ITEM 13)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
15	900 54 486	PLACARD, DN/UP MANUAL VALVE **(INCLUDED WITH ITEM 13)**	1
16	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES 167692, FILTER)**	1
17	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1

Table provided for general use.

NOTES:

Tire Inflation, 2 Axle (Option)

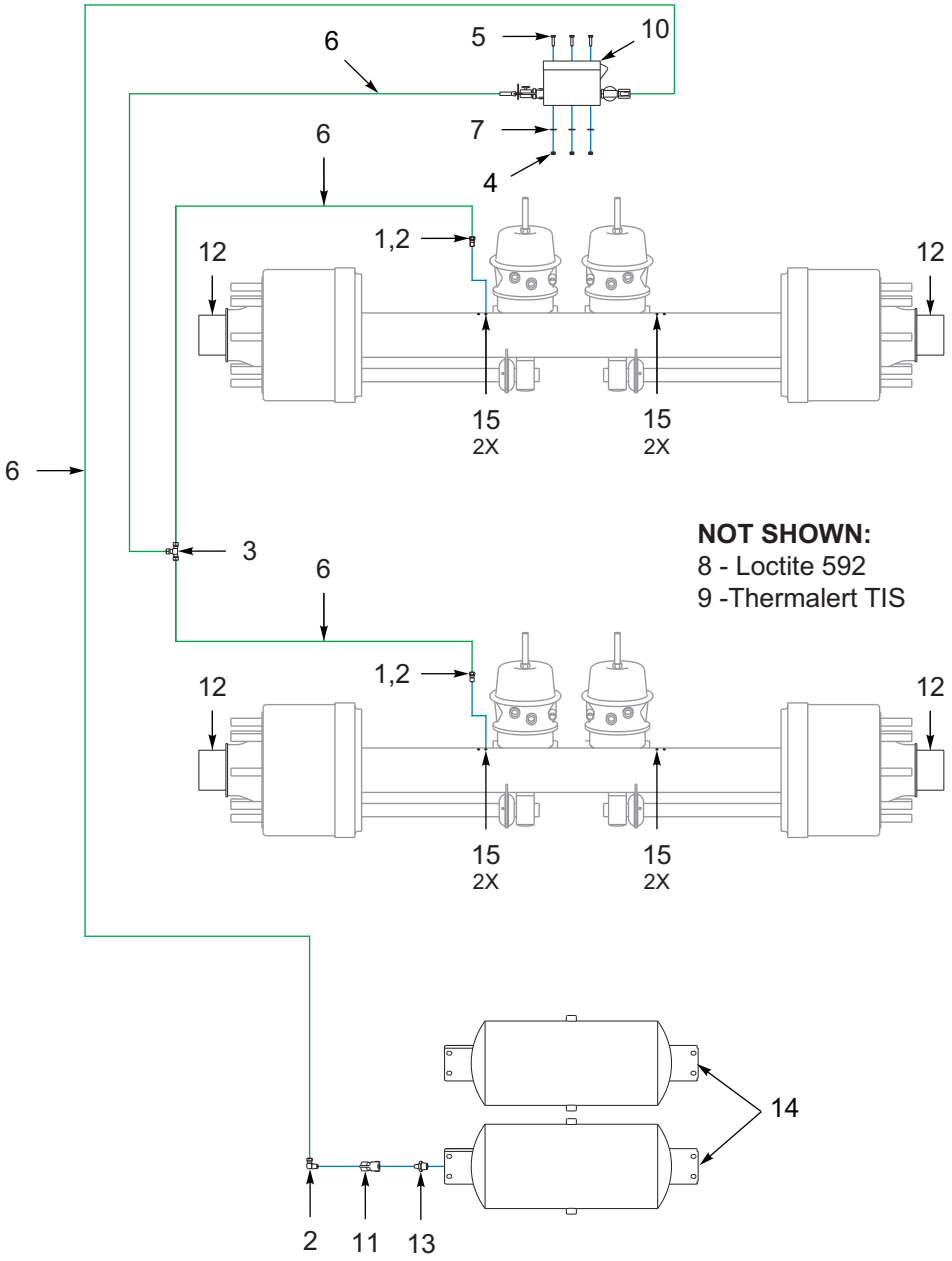


Figure 8-58: Tire Inflation, 2 Axle (Option)

Tire Inflation, 2 Axle (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212401	SUSP 440B2512-70.5THERM TIS	- -
1	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT **(BEFORE 10/09/2024)**	2
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT **(INCLUDED WITH ITEM 9) (BEFORE 10/09/2024, REQ 1) (AFTER 10/09/2024, REQ 3)**	3
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4 **(INCLUDED WITH ITEM 9)**	1
4	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
5	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	3
6	- - - - -	TUBING NYLON 1/4 LT GREEN 25FT **(INCLUDED WITH ITEM 9)**	- -
7	1-861-010032-07	WASHER,FLAT 1/4 ZP	3
8	115629	LOCTITE 592 250ML TUBE **(NOT SHOWN)**	.25
9	168593	THERMALERT TIS 2 AXLE **(INCLUDES ITEMS 2-3, 6, 10, 13) (COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-113)**	1
10	168618	THERMALERT CONTROL BOX **(INCLUDED WITH ITEM 9) (ELECTRICAL SYSTEM - SEE PAGE 8-113)**	1
11	168610	THERMALERT PRESS PROT VALVE **(INCLUDED WITH ITEM 9)**	- -
12	197318	HUB CAP TIS GREASE AXLE **(OPTION) (PER AXLE) (COMPONENTS - SEE PAGE 8-113)**	2
12	197613	HUB CAP TIS OIL AXLE **(STANDARD) (PER AXLE) (COMPONENTS - SEE PAGE 8-113)**	2
13	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE **(INCLUDED WITH ITEM 9)**	1
14	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
15	1-560-010002-02	PLUG, PIPE, 1/4NPT **(BEFORE 10/09/2024, AXLES CAME WITH 3 AIR HOLES, UNUSED AIR HOLES WERE WELDED SHUT) (AFTER 10/09/2024, AXLES COME WITH 4 HEX PLUGGED AIR HOLES, UNUSED AIR HOLES MUST REMAIN SEALED)**	1

Tire Inflation, 3 Axle (Option)

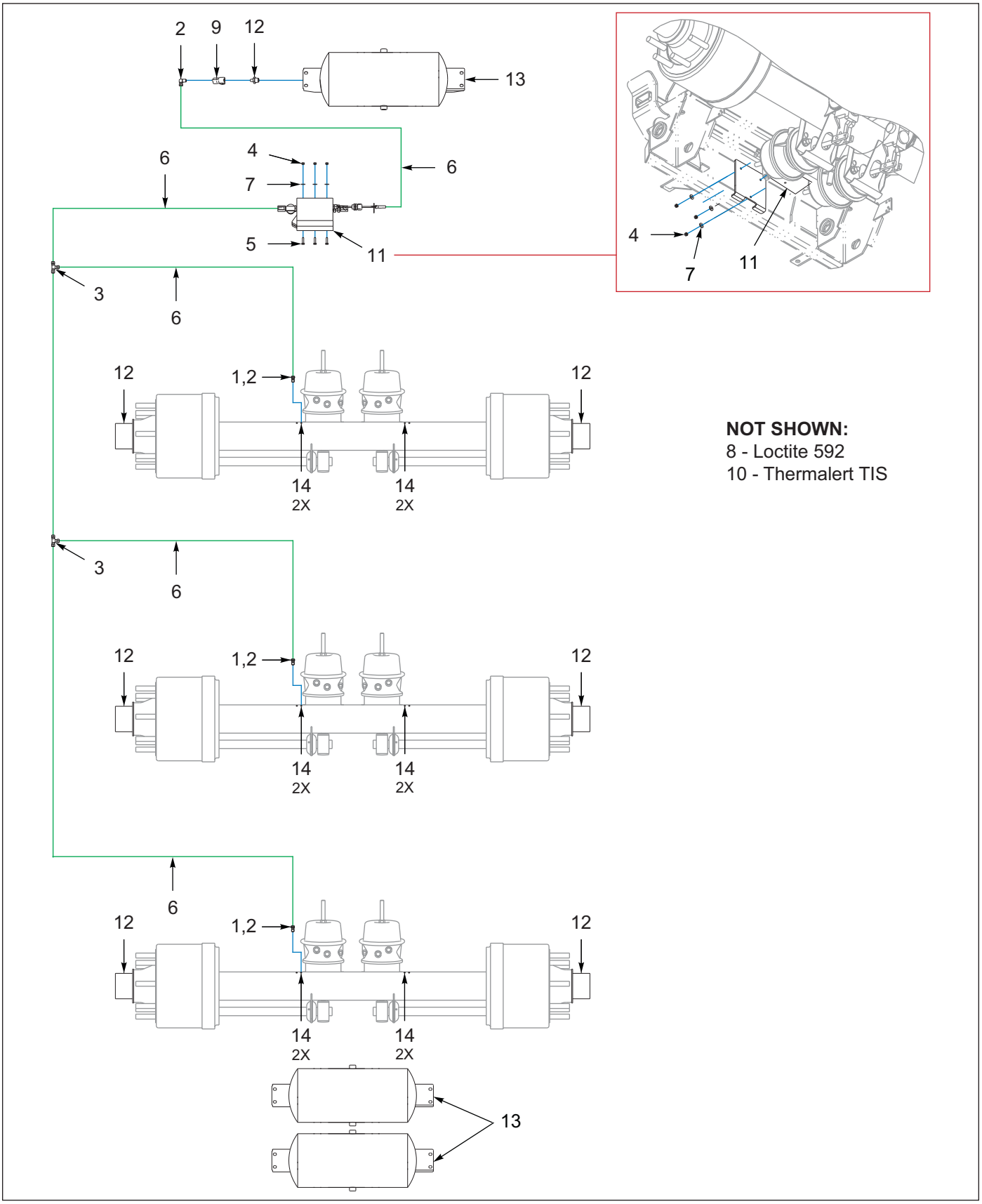
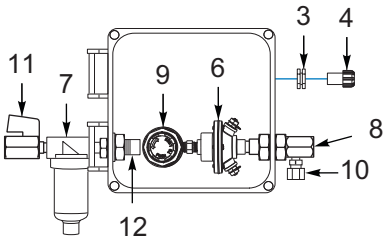


Figure 8-59: Tire Inflation, 3 Axle (Option)

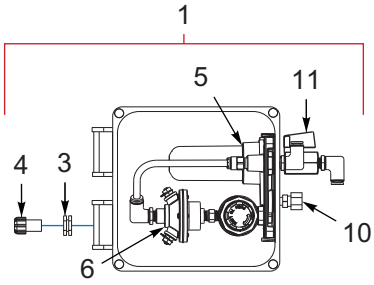
Tire Inflation, 3 Axle (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	197323	SUSP455A-102 2512-70.5THER TIS	- -
1	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT **(BEFORE 10/09/2024)**	3
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT **(INCLUDED WITH ITEM 10) (BEFORE 10/09/2024, REQ 1) (AFTER 10/09/2024, REQ 4)**	4
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4 **(INCLUDED WITH ITEM 10)**	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	- - - - -	TUBING NYLON 1/4 LT GREEN 25FT **(INCLUDED WITH ITEM 10)**	- -
7	1-861-010032-07	WASHER,FLAT 1/4 ZP	3
8	115629	LOCTITE 592 250ML TUBE **(NOT SHOWN)**	.25
9	168610	THERMALERT PRESS PROT VALVE **(INCLUDED WITH ITEM 10)**	1
10	195395	THERMALERT TIS 3 AXLE **(INCLUDES ITEMS 2-3, 6, 9, 11, 13) (COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-113)**	1
11	168618	THERMALERT CONTROL BOX **(INCLUDED WITH ITEM 10) (ELECTRICAL SYSTEM - SEE PAGE 8-113)**	1
12	197613	HUB CAP TIS OIL AXLE **(STANDARD) (PER AXLE) (COMPONENTS - SEE PAGE 8-113)**	2
12	197318	HUB CAP TIS GREASE AXLE **(OPTION) (PER AXLE) (COMPONENTS - SEE PAGE 8-113)**	2
13	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE **(INCLUDED WITH ITEM 10)**	1
14	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	3
15	1-560-010002-02	PLUG, PIPE, 1/4NPT **(BEFORE 10/09/2024, AXLES CAME WITH 3 AIR HOLES, UNUSED AIR HOLES WERE WELDED SHUT) (AFTER 10/09/2024, AXLES COME WITH 4 HEX PLUGGED AIR HOLES, UNUSED AIR HOLES MUST REMAIN SEALED)**	1

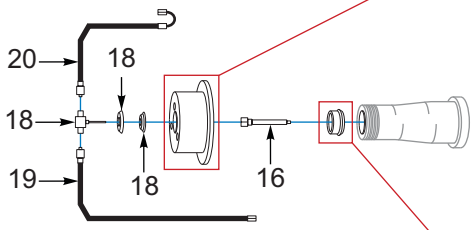
Tire Inflation Components & Electrical System (Option)

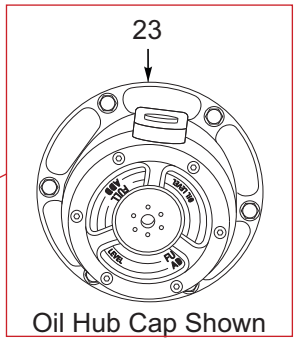


Before 08/01/2019

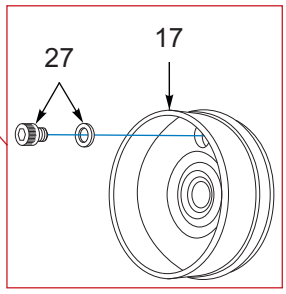


After 08/01/2019



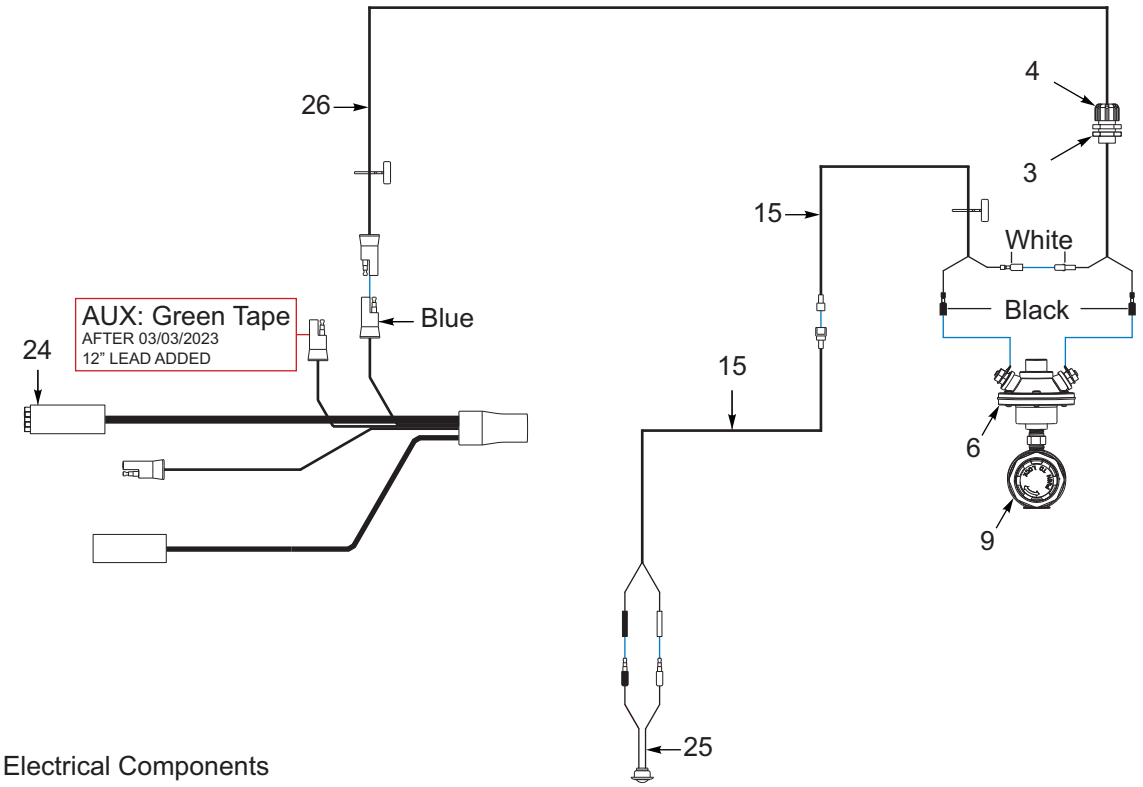


Oil Hub Cap Shown



NOT SHOWN:
2 - Control Box Lid
13 - Tubing Nylon, 1/4 Inch, LT Green
14 - Pressure Protection Valve
21 - Orange Decal
22 - Yellow Decal

Air Components



Electrical Components

Figure 8-60: Tire Inflation Components & Electrical System (Option)

Tire Inflation Components & Electrical System (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	168593	THERMALERT TIS 2 AXLE **(INCLUDES ITEMS 1-23)**	- -
	195395	THERMALERT TIS 3 AXLE **(INCLUDES ITEMS 1-23)**	- -
1	168618	THERMALERT CONTROL BOX **(OLD STYLE - 08/01/2019 INCLUDES ITEMS 2-4, 6-12)** **(NEW STYLE - AFTER 08/01/2019 INCLUDES ITEMS 2-6, 10-11)**	1
2	216705	CONTROL BOX LID **(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 (NEW STYLE) **(NEW STYLE - AFTER 08/01/2019)** **(INCLUDES PARTICULATE FILTER / BOWL, PRESSURE REGULATOR, GASKET, 4 SCREWS & 8 INCH AIR LINE)**	1
6	180229	FLOW SENSING SWITCH	1
7	180228	SELF-DRAINING FILTER **(OLD STYLE - 08/01/2019)**	1
8	216707	BULKHEAD FITTING	1
9	180224	PRESSURE REGULATOR VALVE **(OLD STYLE - 08/01/2019)**	1
10	180225	PETCOCK	1
11	180223	SHUT-OFF VALVE	1
12	180227	BULKHEAD/CHECK VALVE **(OLD STYLE - 08/01/2019)**	1
13	- - - - -	TUBING NYLON 1/4 LT GREEN 25FT **(AIR SYSTEM - SEE PAGE 8-109 & 8-111)**	1
14	168610	THERMALERT PRESS PROT VALVE **(AIR SYSTEM - SEE PAGE 8-109 & 8-111)**	1
15	168613	THERMALERT WIRING HARNESS	1
16	168616	THERMALERT STATOR & FILTER ASM **(PER AXLE)**	2
17	168617	THERMALERT PRESS PLUG ASSY **(PER AXLE)** **(INCLUDES ITEM 27)**	2
18	178592	THRU TEE ASSEMBLY 4.25" **(PER AXLE)** **(INCLUDES SHIELD & VENT CAP)**	2
19	180839	TIS LONG HOSE **(17" LONG) (PER AXLE)**	2
20	180840	TIS SHORT HOSE **(13-1/2" LONG) (PER AXLE)**	2
21	205836	ORANGE LIGHT WARNING DECAL TIS **(NOT SHOWN)**	1
22	205837	YLW TRAILER WARNING DECAL TIS **(NOT SHOWN)**	2
23	197318	HUB CAP TIS GREASE AXLE **(OPTION) (PER AXLE)**	2
23	197613	HUB CAP TIS OIL AXLE **(STANDARD) (PER AXLE)**	2
24	143103	HARNESS ECHAIN GROTE **(AFTER 03/03/2023, 12" LEAD ADDED)**	- -
25	183413	LIGHT,WH T LED .75 CL/MK GROTE	1
26	202207	HARNESS MOD, TIS POWER ASSY	1
27	228069	THERMALERT THERMAL PLUG KIT **(INCLUDES 1 PLUG AND 1 GASKET) (INCLUDED WITH ITEM 17)**	1

Valve Assembly, Air Booster

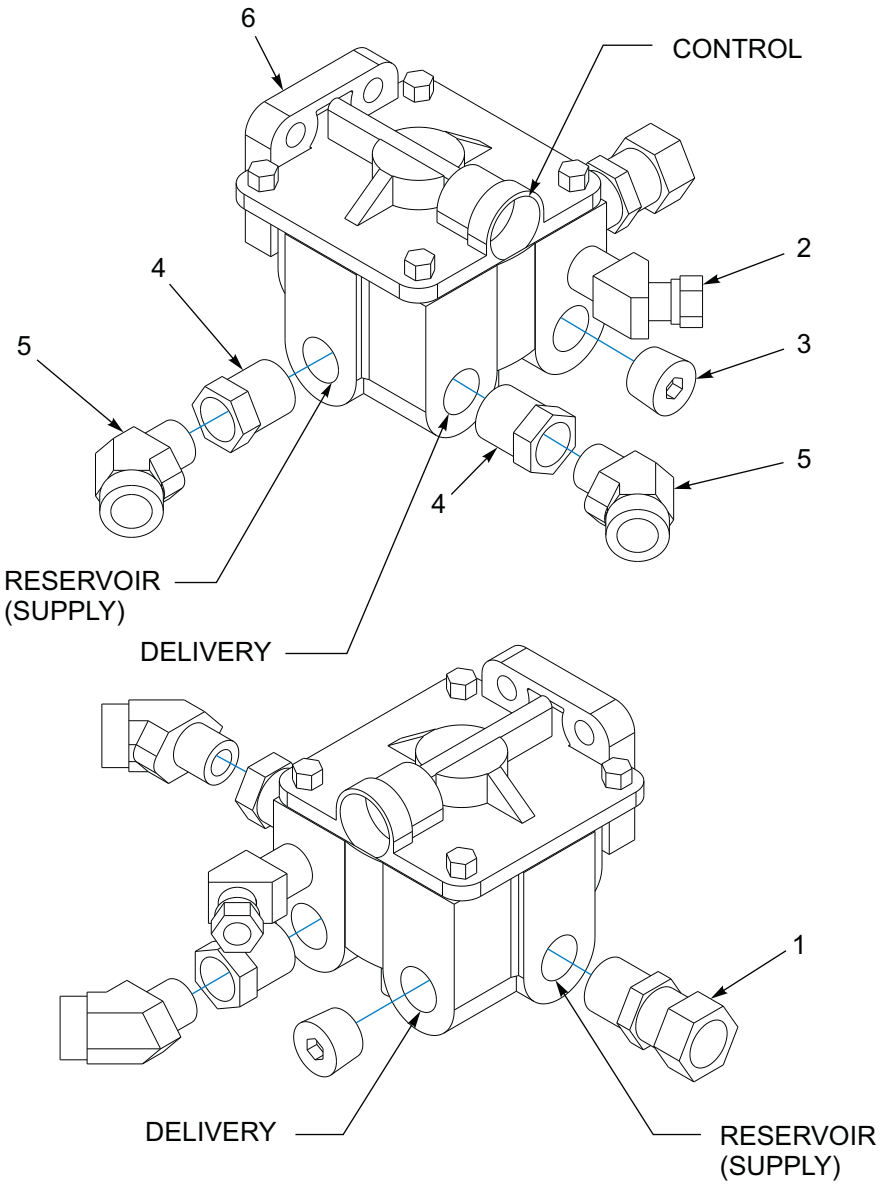


Figure 8-61: Valve Assembly, Air Booster

Valve Assembly, Air Booster

ITEM	PART NUMBER	DESCRIPTION	QTY.
	141607	VALVE ASSEMBLY, AIR BOOSTER	- -
1	1-297-010007-16	FITTING, AIR	1
2	1-297-010013-12	FITTING, AIR 45	1
3	1-560-010002-04	PLUG, PIPE, 1/2	1
4	2081-8-6S	REDUCER	2
5	2088-6-6S	ADAPTER, 45	2
6	3-843-010038	VALVE, AIR RELAY-FAST AIR BALANCE	1

Winch Install (See Retrieval System (Options))

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010144-01	WINCH, 12K SPRING TENSION **(BRADEN 12K)** **(SEE PAGE 7-1)**	- -
	3-873-010140-01	WINCH, 20K SPRING TENSION **(BRADEN 20K, 1-SPEED)** **(SEE PAGE 7-3)**	- -
	162415	WINCH, 20K GUIDE AIR TENSION/RELEASE **(BRADEN 20K, 1-SPEED)** **(SEE PAGE 7-5)**	- -
	240553	WINCH INSTL 20K BRADEN 2SP STD **(20K)** **(SEE PAGE 7-11)**	- -
	240563	WINCH INSTL 30K BRADEN 2SPD **(30K)** **(SEE PAGE 7-11)**	- -
	240529	WINCH INSTL 20K RAMSEY 2SP STD**(20K STD GN)** **(SEE PAGE 7-13)**	- -
	240532	WINCH INST 30K RAMSEY 2SPD STD **(30K STD GN)** **(SEE PAGE 7-13)**	- -
	240534	WINCH INST 30K RAMSEY 2SPD HD **(30K HD GN)** **(SEE PAGE 7-13)**	- -
	167522	WINCH INSTL 20K WARN 2SP STD **(20K STD GN)** **(SEE PAGE 7-15)**	- -
	174175	WINCH INSTL 20K WARN 2SP HD **(20K HD GN)** **(SEE PAGE 7-15)**	- -
	172878	WINCH INSTALLATION, 30K 2 SPEED **(30K)** **(SEE PAGE 7-15)**	- -

System, Electrical

Trailer (Before 6/23/2023)

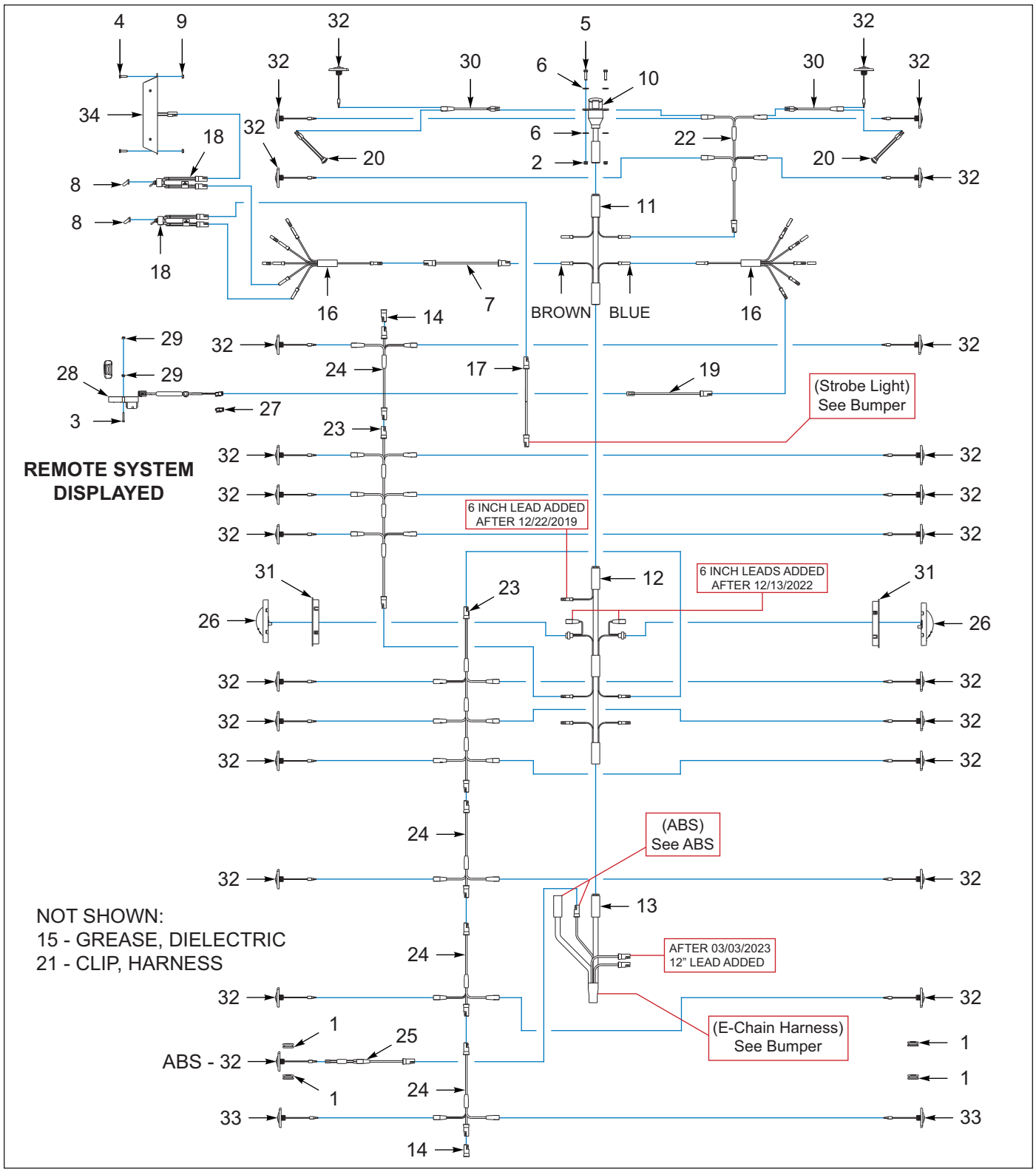


Figure 9-1: Trailer (Before 6/13/2023)

Trailer (Before 6/23/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212396	HYD ELECT AIR 440B-41 RMT **(REMOTE)**	- -
	212397	HYD ELECT AIR 440B-41 NO RMT **(NO REMOTE)**	- -
	214442	HYD ELECT AIR 455B-48/50CA **(REMOTE)**	- -
	214443	HYD ELECT AIR 455B-48/50CA NR **(NO REMOTE)**	- -
1	1-343-010006	GROMMET	4
2	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	2
3	1-654-010024055	SCREW,MACH,FLSTR,#10-24X1-1/4 **(REMOTE)**	2
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	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	4
7	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	1
8	81264	RUBBER BOOT FOR ELECT SWITCH	2
9	108417	NUT SPIRAL 1/4-20HX FG	2
10	143100	HARNESS 7WAY RECP GROTE	1
11	143101	HARNESS FRONT MAIN GROTE	1
12	143102	HARNESS BED MAIN GROTE	1
13	143103	HARNESS ECHAIN GROTE **(AFTER 03/03/2023, 12" LEAD ADDED)**	1
14	143121	DUMMY PLUG MALE/FEM BULLET	1
15	143123	GREASE DIELECTRIC 4 OZ TUBE	0.5
16	150093	HARNESS 5 AUX BRANCHES GROTE **(REMOTE REQ 2 EACH) (NO REMOTE REQ 1 EACH)**	- -
17	150111	HARNESS 300 IN MALE.FEMALE	1
18	150117	SWITCH ASSY LIGHT GROTE	2
19	186882	HARNESS,CONTROL VALVE,DUETSCH **(REMOTE - 08/01/2019)**	1
19	164052	HARNESS,60"BRANCH,WORK LIGHT **(REMOTE - AFTER 08/01/2019)**	1
20	183413	LIGHT,WHT LED .75 CL/MK GROTE	2
21	187833	CLIP HARNESS, CROSS-MEMBER	60
22	187855	HARNESS MARKER UPR DECK	1
23	187856	HARNESS MARKER MID DECK	2
24	187857	HARNESS MARKER ADDITION **(LENGTH DETERMINES QTY)**	1
25	187858	HARNESS ABS LAMP MICRONOVA	1
26	187868	LIGHT MID-TURN LED CLEAR LENS	2
27	194407	PLUG ASSY DUMMY DEUTSCH 2 PIN **(NO REMOTE)**	6
28	168648	RECEIVER/TRANS MACRO KAR SL AX **(SEE PAGE 9-49)** **(REMOTE - 08/01/2019)**	1
28	209100	REMOTE KIT BRAND 6 FUNC SLIDE **(SEE PAGE 9-51)** **(REMOTE AFTER 08/01/2019)**	1
29	212074	NUT 10-24 FLANGE HD SERRATED **(REMOTE)**	4
30	213290	HARNESS 6" MKR EXTENSION	2
31	143114	GROMMET OVAL GROTE (**BLACK PVC)**	2
31	213296	FLANGE CHROME FLAT OBLONG **(CHROME ABS PLASTIC)**	2
32	213297	LIGHT YEL CLEAR LENS MKR **(LENGTH DETERMINES QTY)**	19
33	213298	LIGHT RED CLEAR LENS MKR	2
34	213304	LIGHT ASSY CONTROL PANEL **(COMPONENTS - SEE PAGE 9-25)**	1

Trailer (After 6/23/2023)

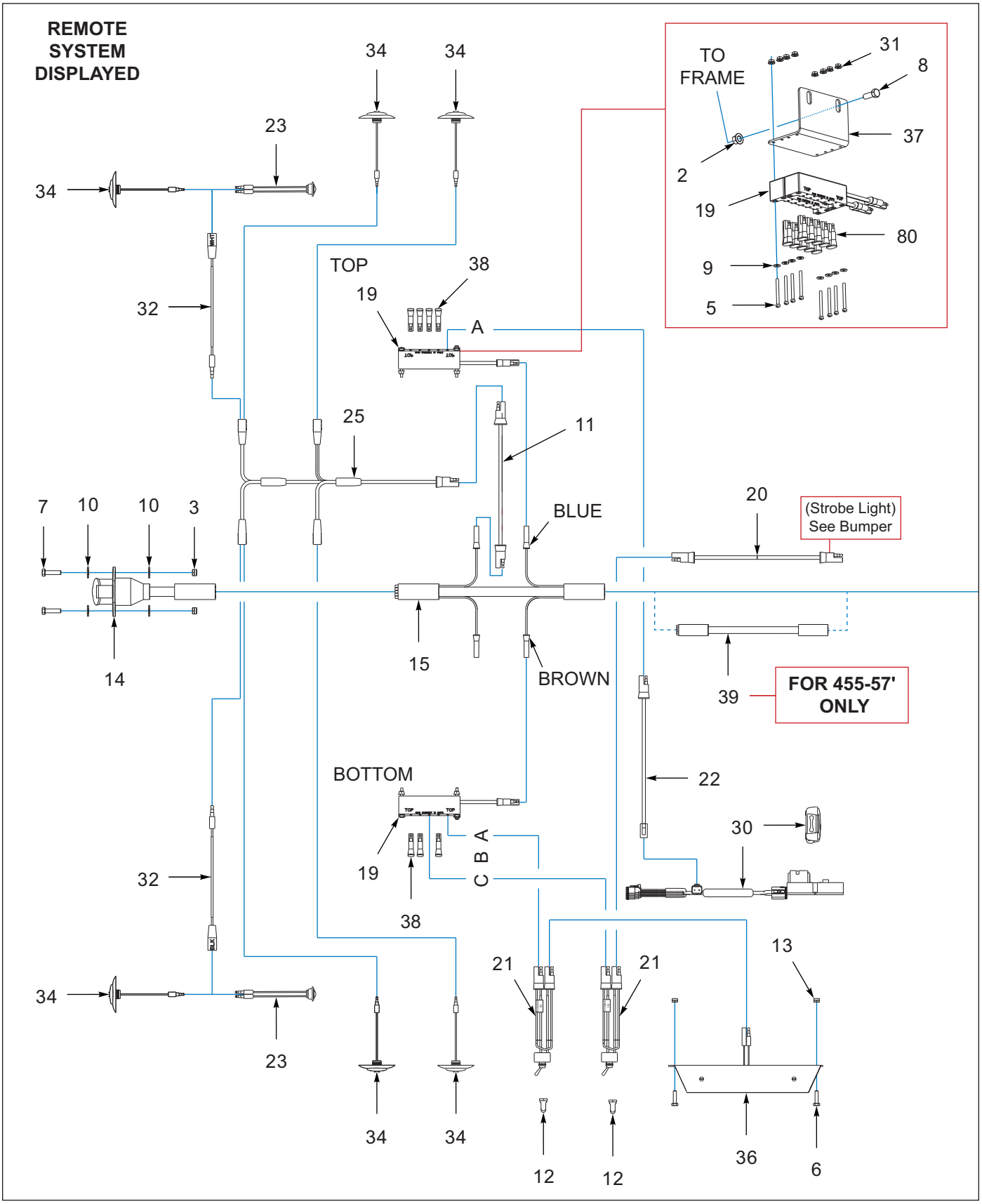


Figure 9-2: Trailer (After 6/13/2023) (1 of 2)

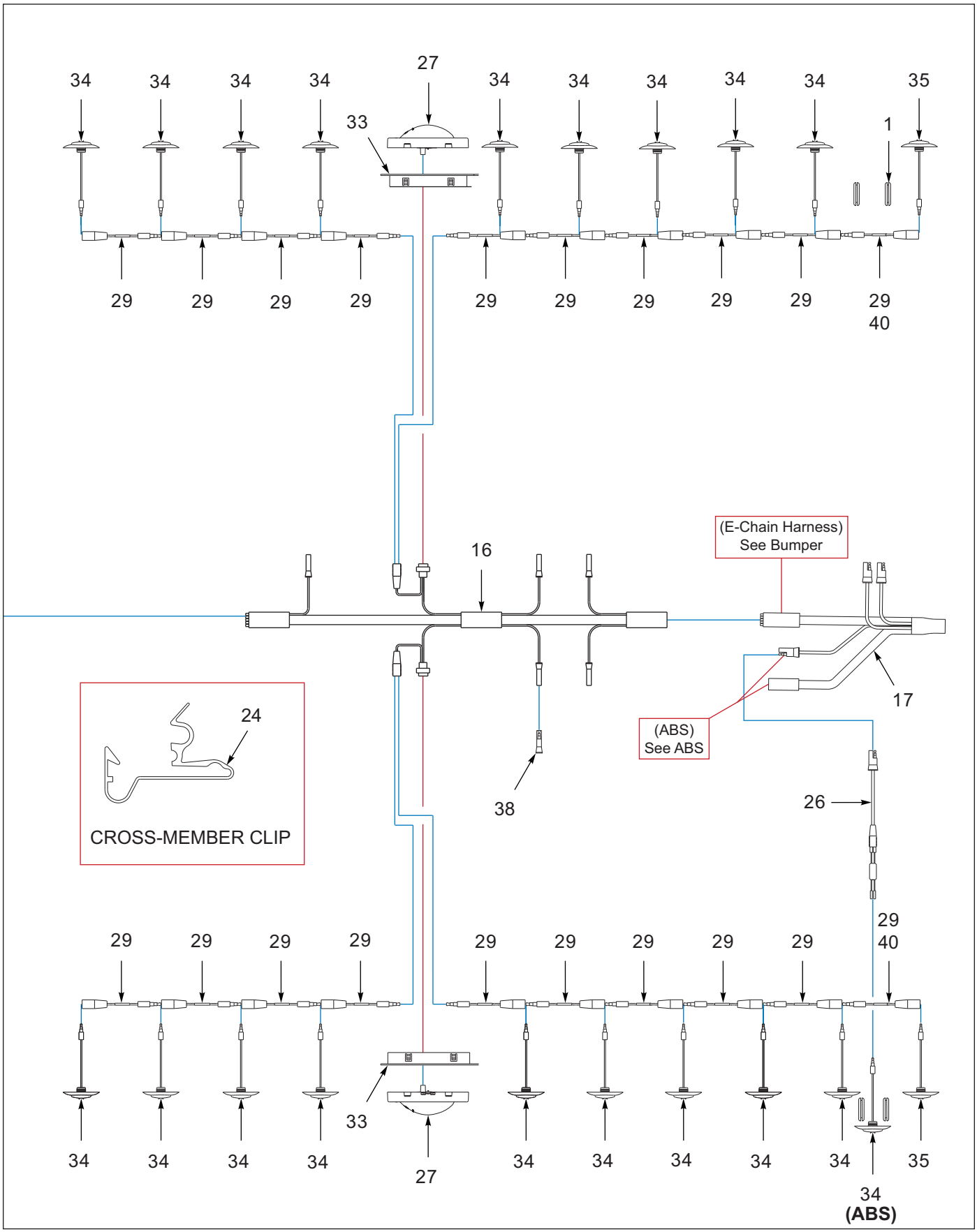


Figure 9-3: Trailer (After 6/13/2023) (2 of 2)

Trailer (After 6/23/2023)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212396	HYD ELECT AIR 440B-41 RMT **(REMOTE)**	- -
	212397	HYD ELECT AIR 440B-41 NO RMT **(NO REMOTE)**	- -
	214442	HYD ELECT AIR 455B-48/50CA **(REMOTE)**	- -
	214443	HYD ELECT AIR 455B-48/50CA NR **(NO REMOTE)**	- -
1	1-343-010006	GROMMET	4
2	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	1
3	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	2
4	1-654-010024055	SCREW,MACH,FLSTR,#10-24X1-1/4 **(REMOTE)**	2
5	1-654-010024058	SCREW MACH. SLOT FILL. HD ZP	8
6	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
7	1-654-010049-06	SCREW,H/CAP,5/16-18UNCX1-1/4	2
8	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	1
9	1-861-010032-03	WASHER, FLAT #10 ZP/CD	8
10	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	4
11	3-368-010252	HARNESS ASSY BKHD LIGHT EXT **(455B ONLY)**	1
12	81264	RUBBER BOOT FOR ELECT SWITCH	2
13	108417	NUT SPIRAL 1/4-20HX FG	2
14	143100	HARNESS 7WAY RECP GROTE	1
15	143101	HARNESS FRONT MAIN GROTE	1
16	143102	HARNESS BED MAIN GROTE	1
17	143103	HARNESS ECHAIN GROTE	1
18	143123	GREASE DIELECTRIC 4 OZ TUBE	0.50
19	148874	POWER STRIP, OPTL TRLR FCTN	2
20	150111	HARNESS 300 IN MALE.FEMALE	1
21	150117	SWITCH ASSY LIGHT GROTE **(455 REQ, 1 EACH)**	req
22	164052	HARNESS 60" 2 PIN DEUTSCH **(REMOTE)**	1
23	183413	LIGHT,WHT LED .75 CL/MK GROTE	2
24	187833	CLIP HARNESS, CROSS-MEMBER	100
25	187855	HARNESS MARKER UPR DECK	1
26	187858	HARNESS ABS LAMP MICRONOVA	1
27	187868	LIGHT MID-TURN LED CLEAR LENS	2
28	194407	PLUG ASSY DUMMY DEUTSCH 2 PIN **(NO REMOTE)**	6
29	204194	HARNESS MARKER EXT. 60" **(440-41' QTY 14) (440-45' QTY 16 EA) (440-48' QTY 18 EA) (440-50' QTY 18 EA) (440-53' QTY 20 EA) (455-48/50' QTY 16 EA) (455-53/55' QTY 18 EA) (455-57/59' QTY 20 EA)**	14
30	209100	REMOTE KIT BRAND 6 FUNC SLIDE **(SEE PAGE 9-51) (REMOTE AFTER 08/01/2019)**	1
31	212074	NUT 10-24 FLANGE HD SERRATED **(455-REMOTE QTY 12 EA) (455-REMOTELESS QTY 8 EA)**	12
32	213290	HARNESS 6" MKR EXTENSION	2
33	213296	FLANGE CHROME FLAT OBLONG **(CHROME ABS PLASTIC)**	2
33	143114	GROMMET OVAL GROTE (**BLACK PVC)**	2
34	213297	LIGHT YEL CLEAR LENS MKR **(440-41' QTY 19) (440-45' QTY 21 EA) (440-48' QTY 23 EA) (440-50' QTY 23 EA) (440-53' QTY 25 EA) (455 48' & 50' REQ 23 EA) (455-53' REQ 25 EA) (455-57' & 57'HD REQ 27 EA)**	19
35	213298	LIGHT RED CLEAR LENS MKR	2
36	213304	LIGHT ASSY CONTROL PANEL **(COMPONENTS - SEE PAGE 9-25)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
37	242507	MOUNT POWER STRIP 400	1
38	143121	DUMMY PLUG MALE/FEM BULLET	1
39	143166	HARNESS EXT 48IN GROTE **(455-57'HD ONLY QTY 1 EA)**	1
40	225262	HARNESS,84" MKR EXTENSION **(455 ONLY)**	2

Bumper Assembly

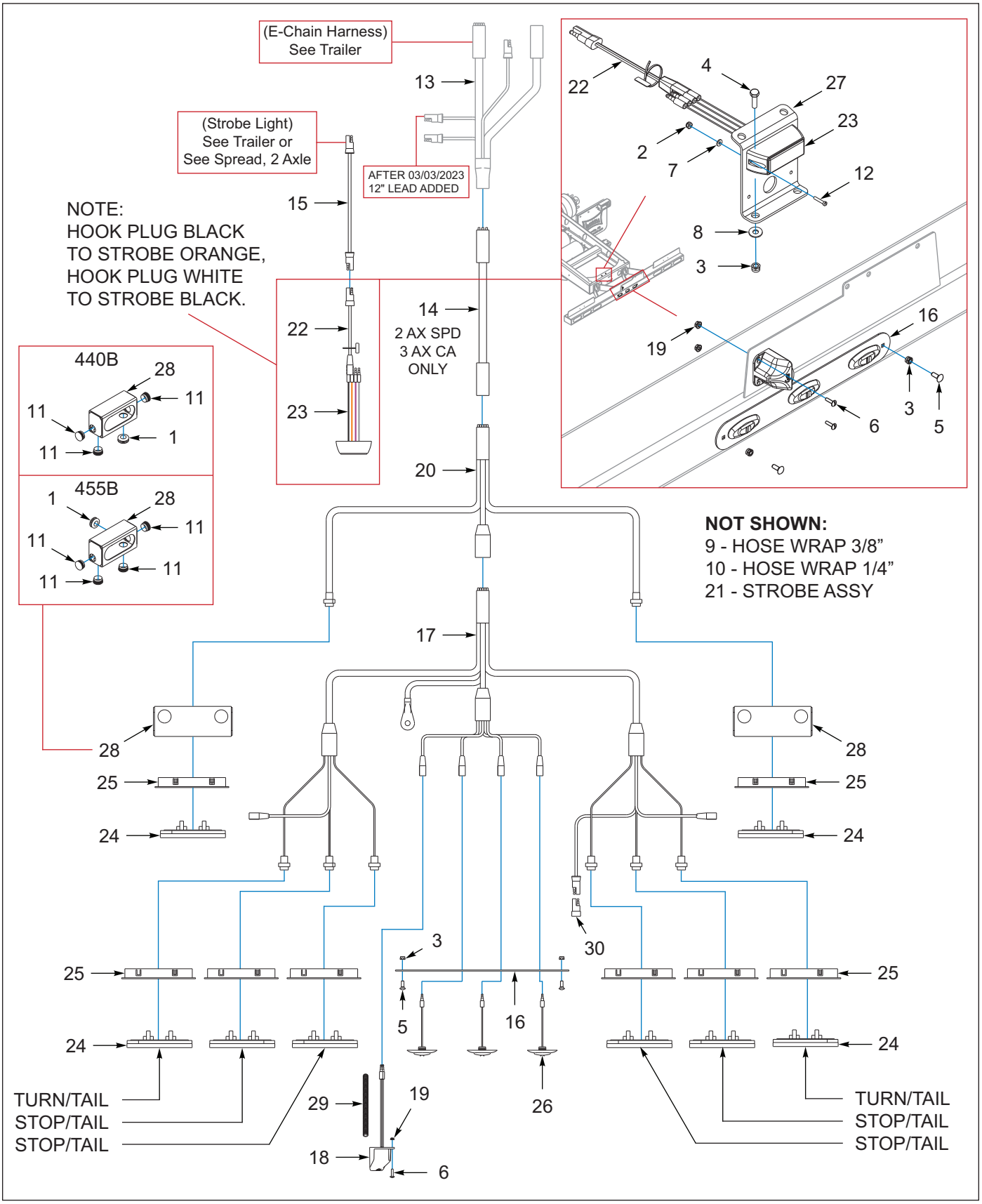


Figure 9-4: Bumper Assembly

Bumper Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-343-010006	GROMMET	2
2	1-512-010003-02	NUT,HEX,SLFLKG W/NYL #6-32	2
3	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(2 EACH, INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	4
4	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
5	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4 **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	2
6	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	2
7	1-861-010032-01	WASHER, FLAT #6 ZP/CD	2
8	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
9	43028	HOSE WRAP AEROQUIP 3/8 **(BY THE FOOT)** **(3 AXLE ONLY) (PROTECTIVE WRAP ITEM 17)**	4
10	43029	HOSE WRAP AEROQUIP 1/4 **(BY THE FOOT)** **(2 AXLE, 2 FOOT) (3 AXLE, 3 FOOT) (USED ON ITEM 17)**	- -
11	116324	PLUG,PLAST PANEL1-5/16&1-7/16 **(2 AXLE, 6 EACH) (2 AXLE SPREAD, 3 AXLE, 8 EACH)**	- -
12	122187	SCREW,MACH SLOT FILL 6-32X3/4	2
13	143103	HARNESS ECHAIN GROTE **(AFTER 03/03/2023, 12" LEAD ADDED)**	1
14	143166	HARNESS EXT 48IN GROTE **(2 AXLE SPREAD, 3 AXLE CA TRAILERS ONLY)**	1
15	150111	HARNESS 300 IN MALE.FEMALE **(ALL EXCEPT 2 AXLE SPREAD)**	1
15	235745	HARNESS 144" M/F JUMPER **(2 AXLE SPREAD)**	1
16	179906	PLATE MTG MICRO ID LIGHTS **(INSTALLATION - SEE PAGE 2-9)** **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	1
17	187859	HARNESS BUMPER MICRONOVA GROTE **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	1
18	187860	LIGHT ASSY LICENSE LED GROTE **(COMPONENTS - SEE PAGE 9-26)** **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	1
19	212074	NUT 10-24 FLANGE HD SERRATED **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	2
20	213287	HARNESS JUMPER 12" TURN/TAIL	1
21	213294	STROBE ASSY LIGHT W/12"HARNESS **(INCLUDES ITEMS 22-23)**	1
22	213288	HARNESS 12" JUMPER ADAPTER **(INCLUDED IN ITEM 21)**	1
23	213293	LIGHT STROBE YELLOW CLASS 1 **(INCLUDED IN ITEM 21)**	1
24	213295	LIGHT CLEAR LENS S/T/T **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	8
25	213296	FLANGE CHROME FLAT OBLONG **(CHROME ABS PLASTIC)**	8
25	143114	GROMMET OVAL GROTE **(BLACK PVC)** **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	8
26	213298	LIGHT RED CLEAR LENS MKR **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	3
27	213305	BRACKET U/C CENTER STROBE	1
28	223257	MOUNT WLDMT MUDFLAP S/T/T GALV	2
29	254541	LOOM SPLIT 1/4" ID **(BY THE FOOT) (AFTER 08/26/2025)** **(INCLUDED WITH BUMPER KIT - SEE PAGE 2-9)**	1
30	143121	DUMMY PLUG MALE/FEM BULLET	1

ABS, Wabco

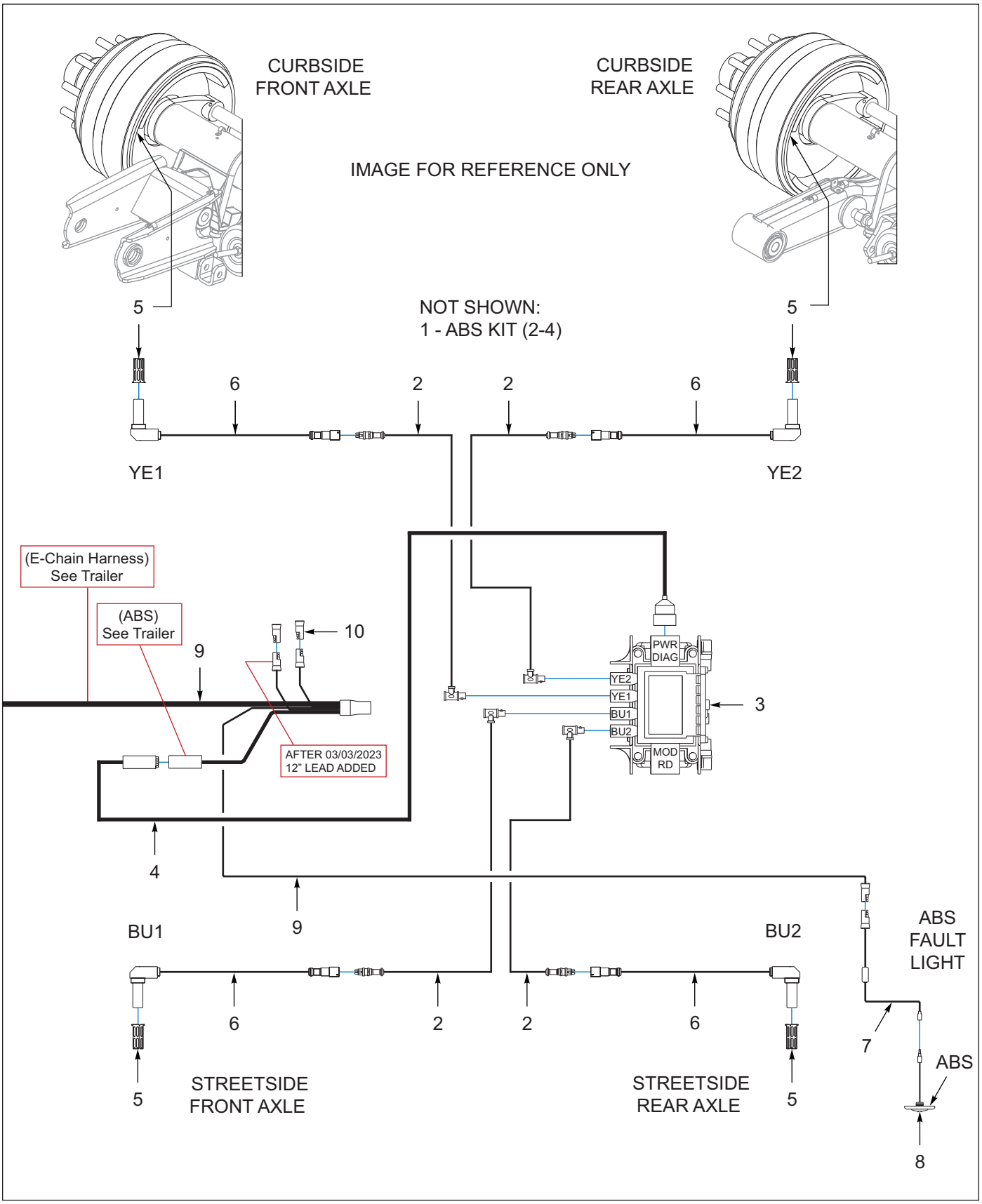


Figure 9-5: ABS, Wabco (1 of 2)

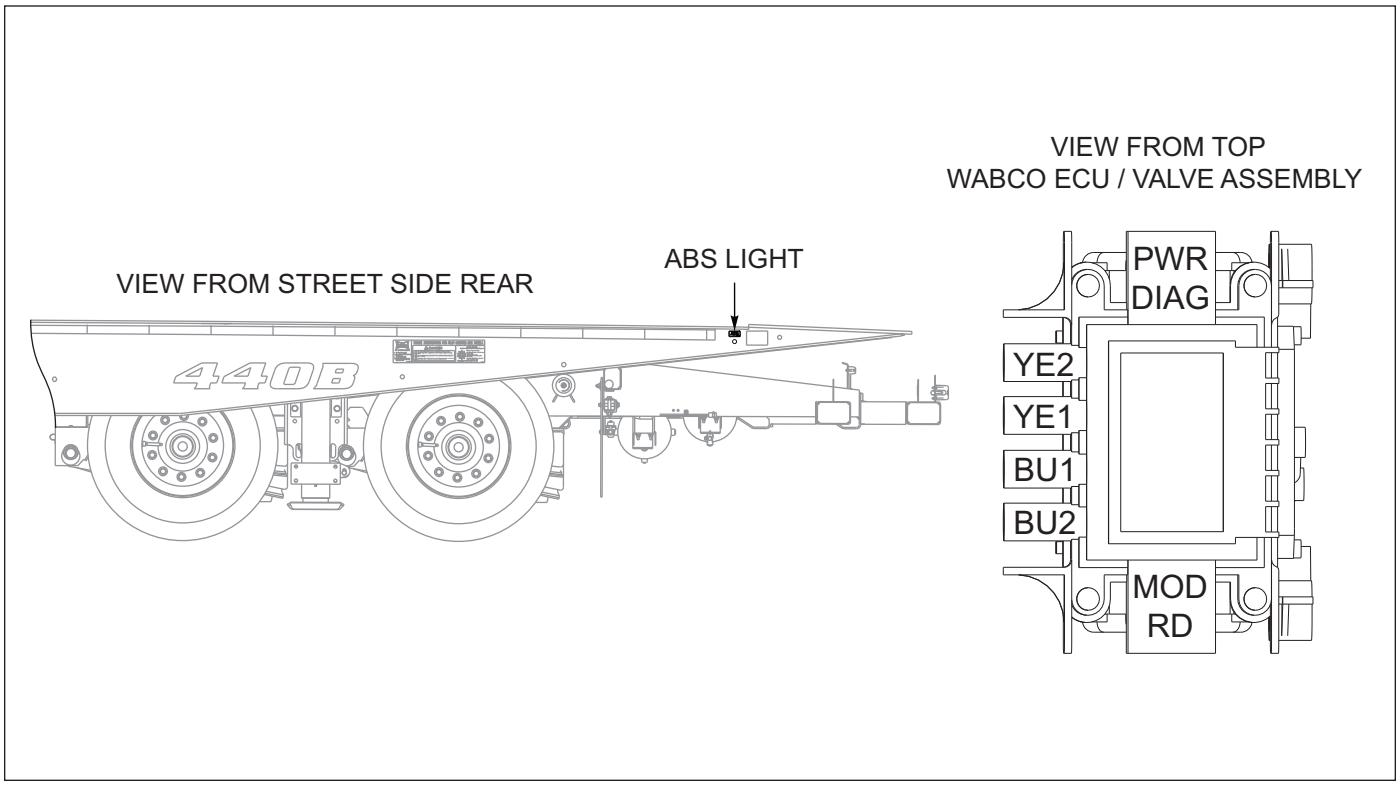


Figure 9-6: ABS, Wabco (2 of 2)

ABS, Wabco

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	114584	ABS KIT WABCO 4S/2M TAB **(2 AXLE) (INCLUDES ITEMS 2 - 101848, 3-4) (BEFORE 12/08/2021 - AFTER OBSOLETE USE 114586)**	- -
1	114586	ABS KIT WABCO 4S/2MTRI/SPREAD **(2 & 3 AXLE) (INCLUDES ITEMS 2 - 103861, 3-4) (2 AXLE ABS AIR SYSTEM - SEE PAGES 8-3 TO SEE PAGE 8-9) (3 AXLE ABS AIR SYSTEM - SEE PAGES 8-31 TO SEE PAGE 8-45)**	1
2	101848	SENSOR EXT. CABLE,1.78M,ABS **(2 AXLE - 70 INCH) (BEFORE 12/08/2021 - AFTER OBSOLETE USE 103861) (INCLUDED WITH ITEM 1, 114584)**	4
2	103861	SENSOR EXT CABLE-3M (10FT) **(2 & 3 AXLE - 118 INCH) (INCLUDED WITH ITEM 1, 114586)**	4
3	114588	ECU/VALVE ASSEMBLY 4S/2M **(INCLUDED WITH ITEM 1 - 114584, 114586)**	1
4	147464	POWER CABLE 4.0M **(13 FOOT) (INCLUDED WITH ITEM 1 - 114584, 114586)**	1
5	101849	ABS SENSOR SPRING CLIP	4
6	101847	ABS SENSOR CABLE-.4M (1FT) **(DRUM BRAKE AXLE) (1 FOOT)**	4
6	251219	ABS SNSR 0.5M STRAIGHT HALDEX **(DISC BRAKES) (1.5 FOOT)**	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	1

ABS, Wabco, Aqua (Option)

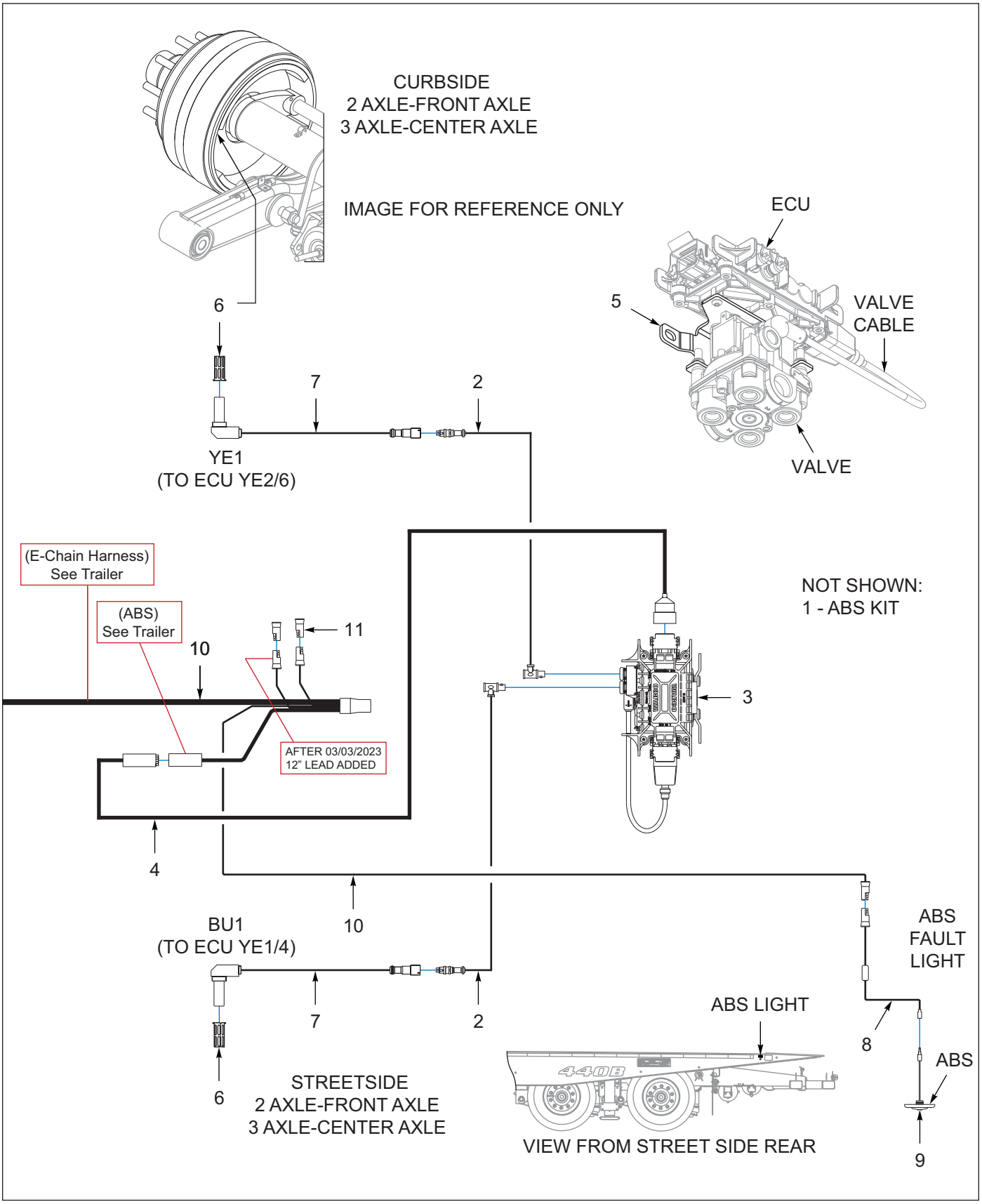


Figure 9-7: ABS, Wabco, Aqua (1 of 2)

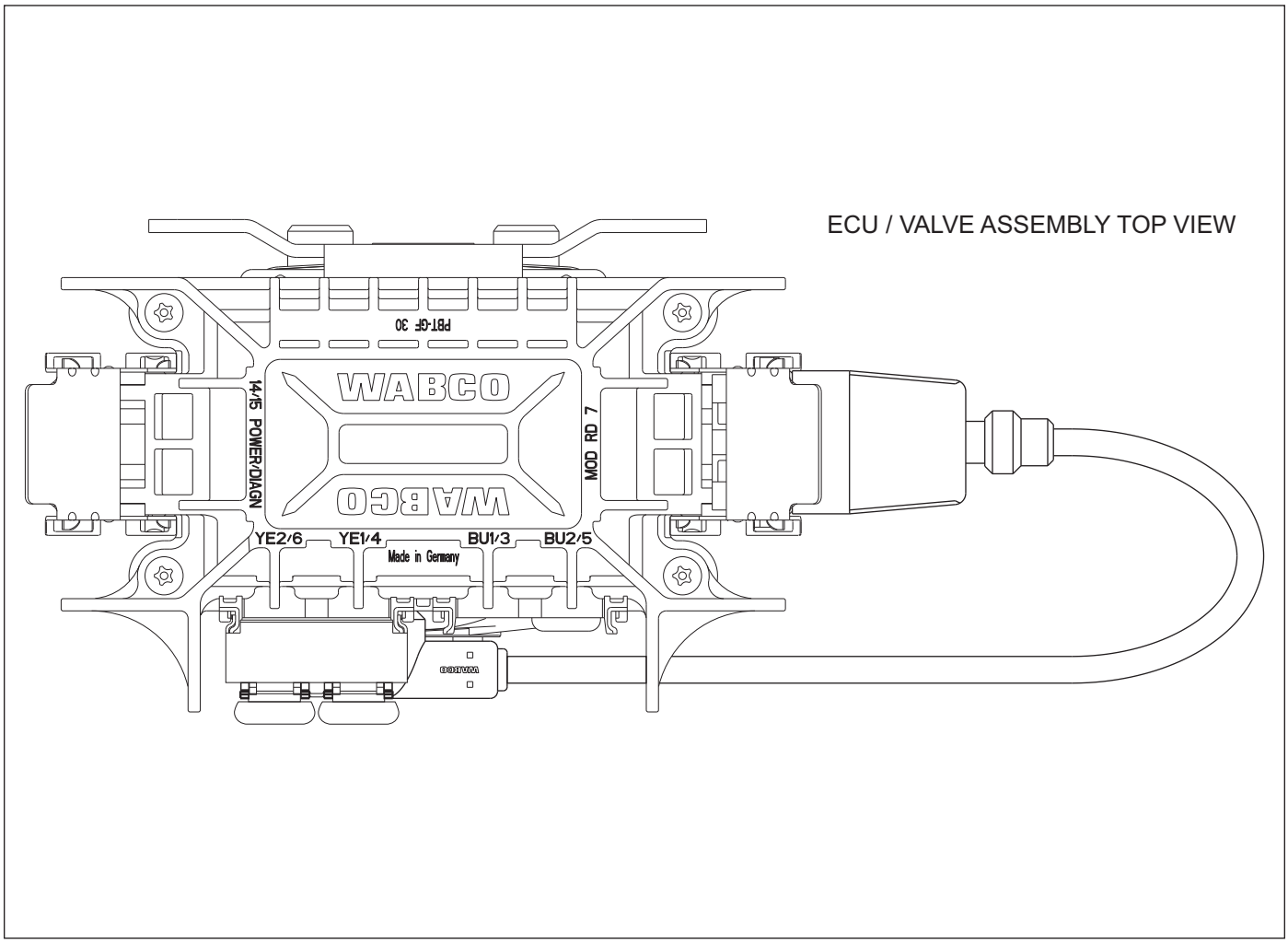


Figure 9-8: ABS, Wabco, Aqua (2 of 2)

ABS, Wabco, Aqua (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215487	SUSP 440B-102 SB GRT AQUA PKG	- -
	216223	SUSP 455B-CA-102 SB AQUA	- -
1	114585	ABS KIT WABCO 2S/1M SGL **(INCLUDES ITEMS 2-5)** **(2 AXLE ABS AIR SYSTEM - SEE PAGE 8-17)** **(3 AXLE ABS AIR SYSTEM - SEE PAGES 8-55 TO SEE PAGE 8-63)**	1
2	101848	SENSOR EXT. CABLE,1.78M,ABS **(INCLUDED WITH ITEM 1)**	2
3	114589	ECU/VALVE ASSEMBLY 2S/1M **(INCLUDED WITH ITEM 1)**	1
4	147464	POWER CABLE 4.0M **(INCLUDED WITH ITEM 1)**	1
5	238198	MOUNTING BRKT F/114585 **(INCLUDED WITH ITEM 1)**	1
6	101849	ABS SENSOR SPRING CLIP	4
7	101847	ABS SENSOR CABLE-.4M (1FT) **(DRUM BRAKE AXLE) (1 FOOT)**	4
7	251219	ABS SNSR 0.5M STRAIGHT HALDEX **(DISC BRAKES) (1.5 FOOT)**	4
8	187858	HARNESS ABS LAMP MICRONOVA **(288 INCH)**	1
9	213297	LIGHT YEL CLEAR LENS MKR	1
10	143103	HARNESS ECHAIN GROTE **(AFTER 03/03/2023, 12" LEAD ADDED)**	1
11	143121	DUMMY PLUG MALE/FEM BULLET	2

ABS, Haldex, 2 Axle

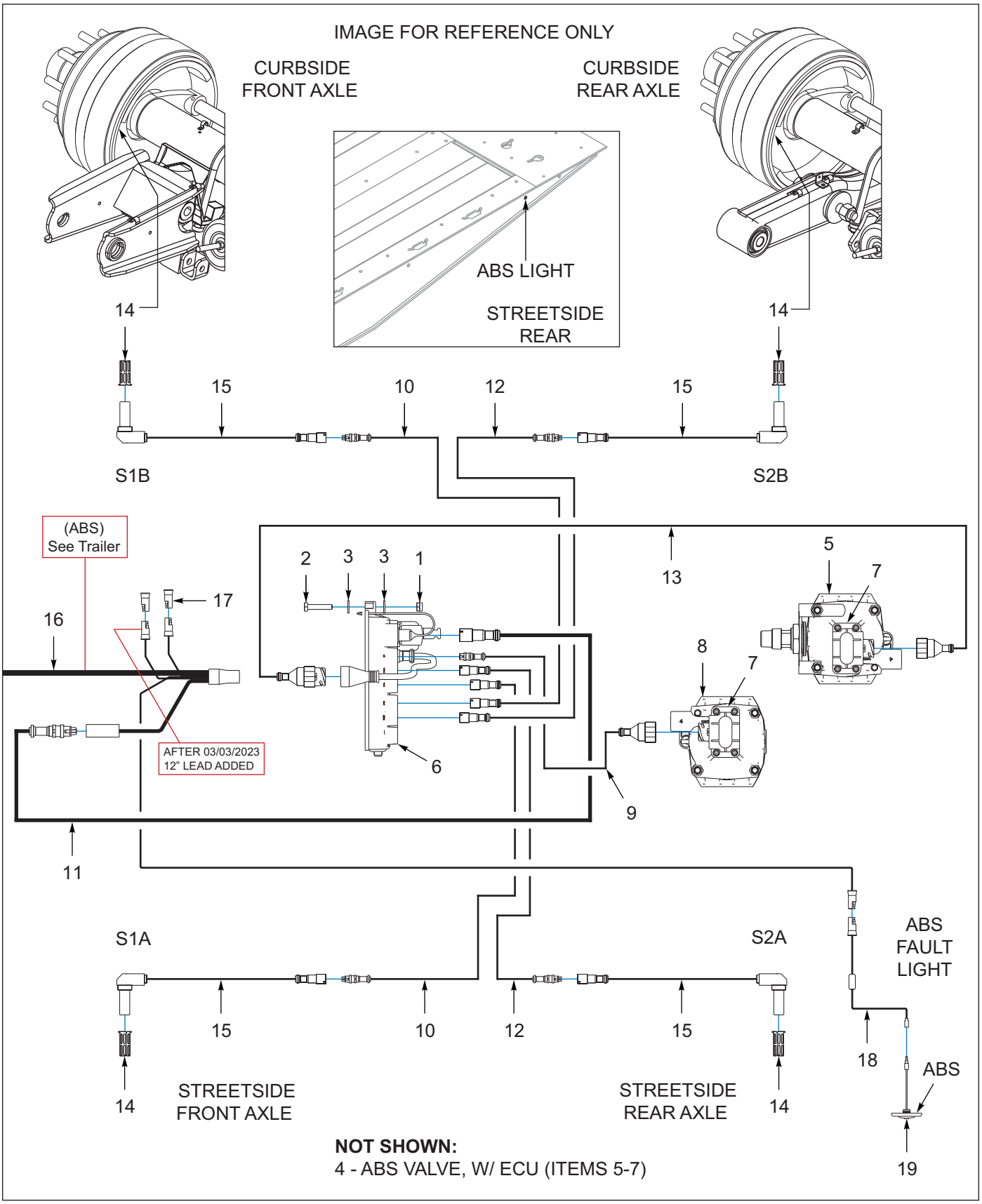


Figure 9-9: ABS, Haldex, 2 Axle (1 of 2)

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.

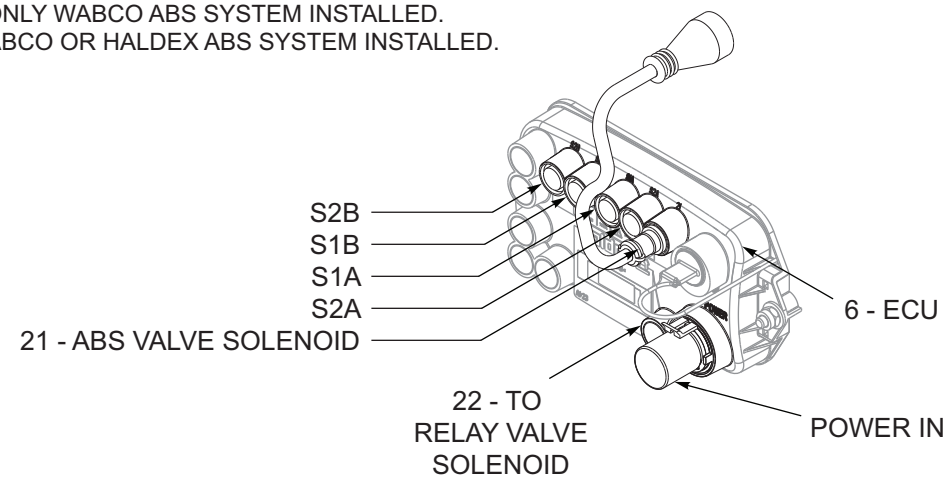


Figure 9-10: ABS, Haldex, 2 Axle (2 of 2)

ABS, Haldex, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	246058	ABS KIT HALDEX 4S/2M NO BRKT	- -
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) (AIR SYSTEM, 2 AXLE DISC, SEE PAGE 8-5) (AIR SYSTEM, 2 AXLE DRUM, SEE PAGE 8-13)**	1
5	239691	ABS VALVE FFABS 2 SER/4SPG BK **(2 AXLE - INCLUDED WITH ITEM 4) (INCLUDES ITEM 7) (ABS VALVE BODY WO/ ECU)**	1
6	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED) (INCLUDED WITH ITEM 4) (AUTO PROGRAMS WHEN INSTALLED)**	1
7	240510	SOLENOID KIT HALDEX ABS VALVE **(INCLUDED WITH ITEMS 4-5, 8)**	1
8	232779	RELAY VALVE ABS 12V HALDEX **(INCLUDES ITEM 7)**	1
9	232780	CABLE VALVE EXTN ABS 2M HALDEX **(78 INCH)**	1
10	232782	SENSOR EXT. ABS 2M HALDEX **(2 AXLE - 78 INCH)**	2
11	232783	CABLE ABS POWER 4M HALDEX **(157 INCH)**	1
12	246059	SENSOR EXTENSION ABS 4M HALDEX **(157 INCH)**	2
13	246060	VALVE EXT ABS 4M HALDEX M/F **(157 INCH)**	1
14	101849	ABS SENSOR SPRING CLIP	4
15	101847	ABS SENSOR CABLE-.4M (1FT) **(DRUM BRAKES) (1 FOOT)**	4
15	251219	ABS SNSR 0.5M STRAIGHT HALDEX **(DISC BRAKES) (1.5 FOOT)**	4
16	143103	HARNESS ECHAIN GROTE **(AFTER 03/03/2023, 12" LEAD ADDED)**	1
17	143121	DUMMY PLUG MALE/FEM BULLET	2
18	187858	HARNESS ABS LAMP MICRONOVA **(288 INCH - 7.3 M)**	1
19	213297	LIGHT YEL CLEAR LENS MKR	1

ABS, Haldex, 2 Axle, Spread (Option)

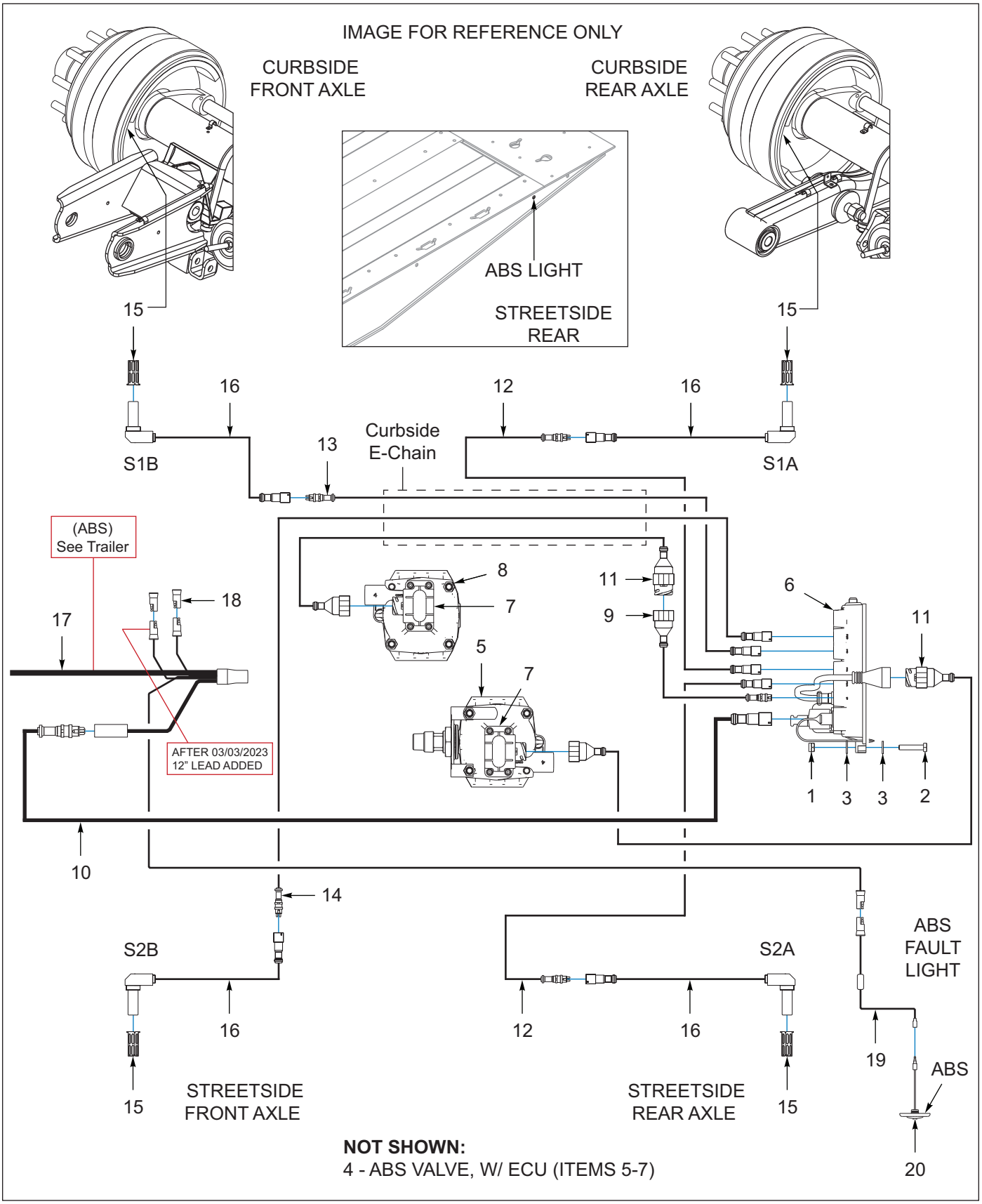


Figure 9-11: ABS, Haldex, 2 Axle, Spread (Option) (1 of 2)

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.

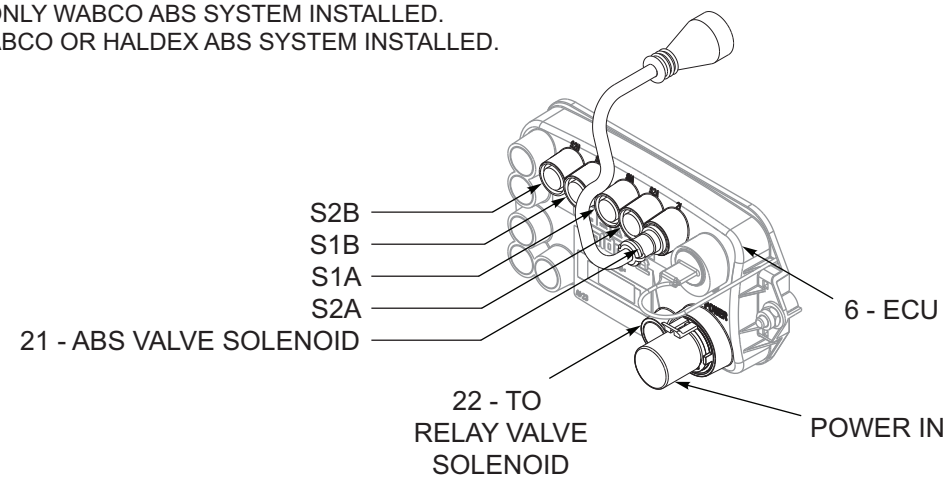


Figure 9-12: ABS, Haldex, 2 Axle, Spread (Option) (2 of 2)

ABS, Haldex, 2 Axle, Spread (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252523	SUSP 440 SLDR 50-121 HLDX	- -
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) (AIR SYSTEM, 2 AXLE, SPREAD, DISC, SEE PAGE 8-5) (AIR SYSTEM, 2 AXLE, SPREAD, DRUM, SEE PAGE 8-19)**	1
5	239691	ABS VALVE FFABS 2 SER/4SPG BK **(2 AXLE - INCLUDED WITH ITEM 4) (INCLUDES ITEM 7) (ABS VALVE BODY WO/ ECU)**	1
6	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED) (INCLUDED WITH ITEM 4) (AUTO PROGRAMS WHEN INSTALLED)**	1
7	240510	SOLENOID KIT HALDEX ABS VALVE **(INCLUDED WITH ITEMS 4-5, 8)**	1
8	232779	RELAY VALVE ABS 12V HALDEX **(INCLUDES ITEM 7)**	1
9	232780	CABLE VALVE EXTN ABS 2M HALDEX **(78 INCH)**	1
10	232783	CABLE ABS POWER 4M HALDEX **(157 INCH)**	1
11	246060	VALVE EXT ABS 4M HALDEX M/F **(157 INCH)**	2
12	232781	SENSOR EXT. ABS 3M HALDEX **(118 INCH)**	2
13	252573	SENSOR EXT,ABS,6M HALDEX **(236 INCH)**	1
14	252574	SENSOR EXT,ABS,8M HALDEX **(314 INCH)**	1
15	101849	ABS SENSOR SPRING CLIP	4
16	101847	ABS SENSOR CABLE-.4M (1FT) **(DRUM BRAKES) (1 FOOT)**	4
16	251219	ABS SNSR 0.5M STRAIGHT HALDEX **(DISC BRAKES) (1.5 FOOT)**	4
17	143103	HARNESS ECHAIN GROTE **(AFTER 03/03/2023, 12" LEAD ADDED)**	1
18	143121	DUMMY PLUG MALE/FEM BULLET	2
19	187858	HARNESS ABS LAMP MICRONOVA **(288 INCH - 7.3 M)**	1
20	213297	LIGHT YEL CLEAR LENS MKR	1

ABS, Haldex, 3 Axle

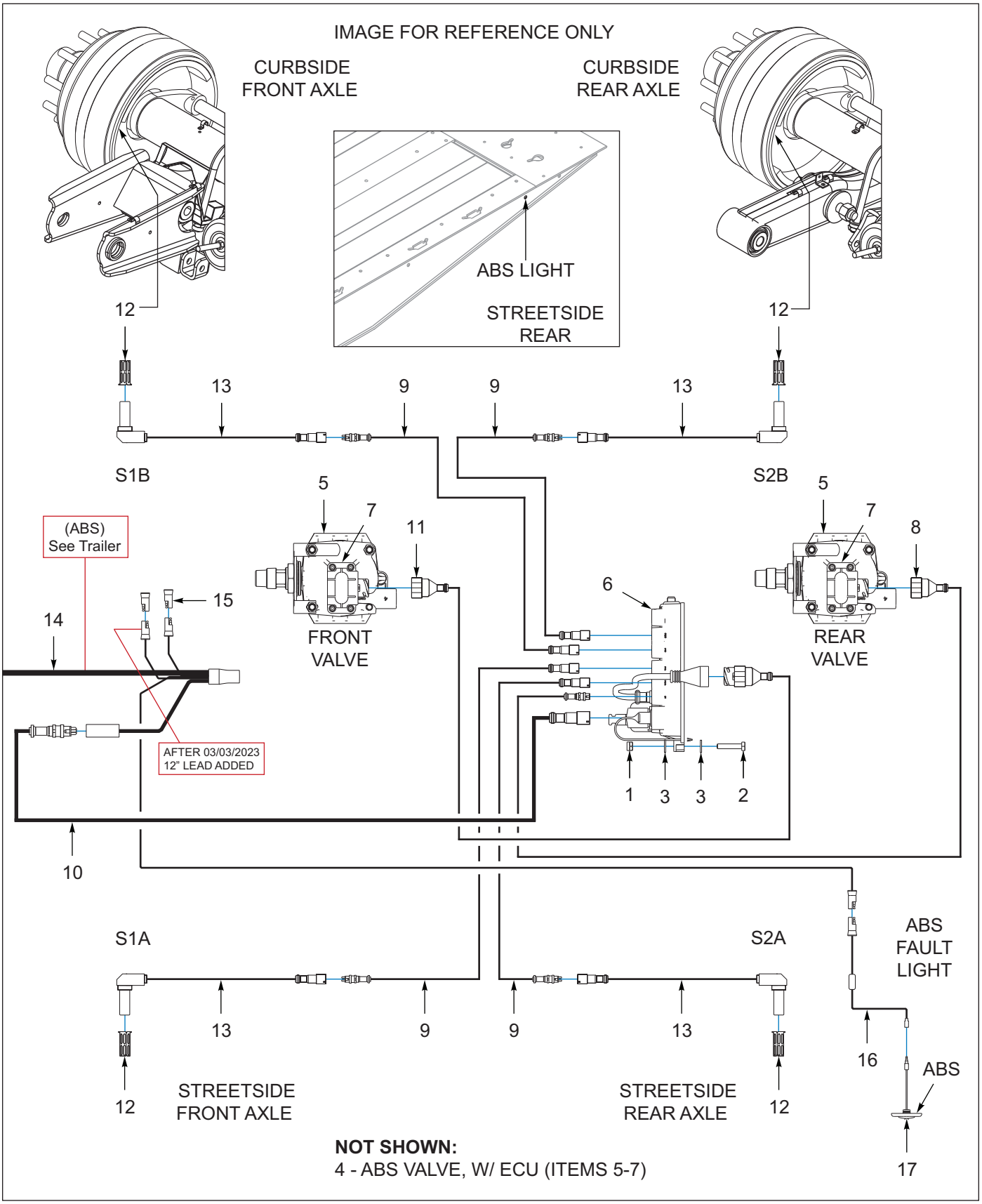


Figure 9-13: ABS, Haldex, 3 Axle (1 of 2)

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.

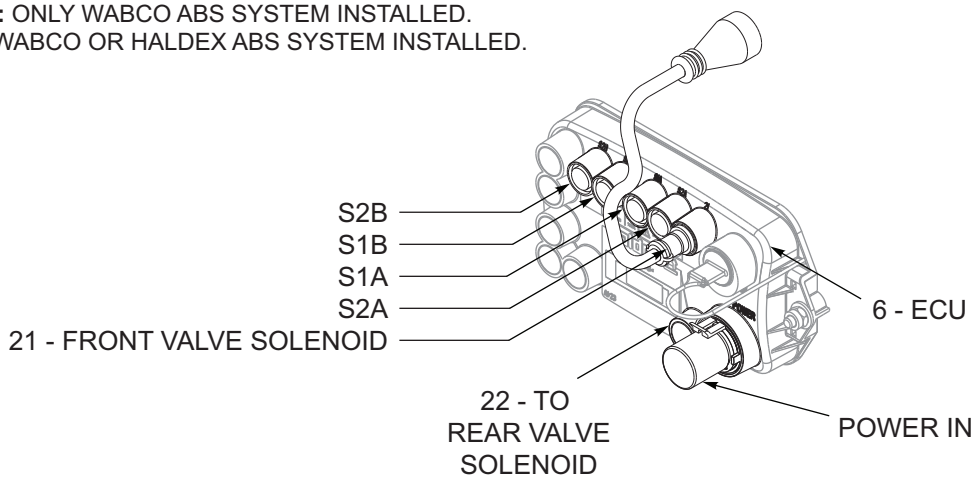
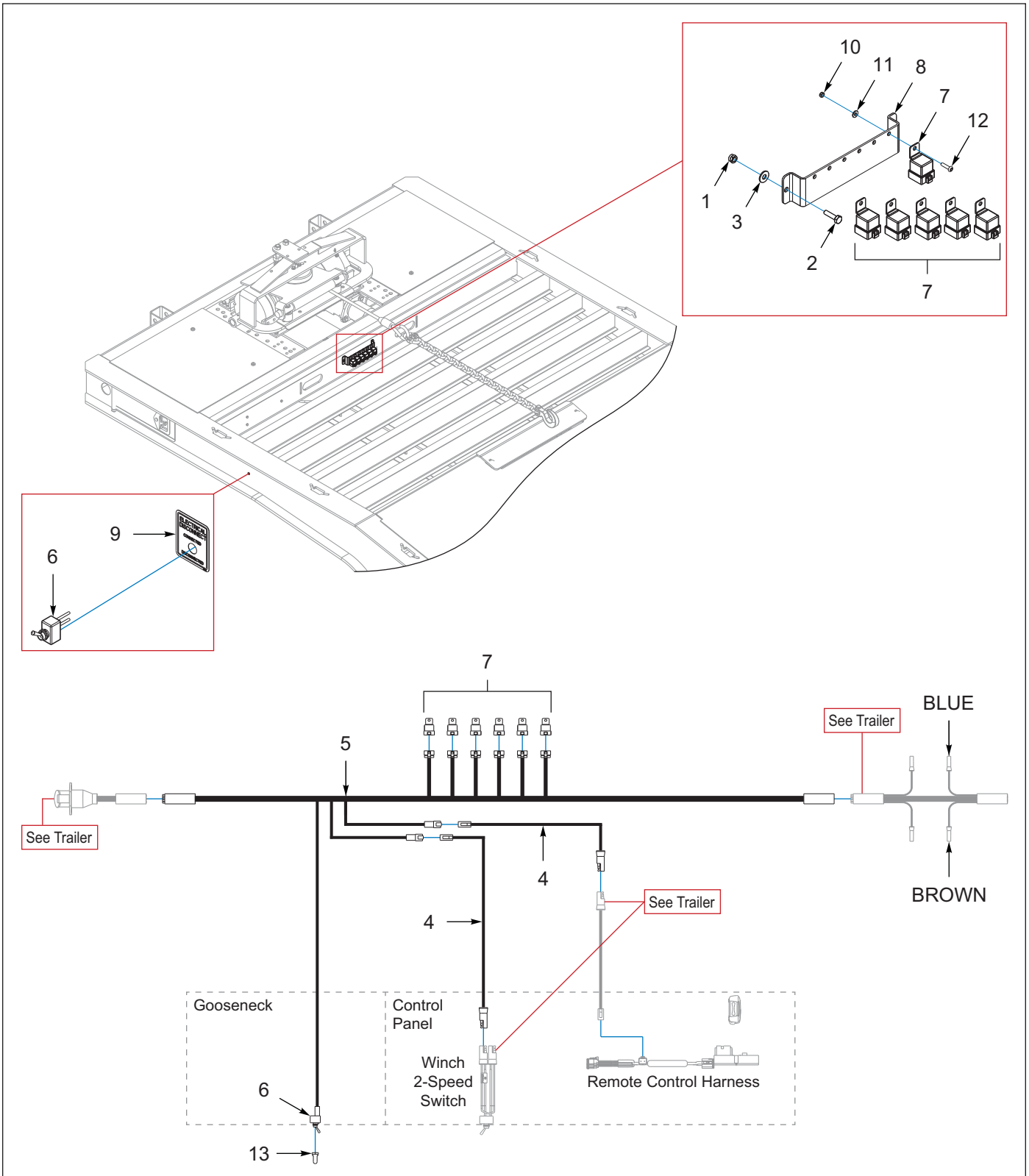


Figure 9-14: ABS, Haldex, 3 Axle (2 of 2)

ABS, Haldex, 3 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240065	ABS KIT HALDEX 4S/2M TRI-400	- -
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	232849	ABS VALVE 4S/2M TRI ECU **(INCLUDES 1 EACH, ITEMS 5-7)** **(AIR SYSTEM, 3 AXLE DISC, SEE PAGE 8-23)** **(AIR SYSTEM, 3 AXLE DRUM, SEE PAGE 8-51)**	1
5	239691	ABS VALVE FFABS 2 SER/4SPG BK **(INCLUDED WITH ITEM 4, 1 EACH) (INCLUDES ITEM 7)** **(ABS VALVE BODY WO/ ECU)**	2
6	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED)** **(INCLUDED WITH ITEM 4) (AUTO PROGRAMS WHEN INSTALLED)**	1
7	240510	SOLENOID KIT HALDEX ABS VALVE **(INCLUDED WITH ITEMS 4-5)**	1
8	235563	HARNESS ABS RLY VLVE HALDEX 5M **(197 INCH)**	1
9	232781	SENSOR EXT. ABS 3M HALDEX **(118 INCH)**	4
10	232783	CABLE ABS POWER 4M HALDEX **(157 INCH)**	1
11	246060	VALVE EXT ABS 4M HALDEX M/F **(157 INCH)**	1
12	101849	ABS SENSOR SPRING CLIP	4
13	101847	ABS SENSOR CABLE-.4M (1FT) **(DRUM BRAKES) (1 FOOT)**	4
13	251219	ABS SNSR 0.5M STRAIGHT HALDEX **(DISC BRAKES) (1.5 FOOT)**	4
14	143103	HARNESS ECHAIN GROTE **(AFTER 03/03/2023, 12” LEAD ADDED)**	1
15	143121	DUMMY PLUG MALE/FEM BULLET	2
16	187858	HARNESS ABS LAMP MICRONOVA **(288 INCH - 7.3 M)**	1
17	213297	LIGHT YEL CLEAR LENS MKR	1

Electrical Disconnect, Complete Trailer (Option)



NOTE: 2-Speed Winch Control and Remote Control Options Displayed.

Figure 9-15: Electrical Disconnect, Complete Trailer (Option)

Electrical Disconnect, Complete Trailer (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	174139	INSTL,TRL ELEC DISCONNECT SW	- -
1	1-512-010004-05	NUT HEX 1/4-20 SELF-LK,GRA	2
2	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
3	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
4	164053	HARNESS 102" 2 PIN DEUTSCH **(ONLY REQUIRED IF 2-SPEED WINCH AND OR REMOTE CONTROL OPTIONS ARE AVAILABLE)**	2
5	174140	HARNESS TRLR ELECT DISCONNECT **(INCLUDES ITEMS 7-9)**	1
6	3-272-010017	TOGGLE SWITCH SEALED SPST **(INCLUDED WITH ITEM 6)**	1
7	169534	RELAY, SEALED, 20/40A,SPDT,12V **(INCLUDED WITH ITEM 6)**	6
8	174141	BRACKET, RELAY MOUNT **(INCLUDED WITH ITEM 6)**	1
9	174142	DECAL, ELEC DISCONNECT SW	1
10	1-512-010003-06	NUT,HEX,SLFLKG W/NLY 10-24	6
11	1-861-010032-03	WASHER, FLAT #10 ZP/CD	6
12	109394	SCREW, BHSC #10-24UNCX5/8	6
13	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1

Latch Lock, 2 Axle Spread (Option)

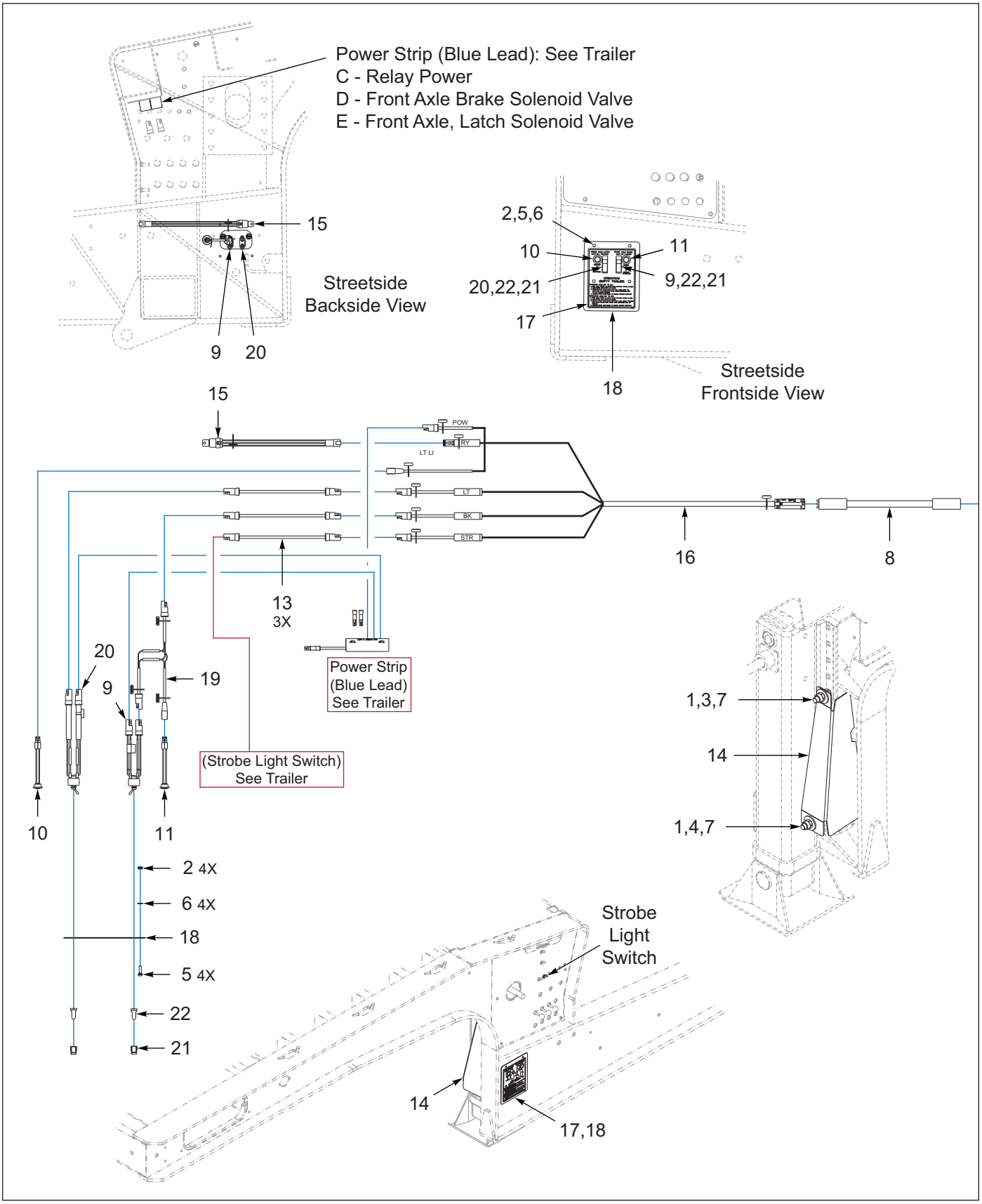


Figure 9-16: Latch Lock, 2 Axle Spread (Option) (1 of 2)

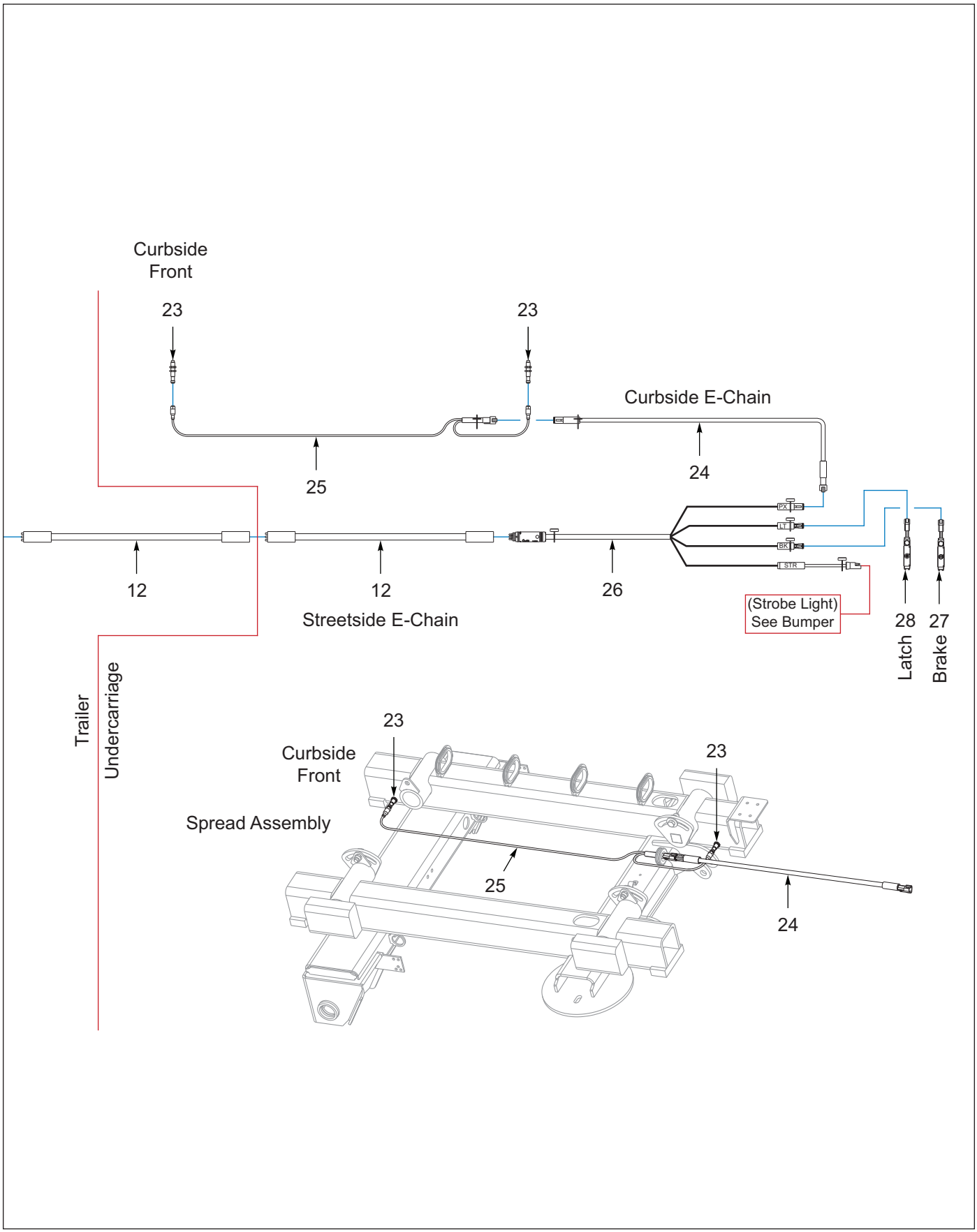


Figure 9-17: Latch Lock, 2 Axle Spread (Option) (2 of 2)

Latch Lock, 2 Axle Spread (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252582	CONTROL INSTL,SPREAD AX SLIDER **(TRAILER WIRING)**	- -
	252523	SUSP 440 SLDR 50-121 HLDX **(DRUM, UNDERCARRIAGE WIRING)**	- -
	252553	SUSP 440 SLDR 50-121 DSC **(DISC, UNDERCARRIAGE WIRING)**	
1	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	2
2	1-512-010007-05	NUT, HEX, 1/4-20 UNC, GR2	4
3	1-654-010059-07	SCREW HX CP 5/8-11UNCX2-1/2G5	1
4	1-654-010059-09	SCREW 5/8-11UNCX3 HX CP GR5	1
5	1-654-010158-1	SCREW, RD HD, SQ NCK, 1/4-20X3/4	4
6	1-861-010034-09	WASHER, LKG, HLCL SPR, 1/4	4
7	1-861-010032-19	WASHER, FLAT 5/8 W ZP/CD	2
8	143167	HARNESS EXT 84 IN GROTE	1
9	150117	SWITCH ASSY LIGHT GROTE	2
10	175591	LIGHT YEL LED .75 CL.MK GROTE	1
11	175592	LIGHT RED LED .75 CL.MK GROTE	1
12	212352	HARNESS EXT 7-COND 240"	2
13	217435	HARNESS 36 IN MALE FEMALE	3
14	252567	SHIELD,RELAY SWITCHES	1
15	252570	RELAY ASSY,SLIDER LATCH	1
16	252581	HARNESS ASSY,SWITCH/LIGHT CONN	1
17	252583	DECAL,OPER SPREAD AXLE	1
18	252584	PLATE,SWITCH MTG,LATCH/BRAKE	1
19	252585	HARNESS ASSY,BRAKE SW-LT	1
20	252596	SWITCH ASSY,SPST OFF/MOM-ON	1
21	3-348-010048	GUARD,SWITCH-3 POSITION	2
22	81264	RUBBER BOOT FOR ELECT SWITCH	2
23	200431	SENSOR, PROXIMITY XL RANGE	2
24	252576	HARNESS,JUMPER 16/3 X 120	1
25	252579	HARNESS,PROXIMITY,U/C SLIDER	1
26	252580	HARNESS ASSY,VALVE/SENSOR CONN	1
27	252544	VALVE ASSY, PNEUMATIC 3/2 NO **(FRONT BRAKE SOLENOID VALVE)** **(AIR SYSTEM - SEE PAGE 8-19)**	1
28	252545	VALVE ASSY,PNEUMATIC 3/2 NC **(LOCK LATCH SOLENOID VALVE) (AIR SYSTEM - SEE PAGE 8-79)**	1

Table provided for general use.

NOTES:

Light Assembly, Control Panel

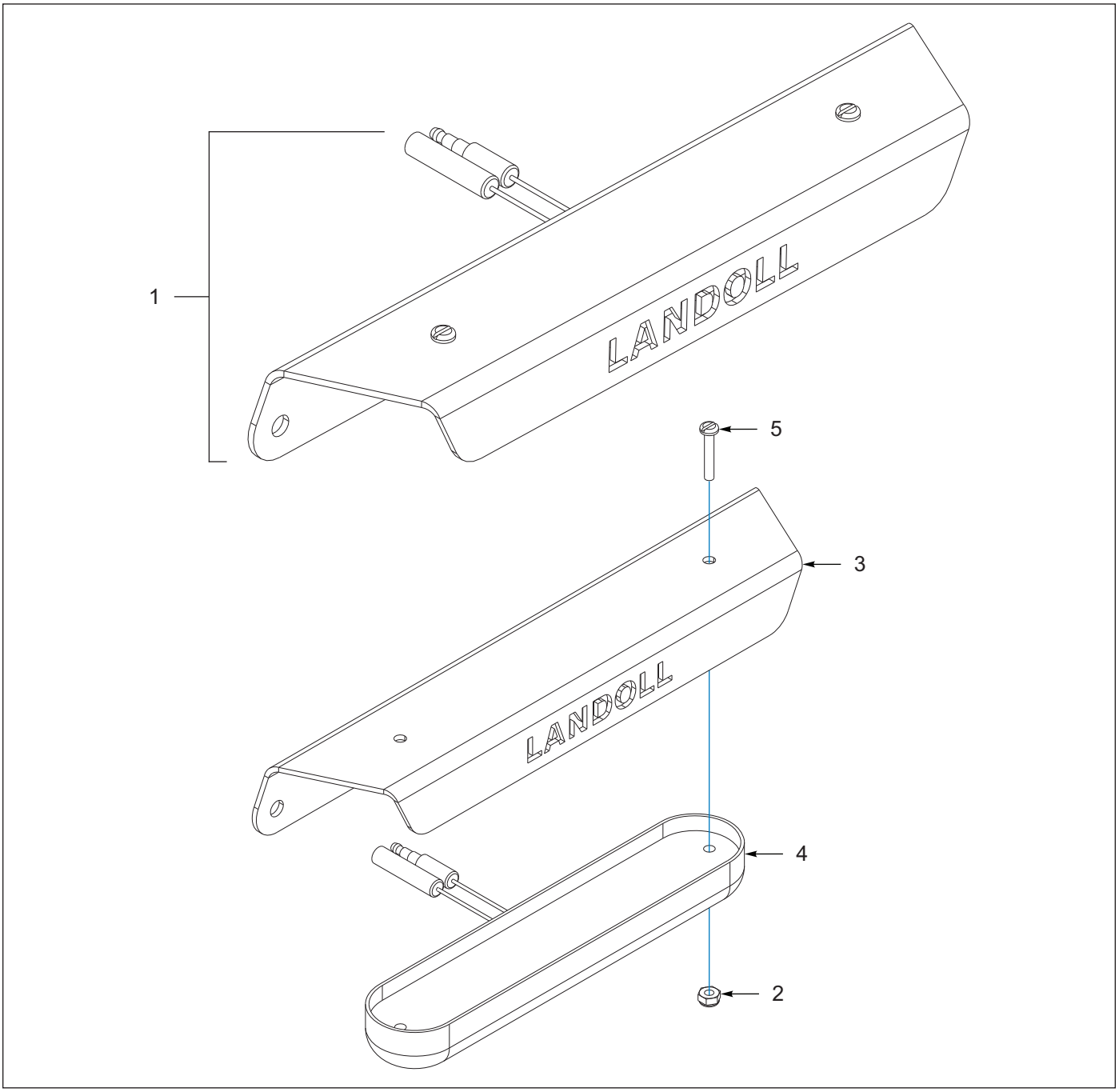


Figure 9-18: Light Assembly, Control Panel

Light Assembly, Control Panel

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	213304	LIGHT ASSY CONTROL PANEL **(INCLUDES ITEMS 2-5)**	1
2	1-512-010003-03	NUT,HX 8-32,SLF-LKG W/NYL **(INCLUDED WITH ITEM 1)**	2
3	213302	MOUNT CONTROL PANEL LIGHT **(INCLUDED WITH ITEM 1)**	1
4	213303	LIGHT EXTERIOR DOME **(INCLUDED WITH ITEM 1)** **(INCLUDES GROMMET)**	1
5	85G816E	SCREW,PAN.HD #8-32X1 **(INCLUDED WITH ITEM 1)**	2

Light Assembly, License Plate

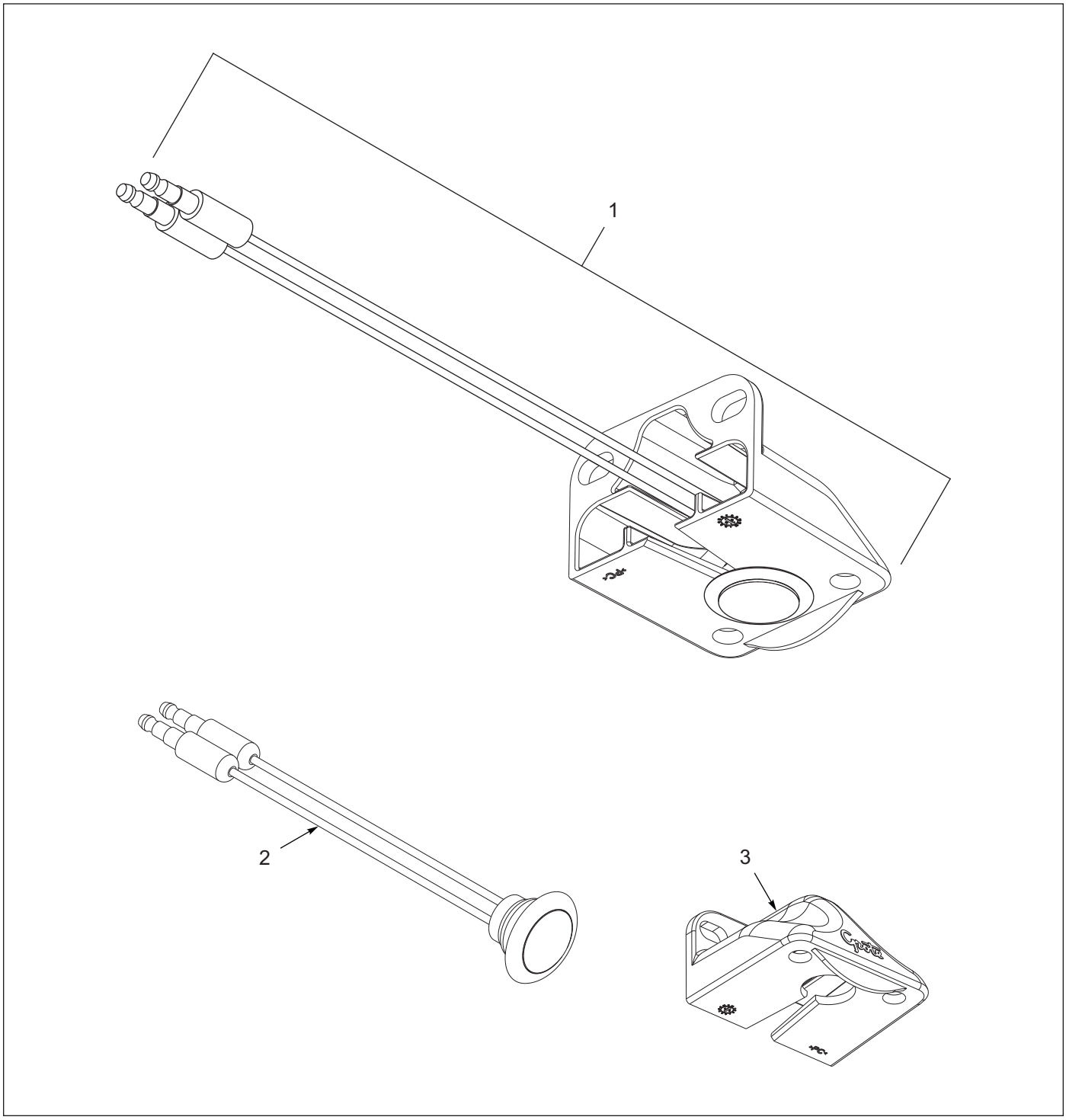


Figure 9-19: Light Assembly, License Plate

Light Assembly, License Plate

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	187860	LIGHT ASSY LICENSE LED GROTE (INCLUDES ITEMS 2-3)	1
2	183413	LIGHT,WHT LED .75 CL/MK GROTE **(INCLUDED WITH ITEM 1)**	1
3	187861	BRACKET LICENSE GROTE BLACK **(INCLUDED WITH ITEM 1)**	1

Light Bar, Bulkhead (Options)

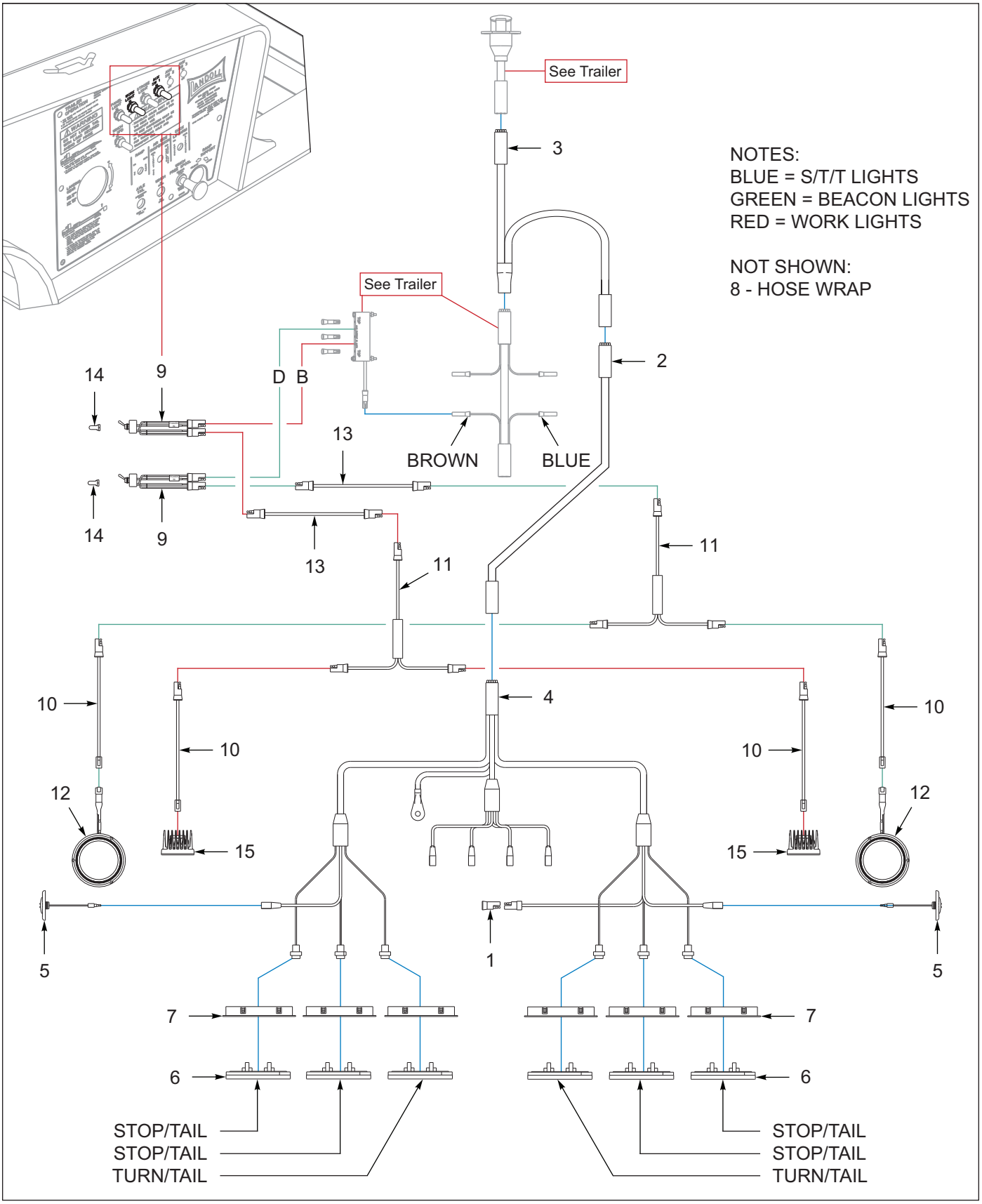


Figure 9-20: Light Bar, Bulkhead (Options)

Light Bar, Bulkhead (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214411	BLKHD CHN RK S/T/T ONLY **(LB1 - S/T/T LIGHTS)**	- -
	218129	BLKHD CHN RK S/T/T/BCN **(LB2 - S/T/T, BEACON LIGHTS)**	- -
	214409	BLKHD CHAIN RACK S/T/T/WL/BCN **(LB3 - S/T/T, BEACON, WORK LIGHTS)**	- -
	214410	BLKHD CHN RACK S/T/T/WL/BCN HD **(LB4 - S/T/T, BEACON, WORK LIGHTS, HEAVY DUTY)**	- -
	214407	BLKHD CHN RK S/T/T WL **(LB5 - S/T/T, WORK LIGHTS)**	- -
	214408	BLKHD CHN RK S/T/T WL HD **(LB6 - S/T/T, WORK LIGHTS, HEAVY DUTY)**	- -
1	143121	DUMMY PLUG MALE/FEM BULLET **(LB1, LB2, LB3, LB4, LB5, LB6)**	1
2	143167	HARNESS EXT 84 IN GROTE **(LB1, LB2, LB3, LB4, LB5, LB6)**	1
3	146929	HARNESS Y SPLITTER GROTE **(LB1, LB2, LB3, LB4, LB5, LB6)**	1
4	187859	HARNESS BUMPER MICRONOVA GROTE **(LB1, LB2, LB3, LB4, LB5, LB6)**	1
5	213297	LIGHT YEL CLEAR LENS MKR **(LB1, LB2, LB3, LB4, LB5, LB6)** **(INSTALLATION - SEE PAGE 4-7)**	2
6	213295	LIGHT CLEAR LENS S/T/T **(LB1, LB2, LB3, LB4, LB5, LB6)** **(INSTALLATION - SEE PAGE 4-7)**	6
7	143114	GROMMET OVAL GROTE (**BLACK PVC)**	2
7	213296	FLANGE CHROME FLAT OBLONG **(CHROME ABS PLASTIC)**	2
8	43029	HOSE WRAP AEROQUIP 1/4 **(BY THE FOOT)** **(LB1, LB2, LB3, LB4, LB5, LB6) (USED TO WRAP ITEM 4)**	3
9	150117	SWITCH ASSY LIGHT GROTE **(LB2, LB5, LB6, REQ 1)** **(LB3, LB4, REQ 2)**	- -
10	164052	HARNESS,60"BRANCH,WORK LIGHT **(LB2, LB5, LB6, REQ 2)** **(LB3, LB4, REQ 4)**	- -
11	169853	HARNESS T PWR BRANCH **(LB2, LB5, LB6, REQ 1)** **(LB3, LB4, REQ 2)**	- -
12	184501	STROBE BEACON DEUTSCH CONN **(LB2, LB3, LB4, REQ 2) (INSTALLATION - SEE PAGE 4-7)**	2
13	3-368-010252	HARNESS ASSY BKHD LIGHT EXT **(LB2, LB6, REQ 3)** **(LB3 REQ 4)** **(LB4 REQ 6)** **(LB5 REQ 2)**	- -
14	81264	RUBBER BOOT FOR ELECT SWITCH **(LB2, LB5, LB6, REQ 1)** **(LB3, LB4, REQ 2)**	- -
15	163996	LIGHT,12V SQUARE LED FLOOD **(LB3, LB4, LB5, LB6)** **(INCLUDES MOUNTING HARDWARE AND RUBBER SHOCK)** **(INSTALLATION - SEE PAGE 4-7)**	2

Lights, Backup & Alarm, Bumper (Option)

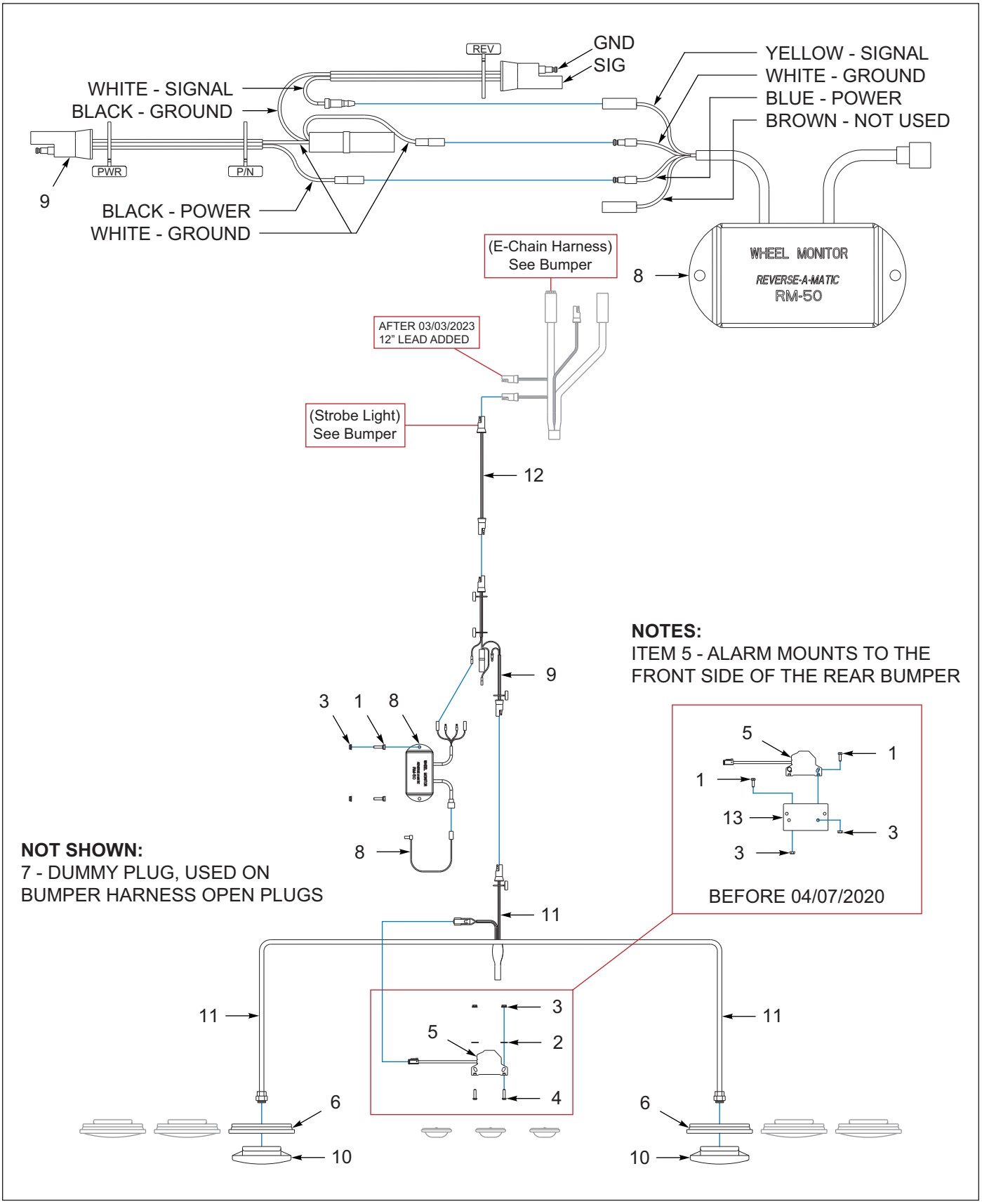


Figure 9-21: Lights, Backup & Alarm, Bumper (Option)

Lights, Backup & Alarm, Bumper (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	150329	BACK-UP ALARM/LIGHT GROTE	- -
1	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5 **(BEFORE 04/07/2022, REQ 6 EACH)**	2
2	1-861-010032-07	WASHER,FLAT 1/4 ZP **(ADDED AFTER 04/07/2022)**	2
3	108417	NUT SPIRAL 1/4-20HX FG **(BEFORE 04/07/2022, REQ 6 EACH)**	4
4	108610	SCREW BHSC 1/4-20UNCX1 **(ADDED AFTER 04/07/2022)**	2
5	117997	ALARM DB ADJ SMART BACKUP	1
6	143114	GROMMET OVAL GROTE (**BLACK PVC)**	2
7	144608	DUMMY PLUG FOR FEMALE PLUG	2
8	150072	REVERSE DETN MODULE & SENSOR	1
9	150074	HARNESS MODULE/ALARM	1
10	150330	GROTE LED BACK-UP CLEAR	2
11	166872	HARNESS BACKUP LIGHT/ALARM	1
12	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	1
13	127991	BRACKET, BACKUP ALARM MNT I/C **(BEFORE 04/07/2022) (AFTER OMITTED)**	1

Lights, Strobe, Bulkhead, 360 Degree Amber (Option)

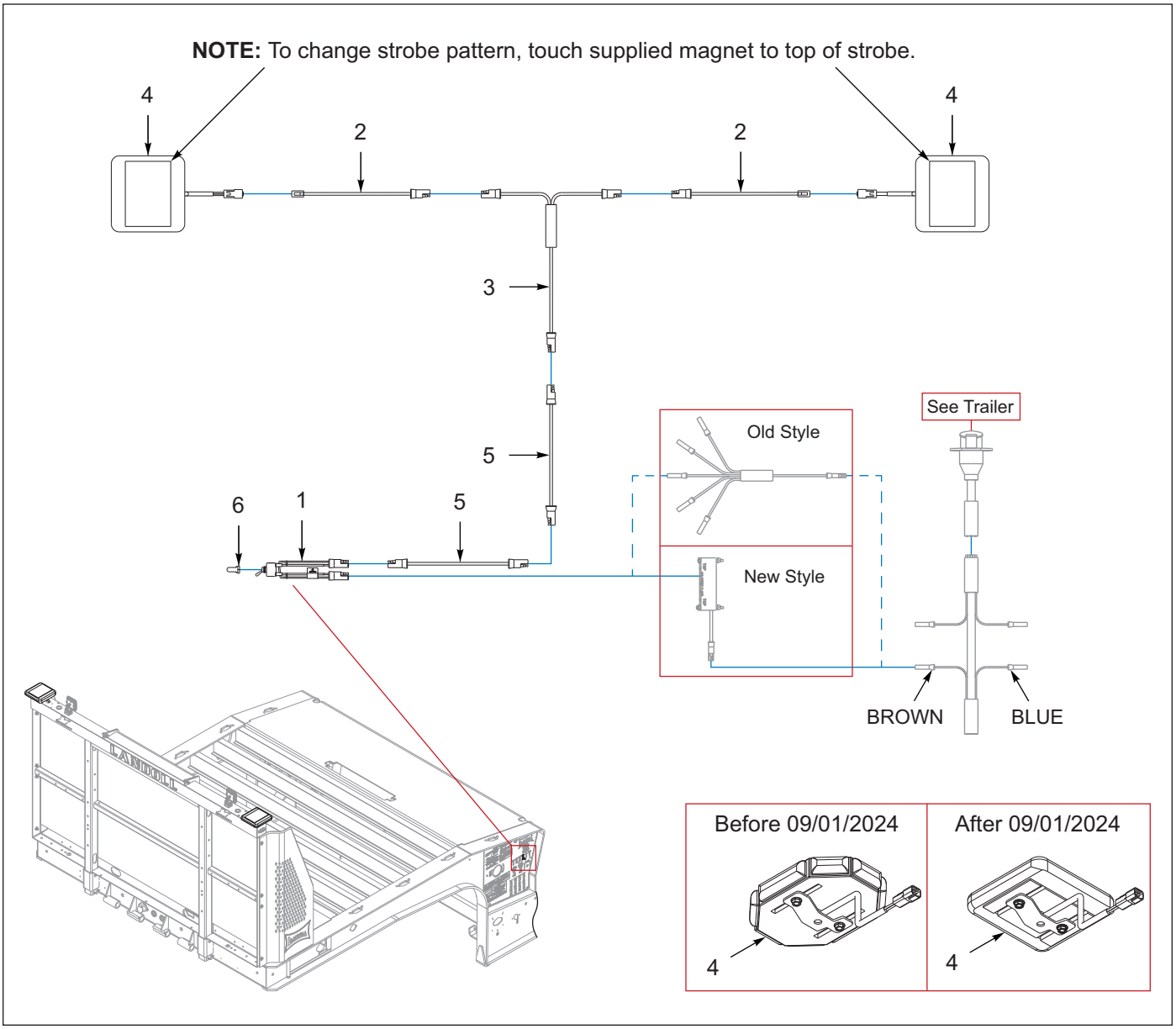


Figure 9-22: Lights, Strobe, Bulkhead, 360 Degree Amber (Option)

Lights, Strobe, Bulkhead, 360 Degree Amber (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	215522	BLKHD TWMT 360 STROBE INSTL **(AMBER)**	- -
1	150117	SWITCH ASSY LIGHT GROTE	1
2	164052	HARNESS 60" 2 PIN DEUTSCH	2
3	169853	HARNESS T PWR BRANCH	1
4	215521	TOWMATE MINI 360 LED STROBE **(BEFORE 09/01/2024 - OBSOLETE)**	- -
4	248886	TOWMATE MINI 360 LED STROBE **(AFTER 09/01/2024) (INSTALLATION - SEE PAGE 4-11)**	2
5	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
6	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1

Lights, Strobe, Bumper Tail Light (Option)

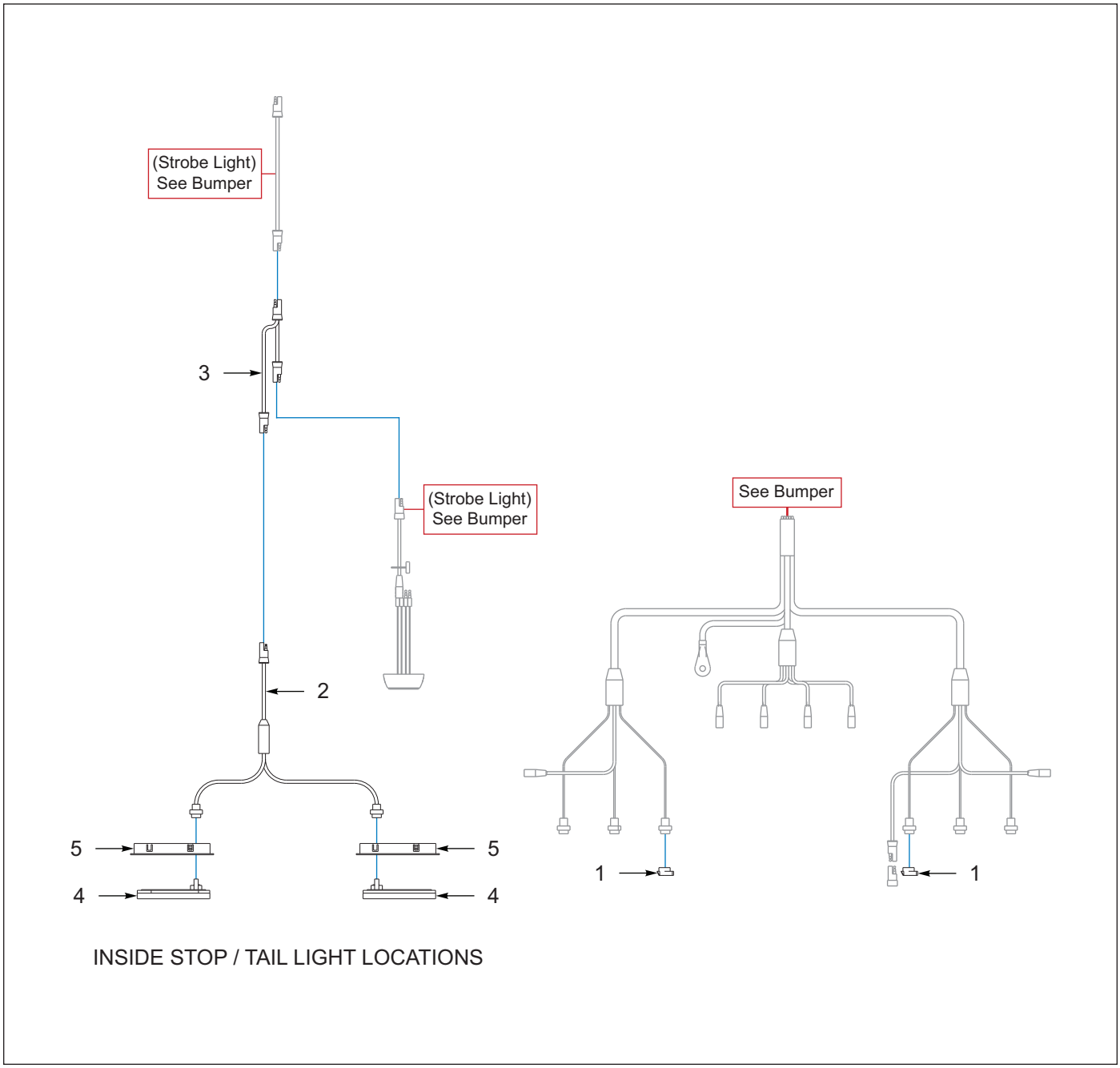


Figure 9-23: Lights, Strobe, Bumper Tail Light (Option)

Lights, Strobe, Bumper Tail Light (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 **(CHROME ABS PLASTIC)**	2
5	143114	GROMMET OVAL GROTE **(BLACK PVC)**	2

Lights, Swing Arm, Marker, Amber & Red (Options)

RED ITEMS = Shares Harness Connection with Swing Arm Light.

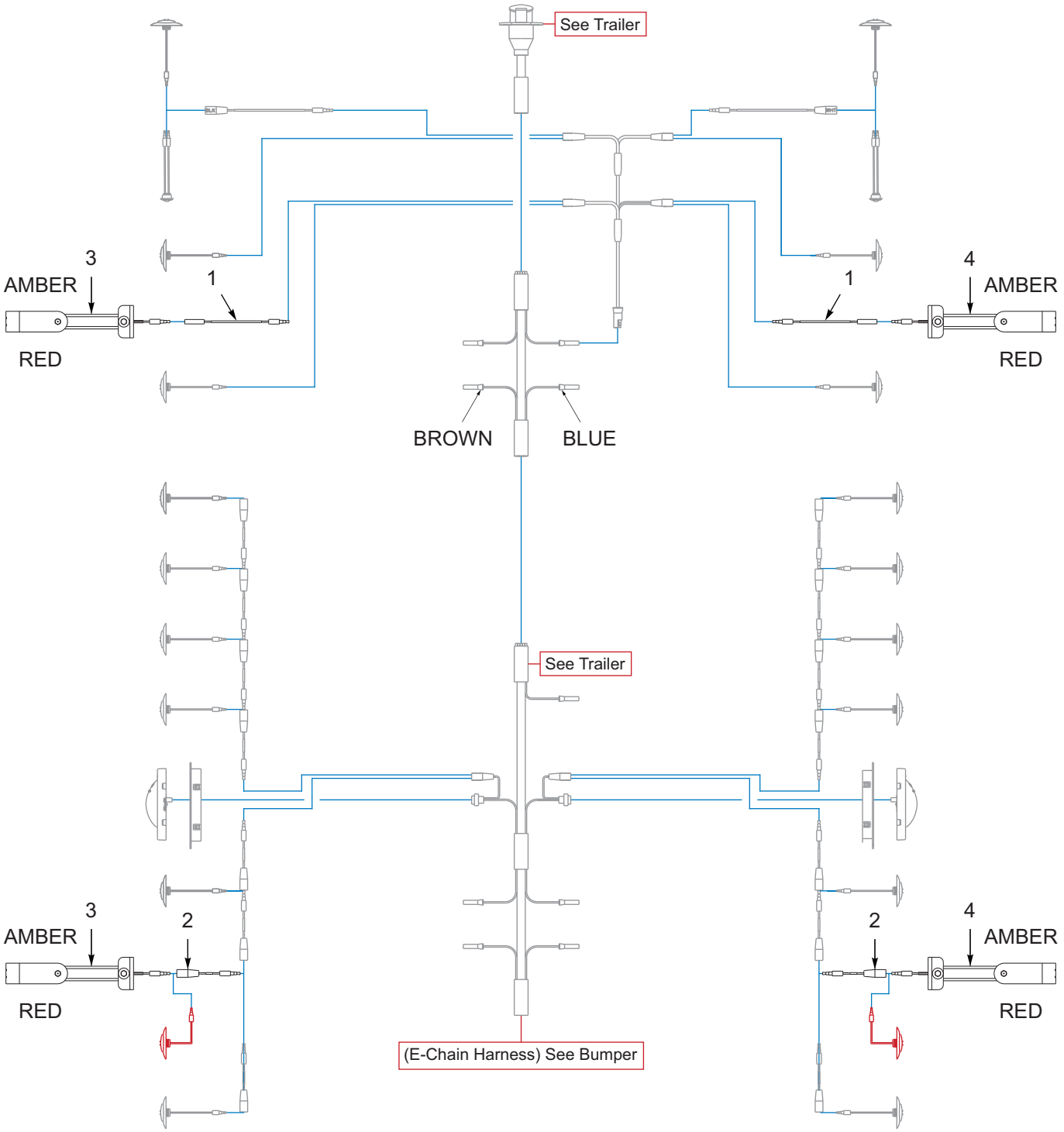


Figure 9-24: Lights, Swing Arm, Marker, Amber & Red (Options) (1 of 2)

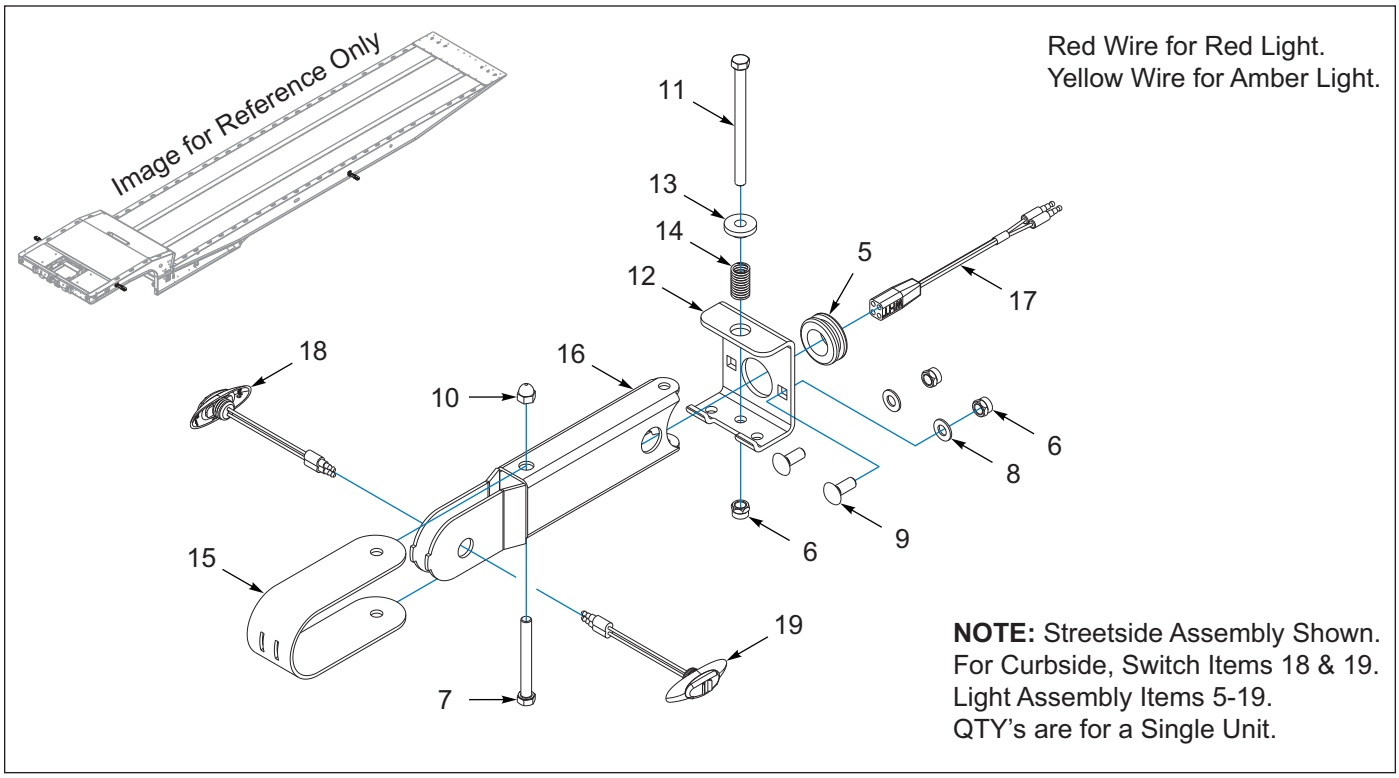


Figure 9-25: Lights, Swing Arm, Marker, Amber & Red (Options) (2 of 2)

Lights, Swing Arm, Marker, Amber & Red (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191557	LIGHTS,SWING-OUT MKR,LWR DK **(SAM1, LOWER)**	- -
	191558	LIGHTS,SWING-OUT MKR,UPR DK **(SAM2, UPPER)**	- -
	191559	LIGHTS,SWING-OUT MKR,UPR&LWRD **(SAM3, UPPER & LOWER)**	- -
1	191569	HARNESS MARKER LAMP MICRONOVA **(SAM2, SAM3)**	2
2	213290	HARNESS 6" MKR EXTENSION **(SAM1, SAM3)**	2
3	191555	LIGHT ASSY,SWING-ARM MKR,ST **(STREETSIDE)** **(SAM1, SAM2, REQ 1) (SAM3, REQ 2)**	- -
4	191556	LIGHT ASSY,SWING-ARM MKR,CURB **(CURBSIDE)** **(SAM1, SAM2, REQ 1) (SAM3, REQ 2)**	- -
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

Lights, Swing Arm, Turn / Emergency, Amber (Options)

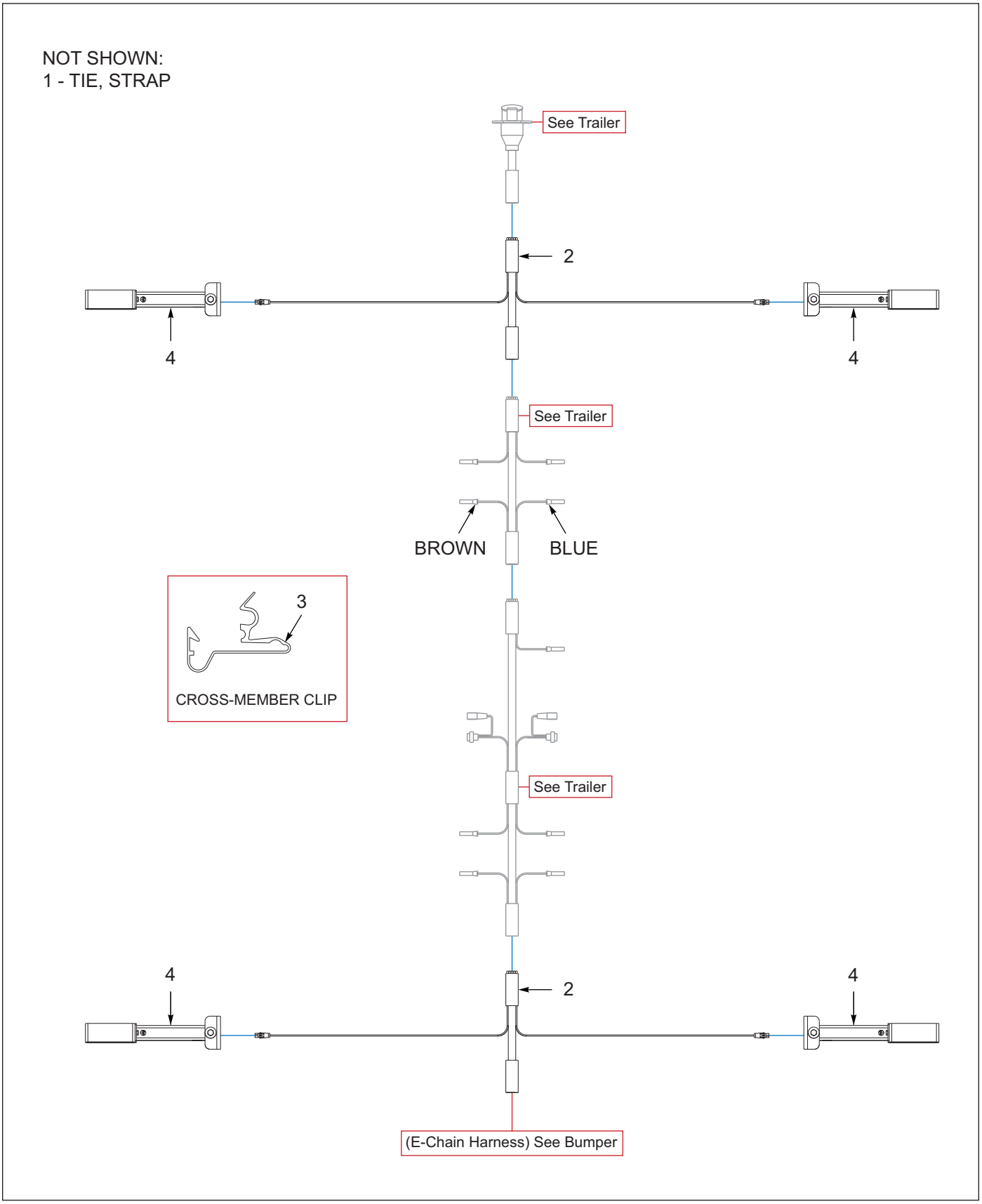


Figure 9-26: Lights, Swing Arm, Turn / Emergency, Amber (Options) (1 of 2)

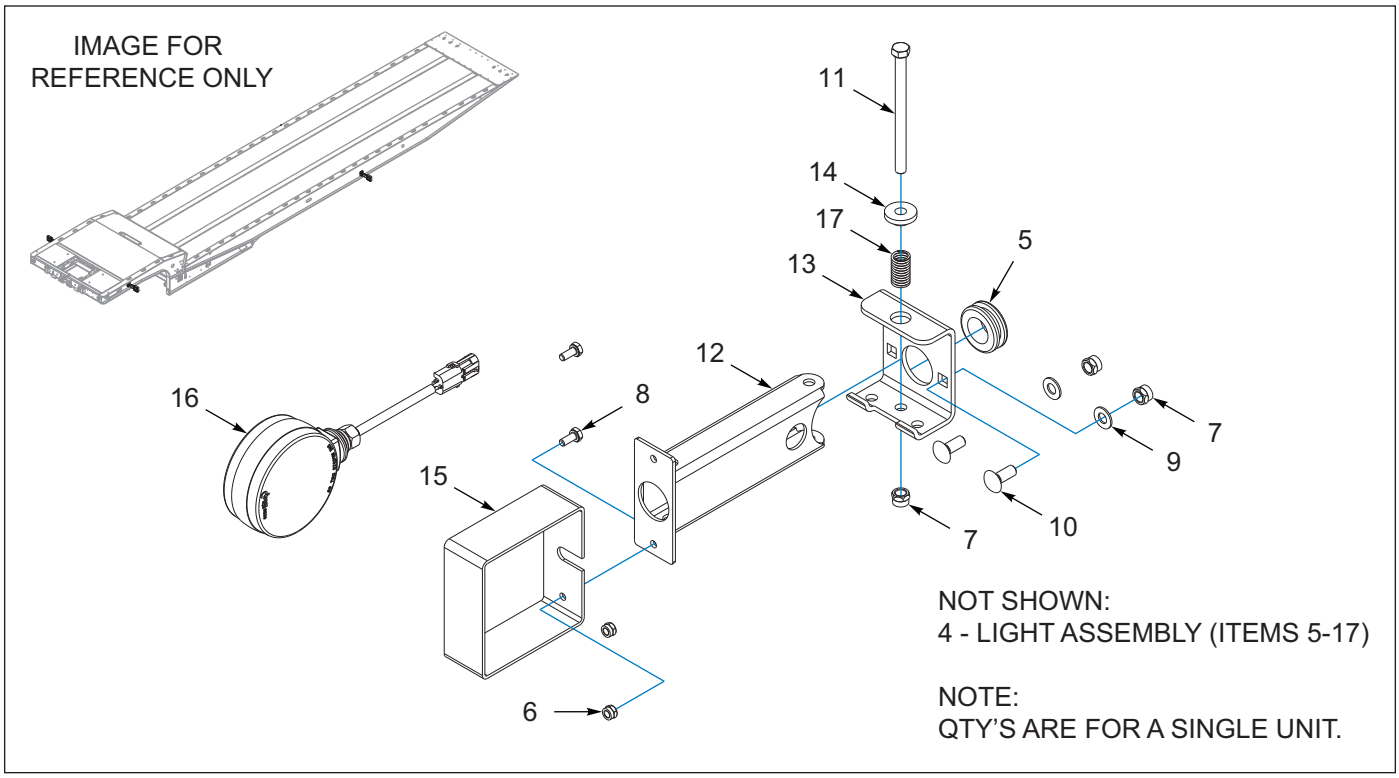


Figure 9-27: Lights, Swing Arm, Turn / Emergency, Amber (Options) (2 of 2)

Lights, Swing Arm, Turn / Emergency, Amber (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	179085	INSTL,SWING-OUT LTS UPR&LWR D **(SAT1, UPPER & LOWER)**	- -
	179088	INSTL, SWING-OUT LTS, UPR DK **(SAT2, UPPER)**	- -
	179089	INSTL, SWING-OUT LTS, LWR DK **(SAT3, LOWER)**	- -
1	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(SAT1, REQ 24) (SAT2, SAT3, REQ 12)**	- -
2	176432	HARNESS, JUMPER, EMERGENCY FLA **(SAT1, REQ 2 EACH) (SAT2, SAT3, REQ 1)**	- -
3	187833	CLIP HARNESS, CROSS-MEMBER **(SAT1 REQ 44 EACH) (SAT2, SAT3, REQ 22)**	- -
4	176420	LIGHT ASSY SWING-ARM **(INCLUDES ITEMS 5-17)** **(SAT1, REQ 4) (SAT2, SAT3, REQ 2)**	- -
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

Lights, Work, Bulkhead (Options)

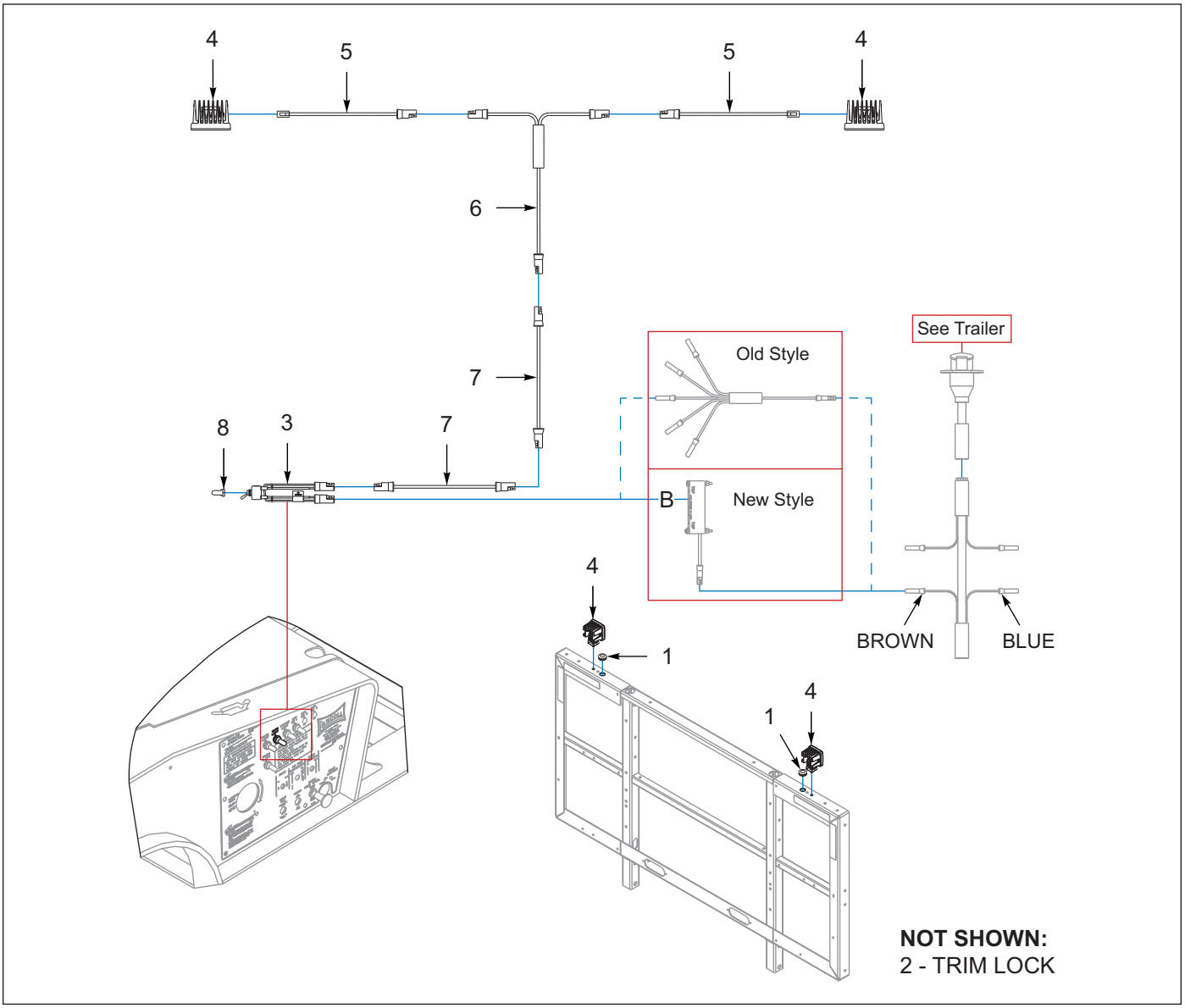


Figure 9-28: Lights, Work, Bulkhead (Options)

Lights, Work, Bulkhead (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191813	WORK LIGHT INSTL BULKHEAD **(BL1 - STANDARD DUTY)**	- -
	191814	WORK LIGHT INSTL BULKHEAD **(BL2 - 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 **(BL1 REQ 2) (BL2 REQ 3)**	- -
8	81264	RUBBER BOOT FOR ELECT SWITCH	1

Table provided for general use.

NOTES:

Lights, Work, Upper Deck, Slope (Option)

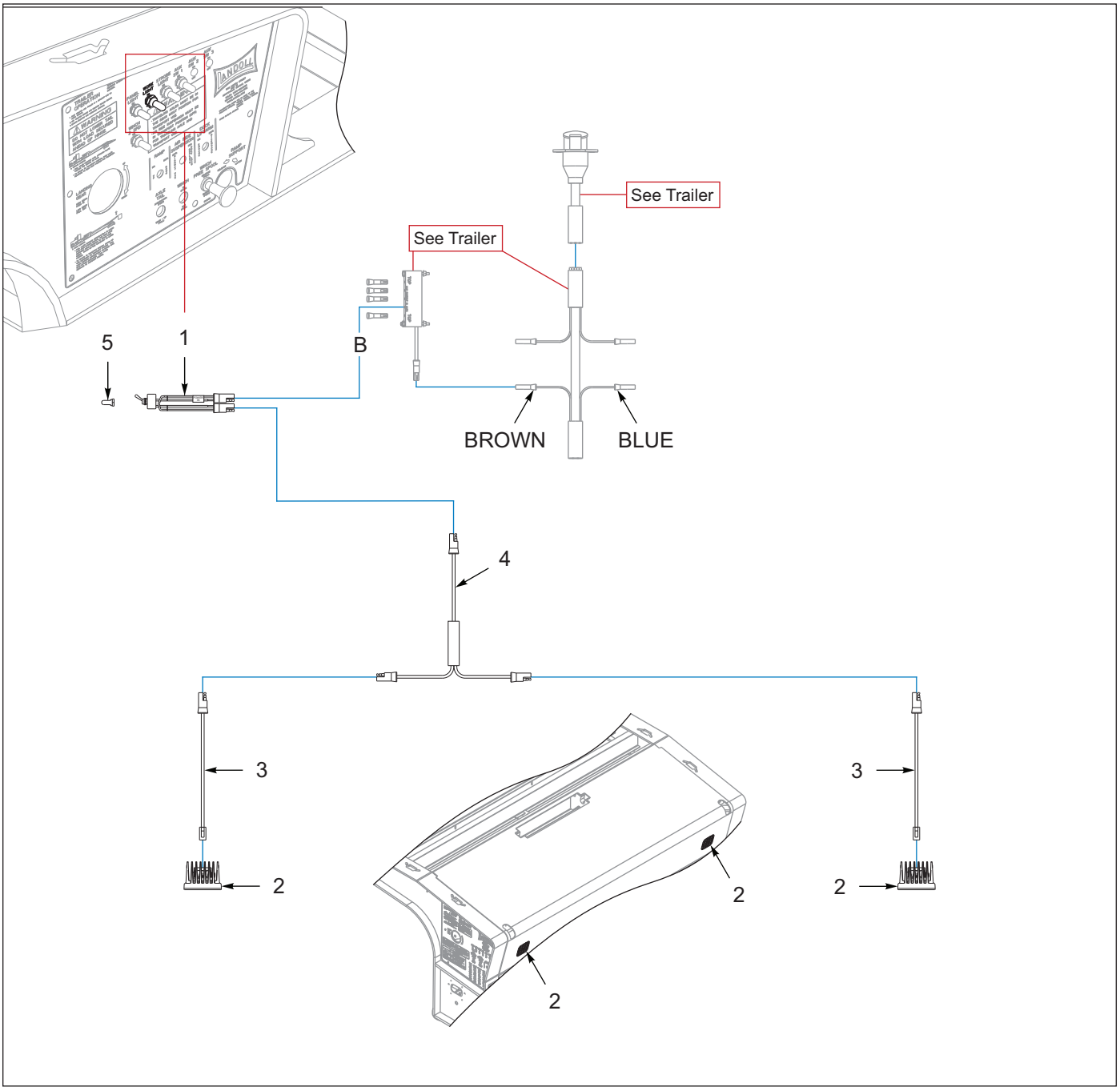


Figure 9-29: Lights, Work, Upper Deck, Slope (Option)

Lights, Work, Upper Deck, Slope (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

Lights, Work, Upper Deck, Winch (Option)

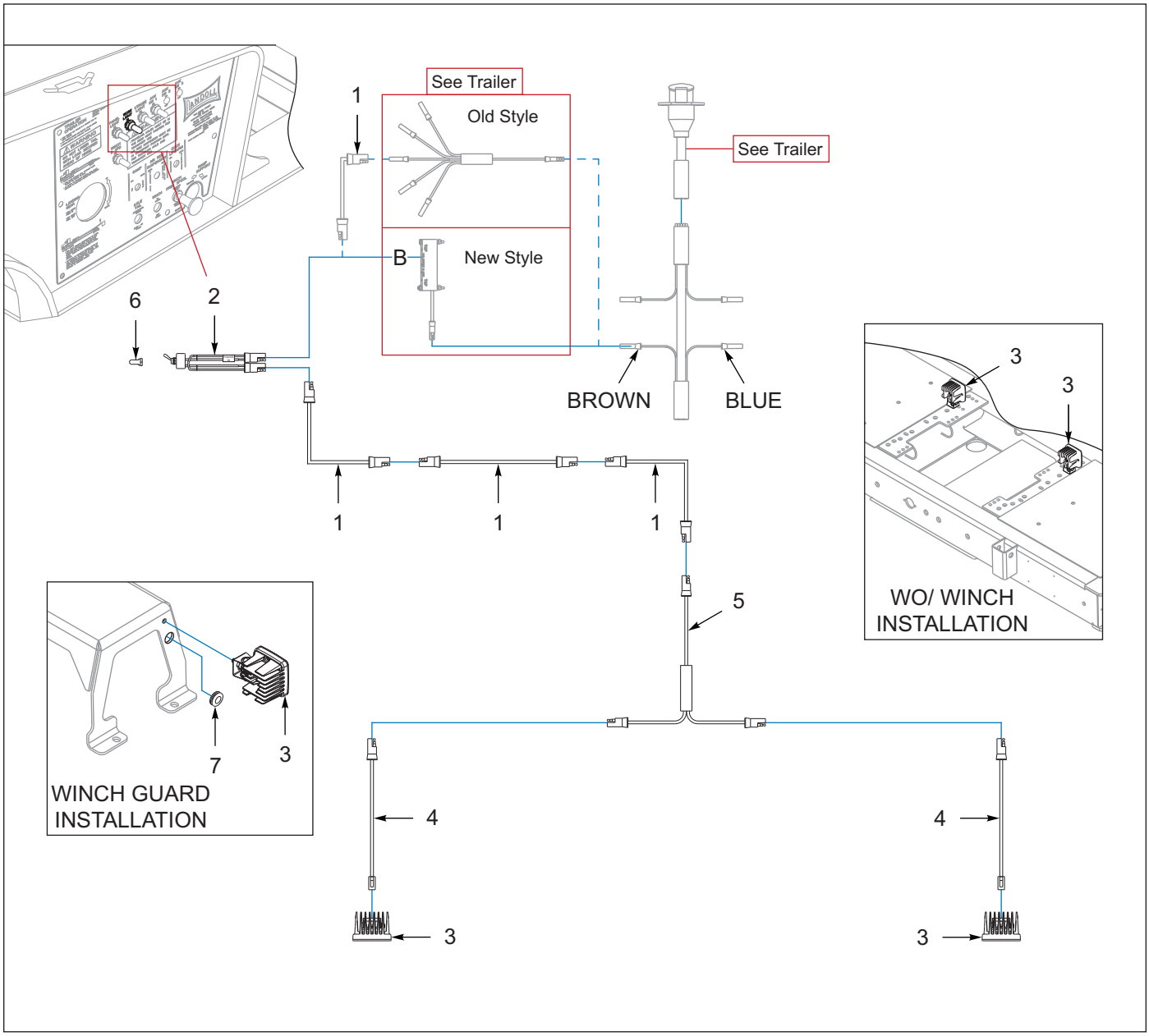


Figure 9-30: Lights, Work, Upper Deck, Winch (Option)

Lights, Work, Upper Deck, Winch (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	191833	LIGHT INSTL WORK WINCH	- -
1	3-368-010252	HARNESS ASSY BKHD LIGHT EXT **(BEFORE 02/15/2022, REQ 1 FROM SWITCH TO 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

Lights, Work Zone, Under Deck (Option) (Before 01/19/2024)

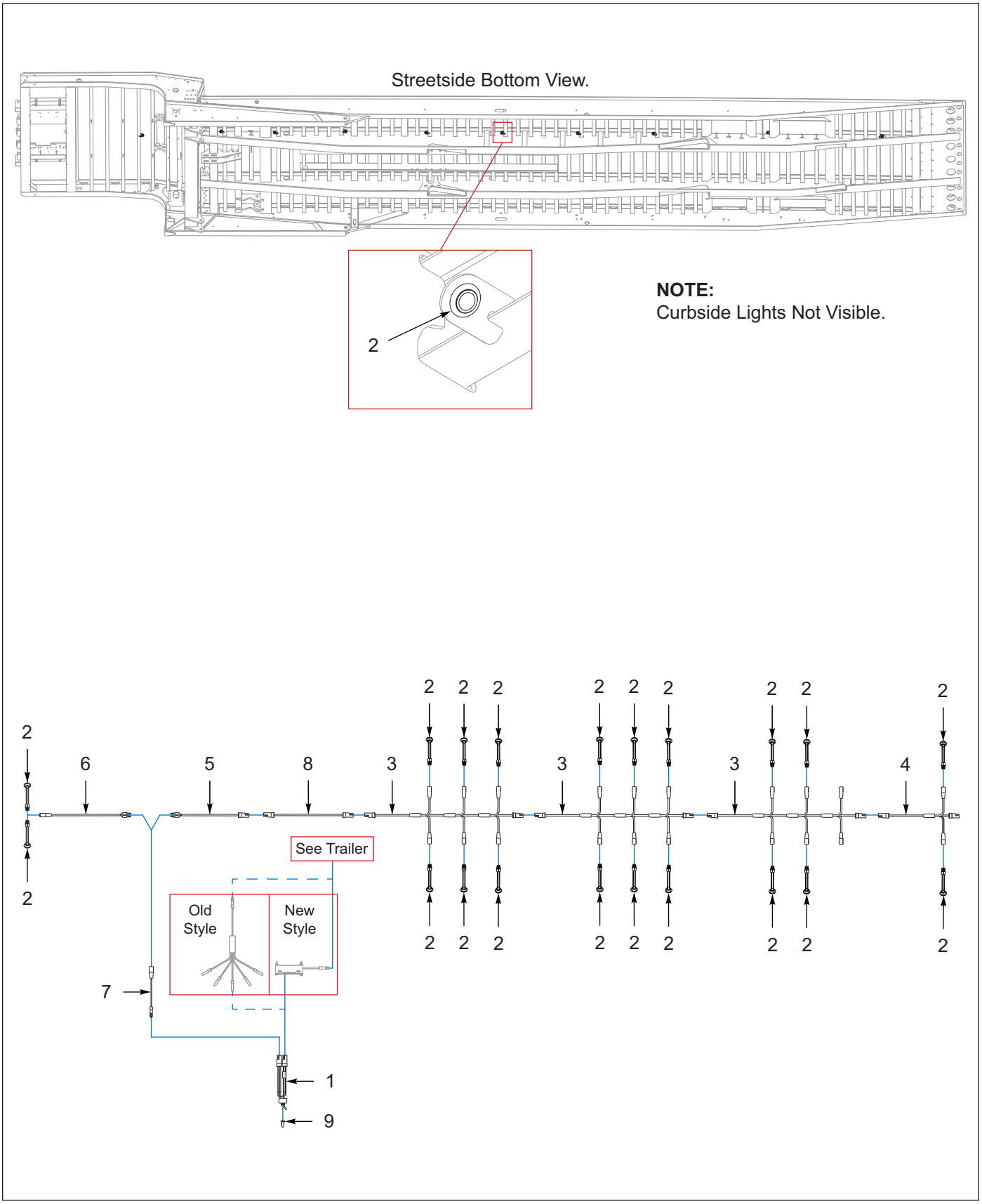


Figure 9-31: Lights, Work Zone, Under Deck (Option) (Before 01/19/2024)

Lights, Work Zone, Under Deck (Option) (Before 01/19/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214403	INSTL WRK ZONE LIGHTS 41 FT., 440-455 **(WZ1)**	- -
	214404	INSTL WRK ZONE LIGHTS 48-50 FT., 440-455 **(WZ2)**	- -
	214405	INSTL WRK ZONE LIGHTS 53 FT., 440-455 **(WZ3)**	- -
	215173	INSTL WRK ZONE LIGHTS 425 **(WZ4)**	- -
	218145	INSTL UNDRDK WORK ZONE LTS 45' **(WZ5)**	- -
	244573	INSTL UNDRDK WORK ZONE LTS 57' **(WZ6)**	- -
1	150117	TOGGLE SWITCH SEALED SPST	1
2	183413	LIGHT WHY LED .75 CL/MK GROTE **(WZ1, REQ 16) (WZ2, REQ 20)** **(WZ3, REQ 22) (WZ4, REQ 14)** **(WZ5, REQ 18) (WZ6, REQ 24)**	- -
3	187856	HARNESS, MARKER MID DECK **(WZ1, WZ4, WZ5, REQ 2)** **(WZ2, WZ3, WZ6, REQ 3)**	- -
4	187857	HARNESS, MARKER ADDITION **(WZ1, WZ2, WZ3, WZ4, REQ 1)** **(WZ5, WZ6, REQ 2)**	- -
5	202191	HARNESS, JUMPER 48 IN. **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
6	202432	HARNESS, MARKER EXT 120" **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
7	213288	HARNESS, MARKER LAMP 12 IN. **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
8	3-368-010252	HARNESS ASSY BKHD LIGHT EXT **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
9	81264	RUBBER BOOT FOR ELECT SWITCH **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1

Lights, Work Zone, Under Deck (Option) (After 01/19/2024)

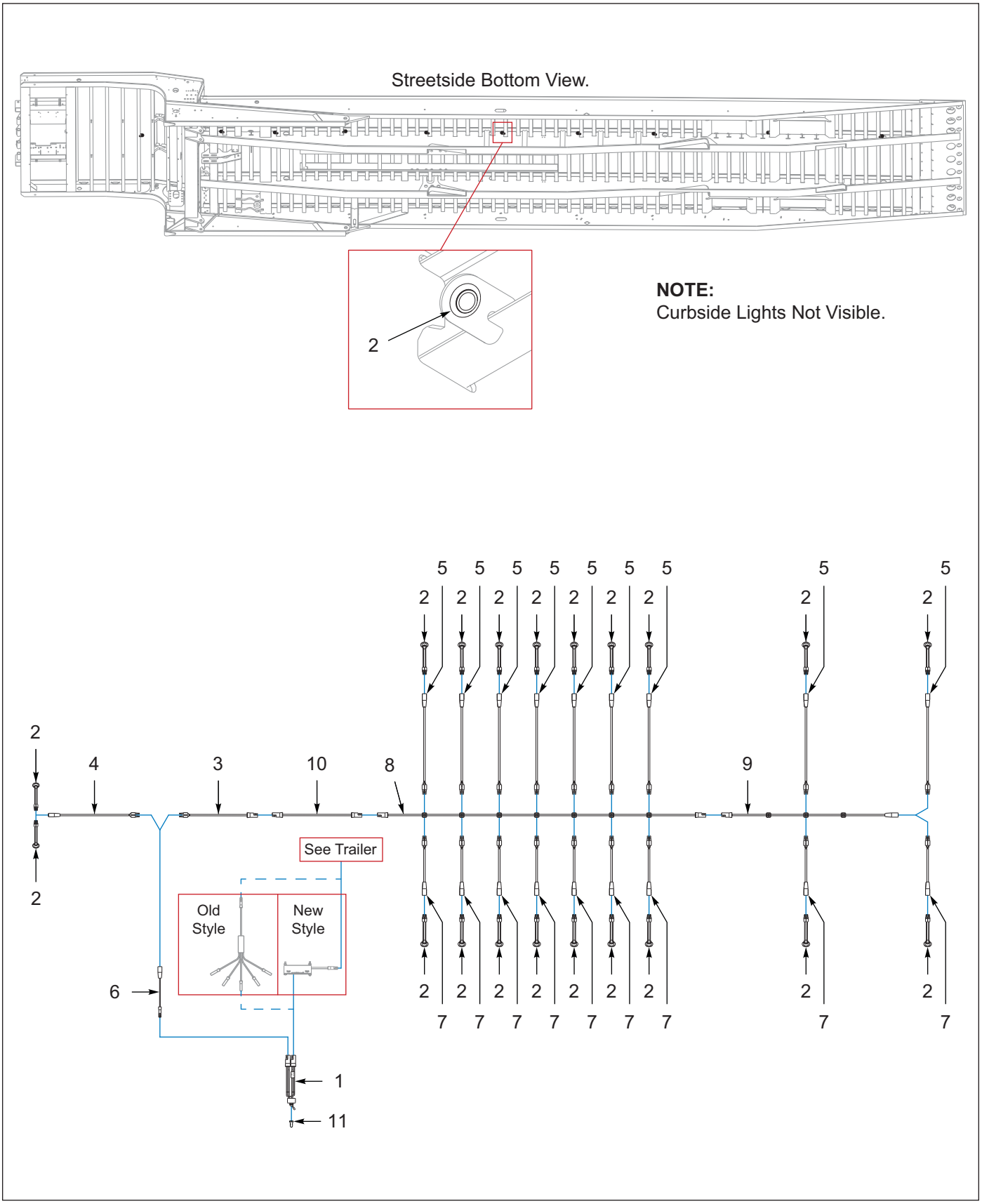


Figure 9-32: Lights, Work Zone, Under Deck (Option) (After 01/19/2024)

Lights, Work Zone, Under Deck (Option) (After 01/19/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214403	INSTL WRK ZONE LIGHTS 41 FT., 440-455 **(WZ1)**	- -
	214404	INSTL WRK ZONE LIGHTS 48-50 FT., 440-455 **(WZ2)**	- -
	214405	INSTL WRK ZONE LIGHTS 53 FT., 440-455 **(WZ3)**	- -
	215173	INSTL WRK ZONE LIGHTS 425 **(WZ4)**	- -
	218145	INSTL UNDRDK WORK ZONE LTS 45' **(WZ5)**	- -
	244573	INSTL UNDRDK WORK ZONE LTS 57' **(WZ6)**	- -
1	150117	SWITCH ASSY LIGHT GROTE **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
2	183413	LIGHT,WHT LED .75 CL/MK GROTE **(WZ1, REQ 16) (WZ2, REQ 20)** **(WZ3, REQ 22) (WZ4, REQ 14)** **(WZ5, REQ 18) (WZ6, REQ 24)**	- -
3	202191	HARNESS JUMPER 48" **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
4	202432	HARNESS, MARKER EXT 120" **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
5	204194	HARNESS MARKER EXT. 60" **(WZ1, REQ 7) (WZ2, REQ 9)** **(WZ3, REQ 10) (WZ4, REQ 6)** **(WZ5, REQ 8) (WZ6, REQ 11)**	- -
6	213288	HARNESS 12" JUMPER ADAPTER **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
7	213290	HARNESS 6" MKR EXTENSION **(WZ1, REQ 7) (WZ2, REQ 9)** **(WZ3, REQ 10) (WZ4, REQ 6)** **(WZ5, REQ 8) (WZ6, REQ 11)**	- -
8	225264	HARNESS,MKR JUMPER,7 LEAD **(WZ1, WZ2, WZ4, WZ5, REQ 1) (WZ3, WZ6, REQ 2)**	- -
9	225265	HARNESS,MKR JUMPER,4 LEAD **(WZ1, WZ2, WZ5, WZ6)**	1
10	3-368-010252	HARNESS ASSY BKHD LIGHT EXT **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1
11	81264	RUBBER BOOT FOR ELECT SWITCH **(WZ1, WZ2, WZ3, WZ4, WZ5, WZ6)**	1

Outlet, Electrical, 4-Pole, Rear (Options)

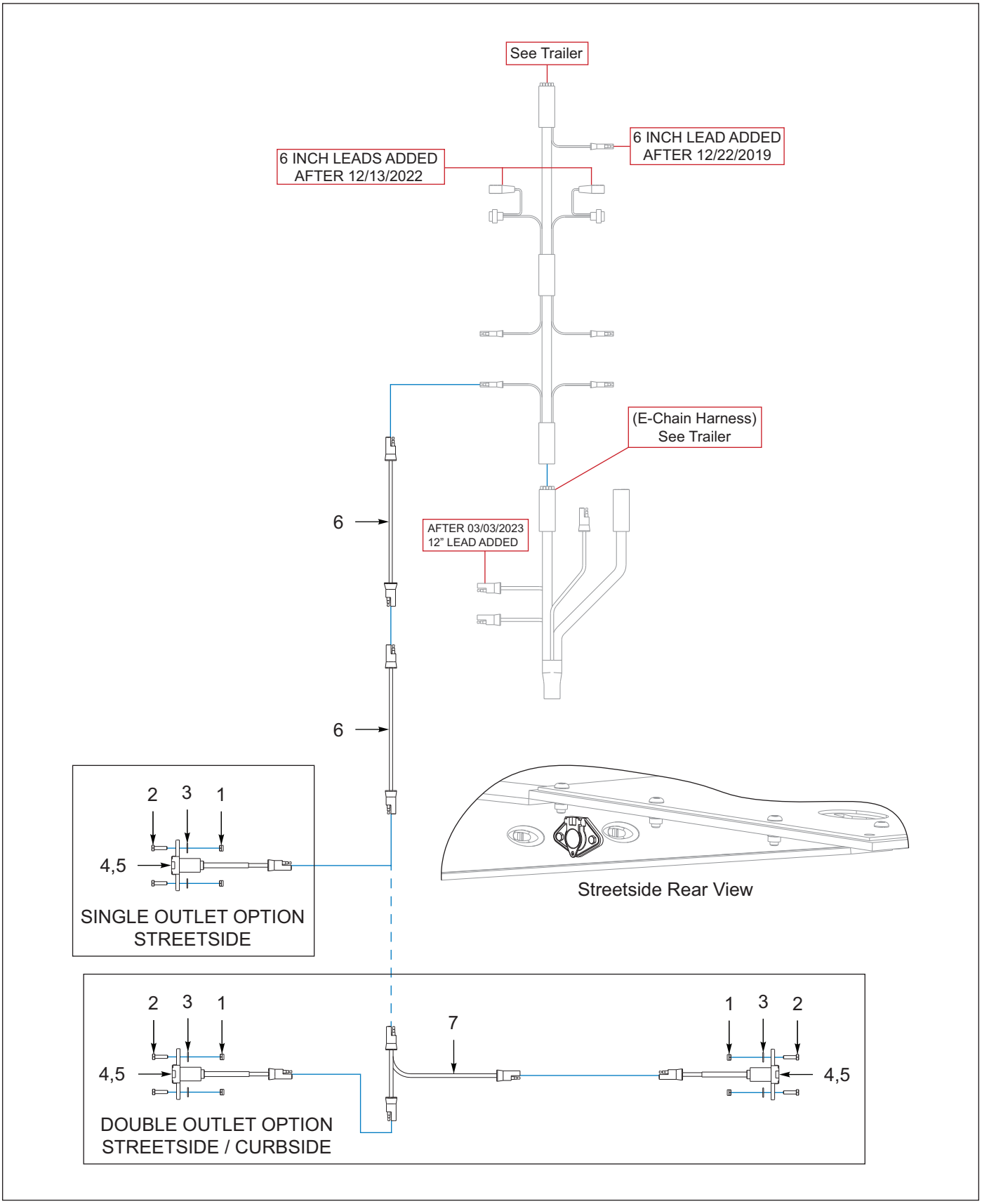


Figure 9-33: Outlet, Electrical, 4-Pole, Rear (Options)

Outlet, Electrical, 4-Pole, Rear (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	145538	ELECT OUTLET REAR ONE SIDE **(SINGLE)** **(INCLUDES ITEMS 1-6)**	- -
	145539	ELECT OUTLET REAR BOTH SIDE **(DOUBLE)** **(INCLUDES ITEMS 1-7)**	- -
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(QTY PER OUTLET)**	2
2	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5 **(QTY PER OUTLET)**	2
3	1-861-010032-07	WASHER,FLAT 1/4 ZP **(QTY PER OUTLET)**	2
4	150116	HARNESS ASSY RCPT 800 **(QTY PER OUTLET)** **(INCLUDES ITEM 5)**	1
5	3-272-010003	CONNECTOR ELECT 4 POLE FM **(INCLUDED WITH ITEM 4)**	1
6	150111	HARNESS 300 IN MALE.FEMALE **(BEFORE 11/12/2020)**	1
6	3-368-010252	HARNESS ASSY BKHD LIGHT EXT **(AFTER 11/12/2020)**	2
7	169853	HARNESS T PWR BRANCH **(DOUBLE) (BEFORE 11/12/2020)**	1
7	150118	HARNESS JUMPER BRANCH **(DOUBLE) (AFTER 11/12/2020)**	1

Outlet, Electrical, 7-Way, Rear (Option)

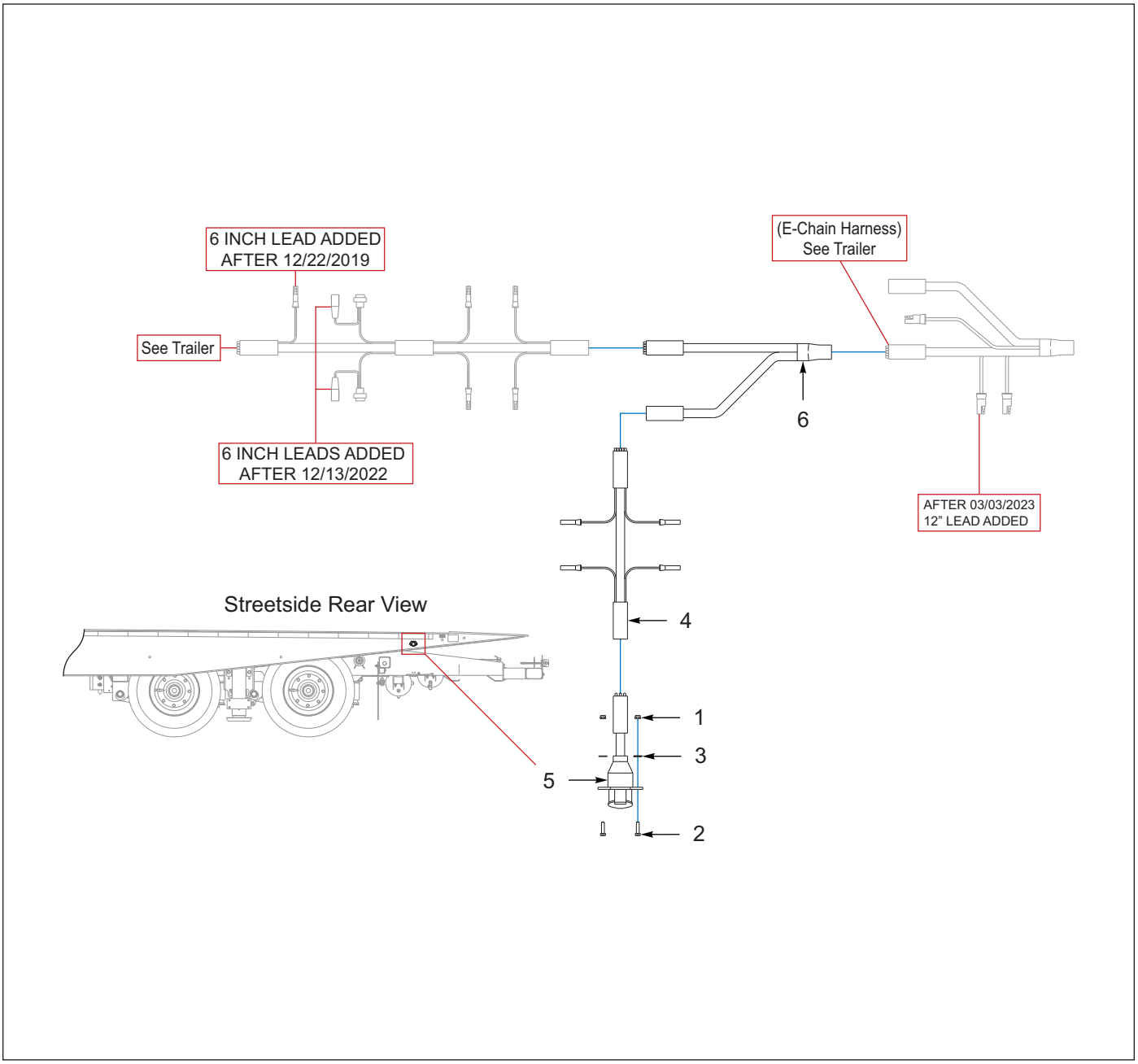


Figure 9-34: Outlet, Electrical, 7-Way, Rear (Option)

Outlet, Electrical, 7-Way, Rear (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	148585	ELECTRIC 7-WAY 317 GROTE	- -
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	2
2	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
3	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
4	143101	HARNESS FRONT MAIN GROTE	1
5	146897	HARNESS 7WAY RECP REAR GROTE	1
6	146929	HARNESS Y SPLITTER GROTE	1

Table provided for general use.

NOTES:

Remote Control Assembly, Wireless, Kar-Tech (Before 08/01/2019)



Figure 9-35: Remote Control Assembly, Wireless, Kar-Tech (Before 08/01/2019)

Remote Control Assembly, Wireless, Kar-Tech (Before 08/01/2019)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	168648	RECEIVER/TRANS MACRO KAR SL AX **(INCLUDES ITEMS 1-2)**	- -
1	168979	LANYARD LANDOLL	1
2	168974	REMOTE KAR-TECH SLIDE AX **(INCLUDES ITEMS 3-6)**	1
3	168975	TRANSMITTER (100)	1
4	175583	RECEIVER 6FUNCT FOR 138151	1
5	235291	CHARGER 12V TO MAGNETIC USB **(CORD ONLY, REQUIRES ITEM 6)**	1
6	168976	CHARGER 12V TO MICRO USB **(CAR CHARGER W/MICRO USB, REQUIRES ITEM 5)**	1
7	168982	CHARGER 120V TO MICRO USB **(SOLD SEPERATELY) (WALL CHARGER, REQUIRES ITEM 5)**	1
8	197460	BATTERY REPLACE KARTECH MACRO **(SOLD SEPERATELY) (CERTAIN TRANSMITTER MODEL NUMBERS ONLY. FOR COMPATIBILITY, CONTACT LANDOLL SERVICE DEPARTMENT)**	1

Remote Control Assembly, Wireless, Brand (After 08/01/2019)

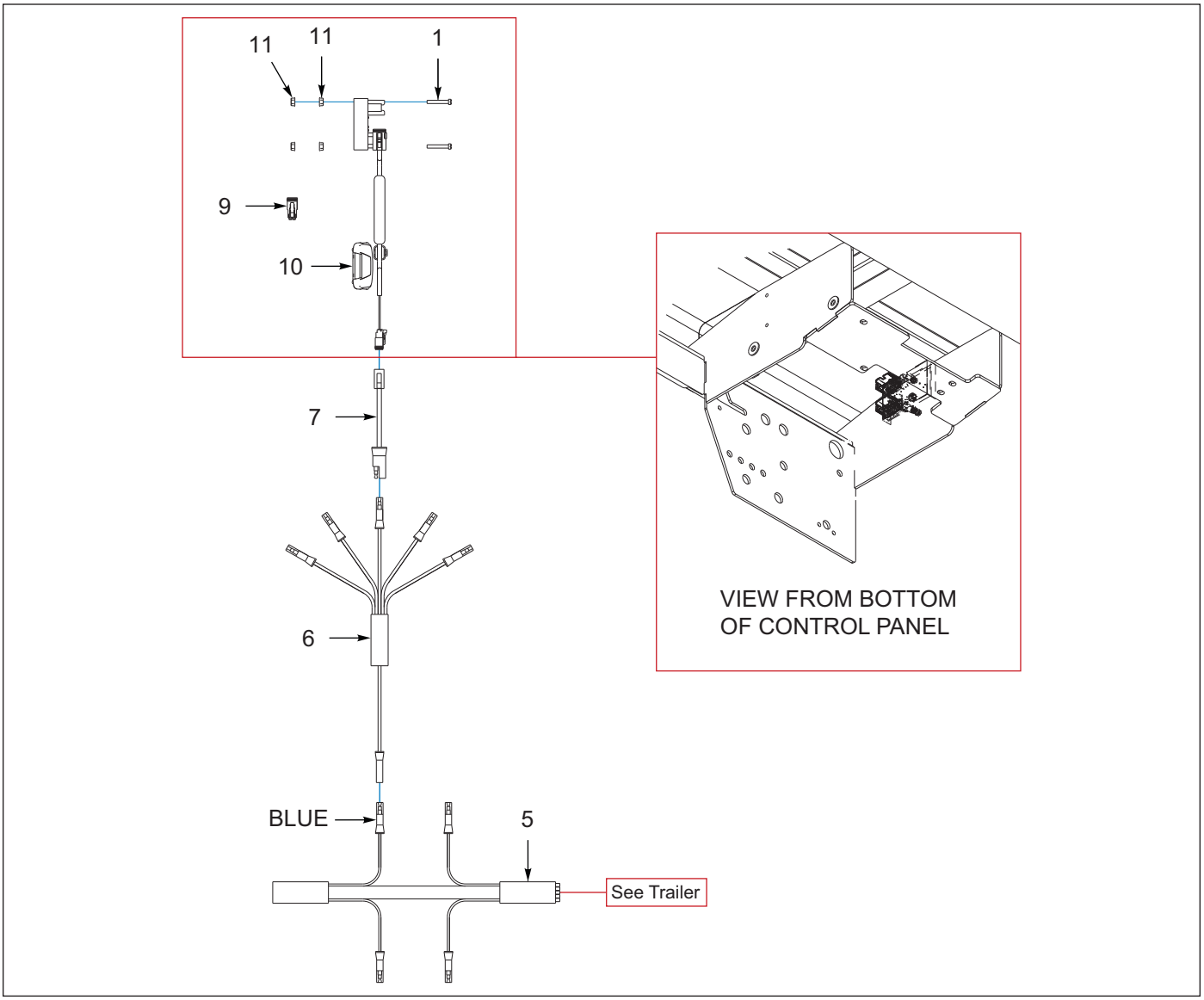


Figure 9-36: Remote Control Assembly, Wireless, Brand (After 08/01/2019)

Remote Control Assembly, Wireless, Brand (After 08/01/2019)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-654-010024055	SCREW,MACH,FLSTR,#10-24X1-1/4	2
2	1-660-010006	SILICONE, CLEAR RTV **(NOT SHOWN)**	0.5
3	1-796-010002-01	TIE, STRAP,PLASTIC .140X5.50 **(NOT SHOWN)**	1
4	1-861-010032-04	WASHER,FLAT 3/16 ZP **(NOT SHOWN)**	4
5	143101	HARNESS FRONT MAIN GROTE	- -
6	150093	HARNESS 5 AUX BRANCHES GROTE	1
7	164052	HARNESS,60"BRANCH,WORK LIGHT	1
8	186885	VALVE, 3 SP, 35 GPM, SOLENOID	- -
9	194407	PLUG ASSY DUMMY DEUTSCH 2 PIN	- -
10	209100	REMOTE KIT BRAND 6 FUNC SLIDE **(COMPONENTS - SEE PAGE 9-52)**	1
11	212074	NUT 10-24 FLANGE HD SERRATED	4

Remote Control Kit, Wireless, Brand (After 08/01/2019)

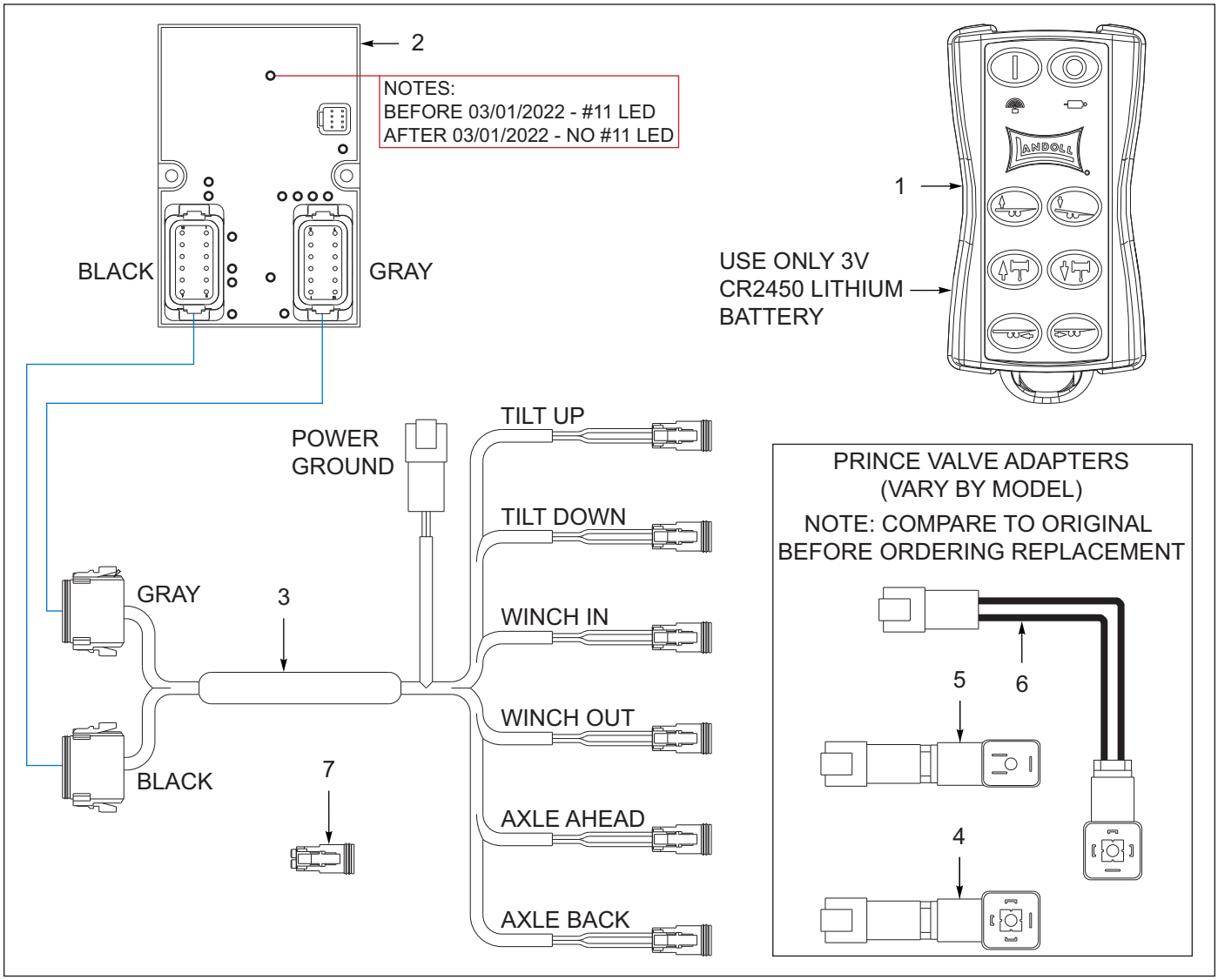


Figure 9-37: Remote Control Kit, Wireless, Brand (After 08/01/2019)

Remote Control Kit, Wireless, Brand (After 08/01/2019)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	209100	KIT REMOTE BRAND 6 FUNC SLIDE **(INCLUDES ITEMS 1-3)**	- -
1	209101	TRANSMITTER 6 FUNC SLIDE AX	1
2	209102	RECEIVER 6 FUNC SIDE AX	1
3	209103	HARNESS RECEIVER 6 FUNC SLIDE	1
4	218023	ADAPTER DIN 43/2PIN DUTSCH **(PRINCE VALVES ONLY)** **(SOLD SEPERATELY - COMPARE TO INSTALLED ADAPTERS)**	- -
5	220692	ADAPTER DIN46/2PIN DUTSCH **(PRINCE VALVES ONLY)** **(SOLD SEPERATELY - COMPARE TO INSTALLED ADAPTERS)**	- -
6	229494	ADAPTER DIN/2PIN DUTSCH 6IN **(PRINCE VALVES ONLY)** **(SOLD SEPERATELY - COMPARE TO INSTALLED ADAPTERS)**	- -
7	194407	PLUG ASSY DUMMY DEUTSCH 2 PIN **(SOLD SEPERATELY - PLUGS VALVE CONNECTIONS ON NEWER VALVE ASSEMBLIES IF REMOTE OPTION NOT AVAILABLE)**	- -

Scale (Options) (See System, Air)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	168593	THERMALERT TIS 2 AXLE**(AIR SYSTEM - SEE PAGE 8-109) (COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-113)**	- -
	195395	THERMALERT TIS 3 AXLE**(AIR SYSTEM - SEE PAGE 8-111) (COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-113)**	- -

Tire Inflation (Options) (See System, Air)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	166821	SCALE INSTALLATION, LOADMAXX SYSTEM **(BEFORE 3/31/2020)** **(COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-73)**	- -
	175358	SCALE INSTL QUICKLOAD(TRAVEL) **(BEFORE 3/31/2020)** **(COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-74)**	- -
	226657	QUICKLOAD PLUS TRAV AX INSTL **(AFTER 03/31/2020)** **(COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-75)**	- -
	226661	LOADMAXX PLUS TRAV AX INSTL **(AFTER 03/31/2020)** **(COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-75)**	- -
	170470	SCALE INSTALLATION, RIGHT WEIGH SYSTEM **(NON-BLUETOOTH)** **(COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-77)**	- -
	205742	SCALE INSTALLATION, RIGHT WEIGH SYSTEM W/ BLUETOOTH **(BLUETOOTH)** **(COMPONENTS & ELECTRICAL SYSTEM - SEE PAGE 8-77)**	- -

Winch Install (See Retrieval System (Options))

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010144-01	WINCH, 12K SPRING TENSION **(SEE PAGE 7-1)**	- -
	3-873-010140-01	WINCH, 20K SPRING TENSION **(SEE PAGE 7-3)**	- -
	162415	WINCH, 20K GUIDE AIR TENSION/RELEASE **(SEE PAGE 7-5)**	- -
	240553	WINCH INSTL 20K BRADEN 2SP STD **(20K)** **(SEE PAGE 7-11)**	- -
	240563	WINCH INSTL 30K BRADEN 2SPD **(30K)** **(SEE PAGE 7-11)**	- -
	240529	WINCH INSTL 20K RAMSEY 2SP STD**(20K STD GN)** **(SEE PAGE 7-13)**	- -
	240532	WINCH INST 30K RAMSEY 2SPD STD **(30K STD GN)** **(SEE PAGE 7-13)**	- -
	240534	WINCH INST 30K RAMSEY 2SPD HD **(30K HD GN)** **(SEE PAGE 7-13)**	- -
	167522	WINCH INSTL 20K WARN 2SP STD **(20K STD GN)** **(SEE PAGE 7-15)**	- -
	174175	WINCH INSTL 20K WARN 2SP HD **(20K HD GN)** **(SEE PAGE 7-15)**	- -
	172878	WINCH INSTALLATION, 30K 2 SPEED **(30K)** **(SEE PAGE 7-15)**	- -

Table provided for general use.

NOTES:

System, Grease

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

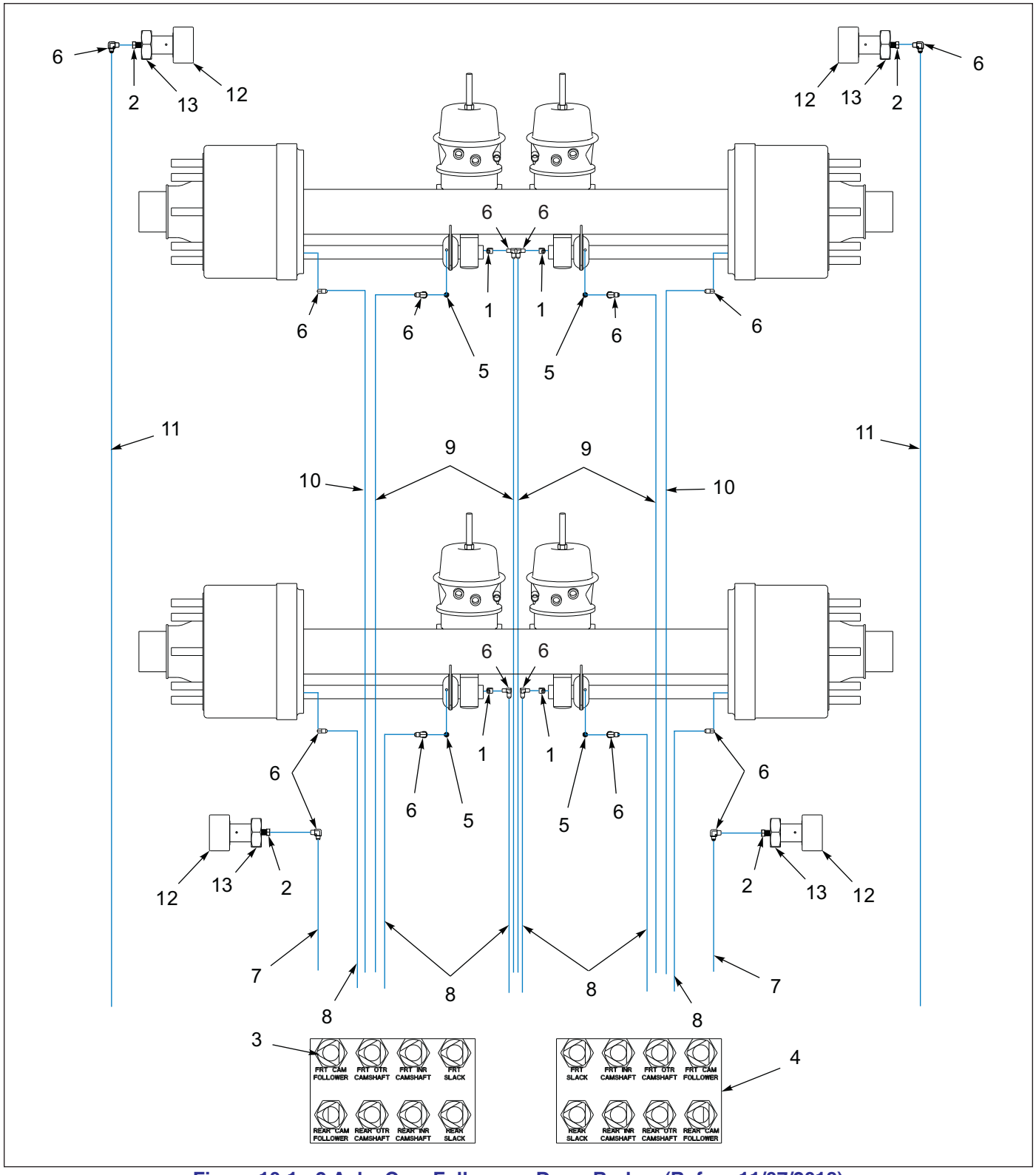


Figure 10-1: 2 Axle, Cam Followers, Drum Brakes (Before 11/07/2018)

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

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214413	SUSP 440B 102 2512-70.5 GROTE	- -
	214418	SUSP 440B 108 2516-75 60K	- -
	214422	SUSP 440B CA 102 2512-70.5 **(CA)**	- -
	214425	SUSP 440B-CA-102BB D/L **(CA)**	- -
1	101528	ELBOW,BRASS PIPE STREET	4
2	118-2659-1	BUSHING 1/4 X 1/8 NPT STL	4
3	142545	NUT 7/16 FOR BULKHEAD	16
4	142553	DECAL, GREASE TRL U/C	2
5	202094	ADAPTER 5/16- -18X1/8NPT(F)	4
6	202099	FITTING GREASE 90 SWIV PTC 1/8	16
7	202103	HOSE ASSY GREASE 1/8 X 45	2
7	202104	HOSE ASSY GREASE 1/8 X 60 **(CA)**	2
8	202106	HOSE ASSY GREASE 1/8 X 72	6
8	202108	HOSE ASSY GREASE 1/8 X 88 **(CA)**	6
9	202112	HOSE ASSY GREASE 1/8 X 118	4
9	202114	HOSE ASSY GREASE 1/8 X 133 **(CA)**	4
10	202113	HOSE ASSY GREASE 1/8 X 126	2
10	202116	HOSE ASSY GREASE 1/8 X 144 **(CA)**	2
11	202118	HOSE ASSY GREASE 1/8 X 156	2
11	202121	HOSE ASSY GREASE 1/8 X 172 **(CA)**	2
12	3-076-010005	CAM FOLLOWER 4 IN DIA	4
13	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-13)**	4

2 Axle, Cam Followers, Drum Brakes (11/07/2018 To 08/31/2020)

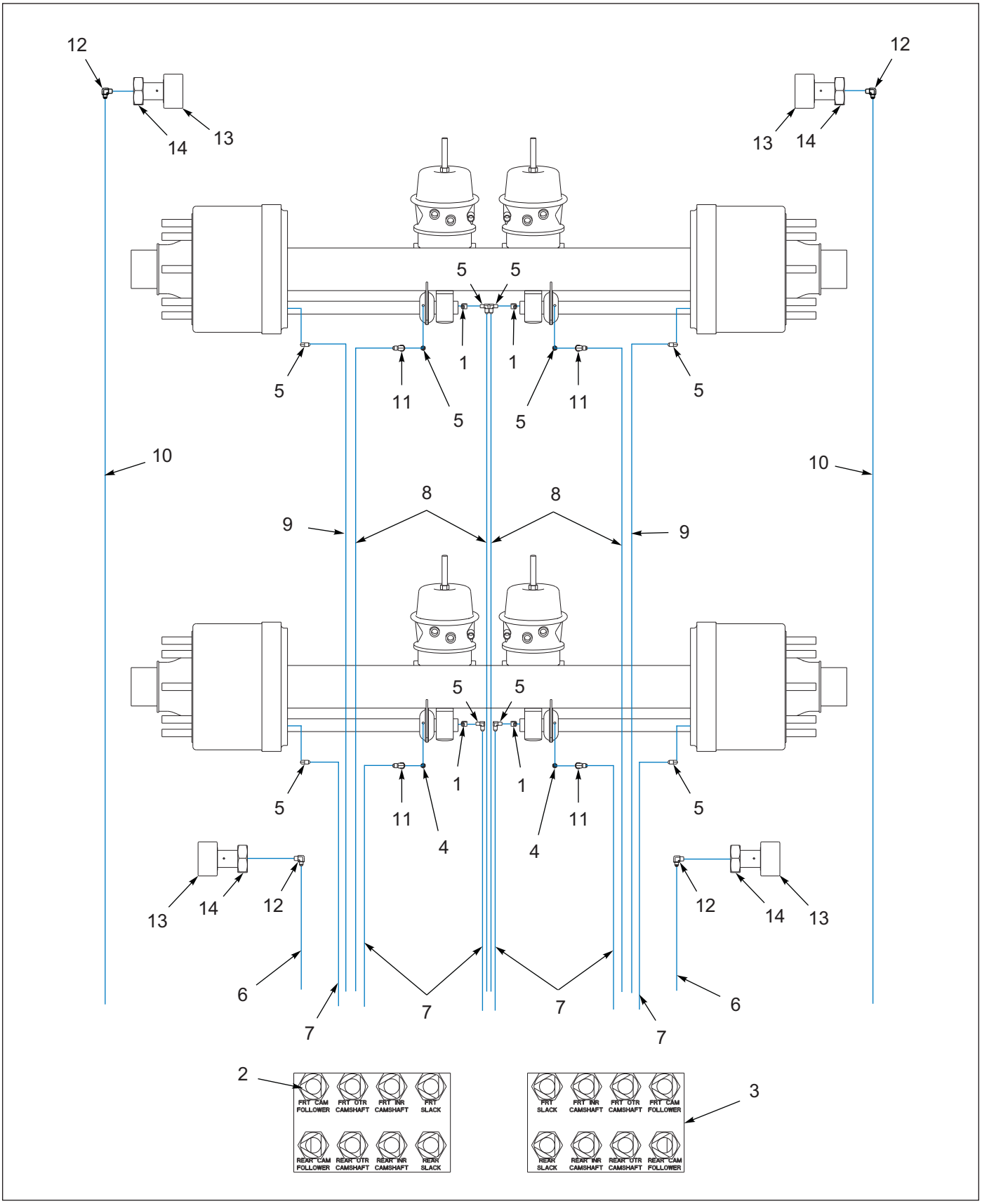


Figure 10-2: 2 Axle, Cam Followers, Drum Brakes (11/07/2018 To 08/31/2020)

2 Axle, Cam Followers, Drum Brakes (11/07/2018 To 08/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214413	SUSP 440B 102 2512-70.5 GROTE	- -
	214418	SUSP 440B 108 2516-75 60K	- -
	214422	SUSP 440B CA 102 2512-70.5 **(CA)**	- -
	214425	SUSP 440B-CA-102BB D/L **(CA)**	- -
1	101528	ELBOW,BRASS PIPE STREET	4
2	142545	NUT 7/16 FOR BULKHEAD	16
3	142553	DECAL, GREASE TRL U/C	2
4	202094	ADAPTER 5/16- -18X1/8NPT(F)	4
5	202099	FITTING GREASE 90 SWIV PTC 1/8	8
6	202103	HOSE ASSY GREASE 1/8 X 45	2
6	202104	HOSE ASSY GREASE 1/8 X 60 **(CA)**	2
7	202106	HOSE ASSY GREASE 1/8 X 72	6
7	202108	HOSE ASSY GREASE 1/8 X 88 **(CA)**	6
8	202112	HOSE ASSY GREASE 1/8 X 118	4
8	202114	HOSE ASSY GREASE 1/8 X 133 **(CA)**	4
9	202113	HOSE ASSY GREASE 1/8 X 126	2
9	202116	HOSE ASSY GREASE 1/8 X 144 **(CA)**	2
10	202118	HOSE ASSY GREASE 1/8 X 156	2
10	202121	HOSE ASSY GREASE 1/8 X 172 **(CA)**	2
11	216599	FITTING,GREASE 1/4 TUBE X 1/8	4
12	216600	FITTING GREAST 90SWIV P-T-C1/4	4
13	3-076-010005	CAM FOLLOWER 4 IN DIA	4
14	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-13)**	4

2 Axle, Cam Followers (After 08/31/2020 To 09/01/2024)

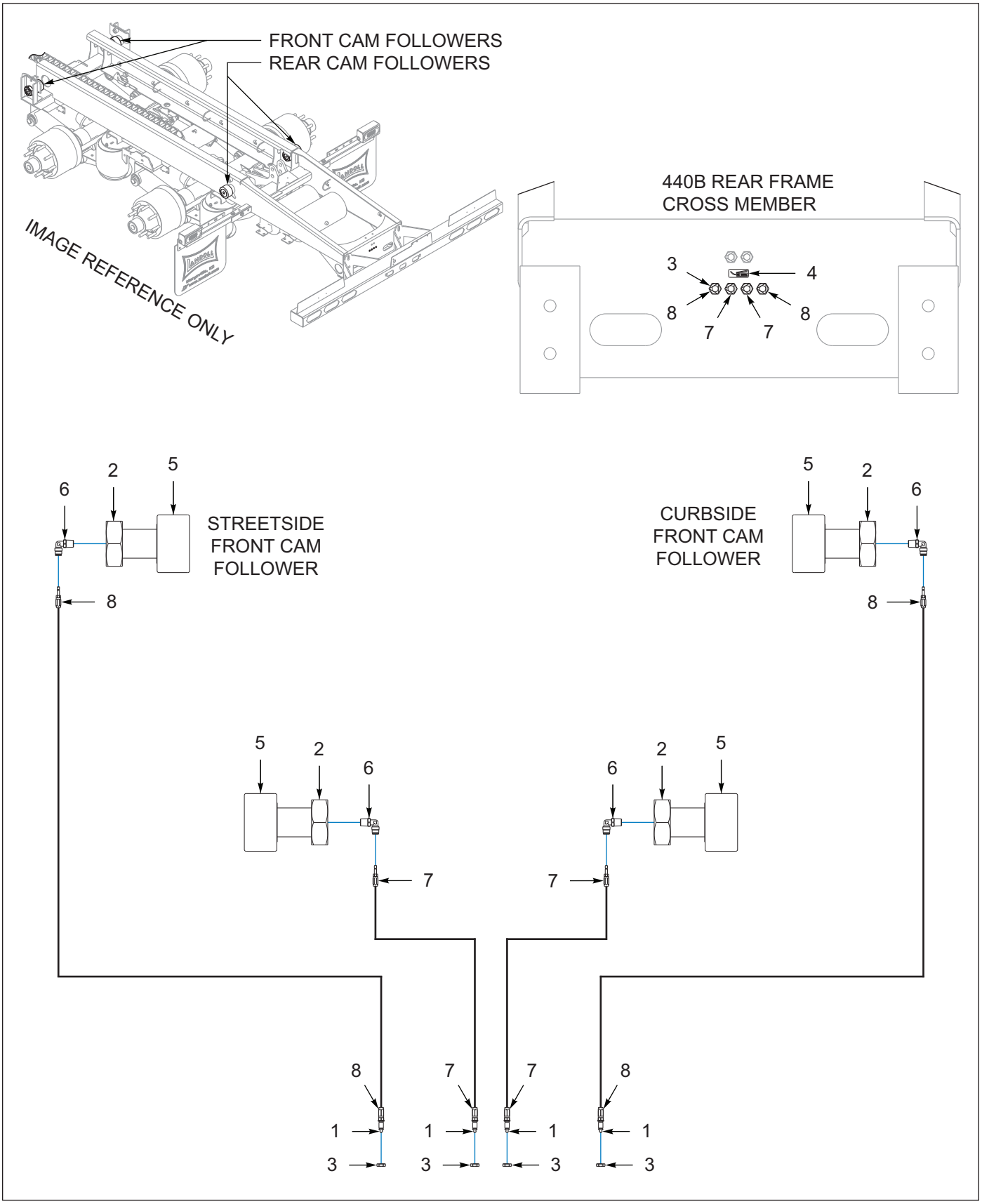


Figure 10-3: 2 Axle, Cam Followers (After 08/31/2020 To 09/01/2024)

2 Axle, Cam Followers (After 08/31/2020 To 09/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214413	SUSP 440B 102 2512-70.5 GROTE	- -
	214415	SUSP 440B 108 2512-77 RTAC	- -
	214417	SUSP 440B108 2516-75	- -
	214422	SUSP 440B CA 102 2512-70.5	- -
	214424	SUSP 440B-CA-102 BB GROTE	- -
	214426	SUSP,440B-102 2516 GROTE	- -
	214428	SUSP,440B-41 2516-69 GROTE	- -
	215487	SUSP 440B-102 SB GRT AQUA PKG	- -
	217167	SUSP 440B 120 SB	- -
	217918	SUSP 440B-50CA 108	- -
	217991	SUSP 440B 120 BB	- -
	218109	SUSP 440B 102 SB DSC	- -
	218111	SUSP 440B 108 SB DSC	- -
	218113	SUSP 440B 108 BB DSC	- -
	218115	SUSP 440 102CA SB DSC LED	- -
	218117	SUSP 440B-CA 102 BB DSC	- -
	220631	SUSP 440B 102 BB DSC	- -
	220634	SUSP 440B 41 102 BB DSC	- -
	220637	SUSP 440B-CA 108 SB DSC	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEMS 7-8, INCLUDES 1 EACH)**	1
2	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-13)**	4
3	142545	NUT 7/16 FOR BULKHEAD	4
4	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
5	3-076-010005	CAM FOLLOWER 4 IN DIA **(INSTALLATION - SEE PAGE 2-13)**	4
6	216600	FITTING GREAST 90SWIV P-T-C1/4	4
7	243354	HOSE ASSY GREASE 1/8X48 B **(INCLUDES ITEM 1, 1 EACH)** **(102, 108)** **(BEFORE 04/03/2023 - 202104 WAS USED, TOO LONG)** **(AFTER 04/03/2023 - CHANGED TO 243354)**	2
7	243355	HOSE ASSY GREASE 1/8X64 **(INCLUDES ITEM 1, 1 EACH)** **(102-CA, 108-CA)** **(BEFORE 04/03/2023 - 202106 WAS USED, TOO LONG)** **(AFTER 04/03/2023 - CHANGED TO 243355)**	2
7	202104	HOSE ASSY GREASE 1/8 X 60 **(INCLUDES ITEM 1, 1 EACH)** **(120)**	2
8	243356	HOSE ASSY GREASE 1/8X160 **(INCLUDES ITEM 1, 1 EACH)** **(102, 108)** **(BEFORE 04/03/2023 - 202121 WAS USED, TOO LONG)** **(AFTER 04/03/2023 - CHANGED TO 243356)**	2
8	243357	HOSE ASSY GREASE 1/8X176 **(INCLUDES ITEM 1, 1 EACH)** **(102-CA, 108-CA)** **(BEFORE 04/03/2023 - 202123 WAS USED, TOO LONG)** **(AFTER 04/03/2023 - CHANGED TO 243357)**	2
8	202121	HOSE ASSY GREASE 1/8 X 172 **(INCLUDES ITEM 1, 1 EACH)** **(120)**	2

2 Axle, Cam Followers (After 09/01/2024)

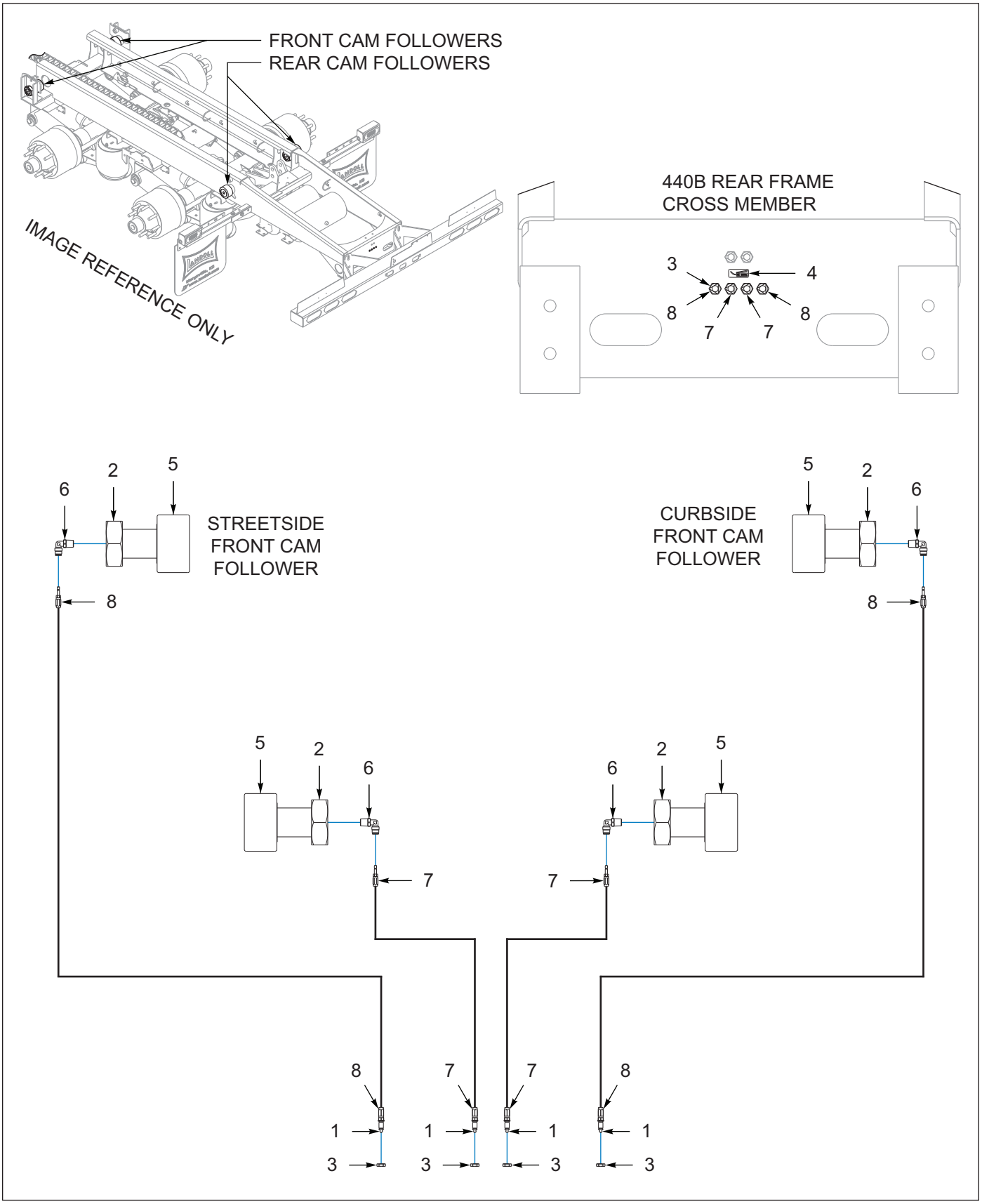


Figure 10-4: 2 Axle, Cam Followers (After 09/01/2024)

2 Axle, Cam Followers (After 09/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	249027	SUSP 440B 102 SB HLDX **(102 / 108 DRUM BRAKE MODELS)**	- -
	249036	SUSP 440B 120 BB HLDX **(120 DRUM BRAKE MODELS)**	- -
	249039	SUSP 440B 102 SB DSC HLDX **(102 / 108 DISC BRAKE MODELS)**	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEMS 7-8, INCLUDES 1 EACH)**	1
2	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-13)**	4
3	142545	NUT 7/16 FOR BULKHEAD	4
4	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
5	3-076-010005	CAM FOLLOWER 4 IN DIA **(INSTALLATION -SEE PAGE 2-13)**	4
6	216600	FITTING GREAST 90SWIV P-T-C1/4	4
7	243354	HOSE ASSY GREASE 1/8X48 **(102, 108)**	2
7	243355	HOSE ASSY GREASE 1/8X64 **(102-CA, 108-CA)**	2
7	202104	HOSE ASSY GREASE 1/8 X 60 **(120)**	2
8	243356	HOSE ASSY GREASE 1/8X160 **(102, 108)**	2
8	243357	HOSE ASSY GREASE 1/8X176 **(102-CA, 108-CA)**	2
8	202121	HOSE ASSY GREASE 1/8 X 172 **(120)**	2

2 Axle Spread, Cam Followers, Rollers (Option)

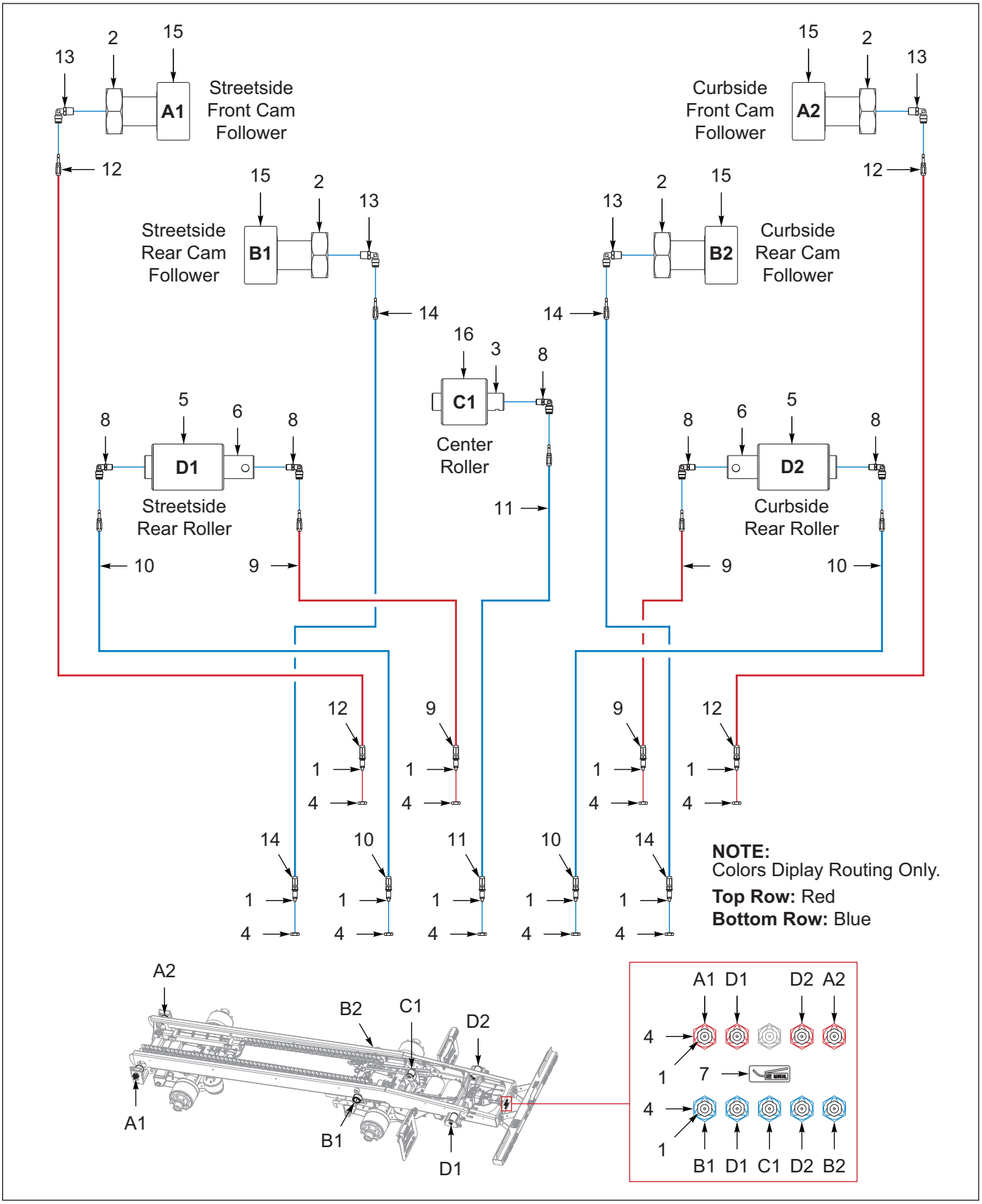
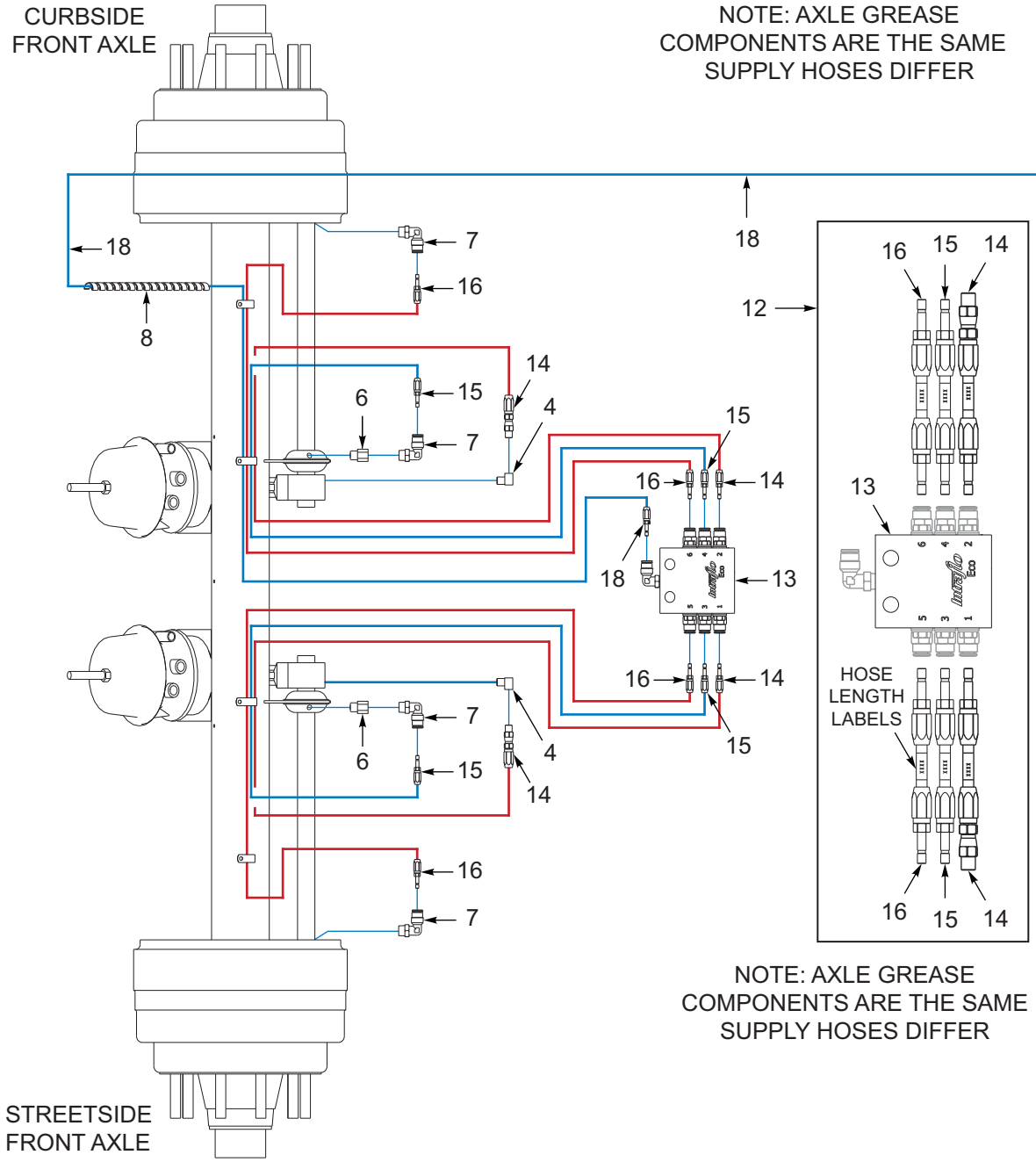


Figure 10-5: 2 Axle Spread, Cam Followers, Rollers (Option)

2 Axle Spread, Cam Followers, Rollers (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252523	SUSP 440 SLDR 50-121 HLDX **(DRUM)**	- -
	252553	SUSP 440 SLDR 50-121 DSC **(DISC)**	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEMS 9-12, 14, INCLUDES 1 EACH)**	1
2	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-15)**	4
3	121686	PIN 1-1/2X6-1/4 **(INSTALLATION - SEE PAGE 2-15)**	1
4	142545	NUT 7/16 FOR BULKHEAD	9
5	182066	ROLLER ASSY 4 X 6 **(INSTALLATION - SEE PAGE 2-15)**	2
6	182068	PIN REAR ROLLER 440 SLIDER **(INSTALLATION - SEE PAGE 2-15)**	2
7	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
8	202099	FITTING GREASE 90 SWIV PTC 1/8	5
9	202103	HOSE ASSY GREASE 1/8 X 45	2
10	202104	HOSE ASSY GREASE 1/8 X 60	2
11	202109	HOSE ASSY GREASE 1/8 X 94	1
12	204226	HOSE ASSY GREASE 1/8 X 260	2
13	216600	FITTING GREAST 90SWIV P-T-C1/4	4
14	230729	HOSE ASSY GREASE 1/8 X 110	2
15	3-076-010015	5IN DIA CAM FOLLOWER **(INSTALLATION - SEE PAGE 2-15)**	4
16	3-645-010084	ROLLER ASSY,REAR U/C 660FG **(INSTALLATION - SEE PAGE 2-15)**	1

2 Axle, Drum Brakes (After 08/31/2020 To 09/01/2024)



NOTE:
ITEMS 1-16 QUANTITIES ARE PER AXLE.

NOT SHOWN:
20 - TIE, STRAP, PLASTIC

Figure 10-6: Axle, Drum Brakes (After 08/31/2020 To 09/01/2024) (1 of 3)

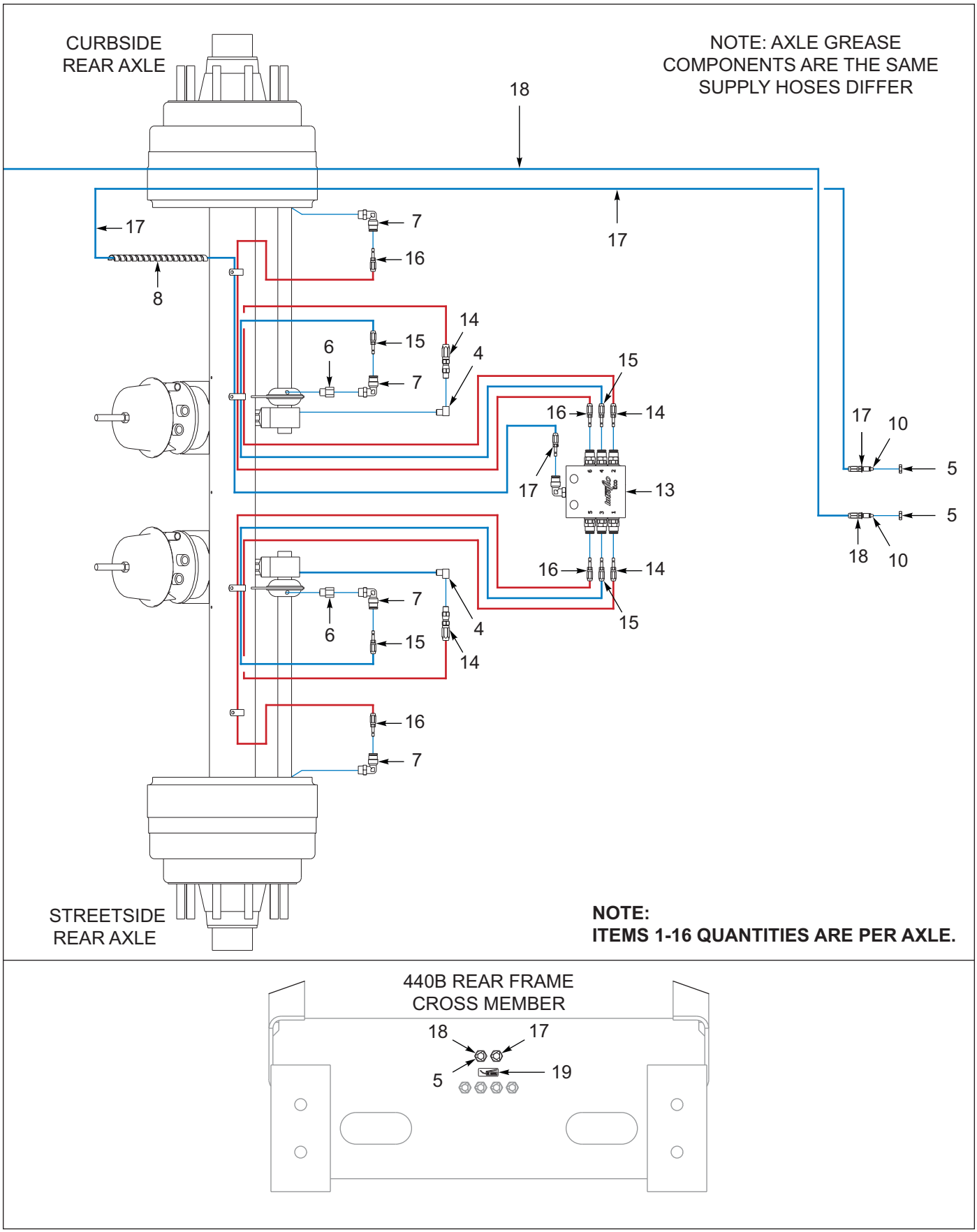


Figure 10-7: Axle, Drum Brakes (After 08/31/2020 To 09/01/2024) (2 of 3)

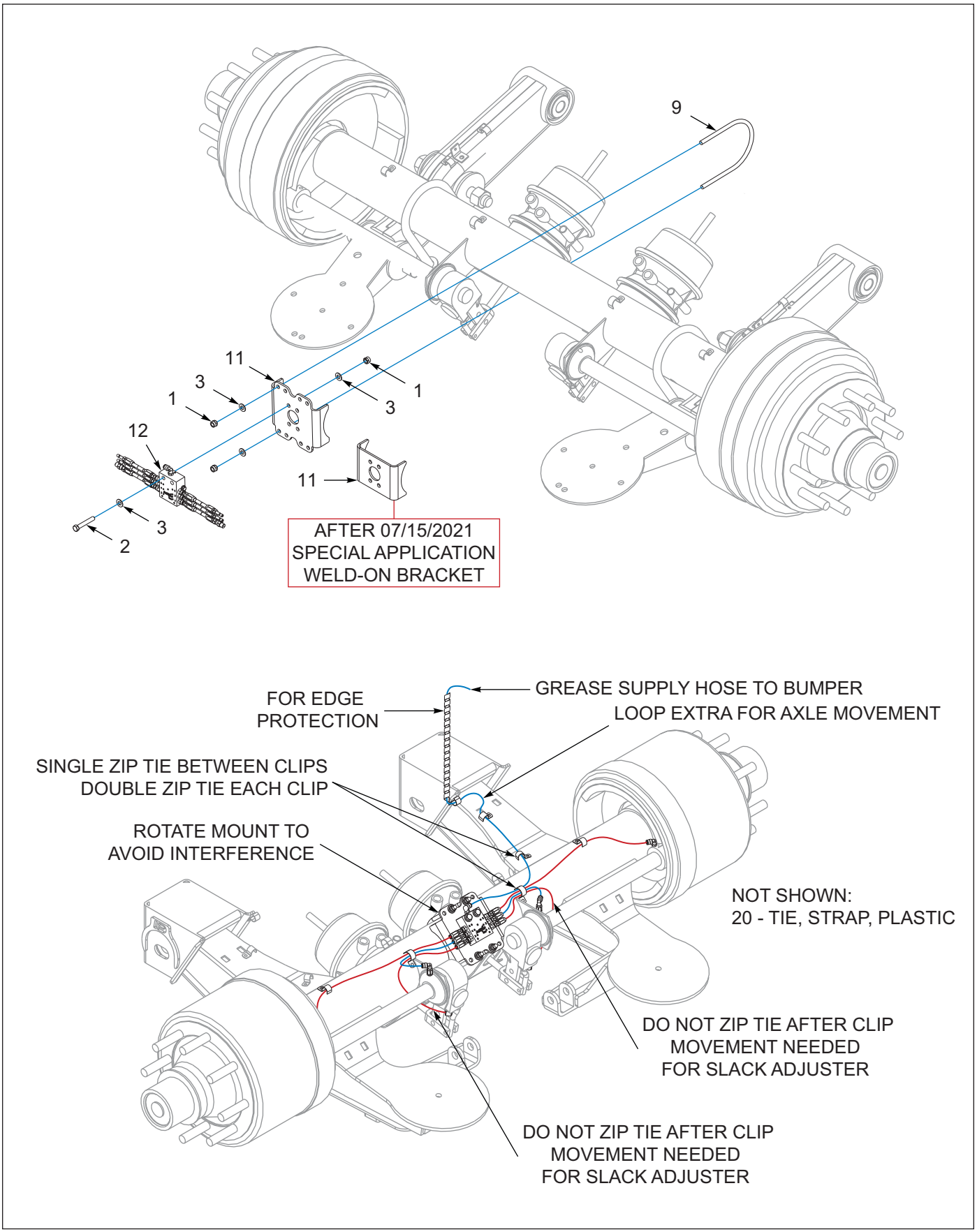


Figure 10-8: Axle, Drum Brakes (After 08/31/2020 To 09/01/2024) (3 of 3)

2 Axle, Drum Brakes (After 08/31/2020 To 09/01/2024)

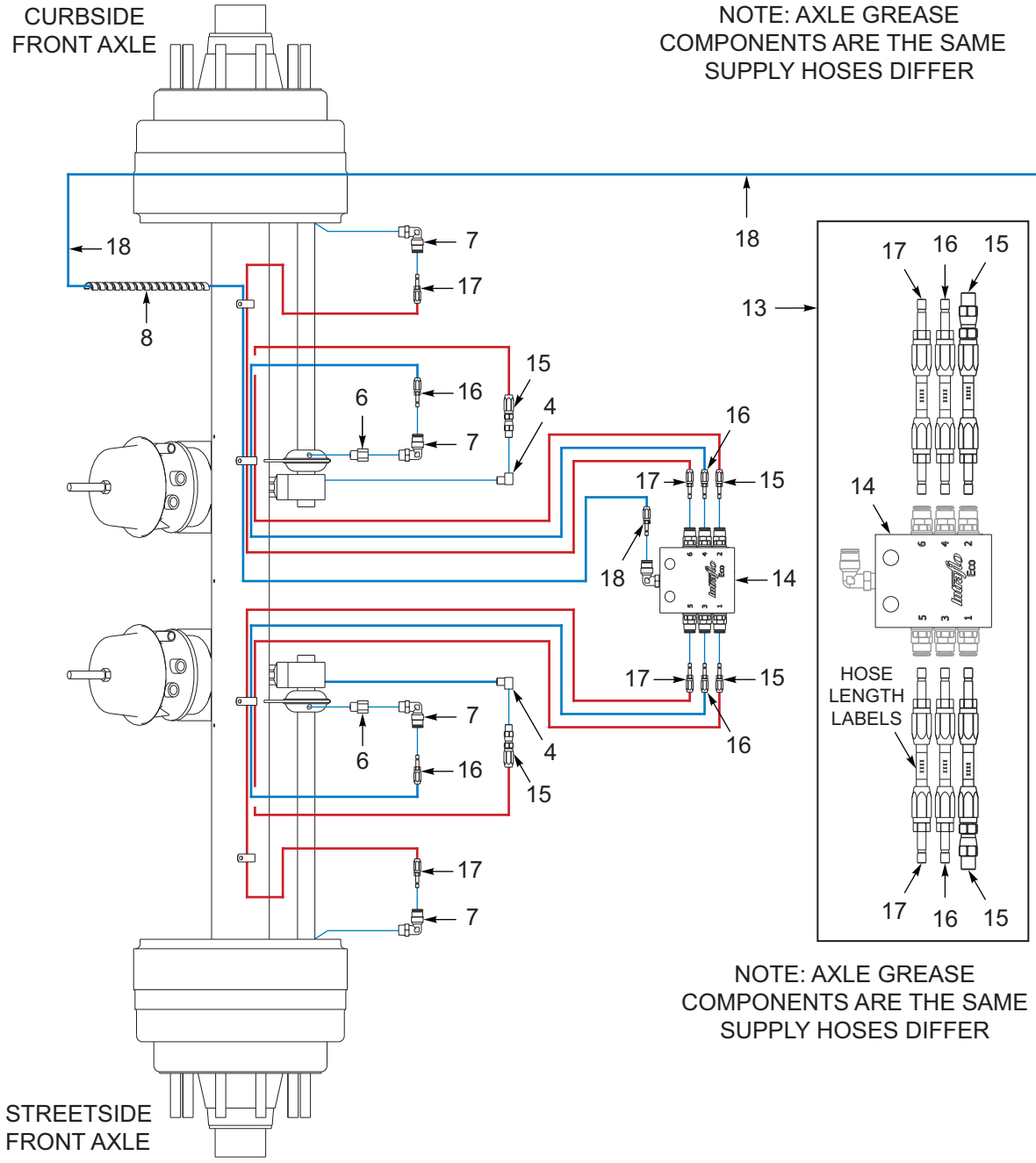
ITEM	PART NUMBER	DESCRIPTION	QTY.
	214413	SUSP 440B 102 2512-70.5 GROTE **(SUSP 1 - 102 SB)**	- -
	214422	SUSP 440B CA 102 2512-70.5 **(SUSP 2 - 102-CA SB)**	- -
	215487	SUSP 440B-102 SB GRT AQUA PKG **(SUSP 3 - 102 SB AQUA)**	- -
	214428	SUSP,440B-41 2516-69 GROTE **(SUSP 4 - 102-41 BB)**	- -
	214426	SUSP,440B-102 2516 GROTE **(SUSP 5 - 102 BB)**	- -
	214424	SUSP 440B-CA-102 BB GROTE **(SUSP 6 - 102-CA BB)**	- -
	214415	SUSP 440B 108 2512-77 RTAC **(SUSP 7 - 108 SB RTAC)**	- -
	214417	SUSP 440B108 2516-75 **(SUSP 8 - 108 BB)**	- -
	217918	SUSP 440B-50CA 108 **(SUSP 9 - 108-CA SB)**	- -
	217167	SUSP 440B 120 SB **(SUSP 10 - 120 SB)**	- -
	217991	SUSP 440B 120 BB **(SUSP 11 - 120 BB)**	- -
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(SUSP 1-3, 7-11, REQ 6 EACH) (SUSP 4-6 BEFORE 07/15/2021, REQ 6 EACH - AFTER 07/14/2021, REQ 2 EACH)**	- -
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 **(SUSP 1-3, 7-11, REQ 8 EACH) (SUSP 4-6 BEFORE 07/15/2021, REQ 8 EACH - AFTER 07/14/2021, REQ 4 EACH)**	- -
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 **(SUSP 1-3, 7-11, REQ 2 EACH) (SUSP 4-6 BEFORE 07/15/2021, REQ 2 EACH - AFTER 07/14/2021, NOT USED)**	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 **(SUSP 1-3, 7-10, REQ 1 EACH) (SUSP 4-6 BEFORE 07/15/2021, REQ 1 EACH - AFTER 07/14/2021, REPLACED BY 233622)**	1
11	233622	MOUNT WELD-ON AXLE GREASE VLV **(AFTER 07/14/2021, USED ON SUSP 4-6)**	1
12	229177	VALVE AXLE GREASE ASM 22-16-28 **(SUSP 1-9 KIT INCLUDES ITEMS 13-16)**	1
12	233671	VALVE AXLE GREASE ASM 28-20-34 **(SUSP 10-11 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) (SUSP 1-9) (INCLUDED WITH ITEM 12, 229177)**	2
14	233683	HOSE ASSY GREASE 1/8" X 28" **(PORTS 1 & 2) (SUSP 10-11) (INCLUDED WITH ITEM 12, 233671)**	2
15	229178	HOSE ASSY GREASE 1/8" X 16" **(PORTS 3 & 4) (SUSP 1-9) (INCLUDED WITH ITEM 12, 229177)**	2
15	225698	HOSE ASSY GREASE 1/8" X 20" **(PORTS 3 & 4) (SUSP 10-11) (INCLUDED WITH ITEM 12, 233671)**	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
16	229182	HOSE ASSY GREASE 1/8" X 28" **(PORTS 5 & 6) (SUSP 1-9) (INCLUDED WITH ITEM 12, 229177)**	2
16	233670	HOSE ASSY GREASE 1/8" X 34" **(PORTS 5 & 6) (SUSP 10-11) (INCLUDED WITH ITEM 12, 233671)**	2
17	202114	HOSE ASSY GREASE 1/8 X 133 **(SUSP 1, 3-5, 7-8, 10-11) (INCLUDES ITEM 10, 1 EACH)**	1
17	202117	HOSE ASSY GREASE 1/8 X 150 **(SUSP 2, 6, 9) (INCLUDES ITEM 10, 1 EACH)**	1
18	202122	HOSE ASSY GREASE 1/8 X 180 **(SUSP 1, 3-5, 7-8, 10-11) (INCLUDES ITEM 10, 1 EACH)**	1
18	204223	HOSE ASSY GREASE 1/8 X 200 **(SUSP 2, 6, 9) (INCLUDES ITEM 10, 1 EACH)**	1
19	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
20	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE LB) (NOT SHOWN)**	- -

Table provided for general use.

NOTES:

2 Axle, Drum Brakes (After 09/01/2024)



NOTE:
ITEMS 1-17 QUANTITIES ARE PER AXLE.

NOT SHOWN:
21 - TIE, STRAP, PLASTIC

Figure 10-9: 2 Axle, Drum Brakes (After 09/01/2024) (1 of 3)

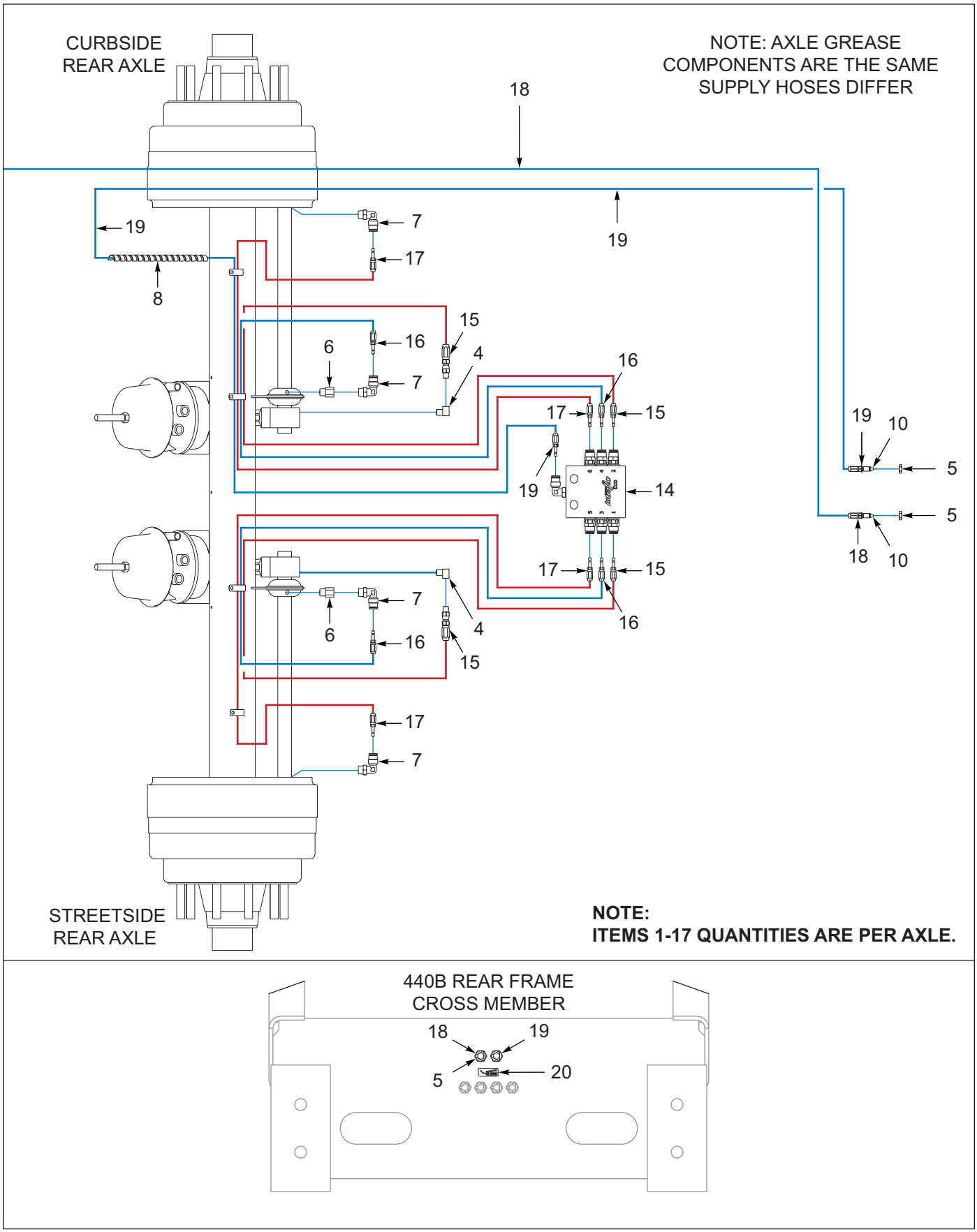


Figure 10-10: 2 Axle, Drum Brakes (After 09/01/2024) (2 of 3)

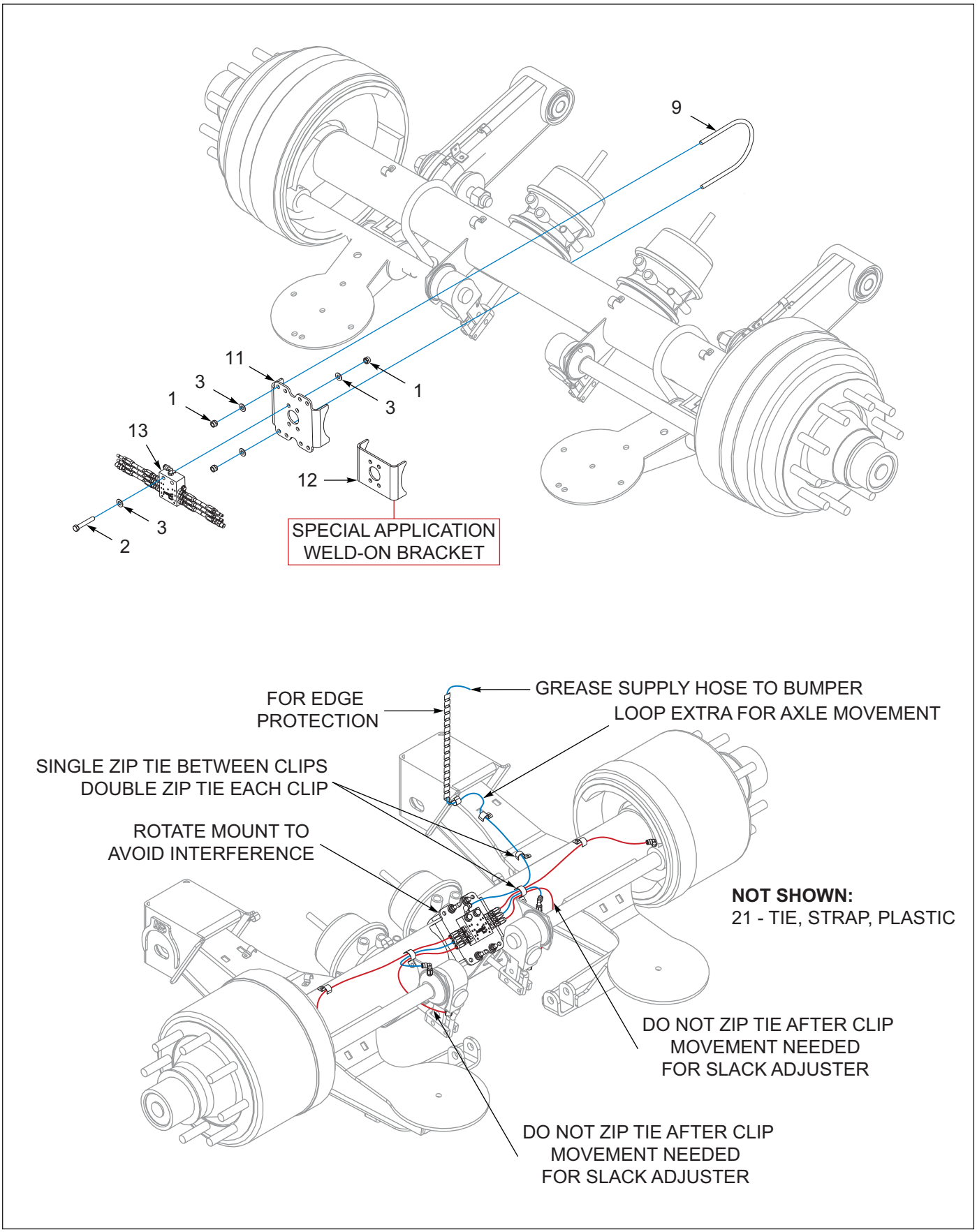


Figure 10-11: 2 Axle, Drum Brakes (After 09/01/2024) (3 of 3)

2 Axle, Drum Brakes (After 09/01/2024)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	249027	SUSP 440B 102 SB HLDX **(SUSP 1 - 102 SB)**	- -
	249028	SUSP 440B 108 SB HLDX **(SUSP 2 - 108 SB)**	- -
	249029	SUSP 440B 108 BB HLDX **(SUSP 3 - 108 BB)**	- -
	249030	SUSP 440B-CA 102 SB HLDX **(SUSP 4 - 102-CA SB)**	- -
	249031	SUSP 440B-CA 102 BB HLDX **(SUSP 5 - 102-CA BB)**	- -
	249032	SUSP 440B 102 BB HLDX **(SUSP 6 - 102 BB)**	- -
	249033	SUSP 440B 41' 102 BB HLDX **(SUSP 7 - 102-41 BB)**	- -
	249034	SUSP 440B-CA 108 SB HLDX **(SUSP 8 - 108-CA SB)**	- -
	249036	SUSP 440B 120 SB HLDX **(SUSP 9 - 120 SB)**	- -
	249037	SUSP 440B 120 BB HLDX **(SUSP 10 - 120 BB)**	- -
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(SUSP 1-4, 8-10 REQ 6) (SUSP 5-7, REQ 4)**	- -
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 **(SUSP 1-4, 8-10, REQ 8) (SUSP 5-7, REQ 4)**	- -
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 **(SUSP 1-4, 8 ONLY) (USED WITH ITEM 11)**	2
10	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEMS 18-19, INCLUDES 1 EACH)**	1
11	224325	MOUNT BOLT-ON AXLE GREASE VLV **(SUSP 1-4, 8-10 ONLY)**	1
12	233622	MOUNT WELD-ON AXLE GREASE VLV **(SUSP 5-7 ONLY)**	1
13	229177	VALVE AXLE GREASE ASM 22-16-28 **(SUSP 1-8 KIT INCLUDES ITEMS 14-17)**	1
13	233671	VALVE AXLE GREASE ASM 28-20-34 **(SUSP 9-10 KIT INCLUDES ITEMS 14-17)**	1
14	224304	VALVE AXLE GREASE DIVIDER **(NON-REPAIRABLE, INCLUDES ALL FITTINGS, FITTINGS NOT SOLD SEPARATELY) (INCLUDED WITH ITEM 13)**	1
15	225770	HOSE ASSY GREAST 1/8" X 22" **(PORTS 1 & 2) (SUSP 1-8) (INCLUDED WITH ITEM 13, 229177)**	2
15	233683	HOSE ASSY GREASE 1/8" X 28" **(PORTS 1 & 2) (SUSP 9-10) (INCLUDED WITH ITEM 13, 233671)**	2
16	229178	HOSE ASSY GREASE 1/8" X 16" **(PORTS 3 & 4) (SUSP 1-8) (INCLUDED WITH ITEM 13, 229177)**	2
16	233670	HOSE ASSY GREASE 1/8" X 34" **(PORTS 5 & 6) (SUSP 9-10) (INCLUDED WITH ITEM 13, 233671)**	2
17	229182	HOSE ASSY GREASE 1/8" X 28" **(PORTS 5 & 6) (SUSP 1-8) (INCLUDED WITH ITEM 13, 229177)**	2
17	233670	HOSE ASSY GREASE 1/8" X 34" **(PORTS 5 & 6) (SUSP 9-10) (INCLUDED WITH ITEM 13, 233671)**	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
18	202122	HOSE ASSY GREASE 1/8 X 180 **(SUSP 1-3, 6-7, 9-10) (INCLUDES ITEM 10, 1 EACH)**	1
18	204223	HOSE ASSY GREASE 1/8 X 200 **(SUSP 4-5, 8) (INCLUDES ITEM 10, 1 EACH)**	1
19	202114	HOSE ASSY GREASE 1/8 X 133 **(SUSP 1-3, 6-7, 9-10) (INCLUDES ITEM 10, 1 EACH)**	1
19	202117	HOSE ASSY GREASE 1/8 X 150 **(SUSP 4-5, 8) (INCLUDES ITEM 10, 1 EACH)**	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)**	- -

Table provided for general use.

NOTES:

2 Axle Spread, Drum Brakes (Option)

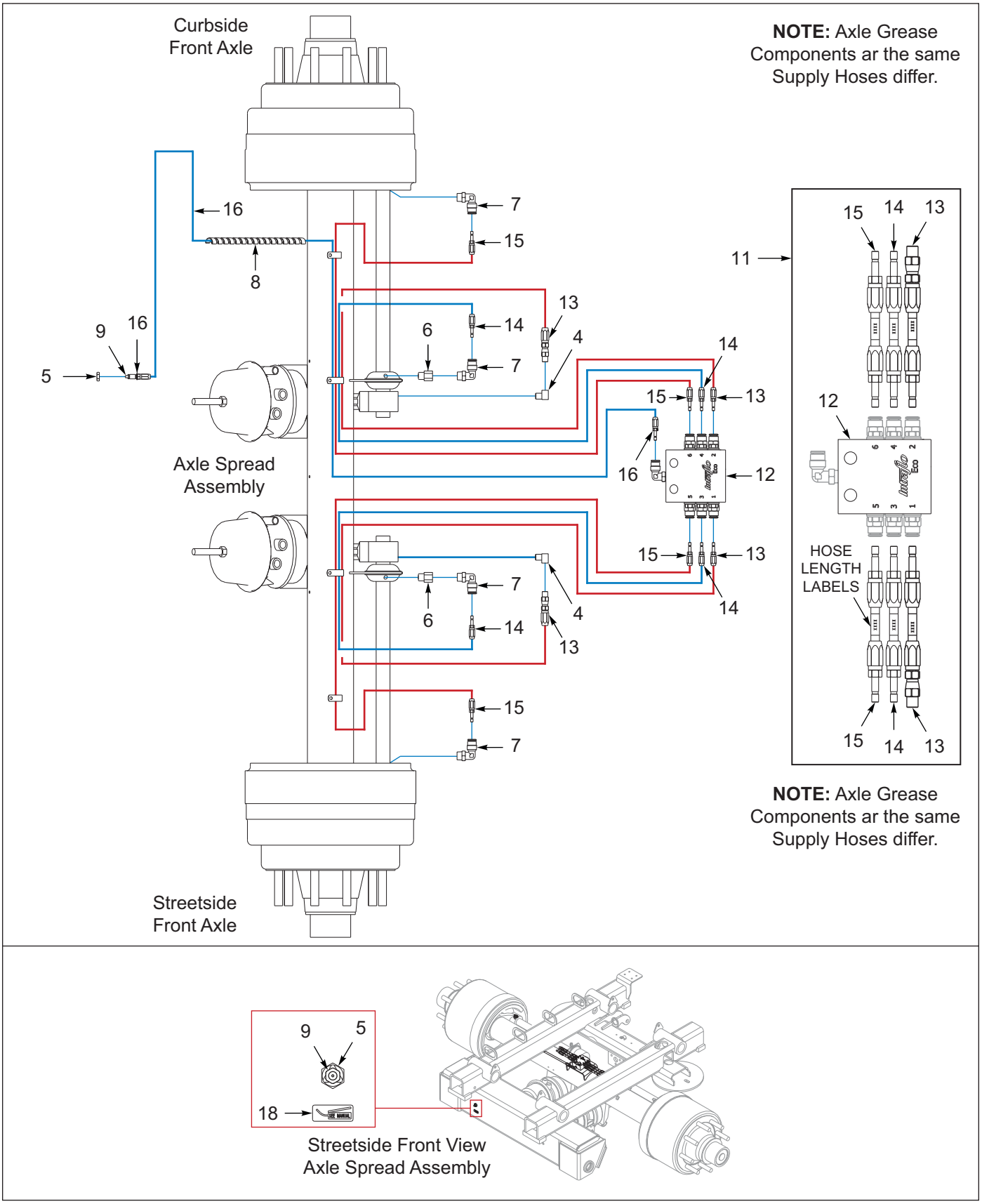
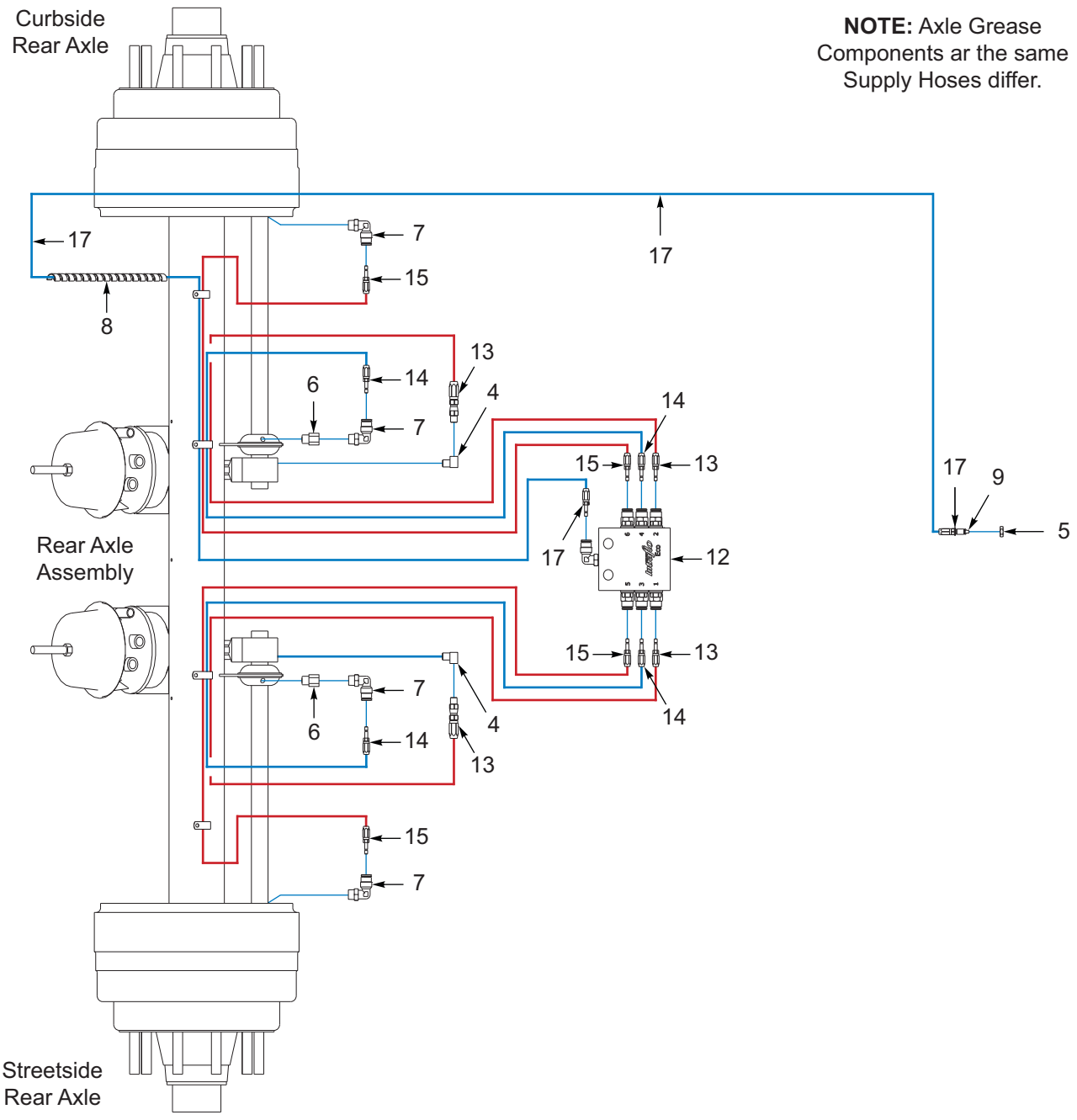


Figure 10-12: 2 Axle Spread, Drum Brakes (Option) (1 of 3)



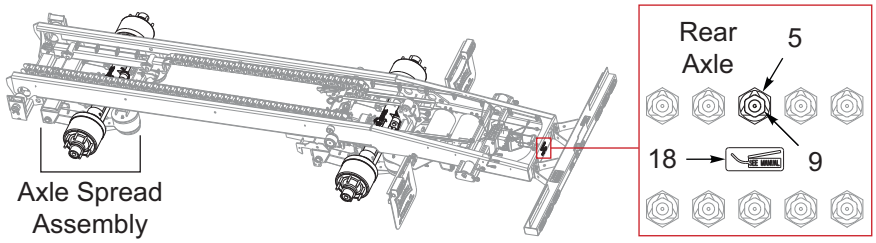
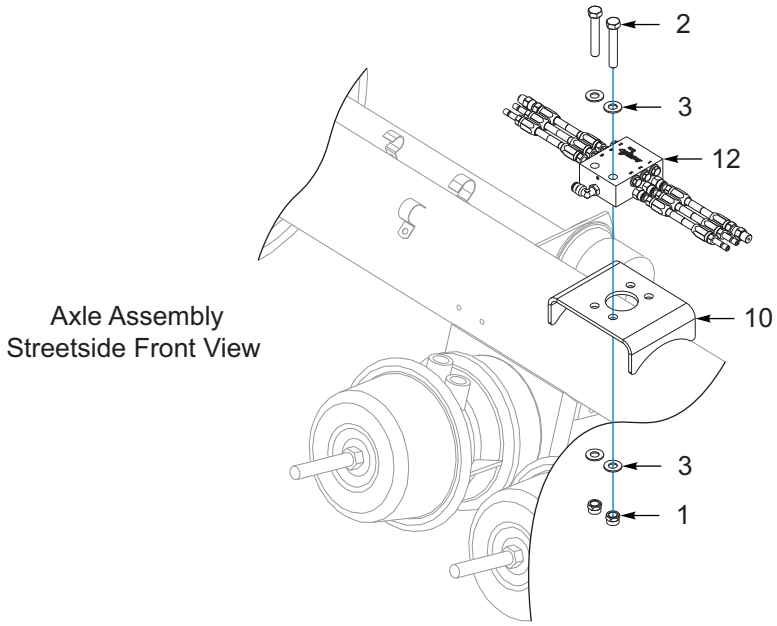


Figure 10-13: 2 Axle Spread, Drum Brakes (Option) (2 of 3)



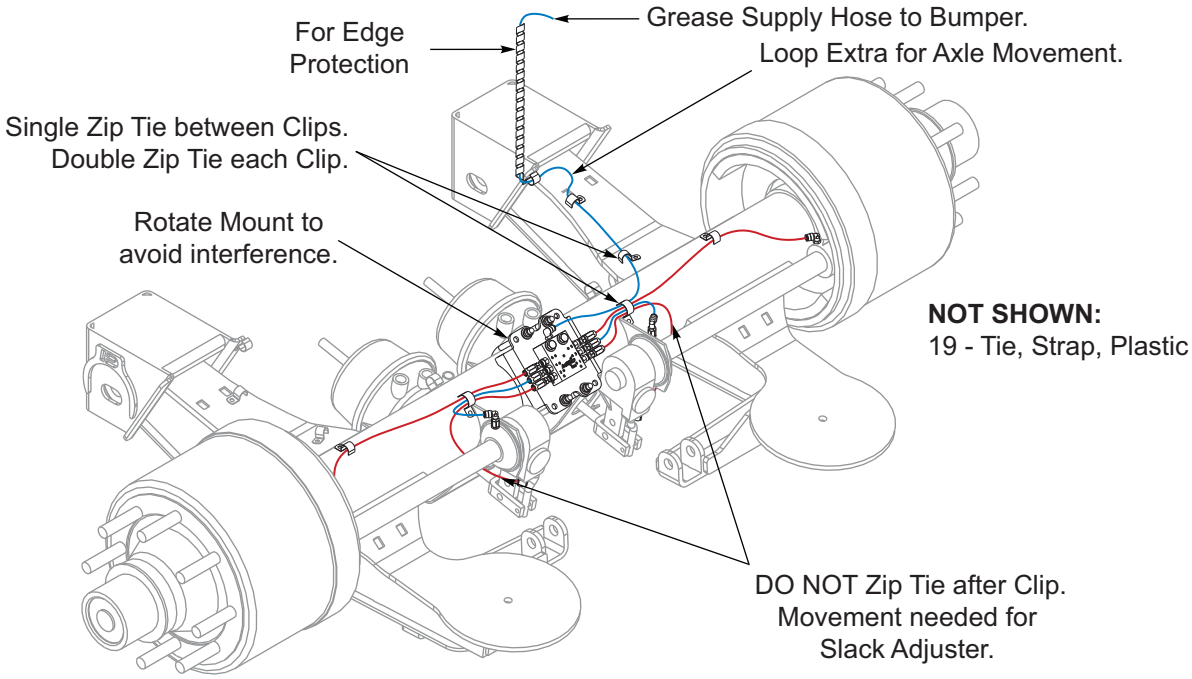


Figure 10-14: 2 Axle Spread, Drum Brakes (Option) (3 of 3)

2 Axle Spread, Drum Brakes (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252523	SUSP 440 SLDR 50-121 HLDX	- -
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(PER AXLE)**	2
2	1-654-010051-10	SCREW,HX CP3/8-16X2-1/4 GR5 **(PER AXLE)**	2
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD **(PER AXLE)**	4
4	101528	ELBOW,BRASS PIPE STREET **(PER AXLE)**	2
5	142545	NUT 7/16 FOR BULKHEAD **(PER AXLE)**	1
6	202094	ADAPTER 5/16--18X1/8NPT(F) **(PER AXLE)**	2
7	202099	FITTING GREASE 90 SWIV PTC 1/8 **(PER AXLE)**	4
8	212785	SPIRAL LOOM, 1/2" BLACK **(BY THE FOOT) (PER AXLE)**	1
9	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEMS 16-17, INCLUDES 1 EACH)**	1
10	233622	MOUNT WELD-ON AXLE GREASE VLV **(PER AXLE)**	1
11	229177	VALVE AXLE GREASE ASM 22-16-28 **(PER AXLE) (KIT INCLUDES ITEMS 12-15)**	1
12	224304	VALVE AXLE GREASE DIVIDER **(INCLUDED WITH ITEM 11) (NON-REPAIRABLE, INCLUDES ALL FITTINGS, FITTINGS NOT SOLD SEPARATELY)**	1
13	225770	HOSE ASSY GREAST 1/8" X 22" **(PORTS 1 & 2) (INCLUDED WITH ITEM 11)**	2
14	229178	HOSE ASSY GREASE 1/8" X 16" **(PORTS 3 & 4) (INCLUDED WITH ITEM 11)**	2
15	229182	HOSE ASSY GREASE 1/8" X 28" **(PORTS 5 & 6) (INCLUDED WITH ITEM 11)**	2
16	202103	HOSE ASSY GREASE 1/8 X 45 **(INCLUDES ITEM 9, 1 EACH)**	1
17	202116	HOSE ASSY GREASE 1/8 X 144 **(INCLUDES ITEM 9, 1 EACH)**	1
18	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	2
19	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE LB) (NOT SHOWN)**	- -

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

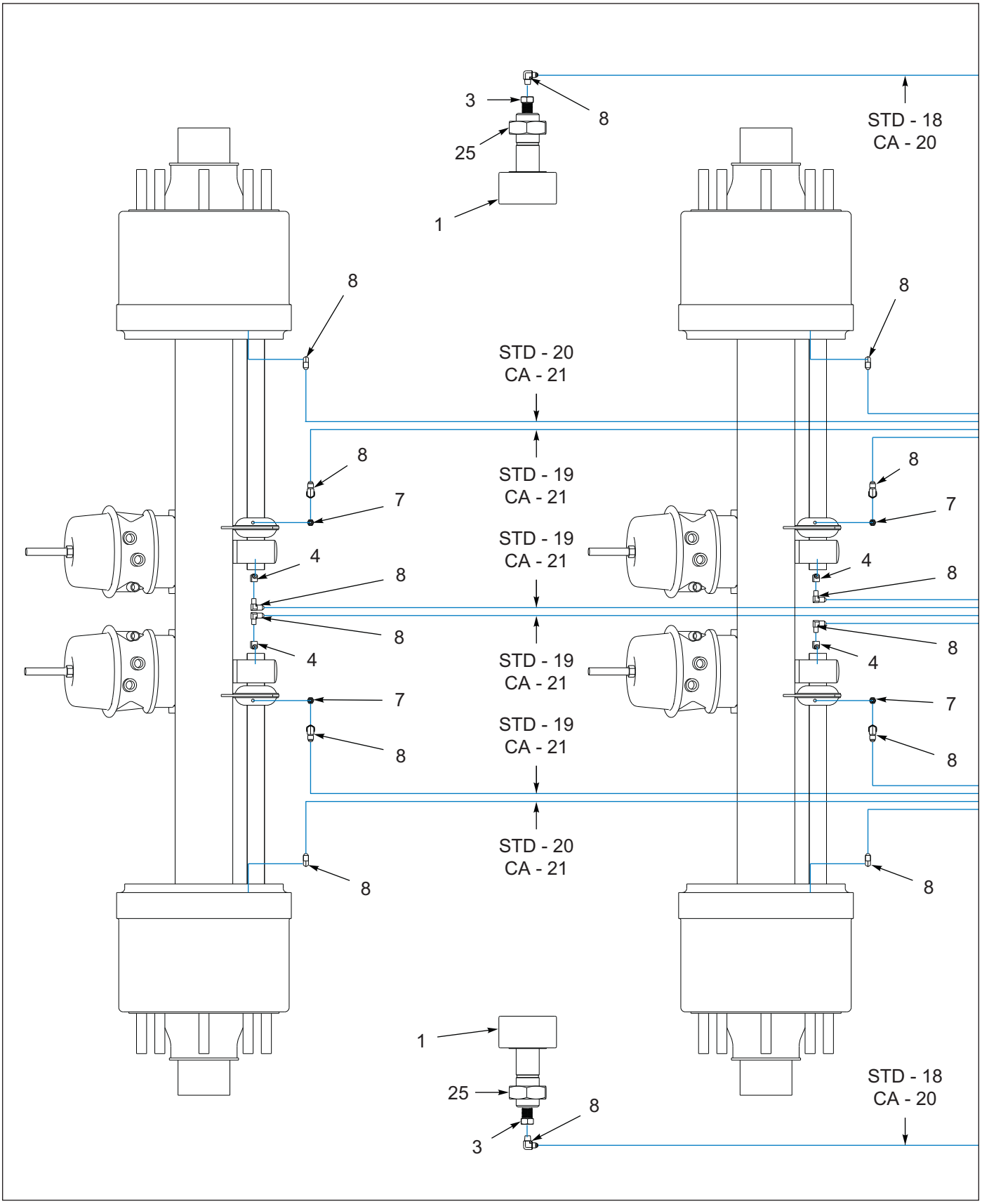


Figure 10-15: 3 Axle, Cam Followers, Drum Brakes (Before 11/07/2018) (1 of 2)

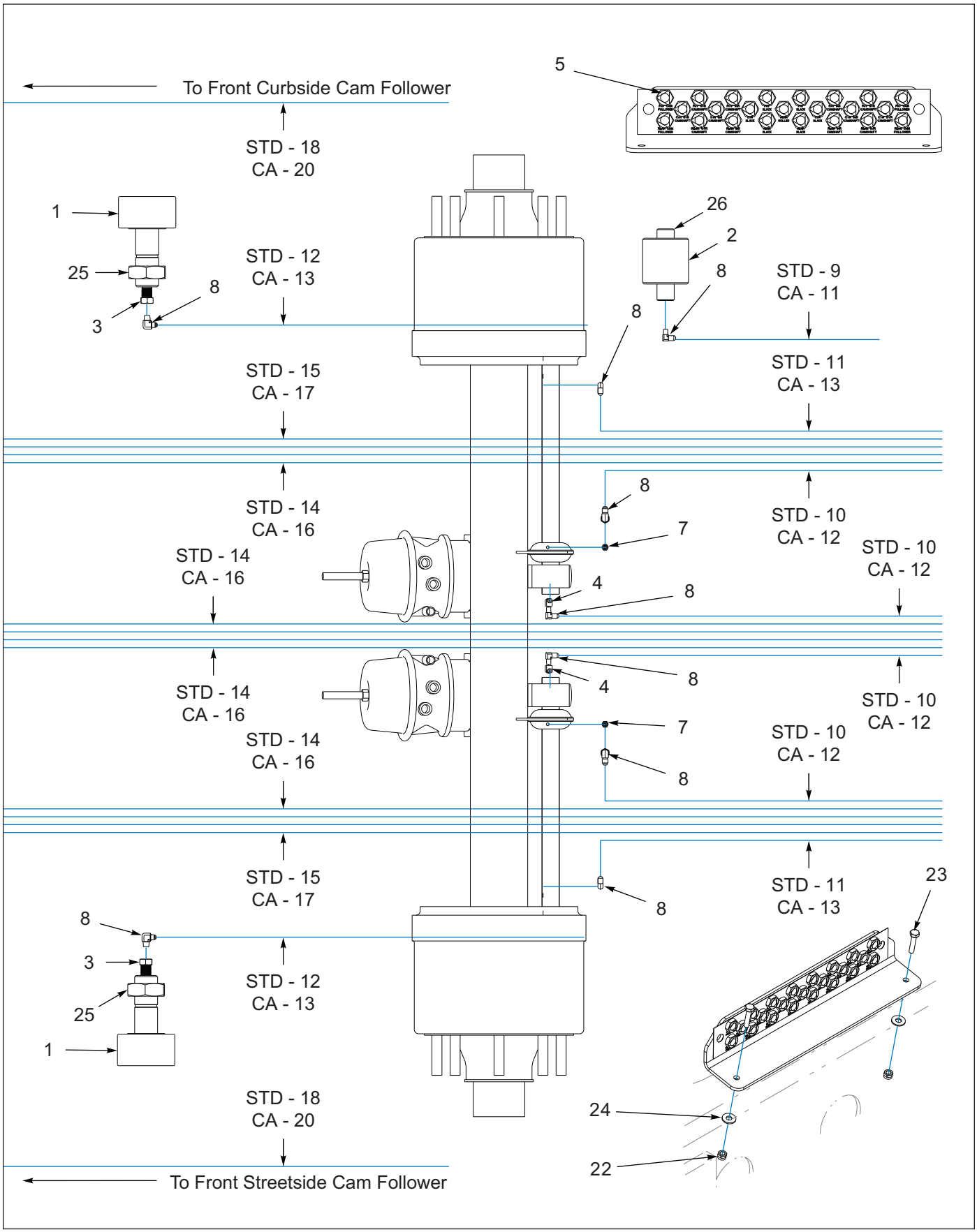


Figure 10-16: 3 Axle, Cam Followers, Drum Brakes (Before 11/07/2018) (2 of 2)

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

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB **(STD)**	- -
	214477	SUSP 455B-CA-102 **(CA)**	- -
1	3-076-010015	5IN DIA CAM FOLLOWER	4
2	3-645-010084	ROLLER ASSY,REAR U/C 660FG	1
3	118-2659-1	BUSHING 1/4 X 1/8 NPT STL	4
4	101528	ELBOW,BRASS PIPE STREET	6
5	142545	NUT 7/16 FOR BULKHEAD	23
6	143688	DECAL, GREASE 410/610 U/C	1
7	202094	ADAPTER 5/16- -18X1/8NPT(F)	6
8	202099	FITTING GREASE 90 SWIV PTC 1/8	23
9	202103	HOSE ASSY GREASE 1/8 X 45 **(STD ONLY)**	1
10	202104	HOSE ASSY GREASE 1/8 X 60 **(STD ONLY)**	4
11	202106	HOSE ASSY GREASE 1/8 X 72 **(STD REQ 2 EACH) (CA REQ 1 EACH)**	2
12	202107	HOSE ASSY GREASE 1/8 X 83 **(STD REQ 2 EACH) (CA REQ 4 EACH)**	2
13	202111	HOSE ASSY GREASE 1/8 X 102 **(CA ONLY)**	4
14	202112	HOSE ASSY GREASE 1/8 X 118 **(STD ONLY)**	4
15	202113	HOSE ASSY GREASE 1/8 X 126 **(STD ONLY)**	2
16	202116	HOSE ASSY GREASE 1/8 X 144 **(CA ONLY)**	4
17	202118	HOSE ASSY GREASE 1/8 X 156 **(CA ONLY)**	2
18	202121	HOSE ASSY GREASE 1/8 X 172 **(STD ONLY)**	2
19	202123	HOSE ASSY GREASE 1/8 X 186 **(STD ONLY)**	4
20	204223	HOSE ASSY GREASE 1/8 X 200 **(STD, CA)**	2
21	204224	HOSE ASSY GREASE 1/8 X 217 **(CA ONLY)**	6
22	1-512-010005-01	NUT HEX SLFLKG, 1/4-20 GRADE B	2
23	1-654-010047-07	SCREW, HEX CAP 1/2-20X1-1/4 GRB	2
24	1-861-010032-07	WASHER, FLAT, ZP/CD 1/4W	2
25	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-17)**	4
26	121686	PIN 1-1/2X6-1/4 **(INSTALLATION - SEE PAGE 2-17)**	1

Table provided for general use.

NOTES:

3 Axle, Cam Followers, Drum Brakes (11/07/2018 To 08/31/2020)

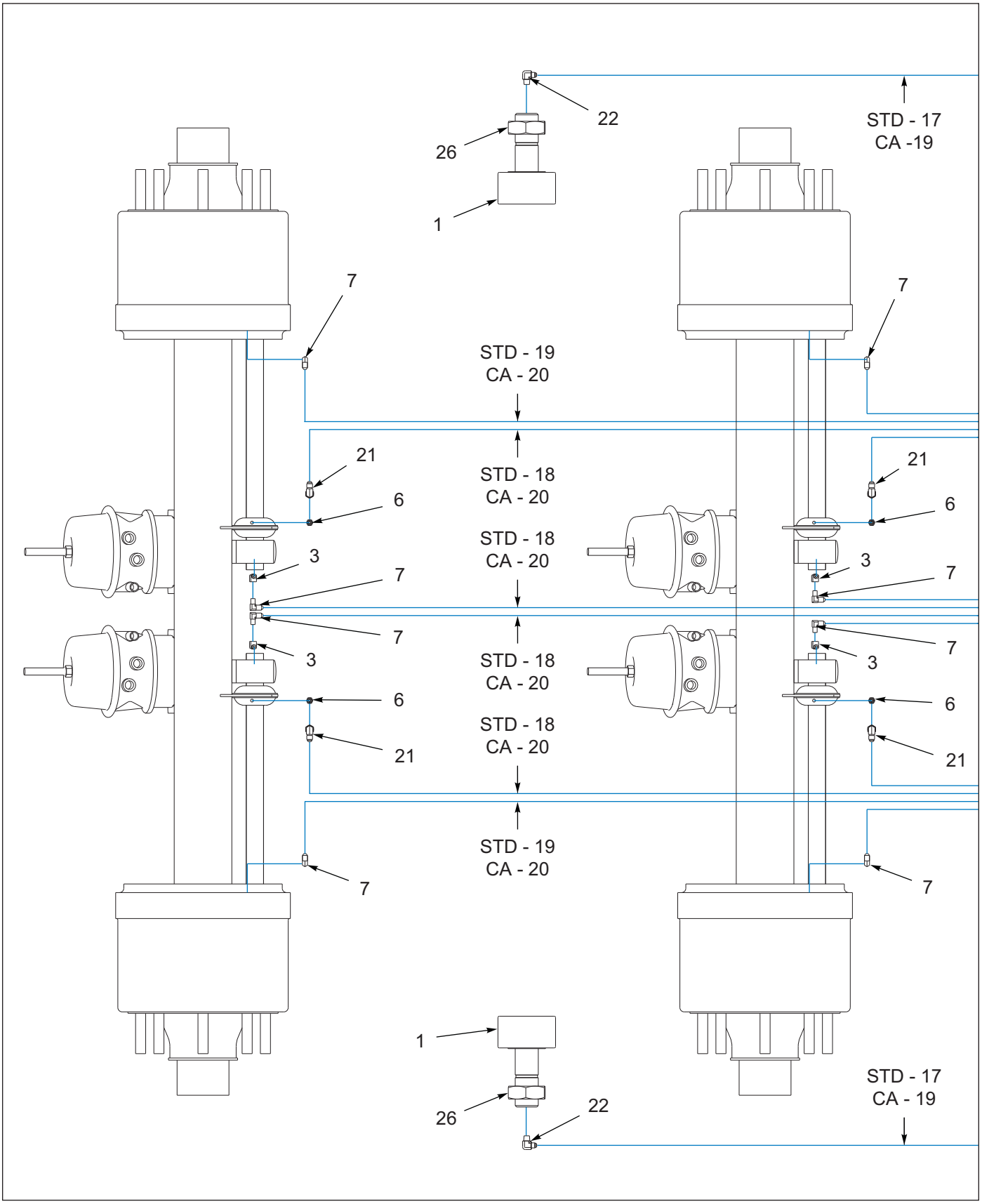


Figure 10-17: 3 Axle, Cam Followers, Drum Brakes (11/07/2018 To 08/31/2020) (1 of 2)

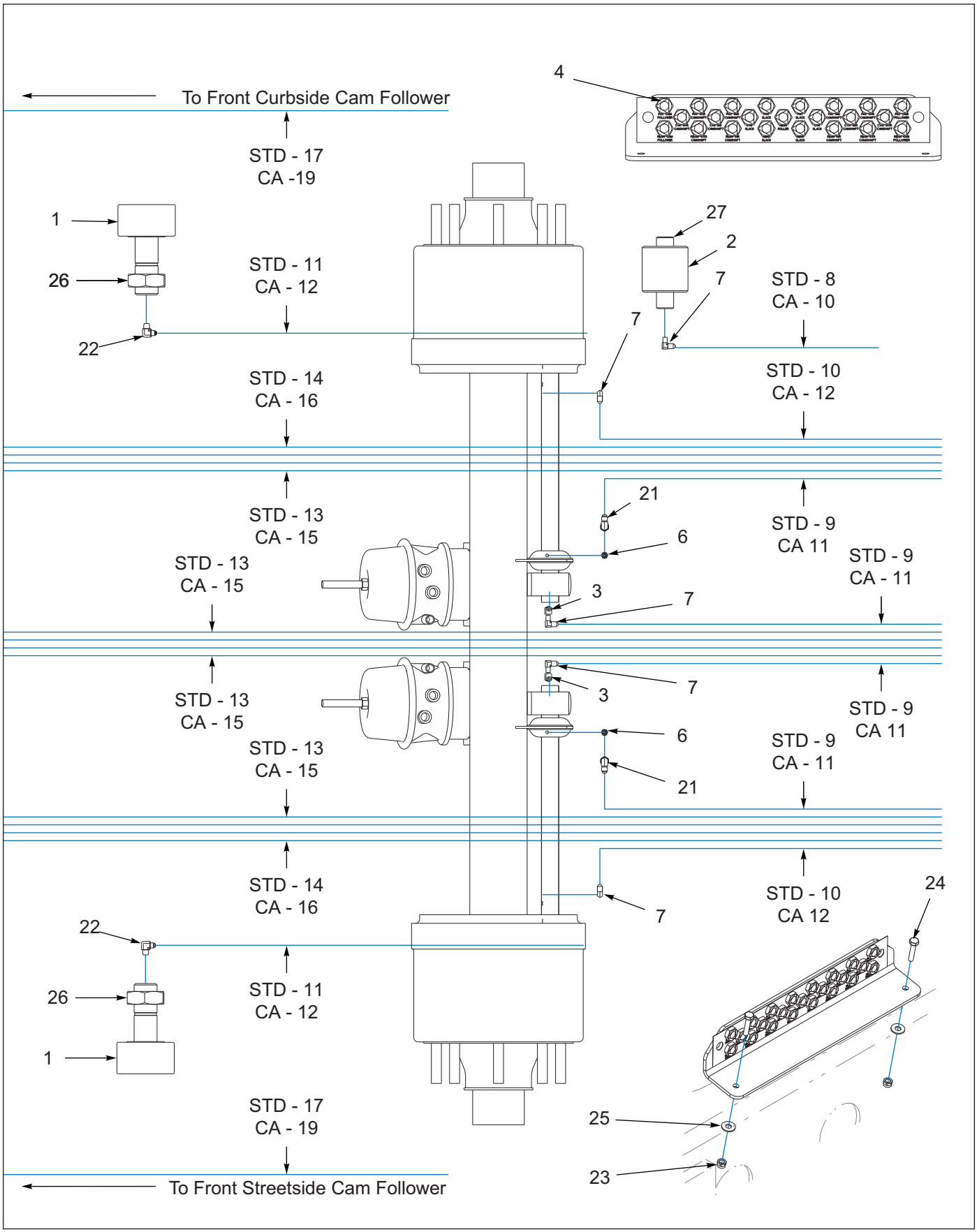


Figure 10-18: 3 Axle, Cam Followers, Drum Brakes (11/07/2018 To 08/31/2020) (2 of 2)

3 Axle, Cam Followers, Drum Brakes (11/07/2018 To 08/31/2020)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB **(STD)**	- -
	214477	SUSP 455B-CA-102 **(CA)**	- -
1	3-076-010015	5IN DIA CAM FOLLOWER	4
2	3-645-010084	ROLLER ASSY,REAR U/C 660FG	1
3	101528	ELBOW,BRASS PIPE STREET	6
4	142545	NUT 7/16 FOR BULKHEAD	23
5	143688	DECAL, GREASE 410/610 U/C **(NOT SHOWN)**	1
6	202094	ADAPTER 5/16- -18X1/8NPT(F)	6
7	202099	FITTING GREASE 90 SWIV PTC 1/8	13
8	202103	HOSE ASSY GREASE 1/8 X 45 **(STD ONLY)**	1
9	202104	HOSE ASSY GREASE 1/8 X 60 **(STD ONLY)**	4
10	202106	HOSE ASSY GREASE 1/8 X 72 **(STD REQ 2 EAC) (CA REQ 1 EACH)**	2
11	202107	HOSE ASSY GREASE 1/8 X 83 **(STD REQ 2 EACH (CA REQ 4 EACH)**	2
12	202111	HOSE ASSY GREASE 1/8 X 102 **(CA ONLY)**	4
13	202112	HOSE ASSY GREASE 1/8 X 118 **(STD ONLY)**	4
14	202113	HOSE ASSY GREASE 1/8 X 126 **(STD ONLY)**	2
15	202116	HOSE ASSY GREASE 1/8 X 144 **(CA ONLY)**	4
16	202118	HOSE ASSY GREASE 1/8 X 156 **(CA ONLY)**	2
17	202121	HOSE ASSY GREASE 1/8 X 172 **(STD ONLY)**	2
18	202123	HOSE ASSY GREASE 1/8 X 186 **(STD ONLY)**	4
19	204223	HOSE ASSY GREASE 1/8 X 200 **(STD, CA)**	2
20	204224	HOSE ASSY GREASE 1/8 X 217 **(CA ONLY)**	6
21	216600	FITTING GREAST 90SWIV P-T-C1/4	4
22	216599	FITTING,GREASE 1/4 TUBE X 1/8	4
23	1-512-010005-01	NUT HEX SLFLKG, 1/4-20 GRADE B	2
24	1-654-010047-07	SCREW, HEX CAP 1/2-20X1-1/4 GRB	2
25	1-861-010032-07	WASHER, FLAT, ZP/CD 1/4W	2
26	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-17)**	4
27	121686	PIN 1-1/2X6-1/4 **(INSTALLATION - SEE PAGE 2-17)**	1

Table provided for general use.

NOTES:

3 Axle, Cam Followers, Drum Brakes (08/31/2020 To 12/01/2025)

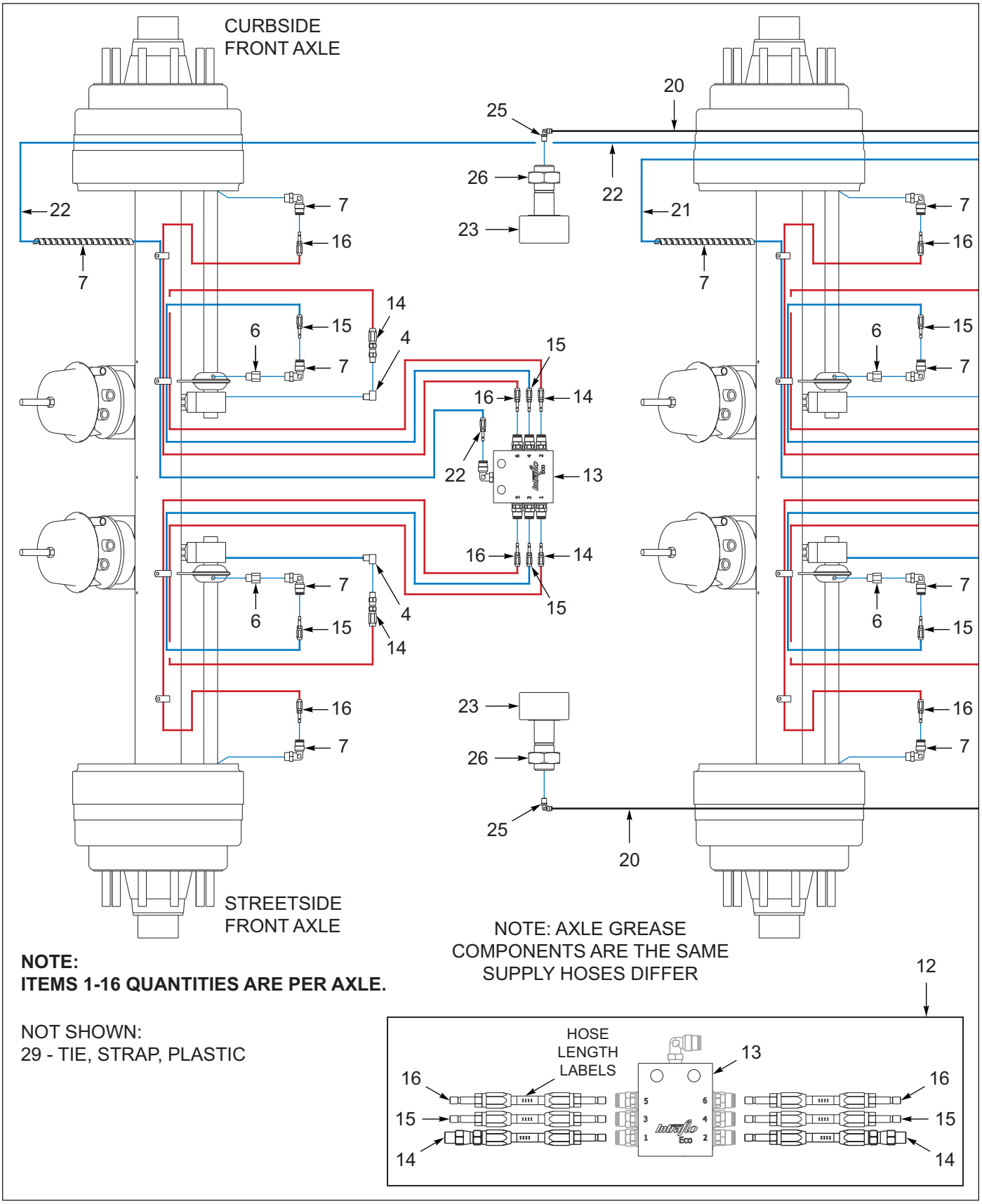


Figure 10-19: 3 Axle, Cam Followers, Drum Brakes (08/31/2020 To 12/01/2025) (1 of 3)

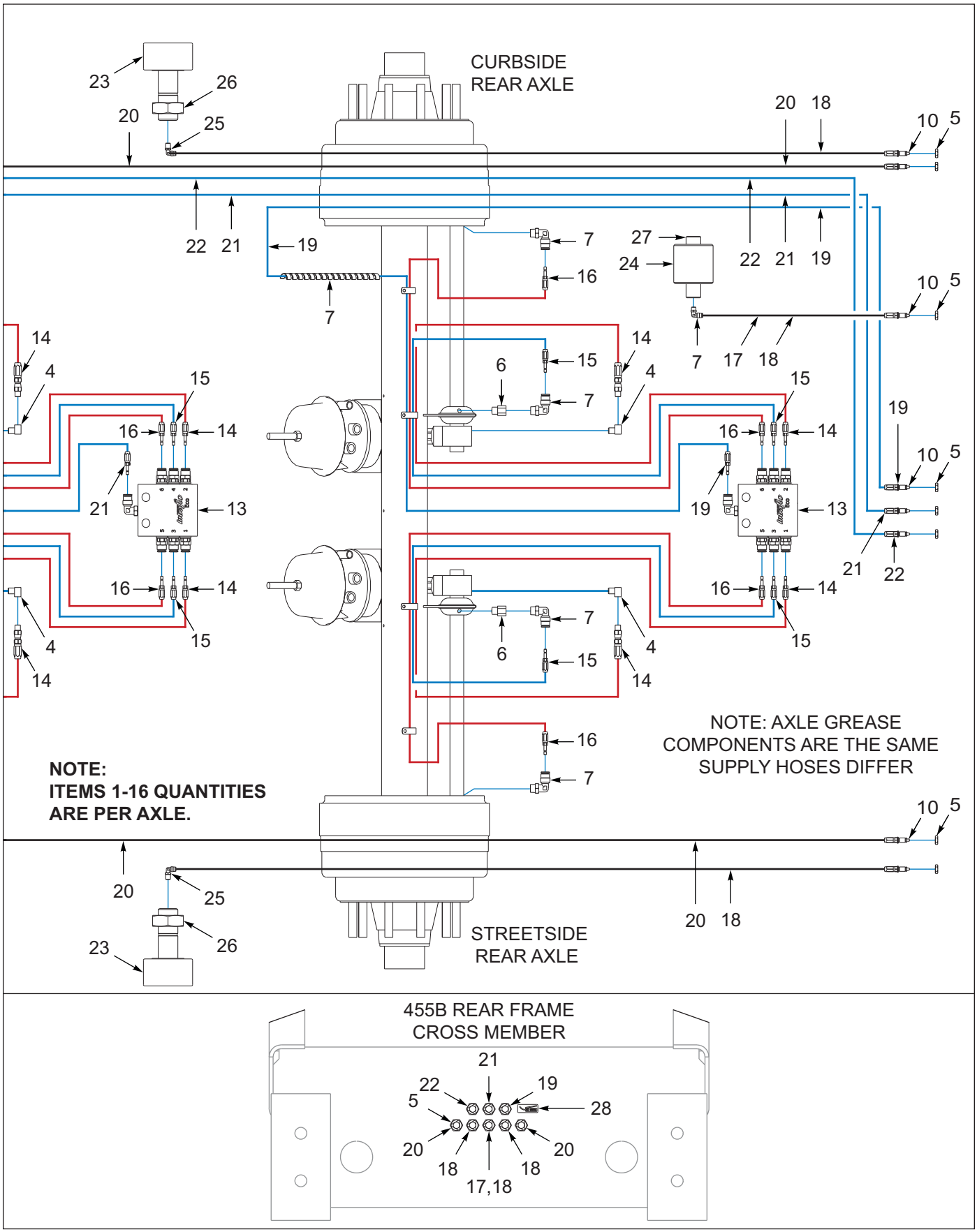
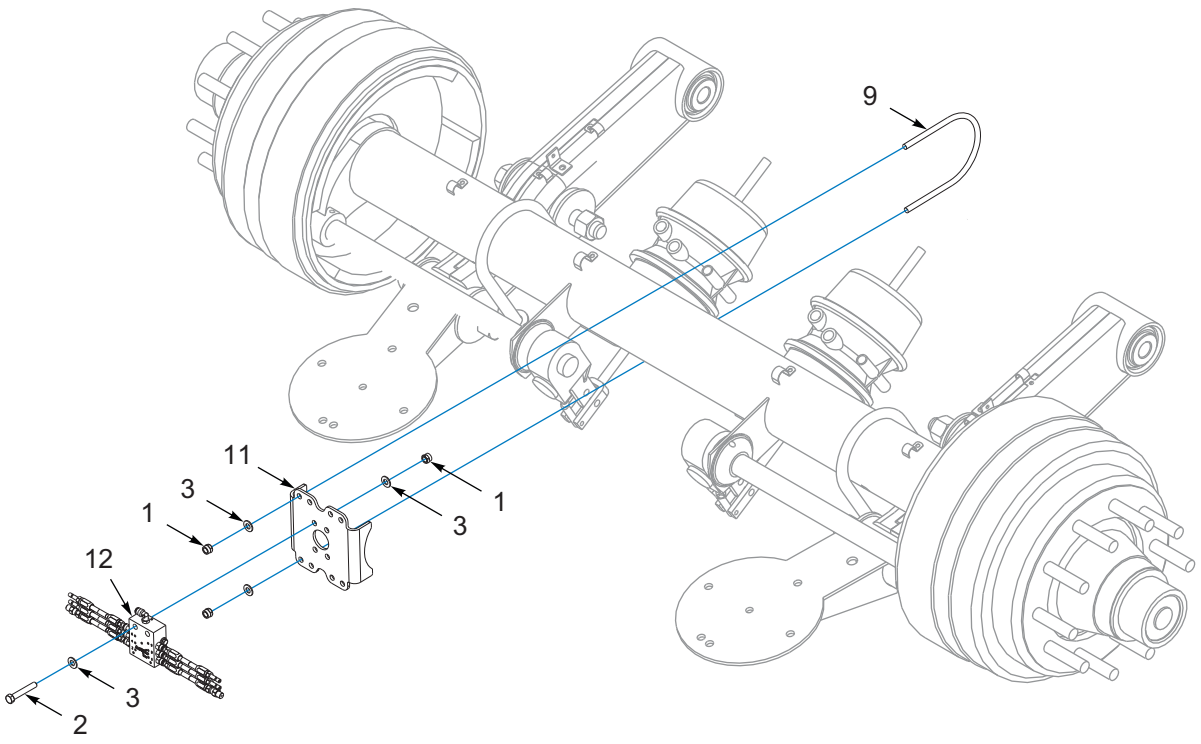
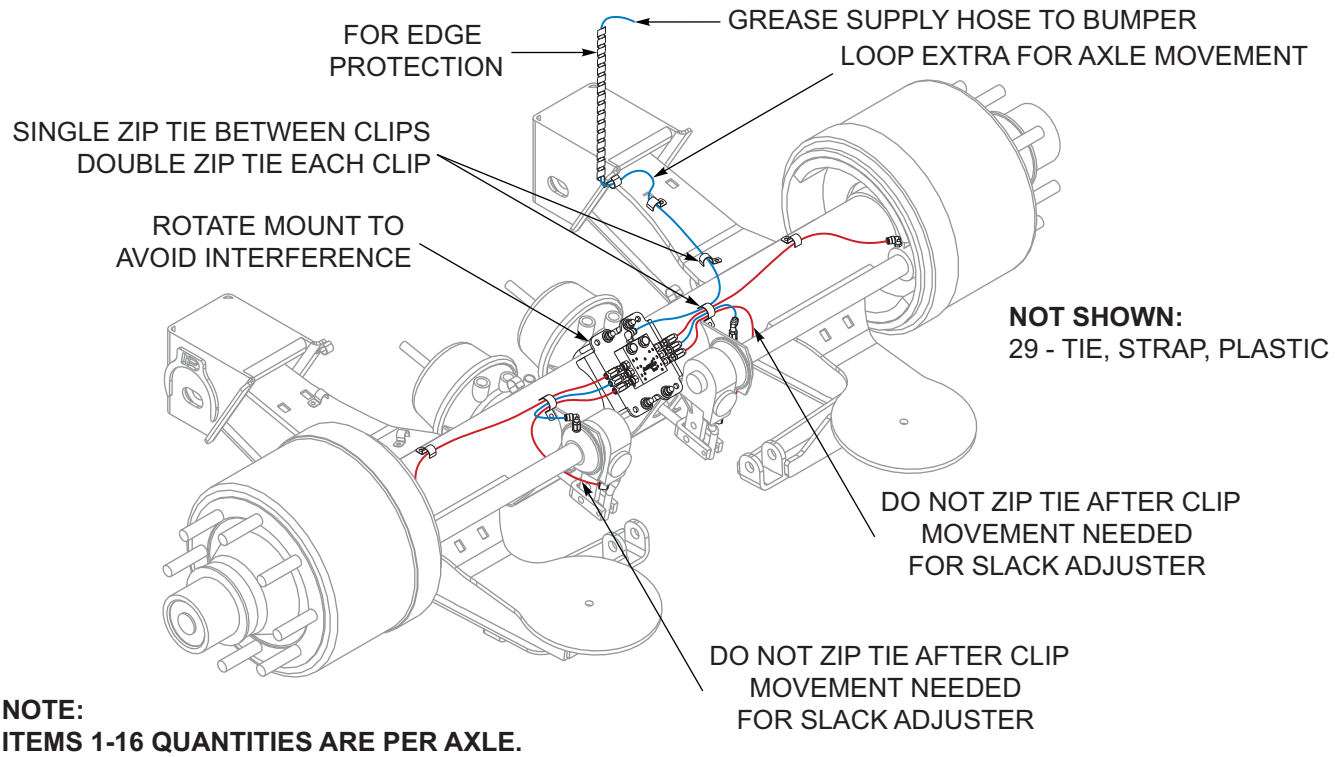


Figure 10-20: 3 Axle, Cam Followers, Drum Brakes (08/31/2020 To 12/01/2025) (2 of 3)





NOTE:
ITEMS 1-16 QUANTITIES ARE PER AXLE.

Figure 10-21: 3 Axle, Cam Followers, Drum Brakes (08/31/2020 To 12/01/2025) (3 of 3)

3 Axle, Cam Followers, Drum Brakes (08/31/2020 To 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	214468	SUSP 455B-102 SB **(STD)**	- -
	214477	SUSP 455B-CA-102 **(CA)**	- -
	215213	SUSP ASSY 455B-120BB 87 TRK **(120)**	- -
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	8
6	202094	ADAPTER 5/16- -18X1/8NPT(F)	2
7	202099	FITTING GREASE 90 SWIV PTC 1/8 **(ONE AXLE REQ 4 EACH) (REAR ROLLER REQ 1 EACH)**	- -
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 17-22)**	1
11	224325	MOUNT BOLT-ON AXLE GREASE VLV	1
12	229177	VALVE AXLE GREASE ASM 22-16-28 **(STD & CA)** **(KIT INCLUDES ITEMS 13-16)**	1
12	233671	VALVE AXLE GREASE ASM 28-20-34 **(120 ONLY)** **(KIT INCLUDES ITEMS 13-16)**	1
13	224304	VALVE AXLE GREASE DIVIDER **(NON-REPAIRABLE, INCLUDES** **ALL FITTINGS, FITTINGS NOT SOLD SEPARATELY)** **(INCLUDED WITH ITEMS 12, 229177, 233671)**	1
14	225770	HOSE ASSY GREAST 1/8" X 22" **(PORTS 1 & 2) (STD & CA)** **(INCLUDED WITH ITEM 12, 229177)**	2
14	233683	HOSE ASSY GREASE 1/8" X 28" **(PORTS 1 & 2) (120 ONLY)** **(INCLUDED WITH ITEM 12, 233671)**	2
15	229178	HOSE ASSY GREASE 1/8" X 16" **(PORTS 3 & 4) (STD & CA)** **(INCLUDED WITH ITEM 12, 229177)**	2
15	225698	HOSE ASSY GREASE 1/8" X 20" **(PORTS 3 & 4) (120 ONLY)** **(INCLUDED WITH ITEM 12, 233671)**	2
16	229182	HOSE ASSY GREASE 1/8" X 28" **(PORTS 5 & 6) (STD & CA)** **(INCLUDED WITH ITEM 12, 229177)**	2
16	233670	HOSE ASSY GREASE 1/8" X 34" **(PORTS 5 & 6) (120 ONLY)** **(INCLUDED WITH ITEM 12, 233671)**	2
17	202104	HOSE ASSY GREASE 1/8 X 60 **(STD & CA REAR ROLLER)** **(INCLUDES ITEM 10, 1 EACH)**	1
17	202106	HOSE ASSY GREASE 1/8 X 72 **(120 REAR ROLLER)** **(INCLUDES ITEM 10, 1 EACH)**	1
18	202107	HOSE ASSY GREASE 1/8 X 83 **(STD & 120 REAR CAM FOLLOWERS, REQ 2 EACH)** **(CA REAR ROLLER, REQ 1 EACH)** **(INCLUDES ITEM 10, 1 EACH)**	- -
18	202112	HOSE ASSY GREASE 1/8 X 118 **(CA ONLY, REAR CAM FOLLOWERS)** **(INCLUDES ITEM 10, 1 EACH)**	2
19	202113	HOSE ASSY GREASE 1/8 X 126 **(STD & 120 REAR AXLE)** **(INCLUDES ITEM 10, 1 EACH)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
19	202116	HOSE ASSY GREASE 1/8 X 144 **(CA REAR AXLE) (INCLUDES ITEM 10, 1 EACH)**	1
20	202121	HOSE ASSY GREASE 1/8 X 172 **(STD & 120 FRONT CAM FOLLOWERS) (INCLUDES ITEM 10, 1 EACH)**	2
20	204223	HOSE ASSY GREASE 1/8 X 200 **(CA FRONT CAM FOLLOWERS) (INCLUDES ITEM 10, 1 EACH)**	2
21	202122	HOSE ASSY GREASE 1/8 X 180 **(STD MIDDLE AXLE) (INCLUDES ITEM 10, 1 EACH)**	1
21	229181	HOSE ASSY GREAST 1/8 X 210 **(CA MIDDLE AXLE) (INCLUDES ITEM 10, 1 EACH**)	1
21	202123	HOSE ASSY GREASE 1/8 X 186 **(120 MIDDLE AXLE) (INCLUDES ITEM 10, 1 EACH)**	1
22	230759	HOSE ASSY GREAST 1/8 X 240 **(STD FRONT AXLE) (INCLUDES ITEM 10, 1 EACH)**	1
22	204226	HOSE ASSY GREASE 1/8 X 260 **(CA & 120 FRONT AXLE) (INCLUDES ITEM 10, 1 EACH)**	1
23	3-076-010015	5IN DIA CAM FOLLOWER	4
24	3-645-010084	ROLLER ASSY,REAR U/C 660FG	1
25	216600	FITTING GREAST 90SWIV P-T-C1/4	4
26	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-17)**	4
27	121686	PIN 1-1/2X6-1/4 **(INSTALLATION - SEE PAGE 2-17)**	1
28	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
29	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE LB) (NOT SHOWN)**	- -

Table provided for general use.

NOTES:

3 Axle, Cam Followers, Roller (After 12/01/2025)

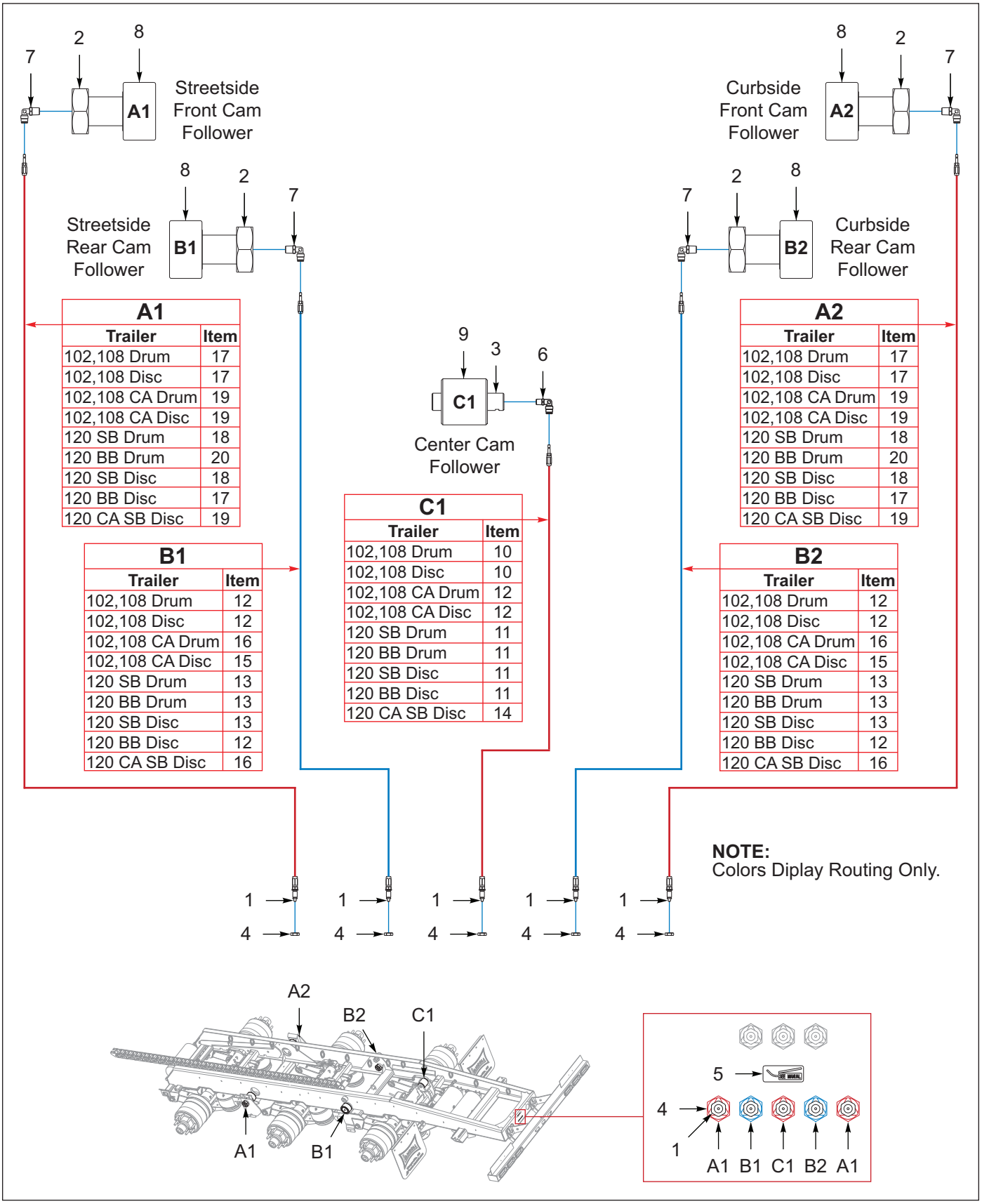


Figure 10-22: 3 Axle, Cam Followers, Roller (After 12/01/2025)

3 Axle, Cam Followers, Roller (After 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	250701	SUSP 455B SB / BB DRUM HLDX **(102 / 108, STD / CA MODELS)**	- -
	250711	SUSP 455B 120 DRUM HLDX **(120 SB / BB MODELS)**	- -
	253282	SUSP 455B SB / BB DISC HLDX **(102 / 108, STD / CA MODELS)**	- -
	250722	SUSP ASSY 455B 120 DISC HLDX **(120 STD / CA MODELS)**	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEMS 10-20 INCLUDES 1 EACH)**	1
2	104034	NUT, HEX 2-12UN, GRB, ZP **(INSTALLATION - SEE PAGE 2-17)**	4
3	121686	PIN 1-1/2X6-1/4 **(INSTALLATION - SEE PAGE 2-17)**	1
4	142545	NUT 7/16 FOR BULKHEAD	5
5	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
6	202099	FITTING GREASE 90 SWIV PTC 1/8	1
7	216600	FITTING GREAST 90SWIV P-T-C1/4	4
8	3-076-010015	5IN DIA CAM FOLLOWER **(INSTALLATION - SEE PAGE 2-17)**	4
9	3-645-010084	ROLLER ASSY,REAR U/C 660FG **(INCLUDES ITEM 1)** **(INSTALLATION - SEE PAGE 2-17)**	1
10	202104	HOSE ASSY GREASE 1/8 X 60 **(INCLUDES ITEM 1)** **(102 STD, 108 STD, SB / BB, DRUM / DISC)**	1
11	202106	HOSE ASSY GREASE 1/8 X 72 **(INCLUDES ITEM 1)** **(120 STD, SB / BB, DRUM / DISC)**	1
12	202107	HOSE ASSY GREASE 1/8 X 83 **(INCLUDES ITEM 1)** **(102 STD, 108 STD, SB / BB, DRUM / DISC, REQ 2 EACH)** **(102 CA, 108 CA, SB / BB, DRUM / DISC, REQ 1 EACH)** **(120 STD, BB, DISC, REQ 2)**	- -
13	202108	HOSE ASSY GREASE 1/8 X 88 **(INCLUDES ITEM 1)** **(120 STD, SB/ BB, DRUM)** **(120 STD, SB, DISC)**	2
14	202110	HOSE ASSY GREASE 1/8 X 98 **(INCLUDES ITEM 1)** **(120 CA, SB, DISC)**	1
15	202111	HOSE ASSY GREASE 1/8 X 102 **(INCLUDES ITEM 1)** **(102 CA, 108 CA, SB / BB DISC)**	2
16	202112	HOSE ASSY GREASE 1/8 X 118 **(INCLUDES ITEM 1)** **(102 CA, 108 CA, SB / BB DRUM)** **(120 CA, SB, DISC)**	2
17	202121	HOSE ASSY GREASE 1/8 X 172 **(INCLUDES ITEM 1)** **(102 STD, 108 STD, SB / BB, DRUM / DISC)** **(120 STD, BB, DISC)**	2
18	202122	HOSE ASSY GREASE 1/8 X 180 **(INCLUDES ITEM 1)** **(120 STD, SB, DRUM / DISC)**	2
19	204223	HOSE ASSY GREASE 1/8 X 200 **(INCLUDES ITEM 1)** **(102 CA, 108 CA, DRUM / DISC)** **(120 CA, SB, DISC)**	2
20	243357	HOSE ASSY GREASE 1/8X176 **(INCLUDES ITEM 1)** **(120 STD, BB, DRUM)**	2

3 Axle, Drum Brakes (After 12/01/2025)

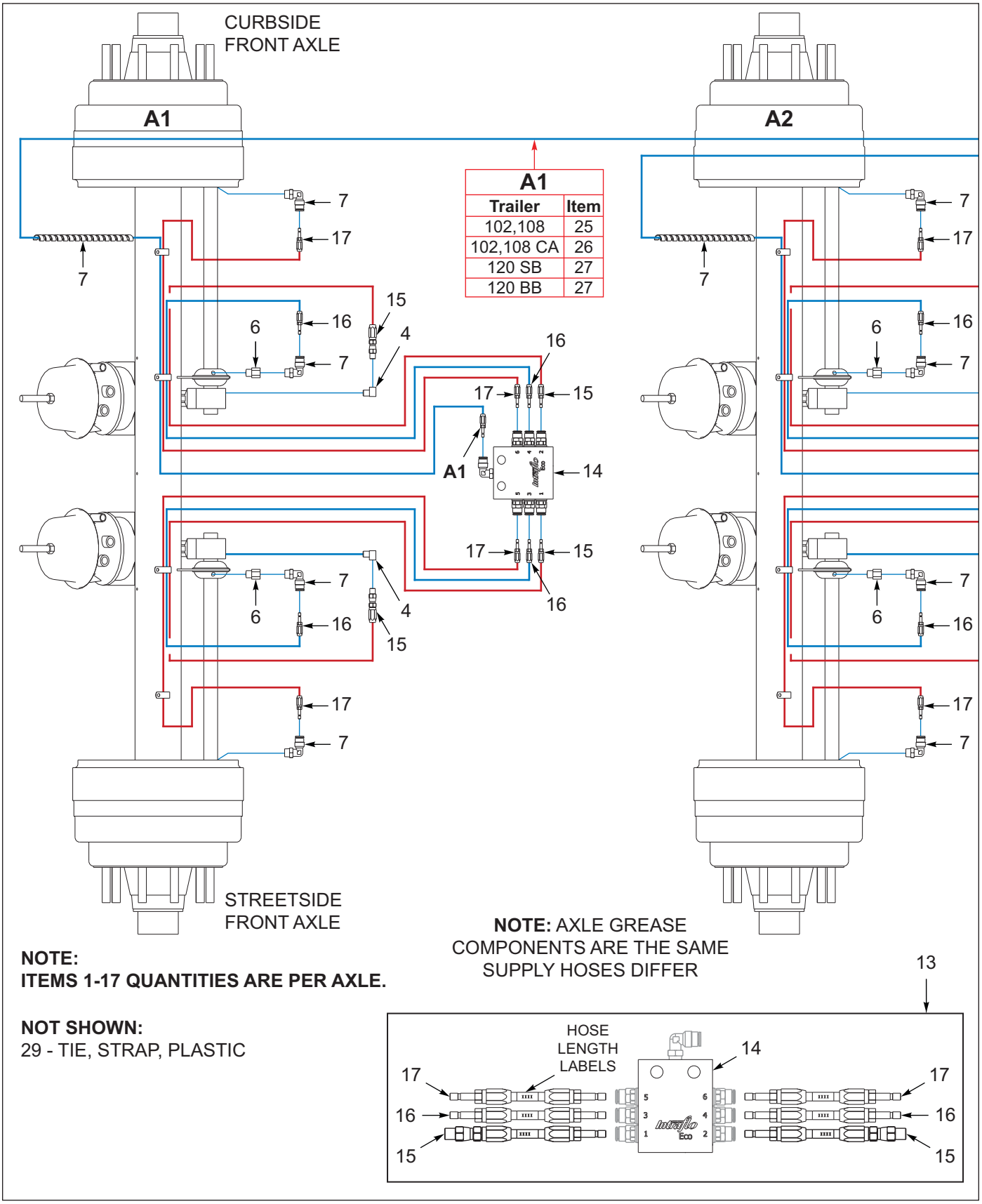


Figure 10-23: 3 Axle, Drum Brakes (After 12/01/2025) (1 of 3)

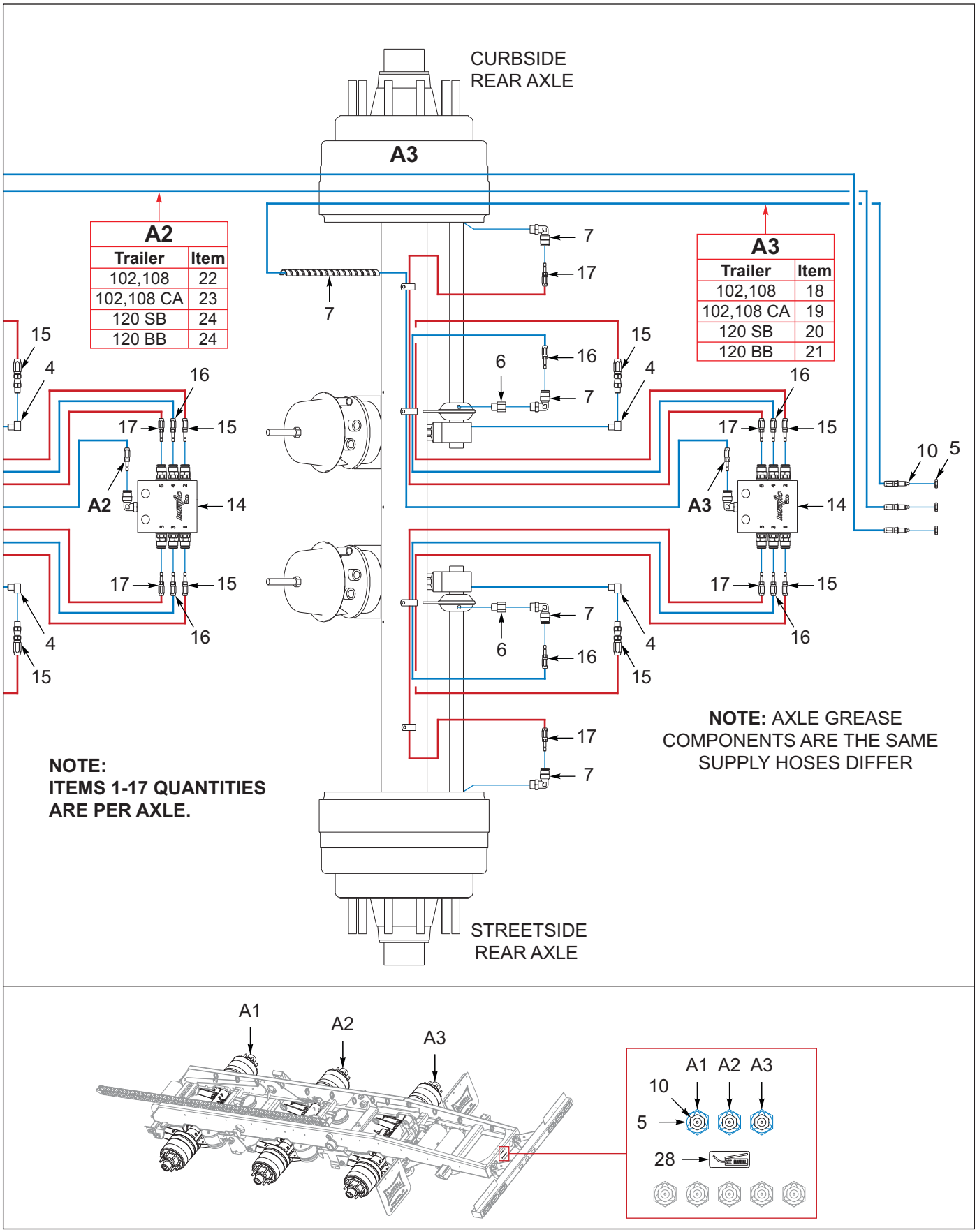


Figure 10-24: 3 Axle, Drum Brakes (After 12/01/2025) (2 of 3)

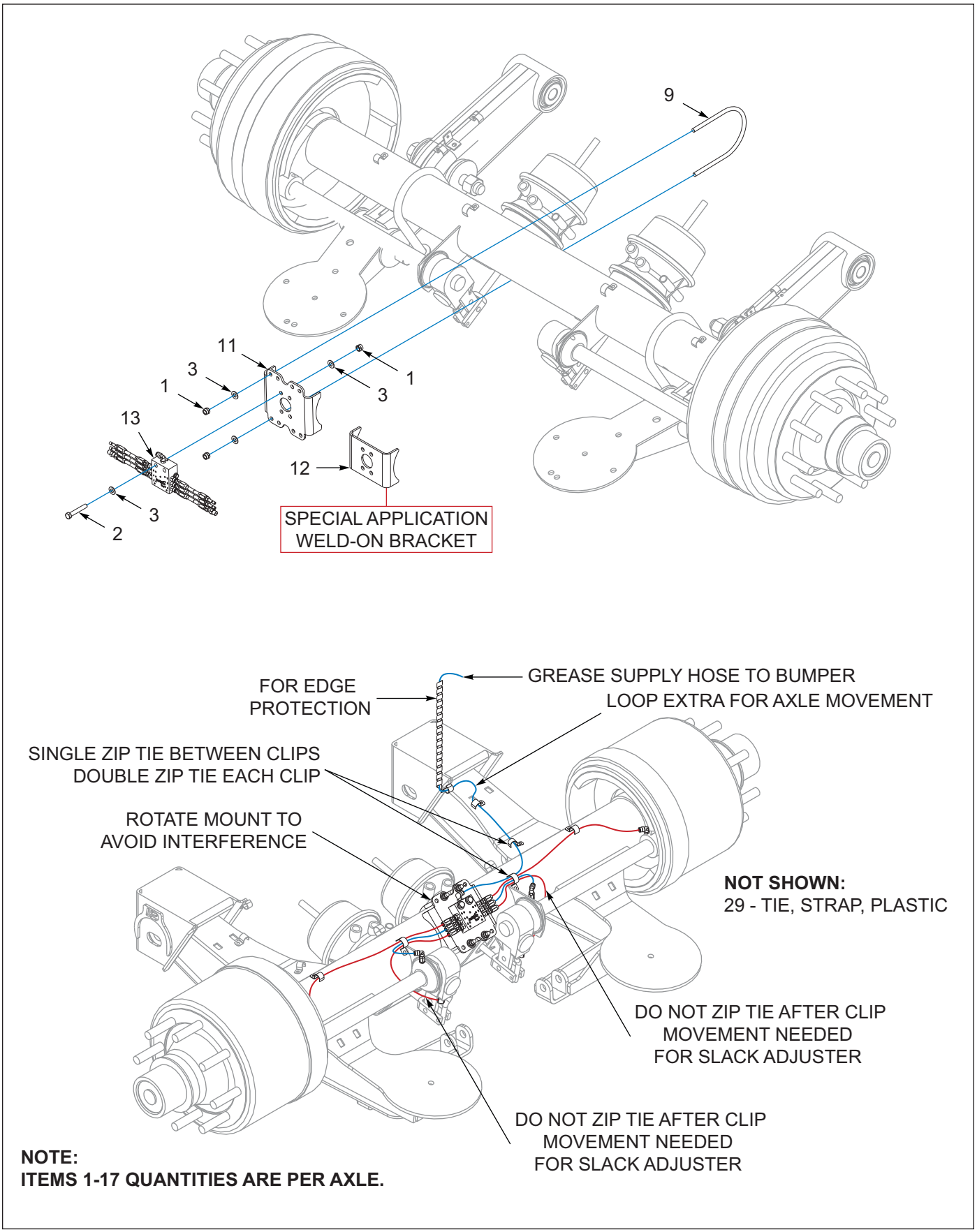


Figure 10-25: 3 Axle, Drum Brakes (After 12/01/2025) (3 of 3)

3 Axle, Drum Brakes (After 12/01/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	250701	SUSP 455B SB / BB DRUM HLDX **(102 / 108, STD / CA MODELS)**	- -
	250711	SUSP 455B 120 DRUM HLDX **(120 SB / BB MODELS)**	- -
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	3
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 18-27)**	1
11	224325	MOUNT BOLT-ON AXLE GREASE VLV	1
12	233622	MOUNT WELD-ON AXLE GREASE VLV **(102 BB STD, 102 BB CA)**	1
13	229177	VALVE AXLE GREASE ASM 22-16-28 **(102, 108 STD / CA)** **(KIT INCLUDES ITEMS 14-17)**	1
13	233671	VALVE AXLE GREASE ASM 28-20-34 **(120 SB / BB)** **(KIT INCLUDES ITEMS 14-17)**	1
14	224304	VALVE AXLE GREASE DIVIDER **(NON-REPAIRABLE, INCLUDES ALL FITTINGS, FITTINGS NOT SOLD SEPARATELY)** **(INCLUDED WITH ITEMS 13, 229177, 233671)**	1
15	225770	HOSE ASSY GREAST 1/8" X 22" **(PORTS 1 & 2) (102, 108 STD / CA)** **(INCLUDED WITH ITEM 13, 229177)**	2
15	233683	HOSE ASSY GREASE 1/8" X 28" **(PORTS 1 & 2) (120 SB / BB)** **(INCLUDED WITH ITEM 13, 233671)**	2
16	229178	HOSE ASSY GREASE 1/8" X 16" **(PORTS 3 & 4) (102, 108 STD / CA)** **(INCLUDED WITH ITEM 13, 229177)**	2
16	225698	HOSE ASSY GREASE 1/8" X 20" **(PORTS 3 & 4) (120 SB / BB)** **(INCLUDED WITH ITEM 13, 233671)**	2
17	229182	HOSE ASSY GREASE 1/8" X 28" **(PORTS 5 & 6) (102, 108 STD / CA)** **(INCLUDED WITH ITEM 13, 229177)**	2
17	233670	HOSE ASSY GREASE 1/8" X 34" **(PORTS 5 & 6) (120 SB / BB)** **(INCLUDED WITH ITEM 13 233671)**	2
18	202113	HOSE ASSY GREASE 1/8 X 126 **(102 STD, 108 STD)** **(INCLUDES ITEM 10, 1 EACH)**	1
19	202116	HOSE ASSY GREASE 1/8 X 144 **(102 CA, 108 CA)** **(INCLUDES ITEM 10, 1 EACH)**	1
20	202114	HOSE ASSY GREASE 1/8 X 133 **(120 SB)** **(INCLUDES ITEM 10, 1 EACH)**	1
21	202113	HOSE ASSY GREASE 1/8 X 126 **(120 BB)** **(INCLUDES ITEM 10, 1 EACH)**	1
22	202122	HOSE ASSY GREASE 1/8 X 180 **(102 STD, 108 STD)** **(INCLUDES ITEM 10, 1 EACH)**	1
23	229181	HOSE ASSY GREAST 1/8 X 210 **(102 CA, 108 CA)** **(INCLUDES ITEM 10, 1 EACH)**	1
24	202123	HOSE ASSY GREASE 1/8 X 186 **(120 SB, 120 BB)** **(INCLUDES ITEM 10, 1 EACH)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
25	230759	HOSE ASSY GREAST 1/8 X 240 **(102 STD, 108 STD) (INCLUDES ITEM 10, 1 EACH)**	1
26	204226	HOSE ASSY GREASE 1/8 X 260 **(102 CA, 108 CA) (INCLUDES ITEM 10, 1 EACH)**	1
27	249495	HOSE ASSY GREASE 1/8" X 246" **(120 SB, 120 BB) (INCLUDES ITEM 10, 1 EACH)**	1
28	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL	1
29	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE LB) (NOT SHOWN)**	- -

Table provided for general use.

NOTES:

System, Hydraulic

Trailer, Hitch Tilt / Travel Axle

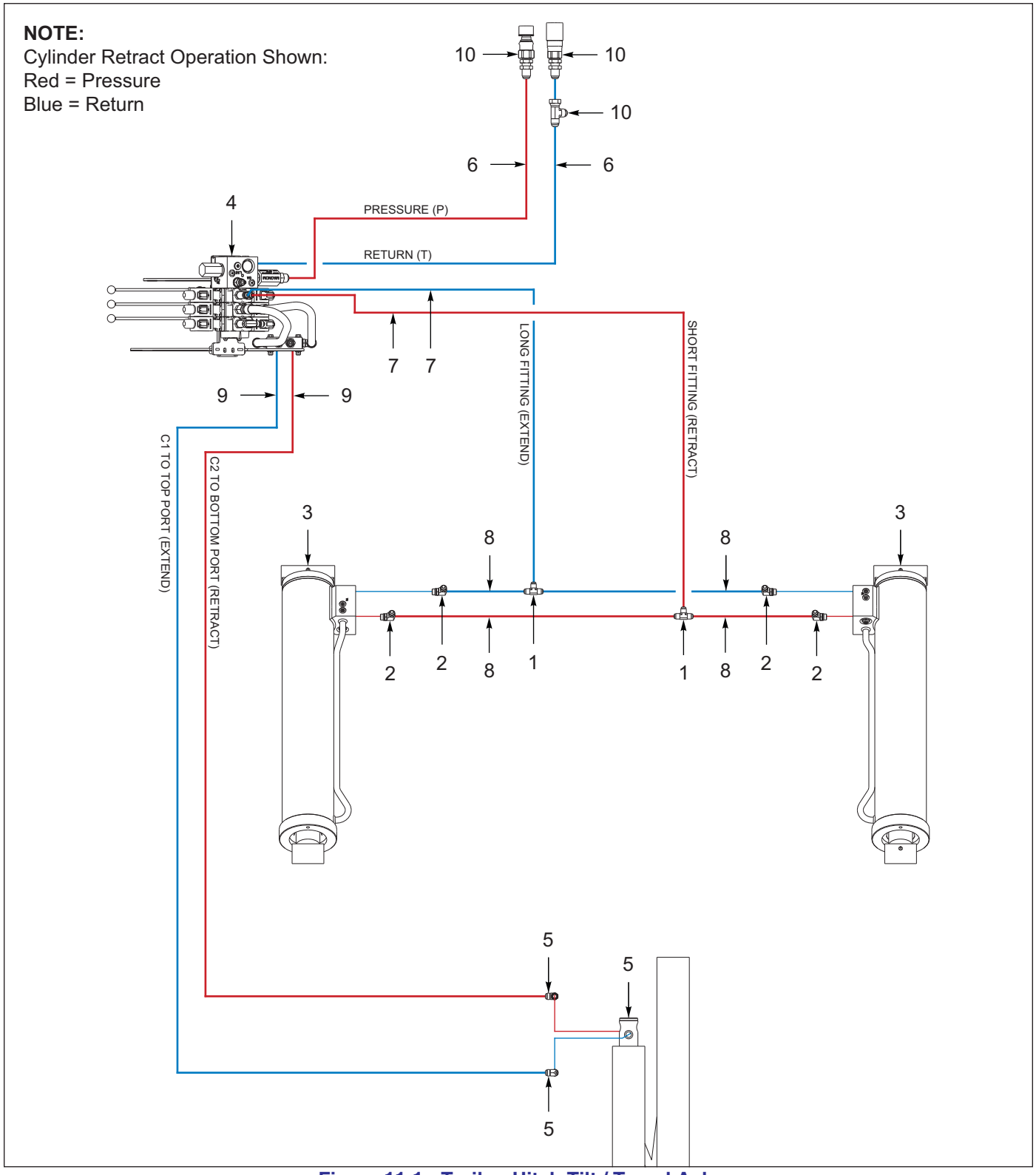


Figure 11-1: Trailer, Hitch Tilt / Travel Axle

Trailer, Hitch Tilt / Travel Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	212396	HYD ELECT AIR 440B-41 RMT	- -
1	2033-8-8S	ADAPTER, TEE, #8 TUBE	2
2	2062-8-8S	ADAPTER, 90°, #8 O-RING-TUBE	4
3	186807	CYLINDER,6"X41",30" STROKE, CB **(COMPONENTS - SEE PAGE 11-31)**	2
4	186886	VALVE ASSY 3 SP MOTOR SOLE **(INSTALLATION - SEE PAGE 2-7) (ASSEMBLY - SEE PAGE 11-35)**	1
5	189259	CYL. ASSY U/C 440A-53 **(ASSEMBLY - SEE PAGE 11-21)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
6	163352	HOSE ASSY,3/4X180,SAE37,STR90 **(STD G/N 102" & 108" WIDE)**	2
6	190634	HOSE ASSY 3/4X204SAE37 STR90 **(HD G/N 102" & 108" WIDE)**	2
6	1-397-010305190	HOSE ASSY,3/4X190,SAE37,STR90 **(STD G/N 120" WIDE)**	2
6	1-397-010305216	HOSE ASSY,3/4X216,SAE37,STR90 **(HD G/N 120" WIDE)**	2
7	1-397-010302070	HOSE ASSY,1/2,SAE37,STR-90R **(STD & HD GN 102" & 108" WIDE)**	2
7	1422072	HOSE #8 ASSY 78.50 OAL **(STD & HD G/N 120" WIDE)**	2
8	1410119	HOSE ASSY 1/2X50 SAE37 STR **(STD & HD GN 102" & 108" WIDE)**	4
8	1-397-010301064	HOSE ASSY,1/2X64,SAE 37 STR **(STD & HD G/N 120" WIDE)**	4
9	189356	HOSE ASSY 5/8X154 SAE37 STR **(STD & HD GN 102" & 108" WIDE)**	2
9	189297	HOSE ASSY 5/8X164 SAE37#10STR **(STD & HD G/N 120" WIDE)**	2
10	238642	COUPLERS ISO FRONT SUB ASSY **(COMPONENTS - SEE PAGE 11-19)**	1

Dock Leveler Install, Control Valve & Hoses (Option)

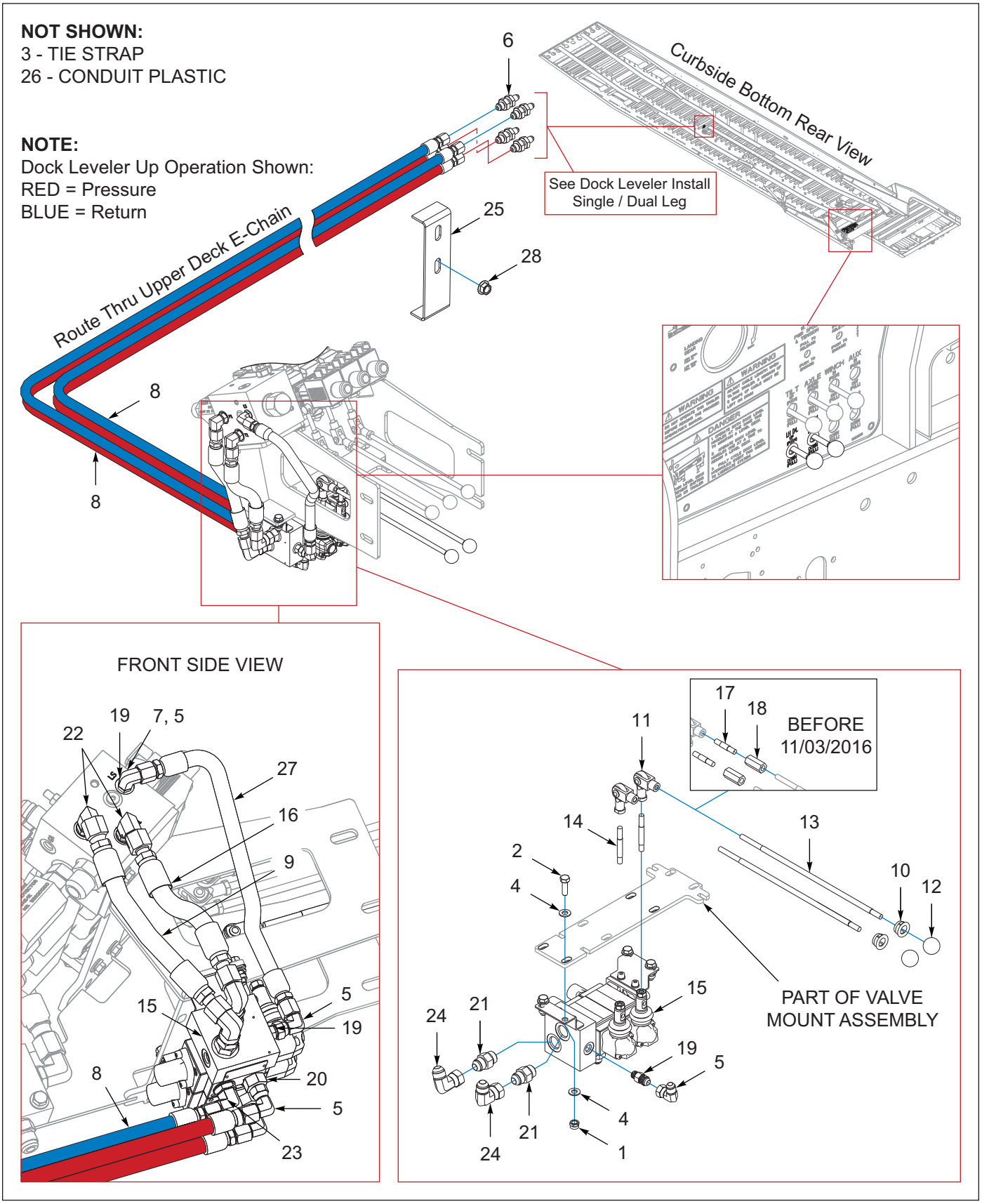
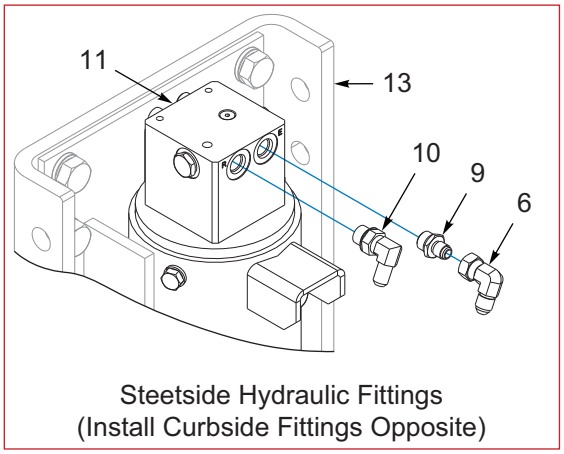


Figure 11-2: Dock Leveler Install, Control Valve & Hoses (Option)

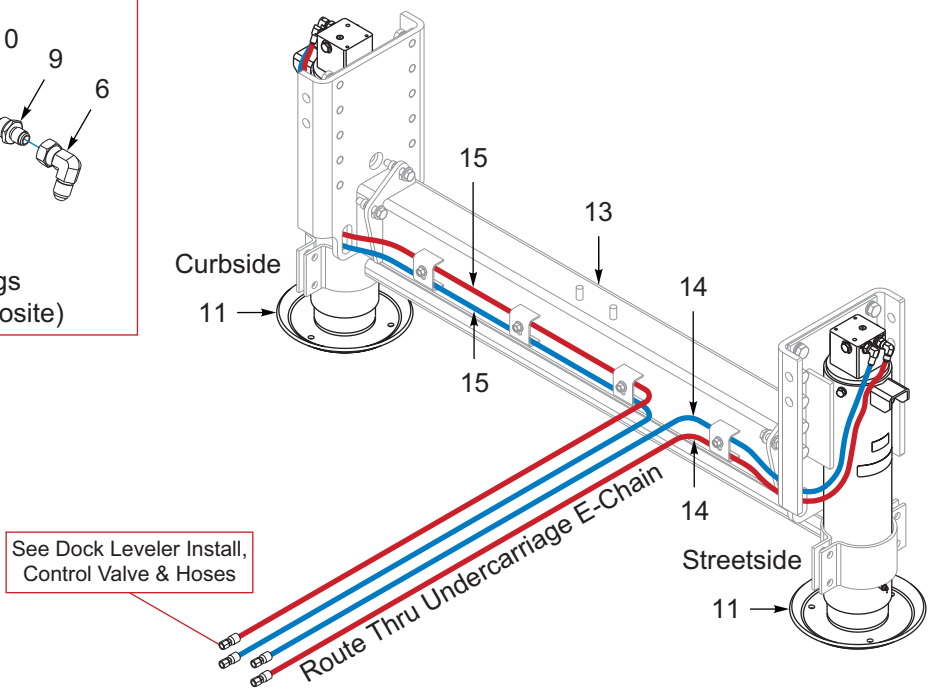
Dock Leveler Install, Control Valve & Hoses (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	189674	HYD D/L 440-41/45 102 **(DL1)**	- -
	189676	HYD D/L 400A-48/50CA-102/108 **(DL2)**	- -
	189680	HYD D/L 400A-53-102/108 **(DL3)**	- -
	189684	HYD D/L 400-53 120 **(DL4)**	- -
	190305	HYD D/L 455-50 120 **(DL5)**	- -
	190309	HYD D/L 455-50 102/108 **(DL6)**	- -
1	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	4
2	1-654-010049-05	SCREW HX CP 5/16-18UNCX1 GR5	4
3	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(NOT SHOWN)**	14
4	1-861-010032-08	WASHER,FLAT 5/16 N ZP	8
5	102-0031	ADAPTER,90 JIC SWIVEL #6 **(BEFORE 10/11/2021, REQ 3 EACH)**	4
6	102-1097	37 FLARE BULKHEAD/37 FLARE	4
7	102-1238	ADAPTER,90-#4 O-RING/#6 JIC **(BEFORE 10/11/2021)** **(AFTER REPLACED BY ITEMS 5, 19)**	1
8	103166	HOSE ASSY 3/8X252 JIC37 STR **(DL1)**	4
8	112160	HOSE ASSY3/8X408JIC37 STR-STR **(DL4)**	4
8	122813	HOSE ASSY 3/8X332,SAE37,STR **(DL2)**	4
8	125921	HOSE ASSY 3/8X372 JIC37 STR **(DL6)**	4
8	126736	HOSE 3/8X392 SAE 37, STR-STR **(DL3)**	4
8	1-397-010307356	HOSE 3/8X356,JIC 37,STR-STR **(DL5)**	4
9	123968	HOSE ASSY,1/2X14SAE37ST **(BEFORE 10/11/2021)**	1
9	124139	P-2 HOSE HYD 1/2X17 **(AFTER 10/11/2021)**	1
10	178444	BUSHING NYLON INSERT 9/16ID	2
11	186875	CLEVIS JOINT,ROD ENDS M8.1.25	2
12	186877	KNOB BLACK 1" ROUND M8X1.25THD	2
13	186878	ROD HANDLE M8X1.25 ENDS **(10 INCH HANDLE)**	2
14	186902	STUD M8X1.25X65MM,DBL THD	2
15	189260	VALVE, 2 SPOOL, MOTOR, MANUAL **(PARTS - SEE PAGE 11-37)**	1
16	193909	HOSE ASSY 1/2X12 #8JIC STR	1
17	193910	STUD M8-1.25X50MM DBLE THD **(BEFORE 11/03/2016)** **(AFTER NOT USED)**	2
18	193911	COUPLING NUT,M8-1.25X24MM ZINC **(BEFORE 11/03/2016)** **(AFTER NOT USED)**	2
19	202702-4-6S	ADAPTER, #4 O-RING TO #6 JIC **(BEFORE 10/22/2021, REQ 1 EACH)**	2
20	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	2
21	202702-8-8S	ADAPTER #8 O-RING TO #8 TUBE	2
22	2062-6-8S	ADAPTER 90" 562 O-RING-.75JIC	2
23	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	2
24	2071-8-8S	ADAPTER90 #8 FLR SWIVEL #8JIC	2
25	3-181-010006	HOSE CLAMP 350 **(AFTER 01/17/2019)** **(DL1, REQ 6) (DL2, REQ 8) (DL3, DL4, REQ 10) (DL5, DL6, REQ 9)**	- -
26	3-201-010002	CONDUIT 3/8 PLASTIC FLEX **(BY THE FOOT, NOT SHOWN)**	3
27	51031-21	HOSE ASSY 3/8X12-7/8 SAE37STR **(BEFORE 10/11/2021, REQ 1 EACH ITEMS 7, 5, 19)** **(AFTER 10/11/2021, REQ 2 EACH ITEMS 5, 19)**	1
28	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G **(AFTER 01/17/2019)** **(DL1, REQ 6) (DL2, REQ 8) (DL3, DL4, REQ 10) (DL5, DL6, REQ 9)**	- -

Dock Leveler Install, Single Leg Assembly, 62K (Option)

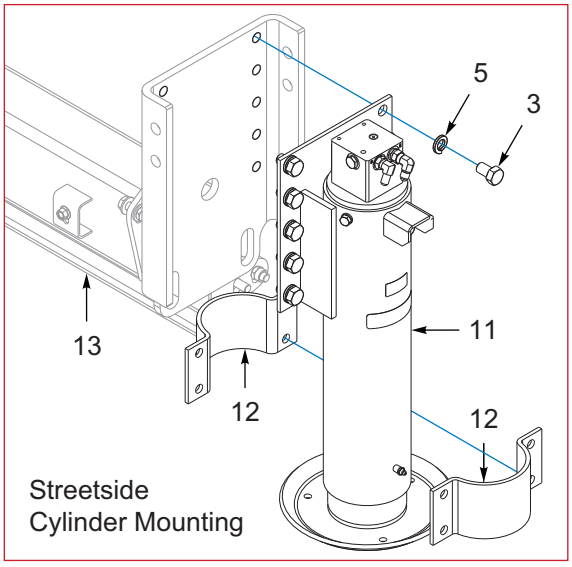


Steetside Hydraulic Fittings
(Install Curbside Fittings Opposite)

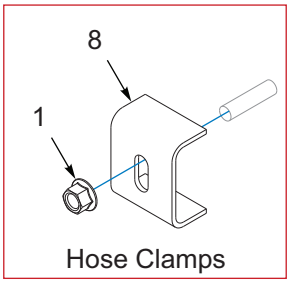


NOTE:
Dock Leveler Up Operation Shown:
RED = Pressure
BLUE = Return

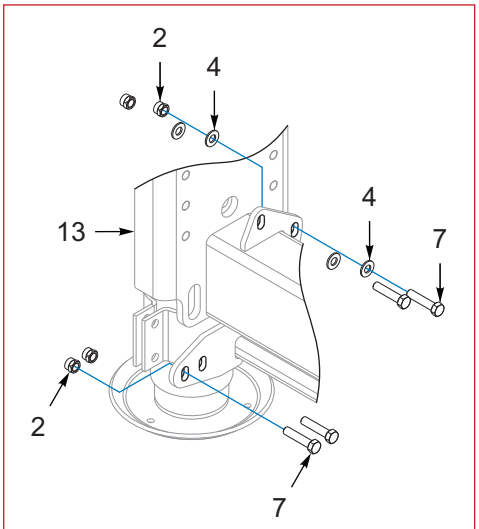
IMPORTANT: When ordering a complete Dock Leveler Assembly or Item 13, call and provide the Trailer VIN Number to identify the proper replacement.



Streetside
Cylinder Mounting



Hose Clamps



Streetside Undercarriage Mounting
(Rear Inside View)

Figure 11-3: Dock Leveler Install, Single Leg Assembly, 62K (Option)

Dock Leveler Install, Single Leg Assembly, 62K (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	121498	DOCK LEVEL ASSY US410 SGL 60K **(SD1)** **(SB - 102, 102 CA, 108, 108 CA) (BB - 108, 108 CA)**	- -
	130851	DOCK LEVEL ASSY 410 EURO 60K **(SD2)** **(BB - 102, 102 CA)**	- -
	174179	DOCK LEVEL ASSY 455-120 60K **(SD3)** **(BB - 120)**	- -
	189525	DOCK LEVEL ASSY 400-120 60KSB **(SD4)** **(SB - 120)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G **(SD1, SD3, SD4, REQ 4) (SD2, REQ 3)**	- -
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
3	1-654-010059-01	SCREW,HX CP,5/8-11UNCX1 GR5	20
4	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	8
5	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8	20
6	138155	ADAPTER 90 #4 JIC	2
7	172888	SCREW HX CP 1/2-13X2-1/4 GR8ZP	8
8	2-181-010001	HOSE CLAMP **(SD1, SD3, SD4, REQ 4) (SD2, REQ 3)**	- -
9	202702-6-4S	ADAPTER,STR,#6 O-RING X #4JIC	2
10	2062-6-4S	ADAPTER, 90, #6SAE X #4 JIC	2
11	3-242-010205	CYLINDER,HYD,DK LVLR, 4X15 **(INCLUDES ITEM 12)** **(COMPONENTS - SEE PAGE 11-25)**	2
12	100348	MTG BRKT FOR CYL 3-242-010058 **(INCLUDED WITH ITEM 11)** **(INCLUDES 2 BRACKETS, 4 BOLTS, 4 NUTS, 4 SPACERS)**	2
13	121402	MOUNT WLDMT,DOCK LEVEL, 410 **(SD1)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
13	174181	MOUNT WLDMT, DOCK LEVEL455-120 **(SD3)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
13	189524	MOUNT DOCK LEVEL 400-120SB **(SD4)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
13	3-482-010472	MOUNT WLDMT,DOCK LEVEL660-60K **(SD2)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	1
14	1-397-010262-5	HOSE ASSY,1/4 JIC 37 ENDS 220 **(SD1, SD2)**	2
14	174184	HOSE ASSY 1/4 X 232 1/4JIC 37 **(SD3, SD4)**	2
15	122540	HOSE ASSY 1/4X240 **(SD1, SD2)**	2
15	174185	HOSE ASSY 1/4 X 270 1/4JIC 37 **(SD3, SD4)**	2

Dock Leveler Install, Dual Leg Assembly, 124K (Option)

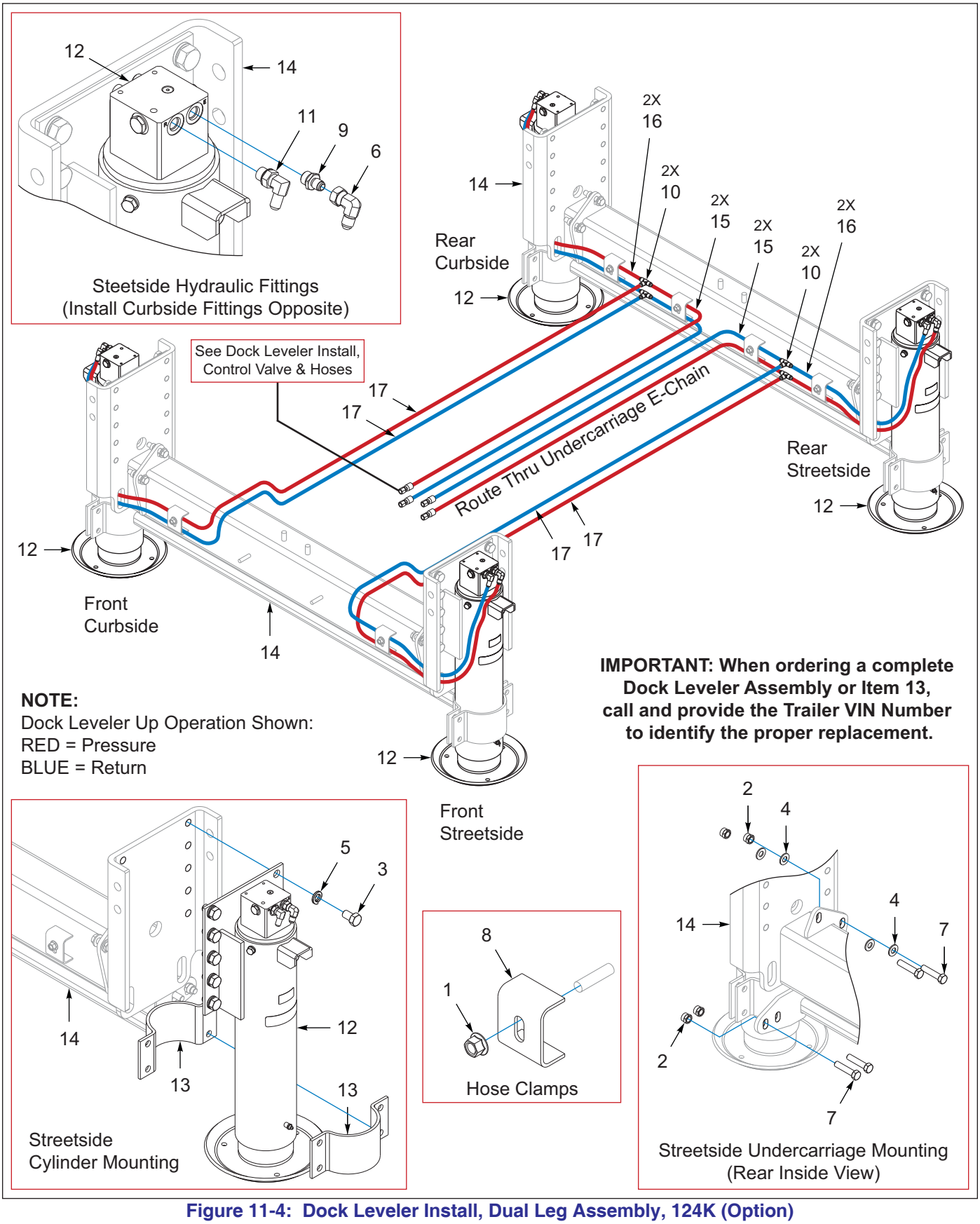


Figure 11-4: Dock Leveler Install, Dual Leg Assembly, 124K (Option)

Dock Leveler Install, Dual Leg Assembly, 124K (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	126537	DOCK LVL ASSY US410 120K **(DD1)**	- -
	180748	DOCK LEVEL ASSY 455-120 120K **(DD2)**	- -
	190318	DOCK LVL ASSY 400 120K BB **(DD3)**	- -
	190320	DOCK LEVEL 400-120 SB 120K **(DD4)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G **(DD1, DD2, DD4 BEFORE06/04/2025, REQ 8)** **(DD1, DD2, DD4 AFTER 06/04/2025, REQ 6)** **(DD3 BEFORE 06/04/2025, REQ 6)** **(DD3 AFTER 06/04/2025, REQ 4)**	- -
2	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	16
3	1-654-010059-01	SCREW,HX CP,5/8-11UNCX1 GR5 **(BEFORE 06/04/2025, REQ 32)**	40
4	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	16
5	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8 **(BEFORE 06/04/2025, REQ 32)**	40
6	138155	ADAPTER 90 #4 JIC	4
7	172888	SCREW HX CP 1/2-13X2-1/4 GR8ZP	16
8	2-181-010001	HOSE CLAMP **(DD1, DD2, DD4 BEFORE 06/04/2025, REQ 8)** **(DD1, DD2, DD4 AFTER 06/04/2025, REQ 6)** **(DD3 BEFORE 06/04/2025, REQ 6)** **(DD3 AFTER 06/04/2025, REQ 4)**	6
9	202702-6-4S	ADAPTER,STR,#6 O-RING X #4JIC	4
10	2033-4-4S	ADAPTER TEE JIC #4	4
11	2062-6-4S	ADAPTER, 90, #6SAE X #4 JIC	4
12	3-242-010205	CYLINDER,HYD,DK LVLR, 4X15 **(INCLUDES ITEM 13)** **(COMPONENTS - SEE PAGE 11-25)**	4
13	100348	MTG BRKT FOR CYL 3-242-010058 **(INCLUDED WITH ITEM 12)** **(INCLUDES 2 BRACKETS, 4 BOLTS, 4 NUTS, 4 SPACERS)**	2
14	121402	MOUNT WLDMT,DOCK LEVEL, 410 **(DD1)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	2
14	174181	MOUNT WLDMT, DOCK LEVEL455-120 **(DD2)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	2
14	189524	MOUNT DOCK LEVEL 400-120SB **(DD4)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	2
14	3-482-010472	MOUNT WLDMT,DOCK LEVEL660-60K **(DD3)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	2
15	1-397-010262-5	HOSE ASSY,1/4 JIC 37 ENDS 220 **(DD1, DD3)** **(BEFORE 05/05/2025)**	4
15	250740	HOSE ASSY, 1/4X198, 1/4 JIC 37 (**DD1, DD3)** **(AFTER 05/05/2025)**	4
15	174185	HOSE ASSY 1/4 X 270 1/4JIC 37 **(DD2, DD4)**	4
16	1-397-010262028	HOSE ASSY,1/4X28,1/4JIC 37END	4
17	1-397-010262100	HOSE ASSY,1/4X100,1/4JIC 37	4

Landing Legs, Hydraulic (Option)

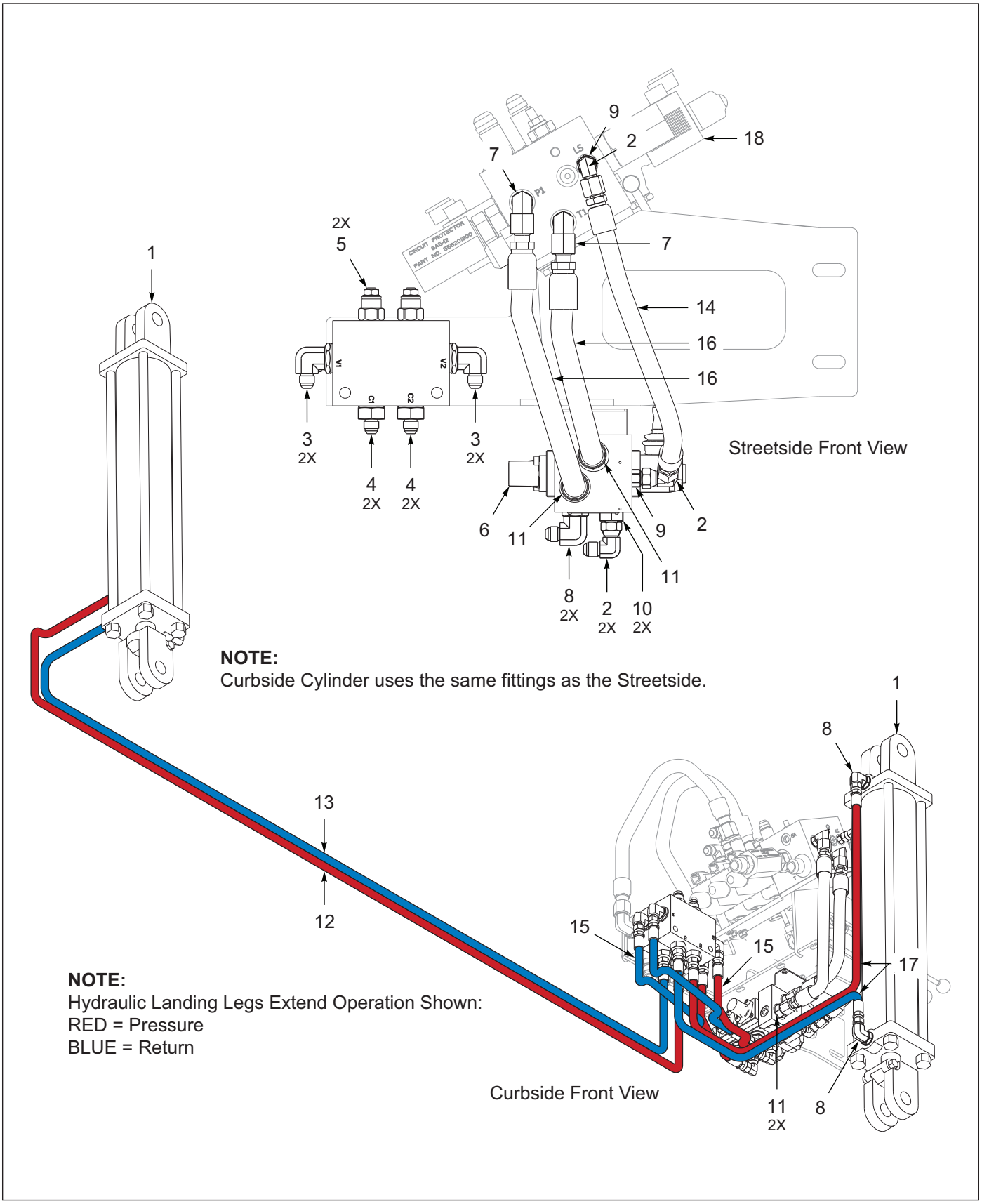


Figure 11-5: Landing Legs, Hydraulic (Option)

Landing Legs, Hydraulic (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	195371	PARK STAND HYD 400AX102 **(HL1)**	- -
	195372	PARK STAND HYD 400AX102 ARCTIC **(HL2)**	- -
	195374	PARK STAND HYD 400AX108 **(HL3)**	- -
	195375	PARK STAND HYD 400AX108 ARCTIC **(HL4)**	- -
	195376	PARK STAND HYD 400AX120 **(HL5)**	- -
	195377	PARK STAND HYD 400AX120 ARCTIC **(HL6)**	- -
1	1-242-010180-2	CYLINDER,HYD 3-1/2X20 3000PSI **(INSTALLATION - SEE PAGE 2-39)** **(COMPONENTS - SEE PAGE 11-23)**	2
2	102-0031	ADAPTER,90 JIC SWIVEL #6	4
3	102-1333	FTG,90EL 06SAEM X 10 O'RINGM	4
4	146707	ADAPTER,#10 O-RING #6 TUBE	4
5	184585	VALVE,DUAL COUNTER BALANCE,30G **(INSTALLATION - SEE PAGE 2-39)**	2
6	189260	VALVE, 2 SPOOL, MOTOR, MANUAL **(INSTALLATION - SEE PAGE 2-39)** **(COMPONENTS - SEE PAGE 11-37)**	1
7	2062-6-8S	ADAPTER, 90°, #6 O-RING-#8 JIC	2
8	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	6
9	202702-4-6S	ADAPTER, #4 O-RING TO #6 JIC	2
10	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	2
11	202702-8-8S	ADAPTER #8 O-RING TO #8 TUBE	2
12	7779-102	HOSE HYD 1/4 X 102 **(HL1)**	1
12	195387	HOSE ARCTIC 3/8X102 #6JIC STR **(HL2)**	1
12	125648	HOSE ASSY 1/4X108,#6JICFEMALE **(HL3)**	1
12	195388	HOSE ARCTIC 3/8X108 #6JIC STR **(HL4)**	1
12	71600529	HOSE ASSY .25X120" **(HL5)**	1
12	172865	HOSE 3/8X120 ARCTIC #6JIC STR **(HL6)**	1
13	7779-78	HOSE HYD 1/4 X 78 **(HL1)**	1
13	195386	HOSE ARCTIC 3/8X78 #6JIC STR **(HL2)**	1
13	7779-84	HOSE HYD 1/4 X 84 **(HL3)**	1
13	169628	HOSE 3/8X84 ARCTIC #6 JIC STR **(HL4)**	1
13	71509004	HOSE .25 X 98 **(HL5)**	1
13	193435	HOSE ARCTIC 3/8X100SAE37 STR **(HL6)**	1
14	130644	HOSE ASSY 3/8X16,9/16JIC ST **(HL1, HL3, HL5)**	1
14	189341	HOSE 3/8X16 ARCTIC #6JIC STR **(HL2, HL4, HL5)**	1
15	71509125	HOSE ASSY, 1/4, #6 JIC 30" **(HL1, HL3, HL5)**	4
15	193907	HOSE ARCTIC,3/8X30,#6JIC STR **(HL2, HL4, HL5)**	4
16	1422896	HOSE ASSY OUTLET LOOP **(HL1, HL3, HL5)**	2
16	193908	HOSE ARCTIC 1/2X18#8JIC STR **(HL2, HL4, HL5)**	2
17	71500165	HOSE, .25 X 46 IN. **(HL1, HL3, HL5)**	2
17	195385	HOSE ARCTIC 3/8X46 #6JIC STR **(HL2, HL4, HL5)**	2
18	186886	VALVE ASSY 3 SP MOTOR SOLE **(INSTALLATION - SEE PAGE 2-7)** **(HYDRAULICS - SEE PAGE 11-1)**	1

Rollers, Deck, 8-Pop-Ups, 48 / 50 / 53 Foot (Options)

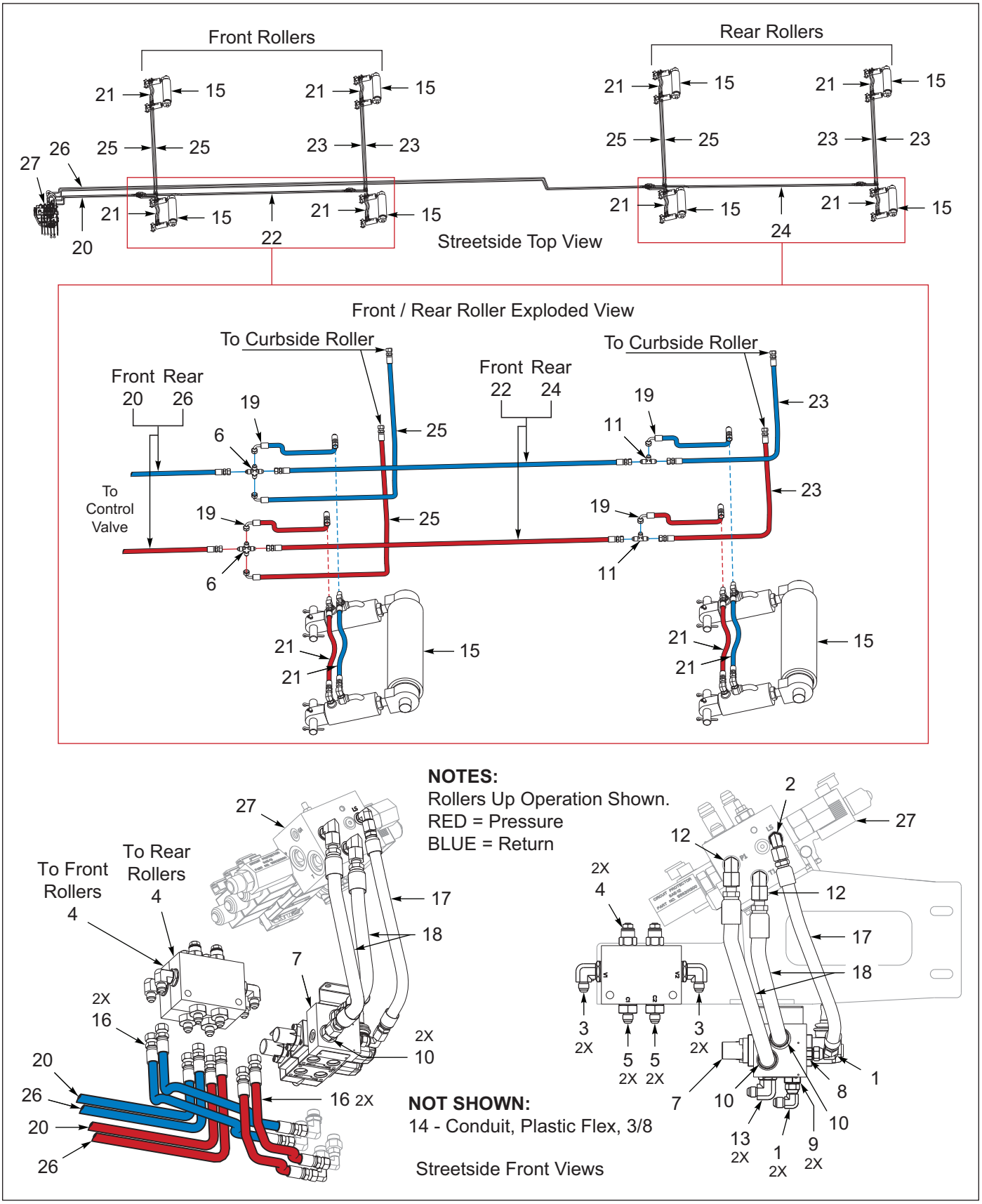


Figure 11-6: Rollers, Deck, 8-Pop-Ups, 48 / 50 / 53 Foot (Options)

Rollers, Deck, 8-Pop-Ups, 48 / 50 / 53 Foot (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	194467	ROLLER INSTL(8)400A-48-102SB **(R01)**	- -
	194483	ROLLER INSTL(8)400A-48-108SBBB **(R02)**	- -
	194499	ROLLER INSTL(8)400A-48-120 SB **(R03)**	- -
	190508	ROLLER INSTL(8)400A-50CA-102SB **(R04)**	- -
	194508	ROLLER INST(8)400A-50CA108SBBB **(R05)**	- -
	194524	ROLLER INSTL(8)400A-50CA120 SB **(R06)**	- -
	194540	ROLLER INSTL(8)400A-50-102 SB **(R07)**	- -
	194556	ROLLER INSTL(8)400A-50-108SBBB **(R08)**	- -
	194572	ROLLER INSTL (8)400A-50-120 SB **(R09)**	- -
	190524	ROLLER INSTL(8)400A-53-102SB **(R10)**	- -
	189384	RLR INSTL(8)400A-53-102SB1" **(R11)**	- -
	190536	ROLLER INSTL(8)400A-53-108SBBB **(R12)**	- -
	190548	ROLLER INSTL(8)400A-53--120 SB **(R13)**	- -
	190552	ROLLER INSTL (8) 400A-53-120BB **(R14)**	- -
	216649	RLR INSTL (8)400B-50CA-102SB1" **(R15)**	- -
1	102-0031	ADAPTER,90 JIC SWIVEL #6	3
2	102-1238	ADAPTER,90-#4 O-RING/#6 JIC	1
3	102-1333	FTG,90EL 06SAEM X 10 O'RINGM	4
4	184585	VALVE,DUAL COUNTER BALANCE,30G **(INCLUDES 236533 - CARTRIDGE, 2 EACH)** **(INSTALLATION - SEE PAGE 2-53)**	2
5	146707	ADAPTER,#10 O-RING #6 TUBE	4
6	149012	ADAPTER CROSS #6 JIC	4
7	189260	VALVE, 2 SPOOL, MOTOR, MANUAL **(INSTALLATION - SEE PAGE 2-53)** **(COMPONENTS - SEE PAGE 11-37)**	1
8	202702-4-6S	ADAPTER, #4 O-RING TO #6 JIC	1
9	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	2
10	202702-8-8S	ADAPTER #8 O-RING TO #8 TUBE	2
11	2033-6-6S	ADAPTER, TEE, #6 TUBE	4
12	2062-6-8S	ADAPTER, 90°, #6 O-RING-#8 JIC	2
13	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	2
14	3-201-010002	CONDUIT 3/8 PLASTIC FLEX	3
15	169845	ROLLER SUB-ASSY POP-UP **(R02, R05, R08, R12, R14)** **(INSTALLATION - SEE PAGE 2-53)** **(COMPONENTS - SEE PAGE 11-33)**	8
15	175617	ROLLER SUB-ASSY POP-UP **(R01, R03, R04, R06, R07, R09, R10, R13)** **(INSTALLATION - SEE PAGE 2-53)** **(COMPONENTS - SEE PAGE 11-33)**	8
15	186861	ROLLER ASSY, POP-UP, 1" STOP **(R11, R15)** **(INSTALLATION - SEE PAGE 2-53)** **(COMPONENTS - SEE PAGE 11-33)**	8
16	71509125	HOSE ASSY, 1/4, #6 JIC 30"	4
17	130644	HOSE ASSY 3/8X16,9/16JIC ST	1
18	1422896	HOSE ASSY OUTLET LOOP	2
19	169848	HOSE ASSY 1/4X18 #6JIC STR-90	8
20	169849	HOSE ASSY 1/4X144 #6JIC STR	2
21	174265	HOSE HYD 1/4 X 21 - 6 STR	16

ITEM	PART NUMBER	DESCRIPTION	QTY.
22	125648	HOSE ASSY 1/4X108,#6JICFEMALE **(R07, R08, R09)**	2
22	71508981	HOSE ASSY 1/4 #6 JIC (2X) 130" **(R04, R05, R06, R10, R11, R12, R13, R14, R15)**	2
22	71509124	HOSE ASSY 1/4 #6 JIC (2X) 116" **(R01, R02, R03)**	2
23	71500166	HOSE, .25 X 52 IN. **(R01, R02, R04, R05, R07, R08, R10, R11, R12, R15)**	4
23	71509010	HOSE ASM 1/4 X 64 **(R14)**	4
23	7779-72	HOSE HYD 1/4 X 72 **(R03, R06, R09, R13)**	4
24	149007	HOSE ASSY 1/4X#6JIC (2X) X156 **(R04, R05, R06, R15)**	2
24	172980	HOSE ASSY, 1/4X125 #6 JIC STR **(R01, R02, R03, R07, R08, R09, R10, R11, R12, R13, R14)**	2
25	149011	HOSE ASSY 1/4X72 #6JIC STR-90 **(R03, R06, R09, R13)**	4
25	174267	HOSE ASSY 1/4X64 #6JIC STR-90 **(R14)**	4
25	175029	HOSE ASSY 1/4X52 #6JIC STR-90 **(R01, R02, R04, R05, R07, R08, R10, R11, R12, R15)**	4
26	174266	HOSE HYD 1/4 X 446 -6 STR **(R10, R11, R12, R13, R14)**	2
26	194724	HOSE ASSY 1/4X386 #6 JIC 2X **(R01, R02, R03, R04, R05, R06, R15)**	2
26	194725	HOSE ASSY 1/4X399 #6 JIC 2X **(R07, R08, R09)**	2
27	186886	VALVE ASSY 3 SP MOTOR SOLE **(INSTALLATION - SEE PAGE 2-7)**	1

Table provided for general use.

NOTES:

Rollers, Deck, 8-Pop-Ups, 57 Foot (Options)

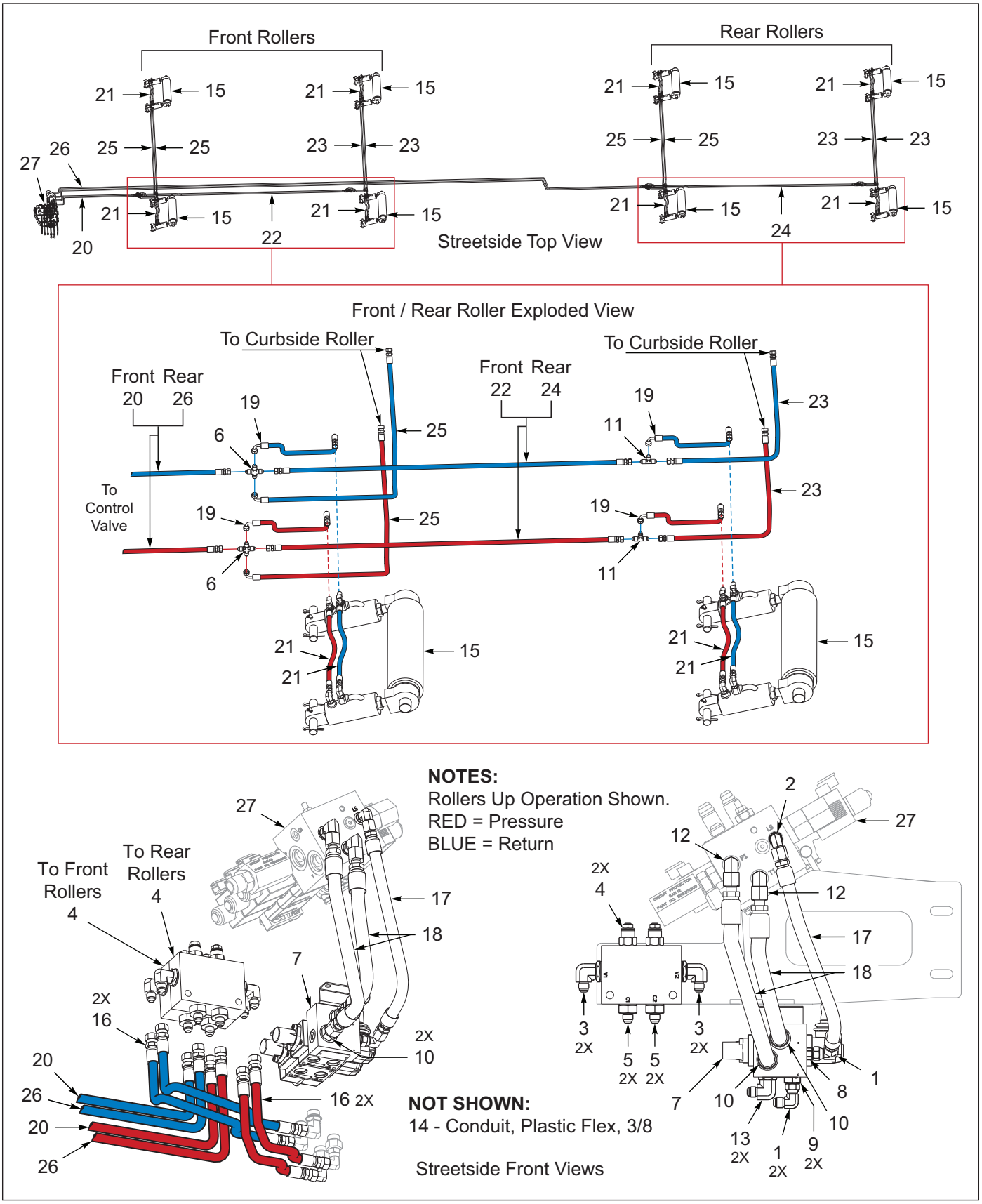


Figure 11-7: Rollers, Deck, 8-Pop-Ups, 57 Foot (Options)

Rollers, Deck, 8-Pop-Ups, 57 Foot (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	238957	RLR INSTL (8) 400B-57-108 **(R16)**	- -
	238958	RLR INSTL SPCL (8) 400B-57-108 **(R17)**	- -
1	102-0031	ADAPTER,90 JIC SWIVEL #6	3
2	102-1238	ADAPTER,90-#4 O-RING/#6 JIC	1
3	102-1333	FTG,90EL 06SAEM X 10 O'RINGM	4
4	184585	VALVE,DUAL COUNTER BALANCE,30G **(INCLUDES 236533 - CARTRIDGE, 2 EACH)** **(INSTALLATION - SEE PAGE 2-53)**	2
5	146707	ADAPTER,#10 O-RING #6 TUBE	4
6	149012	ADAPTER CROSS #6 JIC	4
7	189260	VALVE, 2 SPOOL, MOTOR, MANUAL **(INSTALLATION - SEE PAGE 2-53)** **(COMPONENTS - SEE PAGE 11-37)**	1
8	202702-4-6S	ADAPTER, #4 O-RING TO #6 JIC	1
9	202702-8-6S	ADAPTER #8 O-RING TO #6 TUBE	2
10	202702-8-8S	ADAPTER #8 O-RING TO #8 TUBE	2
11	2033-6-6S	ADAPTER, TEE, #6 TUBE	4
12	2062-6-8S	ADAPTER, 90°, #6 O-RING-#8 JIC	2
13	2062-8-6S	ELBOW,90,#8 SAE X #6 JIC	2
14	3-201-010002	CONDUIT 3/8 PLASTIC FLEX	3
15	169845	ROLLER SUB-ASSY POP-UP **(INSTALLATION - SEE PAGE 2-53)** **(COMPONENTS - SEE PAGE 11-33)**	8
16	71509125	HOSE ASSY, 1/4, #6 JIC 30"	4
17	130644	HOSE ASSY 3/8X16,9/16JIC ST	1
18	1422896	HOSE ASSY OUTLET LOOP	2
19	169848	HOSE ASSY 1/4X18 #6JIC STR-90	8
20	169849	HOSE ASSY 1/4X144 #6JIC STR **(R16)**	2
20	228268	HOSE ASSY, 1/4X160#6JIC STR **(R17)**	2
21	174265	HOSE HYD 1/4 X 21 - 6 STR	16
22	149007	HOSE ASSY 1/4X#6JIC (2X) X156 **(R16)**	2
22	71509003	HOSE ASM 1/4 X 170 **(R17)**	2
23	71500166	HOSE, .25 X 52 IN.	4
24	71509787	HOSE ASSY .250 X 148"	2
25	175029	HOSE ASSY 1/4X52 #6JIC STR-90	4
26	238959	HOSE ASSY 1/4X470 #6 JIC STR	2
27	186886	VALVE ASSY 3 SP MOTOR SOLE **(INSTALLATION - SEE PAGE 2-7)**	1

Winch Install (See Retrieval System (Options))

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-873-010144-01	WINCH, 12K SPRING TENSION **(SEE PAGE 7-1)**	- -
	3-873-010140-01	WINCH, 20K SPRING TENSION **(SEE PAGE 7-3)**	- -
	162415	WINCH, 20K GUIDE AIR TENSION/RELEASE **(SEE PAGE 7-5)**	- -
	240553	WINCH INSTL 20K BRADEN 2SP STD **(20K)** **(SEE PAGE 7-11)**	- -
	240563	WINCH INSTL 30K BRADEN 2SPD **(30K)** **(SEE PAGE 7-11)**	- -
	240529	WINCH INSTL 20K RAMSEY 2SP STD**(20K STD GN)** **(SEE PAGE 7-13)**	- -
	240532	WINCH INST 30K RAMSEY 2SPD STD **(30K STD GN)** **(SEE PAGE 7-13)**	- -
	240534	WINCH INST 30K RAMSEY 2SPD HD **(30K HD GN)** **(SEE PAGE 7-13)**	- -
	167522	WINCH INSTL 20K WARN 2SP STD **(20K STD GN)** **(SEE PAGE 7-15)**	- -
	174175	WINCH INSTL 20K WARN 2SP HD **(20K HD GN)** **(SEE PAGE 7-15)**	- -
	172878	WINCH INSTALLATION, 30K 2 SPEED **(30K)** **(SEE PAGE 7-15)**	- -

Table provided for general use.

NOTES:

Couplers, Front Sub-Assembly, Hydraulic & Air

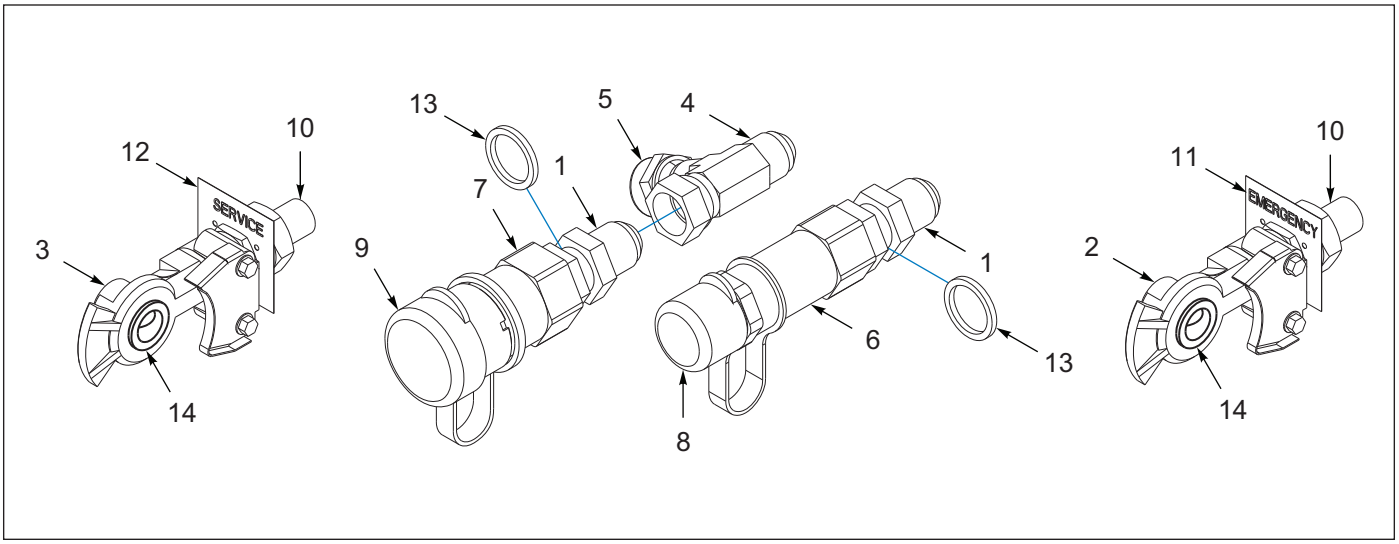


Figure 11-8: Coupler, Front Sub-Assembly, Hydraulic & Air

Couplers, Front Sub-Assembly, Hydraulic & Air

ITEM	PART NUMBER	DESCRIPTION	QTY.
	143163	CONNECTORS FRONT SUB ASSY **(BEFORE 03/01/2022 - OBSOLETE ORDER 238642)**	- -
	238642	COUPLERS ISO FRONT SUB ASSY **(AFTER 03/01/2022 - REPLACES 143163)**	- -
1	105483	ADAPTER BLKHD 12JIC-12 ORING	2
2	108801	GLAD HAND-RED-AIR **(INCLUDES ITEM 14)**	1
3	108802	GLAD HAND-BLUE-AIR **(INCLUDES ITEM 14)**	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 11-20) (BEFORE 03/01/2022 - SILVER BODY)**	- -
6	239677	COUPLER FL FACE ISO -12 MALE **(PARTS - SEE PAGE 11-20) (COUPLER KIT - SEE PAGE 11-20) (AFTER 03/01/2022 - BLACK BODY)**	1
7	105480	COUPLER FLAT FACE FEMALE BODY **(PARTS - SEE PAGE 11-20) (BEFORE 03/01/2022)**	- -
7	239678	COUPLER FL FACE ISO -12 FEMALE **(COUPLER KIT - SEE PAGE 11-20) (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) (COUPLER KIT - SEE PAGE 11-20)**	1
9	105482	COUPLER DUST CAP FEMALE **(BEFORE 03/01/2022)**	1
9	239680	DUST CAP FEMALE COUPLER -12ISO **(AFTER 03/01/2022) (COUPLER KIT - SEE PAGE 11-20)**	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 **(BEFORE 02/01/2021) (AFTER HEX RETAINER WELDED TO FRAME)**	2
14	209133	GLAD HAND SEAL **(INCLUDED WITH ITEMS 2 & 3)**	1

Coupler Kit, Hydraulic, Replacement & Repair

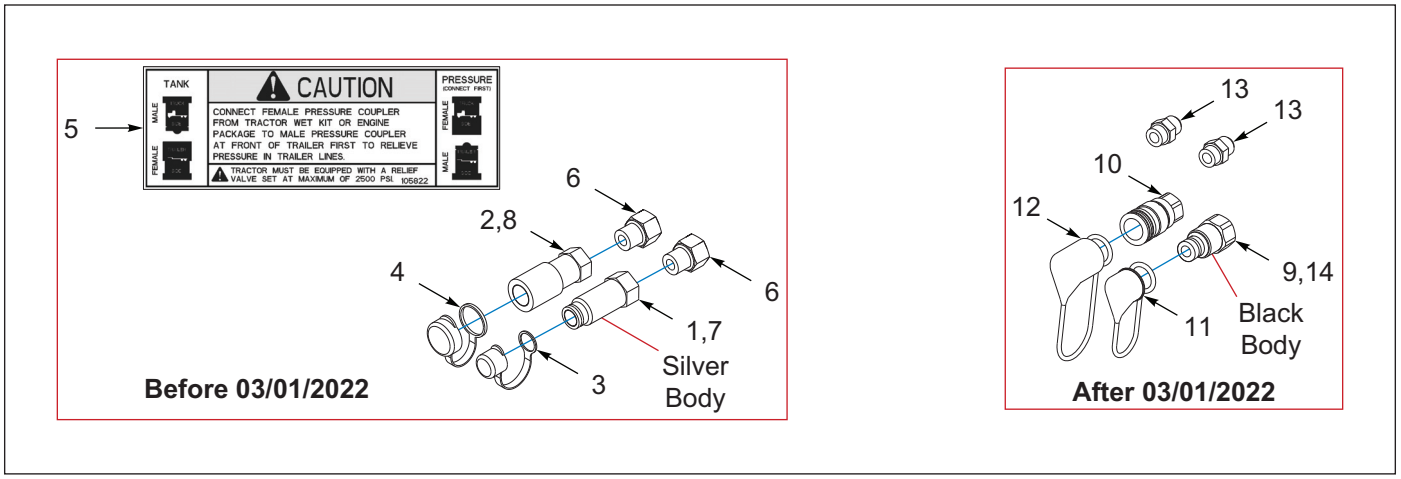


Figure 11-9: Coupler Kit, Hydraulic, Replacement & Repair

Coupler Kit, Hydraulic, Replacement & Repair

ITEM	PART NUMBER	DESCRIPTION	QTY.
	105902	HYD COUPLER KIT, PARKER **(INCLUDES ITEM 1-6) (BEFORE 03/01/2022) (AFTER 03/01/2022 DISCONTINUED)**	- -
	239705	HYD COUPLER KIT ISO **(INCLUDES ITEM 9-13) (AFTER 03/01/2022 - REPLACES 105902) (REPLACEMENT COUPLERS FOR TRAILER, POWER UNIT, OR TRUCK)**	1
1	105479	COUPLER FLAT FACE MALE NOSE **(REPAIRABLE, SEE ITEM 7) (BEFORE 03/01/2022 -SILVER BODY)**	- -
2	105480	COUPLER FLAT FACE FEMALE BODY **(REPAIRABLE, SEE ITEM 8) (BEFORE 03/01/2022)**	- -
3	105481	COUPLER DUST CAP MALE **(BEFORE 03/01/2022)**	1
4	105482	COUPLER DUST CAP FEMALE **(BEFORE 03/01/2022)**	1
5	105822	DECAL, HYD COUPLER **(BEFORE 03/01/2022) (AFTER 03/01/2022 NO LONGER USED)**	1
6	2216-12-12S	ADAPT 3/4-14P/1-1/16 O-RING **(BEFORE 03/01/2022) (AFTER 03/01/2022 NO LONGER USED)**	2
7	111089	REPAIR KIT FOR 105479 **(BEFORE 03/01/2022)** (INCLUDES SLIPPER SEAL, O-RING)	1
8	111090	REPAIR KIT FOR 105480 **(BEFORE 03/01/2022) (INCLUDES VALVE ASSEM, SEALING SLEEVE, BACK-UP RING, O-RING)**	1
9	239677	COUPLER FL FACE ISO -12 MALE **(REPAIRABLE, SEE ITEM 14) (AFTER 03/01/2022- BLACK BODY) (INCLUDED WITH KIT 239705)**	1
10	239678	COUPLER FL FACE ISO -12 FEMALE **(NON-REPAIRABLE) (AFTER 03/01/2022) (INCLUDED WITH KIT 239705)**	1
11	239679	DUST CAP -12 ISO MALE COUPLER **(AFTER 03/01/2022) (INCLUDED WITH KIT 239705)**	1
12	239680	DUST CAP FEMALE COUPLER -12ISO **(AFTER 03/01/2022) (INCLUDED WITH KIT 239705)**	1
13	202702-12-12S	ADAPTER,#12 O-RING X #12 TUBE **(INCLUDED WITH KIT 239705) (USED TO ADAPT ISO COUPLERS TO -12 FEMALE JIC END TRUCK HOSES)**	2
14	238634	KIT O-RING MALE ISO-12 QD **(INCLUDES BACK-UP RING, O-RING) (AFTER 03/01/2022 - NEW MALE KIT)**	1

Cylinder Assembly, Undercarriage, Hi-Flow

IMPORTANT: When ordering a complete Cylinder Assembly, call and provide the Trailer VIN Number to identify the proper replacement.

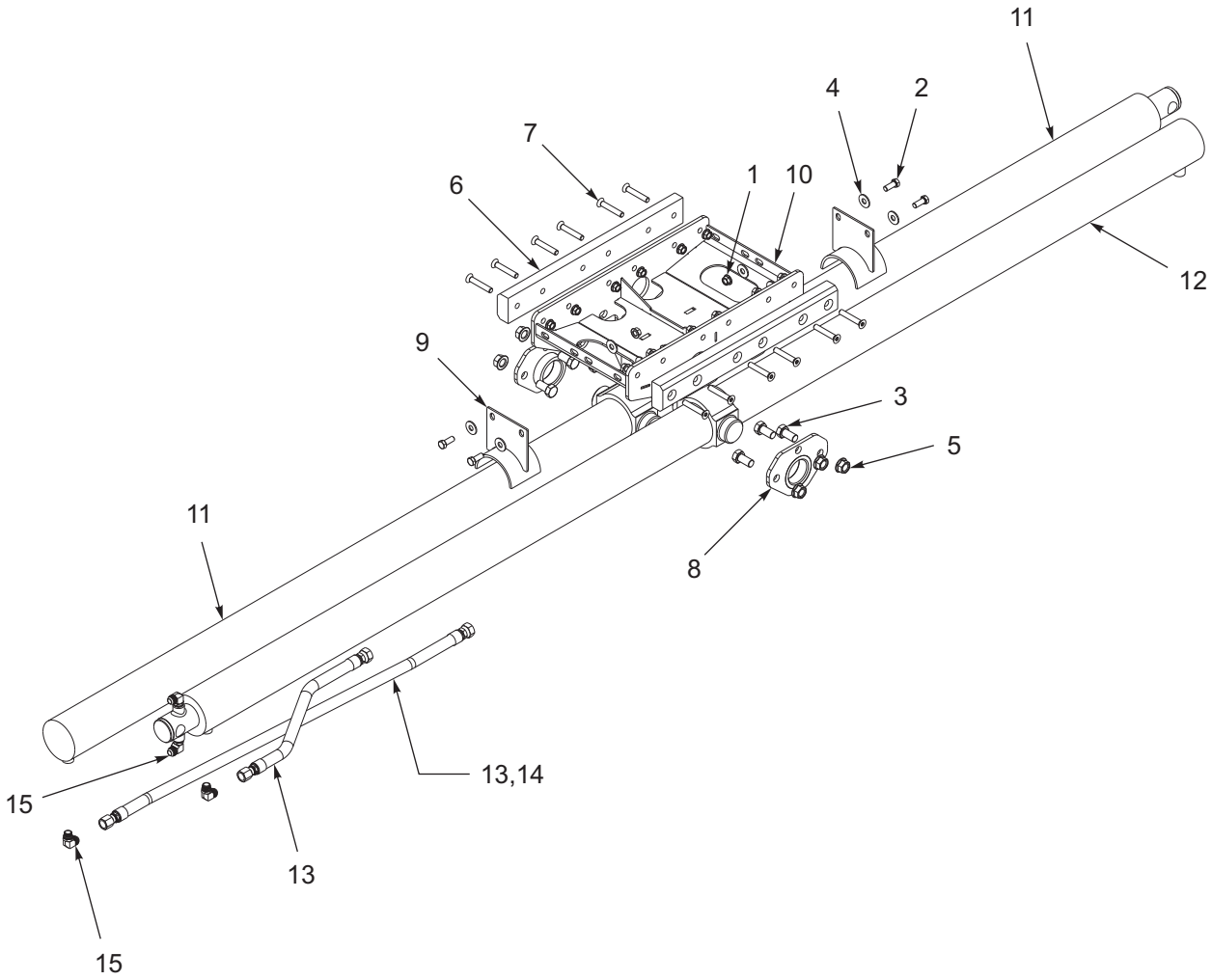


Figure 11-10: Cylinder Assembly, Undercarriage, Hi-Flow

Cylinder Assembly, Undercarriage, Hi-Flow

ITEM	PART NUMBER	DESCRIPTION	QTY.
	189258	CYL ASSY, U/C 440A-50CA **(CY1)**	- -
	189259	CYL ASSY, U/C 440A-53 **(CY2)**	- -
	189261	CYL ASSY, U/C 440A-48/455A-50CA **(CY3)**	- -
	189262	CYL ASSY, U/C 440A-41 **(CY4)**	- -
	189267	CYL ASSY, U/C 455-48/50CA **(CY5)**	- -
1	1-510-010003-09	NUT, FLG HD, SERR 1/2-13 UNC	16
2	1-654-010055-02	SCREW, HEX 1/2-13 UNC X 1-1/4 GR5	4
3	1-654-010061-03	SCREW, HEX 3/4-10 UNC X 1-1/2 GR5	6
4	1-861-010032-15	WASHER, FLAT ZP/CD, 1/2W	8
5	103841	NUT, FLG PREVAILING TRQ, 3/4-10	6
6	117386	NYLATRON SLIDE, U/C CYL 425	2
7	118627	SCREW, HXSKT CTSK, 1/2-13 X 3	12
8	122621	BRACKET, WLDMT CYL MT 410	2
9	142050	SADDLE, WLDMT U/C CYL TRUN	2
10	142053	MOUNT, WLDMT CYL TRUN 400	1
11	186834	CYLINDER, 4 X 138 HI FLOW **(CY1, CY2)** **(PRINCE COMPONENTS - SEE PAGE 11-27)** **(DANTAL COMPONENTS - SEE PAGE 11-28)**	1
11	189264	CYLINDER, 4 X 100 HI FLOW **(CY4)** **(PRINCE COMPONENTS - SEE PAGE 11-27)** **(DANTAL COMPONENTS - SEE PAGE 11-28)**	1
11	189265	CYLINDER, 4 X 126 HI FLOW **(CY3, CY5)** **(PRINCE COMPONENTS - SEE PAGE 11-27)** **(DANTAL COMPONENTS - SEE PAGE 11-28)**	1
12	186835	CYLINDER, 4 X 126 PORTED ROD HI FLOW **(CY1, CY3)** **(PRINCE COMPONENTS - SEE PAGE 11-29)** **(DANTAL COMPONENTS - SEE PAGE 11-30)**	1
12	189263	CYLINDER, 4 X 100 PORTED ROD HI FLOW **(CY4, CY5)** **(PRINCE COMPONENTS - SEE PAGE 11-29)** **(DANTAL COMPONENTS - SEE PAGE 11-30)**	1
12	189266	CYLINDER, 4 X 138 PORTED ROD HI FLOW **(CY2)** **(PRINCE COMPONENTS - SEE PAGE 11-29)** **(DANTAL COMPONENTS - SEE PAGE 11-30)**	1
13	189304	HOSE ASSY, 1/2 X 24, SAE 37 STR-STR **(CY1, CY2, CY5, REQ 1) (CY4, REQ 2)**	- -
13	189305	HOSE ASSY, 1/2 X 36, #10 - #12 JIC **(CY3)**	2
14	189306	HOSE ASSY, 5/8 X 39, #10 - #12 JIC **(CY5)**	1
14	189307	HOSE ASSY, 5/8 X 48, #10 - #12 JIC **(CY1, CY2)**	1
15	189302	ADAPTER, 90 #8 O-RING, #10 TUBE	4

Cylinder Components, 2-1/2 x 2-3/4 (Option)

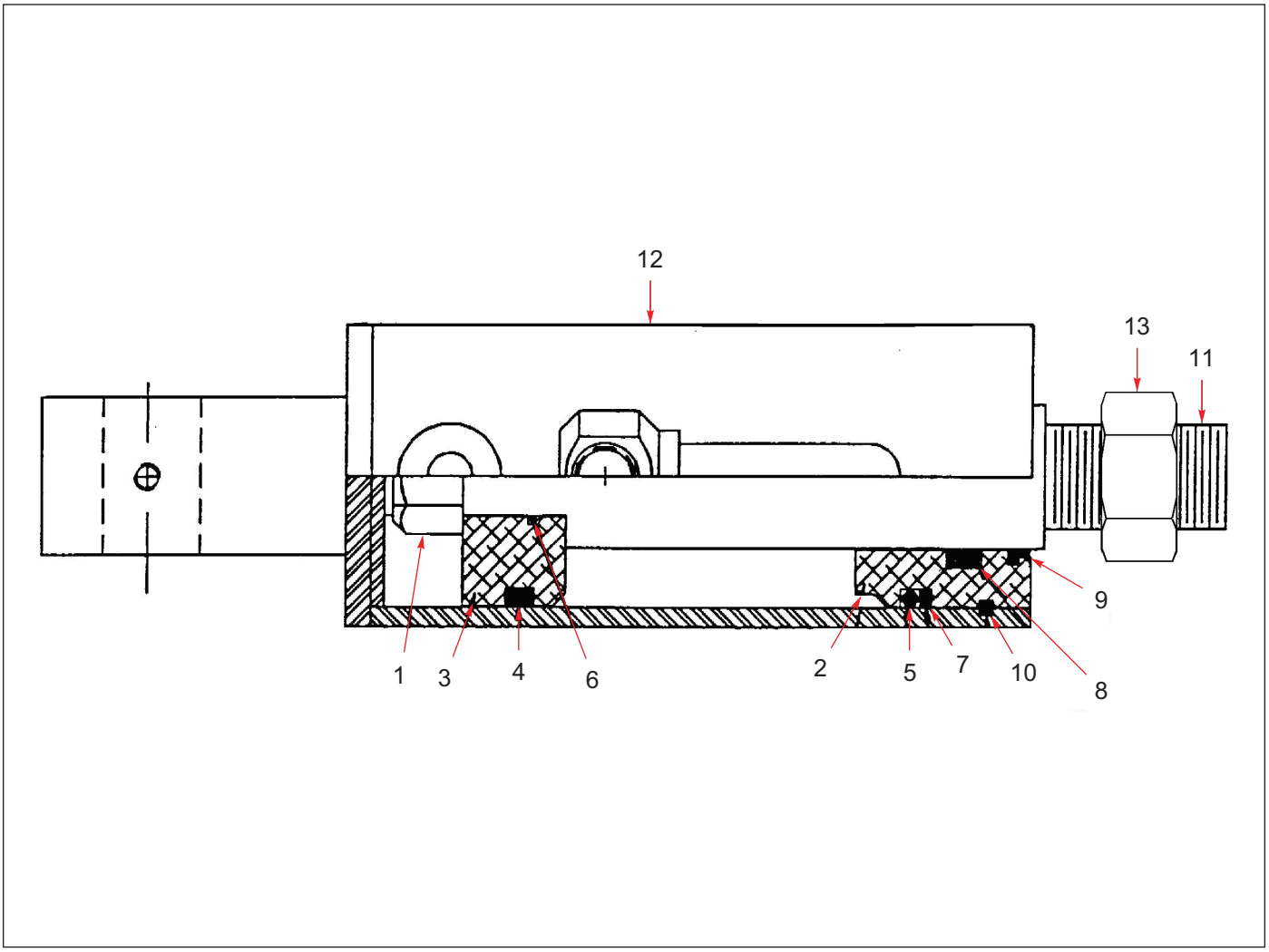


Figure 11-11: Cylinder Components, 2-1/2 x 2-3/4 (Option)

Cylinder Components, 2-1/2 x 2-3/4 (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	0047008	CYLINDER, TILT, BENDI	- -
1	0047008-01	NUT	1
2	0047008-02	HEAD	1
3	0047008-03	PISTON	1
4	- - - - -	PSP SEAL	1
5	- - - - -	O-RING	1
6	- - - - -	O-RING	1
7	- - - - -	BACKUPS	1
8	- - - - -	POLY-PAK	1
9	- - - - -	DUST SEAL	1
10	0047008-10	RETAINING RING	1
11	0047008-11	SHAFT	1
12	0047008-12	BARREL W/CLEVIS & POSTS	1
13	0047008-13	NUT	1
14	0047008/RK	REPAIR KIT (TILT CYL) **(INCLUDES ITEMS 4-9)**	1

Cylinder Components, 3-1/2 x 20 (Option)

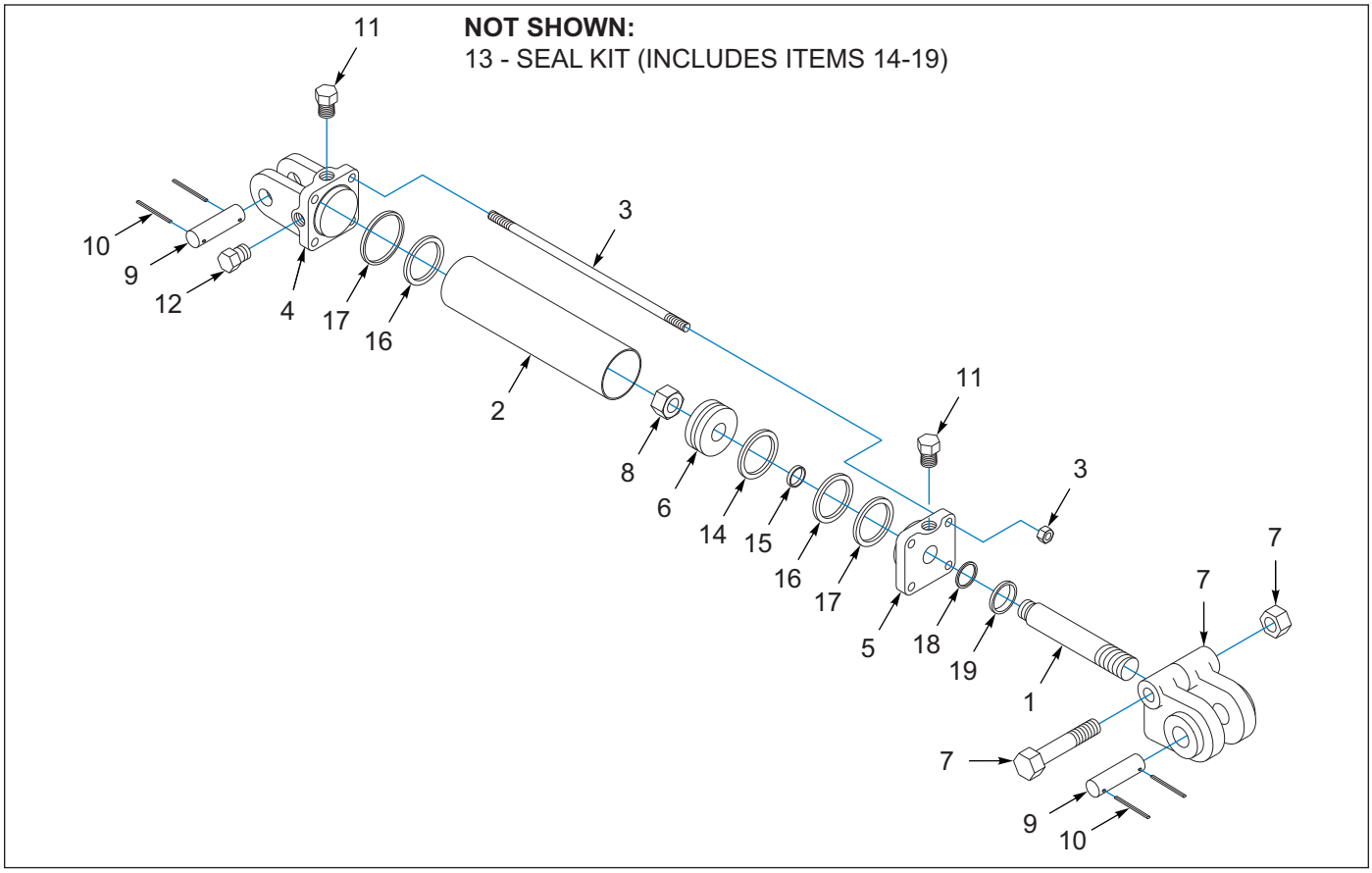
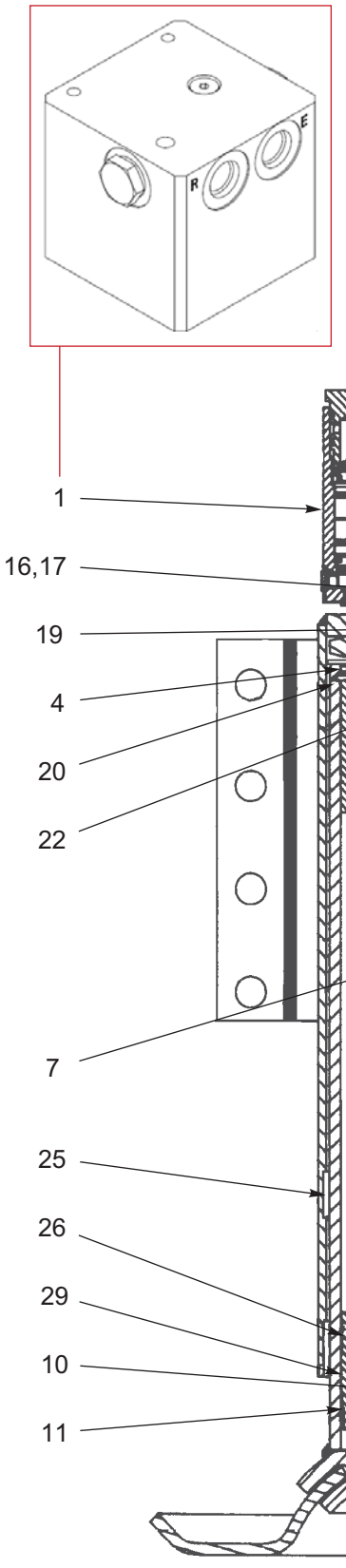


Figure 11-12: Cylinder Components, 3-1/2 x 20 (Option)

Cylinder Components, 3-1/2 x 20 (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	1-242-010180-2	CYLINDER,HYD 3-1/2X20 3000PSI	- -
1	010700437	PISTON ROD 3-1/2X20 SAE33520	1
2	- - - - -	TUBE	1
3	- - - - -	TIE ROD ASSY **(INCLUDES 1 TIE ROD & 1 NUT)**	4
4	141700023	ANCHOR GLAND	1
5	111870	GLAND 9800 #081700255	1
6	111866	PISTON 9800 #071700174	1
7	100000330	ASSY, CLEVIS **(INCLUDES 1 BOLT & 1 NUT)**	1
8	220000210	LOCK NUT 4X8 OR 4X24 PRINCE	1
9	190400004	CYLINDER PIN 4IN KIT **(INCLUDES 2 PINS & ITEM 10, 2 EACH)**	2
10	106120	COTTER PIN #220001504 **(INCLUDED WITH ITEM 19)**	4
11	- - - -	PLASTIC PLUG	2
12	200300040	PLUG O-RING 1-242-010120	1
13	1-242-010178-2	CYLINDER PKG KIT 3000 PSI3.5" **(INCLUDES ITEMS 14-19)**	1
14	- - - - -	CROWN SEAL **(INCLUDED WITH ITEM 13)**	1
15	- - - - -	O-RING **(INCLUDED WITH ITEM 13)**	1
16	- - - - -	O-RING **(INCLUDED WITH ITEM 13)**	2
17	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 13)**	2
18	- - - - -	U-CUP **(INCLUDED WITH ITEM 13)**	1
19	- - - - -	WIPER **(INCLUDED WITH ITEM 13)**	1

Cylinder Components, 4 x 15 (Option)



NOT SHOWN:
13 - Mounting Clamp
32 - Seal Kit, Leg (Items 14-31)

Image courtesy of the cylinder manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-13: Cylinder Components, 4 x 15 (Option)

Cylinder Components, 4 x 15 (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-242-010205	CYLINDER,HYD,DK LVLR, 4X15	- -
1	165768	RETROFIT KIT **(STABILIZER COUNTER BALANCE VALVE)**	1
2	- - - - -	SCREW, HEX HEAD CAP	1
3	- - - - -	LOCK WASHER	1
4	15-1012	BOLT HEX CAP	4
5	100279	BAR FL 5/8X6X30.625 80M	1
6	100276	ROD GUIDE 4IN	1
7	- - - - -	PISTON ROD **(MODEL# & PART DESCRIPTION REQUIRED, CALL FOR ASSISTANCE)**	1
8	- - - - -	WELL TUBE **(MODEL# & PART DESCRIPTION REQUIRED, CALL FOR ASSISTANCE)**	1
9	- - - - -	GREASE FITTING	1
10	- - - - -	SNAP RING	1
11	- - - - -	PISTON **(MODEL# & PART DESCRIPTION REQUIRED, CALL FOR ASSISTANCE**	1
12	- - - - -	CYLINDER TUBE **(MODEL# & PART DESCRIPTION REQUIRED, CALL FOR ASSISTANCE**	1
13	100348	MTG BRKT FOR CYL 3-242-010058 **(NOT SHOWN)**	1
14	- - - - -	O-RING **(INCLUDED WITH ITEMS 32, 33)**	1
15	- - - - -	BACK-UP WASHER **(INCLUDED WITH ITEMS 32, 33)**	2
16	- - - - -	O-RING **(INCLUDED WITH ITEMS 32, 33)**	1
17	- - - - -	BACK-UP WASHER **(INCLUDED WITH ITEMS 32, 33)**	1
18	- - - - -	SNAP RING 2" ROD **(INCLUDED WITH ITEMS 33)**	1
19	- - - - -	O-RING **(INCLUDED WITH ITEMS 33)**	1
20	- - - - -	RETAINING RING **(INCLUDED WITH ITEMS 33)**	1
21	- - - - -	OIL SEAL **(INCLUDED WITH ITEMS 33)**	1
22	- - - - -	ROD SEAL **(INCLUDED WITH ITEMS 33)**	1
23	- - - - -	O-RING **(INCLUDED WITH ITEMS 33)**	1
24	- - - - -	BACK-UP WASHER **(INCLUDED WITH ITEMS 33)**	1
25	- - - - -	WEAR RING **(INCLUDED WITH ITEMS 33)**	2
26	- - - - -	PISTON SEAL **(INCLUDED WITH ITEMS 33)**	1
27	- - - - -	O-RING **(INCLUDED WITH ITEMS 33)**	1
28	- - - - -	BACK-UP WASHER **(INCLUDED WITH ITEMS 33)**	2
29	- - - - -	WEAR RING **(INCLUDED WITH ITEMS 33)**	1
30	- - - - -	NYLON BALL **(INCLUDED WITH ITEMS 33)**	1
31	- - - - -	SET SCREW **(INCLUDED WITH ITEMS 33)**	1
32	100422	KIT, LEG REPAIR **(KIT INCLUDES ITEMS 14-31)**	1

Cylinder Components, 4 X 100, 126, 135, Hi-Flow, Prince

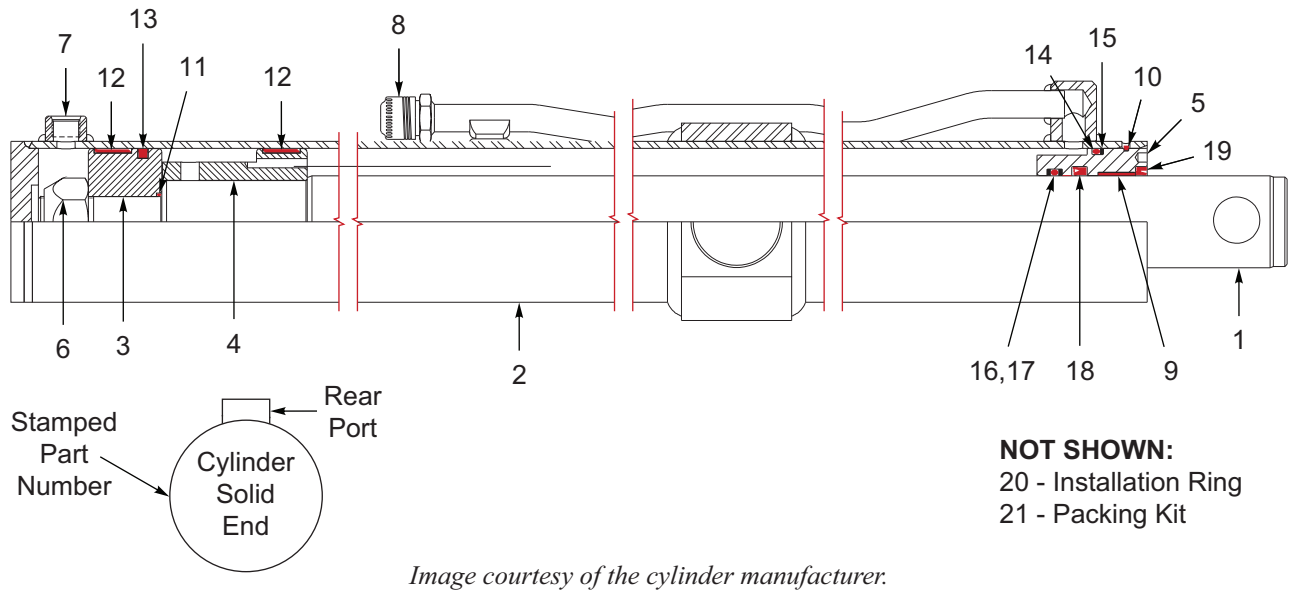


Image courtesy of the cylinder manufacturer.
Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-14: Cylinder Components, 4 x 100, 126, 138, Hi-Flow, Prince

Cylinder Components, 4 X 100, 126, 135, Hi-Flow, Prince

ITEM	PART NUMBER	DESCRIPTION	QTY.
	189264	CYLINDER 4X100 HI FLOW **(PRINCE, BLACK)**	1
	189265	CYLINDER 4X126 HI FLOW **(PRINCE, BLACK)**	1
	186834	CYLINDER 4X138 HI FLOW **(PRINCE, BLACK)**	1
1	- - - - -	PISTON ROD	1
2	- - - - -	BUTT & TUBE ASSEMBLY	1
3	- - - - -	PISTON	1
4	- - - - -	PISTON	1
5	- - - - -	GLAND	1
6	- - - - -	LOCKNUT	1
7	- - - - -	SHIPPING PLUG	1
8	- - - - -	JIC CAP	1
9	- - - - -	DX BUSHING	1
10	- - - - -	SQ RETAINING RING **(INCLUDED WITH ITEM 21)**	1
11	- - - - -	O-RING **(INCLUDED WITH ITEM 21)**	1
12	- - - - -	BEARING RING **(INCLUDED WITH ITEM 21)**	2
13	- - - - -	TEFLON SEAL ASSEMBLY **(INCLUDED WITH ITEM 21)**	1
14	- - - - -	O-RING **(INCLUDED WITH ITEM 21)**	1
15	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 21)**	1
16	- - - - -	O-RING **(INCLUDED WITH ITEM 21)**	1
17	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 21)**	2
18	- - - - -	U-CUP **(INCLUDED WITH ITEM 21)**	1
19	- - - - -	WIPER **(INCLUDED WITH ITEM 21)**	1
20	- - - - -	INSTALLATION RING **(INCLUDED WITH ITEM 21)**	1
21	201631	PACKING KIT 189263,64,65,66 **(KIT INCLUDES ITEMS 10-20)**	1

Cylinder Components, 4 X 100, 126, 135, Hi-Flow, Dantal

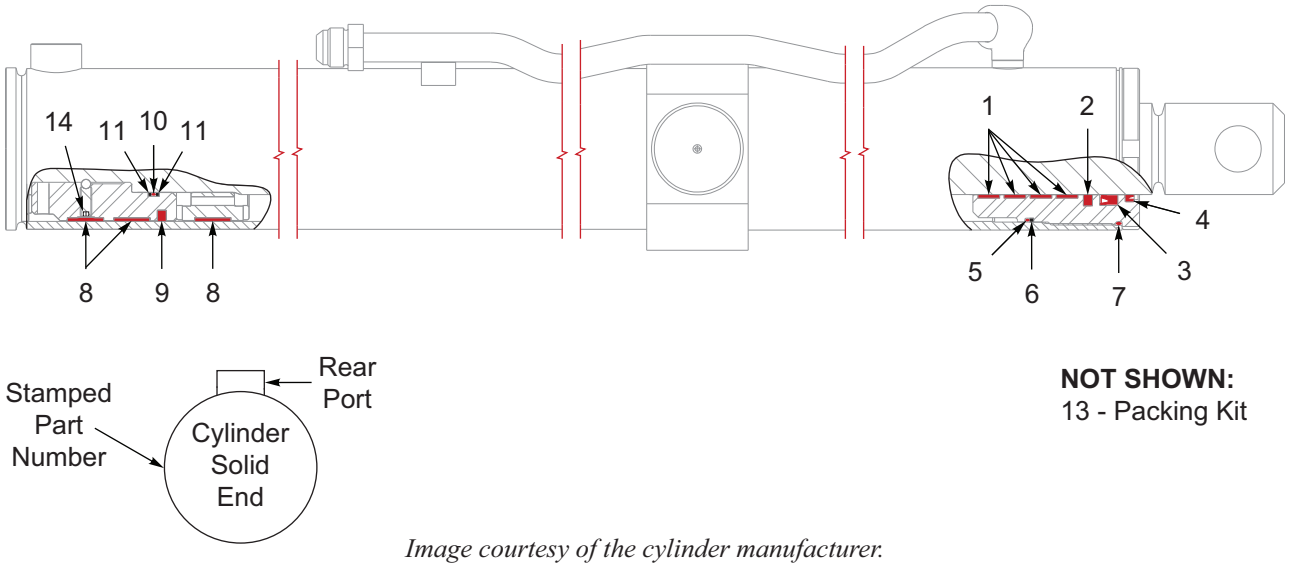


Image courtesy of the cylinder manufacturer.
Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-15: Cylinder Components, 4 x 100, 126, 135, Hi-Flow, Dantal

Cylinder Components, 4 X 100, 126, 135, Hi-Flow, Dantal

ITEM	PART NUMBER	DESCRIPTION	QTY.
	204191	CYLINDER, 4 X 100 CNP ROD **(DANTAL, COBALT BLUE)**	1
	186809	CYLINDER, 4 X 126 CNP ROD **(DANTAL, COBALT BLUE)**	1
	204193	CYLINDER, 4 X 138 CNP ROD **(DANTAL, COBALT BLUE)**	1
1	- - - - -	GLAND SLYDRING	4
2	- - - - -	BUFFER SEAL	1
3	- - - - -	ROD SEAL	1
4	- - - - -	WIPER SEAL	1
5	- - - - -	O-RING	1
6	- - - - -	BACK UP RING	1
7	- - - - -	O-RING	1
8	- - - - -	PISTON SLYDRING	3
9	- - - - -	PISTON SEAL GLYDRING	1
10	- - - - -	O-RING	1
11	- - - - -	RACK UP RING	2
13	208073	PACKING KIT, DANTAL CYLINDER	1
14	- - - - -	LOCK WITH BALL & GRUB SCREW	- -

Cylinder Components, 4 X 100, 126, 135, Hi-Flow, Ported Rod, Prince

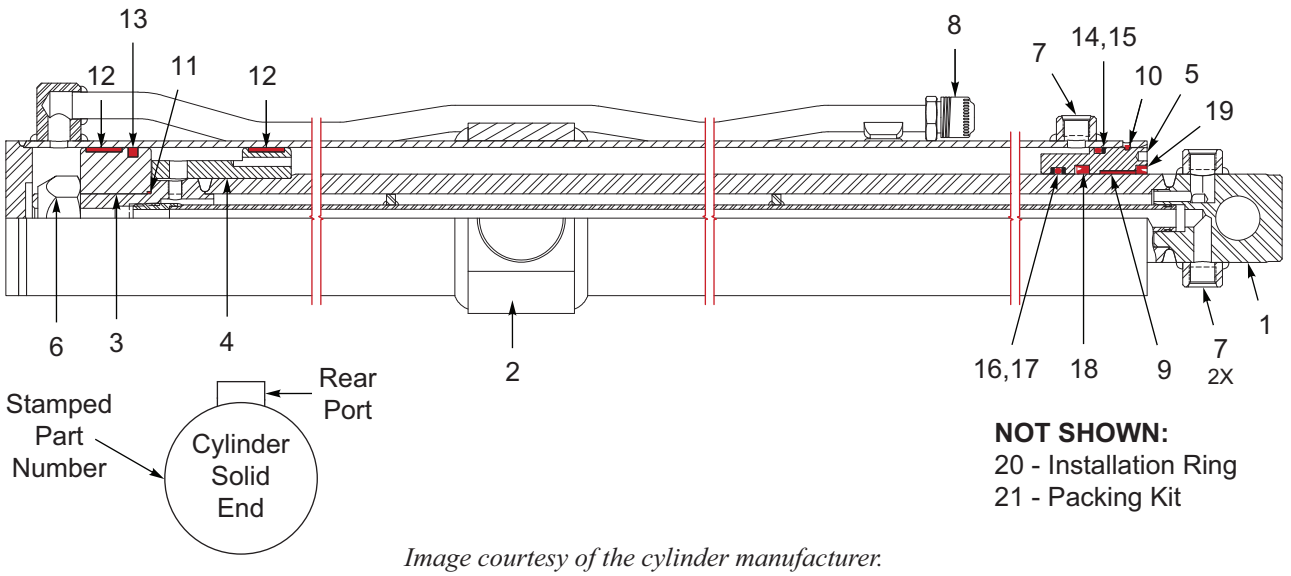


Image courtesy of the cylinder manufacturer.
Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-16: Cylinder Components, 4 x 100, 126, 138, Hi-Flow, Ported Rod, Prince

Cylinder Components, 4 X 100, 126, 135, Hi-Flow, Ported Rod, Prince

ITEM	PART NUMBER	DESCRIPTION	QTY.
	189263	CYLINDER, PORTED ROD HI FLOW, 4 X 100 **(PRINCE, BLACK)**	1
	186835	CYLINDER, PORTED ROD HI FLOW, 4 X 126 **(PRINCE, BLACK)**	1
	189266	CYLINDER, PORTED ROD HI FLOW, 4 X 138 **(PRINCE, BLACK)**	1
1	- - - - -	PISTON ROD	1
2	- - - - -	BUTT & TUBE ASSEMBLY	1
3	- - - - -	PISTON	1
4	- - - - -	PISTON	1
5	- - - - -	GLAND	1
6	- - - - -	LOCKNUT	1
7	- - - - -	SHIPPING PLUG	3
8	- - - - -	JIC CAP	1
9	- - - - -	DX BUSHING	1
10	- - - - -	SQ RETAINING RING **(INCLUDED WITH ITEM 21)**	1
11	- - - - -	O-RING **(INCLUDED WITH ITEM 21)**	1
12	- - - - -	BEARING RING **(INCLUDED WITH ITEM 21)**	2
13	- - - - -	TEFLON SEAL ASSEMBLY **(INCLUDED WITH ITEM 21)**	1
14	- - - - -	O-RING **(INCLUDED WITH ITEM 21)**	1
15	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 21)**	1
16	- - - - -	O-RING **(INCLUDED WITH ITEM 21)**	1
17	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 21)**	2
18	- - - - -	U-CUP **(INCLUDED WITH ITEM 21)**	1
19	- - - - -	WIPER **(INCLUDED WITH ITEM 21)**	1
20	- - - - -	INSTALLATION RING **(INCLUDED WITH ITEM 21)**	1
21	201631	PACKING KIT 189263,64,65,66 **(KIT INCLUDES ITEMS 10-20)**	1

Cylinder Components, 4 X 100, 126, 135, Hi-Flow, Ported Rod, Dantal

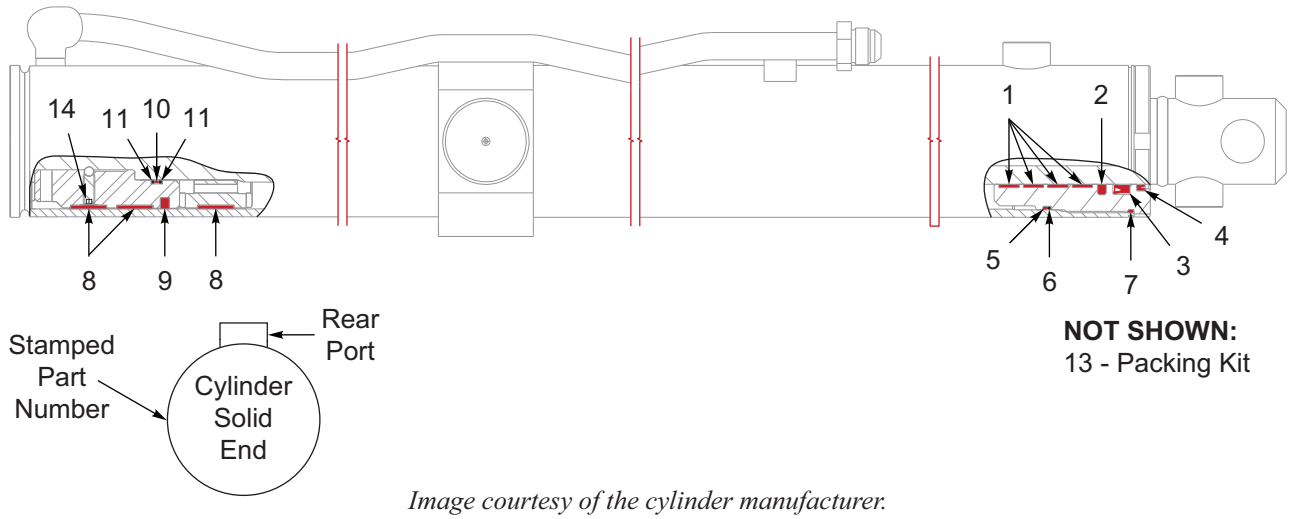


Image courtesy of the cylinder manufacturer.
Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-17: Cylinder Components, 4 x 100, 126, 138, Hi-Flow, Ported Rod, Dantal

Cylinder Components, 4 X 100, 126, 135, Hi-Flow, Ported Rod, Dantal

ITEM	PART NUMBER	DESCRIPTION	QTY.
	204190	CYLINDER, 4 X 100 PORTED CNP ROD **(DANTAL, COBALT BLUE)**	1
	186808	CYLINDER, 4 X 126 PORTED CNP ROD **(DANTAL, COBALT BLUE)**	1
	204192	CYLINDER, 4 X 138 PORTED CNP ROD **(DANTAL, COBALT BLUE)**	1
1	- - - - -	GLAND SLYDRING	4
2	- - - - -	BUFFER SEAL	1
3	- - - - -	ROD SEAL	1
4	- - - - -	WIPER SEAL	1
5	- - - - -	O-RING	1
6	- - - - -	BACK UP RING	1
7	- - - - -	O-RING	1
8	- - - - -	PISTON SLYDRING	3
9	- - - - -	PISTON SEAL GLYDRING	1
10	- - - - -	O-RING	1
11	- - - - -	RACK UP RING	2
13	208073	PACKING KIT, DANTAL CYLINDER	1
14	- - - - -	LOCK WITH BALL & GRUB SCREW	- -

Cylinder Components, 6 x 30

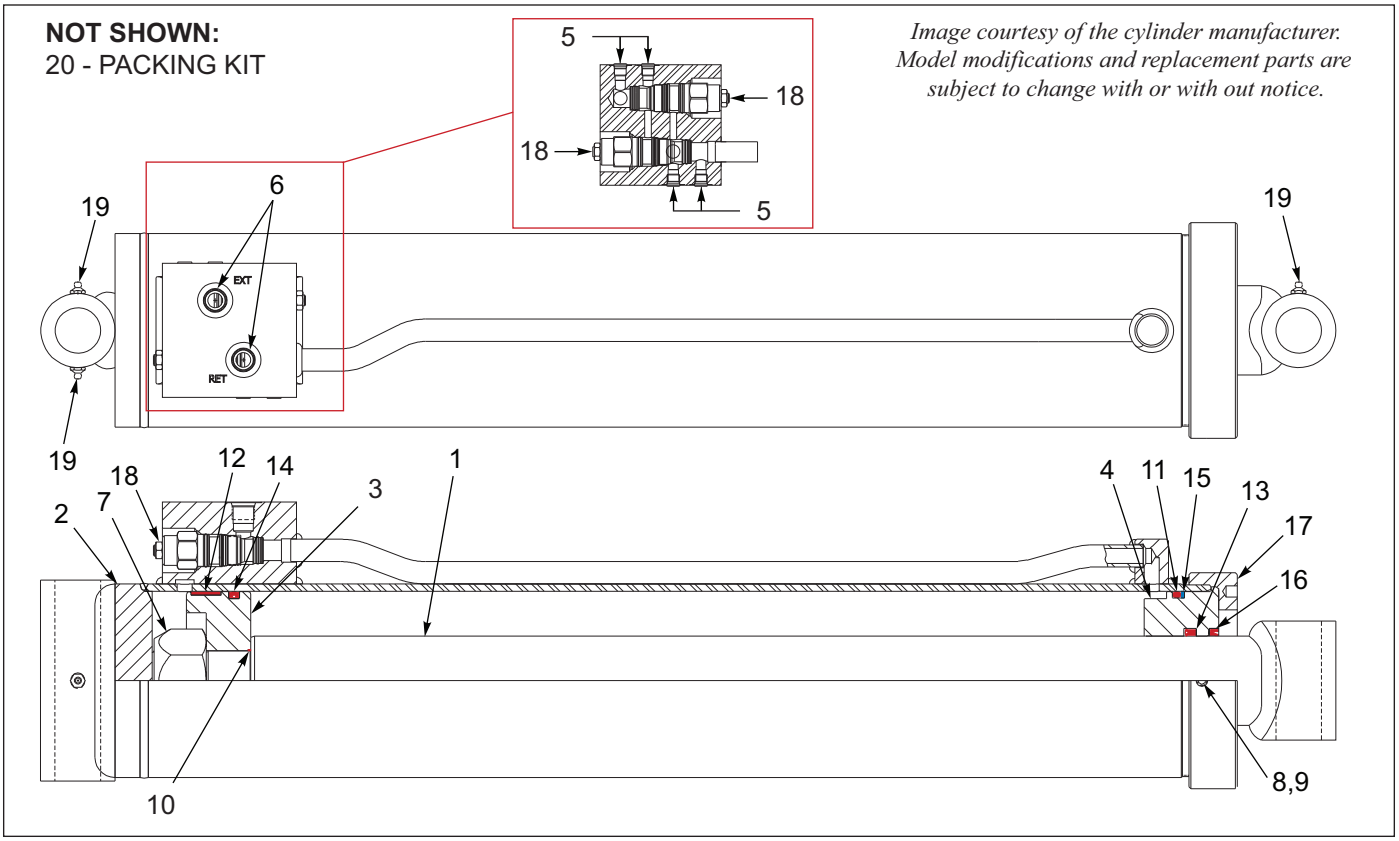


Figure 11-18: Cylinder Components, 6 x 30

Cylinder Components, 6 x 30

ITEM	PART NUMBER	DESCRIPTION	QTY.
	186807	CYLINDER,6"X41",30" STROKE, CB	1
1	- - - - -	PISTON ROD ASSEMBLY	1
2	- - - - -	BUTT & TUBE ASSEMBLY	1
3	- - - - -	PISTON	1
4	- - - - -	GLAND	1
5	- - - - -	ZERO LEAK PLUG	4
6	- - - - -	SHIPPING PLUG	1
7	- - - - -	LOCKNUT	1
8	- - - - -	FLAT POINT SET SCREW	1
9	- - - - -	NYLON LOCK	1
10	- - - - -	O-RING **(INCLUDED WITH ITEM 20)**	1
11	- - - - -	O-RING **(INCLUDED WITH ITEM 20)**	1
12	- - - - -	PISTON BEARING RING **(INCLUDED WITH ITEM 20)**	1
13	- - - - -	SYMMETRICAL U-CUP **(INCLUDED WITH ITEM 20)**	1
14	- - - - -	CROWN SEAL **(INCLUDED WITH ITEM 20)**	1
15	- - - - -	STATIC BU-WASHER **(INCLUDED WITH ITEM 20)**	1
16	- - - - -	CANNED WIPER **(INCLUDED WITH ITEM 20)**	1
17	- - - - -	GLAND CAP	1
18	218141	VONBERG,CB,30GPM 10:1 SPCL SET	2
19	- - - - -	GREASE ZERK	3
20	201633	PACKING KIT FOR 186807 **(INCLUDES ITEMS 10-16)**	1

Table provided for general use.

NOTES:

Roller Assembly, Deck, Pop-Ups (Options)

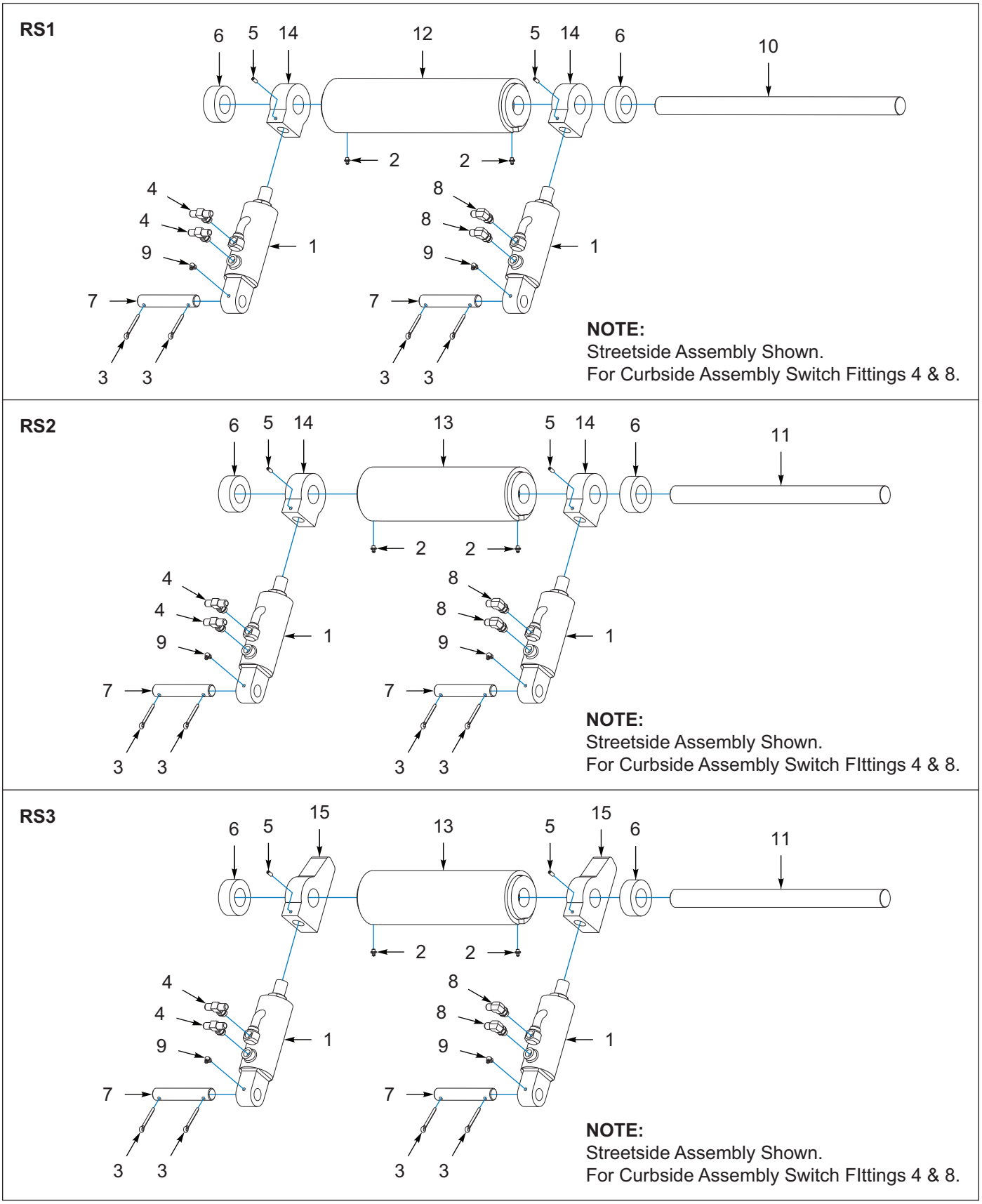


Figure 11-19: Roller Assembly, Deck, Pop-Ups (Options)

Roller Assembly, Deck, Pop-Ups (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	169845	ROLLER SUB-ASSY POP-UP **(RS1)** **(REQUIRES ITEMS 1-10, 12, 14)**	- -
	175617	ROLLER SUB-ASSY POP-UP **(RS2)** **(REQUIRES ITEMS 1-9, 11, 13-14)**	- -
	186861	ROLLER ASSY, POP-UP, 1" STOP **(RS3)** **(REQUIRES ITEMS 1-9, 11, 13, 15)**	- -
1	0047008	CYLINDER, TILT, BENDI **(INSTALLATION - SEE PAGE 2-53)** **(COMPONENTS - SEE PAGE 11-23)**	2
2	1-298-010001-1	ZERK FITTING 1/4 SAE	2
3	1-557-010362-63	PIN,COTTER 1/4X2 ZP	4
4	102-1089	SAE O-RING BOSS ADJ/37 FLARE **(TEE)**	2
5	107464	SCREW, SET 1/4-28X5/8 HX SKT	2
6	169258	ROLLER TRACK HYD DECK ROLLER	2
7	2-557-010054	PIN EXTENDED CYLINDER	2
8	2062-6-6S	ADAPTER, 90, #6SAE X #6 JIC	2
9	5410	FITTING GREASE 1/4-28 90 1911	2
10	169836	SHAFT ROLLER POP-UP **(24-7/16 INCH) (RS1)**	1
11	175620	SHAFT ROLLER POP-UP **(21-7/16 INCH) (RS2, RS3)**	1
12	187787	ROLLER WLDMT,HD PU 18-3/4 **(18-3/4 INCH) (RS1)**	1
13	187790	ROLLER WLDMT,HD PU 15-3/4 **(15-3/4 INCH) (RS2, RS3)**	1
14	169255	END CYLINDER ROLLER PIN **(RS1, RS2)**	2
15	186844	END CYLINDER ROLLER W/LUG **(RS3)**	2

Valve Assembly, 3-Spool Solenoid

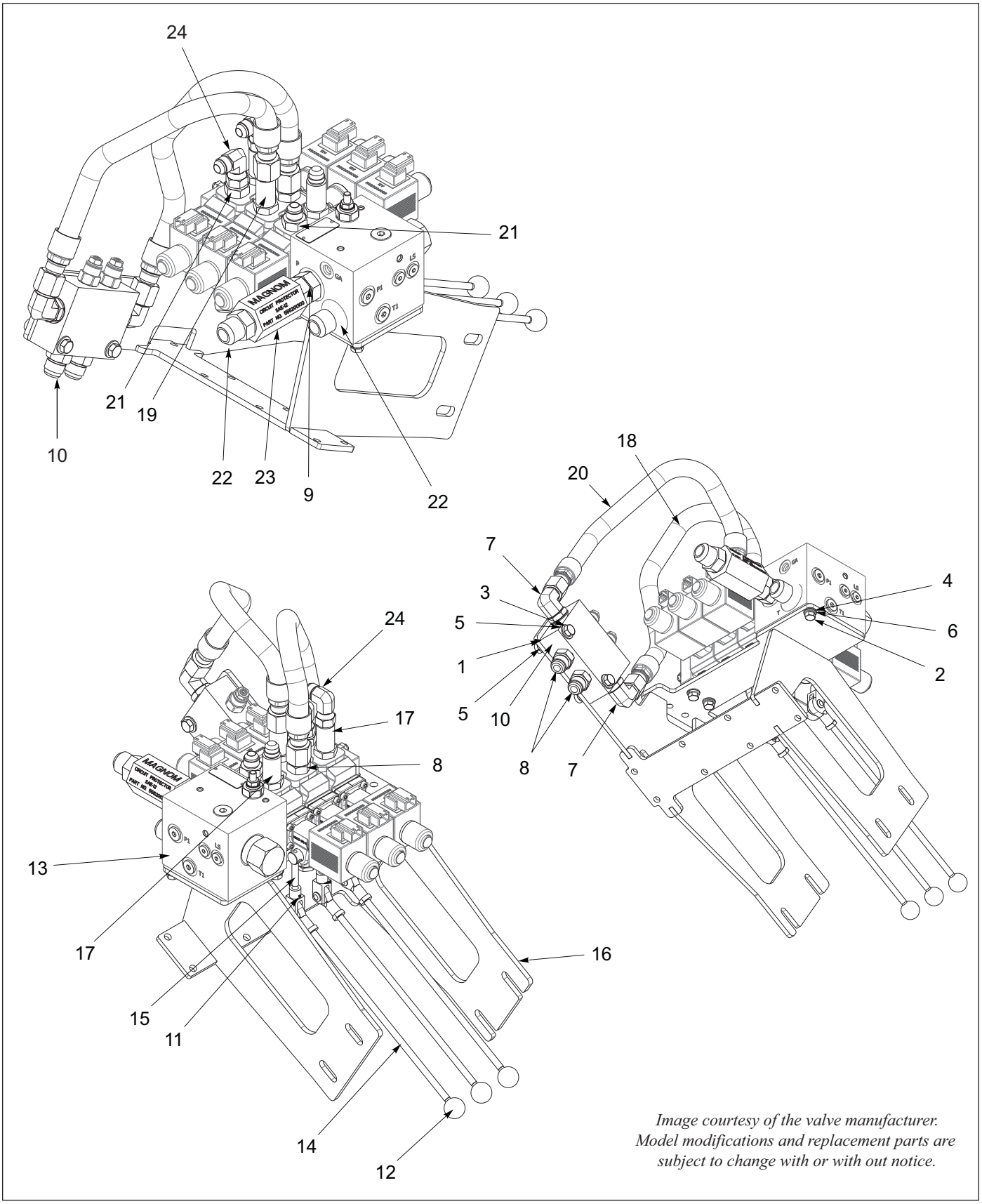


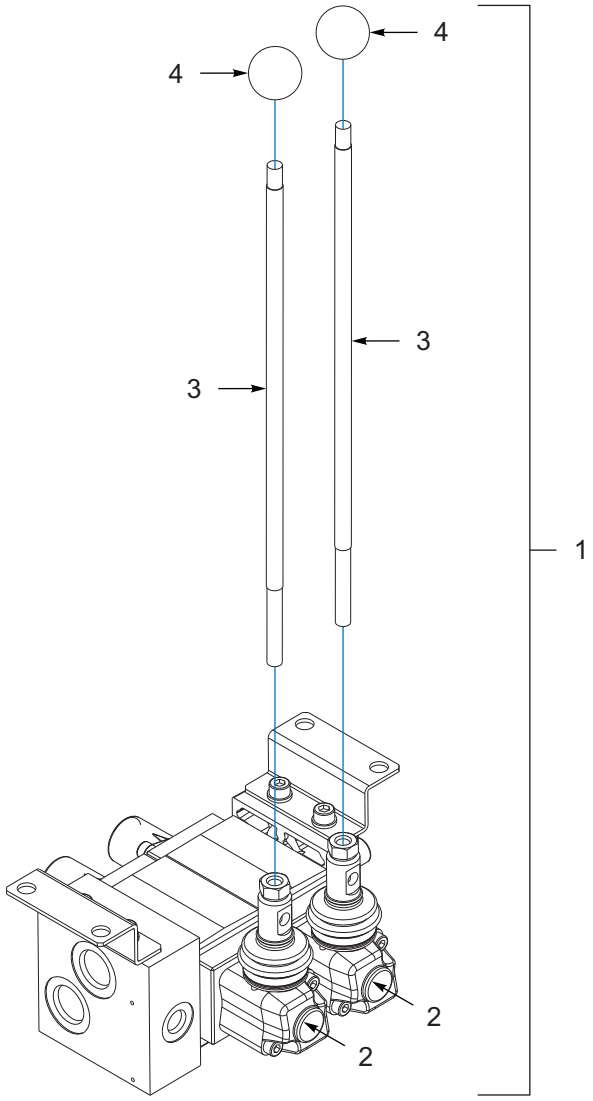
Image courtesy of the valve manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-20: Valve Assembly, 3-Spool Solenoid

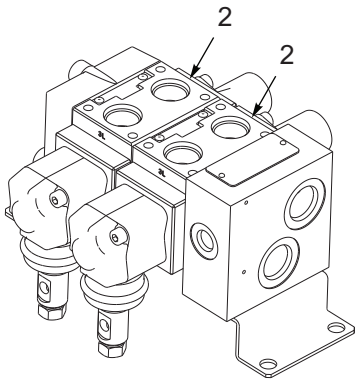
Valve Assembly, 3-Spool Solenoid

ITEM	PART NUMBER	DESCRIPTION	QTY.
	186886	VALVE ASSY, 3 SPOOL, 35 GPM SOLENOID	- -
1	1-512-010005-05	NUT, HEX SLFLKG, 3/8-16 UNC, GRB	2
2	1-654-010049-05	SCREW, HX CP 5/16-18UNCX1 GR5	4
3	1-654-010051-10	SCREW, HEX 3/8-16 UNC X 2-1/4 GR5	2
4	1-861-010032-08	WASHER, FLAT ZP/CD, 5/16N	4
5	1-861-010032-10	WASHER, FLAT ZP/CD, 3/8N	4
6	1-861-010034-10	WASHER, LKG, HLCL SPR, 5/16	
7	124511	ADAPTER, 90 #10 O-RING TO #10 JIC	2
8	137486	ADAPTER, #10 O-RING TO #10 JIC	3
9	158581	ADAPTER ST #12 ORB - #12 ORB	1
10	184585	VALVE,DUAL COUNTER BALANCE,30G **(INCLUDES 236533 - CARTRIDGE, 2 EACH)**	1
11	186875	CLEVIS JOINT, ROD ENDS M8X1.25	3
12	186877	KNOB, 1 IN ROUND, M8X1.25 THD	3
13	186885	VALVE, 3 SPOOL, SOLENOID, 35 GPM **(COMPONENTS - SEE PAGE 11-39)**	1
14	191849	HANDLE ASSY, RED KNOB	1
14	191850	HANDLE,BLACK,12",M8-125 THREAD	2
15	186902	STUD M8X1.25X65MM, DBLE THD	3
16	189256	WLDMT, CONTROL VALVE MOUNT	1
17	189285	ADAPTER STR LONG #10ORB #8MJIC	2
18	189299	HOSE ASSY 5/8X19 SAE 37 #10 STR	1
19	189301	ADAPTER STR LONG #10ORB #10MJIC	1
20	196784	HOSE ASSY 5/8X21 SAE 37 #10 STR	1
21	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
22	202702-12-12S	ADAPTER, #10 O-RING #12 TUBE	2
23	204124	FILTER HYD IN-LINE MAGNETIC SAE#12	1
24	2071-8-8S	ADAPTER, 90 #8 FLR SWIVEL, #8 JIC	2

Valve Components, 2-Spool, Motor, Manual (Option)



Left Front View



Valve Bottom View

NOT SHOWN:
5 - Kit, Seal

Figure 11-21: Valve Components, 2-Spool, Motor, Manual (Option)

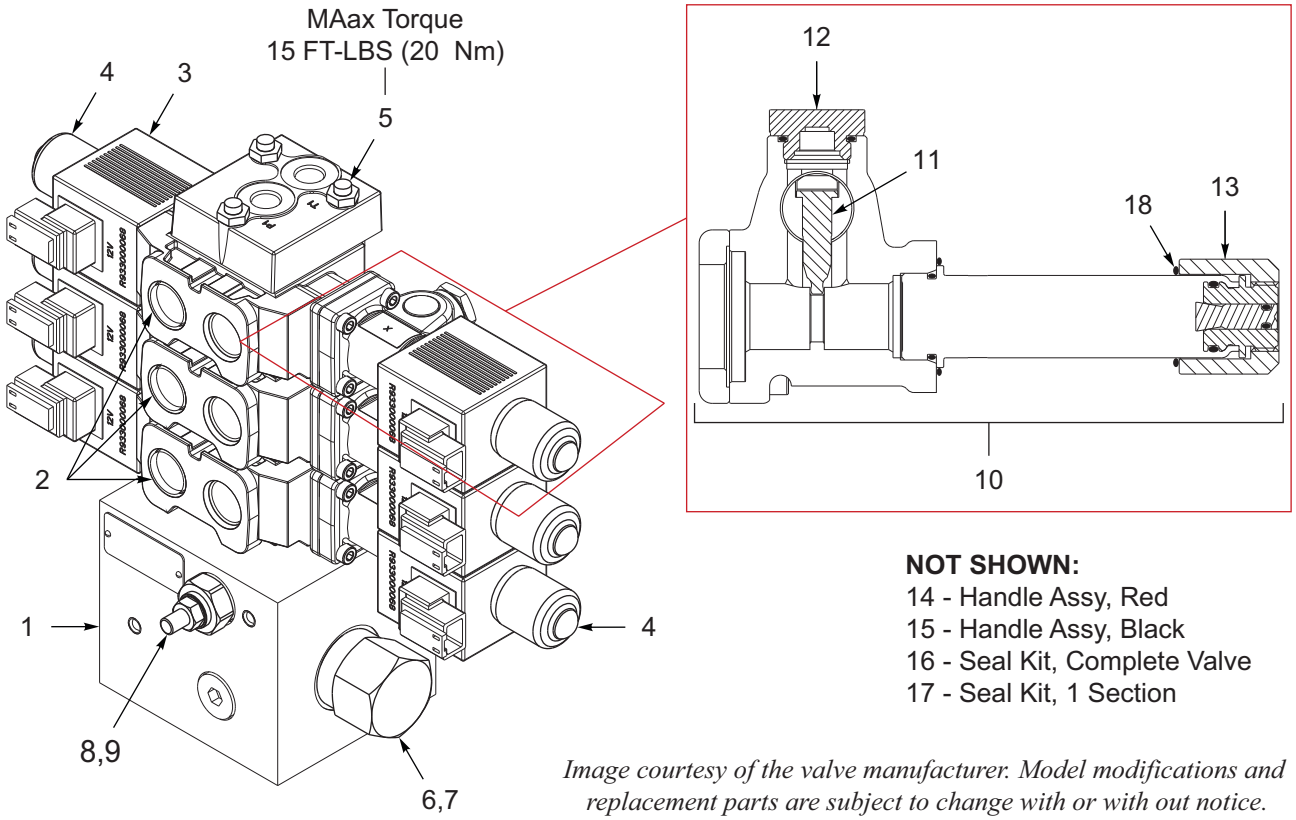
Valve Components, 2-Spool, Motor, Manual (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	189260	VALVE, 2 SPOOL, MOTOR, MANUAL **(INCLUDES ITEMS 2-4)**	1
2	193448	SECTION,MANUAL, MOTOR, 8 GPM **(INCLUDED WITH ITEM 1)**	2
3	191850	HANDLE,BLACK,12",M8-125 THREAD **(INCLUDED WITH ITEM 1)** **(INCLUDES ITEM 4)**	2
4	186877	KNOB BLACK 1" ROUND M8X1.25THD **(INCLUDED WITH ITEMS 1, 3)**	2
5	193442	SEAL KIT, 1 SECTION, 3 SEALS **(NOT SHOWN)**	1

Table provided for general use.

NOTES:

Valve Components, 3-Spool Solenoid



NOT SHOWN:
14 - Handle Assy, Red
15 - Handle Assy, Black
16 - Seal Kit, Complete Valve
17 - Seal Kit, 1 Section

Image courtesy of the valve manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-22: Valve Components, 3-Spool Solenoid

Valve Components, 3-Spool Solenoid

ITEM	PART NUMBER	DESCRIPTION	QTY.
	186885	VALVE, 3 SP, MOTOR, SOLENOID	1
1	191847	INLET,REXROTH VALVE	1
2	191848	SECTION, SOLENOID,MOTOR,20GPM	3
3	193400	SOLENOID, COIL, DUETSCH	6
4	193401	BOOT RUBBER, SOLE,MANUAL OVRDE	6
5	193402	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)**	3
11	204189	SET SCREW HANDLE ACTUATOR BALL **(INCLUDED WITH ITEM 10)**	3
12	208391	PLUG LEVER BOX **(INCLUDED WITH ITEM 10)**	3
13	208392	COIL NUT LEVER BOX **(INCLUDED WITH ITEM 10)**	3
14	191849	HANDLE,RED,12",M8-125 THREAD **(WINCH CONTROL)** **(INCLUDES ROD & RED KNOB 208386)**	1
15	191850	HANDLE,BLACK,12",M8-125 THREAD **(INCLUDES ROD & BLACK KNOB 186877)**	2
16	216601	SEAL KIT COMPLETE REXROTH VALV **(INCLUDES ITEMS 17-18)**	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

Chapter 12

TABLE OF CONTENTS

Glossary

For clarity this glossary of industry standard abbreviations and their definitions are provided.

A

A/R . . . . . Air Ride
ABS . . . . . Anti-Lock Brakes
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

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

Chapter 13
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.

AAABBBCDEFGHJJJJJ

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:

Landoll Company,LLC
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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 VÈHICULE 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 440B/455B Trailers

Manual Number	Manual Type
F-1013	Operator's Manual
F-1003	Parts Manual

Document Control Revision Log:

Date	Form #	Improvement(s): Description and Comments
11/04/2025	F-1003-2511	Table of Contents Format Change. Updated with Corrections, Updates and ECN's.

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

440B / 455B

Travel Axle Trailer

Re-Order Part Number F-1003

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