343B / 344
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

DATA PLATE

The Data Plate, which lists the model number and serial number, is located on the front of the frame.

SERIAL NUMBER

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

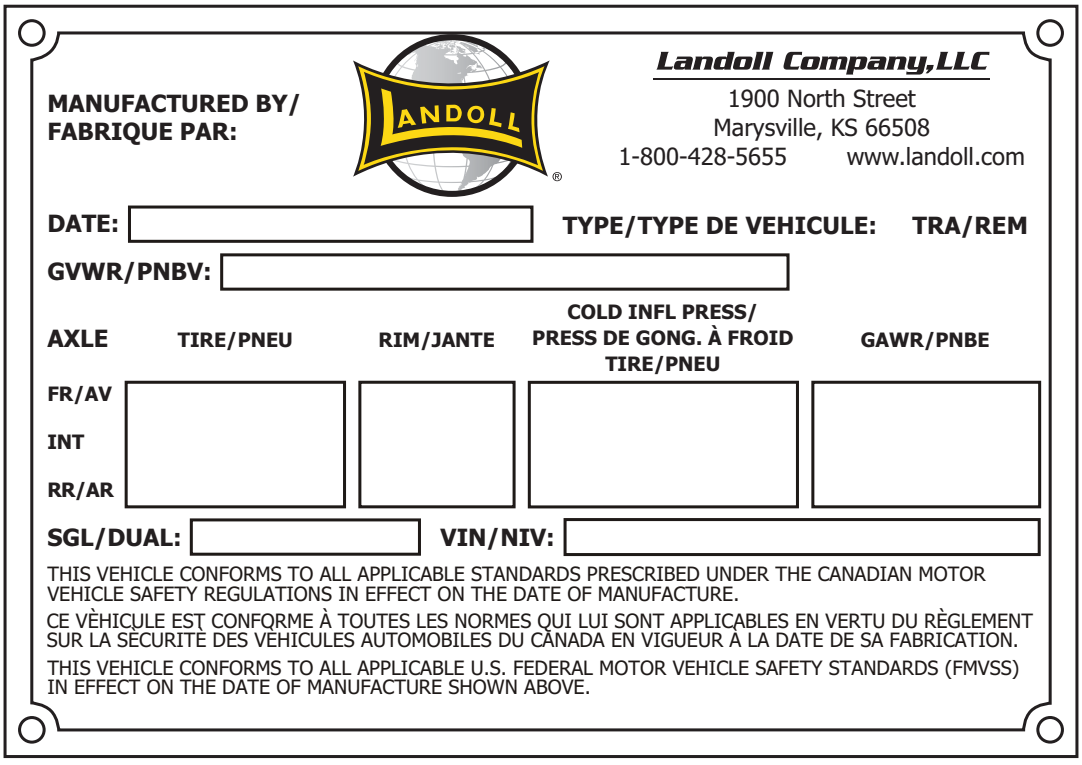


Figure: Data Plate and Location

Manuals for 343B/344 Trailers

Manual Number	Manual Type
F-1177	Operator's Manual
F-1178	Parts Manual

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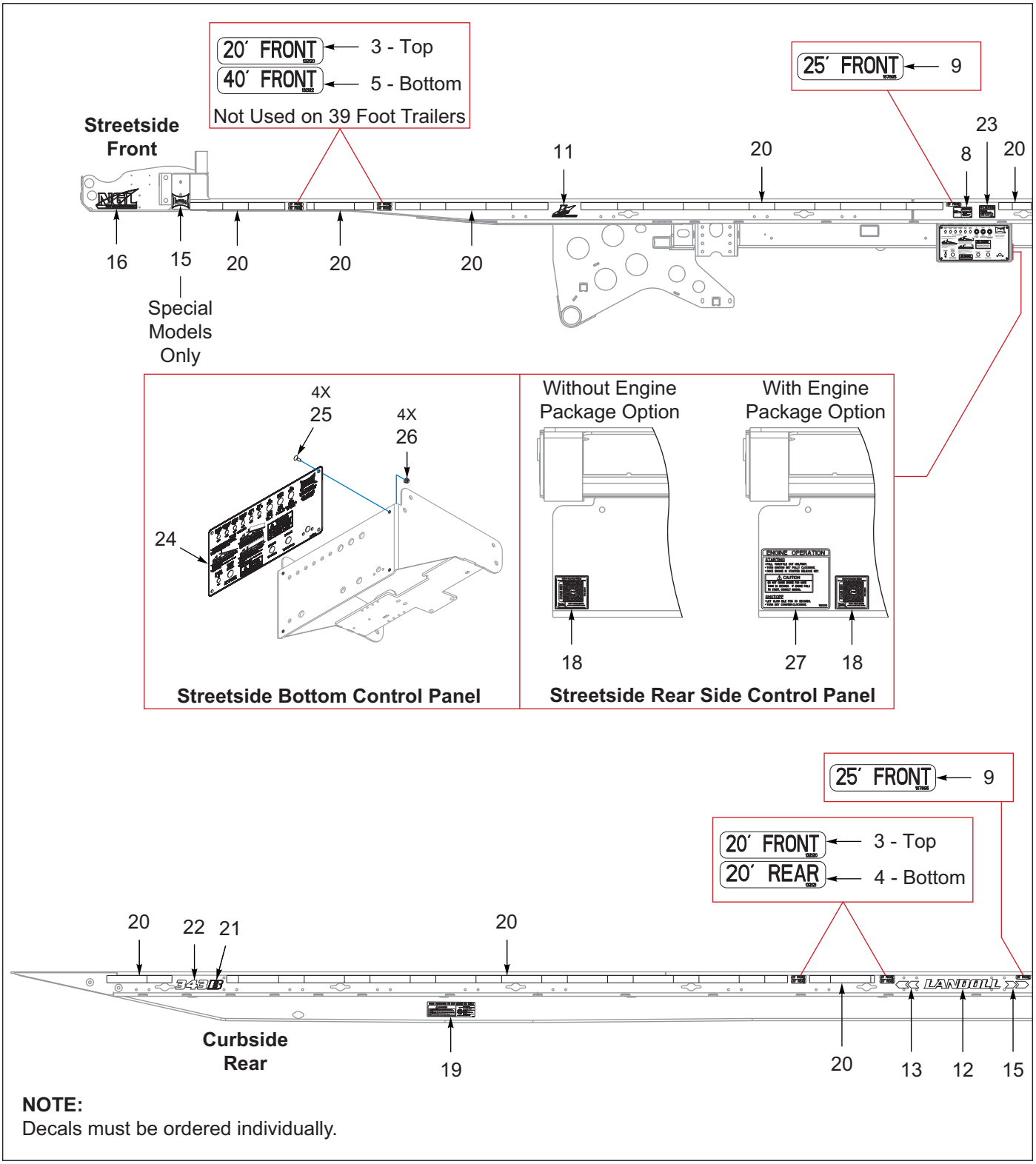
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Decal & Placard Placement

Frame Assembly



NOTE:
Decals must be ordered individually.

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

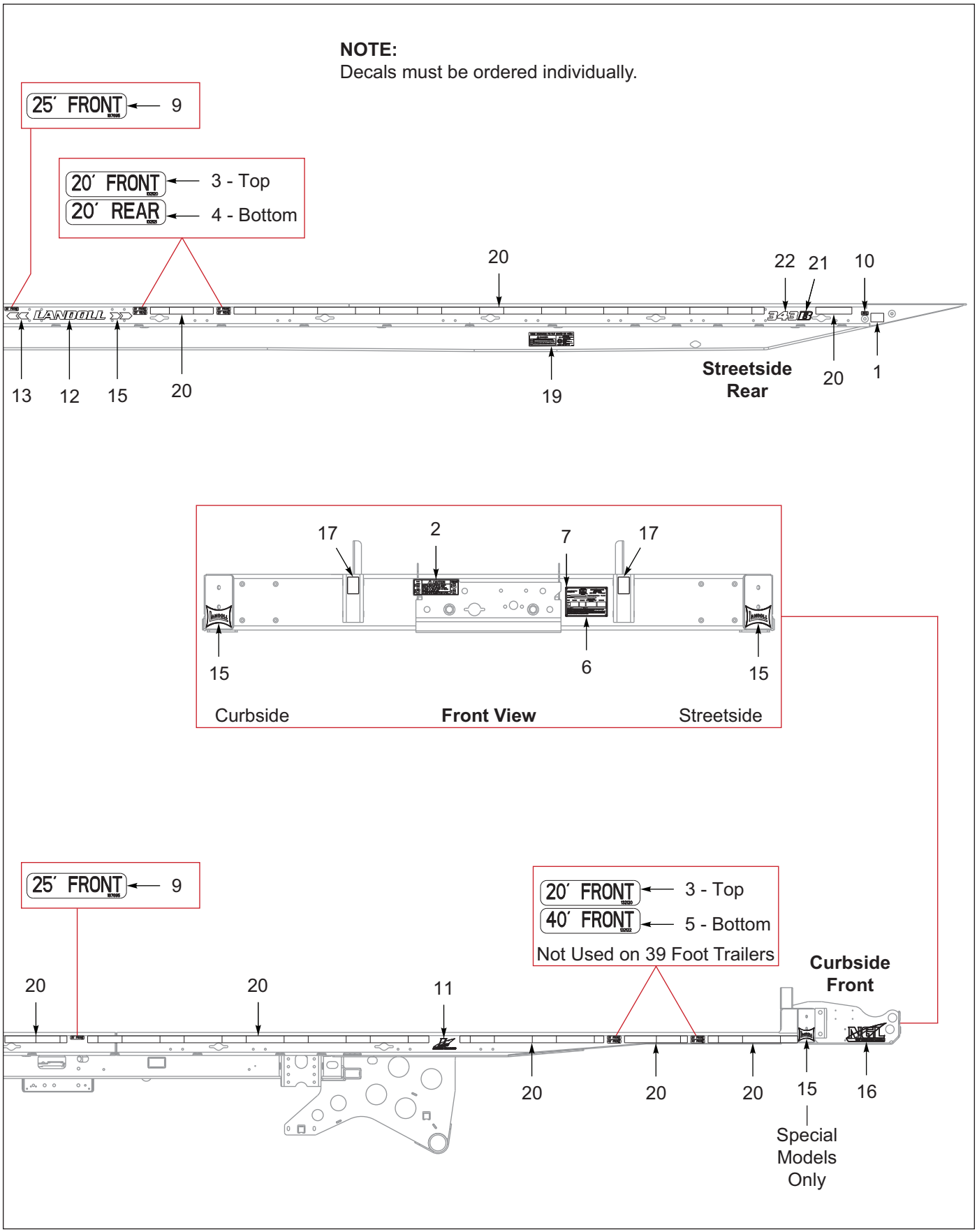
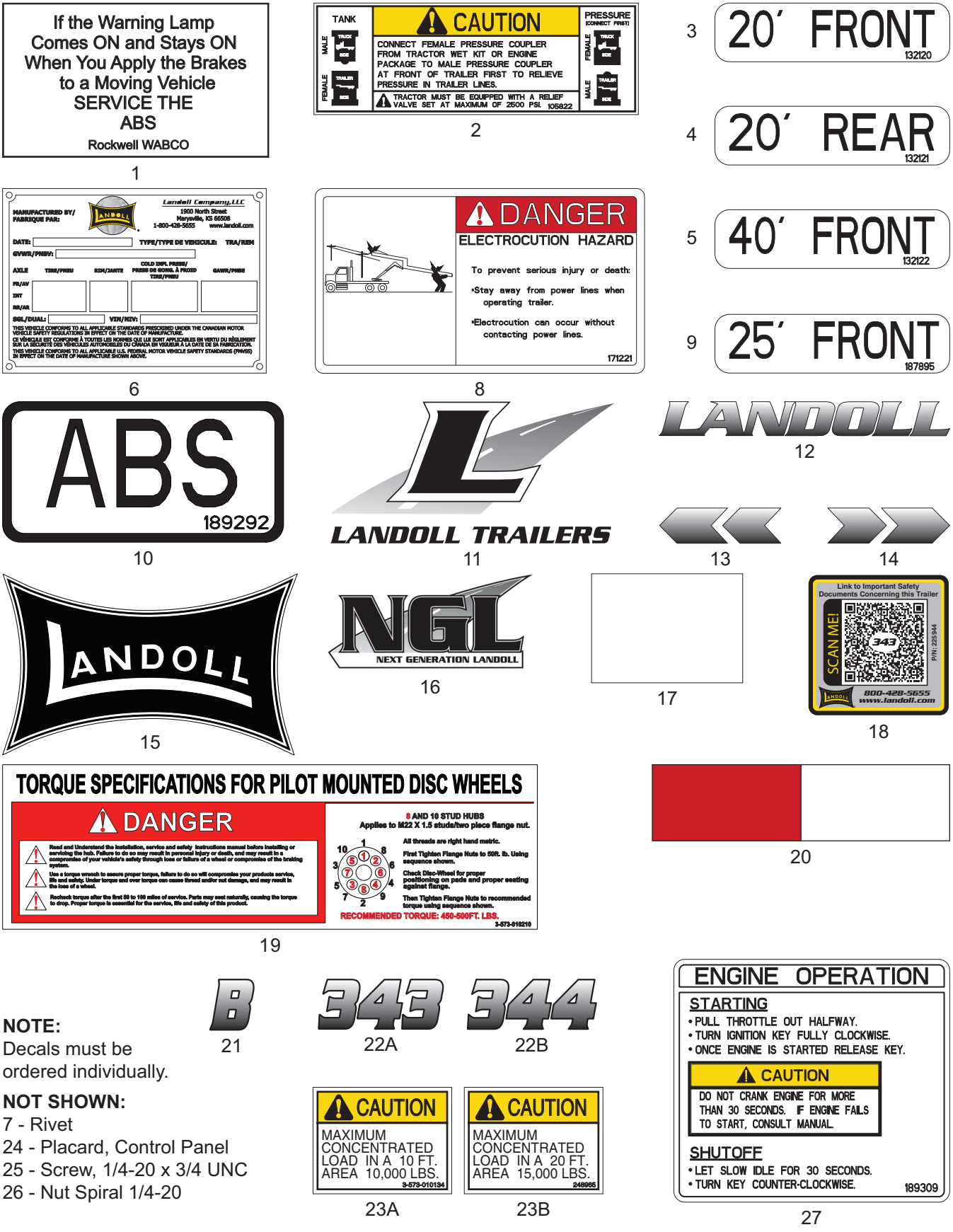


Figure 1-2: Frame Assembly (2 of 3)



NOTE:
Decals must be ordered individually.

NOT SHOWN:
7 - Rivet
24 - Placard, Control Panel
25 - Screw, 1/4-20 x 3/4 UNC
26 - Nut Spiral 1/4-20

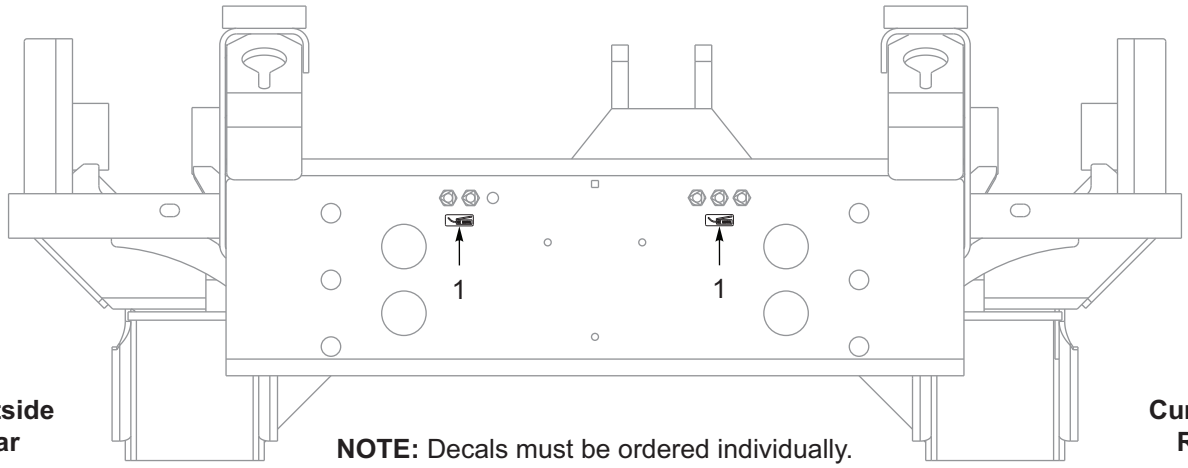
Figure 1-3: Frame Assembly (3 of 3)

Frame Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	246947	DECAL INSTALL 343B **(REQUIRES ITEMS 1-21, 22A, 23A) (DECALS MUST BE ORDERED INDIVIDUALLY)**	- -
	248962	DECAL INSTALL 344 **(REQUIRES ITEMS 1-20, 22B, 23B) (DECALS MUST BE ORDERED INDIVIDUALLY)**	- -
1	101855	WARNING LAMP LABEL,ABS	1
2	105822	DECAL, HYD COUPLER **(BEFORE 03/01/2022 REQ 1) (AFTER 03/01/2022 NO LONGER USED)**	1
3	132120	DECAL, 20' FRONT **(39 FT TRL REQ 4 EACH) (43 FT TRL REQ 8 EACH)**	- -
4	132121	DECAL 20' REAR	4
5	132122	DECAL, 40' FRONT **(NOT USED ON 39 FT TRL)**	4
6	155780	TRAILER VIN PLATE **(CONTACT LANDOLL FOR REPLACEMENT) (REQUIRES ITEM 7)**	1
7	156010	RIVET, BLIND .156X1/2 GRIP **(USED ON ITEM 6)**	4
8	171221	DECAL, DANGER ELECTROCUTION	1
9	187895	DECAL, 25' FRONT	4
10	189292	DECAL, ABS, WHITE	1
11	196165	DECAL HIGHWAY L	2
12	196167	DECAL LANDOLL SMALL	2
13	196168	DECAL ARROW SMALL 2LH	2
14	196169	DECAL ARROW SMALL 2RH	2
15	196172	DECAL BOWTIE SMALL **(SPECIAL MODELS ONLY, REQ 4 EACH)**	2
16	196180	DECAL NEXT GENERATION SMALL	2
17	202578	REFLEXITE WHITE 3" LENGTH	2
18	225944	DECAL, QR CODE 343 SERIES	1
19	3-573-010210	DECAL TORQUE SPEC 8-10STU HUB	2
20	3-573-010377	DECAL,2"REFLEXITE TAPE,RD/WHT **(BY THE INCH)**	1200
21	246936	DECAL LETTER B SMALL **(343 ONLY)**	2
22	196225	DECAL 343 **(22A)**	2
22	248964	DECAL 344 **(22B)**	2
23	3-573-010134	DECAL, CONC LOAD 10000 LBS **(23A - 343 ONLY)**	1
23	248965	DECAL CONCENTRATED LOAD 15K **(23B - 344 ONLY)**	1
24	243398	PLACARD CONTROL PANEL 343B	1
25	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4	4
26	108417	NUT SPIRAL 1/4-20HX FG	4
27	189309	DECAL,EFI ENG PKG INSTR **(OPTION)**	1

Undercarriage Assembly

1 Axle Undercarraiage Displayed.



NOTE: Decals must be ordered individually.

Figure 1-4: Undercarriage Assembly

Undercarriage Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL **(1 & 2 AXLES REQUIRE SAME QTY)**	2

Table provided for general use.

NOTES:

Trailer Assembly

Air Booster, Air / Hydraulic Couplers

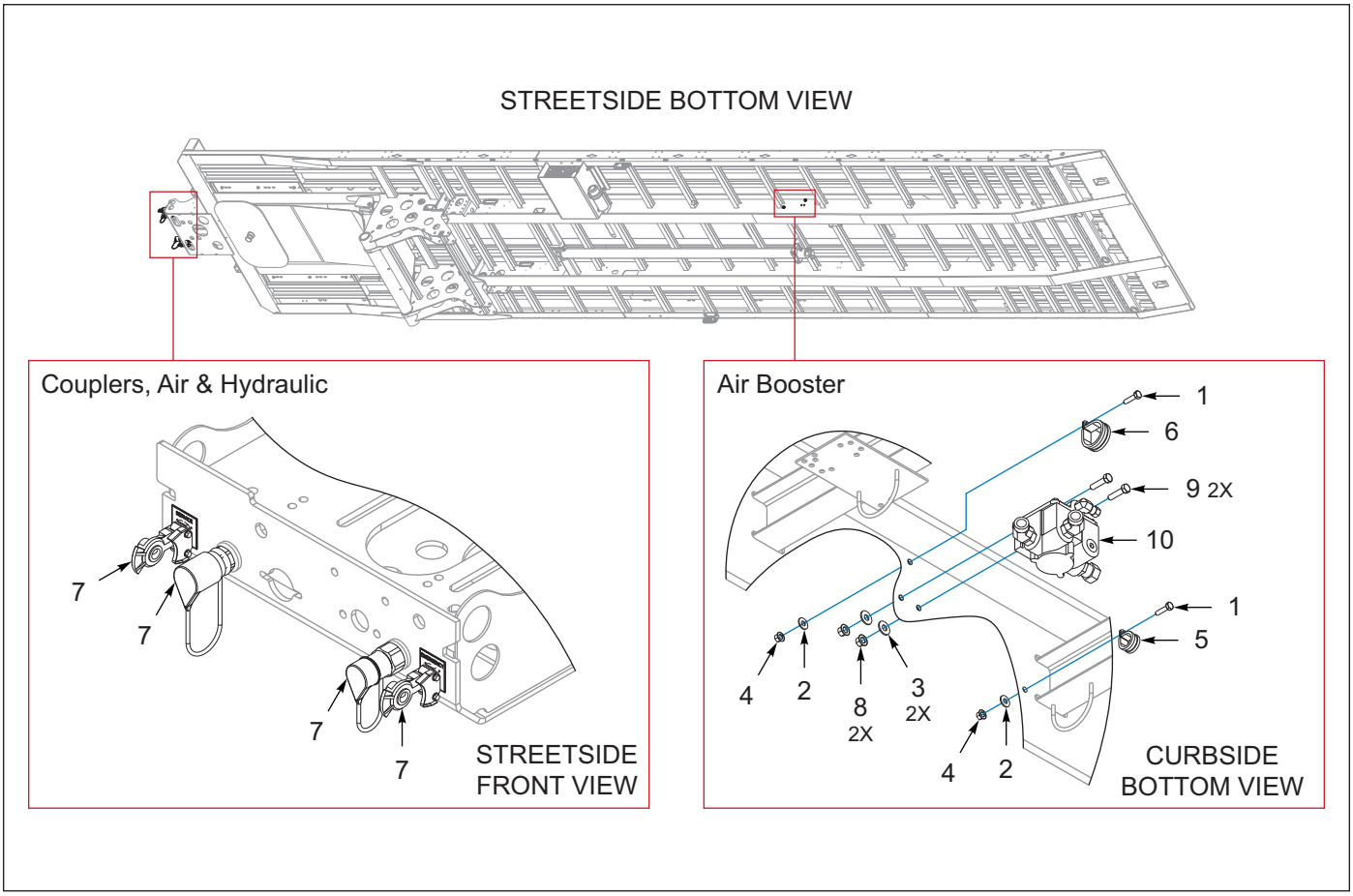


Figure 2-1: Air Booster, Air / Hydraulic Coupler

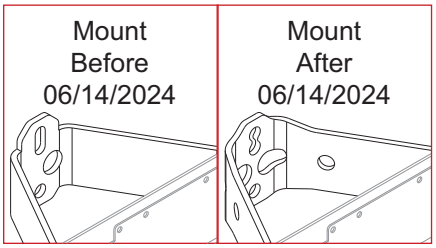
Air Booster, Air / Hydraulic Coupler

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
2	1-861-010032-07	WASHER,FLAT 1/4 ZP	2
3	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
4	108417	NUT SPIRAL 1/4-20HX FG	2
5	202925	CLAMP,PART CUSH ALUM,7/8	1
6	202929	CLAMP,PART CUSH ALUM,1-1/2	1
7	238642	COUPLERS ISO FRONT SUB ASSY **(HYDRAULIC SYSTEM - SEE PAGE 11-15)**	1
8	1-510-010004-03	NUT HX FLANGE, 5/16-18 GR8	2
9	1-654-010049-06	SCREW,H/CAP,5/16-18UNCX1-1/4	2
10	247000	VALVE ASSY AIR BOOSTER 343B **(AIR SYSTEM - SEE PAGE 8-1)**	1

Table provided for general use.

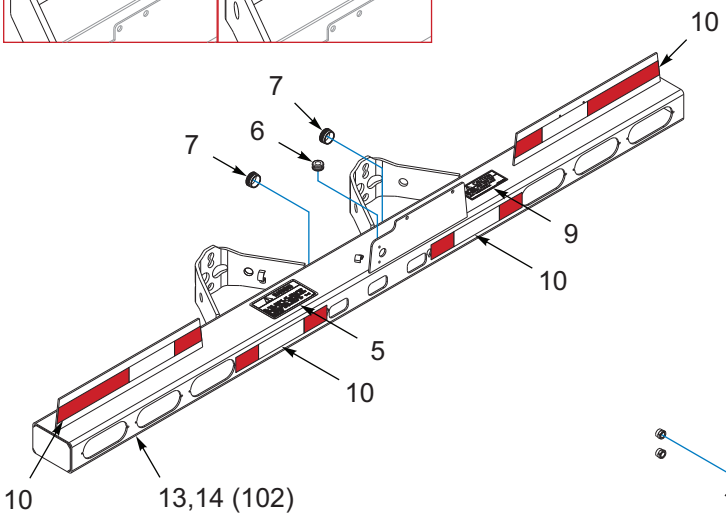
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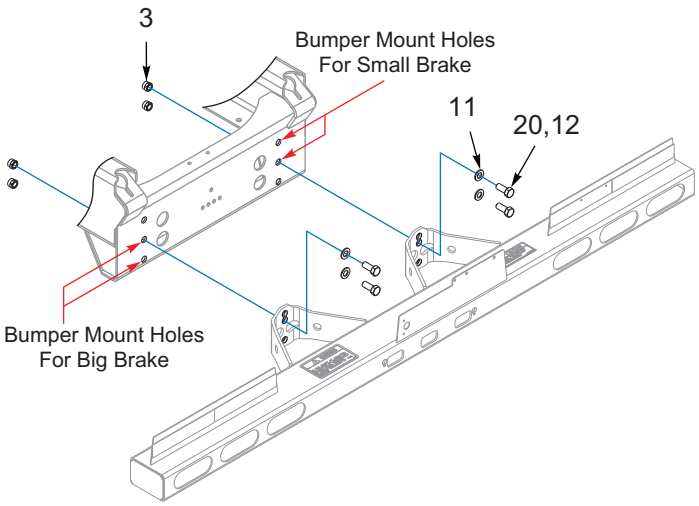
Bumper, Rear



NOT SHOWN:
4 - Screw, 3/4 X 1-3/4 (Not Used, Order Item 20)
8 - Loom, Split (For License Plate Light Wires)

Bumper Assembly WO/ Lights
1 - Kit, 102, Black Bumper (Items 3-12, 13)
2 - Kit, 102, Galv Bumper (Items 3-12, 14)





NOTE:
Items Below are Sold Separatly.

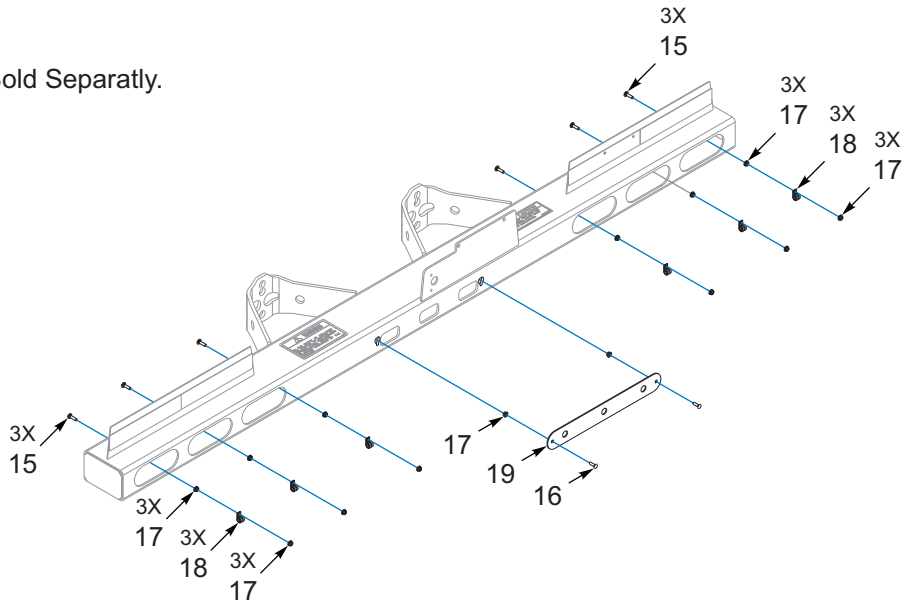


Figure 2-2: Bumper, Rear

Bumper, Rear

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	119580FI	BUMPER (REPL)102 WIDE U/C BLK **(102 BLACK BUMPER ASSEMBLY, WO/ LIGHTS) (KIT INCLUDES ITEMS 3-12, 13)**	- -
2	204955FI	BUMPER (REPL)102 WIDE U/C GALV **(102 GALV BUMPER ASSEMBLY, WO/ LIGHTS) (KIT INCLUDES ITEMS 3-12, 14)**	- -
3	1-512-010002-15	NUT,HEX SLFLKG 3/4-10 GRC **(INCLUDED WITH ITEMS 1-2)**	4
4	1-654-010032-4	SCREW 3/4-10X1-3/4 HX CP ZPG8 **(INCLUDED WITH ITEMS 1-2) (NOT USED, ORDER ITEM 20)**	4
5	103056	DECAL, ENERGY BUMPER WARNING **(INCLUDED WITH ITEMS 1-2)**	1
6	237-2308-004	GROMMET 5/8ID **(INCLUDED WITH ITEMS 1-2)**	1
7	203248	PLUG,PLASTIC PANEL 1-1/2 **(INCLUDED WITH ITEMS 1-2)**	2
8	254541	LOOM SPLIT 1/4" ID **(BY THE FOOT) (INCLUDED WITH ITEMS 1-2)**	1
9	3-573-010031	DECAL TRAILER BUMPER **(INCLUDED WITH ITEMS 1-2)**	1
10	3-573-010377	DECAL,2"REFLEXITE TAPE,RD/WHT **(BY THE INCH) (INCLUDED WITH ITEMS 1-2)**	84
11	622-3511-008	WASHER, FLAT 3/4 MIL-CARB SAE **(INCLUDED WITH ITEMS 1-2)**	4
12	#242 LOCKTITE	LOCTITE 242 BLUE REMOVABLE **(BY THE BOTTLE) (INCLUDED WITH ITEMS 1-2)**	1
13	- - - - -	BUMPER WLDMT, 102 BLACK **(NOT SOLD SEPARATLY) (INCLUDED WITH ITEM 1) (INCL. ENERGY CERT PLACARD)**	1
14	- - - - -	BUMPER WLDMT, 102 GALV **(NOT SOLD SEPARATLY) (INCLUDED WITH ITEM 2) (INCL. ENERGY CERT PLACARD)**	1
15	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1	6
16	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4	2
17	108417	NUT SPIRAL 1/4-20HX FG	14
18	125894	CLAMP, CABLE 5/8 SST	6
19	243369	PLATE MTG MICRO ID LTS ALUM	1
20	100941	SCREW,HEXCAP,3/4-10X2-1/4G8ZP **(SOLD SEPARATLY)**	4

Cam Followers & Hold Downs

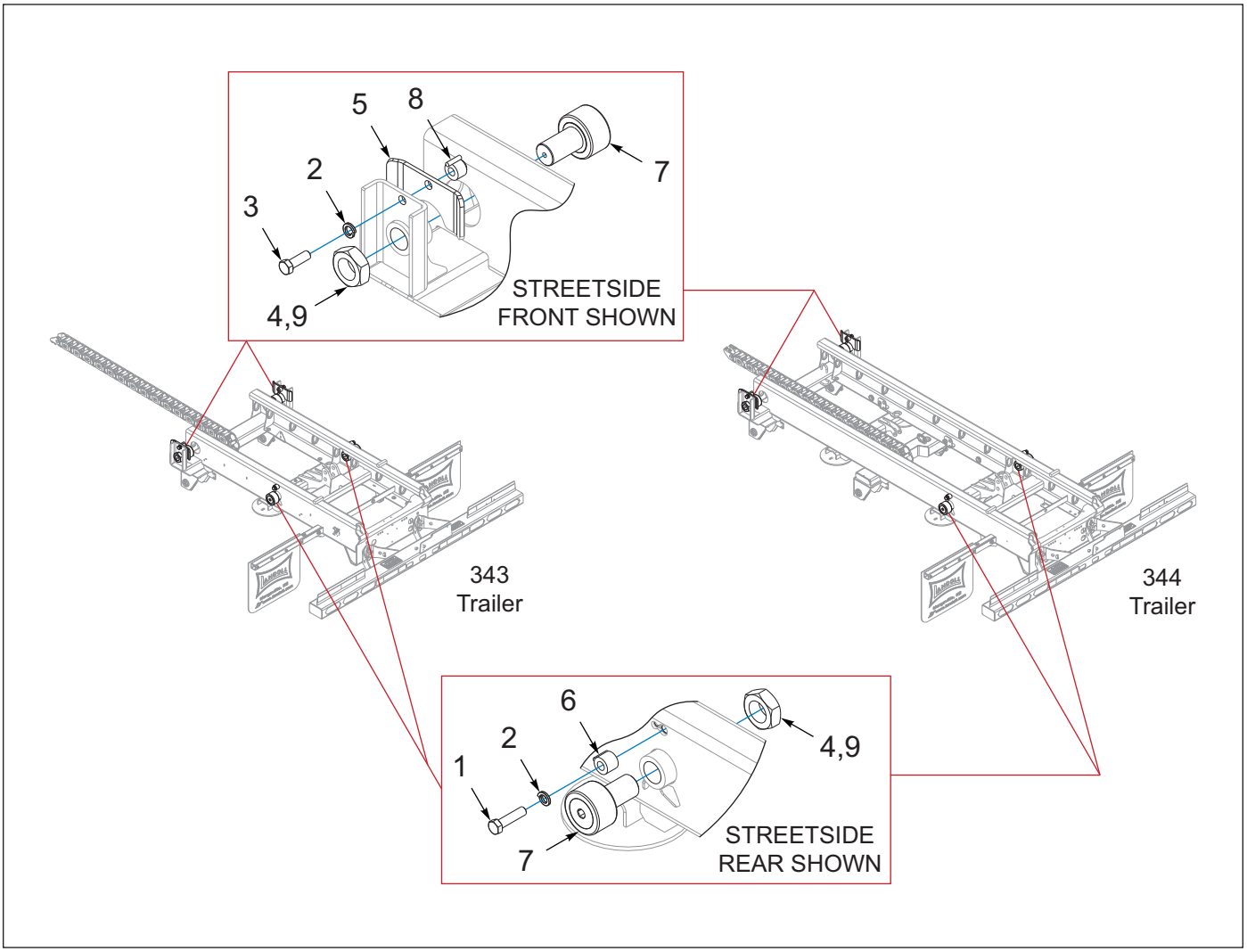


Figure 2-3: Cam Followers & Hold Downs

Cam Followers & Hold Downs

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-654-010032-09	SCREW HEX CAP 3/4-10X3 GR8	2
2	1-861-010034-17	WASHER,LKG,HLCL SPR,3/4 **(1 PER HOLD DOWN)**	4
3	100941	SCREW,HEXCAP,3/4-10X2-1/4G8ZP **(1 PER HOLD DOWN)**	2
4	104034	NUT, HEX 2-12UN, GRB, ZP **(1 PER CAM FOLLOWER)**	4
5	140829	PLATE WEAR 435 U/C **(1 PER FRONT SIDE)**	2
6	184395	HOLD-DOWN 343 U/C WLDMT **(REAR HOLD DOWN) (1 PER SIDE)**	2
7	3-076-010005	CAM FOLLOWER 4 IN DIA **(1 PER ASSEMBLY)**	4
8	3-762-010016	HOLD DOWN UNDERCARRIAGE WLDM **(FRONT HOLD DOWN) (1 PER SIDE)**	2
9	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE **(BY THE BOTTLE)**	1

Control Panel & Shield

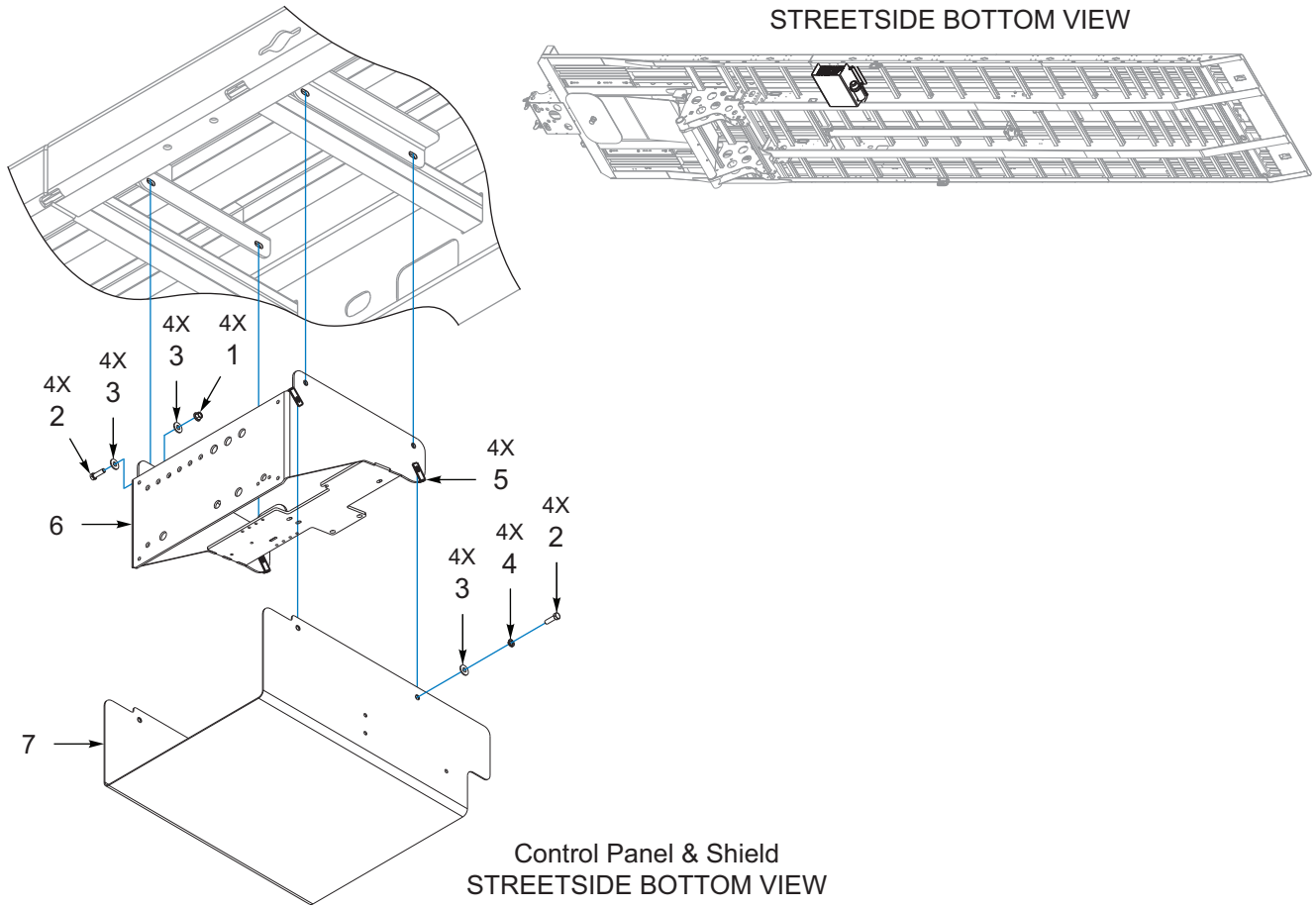


Figure 2-4: Control Panel & Shield

Control Panel & Shield

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	4
2	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	8
3	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	12
4	1-861-010034-11	WASHER, LKG HLCL SPR, 3/8	4
5	133732	NUT,EXTRUD U 3/8-16	4
6	243394	WLDMT CONTROL PANEL 343B	1
7	243397	SHIELD CONTROL PANEL 343B	1

Covers, Hose

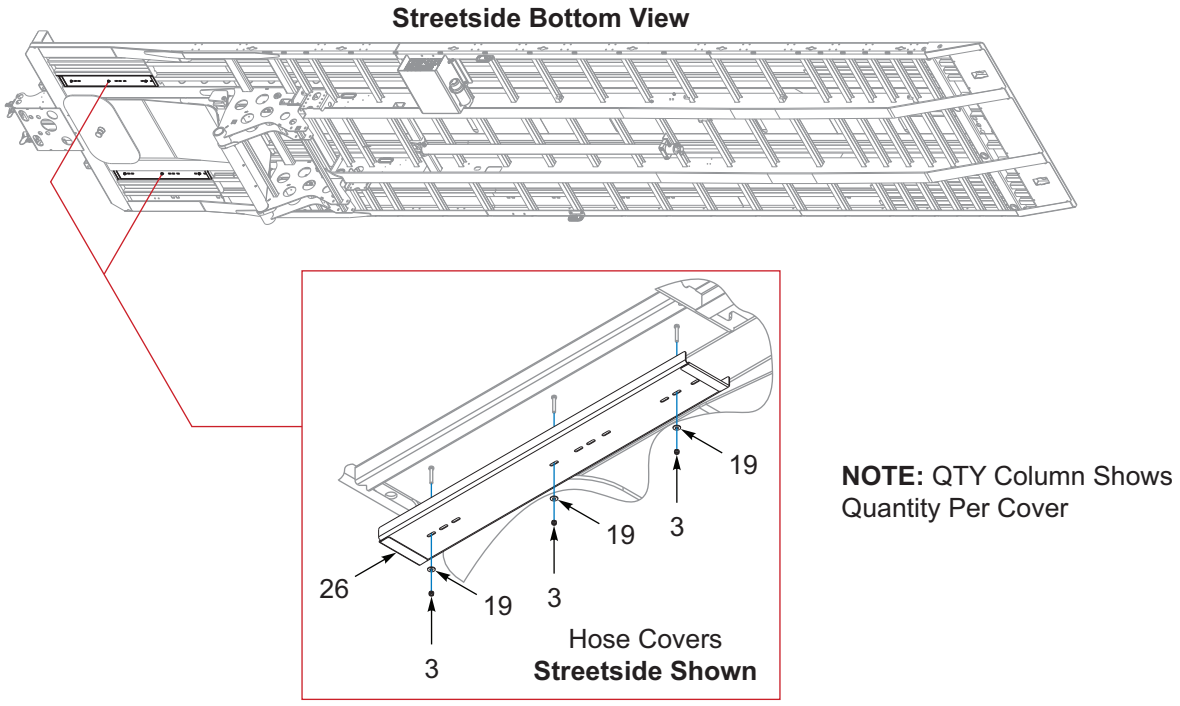


Figure 2-5: Covers, Hose

Covers, Hose

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-512-010005-03	NUT HEX SLFLKG GRB 5/16-18	3
2	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	3
3	117565	COVER,HOSE LOWER, 410 G/N	1

E-Chain & E-Chain Tray

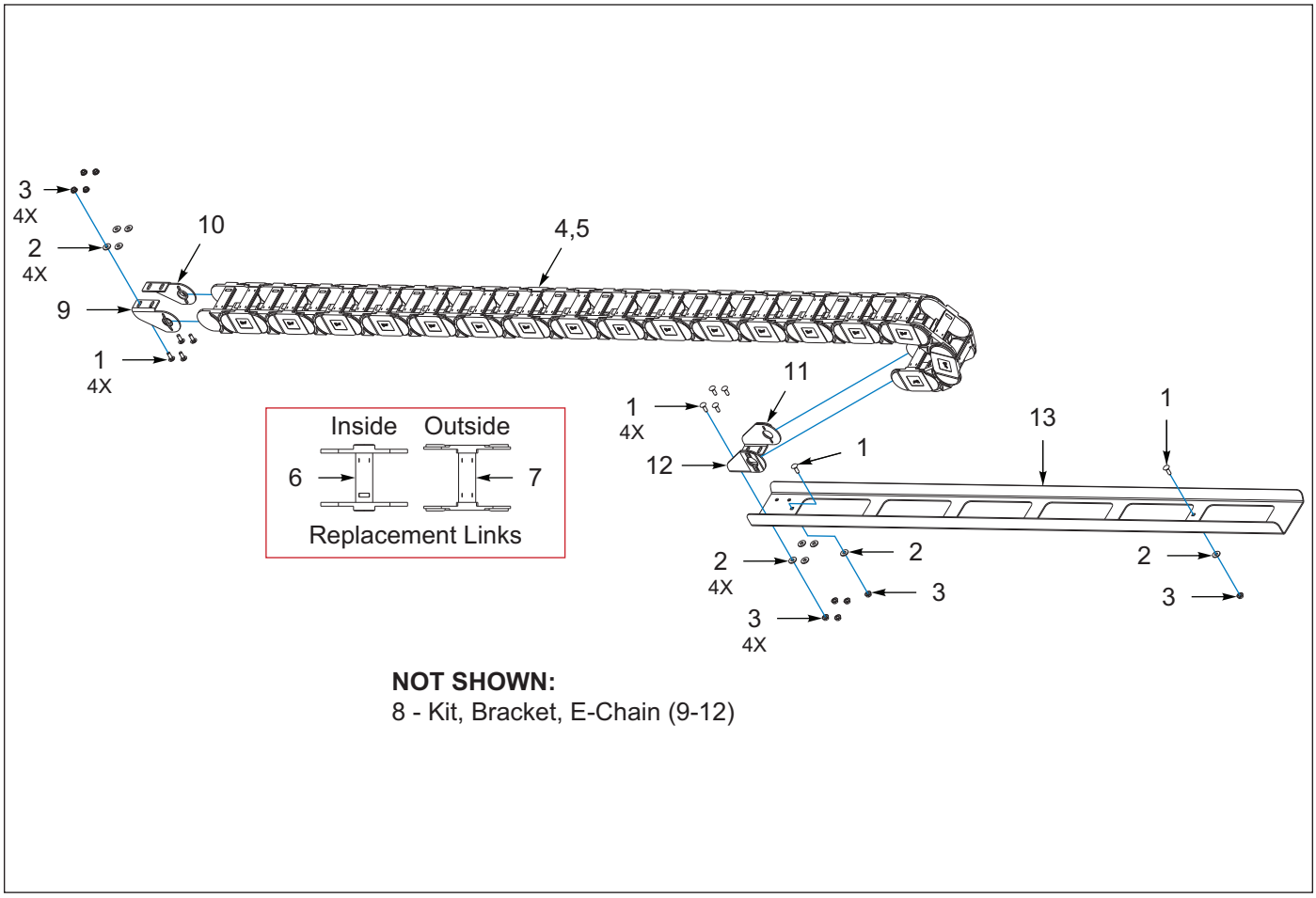


Figure 2-6: E-Chain & E-Chain Tray

E-Chain & E-Chain Tray

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4	10
2	1-861-010032-07	WASHER,FLAT 1/4 ZP	10
3	108417	NUT SPIRAL 1/4-20HX FG	10
4	249145	E-CHAIN, E4-42, 34LNK FI KIT **(KIT INCLUDES ITEMS 5, 8)**	1
5	249132	E-CHAIN, E4-42, 34LNK **(INCLUDED WITH ITEM 4)**	1
6	245139	REPL LINK, E4-42, INSIDE **(INSIDE LINK ASSEMBLY)**	1
7	249141	REPL LINK, E4-42, OUTSIDE **(OUTSIDE LINK ASSEMBLY)**	1
8	249142	E4-42 BRACKET KIT FI **(INCLUDED WITH ITEM 4)** **(KIT INCLUDES ITEMS 9-12)**	1
9	245969	ECHAIN BKT RH PVT WLD **(INCLUDED WITH ITEMS 4, 8)**	1
10	245965	ECHAIN BKT LH PVT WLD **(INCLUDED WITH ITEMS 4, 8)**	1
11	245968	ECHAIN BKT RH HLD WLD **(INCLUDED WITH ITEMS 4, 8)**	1
12	245963	ECHAIN BKT LH HLD WLD **(INCLUDED WITH ITEMS 4, 8)**	1
13	118897	TRAY E-CHAIN 425	1

Electrical Power Strip, Remote Control Receiver, Mid-Turn Light

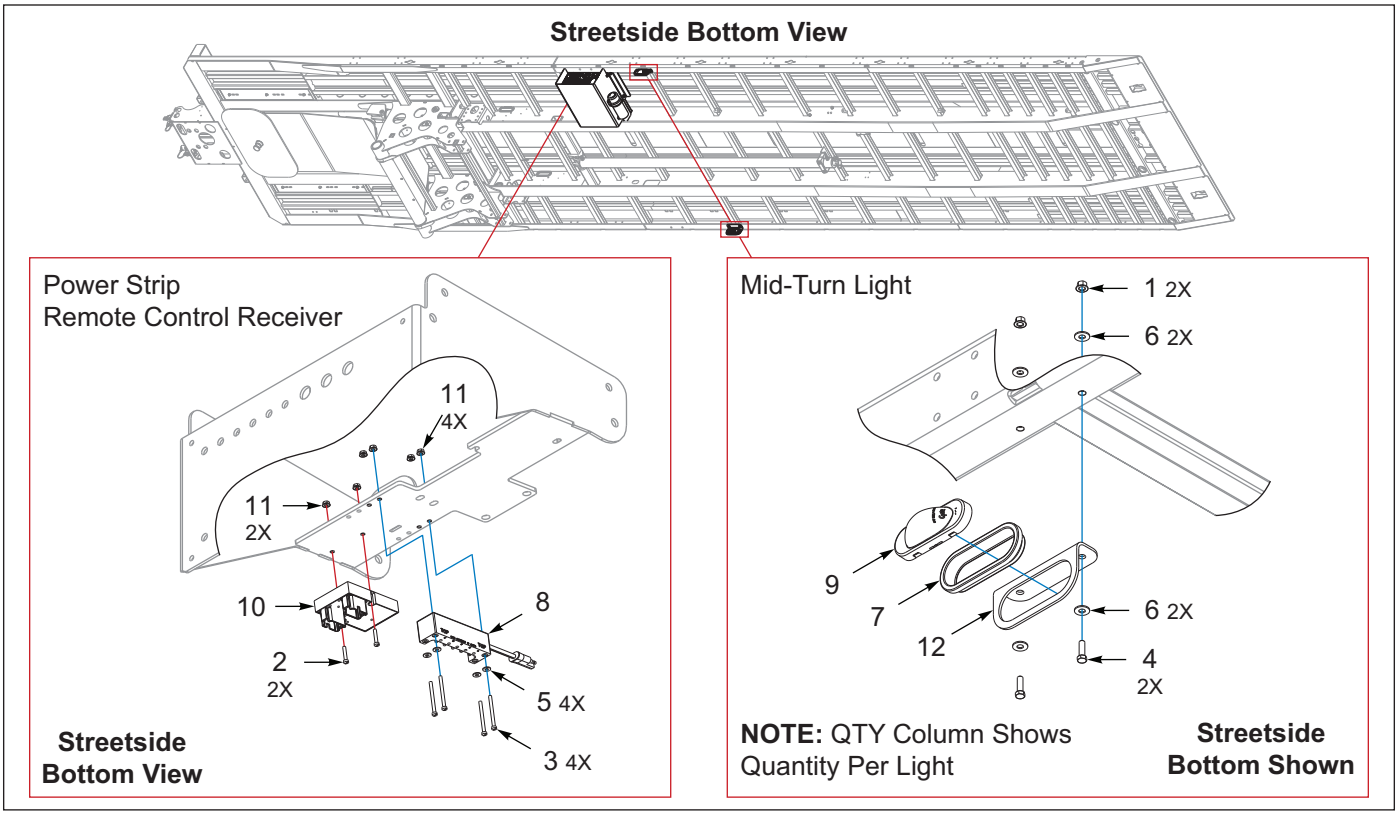


Figure 2-7: Electrical Power Strip, Remote Control Receiver, Mid-Turn Light

Electrical Power Strip, Remote Control Receiver, Mid-Turn Light

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	2
2	1-654-010024053	SCREW MACH,SL ZP FILH 10-24X1 **(REMOTE OPTION ONLY)**	2
3	1-654-010024059	SCREW,MACH SL FILH10-24X2-1/4	4
4	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	2
5	1-861-010032-03	WASHER, FLAT #10 ZP/CD	4
6	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
7	143114	GROMMET OVAL GROTE **(BLACK PVC)**	1
7	213296	FLANGE CHROME FLAT OBLONG **(CHROME ABS PLASTIC)**	1
8	148874	POWER STRIP, OPTL TRLR FCTN **(ELECTRICAL SYSTEM - SEE PAGE 9-1)**	1
9	187868	LIGHT MID-TURN LED CLEAR LENS **(ELECTRICAL SYSTEM - SEE PAGE 9-1)**	1
10	209100	REMOTE KIT BRAND 6 FUNC SLIDE **(REMOTE OPTION ONLY)** **(ELECTRICAL SYSTEM - SEE PAGE 9-1)**	1
11	212074	NUT 10-24 FLANGE HD SERRATED **(W/O REMOTE OPTION REQ 4 EACH)** **(W/ REMOTE OPTION REQ 6 EA)**	- -
12	243392	BRACKET MID-TURN LT MNT ALUM	1

Table provided for general use.

NOTES:

Grommets & Plugs, Frame Assembly

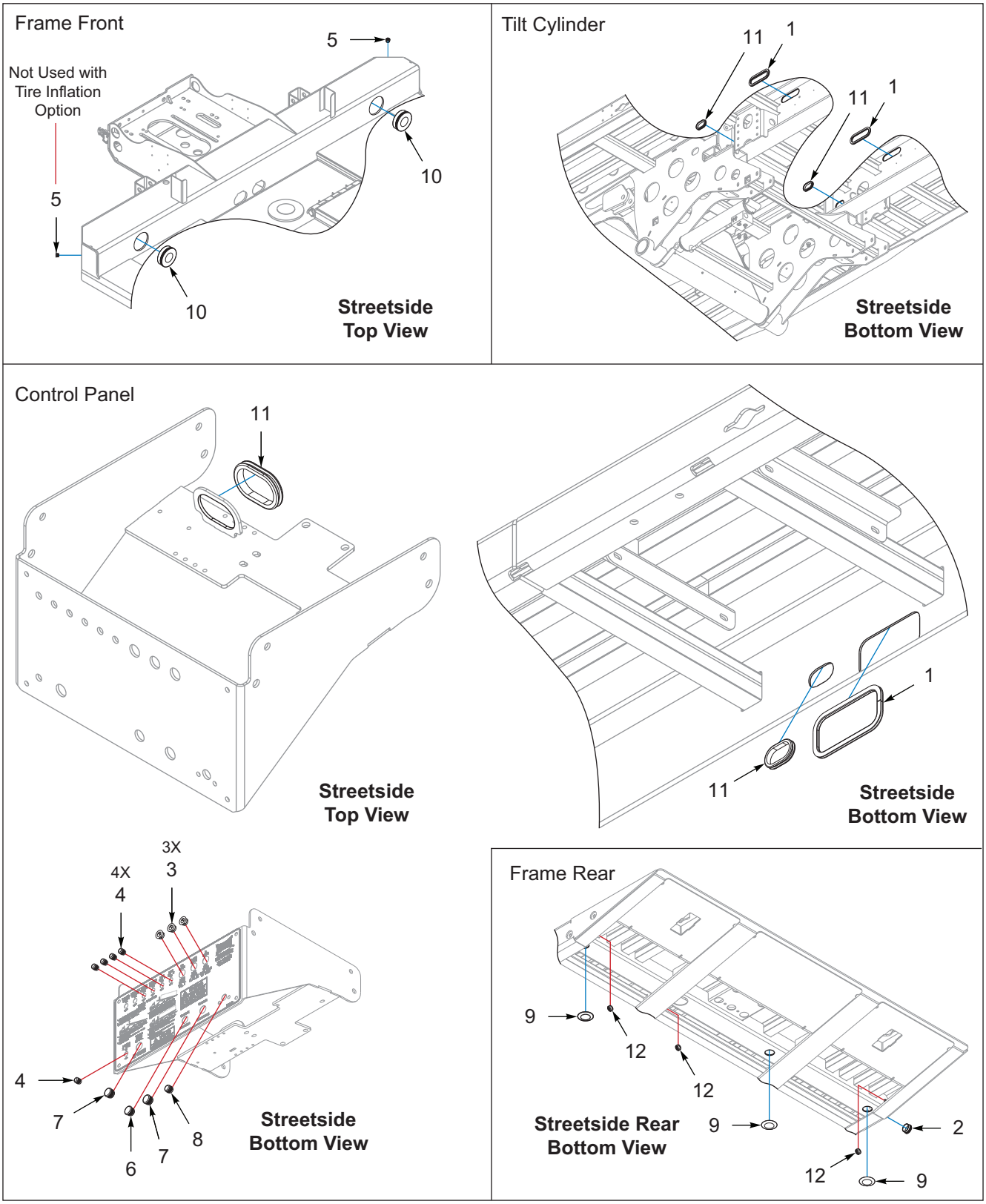


Figure 2-8: Grommets & Plugs, Frame Assembly

Grommets & Plugs, Frame Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-822-010002	TRIM-LOK 3/16 **(BY THE FOOT)**	7
2	129601	PLUG, PLASTIC PANEL 2 & 2-1/16	1
3	178444	BUSHING NYLON INSERT 9/16ID	3
4	189278	PLUG, PLASTIC PANEL 1/2 & 9/16	5
5	189280	PLUG, PLASTIC PANEL 3/4 **(W/ TIRE INFLATION, REQ 1 EACH)** **(WO/ TIRE INFLATION, REQ 2 EACH)**	- -
6	189281	PLUG, PLASTIC PANEL 13/16	1
7	189282	PLUG, PLASTIC PANEL 7/8	2
8	202355	PLUG, PLASTIC PANEL 11/16	1
9	204158	HOLE PLUG 2-1/4" ID X 3-5/8"OD	3
10	208081	PLUG, PLASTIC PANEL 4-1/2	2
11	234683	GROMMET, HOLE 2-1/2IN-1/4T	4
12	237-2308-002	GROMMET, 11/16 ID X3/16GWX1GD	3

Grommets & Hose Clamps, Undercarriage, 1 Axle

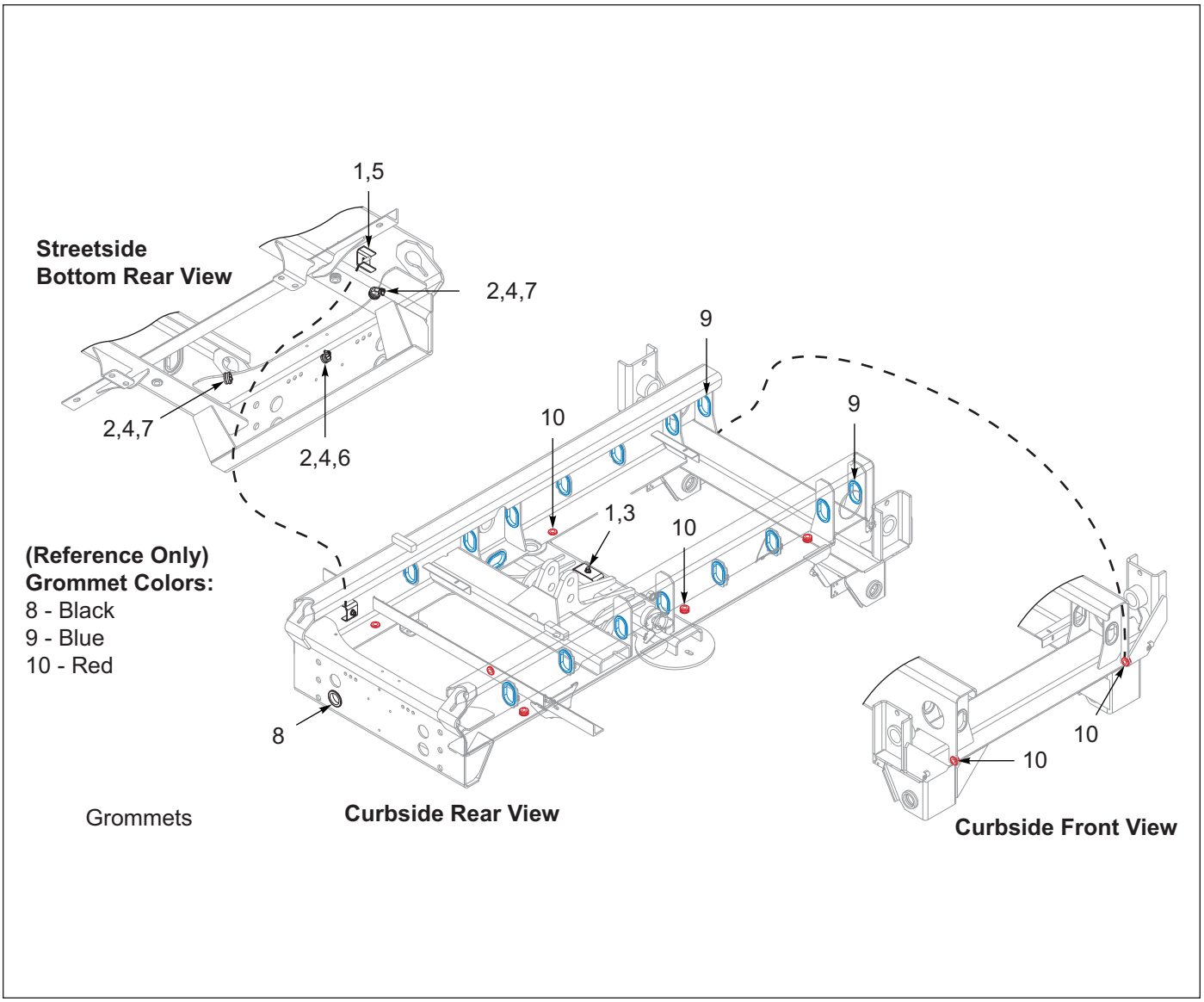


Figure 2-9: Grommets & Hose Clamps, Undercarriage, 1 Axle

Grommets & Hose Clamps, Undercarriage, 1 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	2
2	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1	3
3	103817	CLAMP,HOSE 660 U/C	1
4	108417	NUT SPIRAL 1/4-20HX FG	3
5	2-181-010001	HOSE CLAMP	1
6	202924	CLAMP,PART CUSH ALUM,3/4	1
7	202926	CLAMP,PART CUSH ALUM,1	2
8	234682	GROMMET, HOLE 1-3/4IN-1/4T **(SHOWN IN BLACK)**	1
9	234683	GROMMET, HOLE 2-1/2IN-1/4T **(SHOWN IN BLUE)**	16
10	237-2308-004	GROMMET 5/8ID **(SHOWN IN RED)**	8

Grommets & Hose Clamps, Undercarriage, 2 Axle

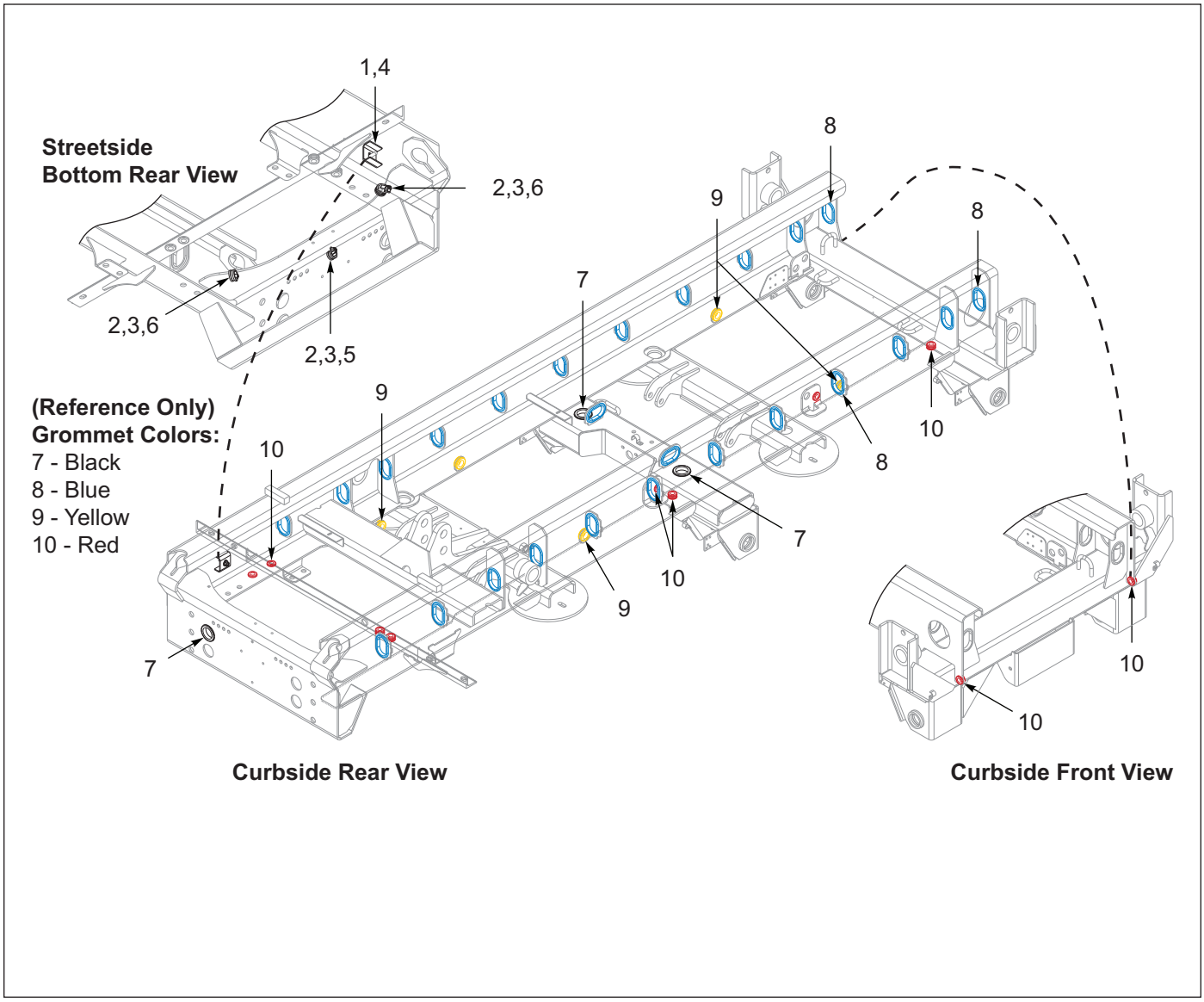


Figure 2-10: Grommets & Hose Clamps, Undercarriage, 2 Axle

Grommets & Hose Clamps, Undercarriage, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	1
2	1-654-010158-02	SCREW,RHD,SQ NCK 1/4-20UNCX1	3
3	108417	NUT SPIRAL 1/4-20HX FG	3
4	2-181-010001	HOSE CLAMP	1
5	202924	CLAMP,PART CUSH ALUM,3/4	1
6	202926	CLAMP,PART CUSH ALUM,1	2
7	234682	GROMMET, HOLE 1-3/4IN-1/4T **(SHOWN IN BLACK)**	3
8	234683	GROMMET, HOLE 2-1/2IN-1/4T **(SHOWN IN BLUE)**	25
9	237-2308-003	GROMMET, 1 ID, 3/16 GW **(SHOWN IN YELLOW)**	5
10	237-2308-004	GROMMET 5/8ID **(SHOWN IN RED)**	10

Hitch

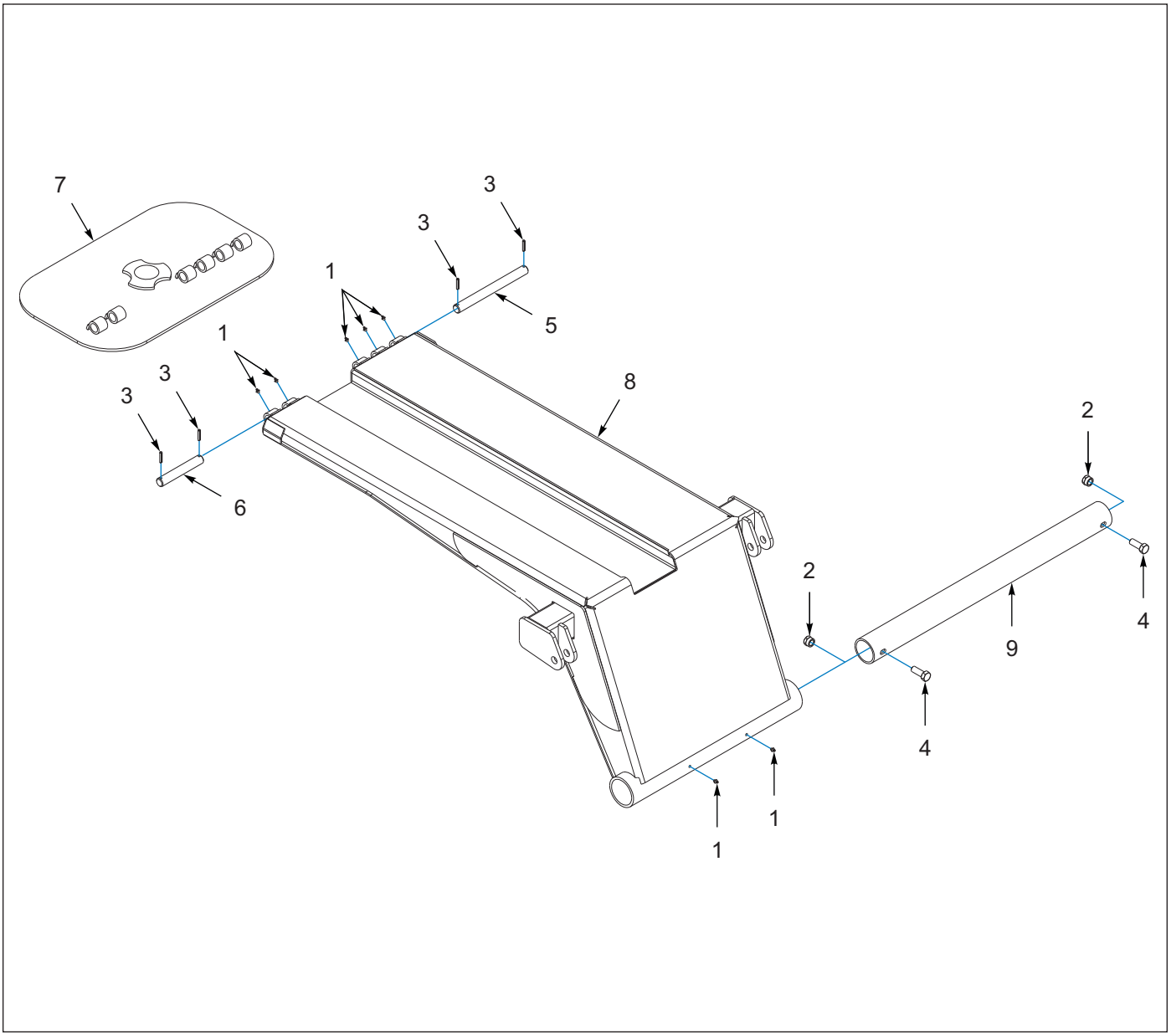


Figure 2-11: Hitch

Hitch

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128391	HITCH INSTL 18PIN 340	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE	7
2	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	2
3	1-647-010004255	PIN, SPRING, SLOTTED 3/8X2	4
4	1-654-010061-05	SCREW,HHC,3/4-10UNCX2,GR5,ZP	2
5	128210	PIN, HNGE, 5TH WHL, 340-LG	1
6	128211	PIN, HINGE, 5TH WHL, 340-SHT	1
7	128212	HITCH PLATE, 18KP-340	1
8	128323	5TH WHL PIVOT ARM WLDMT, 340	1
9	128390	PIVOT TUBE 340TRL	1

Table provided for general use.

NOTES:

Hydraulic Cylinders, Hitch Tilt & Travel Axle

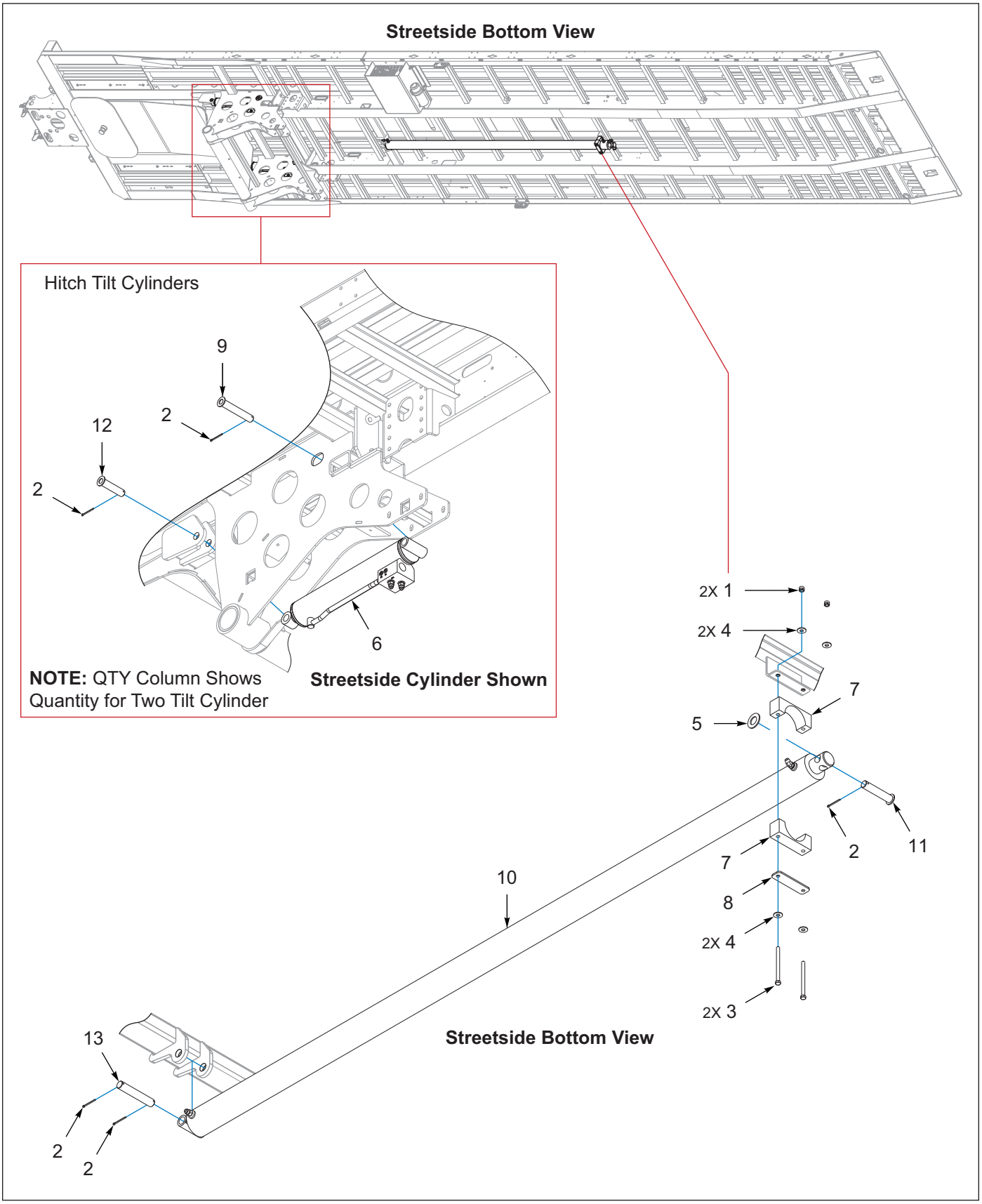


Figure 2-12: Hydraulic Cylinders, Hitch Tilt & Travel Axle

Hydraulic Cylinders, Hitch Tilt & Travel Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
2	1-557-010362-54	PIN, COTTER 3/16X2-1/4	7
3	1-654-010055-18	SCREW HX CP,1/2-13UNCX6-1/2G5	2
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
5	116100	WASHER 1-1/4 NAR FL ZP/CD	1
6	196588	CYLINDER 4X20 W/CB **(HYDRAULIC SYSTEM - SEE PAGE 11-1)**	2
7	200408	NYLATRON SUPPORT CYL 4"	2
8	200409	BOTTOM PLATE CYL 4" SUPPORT	1
9	242740	PIN WLDMT CYL BASE END 343	2
10	3-242-010185	CYLINDER 4X126 LOADOLL **(HYDRAULIC SYSTEM - SEE PAGE 11-1)**	1
11	3-557-010031	PIN CYL UNDERCARRIAGE WLDMT	1
12	3-557-010032	PIN CYL ROD END	2
13	3-557-010182	PIN 1-1/4X7-1/8 CYL END	1

Hydraulic Valves, Control & Counterbalance

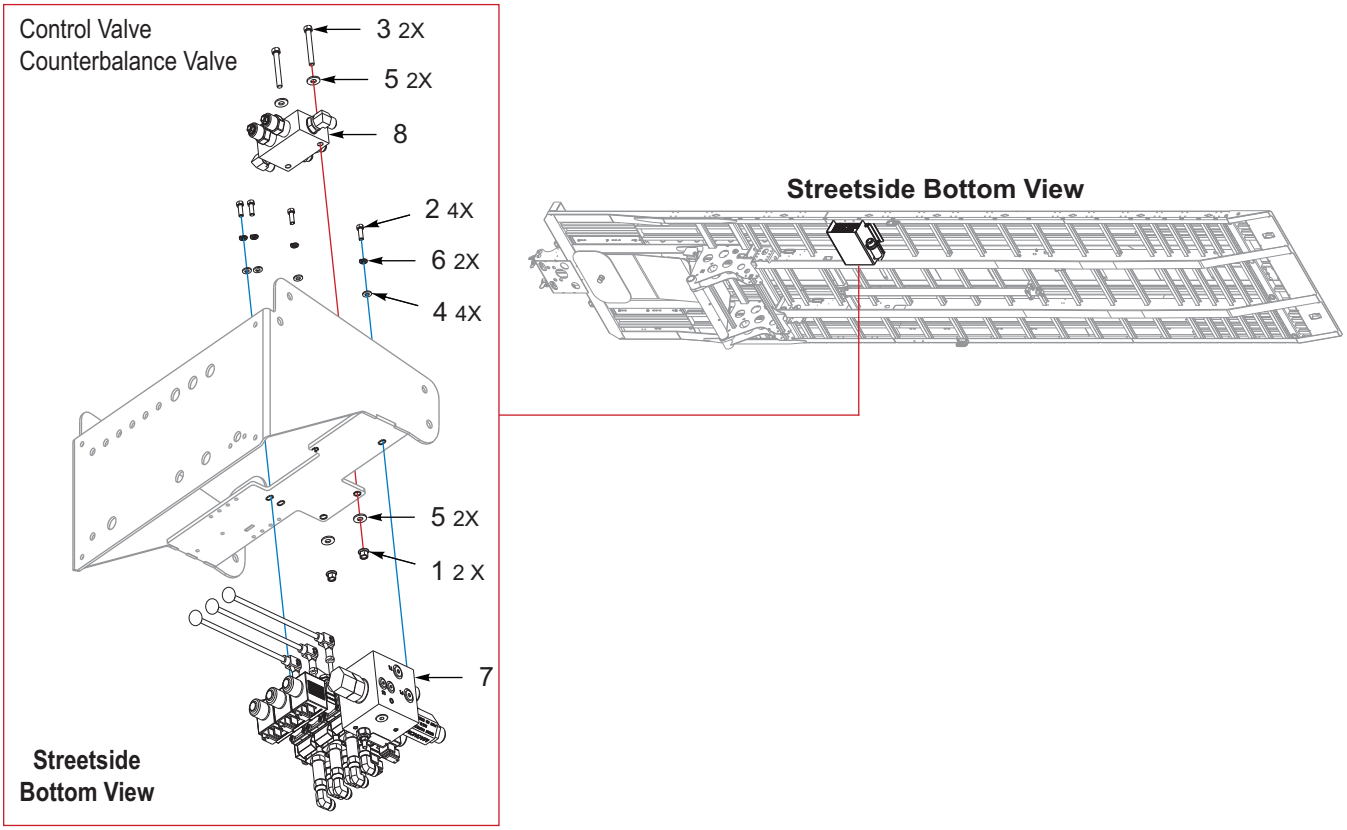


Figure 2-13: Hydraulic Valve, Control & Counterbalance

Hydraulic Valves, Control & Counterbalance

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	2
2	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	4
3	1-654-010051-11	SCREW HX CP 3/8-16X2-1/2 G5ZP	2
4	1-861-010032-08	WASHER,FLAT 5/16 N ZP	4
5	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
6	1-861-010034-10	WASHER,LKG 5/16	4
7	194439	VALVE REXROTH ASSY 300A **(HYDRAULIC SYSTEM - SEE PAGE 11-1)**	1
8	197450	VALVE DUAL CB ASSY 343A **(HYDRAULIC SYSTEM - SEE PAGE 11-1)**	1

Table provided for general use.

NOTES:

Landing Legs, Gear, 2 Spd, Flip Crank

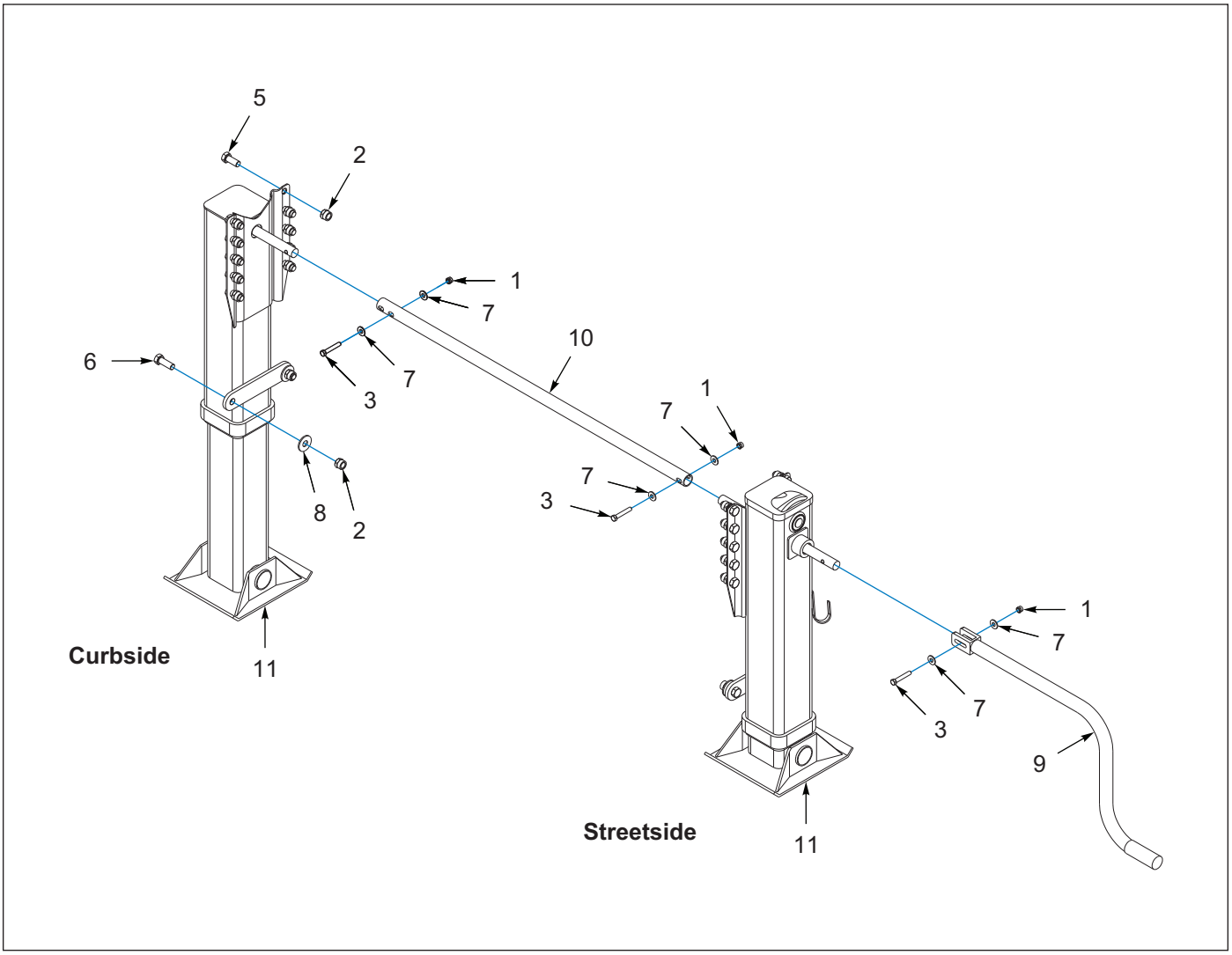


Figure 2-14: Landing Legs, Gear, 2 Spd, Flip Crank

Landing Legs, Gear, 2 Spd, Flip Crank

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178658	LANDING GEAR JOST 343 ASSY	- -
1	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
2	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	24
3	1-654-010051-10	SCREW,HX CP3/8-16X2-1/4 GR5	2
4	1-654-010051-11	SCREW HX CP 3/8-16X2-1/2 G5ZP	1
5	1-654-010059-03	SCREW 5/8-11UNCX1-1/2 HXCP G5	20
6	1-654-010059-04	SCREW,HEX CAP 5/8-11X1-3/4 G5	4
7	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	6
8	1-861-010032-19	WASHER, FLAT 5/8 W ZP/CD	4
9	109710	CRANK #C10592-4 17-3/4	1
10	113883	CROSS-SHAFT LANDING GEAR 330 **(44-1/4)**	1
11	178657	LANDING GEAR WELDMENT **(STREETSIDE & CURBSIDE LEGS NOT SOLD SEPARATLY)** **(COMPONENTS - SEE PAGE 2-23)**	1

Landing Legs, Pinned (Option)

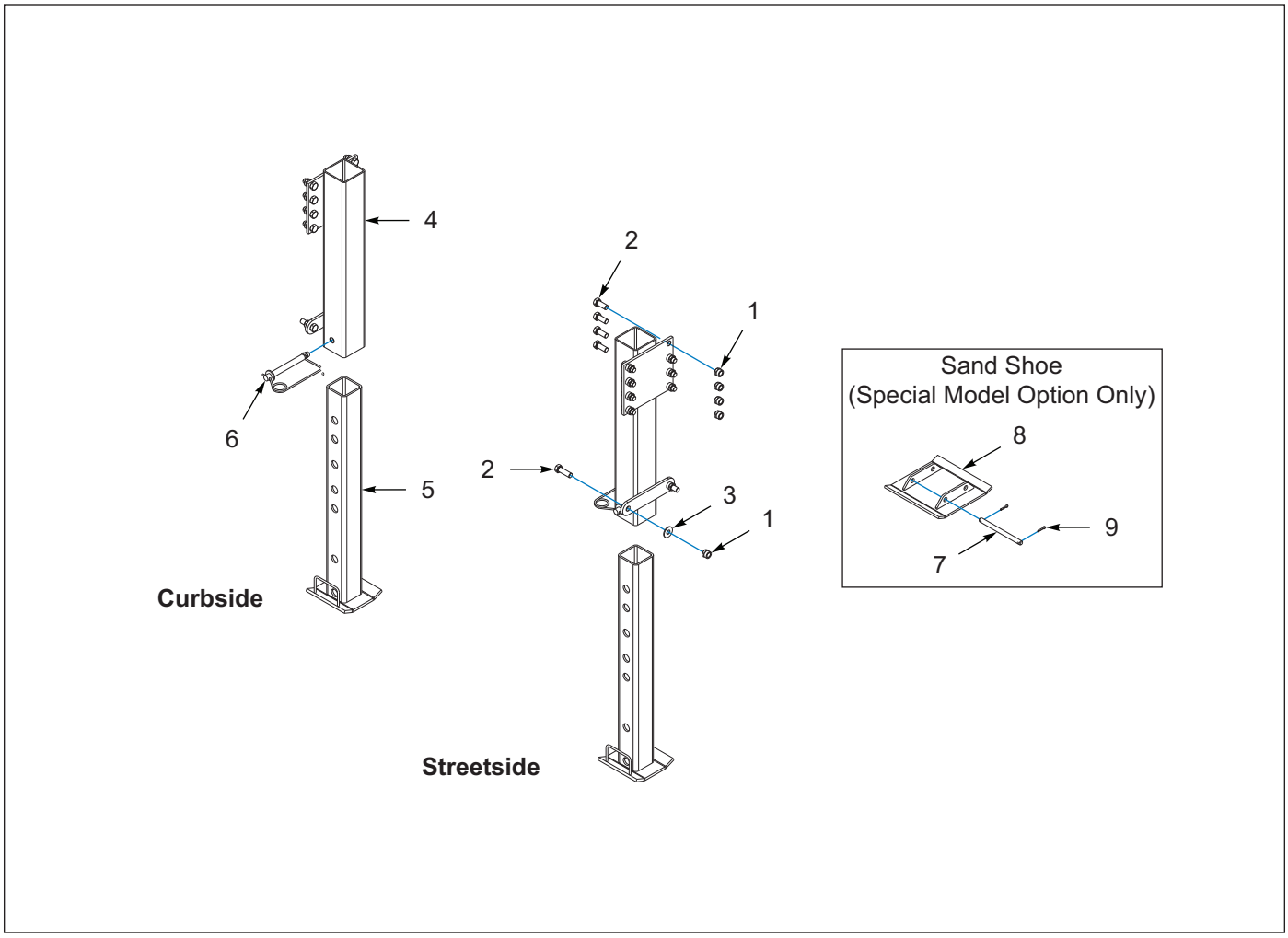


Figure 2-15: Landing Legs, Pinned (Option)

Landing Legs, Pinned (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	192028	PARK STAND, INSTL 343 **(STANDARD CLEARANCE, REQ ITEMS 1-3, 4A, 5A, 6)**	- -
	218615	PARK STANDS SHORT PN-DP 343 **(HIGH CLEARANCE, REQ ITEMS 1-3, 4B, 5B, 6)**	- -
	126883	SAND PAD INSTALL **(OPTION INCLUDES ITEMS 7-9)**	- -
1	1-512-010005-13	NUT,HEX SLFLKG GRB 5/8-11	20
2	1-654-010059-05	SCREW,HEX CAP,5/8-11UNCX2 GR5	20
3	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD	4
4	192029	PARK STD WLDMT, 343 **(4A, STANDARD) (27-7/8" TUBE)**	2
4	218612	PARK STD WLDMT SHORT PN-DP 343 **(4B, HIGH) (25" TUBE)**	2
5	3-725-010058	STAND, PARK INSIDE WLDMT **(5A, STANDARD) (32-3/4" TUBE)**	2
5	218614	PARK STD ADJ WLDMT SHT PN-DP **(5B, HIGH) (39-7/8" TUBE)**	2
6	346SL	SNAP LOCK PIN 3/4" W/ WASHER	2
7	126881	PIN, SAND PAD	4
8	126879	SAND PAD WLDMT **(Special Model Option Only)**	2
9	1-557-010362-59	PIN,COTTER 1/4X1 **(Special Model Option Only)**	8

Landing Leg Components, Gear, 2 Spd

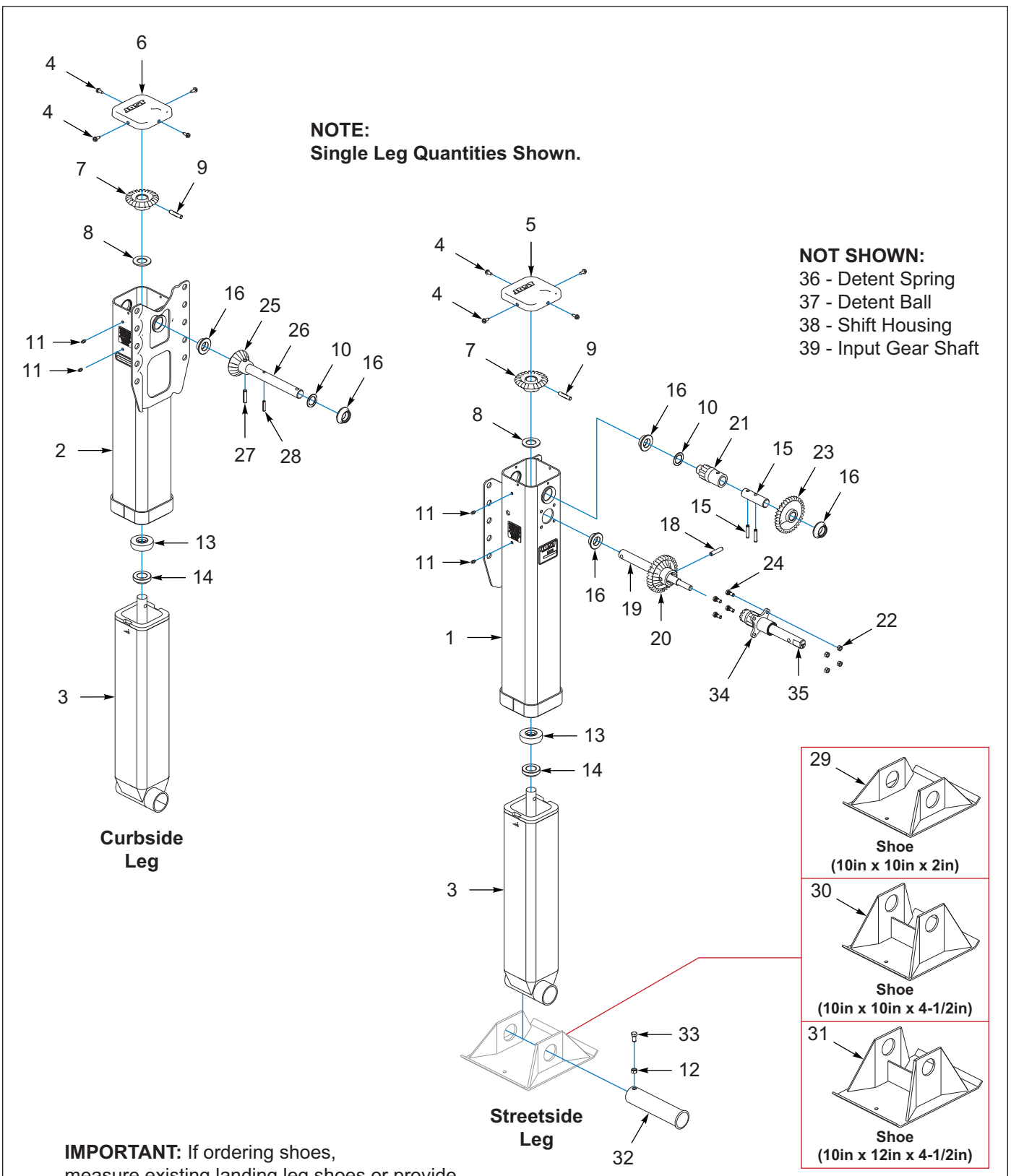


Figure 2-16: Landing Leg Components, Gear, 2 Spd

Landing Leg Components, Gear, 2 Spd

ITEM	PART NUMBER	DESCRIPTION	QTY.
	136470	LANDING GEAR 2-SPEED JOSTW/SS **(17' TRAVEL, REQUIRES ITEM 29, SHOE 10 X 10 X 2)**	- -
1	- - - - -	UPPER HOUSING, 2 SPEED **(17" STREETSIDE)**	1
2	- - - - -	UPPER HOUSING, 1 SPEED **(17" CURBESIDE)**	1
3	165766	INNER LANDING LEG **(17" 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 X 10 X 4-1/2)**	1
31	C10256	SAND SHOE **(10 X 12 X 4-1/2)**	1
32	114983	SHOE AXLE B10036 FOR 109709 **(PIN)**	1
33	A10037.3	HEX HEAD BOLT	2
34	163502	SHAFT HOUSING SERVICE KIT **(KIT INCLUDES ITEMS 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

Light Stand, Folding, Strobe Beacon & Work Lights (Options)

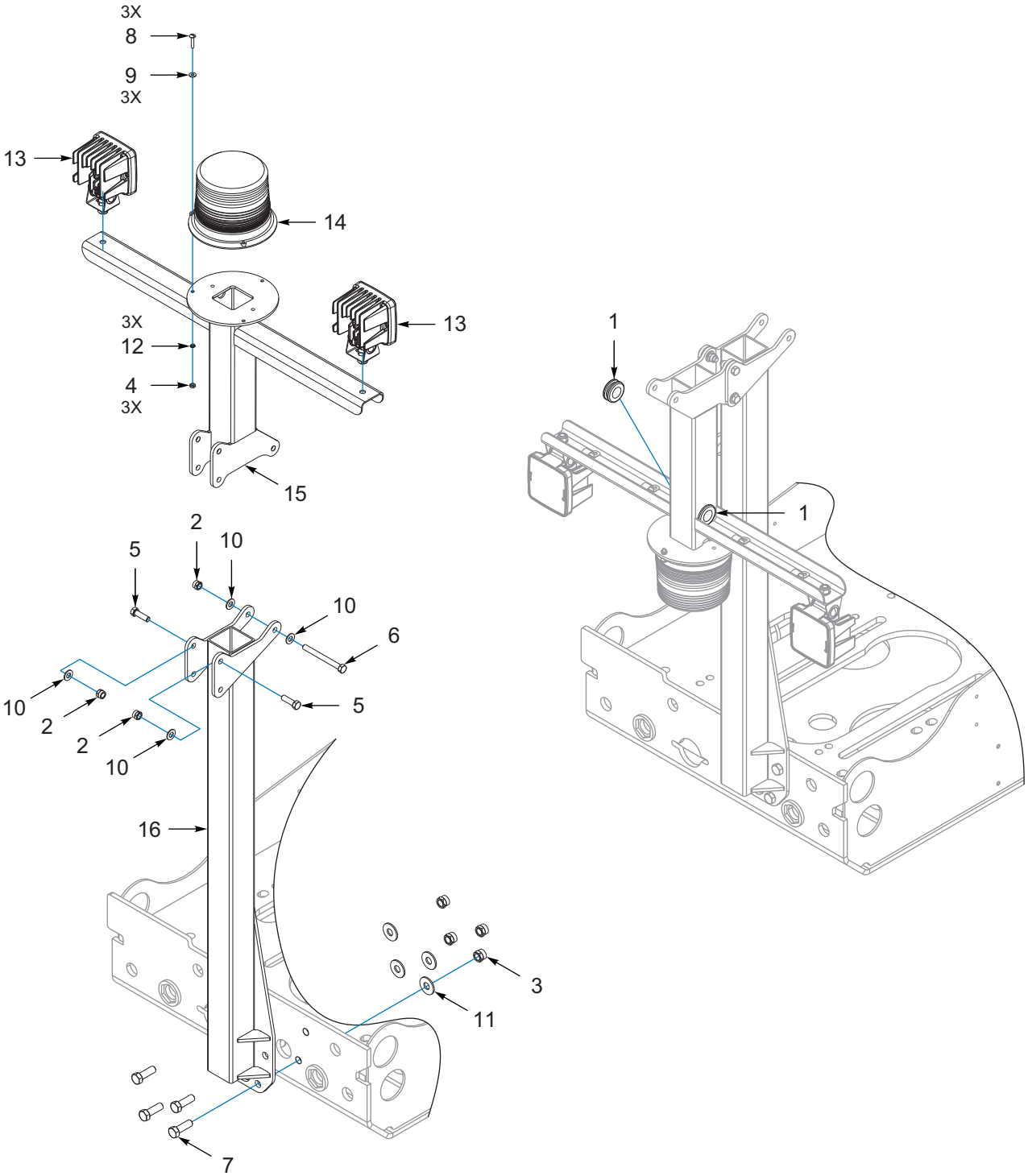


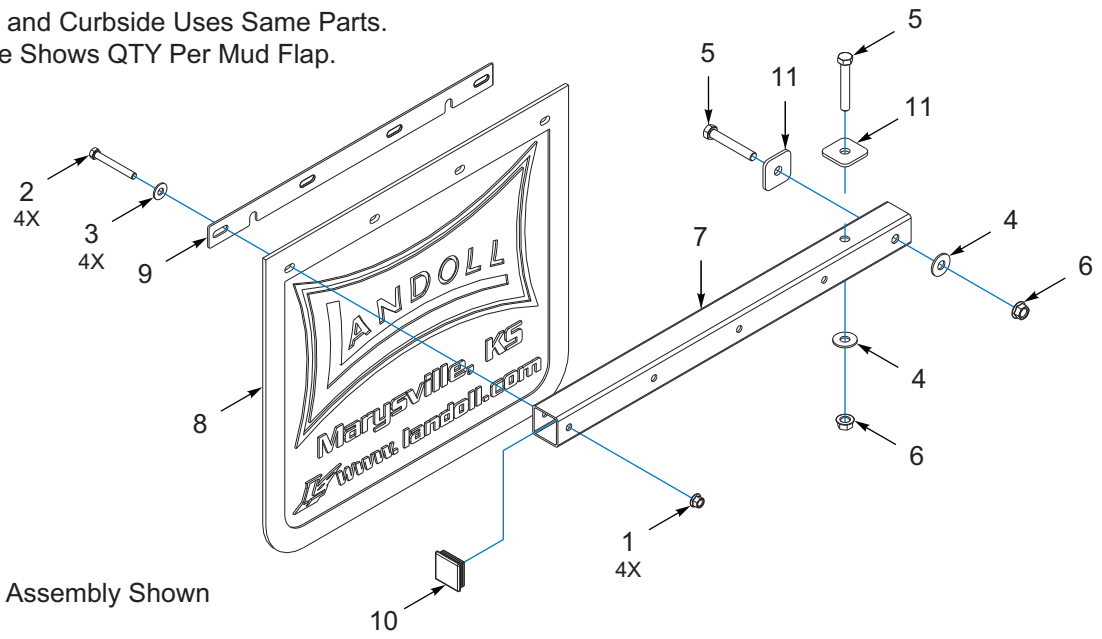
Figure 2-17: Light Stand, Folding, Strobe Beacon & Work Lights (Options)

Light Stand, Folding, Strobe Beacon & Work Lights (Options)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	246960	INSTL STRB BCN & 2 WKLTS 343B	- -
1	1-343-010006	GROMMET	2
2	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	3
3	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
4	1-512-010007-03	NUT, HEX 10-24 GR2 ZP	3
5	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	2
6	1-654-010051-16	SCREW HX CP 3/8-16UNCX3-3/4G5	1
7	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
8	1-656-010003053	SCREW RD HD MACH 10-24X1	3
9	1-861-010032-03	WASHER, FLAT #10 ZP/CD	3
10	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	4
11	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
12	1-861-010034-07	WASHER,LKG,HLCL SPR, NO 10	3
13	163996	LIGHT,12V SQUARE LED FLOOD **(INCLUDES MOUNTING HARDWARE)** **(ELECTRICAL SYSTEM - SEE PAGE 9-19)**	2
14	184501	STROBE BEACON DEUTSCH CONN **(ELECTRICAL SYSTEM - SEE PAGE 9-19)**	1
15	199791	BRACKET WLDMT LIGHT SUPPORT TP	1
16	199792	BRACKET WLDMT LIGHT SUPPORT BT	1

Mud Flaps

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



Streetside Assembly Shown

Figure 2-18: Mud Flaps

Mud Flaps

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	4
2	1-654-010051-13	SCREW,HX CP,3/8-16UNCX3,GR5	4
3	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	4
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	2
5	201496	SCREW,HX CAP, 1/2-13X3.25 GR8	2
6	223247	NUT, 1/2-13 UNC FLG LOCK GR G	2
7	243366	GALV TUBE MUDFLAP MNT 343	1
8	3-485-010001	FLAP, MUD 21 IN	1
9	3-762-010017	CLAMP MUD FLAP	1
10	252188	PLUG SQR TBE 2" - 10-14GA **(ADDED 09/25/2024)**	1
11	254479	WASHER FLT 1/2"X2" SQ YZP 3/16	2

Table provided for general use.

NOTES:

Suspension Assembly

Axle 12.25 x 7.50 Drum Brake Components

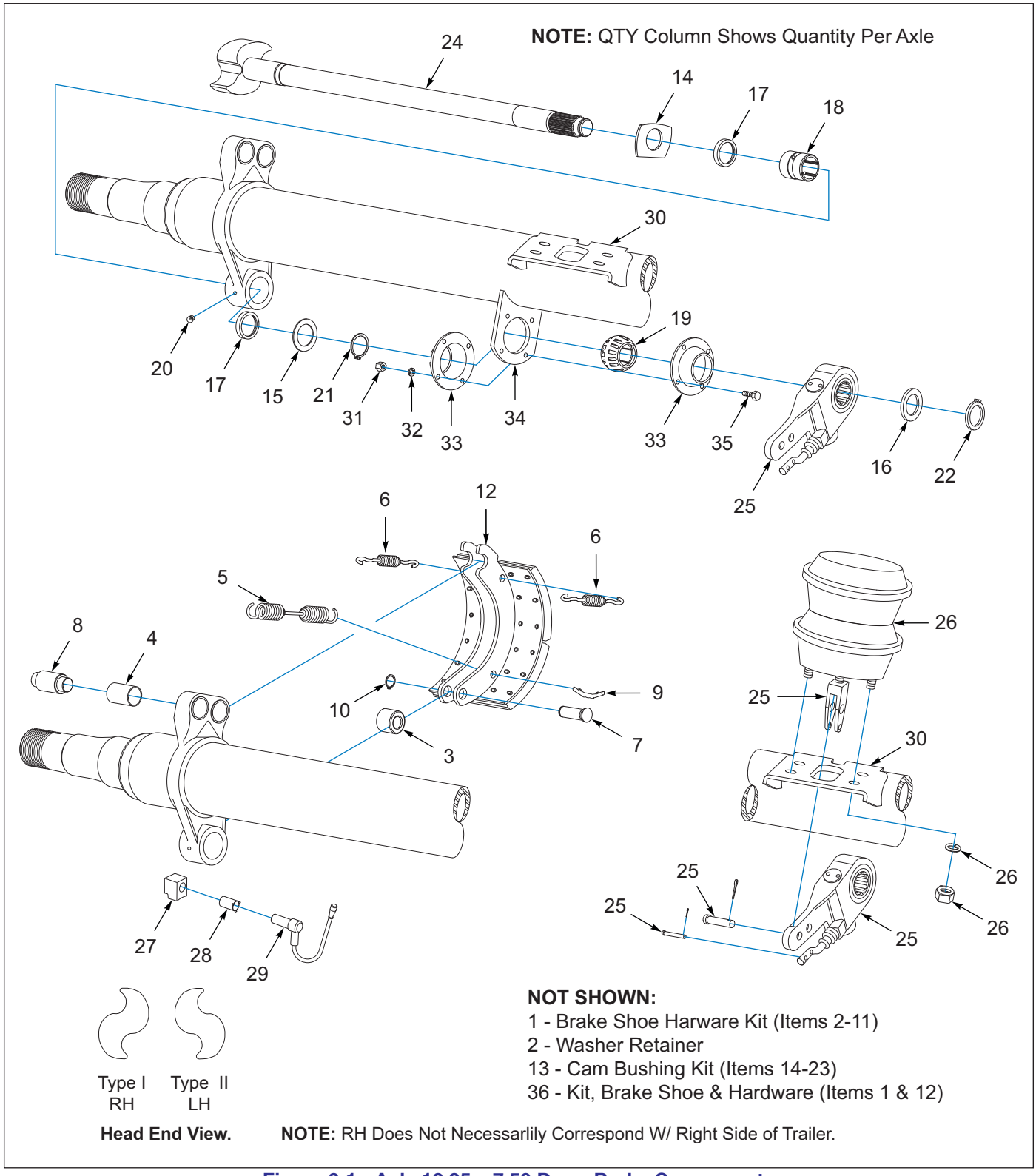


Figure 3-1: Axle 12.25 x 7.50 Drum Brake Components

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)**	- -
	212381	AXLE 77 12.25SPG 25K TIS **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
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 **(1 KIT PER BRAKE) (INCLUDES ITEMS 14-23)**	2
14	005-074-00	WASHER D-CAM DEXTER **(ITEM 13 INCLUDES 1 EACH)**	2
15	403149	WASHER RETAINER **(ITEM 13 INCLUDES 2 EACH)**	2
16	113819	CAMSHAFT WASHER 28 SPLINE **(ITEM 13 INCLUDES 1 EACH)**	2
17	408101-001	SPIDER SEALR **(ITEM 13 INCLUDES 2 EACH)**	4
18	405129	SPIDER BUSHING **(ITEM 13 INCLUDES 1 EACH)**	2
19	405999-001	NYLON BUSHING CAM BRKT ASSY **(ITEM 13 INCLUDES 1 EACH)**	2
20	061-003-00	GREASE FITTING-SPIDER DEXTER **(ITEM 13 INCLUDES 1 EACH)**	2
21	214104	CAM LOCK RING **(ITEM 13 INCLUDES 2 EACH)**	2
22	069-078-00	SNAP RING **ITEM 13 INCLUDES 1 EACH)**	2
23	- - - - -	INSTRUCTION SHEET **(NOT SHOWN) (ITEM 13 INCLUDES 1 EACH)**	1
24	034-188-03	CAMSHAFT LH 28SPLINE 22-5/16 **(FOR 212378)**	1
24	034-189-03	CAMSHAFT RH 28SPLINE 22-5/16 **(FOR 212378)**	1
24	136991	CAM LH 28 SPLINE 23-3/8 **(FOR 212381)**	1
24	136992	CAM RH 28 SPLINE 23-3/8 **(FOR 212381)**	1
25	127777	SLACK ADJ AUTO 12-1/4X7-1/2 **(INCLUDES CLEVIS, PINS, GAGE & INSTRUCTIONS)**	2
26	138719	SPRING BRAKE TYPE 30/30	2
27	103805	ABS SENSOR BLOCK	2
28	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

Axle 12.25 x 7.50 Drum Brake Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
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

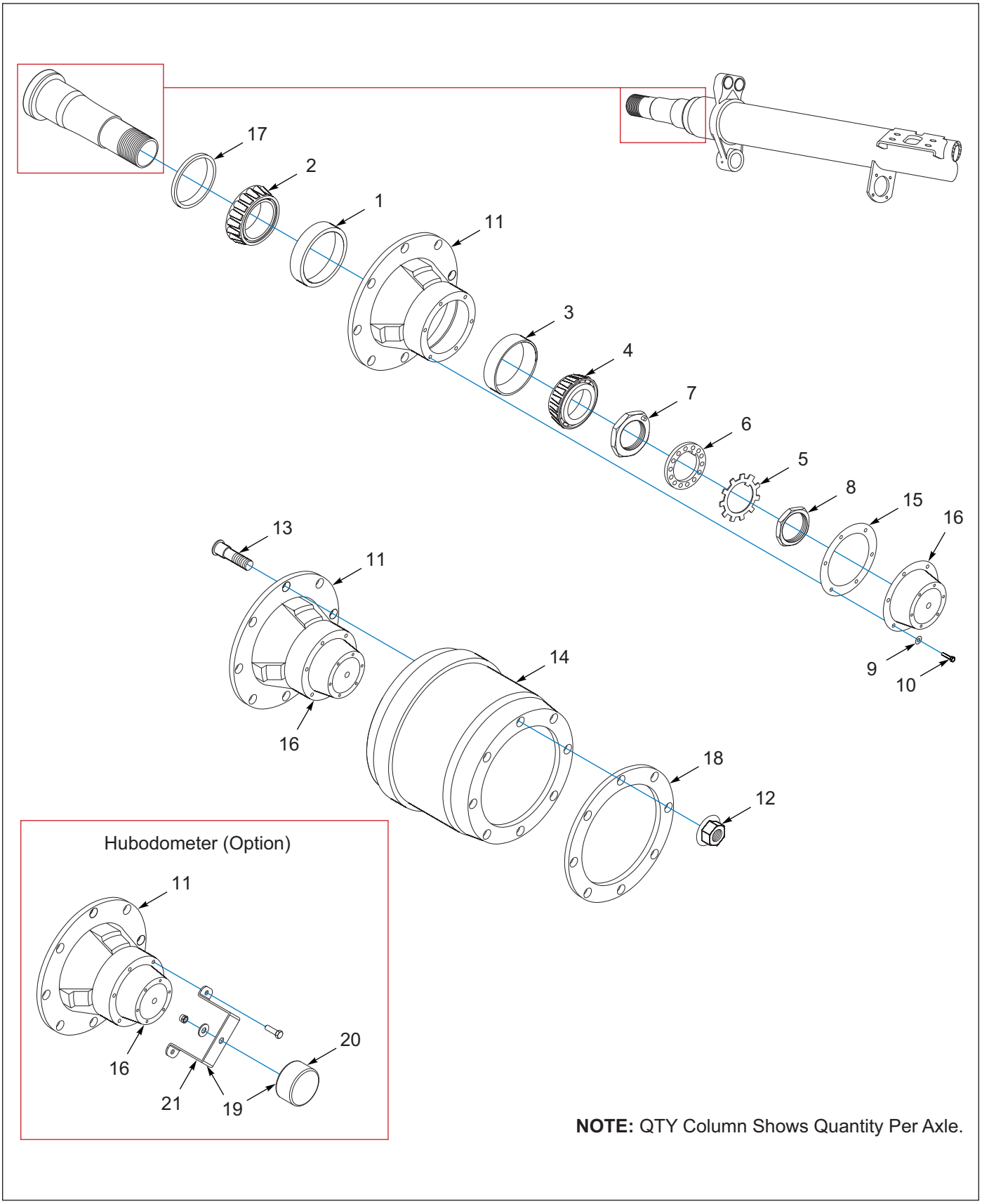


Figure 3-2: Axle 12.25 x 7.50 Drum & Hub Components

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 TONE RING) (INCLUDES ITEMS 1, 3, 13)**	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	113536	STUD RH 22MM 3.5 STANDOUT **(3.5 STANDOUT) (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) (INCLUDED WITH ITEM 19)**	1
21	197606	BRACKET HUBODOMETER 4"H TIS **(OPTION) (INCLUDED WITH ITEM 19)**	1

Axle 12.25 Disc Brake & Hub Components (Option)

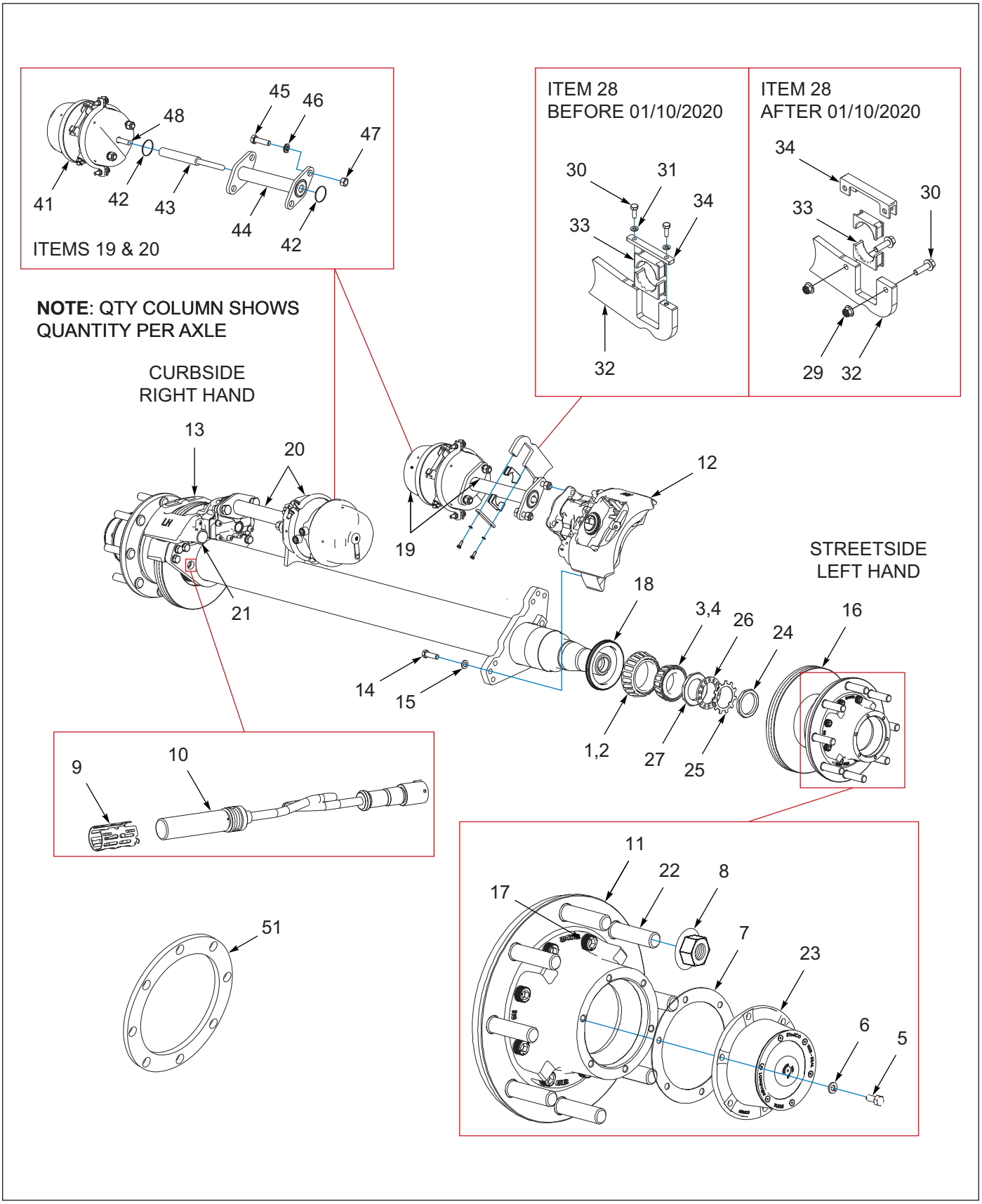
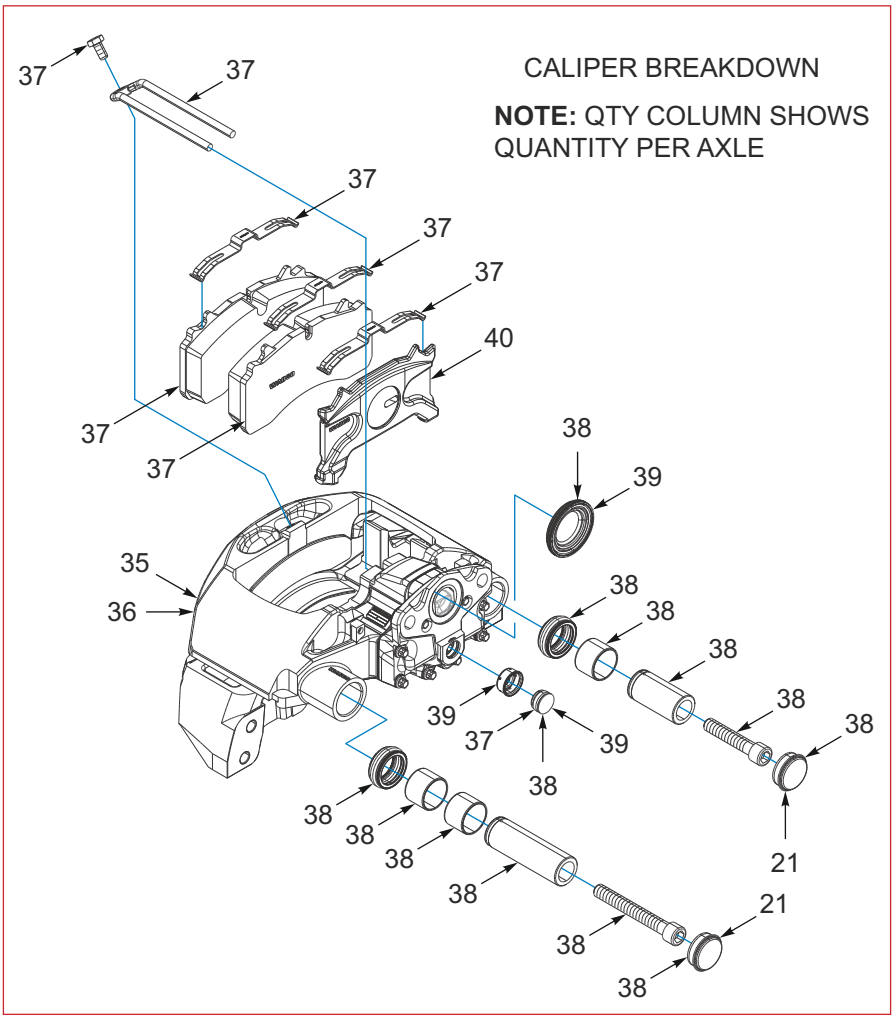


Figure 3-3: Axle 12.25 Disc Brake & Hub Components (Option) (1 of 2)



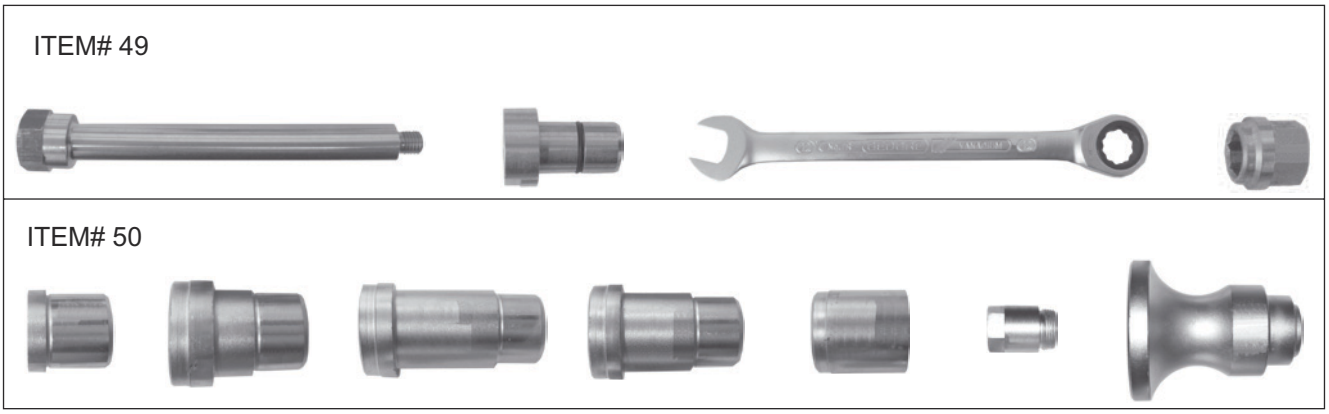


Figure 3-4: Axle 12.25 Disc Brake & Hub Components (Option) (2 of 2)

Axle 12.25 Disc Brake & Hub Components (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	220658	AXLE 12.25 DSC 77 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
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

Axle 12.25 Disc Brake & Hub Components (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
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

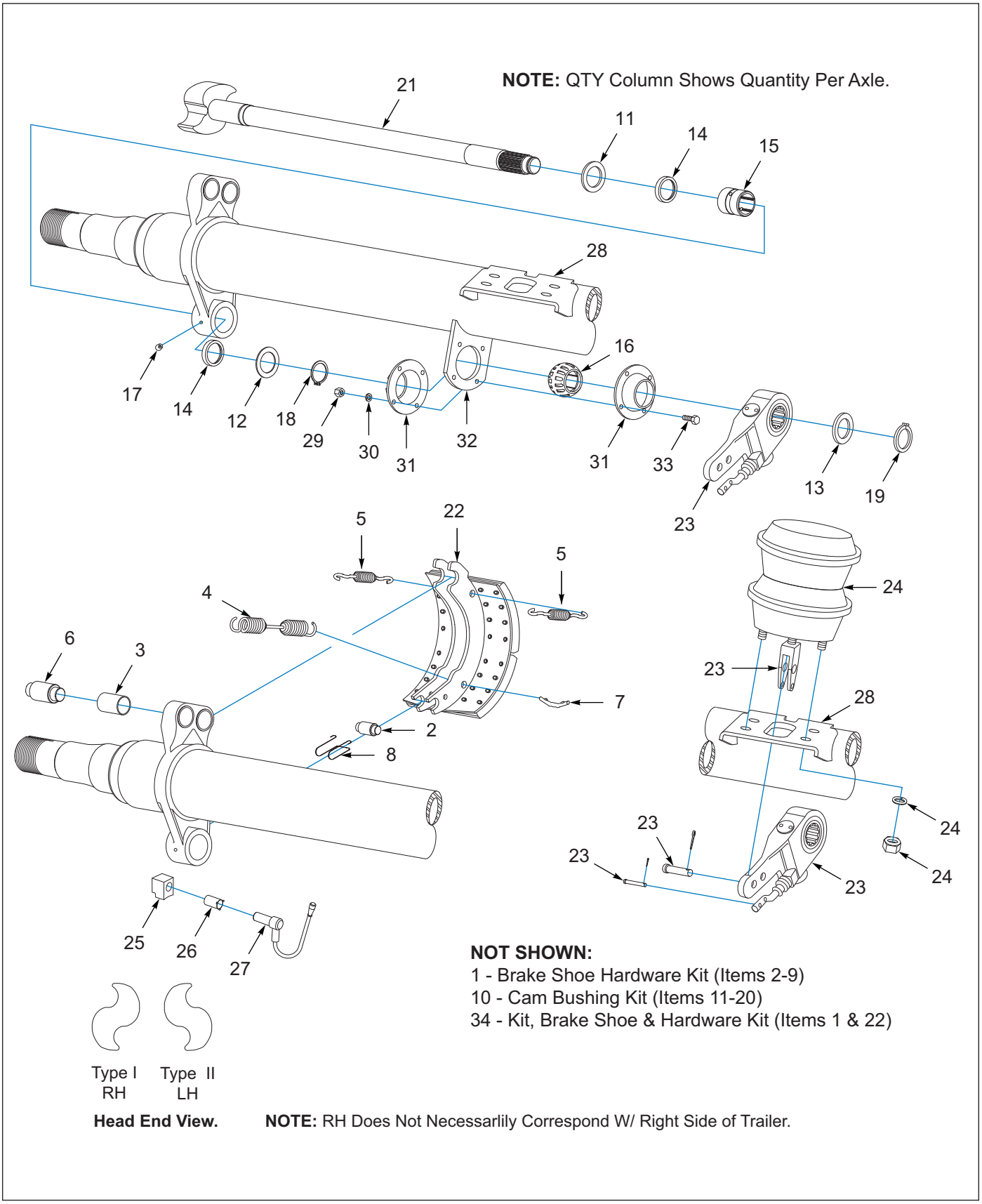


Figure 3-5: Axle 16.50 x 7.00 Drum Brake Components

Axle 16.50 x 7.00 Drum Brake Components

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

Axle 16.50 x 7.00 Drum & Hub Components

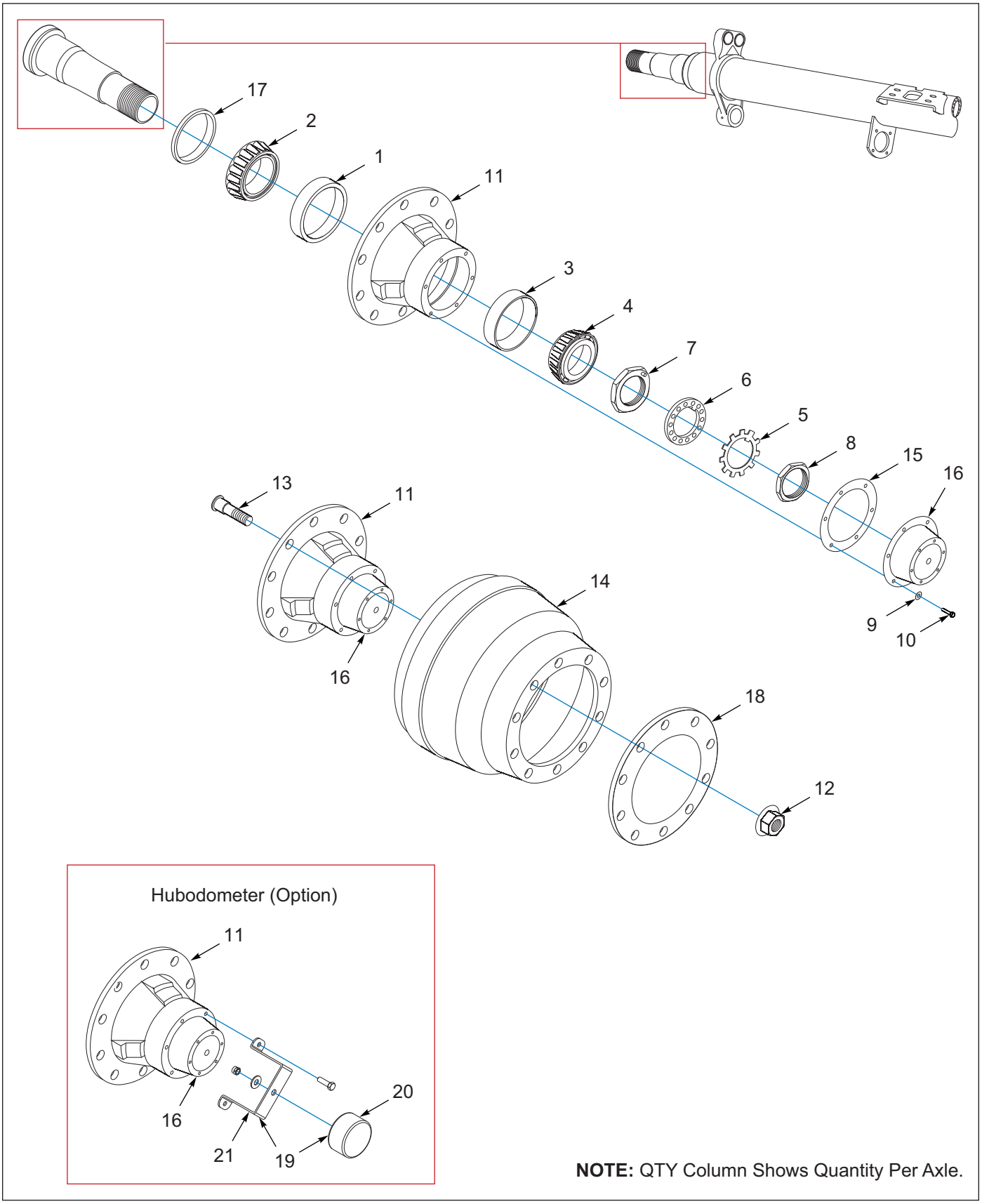


Figure 3-6: Axle 16.50 x 7.00 Drum & Hub Components

Axle 16.50 x 7.00 Drum & Hub Components

ITEM	PART NUMBER	DESCRIPTION	QTY.
	- - - - -	AXLE WELDMENT 2516 SPRING **(DRUM BRAKE STANDARD) (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	113536	STUD RH 22MM 3.5 STANDOUT **(3.5 STANDOUT) (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 USED BETWEEN INNER AND OUTER WHEELS)**	2
19	137108	HUBODOMETER INSTL 255TIRE **(572RPM) (OPTION INCLUDES ITEMS 20, 21)**	1
20	113109	HUBODOMETER 572 RPM **(INCLUDED WITH ITEM 19)**	1
21	197606	BRACKET HUBODOMETER 4"H TIS **(INCLUDED WITH ITEM 19)**	1

Axle 16.50 Disc Brake & Hub Components (Option)

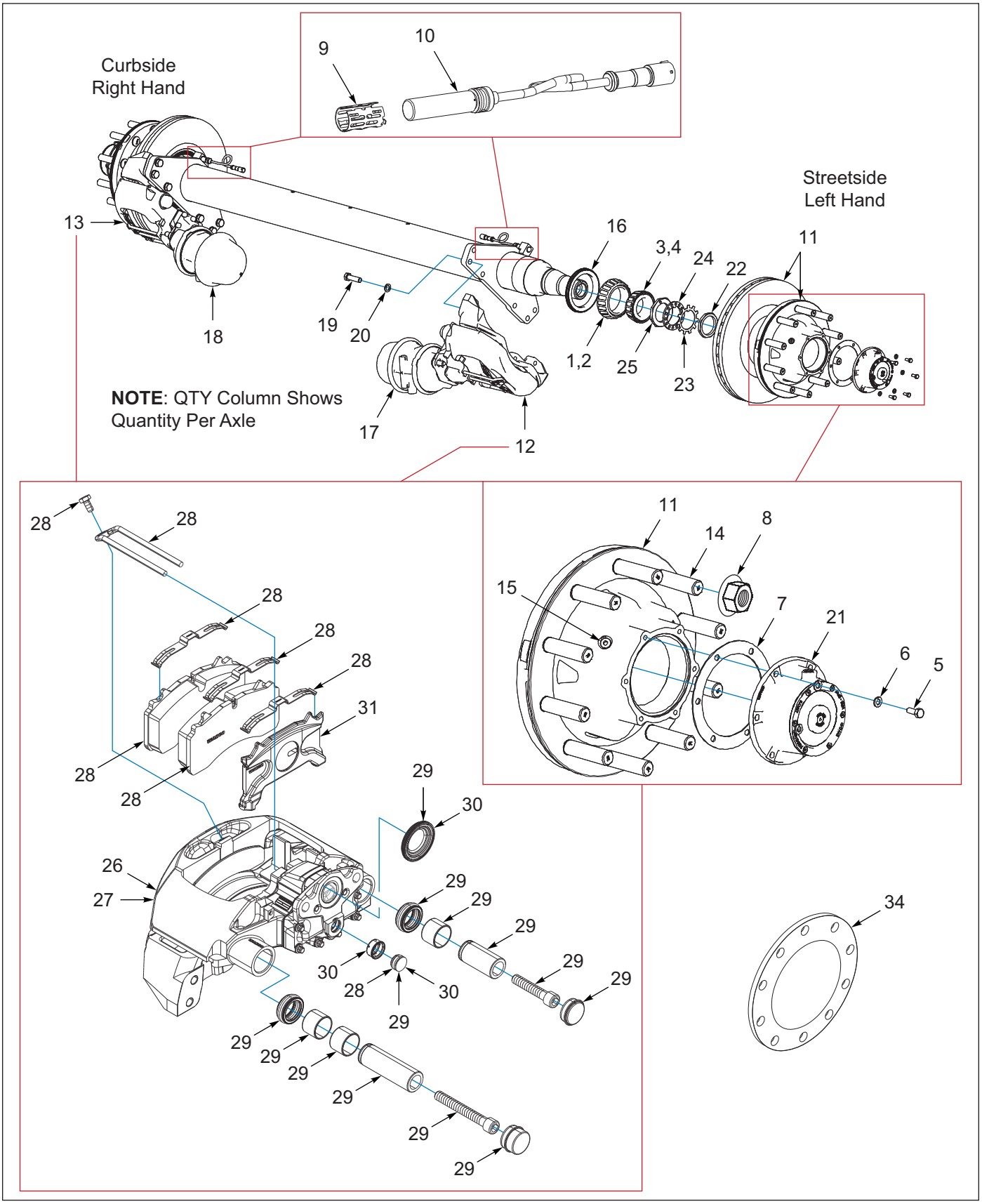


Figure 3-7: Axle 16.50 Disc Brake & Hub Components (Option) (1 of 2)

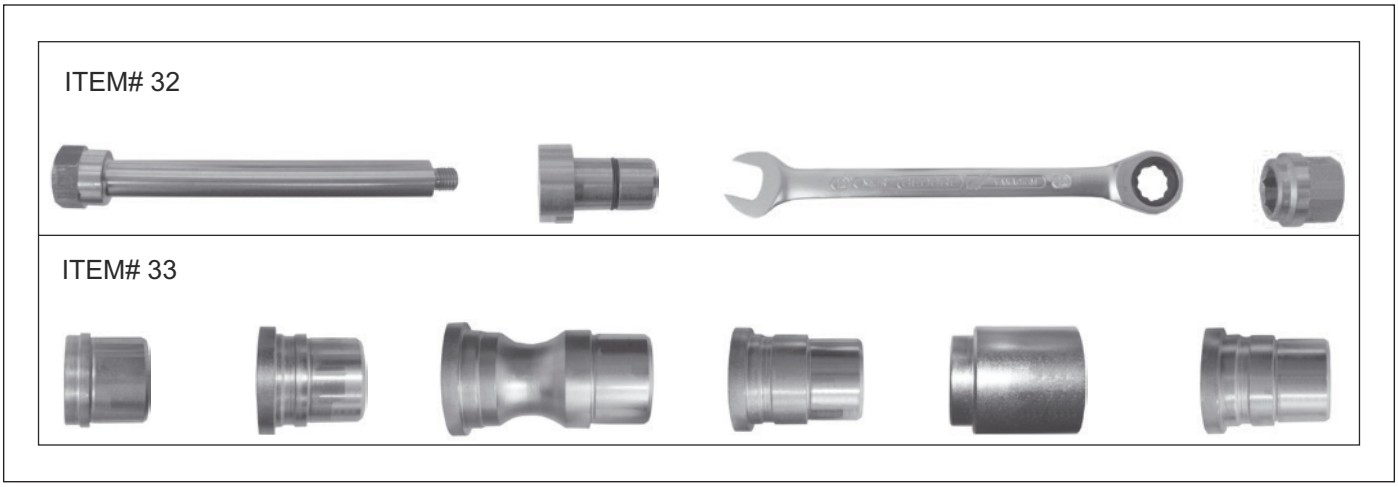


Figure 3-8: Axle 16.50 Disc Brake & Hub Components (Option) (2 of 2)

Axle 16.50 Disc Brake & Hub Components (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	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
28	235221	PAD KIT PAN22 DSC 1AX **(1 KIT PER AXLE) (INCLUDED WITH ITEMS 12-13)**	1

Axle 16.50 Disc Brake & Hub Components (Option)

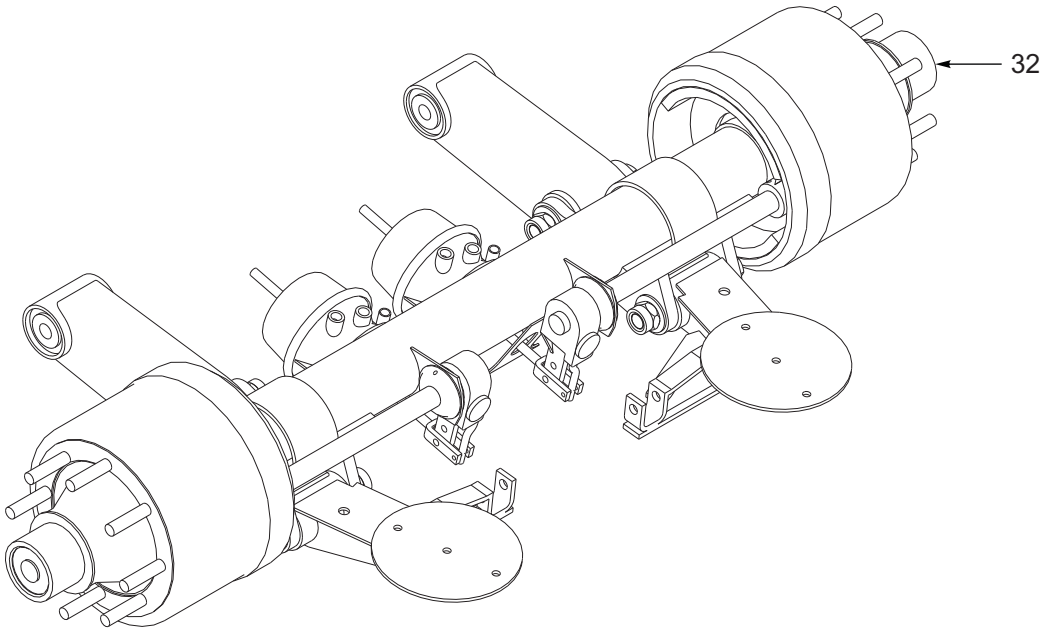
ITEM	PART NUMBER	DESCRIPTION	QTY.
29	238556	GUIDE BOLT & SEAL KIT PAN22 **(PER CALIPER) (INCLUDED WITH ITEMS 12-13)**	1
30	236537	SEAL KIT CLAMPING UNIT **(PER CALIPER) (INCLUDED WITH ITEMS 12-13)**	1
31	238557	PRESSURE PLT DSCBKCALIPRPAN22 **(INCLUDED WITH ITEMS 12-13) (INCLUDES 1-LH PLATE, 1-RH PLATE)**	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 USED BETWEEN INNER AND OUTER WHEELS)**	2

Table provided for general use.

NOTES:

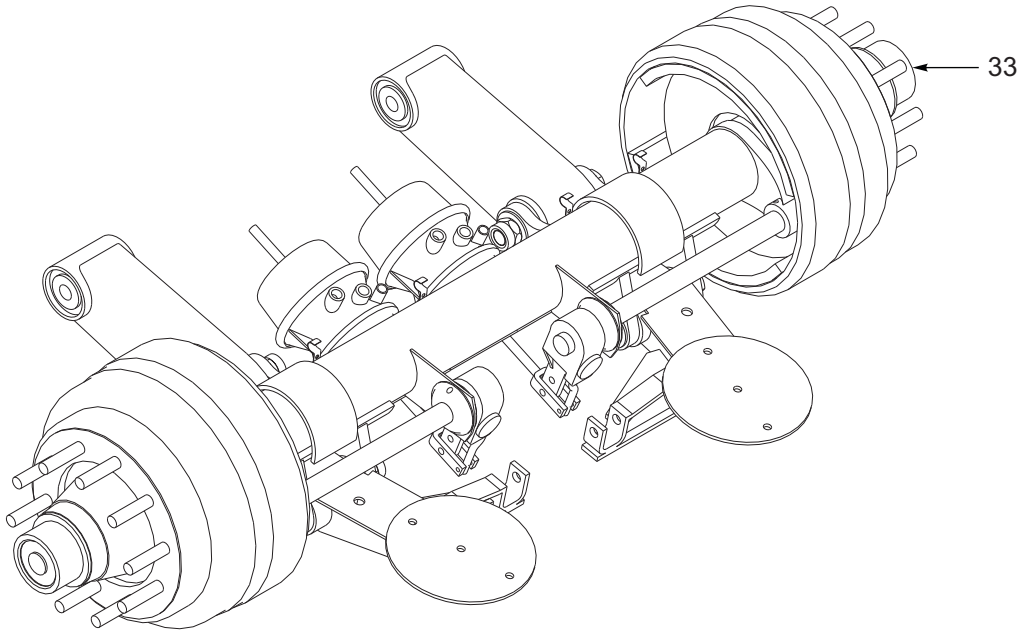
Axle Suspension, RLU-228, 12.25 & 16.50

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 & 16.50 (1 of 2)

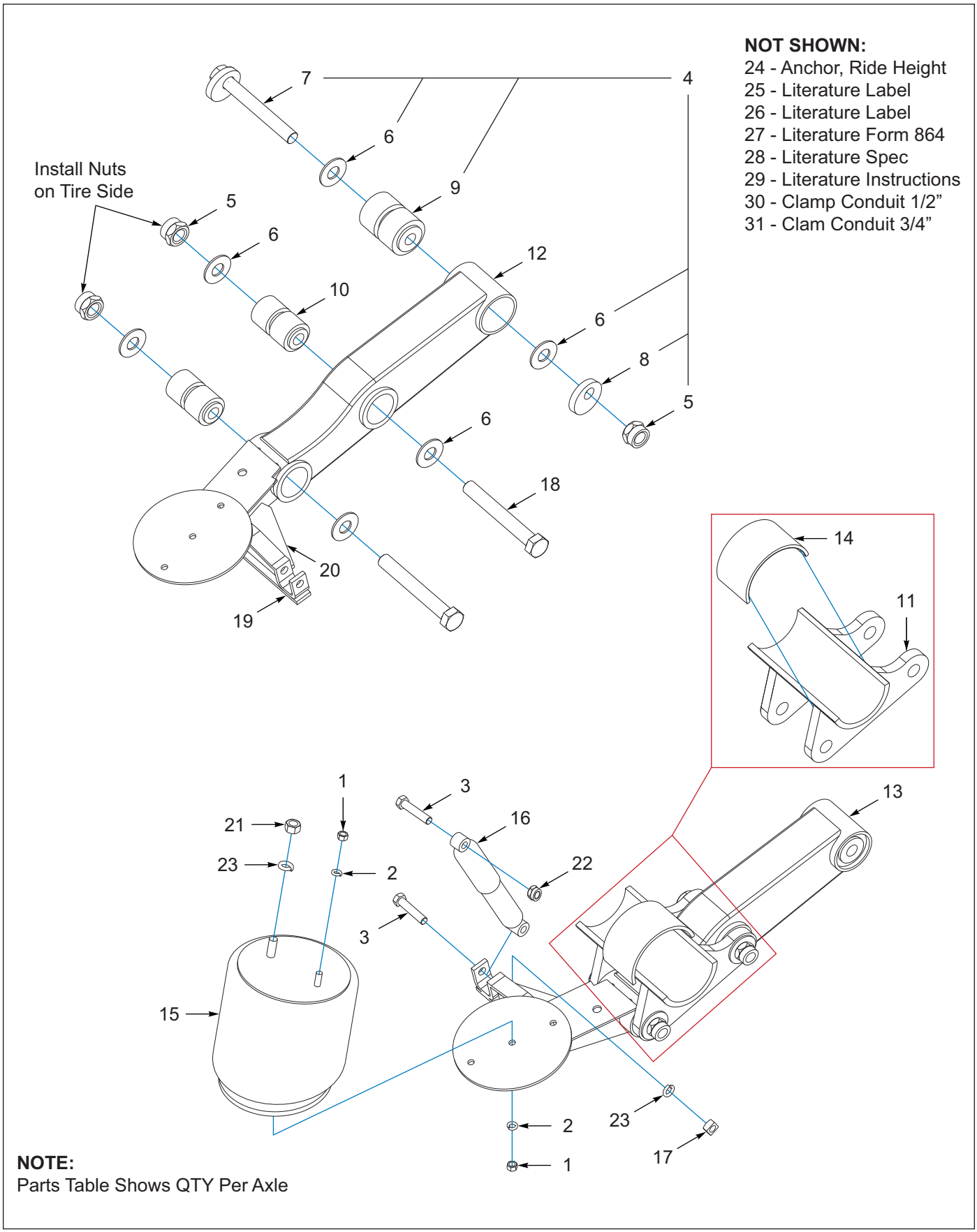


Figure 3-10: Axle Suspension, RLU-228, 12.25 & 16.50 (2 of 2)

Axle Suspension, RLU-228, 12.25 & 16.50

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 3-29)**	2
16	111017	SHOCK NEWAY 90044642 **(16.5 X 7 BRAKES) (SHOCK STRAP - SEE PAGE 3-30)**	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

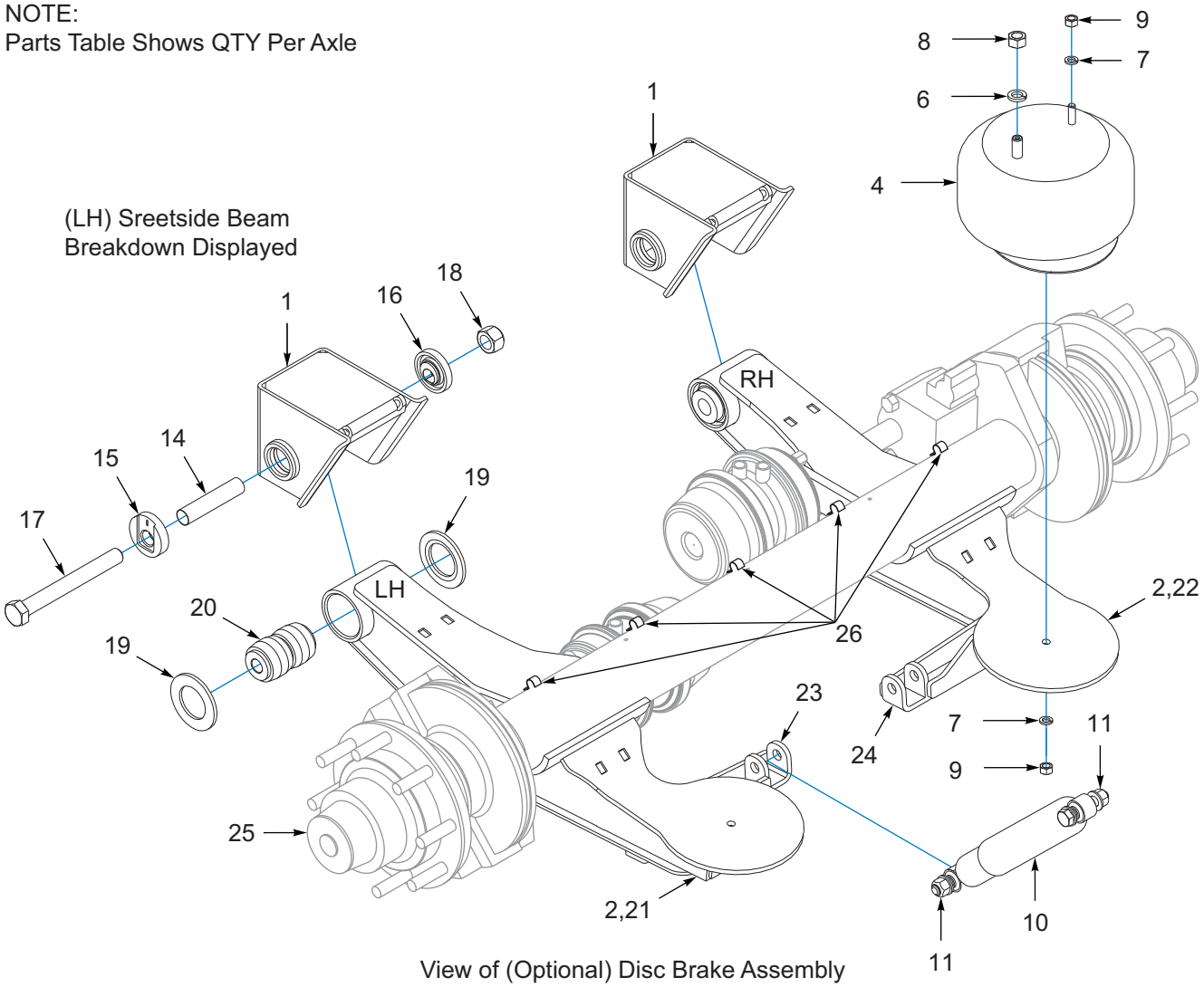
Axle Suspension, RLU-228, 12.25 & 16.50

ITEM	PART NUMBER	DESCRIPTION	QTY.
29	- - - - -	LITERATURE INSTRUCTIONS **(NOT SHOWN)**	1
30	3-181-010034-1	CLAMP CONDUIT STEEL 1/2 **(NOT SHOWN)**	6
31	3-181-010034-2	CLAMP CONDUIT STEEL 3/4 **(NOT SHOWN)**	4
32	- - - - -	AXLE & BEAM ASSEMBLY **(12.25 X 7.5 BRAKES)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -
33	- - - - -	AXLE & BEAM ASSEMBLY **(16.5 X 7 BRAKES)** **(VIN / NIV REQUIRED, CALL FOR ASSISTANCE)**	- -

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

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 3-11: Axle Suspension, LSS-25K-3.5 RLU CC, 12.25

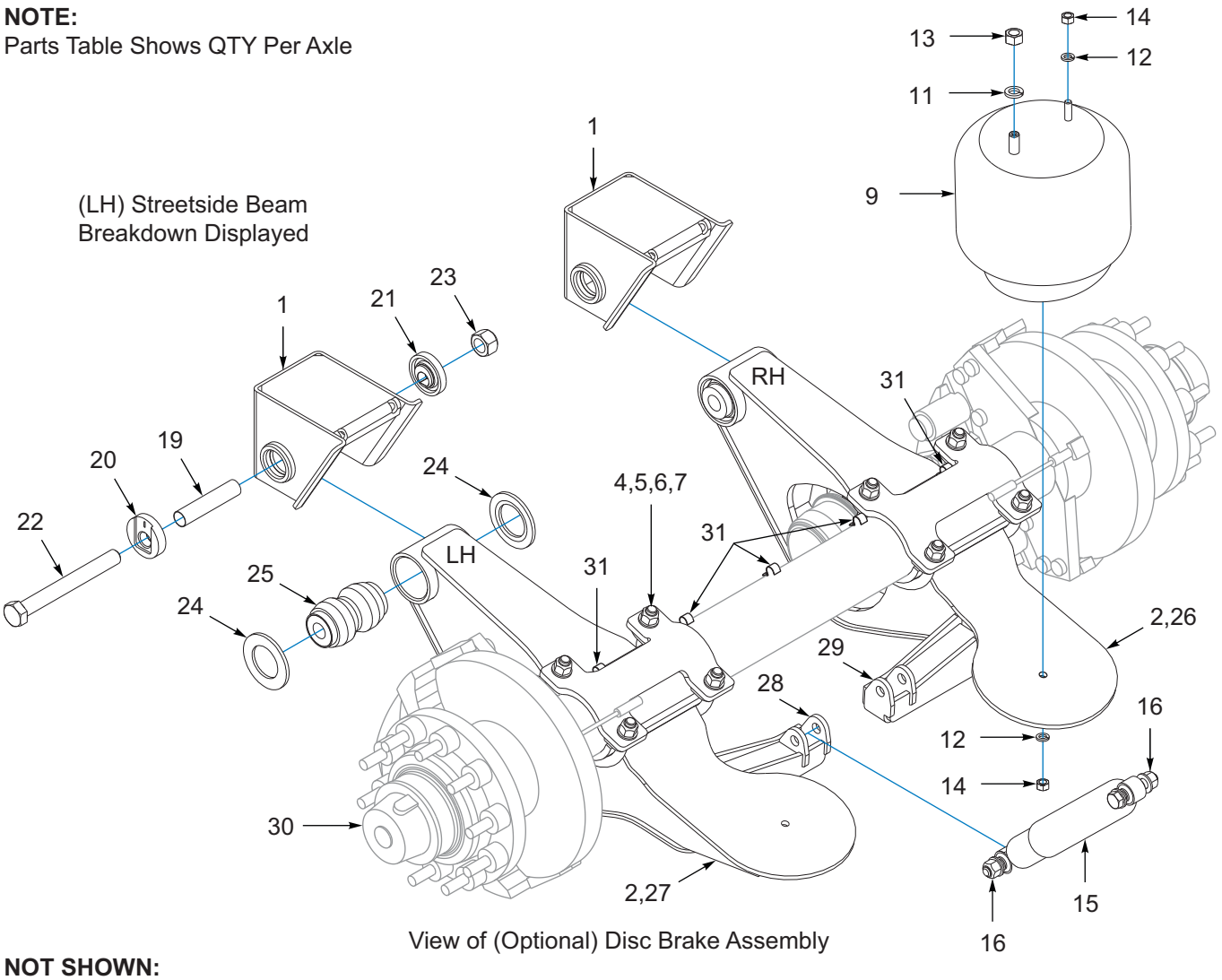
Axle Suspension, LSS-25K-3.5 RLU CC, 12.25

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 3-31)**	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 CC, 16.50

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

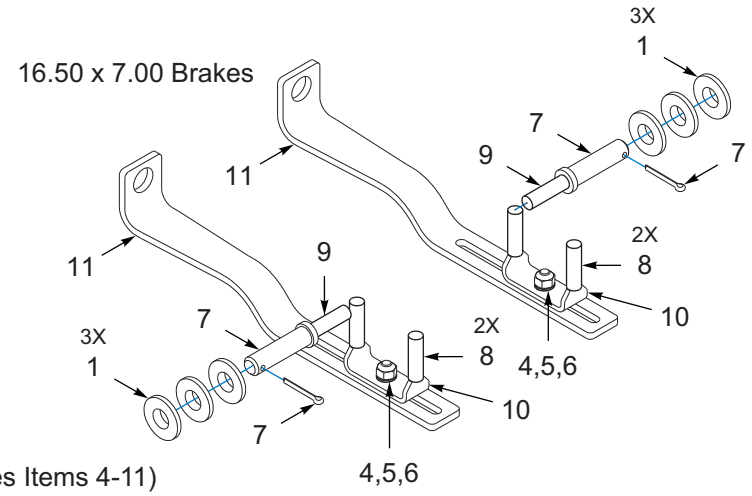
NOT SHOWN:
3 - U-Bolt Kit (Items 4-7)
8 - Susp Fastener Kit (Items 9-16, 18)
10 - Air Spring Hardware Kit (Items 11-14)
17 - Pivot Hdware W/ Bushing (Items 19-25)
18 - Pivot Hdware WO/ Bushing (Items 19-24)

Figure 3-12: Axle Suspension, LSS-25K-5.5 RLU CC, 16.50

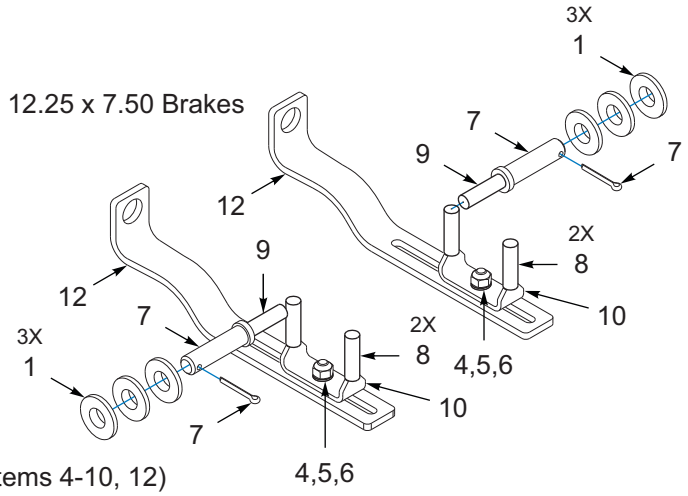
Axle Suspension, LSS-25K-5.5 RLU CC, 16.50

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-RLU/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 3-32)**	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

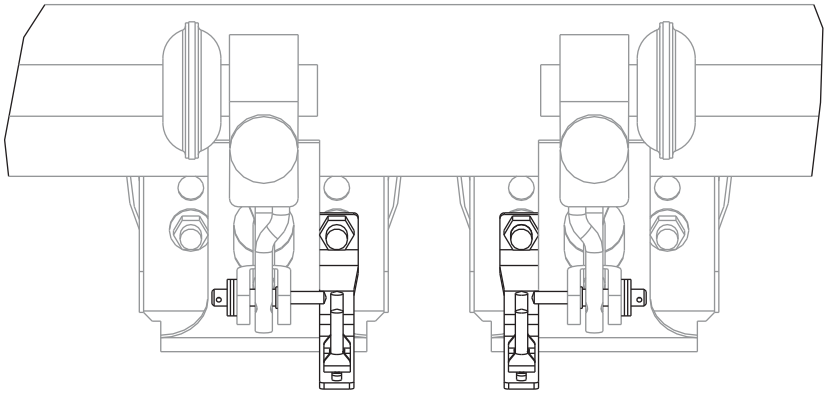
Brake Stroke Indicator, Drum Brakes Only (Option)



NOT SHOWN:
2 - Brake Indicator Kit (Includes Items 4-11)



NOT SHOWN:
3 - Brake Indicator Kit (Includes Items 4-10, 12)



Mounts to Axle Spring Brake Mount Studs

NOTE:
Parts Table Shows QTY Per Axle

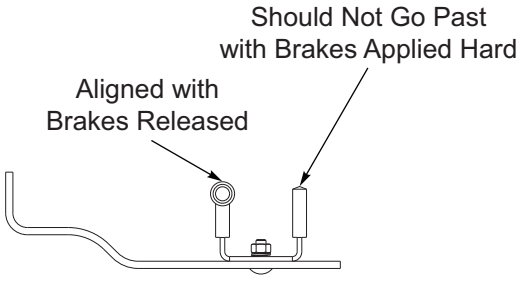


Figure 3-13: Brake Stroke Indicator, Drum Brakes Only (Option)

Brake Stroke Indicator, Drum Brakes Only (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	186931	BRAKE INDICATOR LG BRAKESAFE **(16.50 X 7.00 DRUM BRAKES) (INCLUDES ITEMS 1-2)**	1
	186932	BRAKE INDICATOR SHT BRAKESAFE **(12.25 X 7.50 DRUM BRAKES) (INCLUDES ITEMS 1, 3)**	1
1	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	6
2	186923	BRAKE INDICATOR LG BRAKESAFE **(16.50 X 7.00 BRAKES) (INCLUDES ITEMS 4-11)**	1
3	186924	BRAKE INDICATOR SHT BRAKESAFE **(12.25 X 7.50 BRAKES) (INCLUDES ITEMS 4-10, 12)**	1
4	- - - - -	NUT, HEX 1/4-20 GR2 ZP **(INCLUDED WITH ITEMS 2-3)**	2
5	- - - - -	WASHER, LKG HLCL SPR, 1/4 **(INCLUDED WITH ITEMS 2-3)**	2
6	- - - - -	BOLT, CARRIAGE 1/4-20X3/4 **(INCLUDED WITH ITEMS 2-3)**	2
7	- - - - -	BRAKE PIN **(INCLUDED WITH ITEMS 2-3)**	2
8	- - - - -	BRAKE CAP, YELLOW **(INCLUDED WITH ITEMS 2-3)**	4
9	- - - - -	BRAKE CAP, RED **(INCLUDED WITH ITEMS 2-3)**	2
10	- - - - -	BRAKE GOALPOST, 2 INCH	2
11	- - - - -	BRAKE BRACKET **(16.50 X 7.00 BRAKES) (INCLUDED WITH ITEM 2)**	2
12	- - - - -	BRAKE BRACKET**(12.25 X 7.50 BRAKES) (INCLUDED WITH ITEM 3)**	2

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

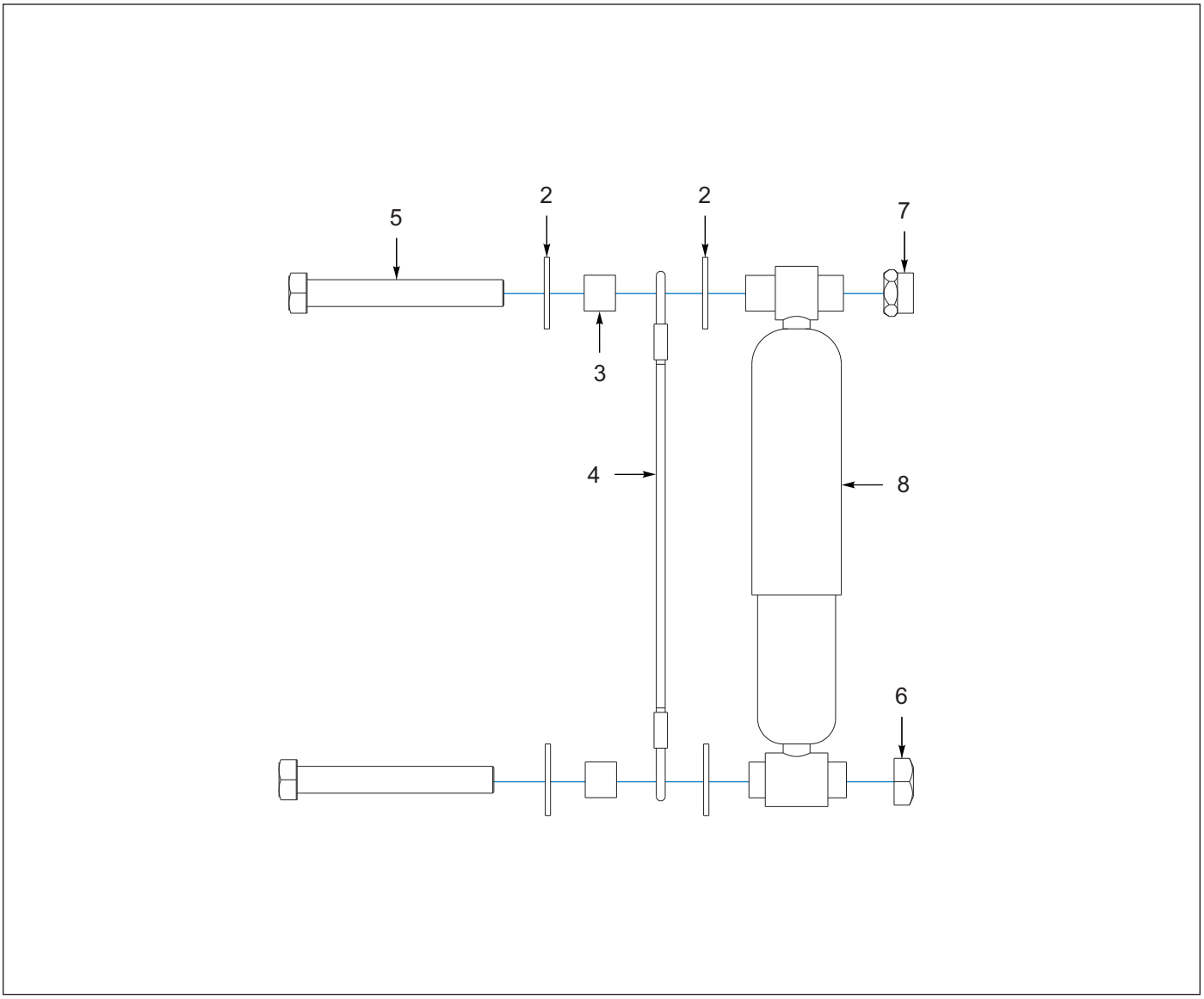


Figure 3-14: Shock Strap, Limit, RLU 228-3.5 (Option)

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)

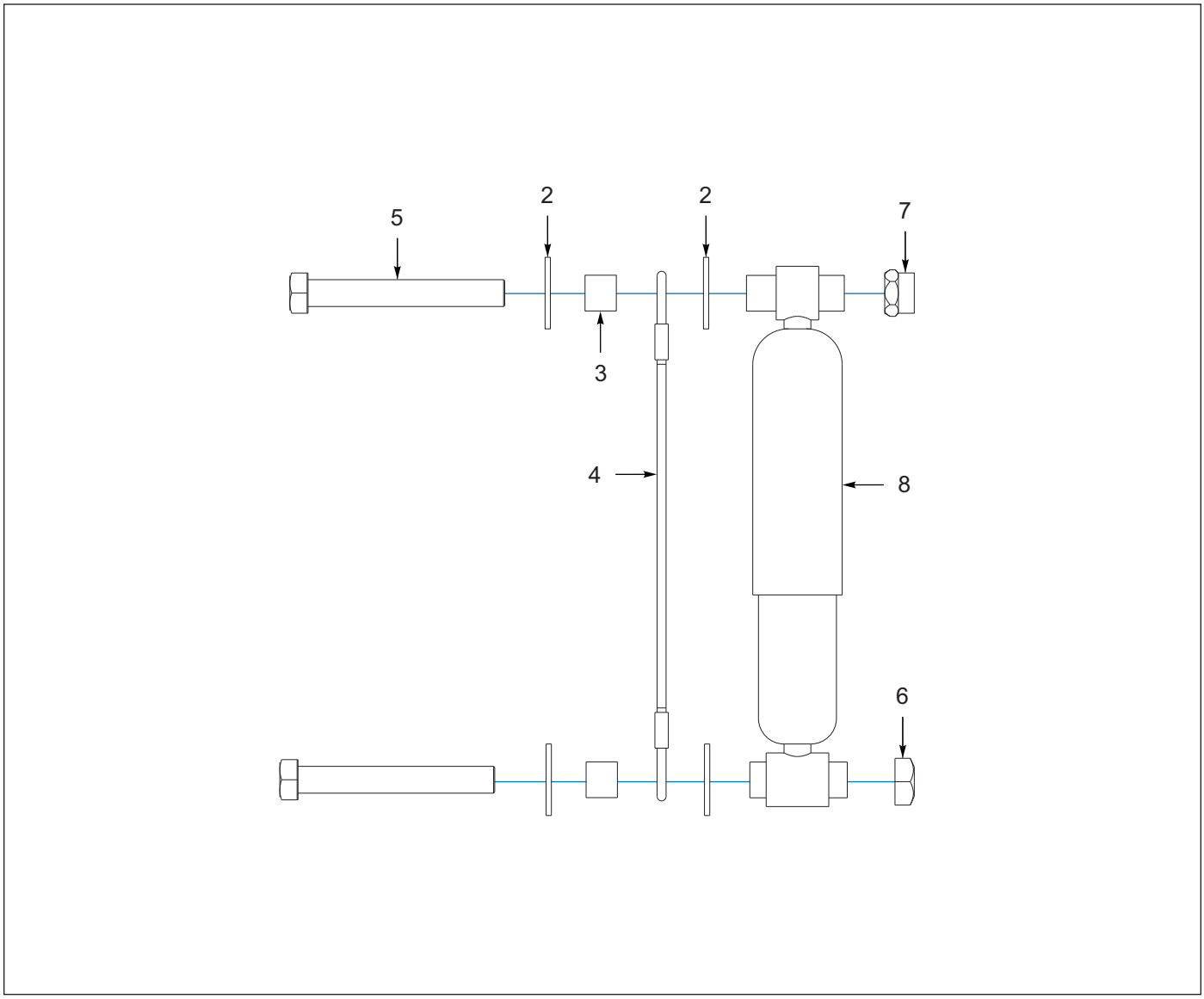


Figure 3-15: Shock Strap, Limit, RLU 228-5.5 (Option)

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)**	- -
	163746	LIMIT STRAP SHCK 2AX RLU 228-5.5 **(INCLUDES 4 KITS, ITEM 1)**	- -
	162403	LIMIT STRAP SHOCK 3AX RLU228-5.5 **(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)

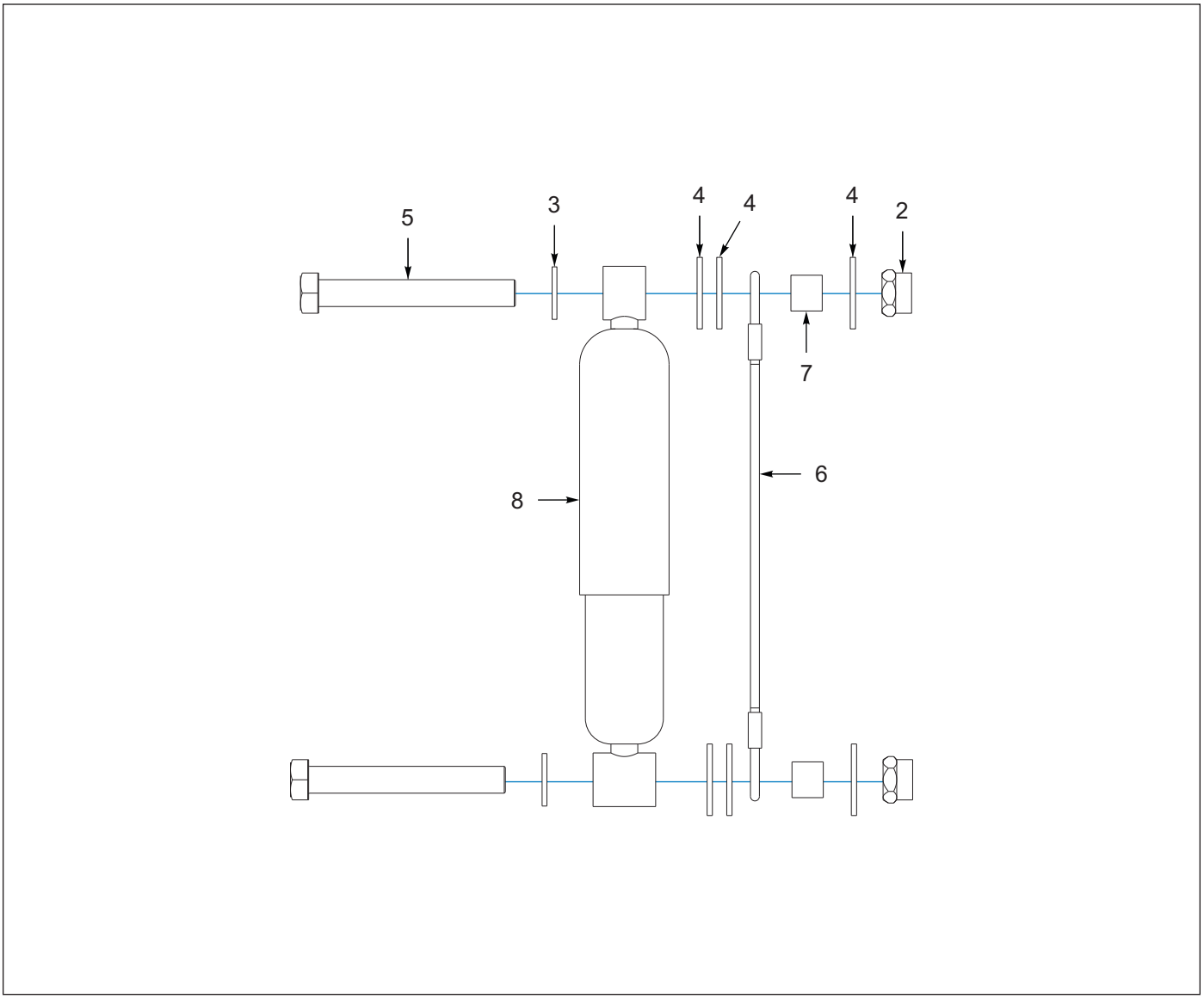


Figure 3-16: Shock Strap, Limit, LSS-25K-3.5 (Option)

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)

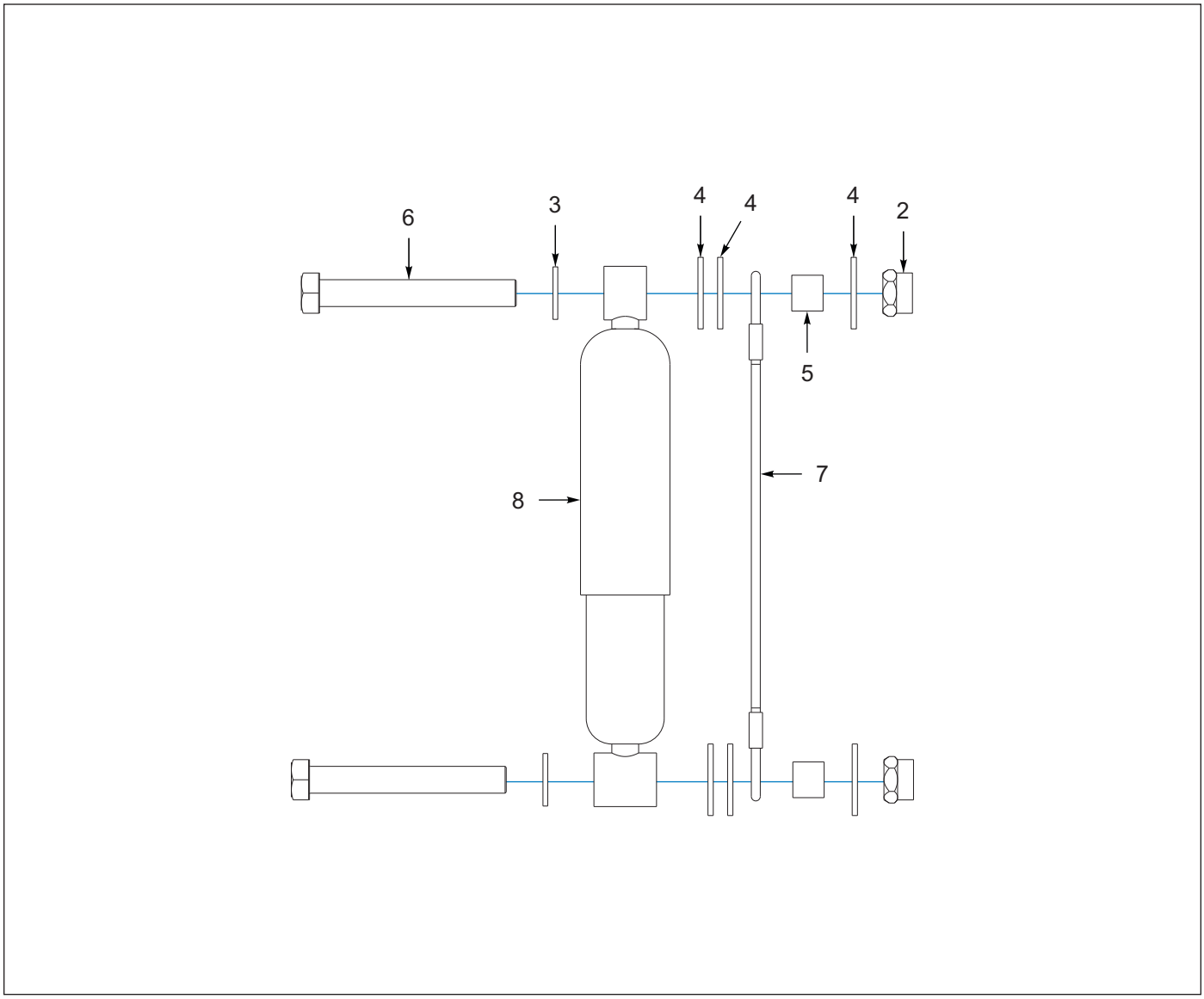


Figure 3-17: Shock Strap, Limit, LSS-25K-5.5 (Option)

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	170120	TUBE, RD 1 ODX .782 ID X 11/16	2
6	172883	SCREW HX CP,3/4-10X5 GR8 ZP	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

Tire & Wheel Assemblies, 17.50 x 6.75

IMPORTANT: If ordering Tire Assemblies or Replacement Wheels, provide the Dealer with the Trailer Vin Number to properly identify original parts.

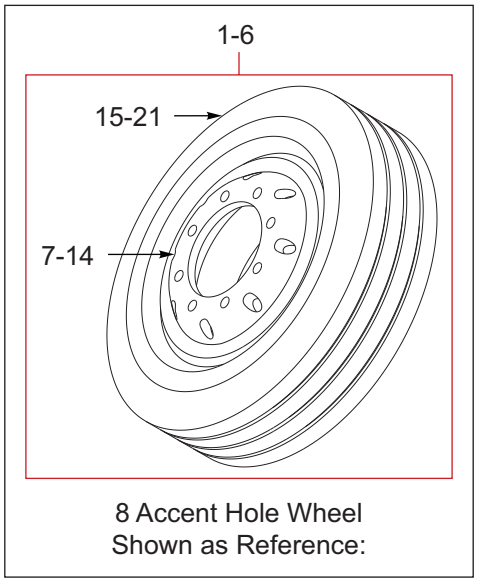
Items 1-6 are the most common Tire Assemblies.

Tire Assemblies come with tire, wheel, and valve stem.

Additional assemblies are available for the wheels and tires listed in Items 7-21.

Main Characteristics Table:

Item	Wheel	Studs	Bolt Pattern	Hub Bore	Offset
7-10	17.5 X 6.75	8	10.827 (275 mm)	8.70 (221.1 mm)	5.55
11-13	17.5 X 6.75	8	10.827 (275 mm)	9.00 (228.6 mm)	5.60
14	17.5 X 6.75	8	10.827 (275 mm)	8.70 (221.1 mm)	5.55



8 Accent Hole Wheel
Shown as Reference:

NOT SHOWN:
22 - Valve Stem Extension (Option)

Figure 3-18: Tire & Wheel Assemblies, 17.5 x 6.75

Tire & Wheel Assemblies, 17.50 x 6.75

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	147485	TIRE ASSY235/75R17.5DC STL PLT **(INCLUDES ITEMS 12, 14)**	1
2	230731	TIRE ASSY 235/75R17.5 DC BLK **(INCLUDES ITEMS 11, 14)**	1
3	204070	TIRE ASSY 235/75R17.5 CON STL **(INCLUDES ITEMS 12, 15)**	1
4	204071	TIRE ASSY235/75R17.5CON POL AL **(INCLUDES ITEMS 7, 15)**	1
5	204210	TIRE ASSY 245/70R17.5 MICH STL **(INCLUDES ITEMS 12, 19)**	1
6	204208	TIRE ASSY 245/70R17.5 MICH POL **(INCLUDES ITEMS 7, 19)**	1
7	100402	WHEEL POL ALUM PILOT17.5X6.75 **(USES TR-553C VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM) (ALCOA, ACCURIDE)**	1
8	112047	WHEEL AL PILOT 17.5X6.75 MACH **(USES 100401 VALVE STEM) (8 ACCENT HOLES, MACHINED, ALUMINUM)**	1
9	232809	WHEEL AL PILOT 17.5X6.75 (POL) **(USES 238615 VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM) (FLEETSIDE)**	1
10	223938	WHEEL AL PILOT 17.5X6.75 POL **(USES 236462 VALVE STEM) (10 ACCENT HOLES, POLISHED, ALUMINUM) (FLEETSIDE)**	1
11	224322	WHEEL AL PLT MT 17.5X6.75 D-BT **(USES 100401 VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM) (DURA-BRIGHT)**	1
12	230730	WHEEL DISC PLT MNT 17.5X6.75 **(USES TR500 VALVE STEM) (4 HAND HOLES, PAINTED BLACK, STEEL)**	1
13	3-870-010097	WHEEL,DISC,PILOT MT 17.5X6.75 **(USES TR500 VALVE STEM) (4 ACCENT HOLES, PAINTED WHITE, STEEL)**	1
14	223938	WHEEL AL PILOT 17.5X6.75 POL **(USES 236462 VALVE STEM) (10 ACCENT HOLES, POLISHED, ALUMINUM) (FLEETSIDE)**	1
15	214487	TIRE 235/75R17.5 DC 18 PLY	1
16	204069	TIRE,235/75R17.5 CONTINENTAL	1
17	128598	TIRE 235/75R 17.5 GY G114 **(OPTION)**	1
18	136260	TIRE 235/75R17.5 KUMHO **(OPTION)**	1
19	136287	TIRE 235/75R17.5 HANKOOK **(OPTION)**	1
20	204202	TIRE245/70R17.5X-MULTI-T2 MICH	1
21	232810	TIRE 245/70R17.5 GOODYR KMAX-T **(OPTION)**	1
22	1-843-010014	VALVE EXTENSION,STEM **(OPTIONAL, RIGID STRAIGHT 3" LONG, NOT USED WITH TIRE INFLATION SYSTEMS) (NOT SHOWN)**	1

Tire & Wheel Assemblies, 22.5 x 8.25

IMPORTANT: If Ordering Tire Assemblies or Replacement Wheets, provide the Dealer with the Trailer VIN Number to properly identify original parts.

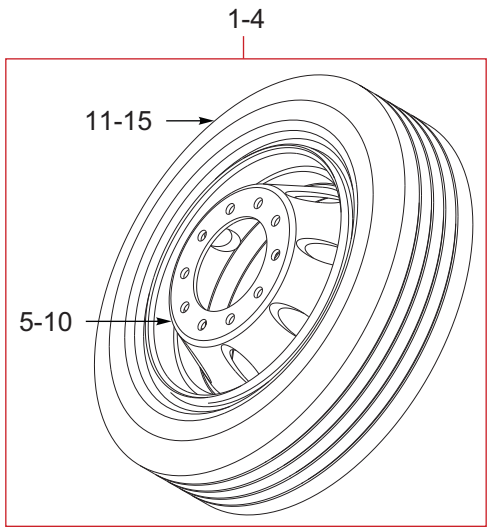
Items 1-4 are most common Tire Assemblies.

Tire Assemblis come with a Tire, Wheel, and Valve Stem.

Additional Assemblies are available for the Wheel and Tires listed in Items 5-15.

Main Characteristics Table:

Item	Wheel	Studs	Bolt Pattern	Hub Bore	Offset
5-7	22.5 X 8.25	10	11.25 (285.75 MM)	8.66 (220 MM)	6.59
8	22.5 X 8.25	10	11.25 (285.75 MM)	8.66 (220 MM)	6.60
9-10	22.5 X 8.25	10	11.25 (285.75 MM)	8.66 (220 MM)	6.62



8 Accent Hole Wheel Shown as Reference:

NOTE SHOWN:
16 - Valve Stem Extension (Option)

Figure 3-19: Tire 7 Wheel Assemblies, 22.5 x 8.25

Tire & Wheel Assemblies, 22.5 x 8.25

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	145696	TIRE ASSY 255 DC STL PLT 8.25 **(INCLUDES ITEMS 10, 12)**	1
2	145697	TIRE ASSY 255DC POL AL PLT8.25 **(INCLUDES ITEMS 5, 12)**	1
3	208053	TIRE ASSY 255/70R22.5 CONT STL **(INCLUDES ITEMS 10, 13)**	1
4	208054	TIRE ASSY 255/70R22.5 CONT PO **(INCLUDES ITEMS 5, 13)**	1
5	111416	WHEEL ALUM PLT 22.5X8.25 POL **(USES TR545D VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM)**	1
6	111417	WHEEL,ALUM,PLT 22.5X8.25 MACH **(USES TR545D VALVE STEM) (8 ACCENT HOLES, MACHINED ALUMINUM)**	1
7	134757	WHEEL AL PLT22.5X8.25 POL CTG **(USES TR545D VALVE STEM) (8 ACCENT HOLES, POLISHED COATING, ALUMINUM)**	1
8	150346	WHEEL,ALUM,DURA-BRT22.5X8.25 **(USES TR545D VALVE STEM) (8 ACCENT HOLES, POLISHED, ALUMINUM)**	1
9	111652	WHEEL,PILOT MT 22.5X8.25, PP **(USES TR573D VALVE STEM) (10 HAND HOLES, SPECIFY BLACK OR SILVER STEEL)**	1
10	3-870-010110	WHEEL,DISC,PILOT MT 22.5X8.25 **(USES TR573 VALVE STEM) (5 ACCENT HOLE, PAINTED WHITE, STEEL)**	1
11	139560	TIRE 255/70R22.5 HANKOOK **(OPTION)**	1
12	147475	TIRE 255/70R 22.5 DOUBLE COIN	1
13	208052	TIRE 255/70R22.5 CONT HSR2 SA	1
14	3-798-010023	TIRE, 255/70R22.5 GOODYEAR **(OPTION)**	1
15	3-798-010026	TIRE, 255/70R 22.5 MICHELIN **(OPTION)**	1
16	1-843-010014	VALVE EXTENSION,STEM **(OPTIONAL, RIGID STRAIGHT 3" LONG, NOT USED WITH TIRE INFLATION SYSTEMS) (NOT SHOWN)**	1

Bulkhead, Ladder and Storage (Options)

Bulkhead, Accessory Rack

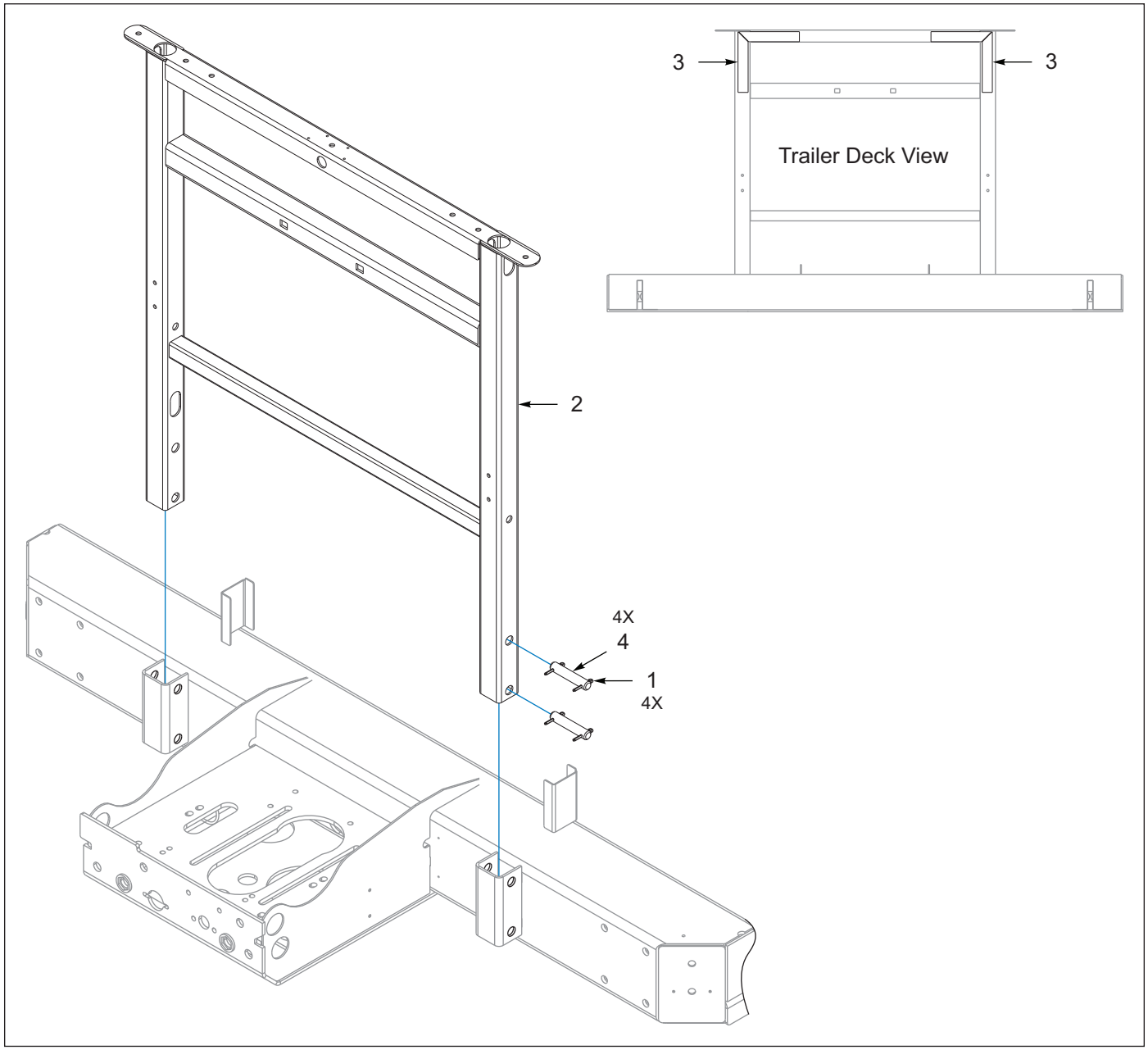


Figure 4-1: Bulkhead, Accessory Rack

Bulkhead, Accessory Rack

ITEM	PART NUMBER	DESCRIPTION	QTY.
	221606	ACCESSORY RACK INSTL 343 48"	- -
1	1-557-010362-63	PIN,COTTER 1/4X2 ZP	8
2	221603	RACK ACC WLDMT 343 48"	1
3	3-573-010378	DECAL,2"REFLEXITE TAPE,WHITE **(BY THE INCH)**	49
4	6-557-010163	PIN HITCH LEVELING LINK	4

Bulkhead, Accessory Rack, Chain Rack, Lockable

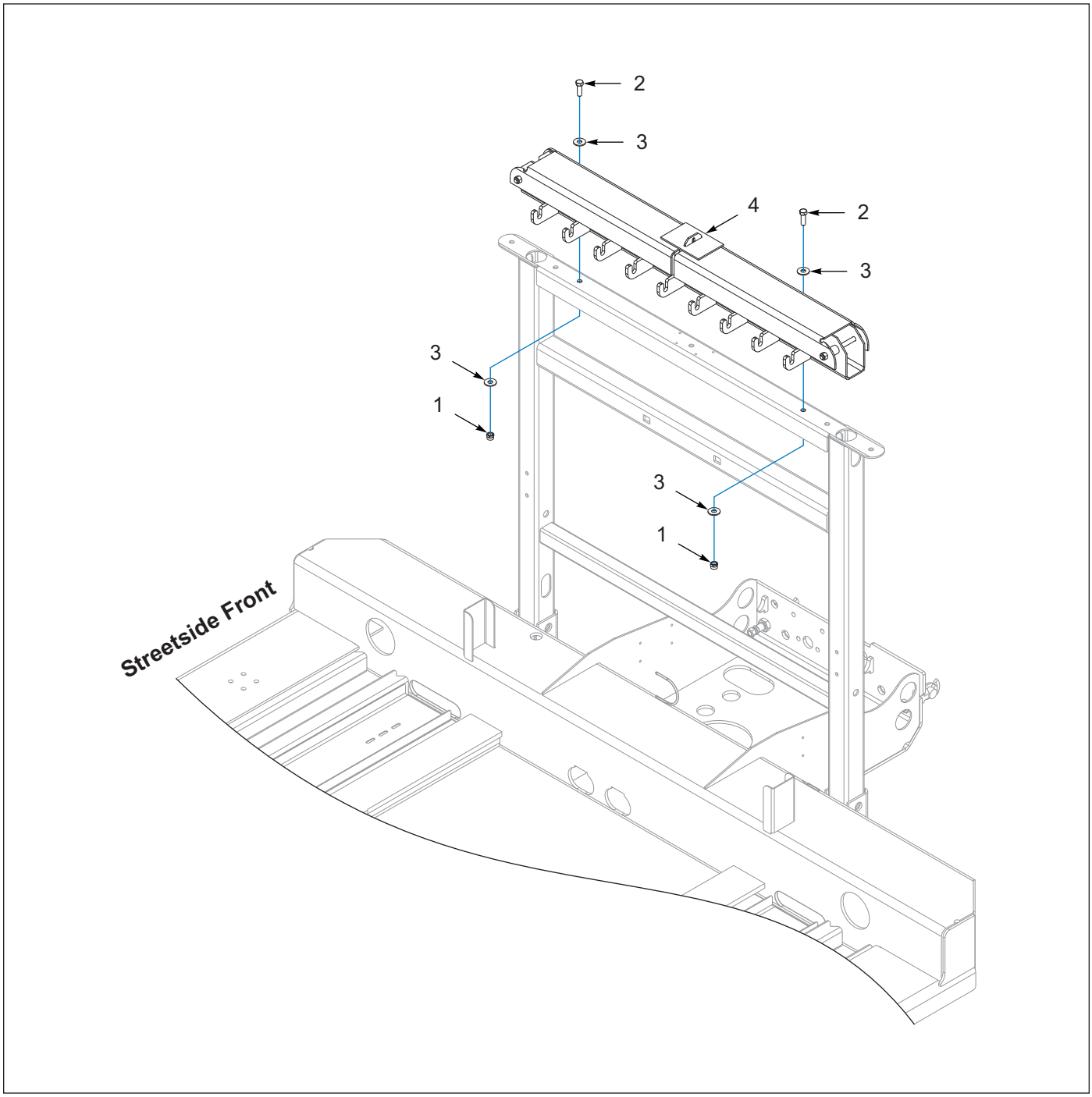


Figure 4-2: Bulkhead, Accessory Rack, Chain Rack, Lockable

Bulkhead, Accessory Rack, Chain Rack, Lockable

ITEM	PART NUMBER	DESCRIPTION	QTY.
	B7-141-003	CHAIN RACK INST	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
2	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	2
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
4	3-141-010008	CHAIN HANGER LOCKING CHANL WLD	1

Bulkhead, Grab Handle, Accessory Rack

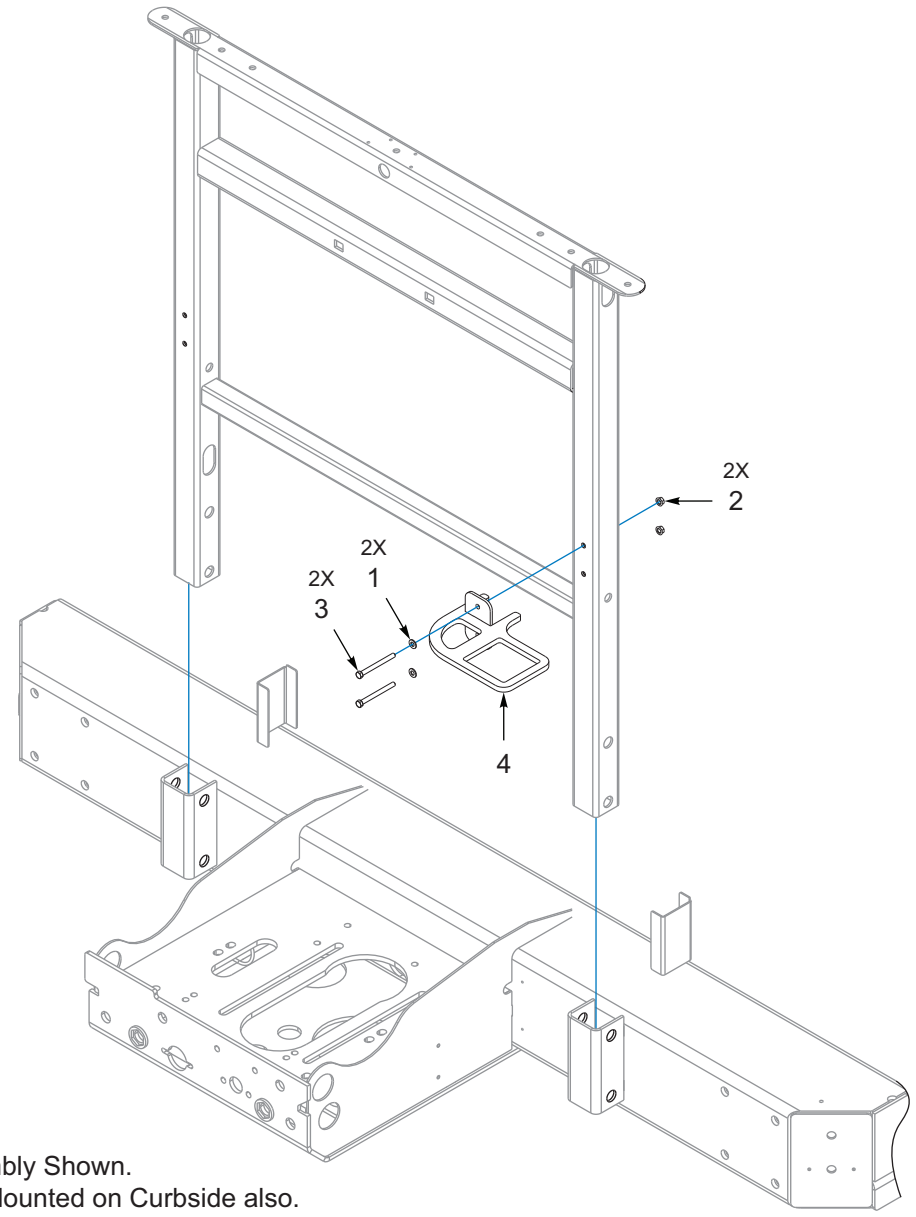


Figure 4-3: Bulkhead, Grab Handle, Accessory Rack

Bulkhead, Grab Handle, Accessory Rack

ITEM	PART NUMBER	DESCRIPTION	QTY.
	243282	HANDLE INSTL ACC RACK 343	- -
1	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	2
2	107470	NUT,SPIRALOCK 3/8-16HX	2
3	108295	SCREW,HX CP 3/8-16UNCX4 GR5	2
4	243283	WLDMT BOLT-ON HNDL ACC RACK	1

Bulkhead, Grab Handle, Stand

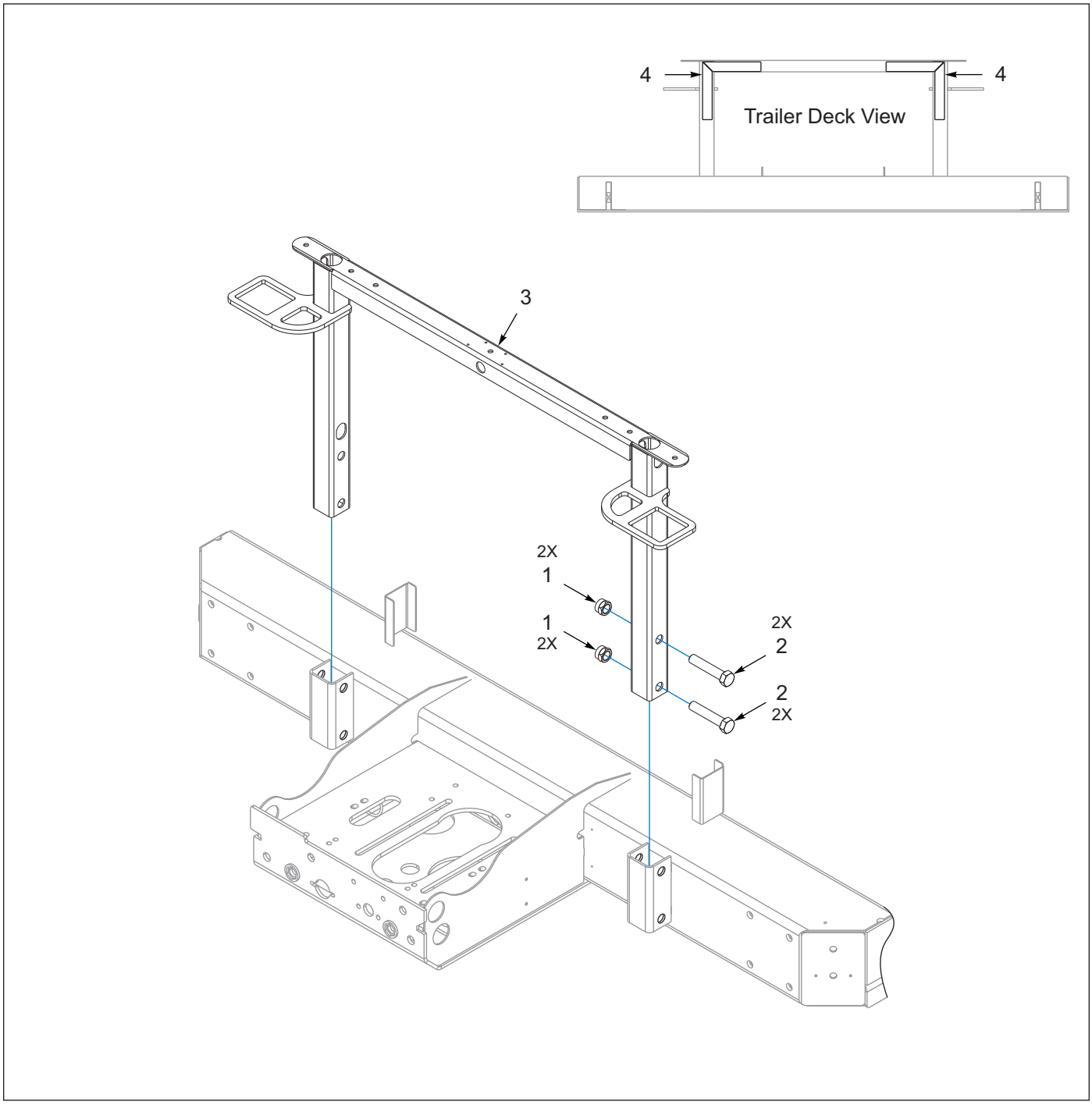
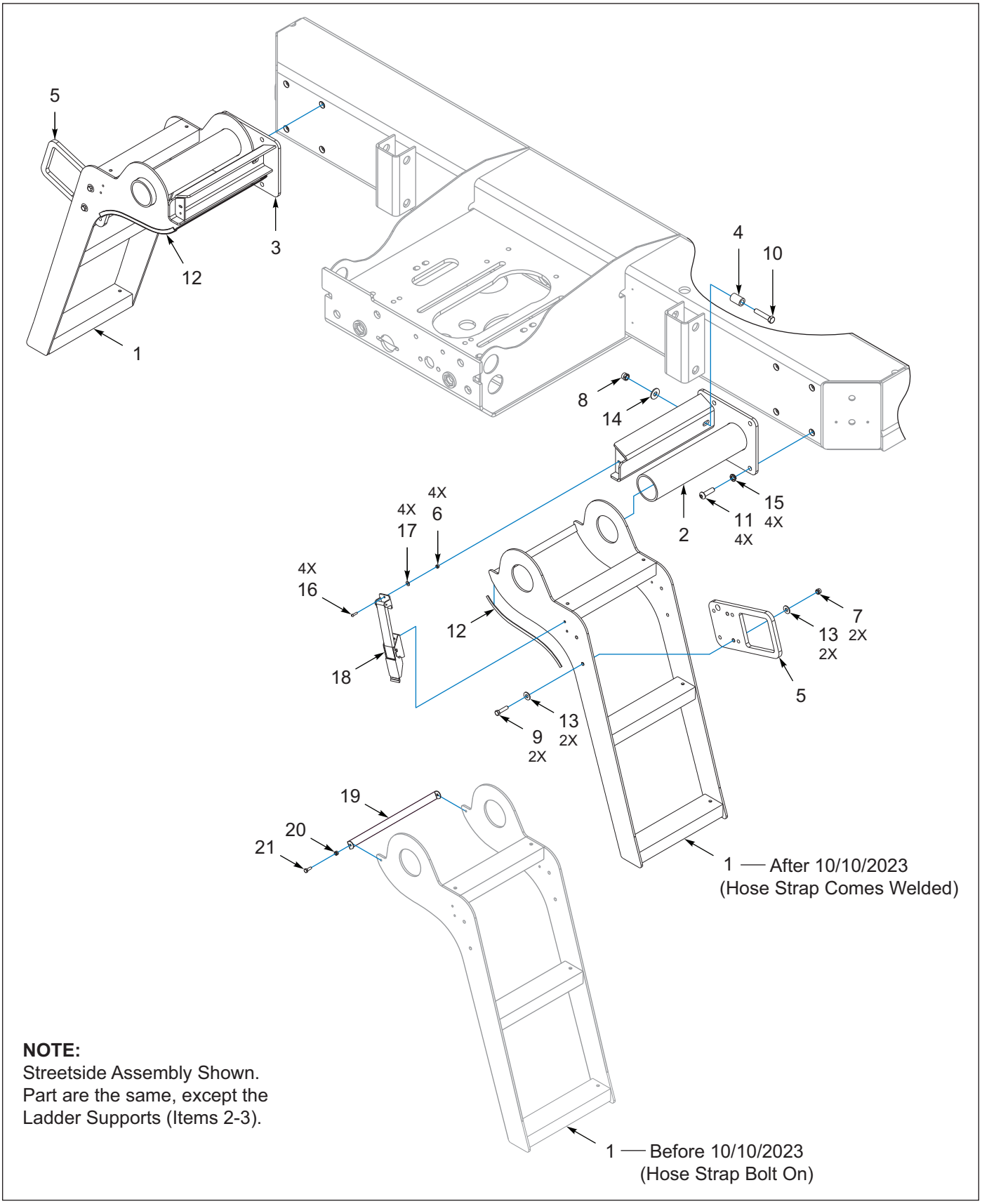


Figure 4-4: Bulkhead, Grab Handle, Stand

Bulkhead, Grab Handle, Stand

ITEM	PART NUMBER	DESCRIPTION	QTY.
	225826	GRAB BAR INSTALL 343A 24"	- -
1	1-512-010005-19	NUT 1-8 HEX SLF-LOCKING GRB	4
2	1-654-010065-15	SCREW HX CP 1-8UNCX5 GR5	4
3	225827	GRAB BAR WLDMT 343A 24"	1
4	3-573-010378	DECAL,2"REFLEXITE TAPE,WHITE **(BY THE INCH)**	49

Ladder Assembly, Pivoting



NOTE:
Streetside Assembly Shown.
Part are the same, except the
Ladder Supports (Items 2-3).

Figure 4-5: Ladder Assembly, Pivoting

Ladder Assembly, Pivoting

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128950	LADDER ASSY 340 LH **(LADDER 1 - WO/ GRAB HANDLE)**	- -
	128951	LADDER ASSY 340 RH **(LADDER 2 - WO/ GRAB HANDLE)**	- -
	182455	LADDER ASSY 340 LH (PAINTED) **(LADDER 3 - W/ GRAB HANDLE) (SAFETY ORANGE)**	- -
	196601	LADDER ASSY 340 RH (PAINTED) **(LADDER 4 - W/ GRAB HANDLE) (SAFETY ORANGE)**	- -
1	128819	LADDER ALUM 340 WLDMT **(LADDER 1-2) (AFTER 10/10/2023, HOSE STRAP COMES WELDED ON)**	1
1	182454	LADDER ALUM 340 WLDMT(PAINTED) **(LADDER 3-4) (AFTER 10/10/2023, HOSE STRAP COMES WELDED ON)**	1
2	128942	SUPPORT WLDMT LADDER 340 LH **(LADDER 1, 3) (STREETSIDE)**	1
3	128943	SUPPORT WLDMT LADDER 340 RH **(LADDER 2, 4) (CURBSIDE)**	1
4	128952	TUBE RD 1X5/8X1-1/2 BLACK	1
5	199108	GRAB HANDLE LADDER **(LADDER 3-4)** (ADDED AFTER 02/13/2020)	1
6	1-512-010004-03	NUT,HEX,SLFLK 10-24UNC, GRA	4
7	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(LADDER 3-4)** (ADDED AFTER 02/13/2020)	2
8	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	1
9	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2 **(LADDER 3-4)** (ADDED AFTER 02/13/2020)	2
10	1-654-010055-07	SCREW HX CP 1/2-13UNCX2-1/2	1
11	1-654-010089-15	SCREW,SKT BTN 1/2-13UNCX1-3/4	4
12	1-822-010002	TRIM-LOK 3/16 **(BY THE FOOT)**	1.5
13	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(LADDER 3-4)** (ADDED AFTER 02/13/2020)	4
14	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	1
15	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	4
16	110-0116	SCREW RD HD CAP 10-24X3/4	4
17	110-0253	WASHER,FLAT 3/16 STD	4
18	3-443-010018	LATCH,FLEX DRAW,LEVER ASSIST	1
19	216422	STRAP HOSE NO CATCH **(BEFORE 10/10/2023, BOLT ON - AFTER 10/10/2023, NOT USED)**	1
20	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(BEFORE 10/10/2023, ITEM 19 BOLT ON - AFTER 10/10/2023, NOT USED)**	2
21	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5 **(BEFORE 10/10/2023, ITEM 19 BOLT ON - AFTER 10/10/2023, NOT USED)**	2

Manual Tube

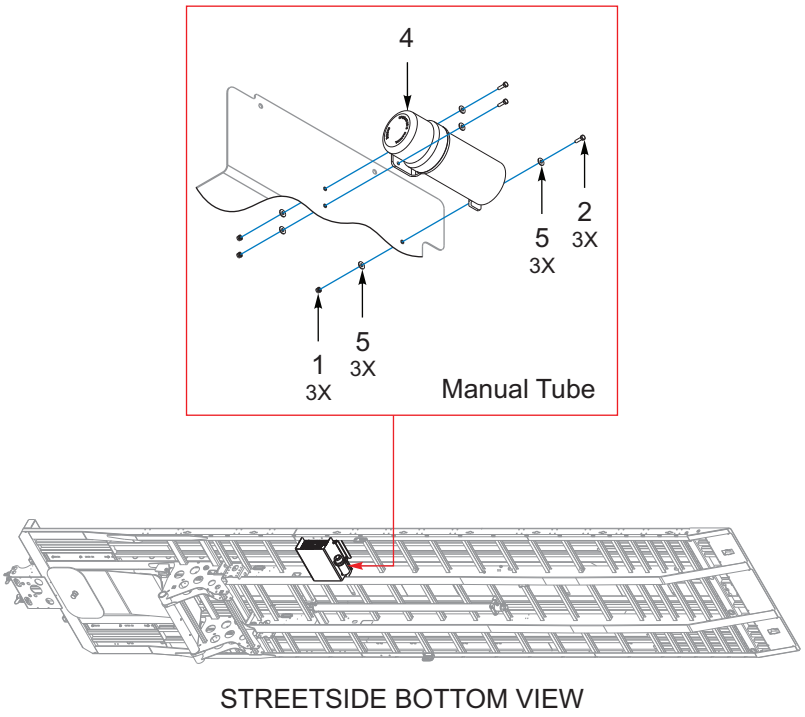


Figure 4-6: Manual Tube

Manual Tube

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
2	1-654-010047-05	SCREW, HX CP 1/4-20UNCx7/8 GR5	3
3	1-861-010032-07	WASHER,FLAT 1/4 ZP	6
4	150076	MANUAL TUBE (4-1/4"ID)	1

Table provided for general use.

NOTES:

Spare Tire Mount, Bulkhead, Accessory Rack

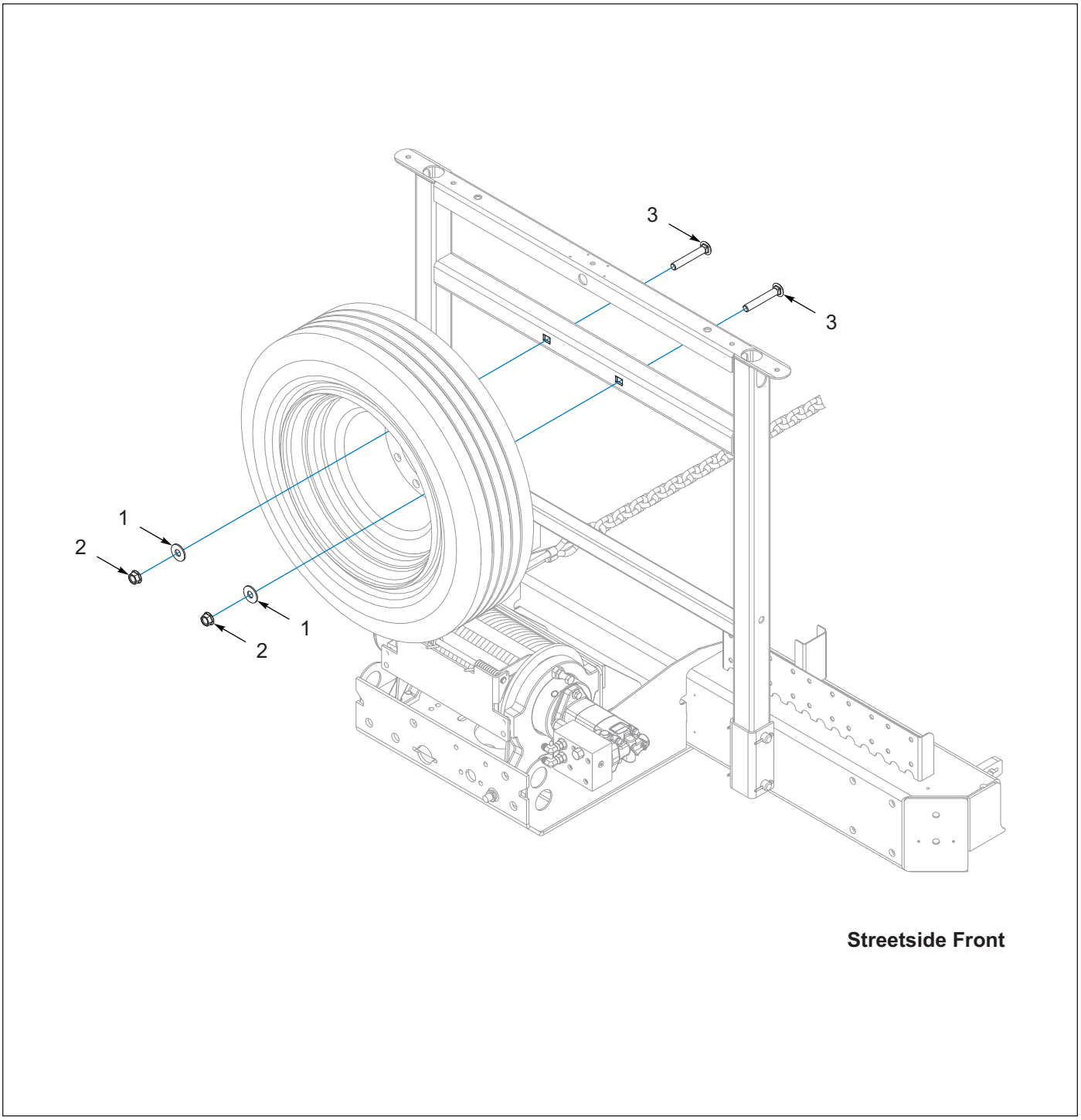


Figure 4-7: Spare Tire Mount, Bulkhead, Accessory Rack

Spare Tire Mount, Bulkhead, Accessory Rack

ITEM	PART NUMBER	DESCRIPTION	QTY.
	221607	ACCESSORY RACK 343 SP TR MNT	- -
1	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	2
2	103841	NUT,FLG,LNK,SERRATED 3/4-10UNC	2
3	113684	SCREW,RD HD,SQ NCK,3/4-10X5	2

Spare Tire Mount, Bulkhead, Stand

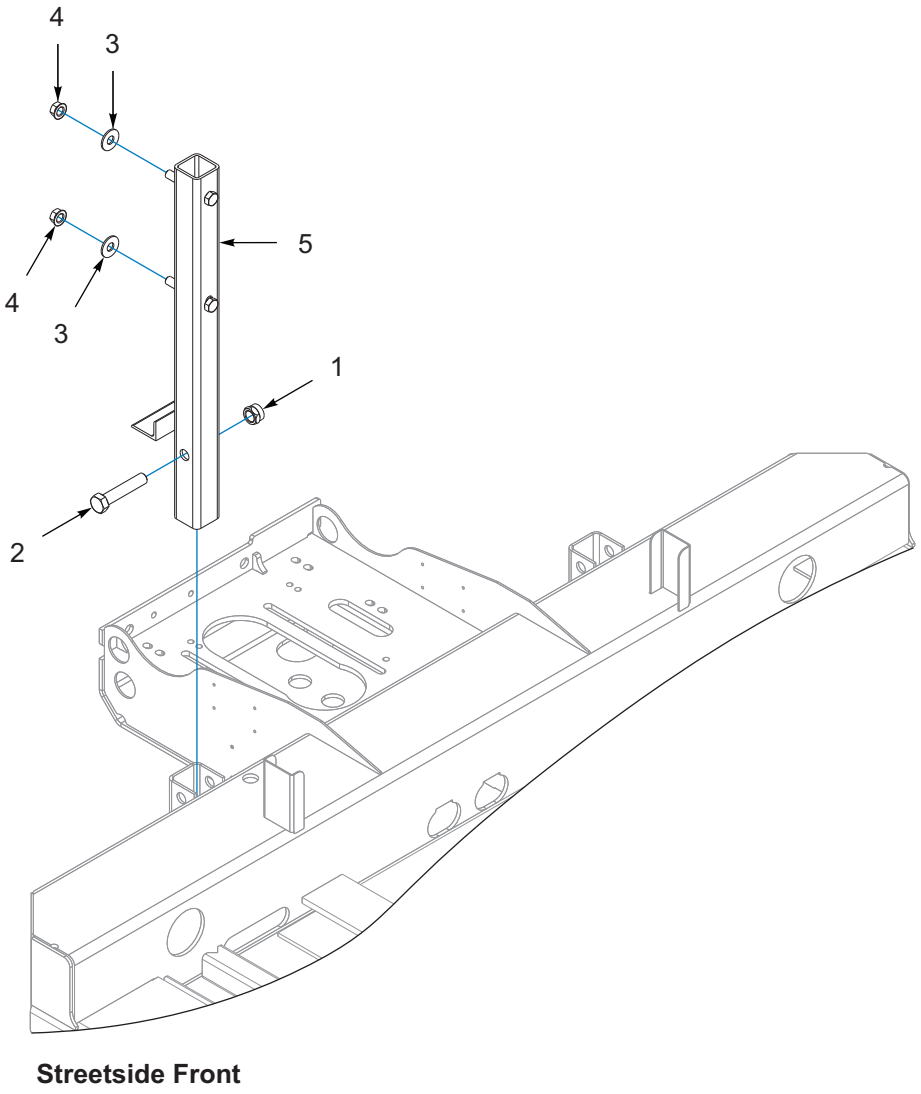


Figure 4-8: Spare Tire Mount, Bulkhead, Stand

Spare Tire Mount, Bulkhead, Stand

ITEM	PART NUMBER	DESCRIPTION	QTY.
	169641	MNT ASSY SPR 255/275 TIRE	- -
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	169639	MOUNT WLDMT SPARE 255 TIRE	1

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

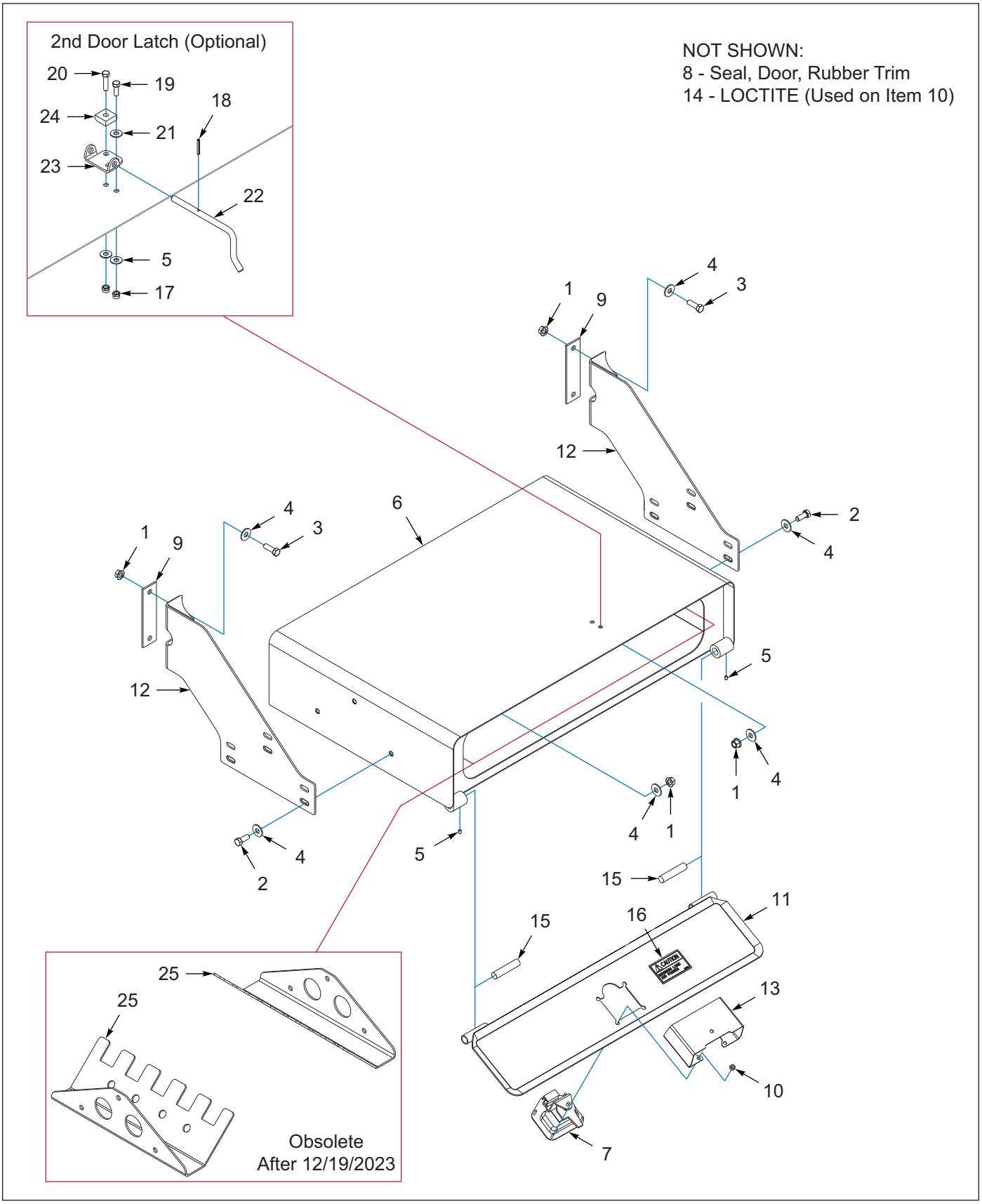


Figure 4-9: Toolbox, Bolt-On, 42"W X 28"D X 9"H

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

ITEM	PART NUMBER	DESCRIPTION	QTY.
	114807	TOOLBOX INSTL 930 STL DOOR	- -
		(BOX 1 - STEEL DOOR, ITEMS 1-16)	
	116628	TOOLBOX INSTL 930 ALUM DOOR	- -
		(BOX 2 - ALUM. DOOR, ITEMS 1-16)	
	236297	2ND TOOLBOX LATCH INSTL	- -
		(BOX 3 - OPTIONAL ITEMS 17-24)	
	178706	TOOLBOX PANEL ORGANIZER ASSY	- -
		(BOX 4 - AFTER 12/19/2023, OPTION OBSOLETE)	
1	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	10
2	1-654-010055-02	SCREW 1/2-13UNCX1-1/4 CP GR5	6
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
4	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	16
5	107-0975	SCREW SET LOCK 5/16-18X3/8LG	2
6	114808	TOOLBOX WLDMT 930	1
7	114814	LATCH FOLDING T LOCKABLE **(INCLUDES KEY CH545)**	1
8	114815	SEAL, SPONGE RUBBER TRIM **(BY THE FOOT)**	7
9	115843	BAR BACKUP TOOLBOX MTG	2
10	115877	NUT HVY HEX 1/4-20 GR5	4
11	116623	DOOR WLDMT STL 930 TOOLBOX **(BOX 1)**	1
11	116624	DOOR WLDMT ALUM 930 TOOLBOX **(BOX 2)**	1
12	117860	BRACKET WLDMT TOOLBOX MTG	2
13	153420	TOOLBOX LATCH SHIELD	1
14	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE **(BOTTLE)**	0.01
15	RPRB59004X3H	BAR RD, 3/4DIA X 3-1/2 NY LTR	2
16	205912	DECAL MAX LOAD 225	1
17	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16 **(BOX 3)**	2
18	1-647-010004177	PIN,SPRING,SLTD 3/16X1-1/2 **(BOX 3)**	1
19	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5 **(BOX 3)**	1
20	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2 **(BOX 3)**	1
21	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD **(BOX 3)**	3
22	190728	PIN DOOR STOP **(BOX 3)**	1
23	190729	BRACKET DOOR STOP **(BOX 3)**	1
24	192038	SPACER TOOLBOX **(BOX 3)**	1
25	178705	TOOLBOX SUPPORT PANEL	2
		(BOX 4 - AFTER 12/19/2023, OPTION OBSOLETE)	

Toolbox, Bolt-On, 42"W X 26"D X 17"H (Before 03/10/2025)

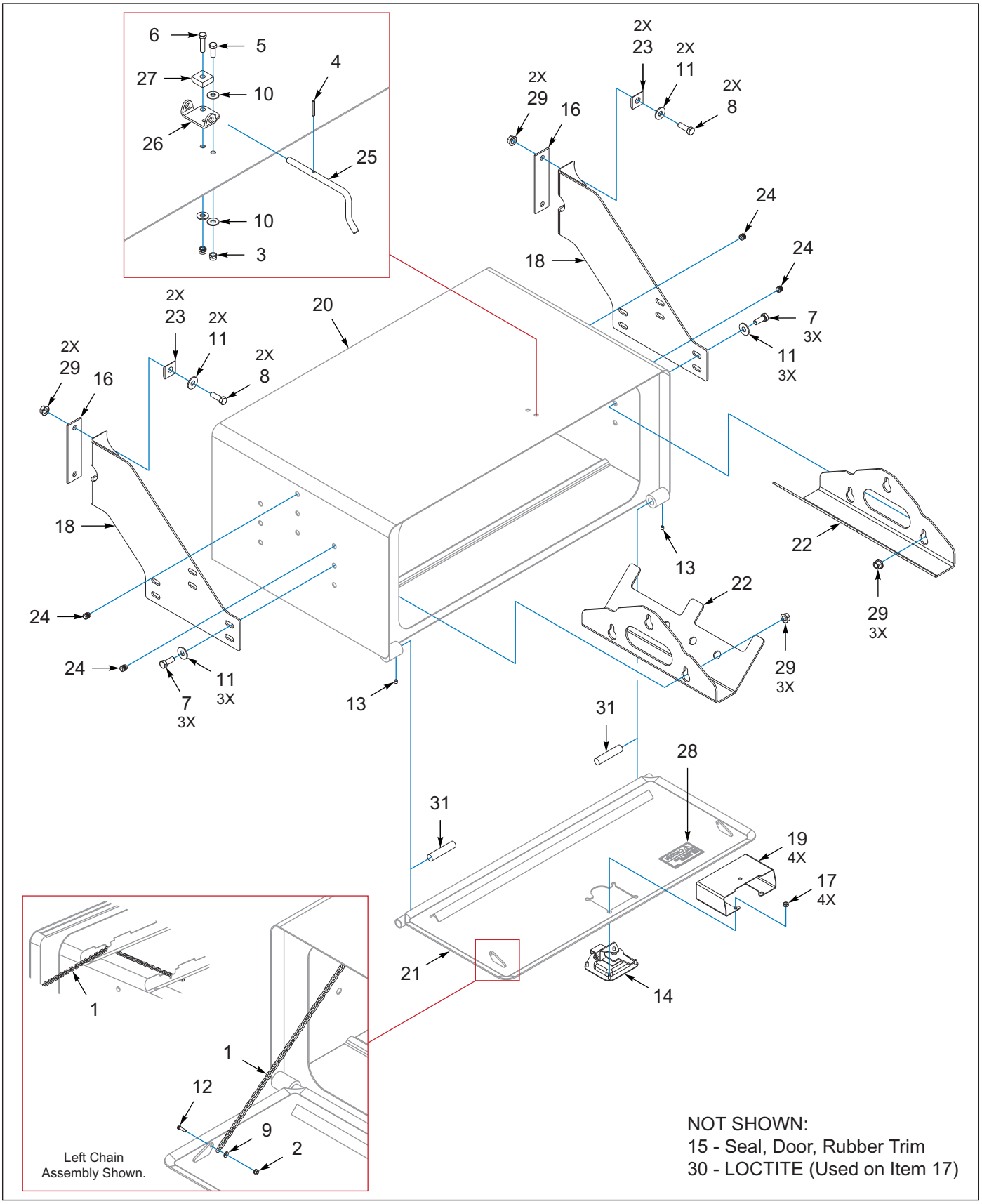


Figure 4-10: Toolbox, Bolt-On, 42"W X 26"D X 17"H (Before 03/10/2025)

Toolbox, Bolt-On, 42"W X 26"D X 17"H (Before 03/10/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	163540	TOOLBOX INSTL 42X28X17 **(OBSOLETE AFTER 03/10/2025)** **(ORDER 252219 TOOLBOX, SEE PAGE 4-15)**	- -
1	1-174-010035036	CHAIN,MACHINE STR #4X36"	2
2	1-512-010004-03	NUT,HEX,SLFLK 10-24UNC, GRA	2
3	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	2
4	1-647-010004177	PIN,SPRING,SLTD 3/16X1-1/2	1
5	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	1
6	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	1
7	1-654-010055-02	SCREW 1/2-13UNCX1-1/4 CP GR5	6
8	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	4
9	1-861-010032-03	WASHER, FLAT #10 ZP/CD	2
10	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	3
11	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	10
12	107-0002	#10-24X3/4LG HHCS	2
13	107-0975	SCREW SET LOCK 5/16-18X3/8LG	2
14	114814	LATCH FOLDING T LOCKABLE **(INCLUDES KEY CH545)**	1
15	114815	SEAL, SPONGE RUBBER TRIM **(BY THE FOOT)**	8
16	115843	BAR BACKUP TOOLBOX MTG	2
17	115877	NUT HVY HEX 1/4-20 GR5	4
18	117860	BRACKET WLDMT TOOLBOX MTG	2
19	153420	TOOLBOX LATCH SHIELD	1
20	- - - - -	TOOLBOX WLDMT 42X28X17 **(OBSOLETE AFTER 03/10/2025)** **(ORDER 252217 TOOLBOX ASSEMBLY, SEE PAGE 4-15)**	- -
21	- - - - -	DOOR WLDMT STL 42X28X17 **(OBSOLETE AFTER 03/10/2025)** **(ORDER 252217 TOOLBOX ASSEMBLY, SEE PAGE 4-15)**	- -
22	178705	TOOLBOX SUPPORT PANEL **(ADDED AFTER 01/03/2024)**	2
23	181993	WASHER TOOLBOX	4
24	189278	PLUG, PLASTIC PANEL 1/2 & 9/16 **(USED TO PLUG EXPOSED TOOLBOX MOUNT HOLES)**	4
25	190728	PIN DOOR STOP	1
26	190729	BRACKET DOOR STOP	1
27	192038	SPACER TOOLBOX	1
28	205912	DECAL MAX LOAD 225	1
29	223247	NUT, 1/2-13 UNC FLG LOCK GR G	10
30	#242 LOCKTITE	LOCKTITE 242 BLUE REMOVABLE **(BOTTLE)**	0.01
31	RPRB59004X3H	BAR RD, 3/4DIA X 3-1/2 NY LTR	2

Toolbox, Bolt-On, 42"W X 26"D X 17"H (After 03/10/2025)

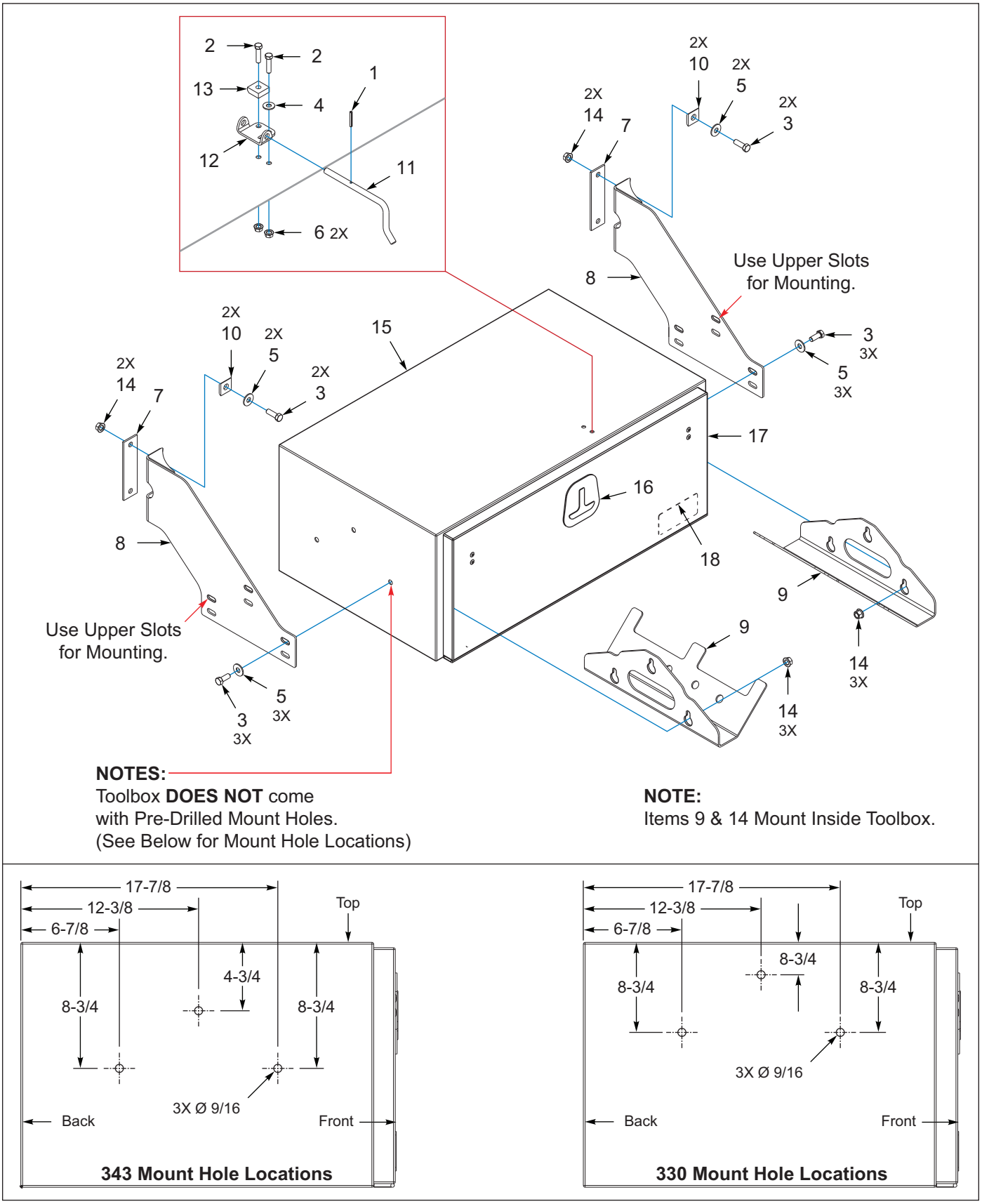


Figure 4-11: Toolbox, Bolt-On, 42"W X 26"D X 17"H (After 03/10/2025)

Toolbox, Bolt-On, 42"W X 26"D X 17"H (After 03/10/2025)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	252219	INSTL TOOLBOX 343/330 PC/SS DR **(KIT INCLUDES ITEMS 1-15 & MOUNTING INSTRUCTIONS)** **(REPLACES 163540 TOOLBOX, SEE PAGE 4-13)**	1
1	1-647-010004177	PIN,SPRING,SLTD 3/16X1-1/2	1
2	1-654-010051-07	SCREW,HEX CAP,3/8-16UNCX1-1/2	2
3	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	10
4	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	1
5	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	10
6	107470	NUT,SPIRALOCK 3/8-16HX	2
7	115843	BAR BACKUP TOOLBOX MTG	2
8	117860	BRACKET WLDMT TOOLBOX MTG	2
9	178705	TOOLBOX SUPPORT PANEL	2
10	181993	WASHER TOOLBOX	4
11	190728	PIN DOOR STOP	1
12	190729	BRACKET DOOR STOP	1
13	192038	SPACER TOOLBOX	1
14	223247	NUT, 1/2-13 UNC FLG LOCK GR G	10
15	252217	TOOLBOX W/ SS DR 42LX26DX17T **(ASSEMBLY INCLUDES ITEMS 16-18)** **(DOES NOT COME WITH PRE-DRILLED MOUNT HOLES)**	1
16	232699	LATCH,CHROME REPLACEMENT HSG **(INCLUDED WITH ITEM 15)** **(INCLUDES 2 KEYS & MOUNTING HARDWARE)**	1
17	252218	REPL DOOR ASM F/ 252217 TLBX **(INCLUDED WITH ITEM 15)** **(STAINLESS STEEL, INCLUDES DOOR, HINGE, DOOR LATCH, DOOR SUPPORT CABLES & MOUNTING HARDWARE)**	1
18	- - - - -	DECAL, WEIGHT LIMIT, 500 POUNDS **(INCLUDED WITH ITEM 15)** **(MOUNTED INSIDE DOOR)**	1

Traffic Cone Holder

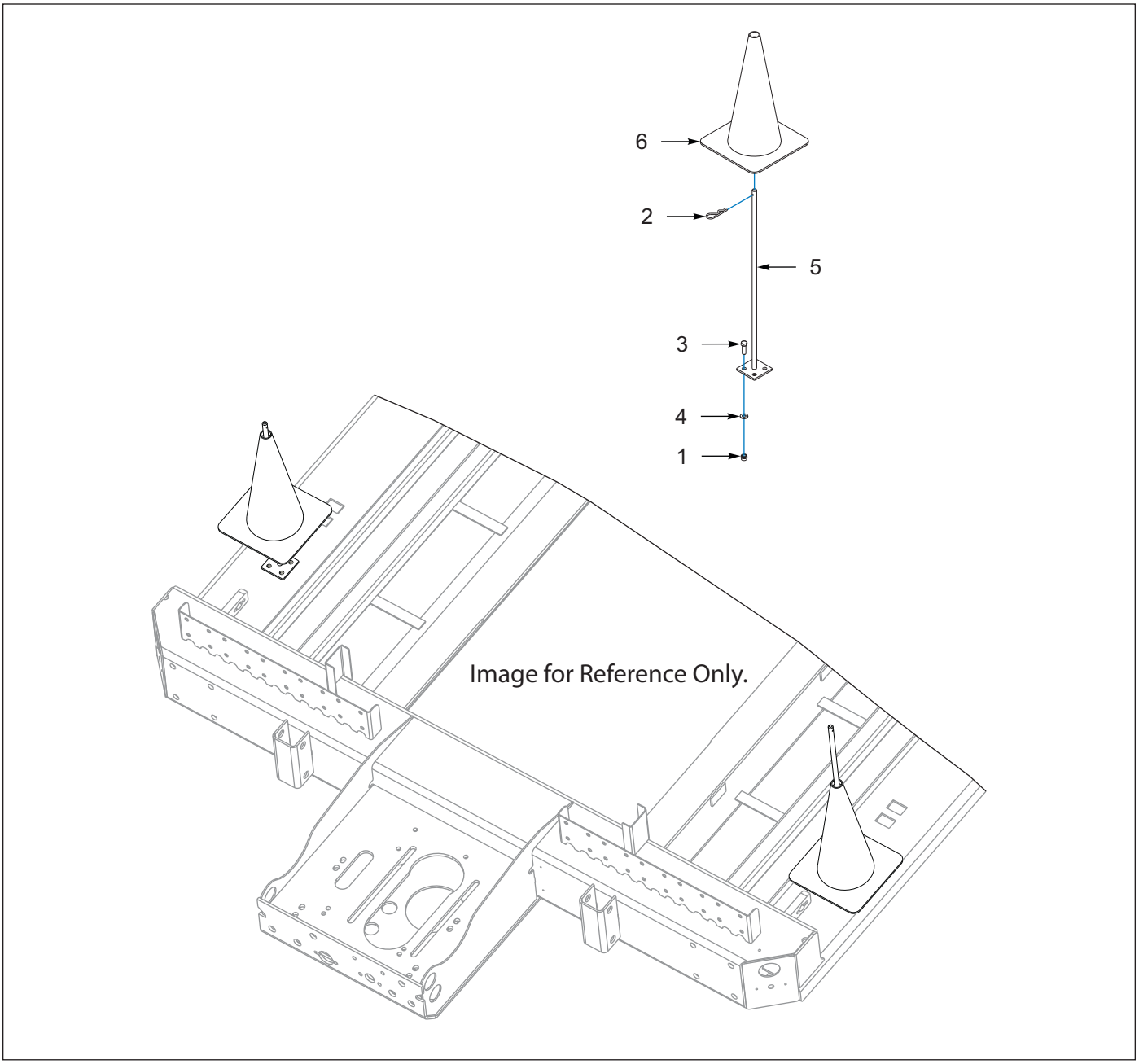


Figure 4-12: Traffic Cone Holder

Traffic Cone Holder

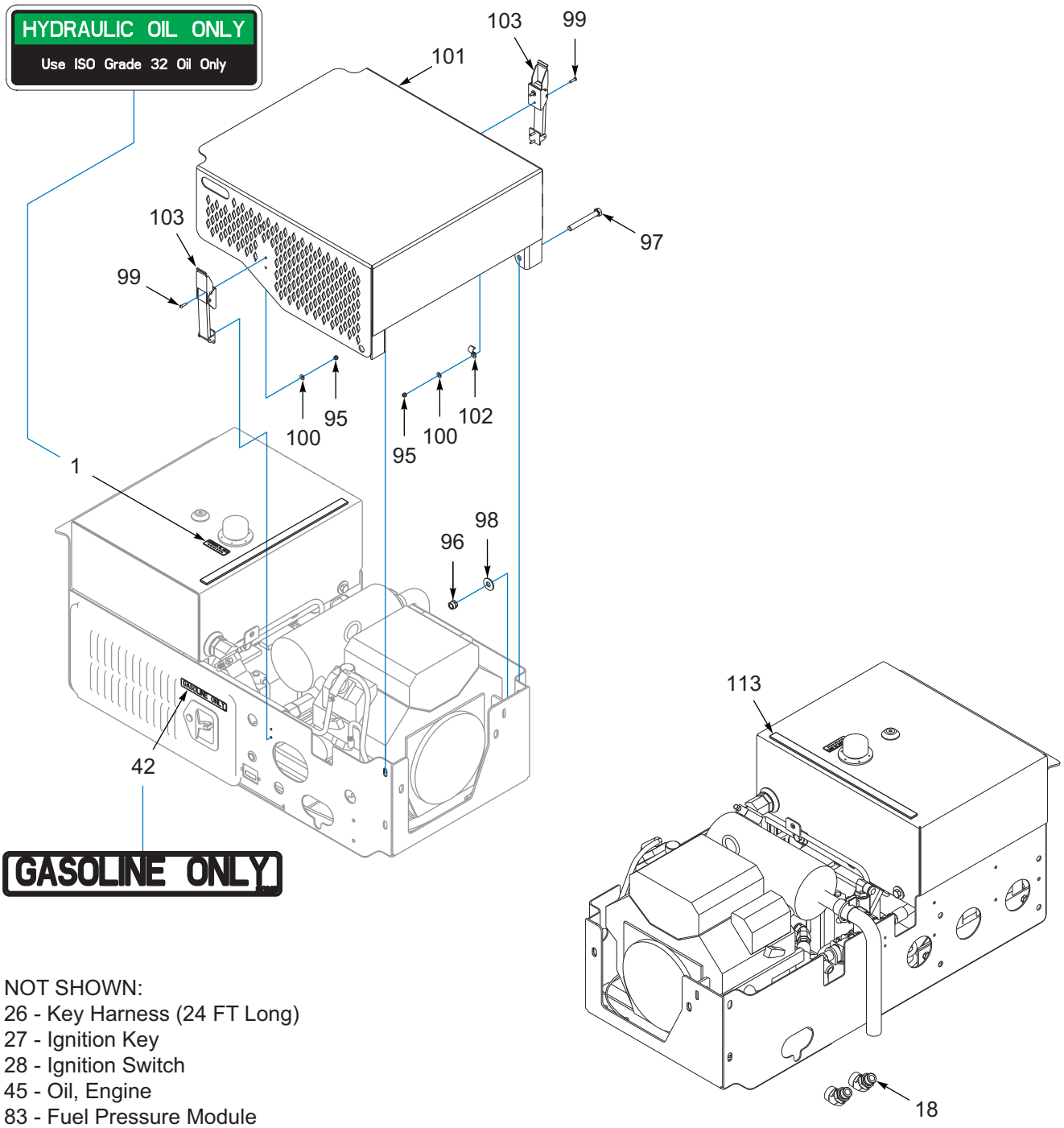
ITEM	PART NUMBER	DESCRIPTION	QTY.
	187899	CONE HOLDER ASSY **(INCLUDES ITEMS 1-5)**	1
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	4
2	1-557-010013	PIN, HAIR 3/16 DIA	1
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	4
4	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	4
5	187898	CONE HOLDER	1
6	187900	TRAFFIC CONE **(SOLD SEPARETLY)** **(FLUORESCENT RED / ORANGE)**	- -

Table provided for general use.

NOTES:

Power Unit, Hydraulic (Options)

Engine Package, 25HP, Upper Deck Assembly



NOT SHOWN:
26 - Key Harness (24 FT Long)
27 - Ignition Key
28 - Ignition Switch
45 - Oil, Engine
83 - Fuel Pressure Module
84 - Air Filter
85 - Precleaner Foam, Air Filter
86 - O2 Sensor
104 - Flywheel Guard Kit

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

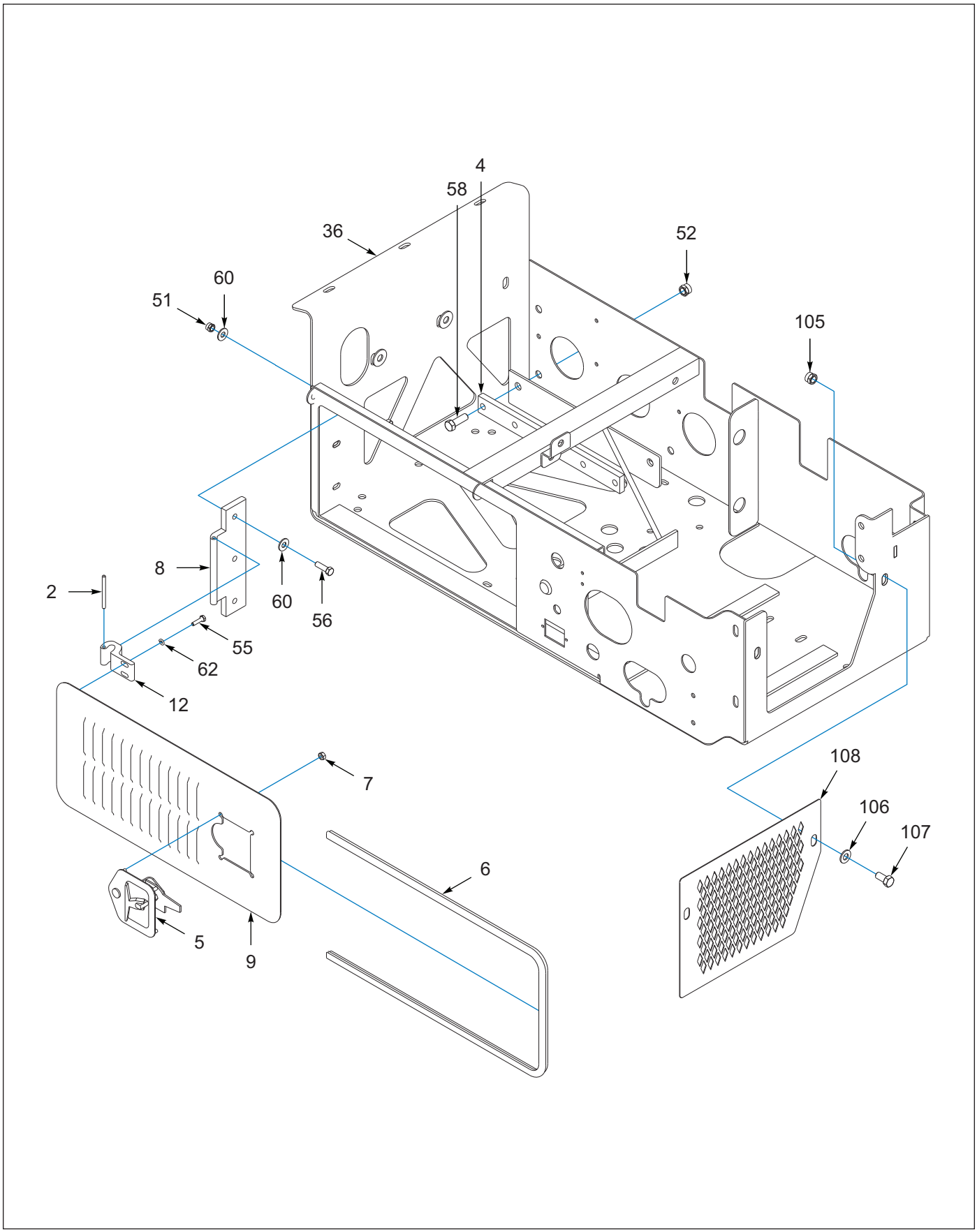


Figure 5-2: Engine Package, 25 HP, Upper Deck Assembly (2 of 5)

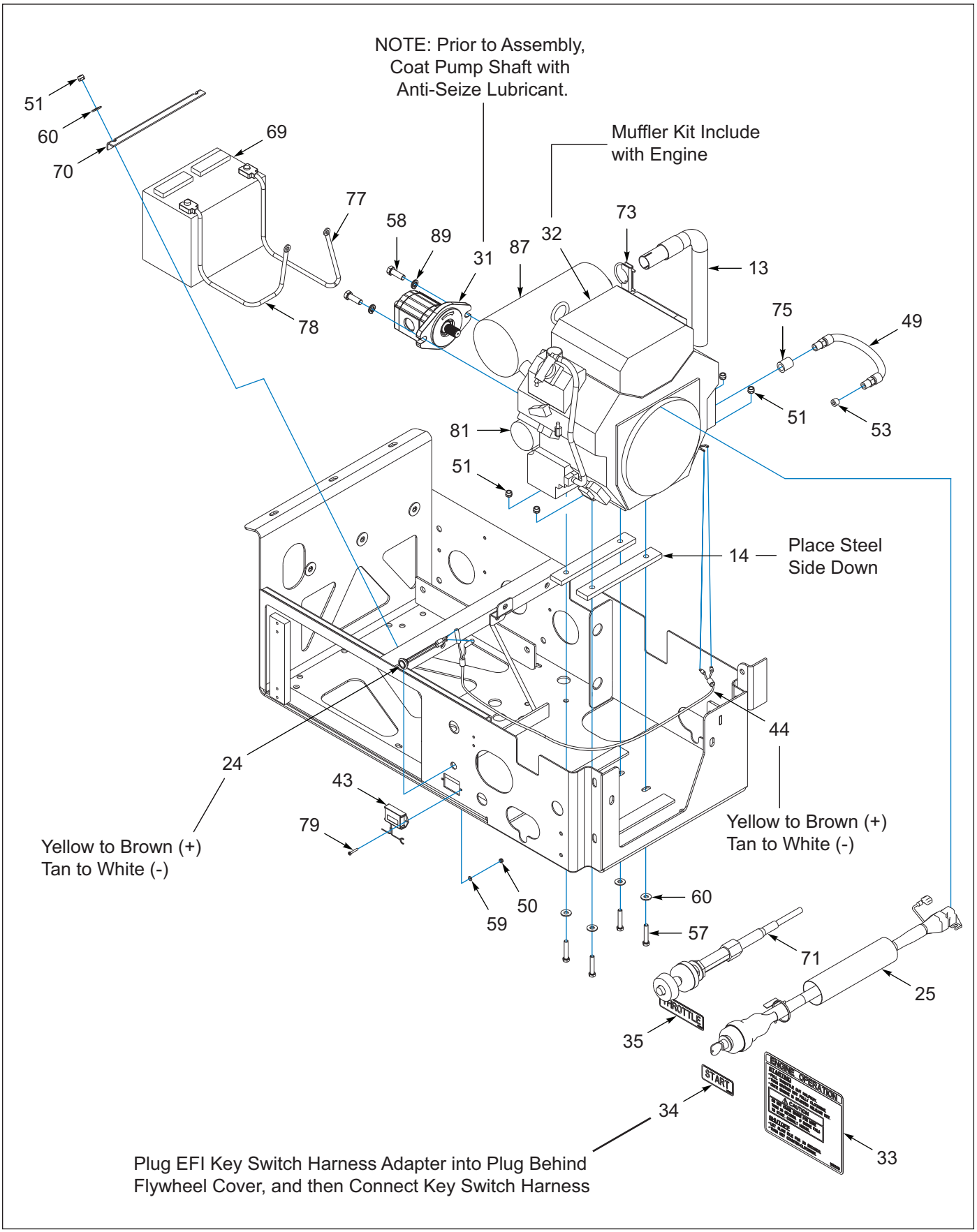


Figure 5-3: Engine Package, 25 HP, Upper Deck Assembly (3 of 5)

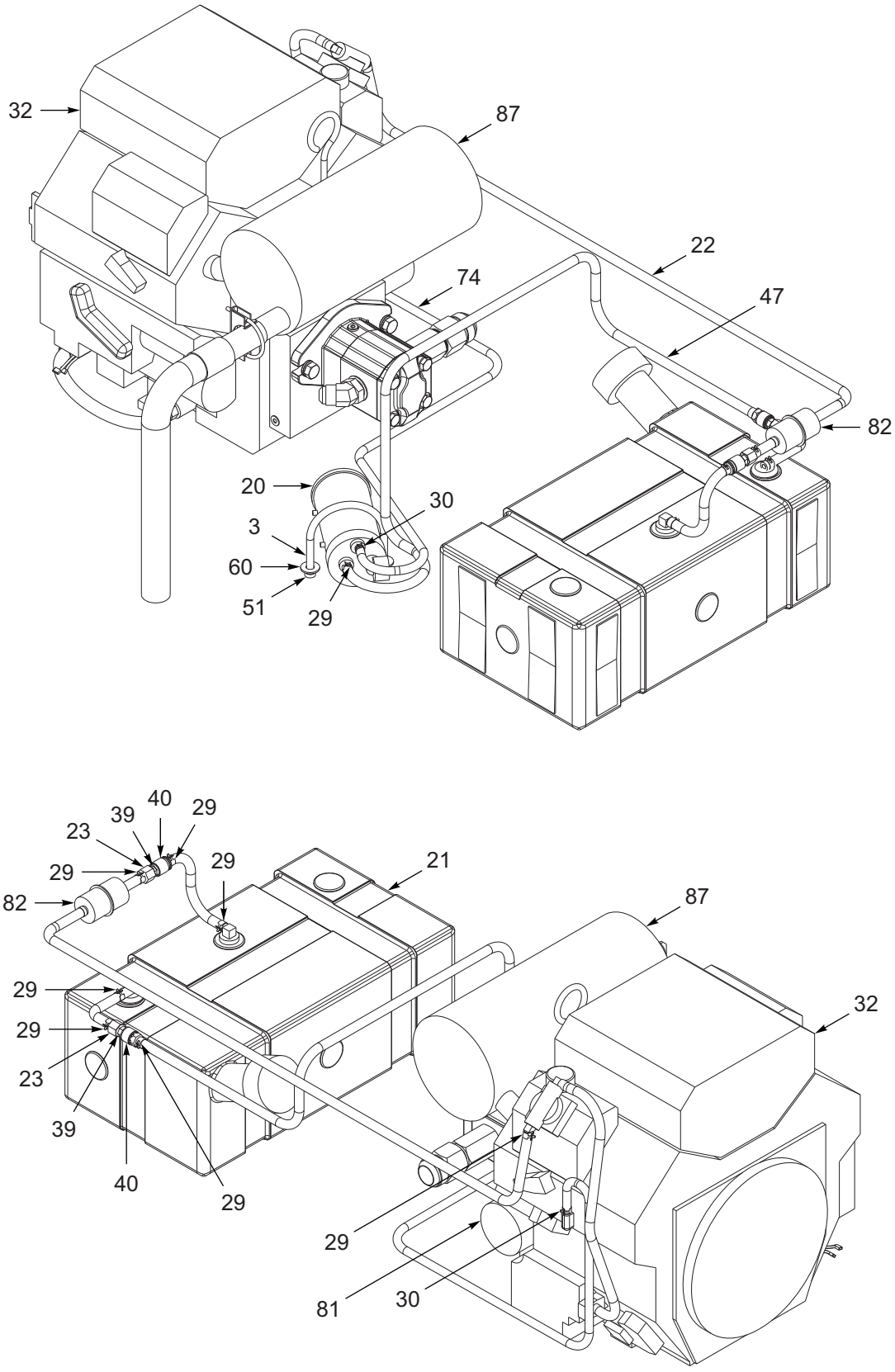


Figure 5-4: Engine Package, 25 HP, Upper Deck Assembly (4 of 5)

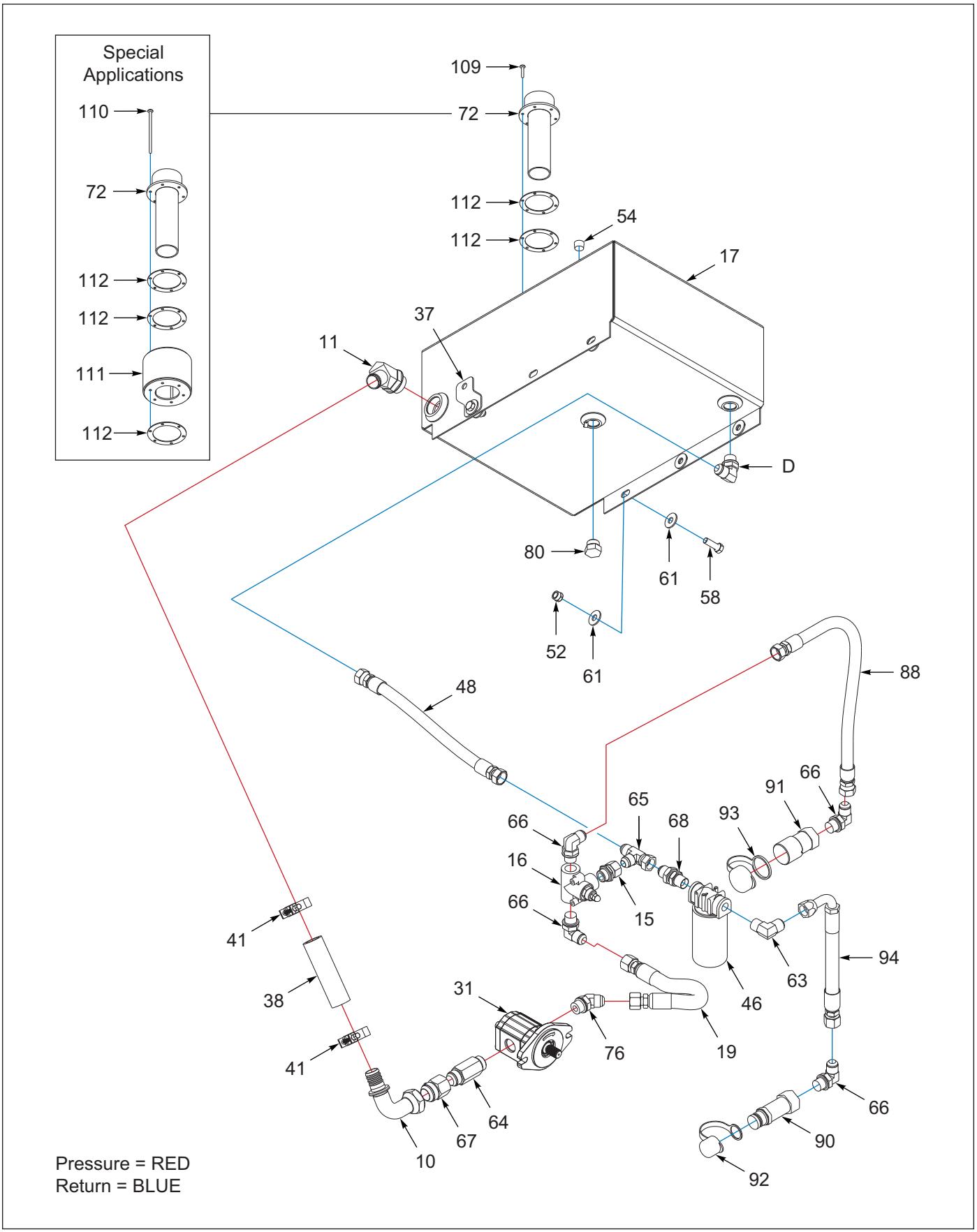


Figure 5-5: Engine Package, 25 HP, Upper Deck Assembly (5 of 5)

Engine Package, 25HP, Upper Deck Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	189370	ENG PKG 25 HP EFI 15 GAL	- -
1	10109	DECAL, HYDRAULIC FLUID ONLY **(ADDED AFTER 11/19/2018)**	1
2	108601	PIN, DOOR HINGE	2
3	110578	U-BOLT, 3/8-16 x 3-1/8 x 4-1/8	1
4	113856	MOUNT,ENG ISOLATOR,KOHLERCH25	2
5	114814	LATCH FOLDING T LOCKABLE **(INCLUDES KEY, CH545)**	1
6	114815	SEAL, SPONGE RUBBER TRIM **(BY THE FOOT)**	5
7	115877	NUT HVY HEX 1/4-20 GR5	4
8	116326	HINGE,BASE MNT, COM ENG PKG	1
9	116328	MOUNT,DOOR WLDMT,COM ENG PKG	1
10	116330	FITTING 1.25F 37-1.25 BARB 90	1
11	117873	FITTING,1.63-12 SAE-1 25H/B45	1
12	119206	HINGE, DOOR ENG DRV, 25HP	2
13	119445	EXHAUST EXT WLDMT 25HP E/P	1
14	120659	ISOLATOR, KOHLER 25HP MOUNT	2
15	120660	ADAPTER #12-O/RFEM-12#FL M	1
16	120661	VALVE,HYD PRES,#12SAE,2500P	1
17	120662	HYD TANK WLDMT, 15G E/P	1
18	138209	ADAPTER HYD 45#12 MALE-FEMORB	2
19	143850	HOSE ASSY 3/4X35OAL #12F JIC	1
20	166766	CARBON CANISTER,FUEL TANK,GAS	1
21	169531	TANK,FUEL PLSTC,6 GAL,LOW PERM	1
22	169532	HOSE, FUEL,1/4 LOW PERM, CARB **(BY THE FOOT)**	5
23	173860	FITTING,1/4 HOSE BARBX1/4 FNPT	2
24	175591	LIGHT YEL LED .75 CL.MK GROTE	1
25	178428	SWITCH/HARNESS ASSY KOHLER UD **(INCLUDES ITEMS 26-28) (25A - 24 FT, STANDARD WITH ENGINE PACKAGE)**	1
25	178431	SWITCH/HARNESS ASSY KOHLER **(INCLUDES ITEMS 27-28) (25B - 40 FT, SPECIAL APPLICATIONS, SOLD SEPERATELY)**	1
26	178425	HARNESS ASSY KOHLER ENG HARNESS ASSY KOHLER ENG **(NOT SHOWN) (24 FEET LONG, INCLUDED WITH ITEM 25A)**	1
27	228958	IGNITION KEYS (1 PAIR) INDAK **(NOT SHOWN) (INCLUDED WITH ITEM 25A, 25B, 28)**	1
28	3-765-010050	SWITCH,ENG IGN,KOHLER MH22 **(2509904) (NOT SHOWN) (INCLUDED WITH ITEM 25A, 25B) (INCLUDES ITEM 27)**	1
29	178638	SPRING CLAMP, 1/2"OD FUEL HOSE	8
30	179090	SPRING CLAMP,7/16"OD FUEL HOSE	2
31	186811	PUMP HYDRAULIC GEAR 0.77CID	1
32	189308	ENGINE,KOHLER,25HP,EFI,PUMP **(CH740-3052)**	1
33	189309	DECAL,EFI ENG PKG INSTR	1
34	189310	DECAL, START, ENG PKG	1
35	189311	DECAL, THROTTLE, ENG PKG	1
36	189361	WLDMT,ENG PKG MT, 25HP EFI	1
37	189369	PLATE,FUEL HOSE CLAMP	1
38	193904	HOSE, 1-1/4 X 7-1/2, SUCTION	1
39	202225	FITTING 1/4 MNPT/MALE QD	2
40	202226	FITTING5/16 HOSEBARB/FEMALE QD	2
41	209878	HOSE CLAMP T-BOLT25/32 X 1-3/4	2
42	218046	DECAL GASOLINE ONLY **(ADDED AFTER 11/19/2018)**	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
43	220977	METER HOUR/TACH DIGITIAL	1
44	223219	ENG MIL EXT ADAPTER HARNESS	1
45	1410792	OIL, ENGINE 10W-30 **(NOT SHOWN) (BY THE GALLON)**	0.5
46	1-295-010001	FILTER, RETURN LINE **(ASSEMBLY) (1-295-010002-FILTER ONLY)**	1
47	1-316-010013	HOSE,1/4 LOW PRESSURE FUEL **(BY THE FOOT)**	5
48	1-397-010304018	HOSE ASSY,3/4X18,SAE37,STR-ST	1
49	1-397-010312032	HOSE ASSY,3/8X32,3/8 MPT ENDS	1
50	1-512-010003-03	NUT,HX 8-32,SLF-LKG W/NYL	2
51	1-512-010005-05	NUT, HEX, SLFLKG GRB 3/8-16	11
52	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	7
53	1-560-010002-03	PLUG, PIPE, 3/8NPTF	1
54	1-560-010002-04	PLUG, PIPE, 1/2NPT	1
55	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	4
56	1-654-010051-06	SCREW,HEX CAP 3/8-16UNCX1-1/4	3
57	1-654-010051-09	SCREW,HEX CAP,3/8-16UNCX2 GR5	4
58	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	9
59	1-861-010032-02	WASHER,FL #8 ZP/CD	2
60	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	14
61	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	10
62	1-861-010034-09	WASHER, LKG HLCL SPR, 1/4	4
63	2024-12-12S	ADAPTER 90 3/4MPT X3/4M JIC	1
64	202713-16-16S	ADAPTER-16O-RING-16JIC STR	1
65	203102-12-12S	ADAPTER,TEE, #12, SAE37 SWIVL	1
66	120384	ADAPTER,#16JICX#12ORB,90ELB **(BEFORE 11/19/2018 - USED WITH 205709 & 205710 TO ATTACH TO ITEM 16)**	1
66	2062-12-12S	ADAPTER,90,#12 O-RINGX#12TUBE **(BEFORE 11/19/2018, REQ 4 EACH - AFTER 11/19/2018 REPLACED 120384)**	5
67	2215-16-20S	ADAPTER-16JIC-20JIC STR	1
68	2240-12-12S	ADAPTER,BLKHD,3/4NPT-3/4TBE	1
69	2481X	BATTERY 12 VOLT	1
70	3-120-010124	BATTERY CLAMP BRKT	1
71	3-155-010012	CABLE THROTTLE **(15 FT - STANDARD WITH ENGINE PACKAGE)**	1
71	128774	CABLE, THROTTLE 40' **(40 FT - SPECIAL APPLICATIONS, SOLD SEPERATELY)**	1
72	3-162-010001	FILLER BREATHER STRAINER ASSY **(INCLUDES ITEMS 109, 112)**	1
73	3-182-010028	CLAMP MUFFLER	1
74	3-316-010008	3/16 ID FUEL HOSE **(BY THE FOOT)**	3
75	3/8P COUPL	BLK PIPE COUPLING	1
76	40-0667-02	ELBOW,45,,ST-37 12-12	1
77	514-9045-30	CABLE ASSY BATTERY **(POSITIVE)**	1
78	514-9073-30	CABLE ASSY BATTERY **(NEGETIVE)**	1
79	85G816E	SCREW,PAN.HD #8-32X1	2
80	900598-12S	PLUG, O-RING BOSS #12	1
81	170114	OIL FILTER KOHLER CH740 **(NOT SHOWN)**	1
82	199105	FUEL FILTER KOHLER 25-050-42-S	1
83	210377	FUEL PRESSURE MODULE ECH740 **(NOT SHOWN)**	1
84	162041	REPLACEMENT AIR FILTER **(NOT SHOWN)**	1
85	162042	REPLACEMENT AIR FOAM **(NOT SHOWN)**	1
86	218060	SENSOR O2 KOHLER ECH740-3052 **(NOT SHOWN)**	1
87	189374	MUFFLER,KOHLER 25HP EFI, 02 SN	1

ITEM	PART NUMBER	DESCRIPTION	QTY.
88	205709	HOSE ASSY 3/4 X 60 JIC #12-#16 **(REPLACED BY 1-397-010304060)**	- -
88	205710	ADAPTER, 37-37 JIC, 90, 16S **(REPLACED BY 1-397-010304060)**	- -
88	1-397-010304060	HOSE ASSY,3/4X60,SAE37,STR-ST **(AFTER 11/19/2018 - REPLACED 205709 & 205710)**	1
89	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	2
90	239677	COUPLER FL FACE ISO -12 MALE **(REPAIR KIT - SEE PAGE 11-15) (BLACK BODY)**	1
91	239678	COUPLER FL FACE ISO -12 FEMALE **(REPAIR KIT - SEE PAGE 11-15)**	1
92	239679	DUST CAP -12 ISO MALE COUPLER	1
93	239680	DUST CAP FEMALE COUPLER -12ISO	1
94	205712	HOSE ASSY 3/4 X 60,#12 SAE 37	1
95	1-512-010004-03	NUT,HEX,SLFLK 10-24UNC, GRA	8
96	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
97	1-654-010055-12	SCREW,CP,HX .50-13UNCX3.75 GR5	2
98	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD	2
99	110-0116	SCREW RD HD CAP 10-24X3/4	8
100	110-0253	WASHER,FLAT 3/16 STD	8
101	189372	WLDMT,HOOD,25HP 15 GAL	1
102	3-181-010034-3	CLAMP CONDUIT STEEL 1"	1
103	3-443-010018	LATCH,FLEX DRAW,LEVER ASSIST	2
104	232033	ENGINE PKG GUARD KIT FI **(FLYWHEEL GUARD) (INCLUDES ITEMS 105-108) (ADDED AFTER 09/29/2020)**	1
105	1-512-010005-10	NUT HEX 1/2-20 SLF-LKG GRB	2
106	1-861-010032-14	WASHER, FLAT 1/2" N ZP/CD	2
107	162248	SCREW HX CP 1/2-20UNF X 1 GR5	2
108	232034	ENGINE PKG ADD GUARD	1
109	1-656-010003051	SCREW 10-24X4 RD HD MACHINEZP **(SPECIAL APPLICATIONS, SOLD SEPERATELY)**	6
110	128806	FILLER EXTENSION OIL TANKWLDMT **(SPECIAL APPLICATIONS, SOLD SEPERATELY)**	6
111	128809	GASKET, HYD TANK FILLER **(SPECIAL APPLICATIONS, SOLD SEPERATELY) (INCLUDED WITH ITEM 72)**	1
112	223220	GASKET, HYD TANK FILLER **(SPECIAL APPLICATIONS, REQ 3) (INCLUDED WITH ITEM 72)**	2
113	10030	SEAL,BAR STOCK-NEOPRENE SPNG **(BY THE INCH) (ADDED AFTER 05/23/2024)**	24

Mount, Front, Accessory Rack

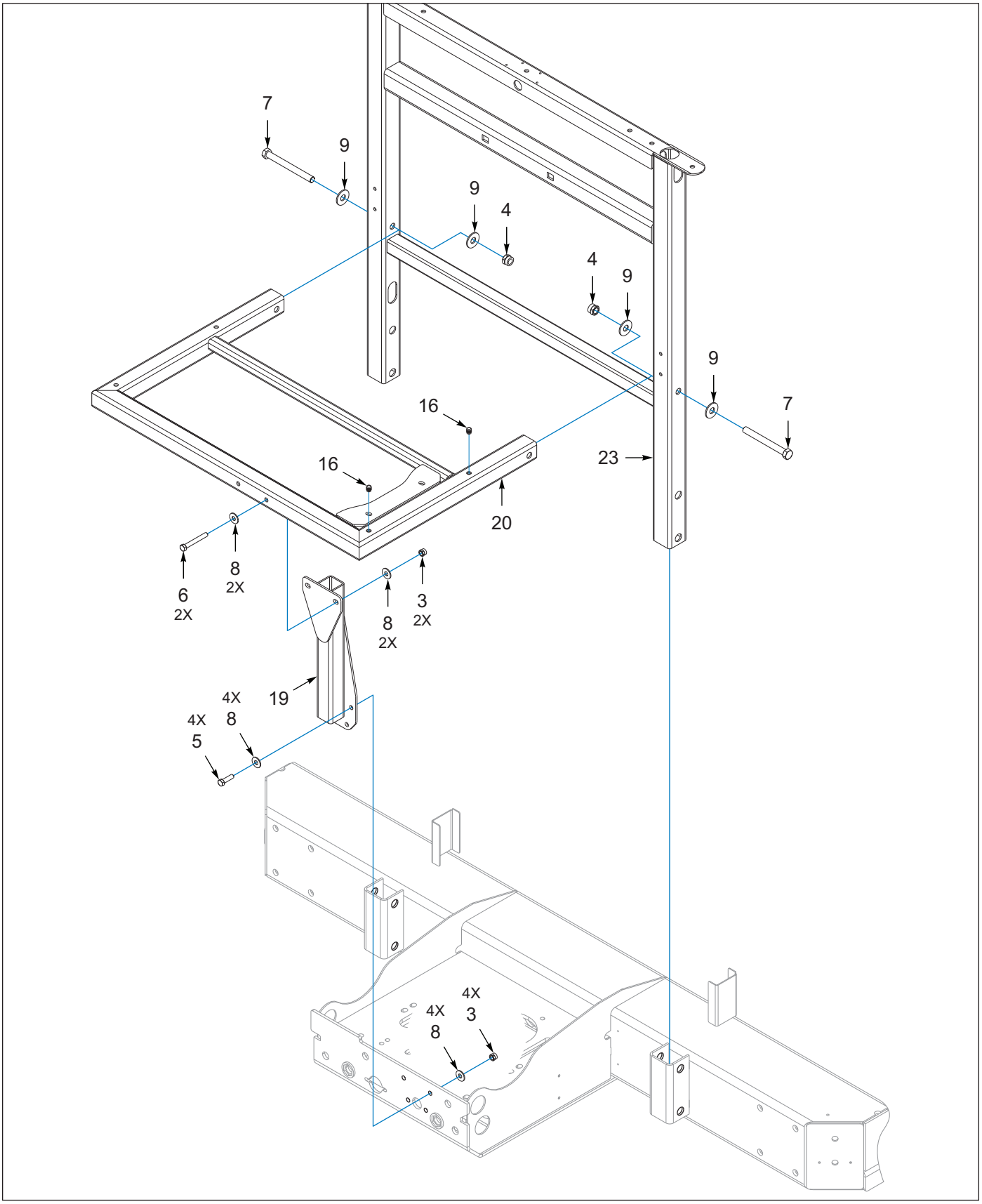


Figure 5-6: Mount, Front, Accessory Rack (1 of 2)

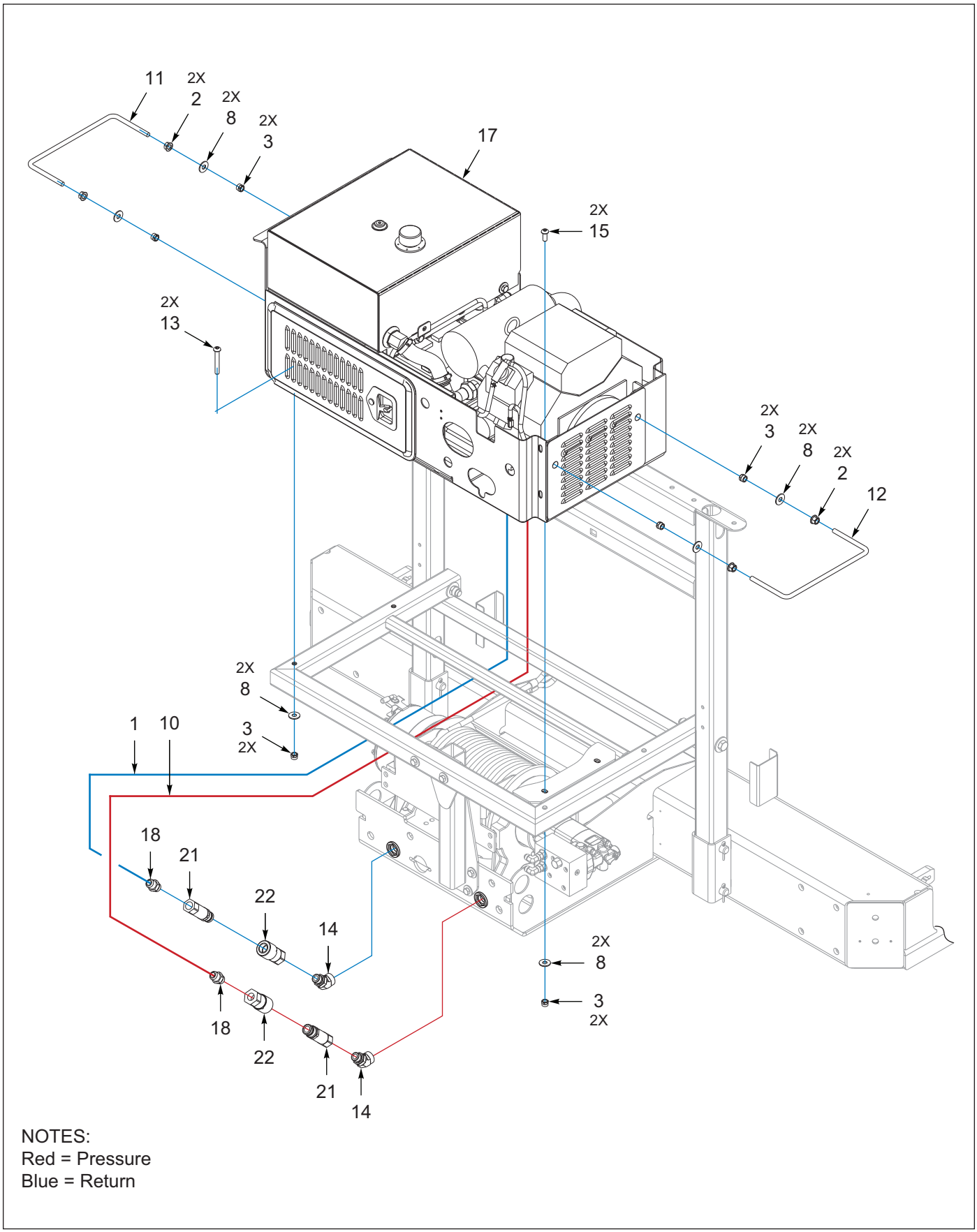


Figure 5-7: Mount, Front, Accessory Rack (2 of 2)

Mount, Front, Accessory Rack

ITEM	PART NUMBER	DESCRIPTION	QTY.
	220987	ENGINE DRIVE 25HP 343 ACC.RACK **(REQUIRES 40 FT ENGINE THROTTLE CABLE, SEE PAGE 5-1)**	- -
1	1-397-010305060	HOSE ASSY 3/4X60,SAE 37,STR90	1
2	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	4
3	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	14
4	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	2
5	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4	4
6	1-654-010055-12	SCREW,CP,HX .50-13UNCX3.75 GR5	2
7	1-654-010061-19	SCREW,HX CP 3/4-10UNCX7 GR5	2
8	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	20
9	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	4
10	105277	HOSE ASSY 3/4X78 SAE37 STR90	1
11	129838	HANDLE GRAB 1/2 FOR 14	1
12	129839	HANDLE GRAB 1/2 FOR 13-1/2	1
13	129910	SCREW, BHSC 1/2-13UNCX3-1/2	2
14	138209	ADAPTER HYD 45#12 MALE-FEMORB	2
15	178388	SCREW,BHSC 1/2-13UNC X 1-1/4	2
16	189278	PLUG, PLASTIC PANEL 1/2 & 9/16	2
17	189370	ENG PKG 25 HP EFI 15 GAL **(COMPONENTS - SEE PAGE 5-1)**	1
18	202702-12-12S	ADAPTER,#12 O-RING X #12 TUBE	2
19	220979	SUPPORT FRONT ENGINE STAND WLD	1
20	220986	MOUNT WLDMT FRONT ENG 343	1
21	239677	COUPLER FL FACE ISO -12 MALE **(REPAIR KIT - SEE PAGE 11-15) (BLACK BODY)**	2
22	239678	COUPLER FL FACE ISO -12 FEMALE **(REPAIR KIT - SEE PAGE 11-15)**	2
23	221606	ACCESSORY RACK INSTL 343 48" **(INSTALLATION - SEE PAGE 4-1)**	- -

Table provided for general use.

NOTES:

Mount, Front, Stand

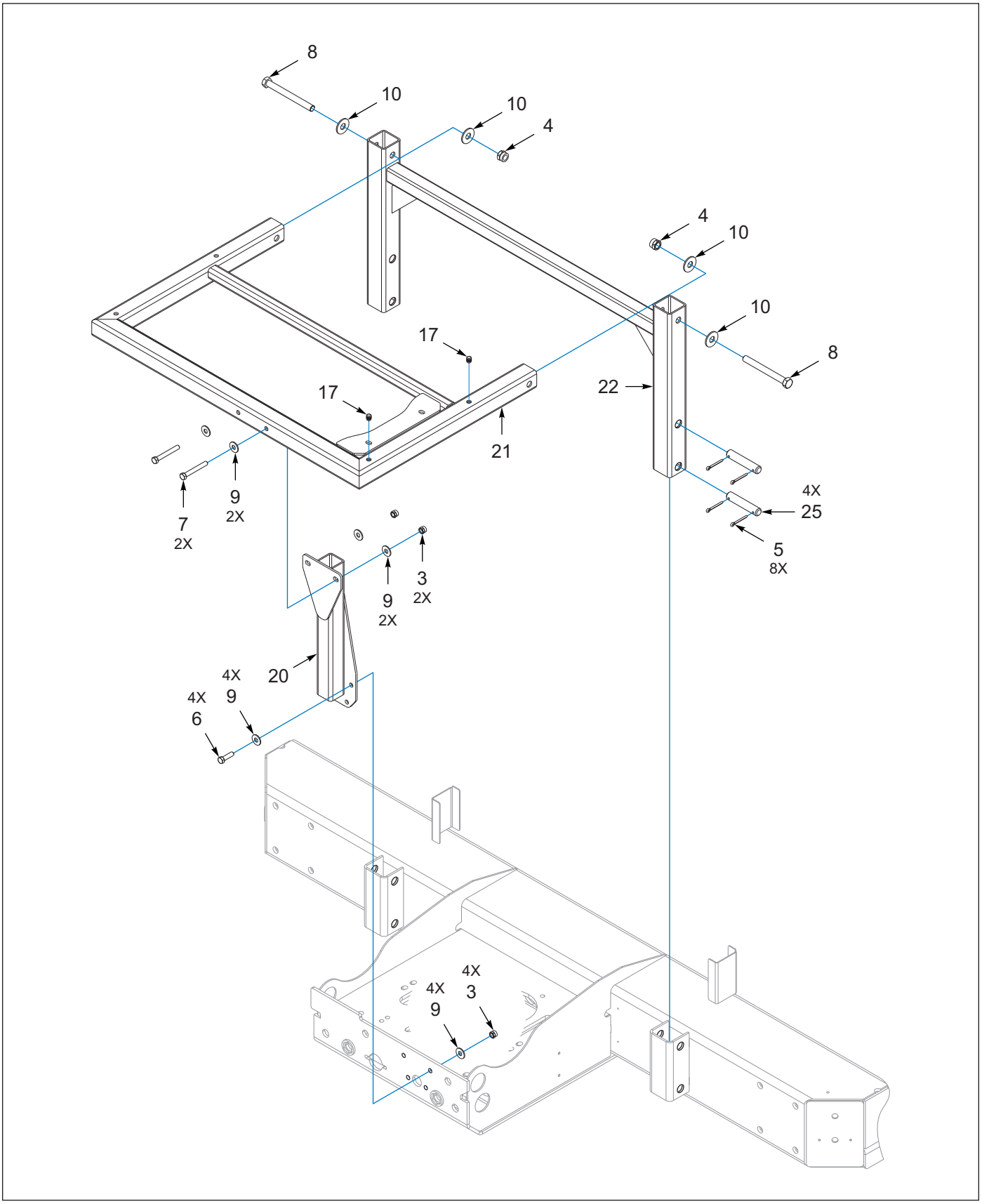


Figure 5-8: Mount, Front, Stand (1 of 2)

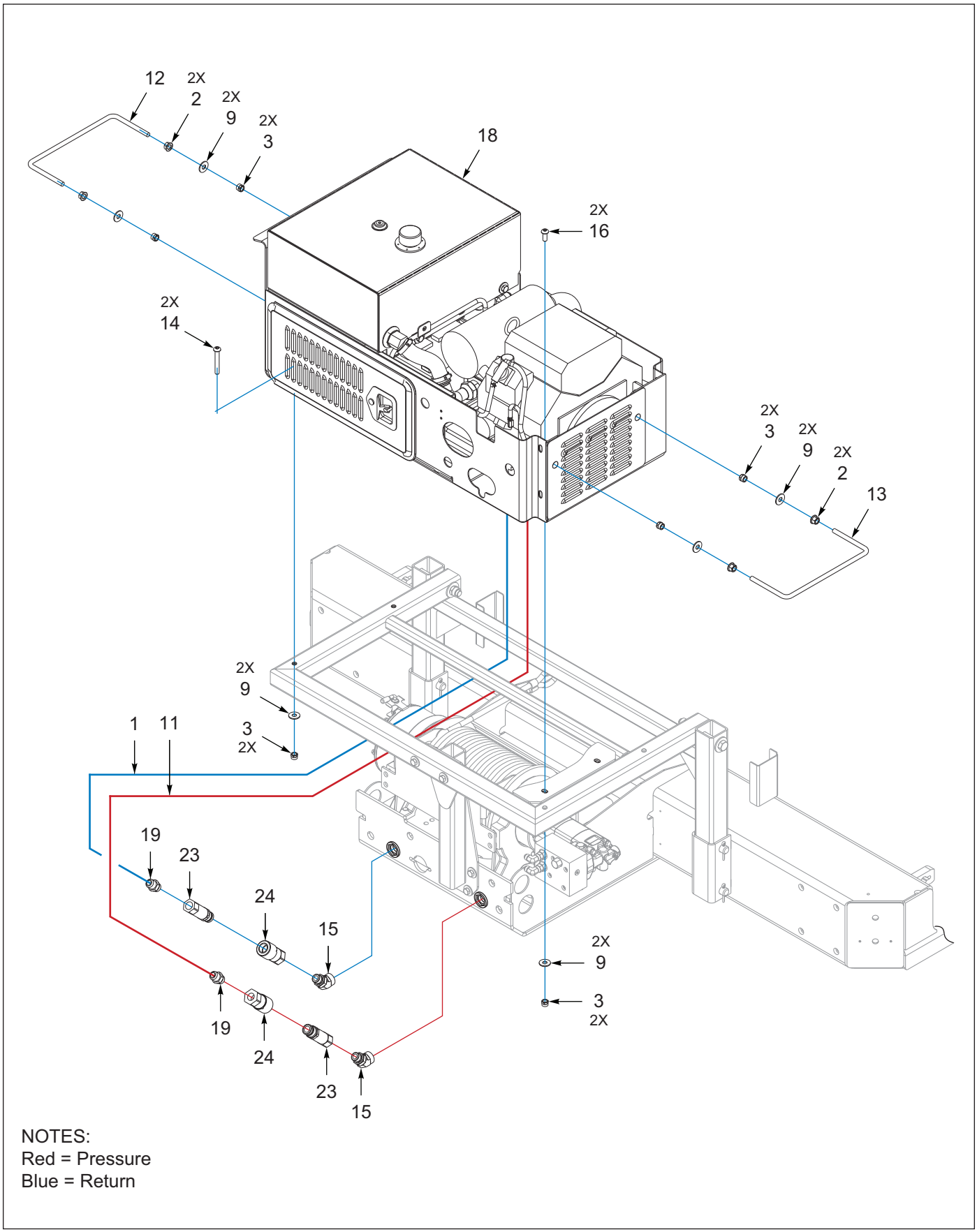


Figure 5-9: Mount, Front, Stand, (2 of 2)

Mount, Front, Stand

ITEM	PART NUMBER	DESCRIPTION	QTY.
	230690	ENGINE DRIVE 25HP 343 FRT MNT	- -
	229452	MOUNT, FRONT ENG, 343 **(MOUNT KIT INCLUDES ITEMS 3-10, 17, 20-22, 25)**	1
1	1-397-010305060	HOSE ASSY 3/4X60,SAE 37,STR90	1
2	1-510-010003-09	NUT,1/2-13 FLANGE HD,SERRATED	4
3	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB **(INCLUDED WITH MOUNT KIT 229452, 6 EACH)**	14
4	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10 **(INCLUDED WITH MOUNT KIT 229452)**	2
5	1-557-010362-63	PIN,COTTER 1/4X2 ZP **(INCLUDED WITH MOUNT KIT 229452)**	8
6	1-654-010055-04	SCREW,HEX CAP,1/2-13UNCX1-3/4 **(INCLUDED WITH MOUNT KIT 229452)**	4
7	1-654-010055-12	SCREW,CP,HX .50-13UNCX3.75 GR5 **(INCLUDED WITH MOUNT KIT 229452)**	2
8	1-654-010061-19	SCREW,HX CP 3/4-10UNCX7 GR5 **(INCLUDED WITH MOUNT KIT 229452)**	2
9	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD **(INCLUDED WITH MOUNT KIT 229452, 12 EACH)**	20
10	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD **(INCLUDED WITH MOUNT KIT 229452)**	4
11	105277	HOSE ASSY 3/4X78 SAE37 STR90	1
12	129838	HANDLE GRAB 1/2 FOR 14	1
13	129839	HANDLE GRAB 1/2 FOR 13-1/2	1
14	129910	SCREW, BHSC 1/2-13UNCX3-1/2	2
15	138209	ADAPTER HYD 45#12 MALE-FEMORB	2
16	178388	SCREW,BHSC 1/2-13UNC X 1-1/4	2
17	189278	PLUG, PLASTIC PANEL 1/2 & 9/16 **(INCLUDED WITH MOUNT KIT 229452)**	2
18	189370	ENG PKG 25 HP EFI 15 GAL **(COMPONENTS - SEE PAGE 5-1)**	- -
19	202702-12-12S	ADAPTER,#12 O-RING X #12 TUBE	2
20	220979	SUPPORT FRONT ENGINE STAND WLD **(INCLUDED WITH MOUNT KIT 229452)**	1
21	220986	MOUNT WLDMT FRONT ENG 343 **(INCLUDED WITH MOUNT KIT 229452)**	1
22	230691	WLDMT ENG MNT 343 FRONT **(INCLUDED WITH MOUNT KIT 229452)**	1
23	239677	COUPLER FL FACE ISO -12 MALE **(REPAIR KIT - SEE PAGE 11-15)** **(BLACK BODY)**	2
24	239678	COUPLER FL FACE ISO -12 FEMALE **(REPAIR KIT -** **SEE PAGE 11-15)**	2
25	6-557-010163	PIN HITCH LEVELING LINK **(INCLUDED WITH MOUNT KIT 229452)**	4

Table provided for general use.

NOTES:

Retrieval System (Options)

Chain Drive Install, 1 Speed

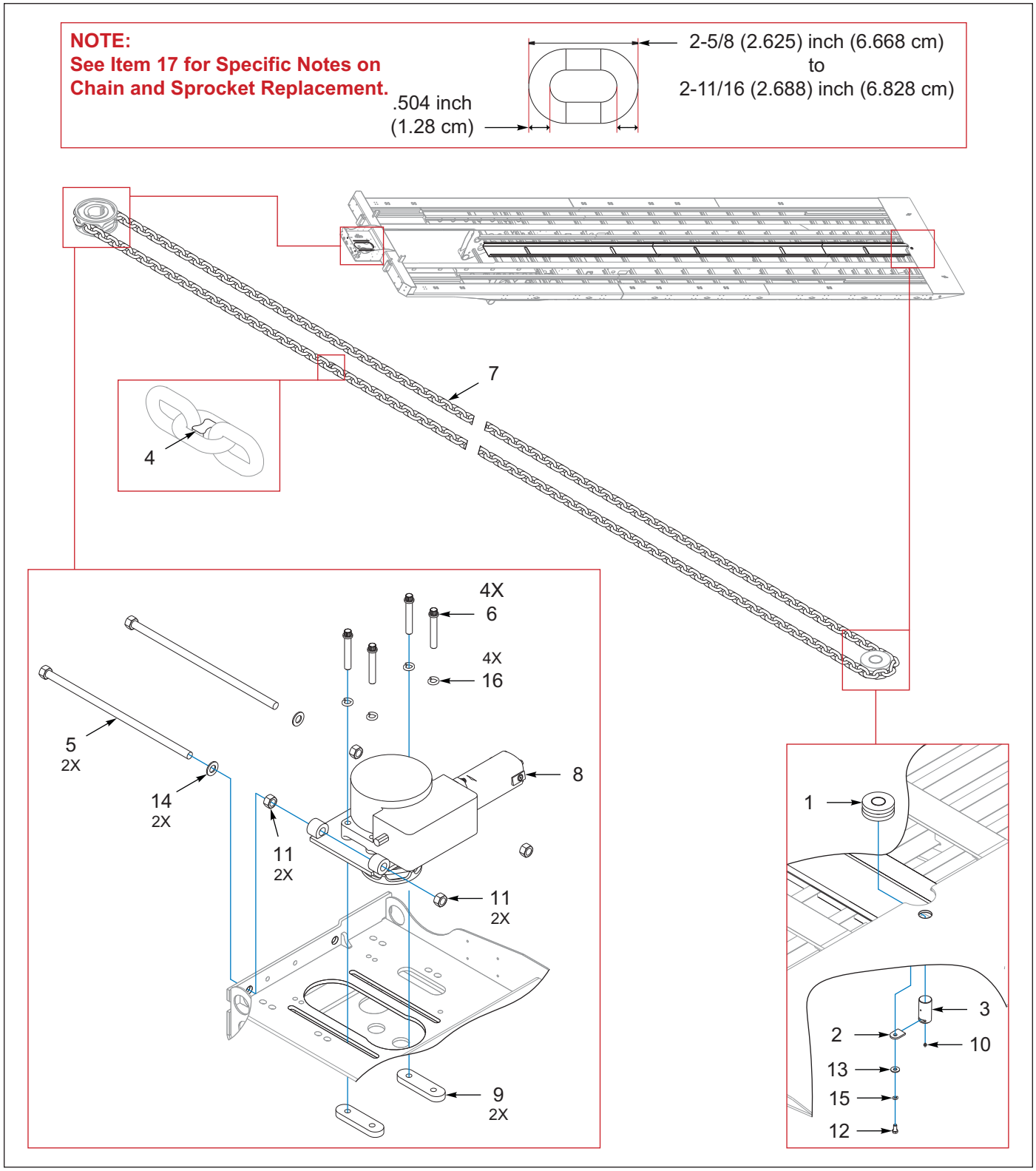


Figure 6-1: Chain Drive Install, 1 Speed

Chain Drive Install, 1 Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	220970	GEARBOX ASSY 343-39 TRL **(39 FOOT)**	- -
	180898	GEARBOX ASSY, 343-43 TRL **(43 FOOT)**	- -
1	128801	IDLER, LOG CHAIN 1/2	1
2	128802	STOP, IDLER PIN	1
3	128803	PIN, IDLER LOG CHAIN 340	1
4	129214	SPLICE, CHAIN 1/2 **(WELD-IN)**	1
5	129217	ROD WLDMT 7/8-9X24	2
6	139345	SCREW,12PT,3/4-10UNCX4-1/2	4
7	- - - - -	CHAIN 1/2" GRD 7 **(SEE ITEM 17, NOTES)** **(CHAIN COMES UNASSEMBLED, ORDER ITEM 4)**	1
8	197451	GEARBOX SUB-ASSY 343 **(ASSEMBLY - SEE PAGE 6-3)** **(HYDRAULICS - SEE PAGE 11-5)**	1
9	199023	CLAMP ANCHOR BRADEN GEARBOX	2
10	1-298-010001-1	ZERK FITTING 1/4 SAE	1
11	1-512-010007-13	NUT, HEX 7/8-9 GR2 ZP	4
12	1-654-010055-01	SCR,HX CP 1/2-13UNCX1 GR5	1
13	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	1
14	1-861-010032-22	WASHER,FL 7/8 ZP/CD	2
15	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	1
16	1-861-010034-17	WASHER,LKG,HLCL SPR,3/4	4
17	- - - - -	**RECOMMEND REPLACING CHAIN & SPROCKET TOGETHER.** **CHAIN / SPROCKET REPLACEMENT:** ***MEASURE CHAIN LINKS WITH CALIPERS AND CONTACT THE LANDOLL SERVICE DEPARTMENT.*** **CHAIN / SPROCKET WEAR LIMITS:** ***CONTACT THE LANDOLL SERVICE DEPARTMENT.***	- -

Chain Drive Assembly, 1 Speed

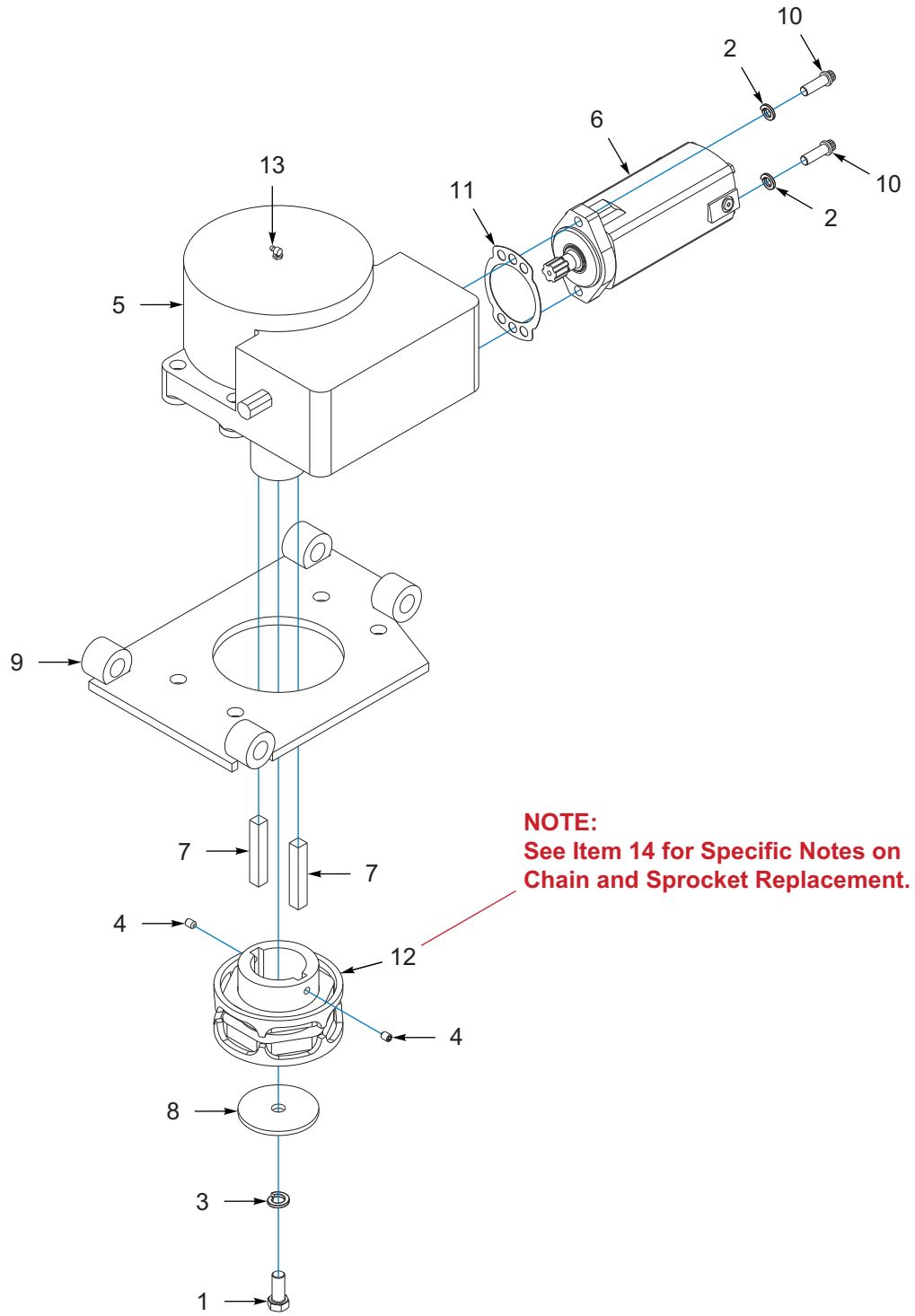
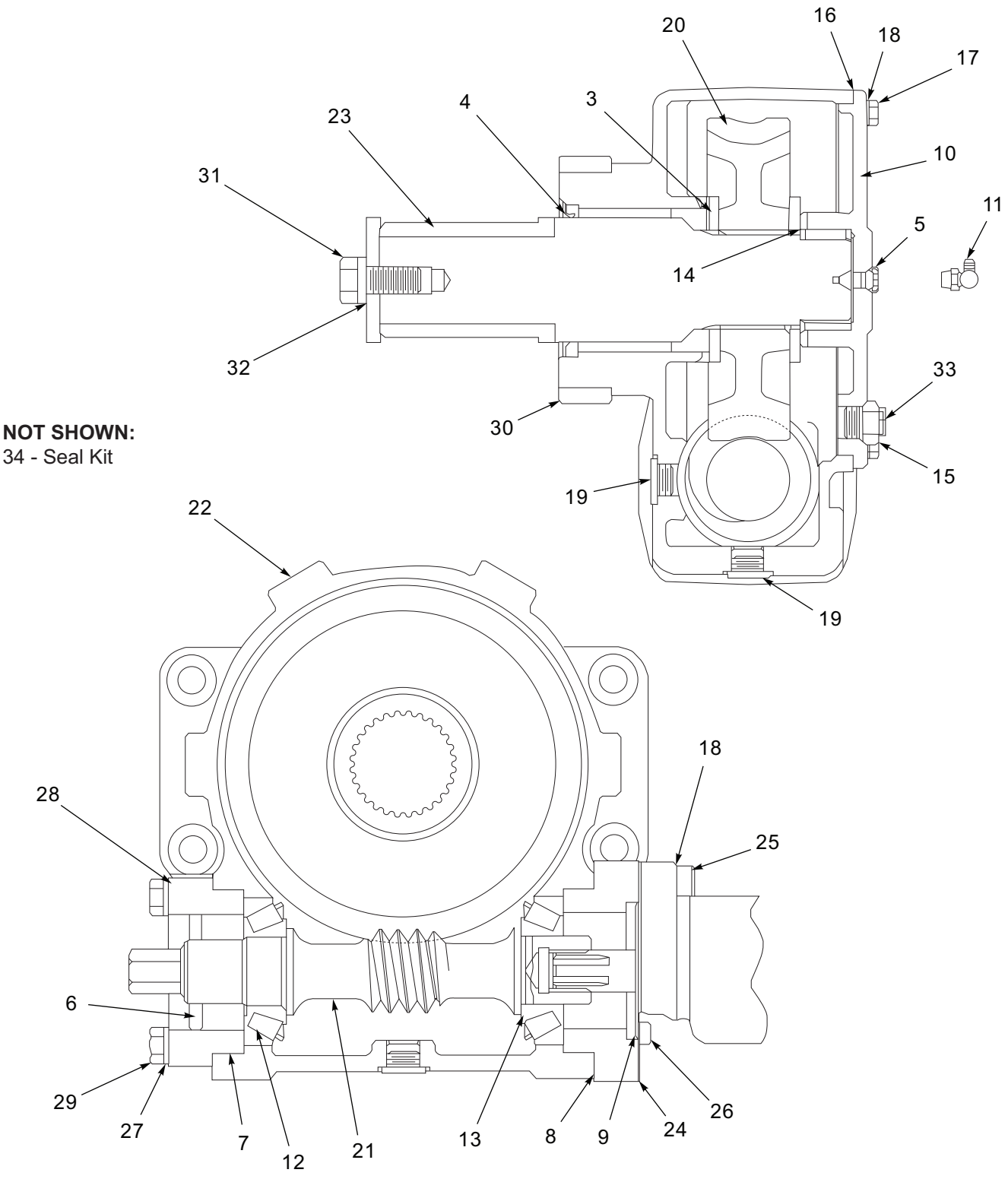


Figure 6-2: Chain Drive Assembly, 1 Speed

Chain Drive Assembly, 1 Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	197451	GEARBOX SUB-ASSY 343 **(HYDRAULICS - SEE PAGE 11-5)** **(INSTALLATION - SEE PAGE 6-1)**	- -
1	1-654-010059-03	SCREW 5/8-11UNCX1-1/2 HXCP G5	1
2	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	2
3	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8	1
4	110-3494	SETSCREW SOC HD 3/8-16X1/2LG	2
5	126858	GEARBOX, BRADEN **(COMPONENTS - SEE PAGE 6-5)**	1
6	126973	MOTOR FOR BRADEN GEARBOX	1
7	127598	KEY 5/8 X 3-3/4	2
8	128713	WASHER, KEEPER CHAIN GEAR	1
9	129203	ANCHOR,WLDMT GEARBOX ADJ 340	1
10	130127	SCREW,12PT,1/2-13 UNC X 1.500	2
11	137935	GASKET BRADEN GEARBOX 22813	1
12	- - - - -	BUSHING CHAIN SPROCKET 1/2 WLD **(SEE ITEM 14, NOTES)**	1
13	4000591	ZERK, 1/8 90 DEGREE **(SOLD SEPARATELY)**	1
14	- - - - -	**RECOMMEND REPLACING CHAIN & SPROCKET TOGETHER.** **CHAIN / SPROCKET REPLACEMENT:** ***MEASURE CHAIN LINKS WITH CALIPERS AND CONTACT THE LANDOLL SERVICE DEPARTMENT.*** **CHAIN / SPROCKET WEAR LIMITS:** ***CONTACT THE LANDOLL SERVICE DEPARTMENT.***	- -

Chain Drive Components, Gearbox



NOT SHOWN:
34 - Seal Kit

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

Figure 6-3: Chain Drive Components, Gearbox

Chain Drive Components, Gearbox

ITEM	PART NUMBER	DESCRIPTION	QTY.
	126858	GEARBOX, BRADEN	1
1	130346	WORM HOUSING BUSHING (100527)	1
2	130347	WORM HSG COVER BUSHING(23647)	1
3	216575	RETAINING RING	2
4	216574	OIL SEAL **(130349)**	1
5	216585	PIPE PLUG	1
6	216582	SEAL	1
7	216569	O-RING	2
8	216570	SHIM	2
9	137935	GASKET MOTOR **(216578) (ALSO DISPLAYED - SEE PAGE 6-3)**	1
10	216559	COVER WORM HOUSING	1
11	4000591	ZERK, 1/8 90 DEGREE	1
12	216561	BEARING CUP CONE COMBO **(INCLUDES ITEM 13)**	2
13	216562	BEARING CONE **(NOT SOLD SEPARATELY, ORDER ITEM 12)**	2
14	216563	RETAINING RING	1
15	216564	REDUCER STR THD ADAPTER	1
16	216565	WORM COVER GASKET	1
17	216566	CAPSCREW	6
18	216567	LOCK WASHER	6
19	216568	PLUG O-O-RING FLUSH 16496-8	2
20	216571	WORM GEAR (30:1 UT12C)	1
21	216572	WORM	1
22	216573	HOUSING WORM (WR50-LS)	1
23	216576	OUTPUT SHAFT	1
24	216577	ADAPTER MOTOR	1
25	216579	CAPSCREW	2
26	216580	LOCKWASHER HI-COLLAR	4
27	216581	LOCKWASHER	2
28	216583	RETAINER BEARING	1
29	216584	CAPSCREW	4
30	216586	PILOT RING	1
31	216587	LOCKWASHER	1
32	216588	30-245CPSTN RET WASH	1
33	130350	RELIEF / VENT (10074)	1
34	216589	SEAL KIT FOR 126858 GEARBOX **(NOT SHOWN)**	- -

Winch Install, Ramsey 12K, 1 Speed, Spring Tension

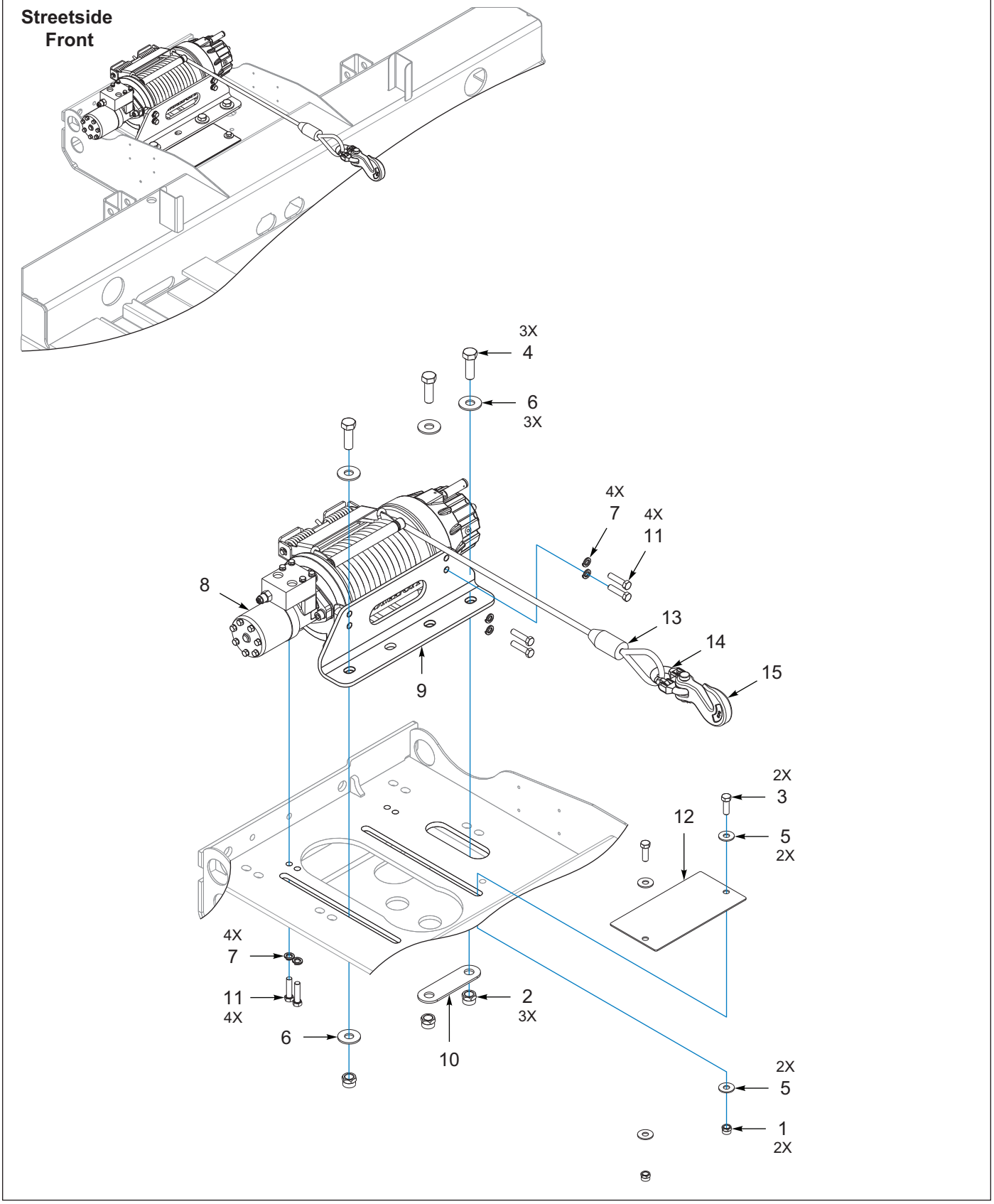


Figure 6-4: Winch Install, Ramsey 12K, 1 Speed, Spring Tension

Winch Install, Ramsey 12K, 1 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	242587	WINCH 12K RAMSEY 343	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
2	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	3
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	2
4	1-654-010061-06	SCREW,HXCP,3/4-10UNCX2-1/4GR5	3
5	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
6	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	4
7	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	8
8	240549	WINCH 12K RAMSEY **(AIR SYSTEM - SEE PAGE 8-31)** **(COMPONENTS - SEE PAGE 6-15)** **(HYDRAULIC SYSTEM - SEE PAGE 11-7)**	1
9	242588	BRACKET FRONT 12K RAMSEY	1
10	180907	BTM PLATE 12K WARN MT	1
11	198996	SCREW M12-1.75X50 HCS8.8ZP FUL	8
12	204655	COVER 343 FOR 12K WINCH	1
13	3-155-010017-4	CABLE 1/2 W/LOOP 85FT	1
14	3-174-010038	CHAIN LINK CONNECTING 1/2	1
15	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1

Winch Install, Ramsey 20K, 2 Speed, Spring Tension

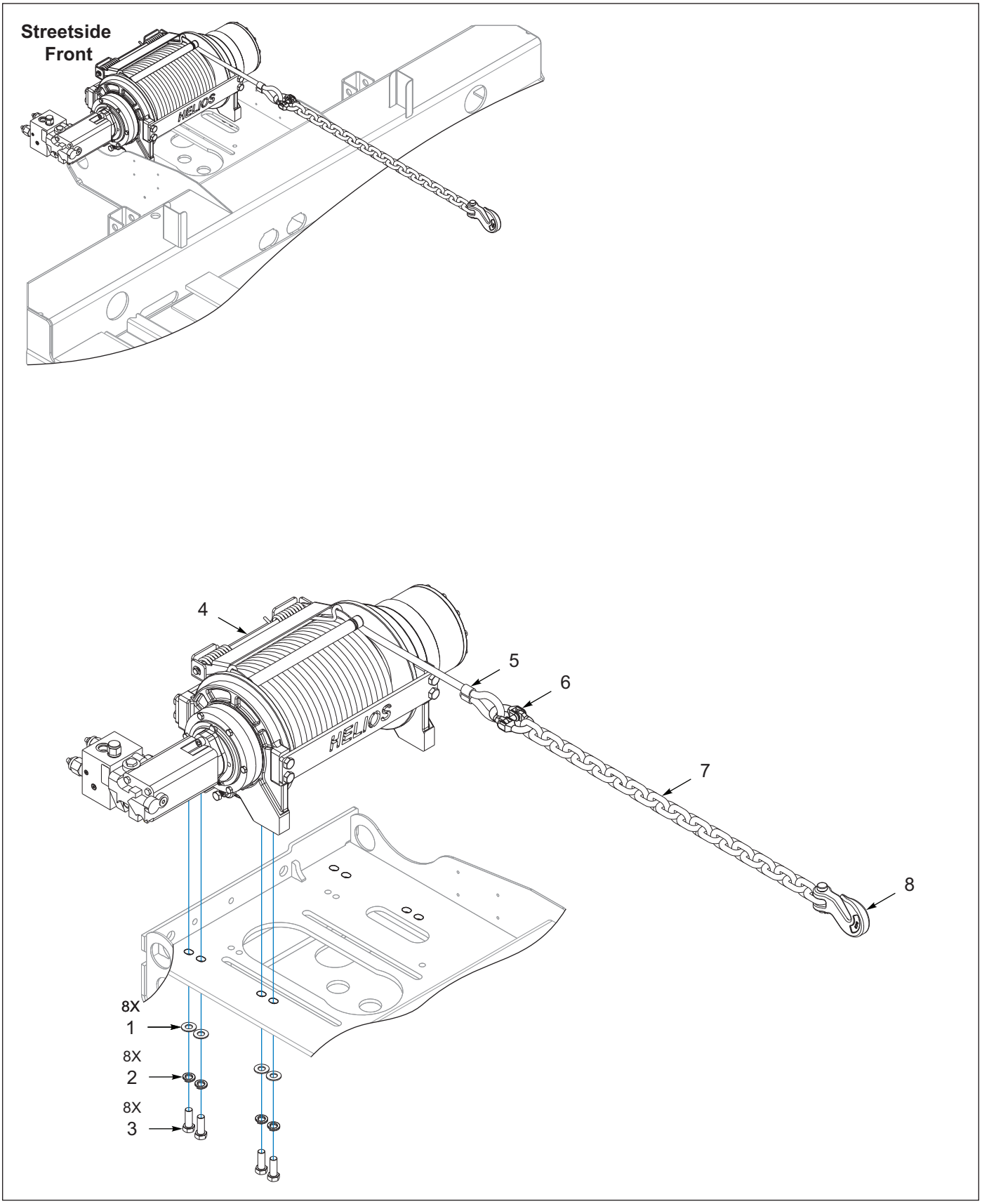


Figure 6-5: Winch Install, Ramsey 20K, 2 Speed, Spring Tension

Winch Install, Ramsey 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	242589	WINCH 20K RAMSEY 2SP 343	- -
1	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD	8
2	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8	8
3	109740	SCREW HEX CAP 5/8-11X1-3/4 GR8	8
4	240526	WINCH 20K RAMSEY 2 SPEED **(AIR SYSTEM - SEE PAGE 8-33)** **(COMPONENTS - SEE PAGE 6-19)** **(ELECTRICAL SYSTEM - SEE PAGE 9-33)** **(HYRAULIC SYSTEM - SEE PAGE 11-9)**	1
5	3-155-010018-6	CABLE 5/8 W/LOOP 85FT	1
6	3-174-010038	CHAIN LINK CONNECTING 1/2	1
7	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS	1
8	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1

Winch Install, Warn 12K, 1 Speed, Spring Tension

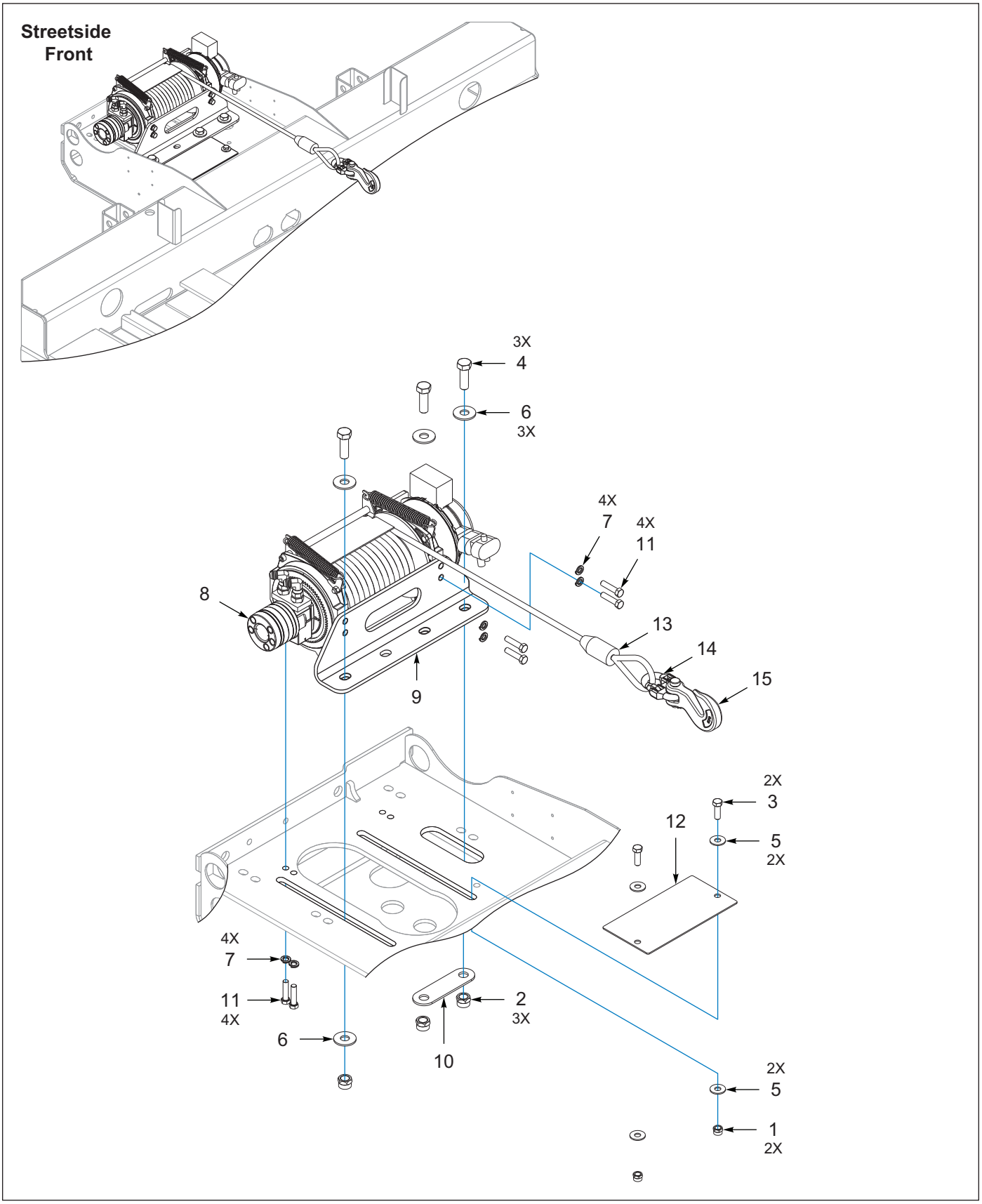


Figure 6-6: Winch Install, Warn 12K, 1 Speed, Spring Tension

Winch Install, Warn 12K, 1 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	180908	WINCH 12K WARN 343	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	2
2	1-512-010005-15	NUT,HEX,SLFLKG GRB 3/4-10	3
3	1-654-010055-03	SCREW,HEX CAP,1/2-13UNCX1-1/2	2
4	1-654-010061-06	SCREW,HXCP,3/4-10UNCX2-1/4GR5	3
5	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	4
6	1-861-010032-21	WASHER, FLAT 3/4 W ZP/CD	4
7	1-861-010034-13	WASHER, LKG HLCL SPR, 1/2	8
8	166421	WINCH 12M WARN W/LW&RMTC **(AIR SYSTEM - SEE PAGE 8-35)** **(COMPONENTS - SEE PAGE 6-23)** **(HYDRAULIC SYSTEM - SEE PAGE 11-11)**	1
9	180282	BRACKET FRONT 12K WARN	1
10	180907	BTM PLATE 12K WARN MT	1
11	198996	SCREW M12-1.75X50 HCS8.8ZP FUL	8
12	204655	COVER 343 FOR 12K WINCH	1
13	3-155-010017-4	CABLE 1/2 W/LOOP 85FT	1
14	3-174-010038	CHAIN LINK CONNECTING 1/2	1
15	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1

Winch Install, Warn 20K, 2 Speed, Spring Tension

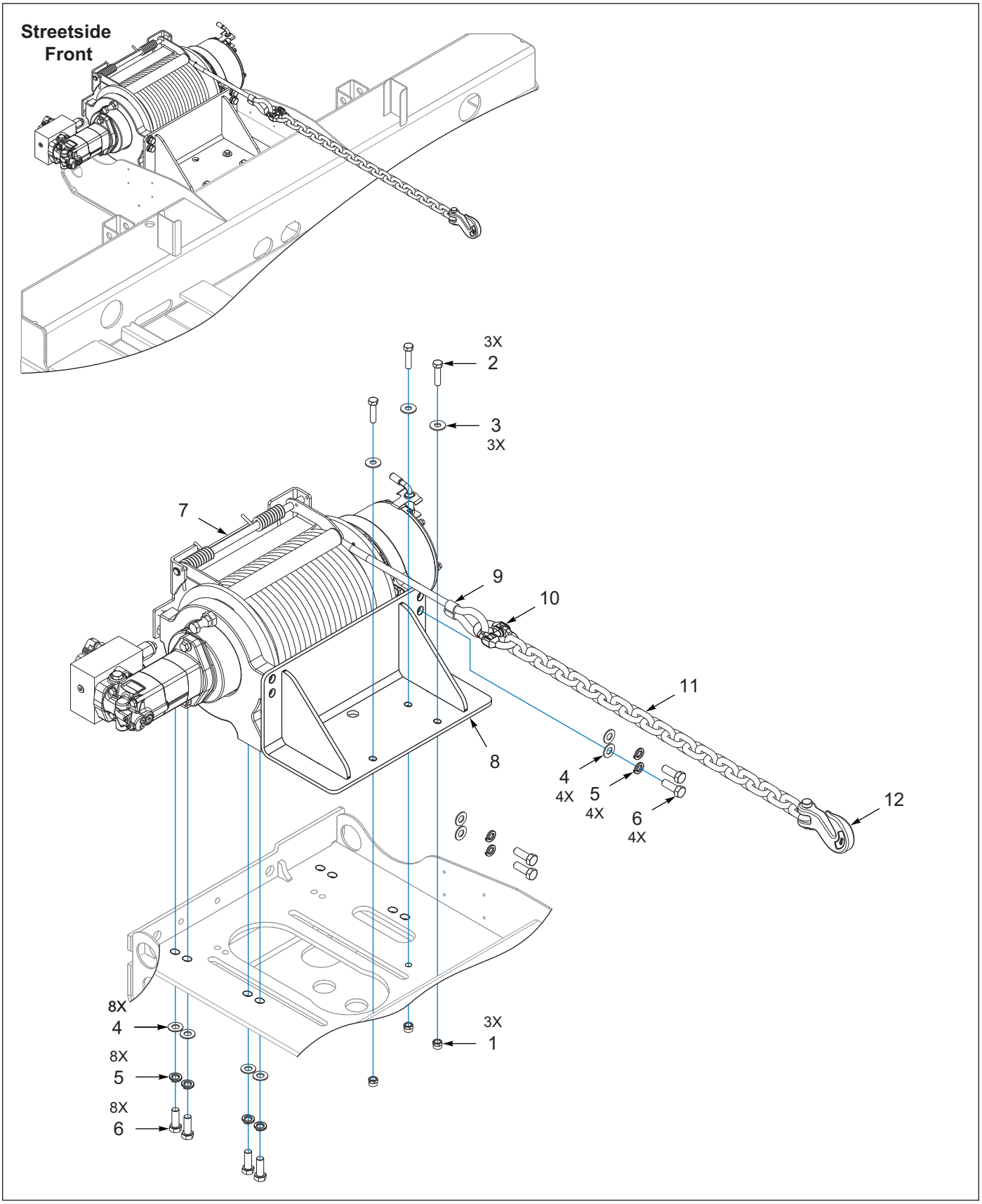


Figure 6-7: Winch Install, Warn 20K, 2 Speed, Spring Tension

Winch Install, Warn 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178676	WINCH INSTL 20K WARN 2 SPD 343	- -
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	3
2	1-654-010055-05	SCREW,HEX CAP,1/2-13UNCX2 GR5	3
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	3
4	1-861-010032-18	WASHER, FLAT 5/8 N ZP/CD	12
5	1-861-010034-15	WASHER,LKG,HLCL SPR,5/8	12
6	109740	SCREW HEX CAP 5/8-11X1-3/4 GR8	12
7	167521	WINCH 20K WARN 2 SPEED **(AIR SYSTEM - SEE PAGE 8-37)** **(COMPONENTS - SEE PAGE 6-25)** **(ELECTRICAL SYSTEM - SEE PAGE 9-35)** **(HYRAULIC SYSTEM - SEE PAGE 11-13)**	1
8	213127	20K WARN WIN SPPT 343A WLDMT	1
9	3-155-010018-6	CABLE 5/8 W/LOOP 85FT	1
10	3-174-010038	CHAIN LINK CONNECTING 1/2	1
11	3-174-010039036	CHAIN 1/2X36" GRD 7 21LINKS	1
12	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1

Winch Components, Ramsey 12K, 1 Speed, Spring Tension

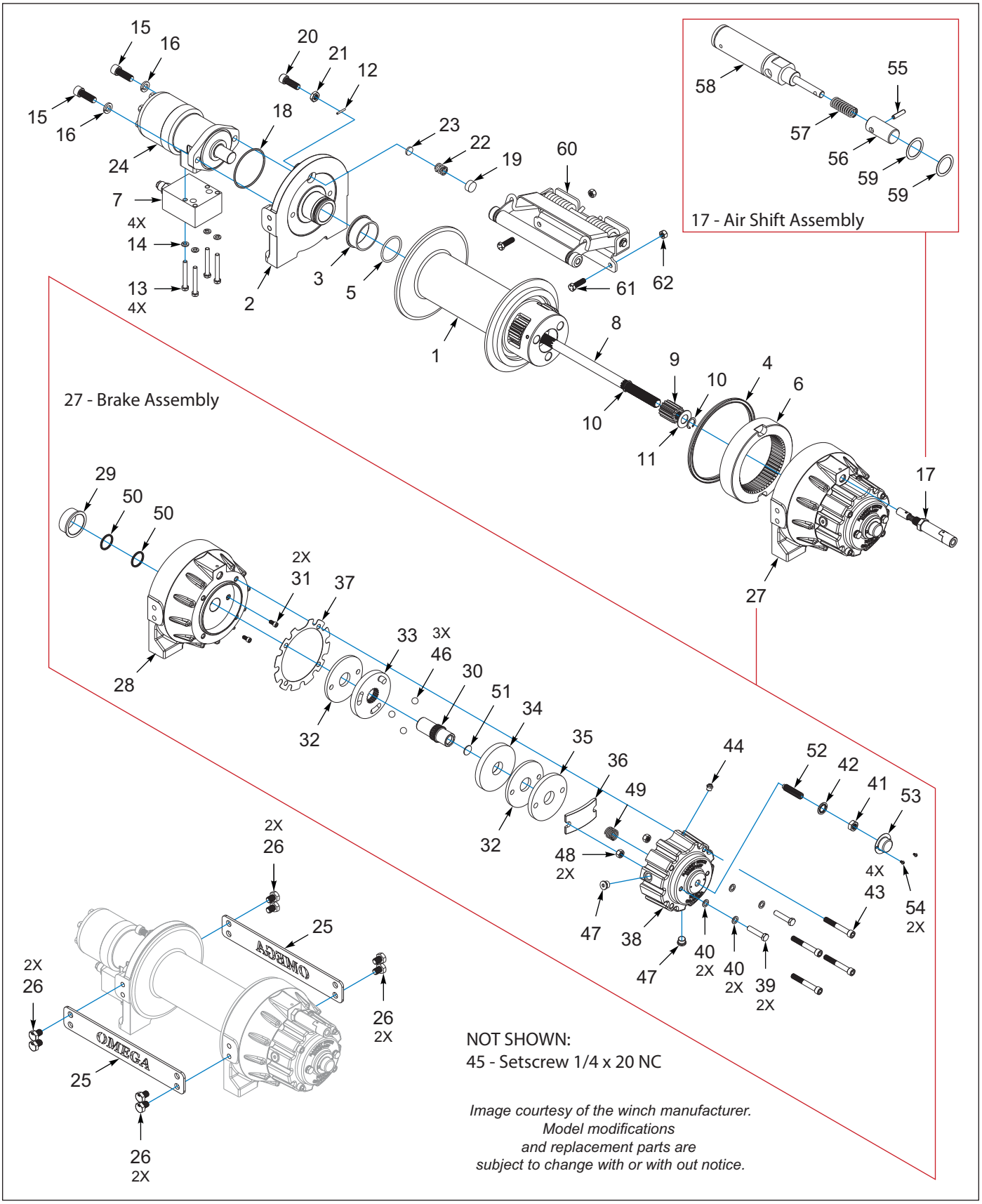


Figure 6-8: Winch Components, Ramsey 12K, 1 Speed, Spring Tension

Winch Components, Ramsey 12K, 1 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	240549	WINCH 12K RAMSEY	- -
1	- - - - -	ASSEMBLY DRUM	1
2	- - - - -	END BEARING-M.E.	1
3	- - - - -	BUSHING, DRUM	1
4	- - - - -	SEAL-GEAR HOUSING	1
5	- - - - -	O-RING	1
6	- - - - -	RING GEAR	1
7	- - - - -	C'BALANCE VALVE-"B" ROTATION	1
8	- - - - -	INPUT SHAFT	1
9	- - - - -	GEAR-OUTPUT SUN	1
10	- - - - -	SNAP RING-EXTERNAL, 3100-75	2
11	- - - - -	WASHER-THRUST,.063 THK.X1.50 OD	1
12	- - - - -	SPIROL PIN-1/8 X 7/8 LG	1
13	- - - - -	CAPSCREW-5/16-18NC X 2.50 LG	4
14	- - - - -	LOCKWASHER-5/16 MED SECT Z/P	4
15	- - - - -	CAPSCREW-1/2-13NCX1 1/2LG,SOCHD,Z/P	2
16	- - - - -	LOCKWASHER-1/2 ID MED SECT,ZINC PLT	2
17	- - - - -	SHIFTER ASSEMBLY	1
18	- - - - -	O-RING	1
19	- - - - -	SHOE-DRAG BRK,7/8DIAX3/8LG PHENOLIC	1
20	- - - - -	CAPSCREW - M12X1.75X35mm SOCKET HEAD	1
21	- - - - -	JAM NUT-M12 X 1.75	1
22	- - - - -	SPRING	1
23	- - - - -	THRUST DISC	1
24	- - - - -	MOTOR-HYD, 24.9 CU IN WHITE	1
25	- - - - -	TIE PLATE	2
26	- - - - -	CAPSCREW-M12	8
27	- - - - -	BRAKE ASSEMBLY	1
28	- - - - -	END BEARING-GE	1
29	- - - - -	BUSHING	1
30	- - - - -	BRAKE SHAFT	1
31	- - - - -	CAPSCREW	2
32	- - - - -	DISC-BRAKE	2
33	- - - - -	BRAKE HUB PLATE	1
34	- - - - -	BRAKE CAM PLATE, SLOT "A"	1
35	- - - - -	RETAINER PLATE	1
36	- - - - -	FLAT BRAKE SPRING	1
37	- - - - -	GASKET	1
38	- - - - -	BRAKE HOUSING-MACHINED	1
39	- - - - -	CAPSCREW-3/8-16 X 1.0 LG HX HD GR5, Z/P	2
40	- - - - -	FLAT WASHER	4
41	- - - - -	NUT-1/2-13NC, HEX, JAM, Z/P	1
42	- - - - -	THREAD SEAL	1
43	- - - - -	SOC HD CAPSCREW	4
44	- - - - -	RELIEF VENT	1
45	- - - - -	SETSCREW1/4-20NCX1/4 HX SOCK HD CUP	1
46	- - - - -	BALL-1/2 DIA CHROME STEEL	3
47	- - - - -	PLUG-SAE O-RING,.562-18NF,6HP50NS	2
48	- - - - -	3/8"- 16 THREAD NUT	2

ITEM	PART NUMBER	DESCRIPTION	QTY.
49	- - - - -	SPRING-DRUM FREESPOOL	1
50	- - - - -	QUAD RING	2
51	- - - - -	CONCAVE PLUG	1
52	- - - - -	SET SCREW	1
53	- - - - -	COVER	1
54	- - - - -	TAMPER RESISTANT CAPSCREW	2
55	- - - - -	PIN-SPRING	1
56	- - - - -	PLUNGER-CLUTCH	1
57	- - - - -	SPRING	1
58	- - - - -	AIR CYLINDER CLUTCH SHIFTER	1
59	- - - - -	SHIM-AIR CYLINDER	2
60	- - - - -	WINCH TENSIONER ASSEMBLY	1
61	- - - - -	BOLT	2
62	- - - - -	NUT	2

Table provided for general use.

NOTES:

Winch Components, Ramsey 20K, 2 Speed, Spring Tension

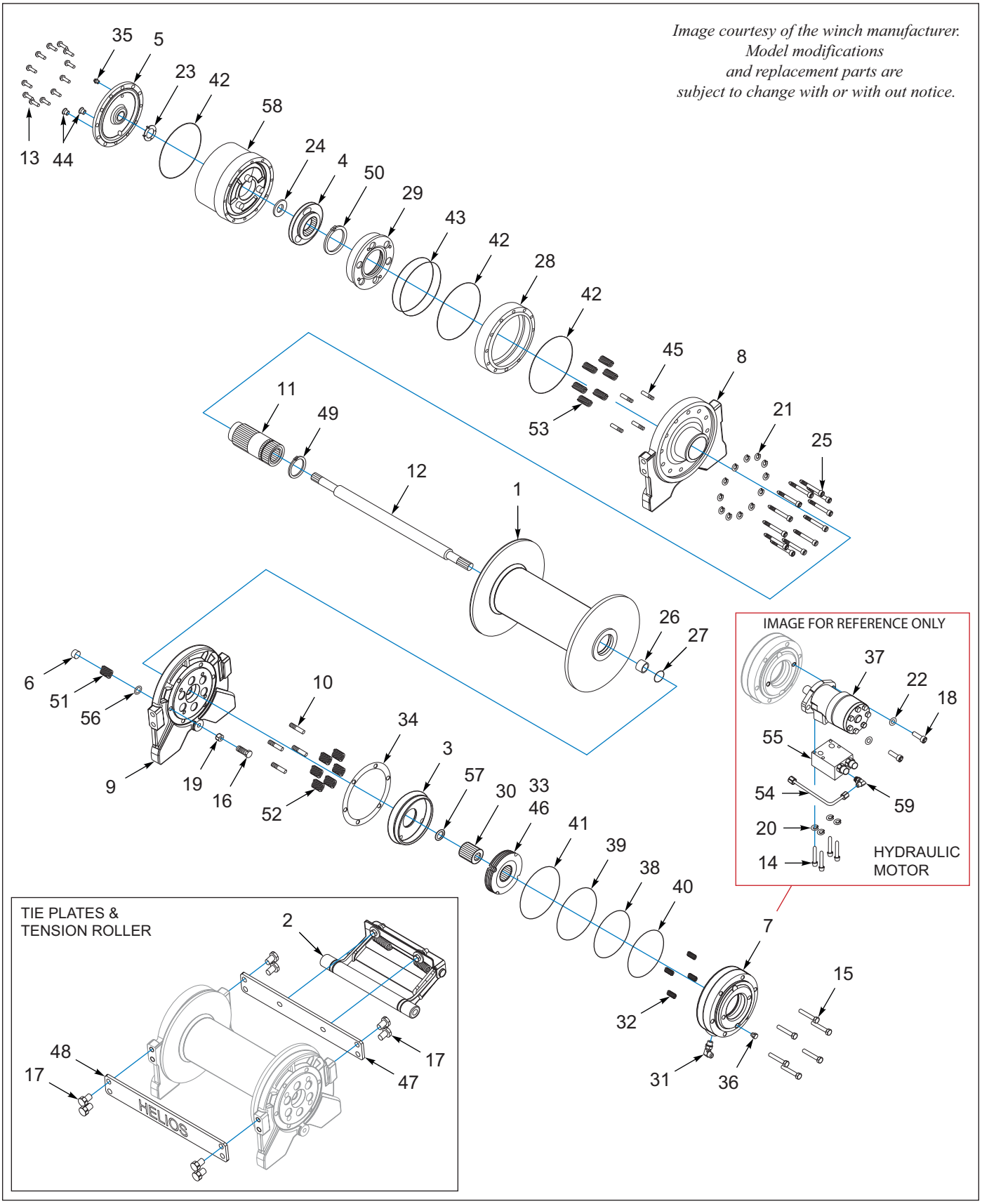


Figure 6-9: Winch Components, Ramsey 20K, 2 Speed, Spring Tension

Winch Components, Ramsey 20K, 2 Speed, Spring Tension

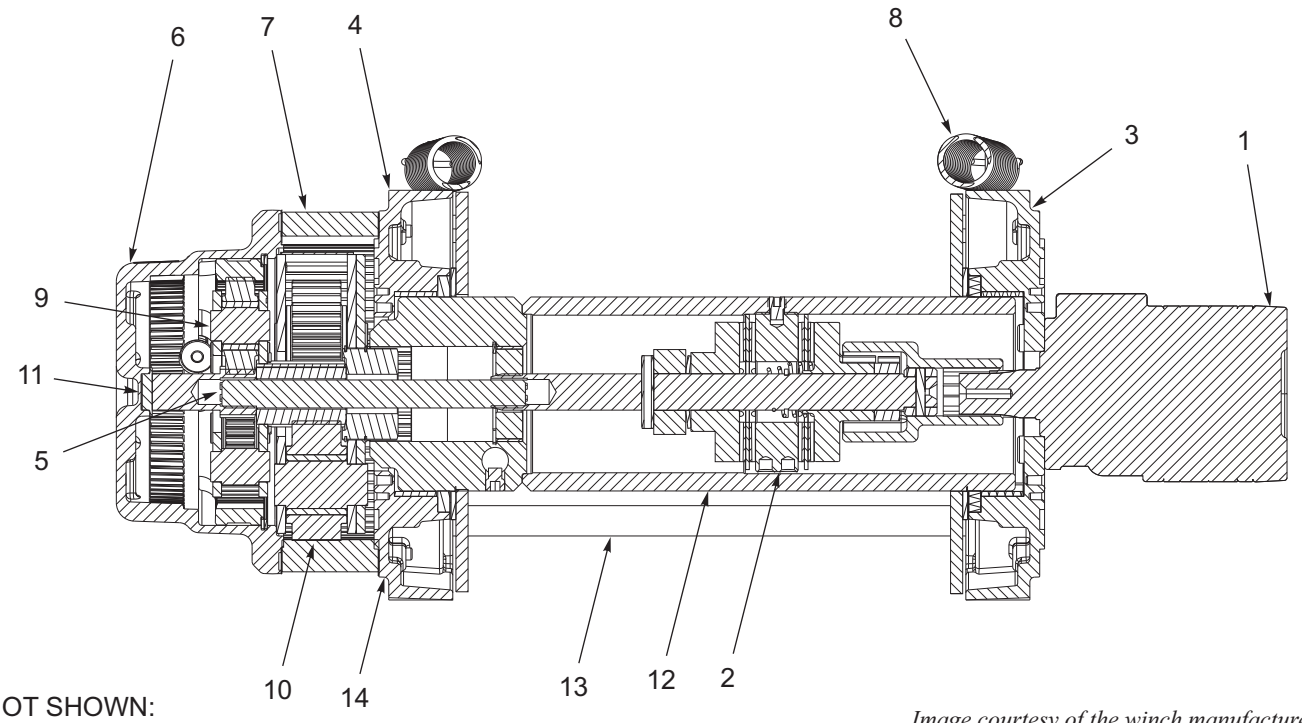
ITEM	PART NUMBER	DESCRIPTION	QTY.
	240526	WINCH 20K RAMSEY 2 SPEED	- -
1	247891	DRUM ASSEMBLY RAMSEY 20K	1
2	247892	TENSIONER ASSEMBLY RAMSEY 20K	1
3	247893	PISTON BRAKE RAMSEY 20K	1
4	247894	CLUTCH HERC 25K RAMSEY 20K	1
5	247895	COVER GEARBOX RAMSEY 20K	1
6	247871	DRAG PUCK DRUM FREE SPOOL	1
7	247896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



NOT SHOWN:
15 - Tension Kit
16 - Pin, Tension Plate
17 - Valve, Clutch Air Release

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

Figure 6-10: Winch Components, Warn 12K, 1 Speed, Spring Tension

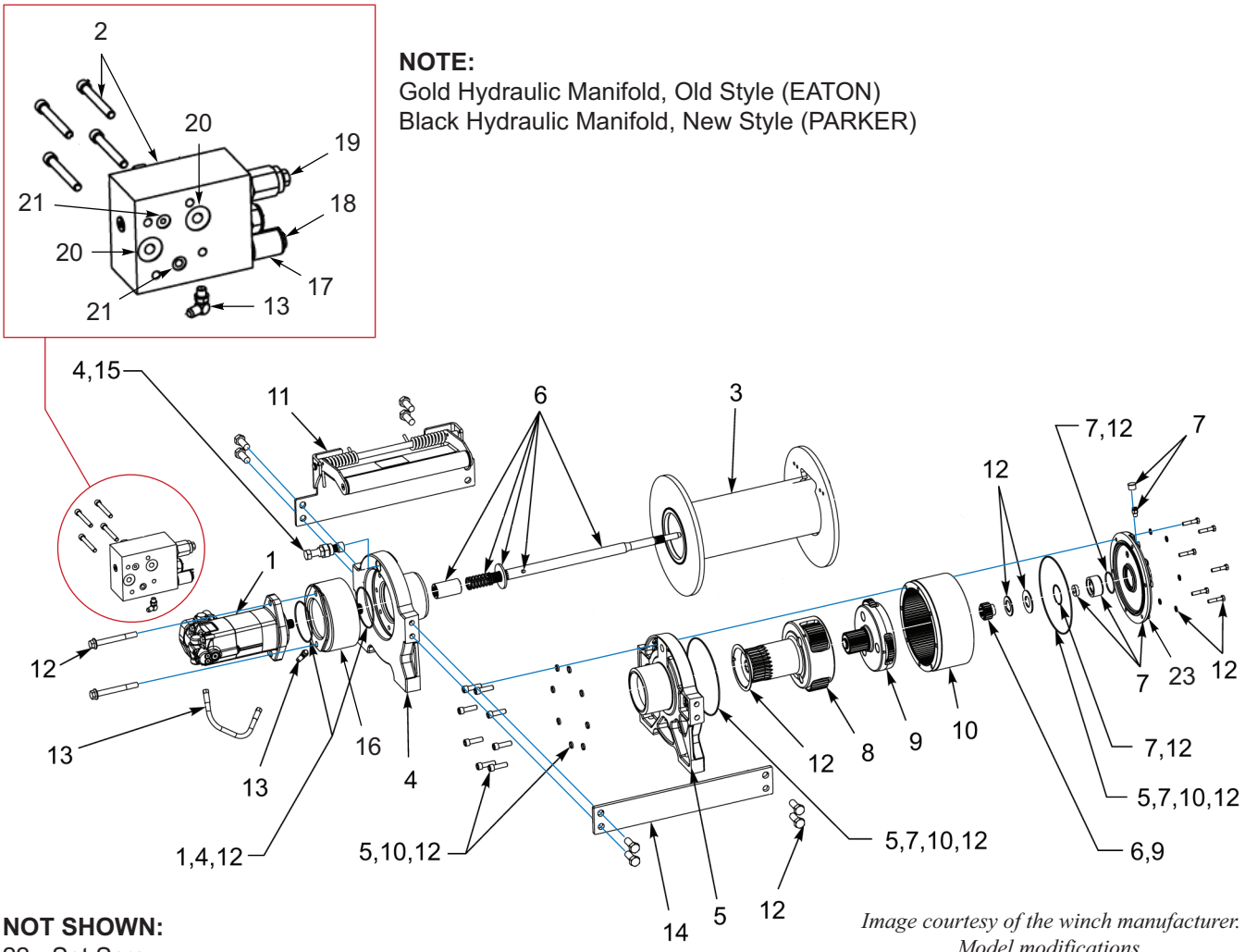
Winch Components, Warn 12K, 1 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	166421	WINCH, 12M WARN W/LW & RMTC	- -
1	218610	MOTOR WINCH WARN 12K **(194305)**	1
2	194306	BRAKE ASSEMBLY	1
3	194307	DRUM SUPPORT, MOTOR	1
4	194308	DRUM SUPPORT, GEAR END	1
5	194309	DRIVE SHAFT, HEX	1
6	194310	END HSG ASSY AIR	1
7	194117	GEAR RING	1
8	194118	SPRING EXTENSION, TENSIONER	2
9	194119	CARRIER, STAGE 2 M12000	1
10	194120	CARRIER, STAGE 3 4340	1
11	194121	GEAR, 15T	1
12	194122	DRUM ASSEMBLY	1
13	194123	TIE ROD	3
14	194124	GASKET, RING GEAR	2
15	213120	TENSION KIT WINCH 12M WARN **(NOT SHOWN)**	1
16	214437	PIN WINCH TENSIONER PLATE **(NOT SHOWN)**	1
17	223922	VALVE AIR RELEASE CLUTCH **(NOT SHOWN)**	1

Table provided for general use.

NOTES:

Winch Components, Warn 20K, 2 Speed, Spring Tension



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 6-11: Winch Components, Warn 20K, 2 Speed, Spring Tension

Winch Components, Warn 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	167521	WINCH 20K WARN 2 SPEED	- -
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

Retrieval System Accessories (Options)

Chain Assembly, Container Loading, Front

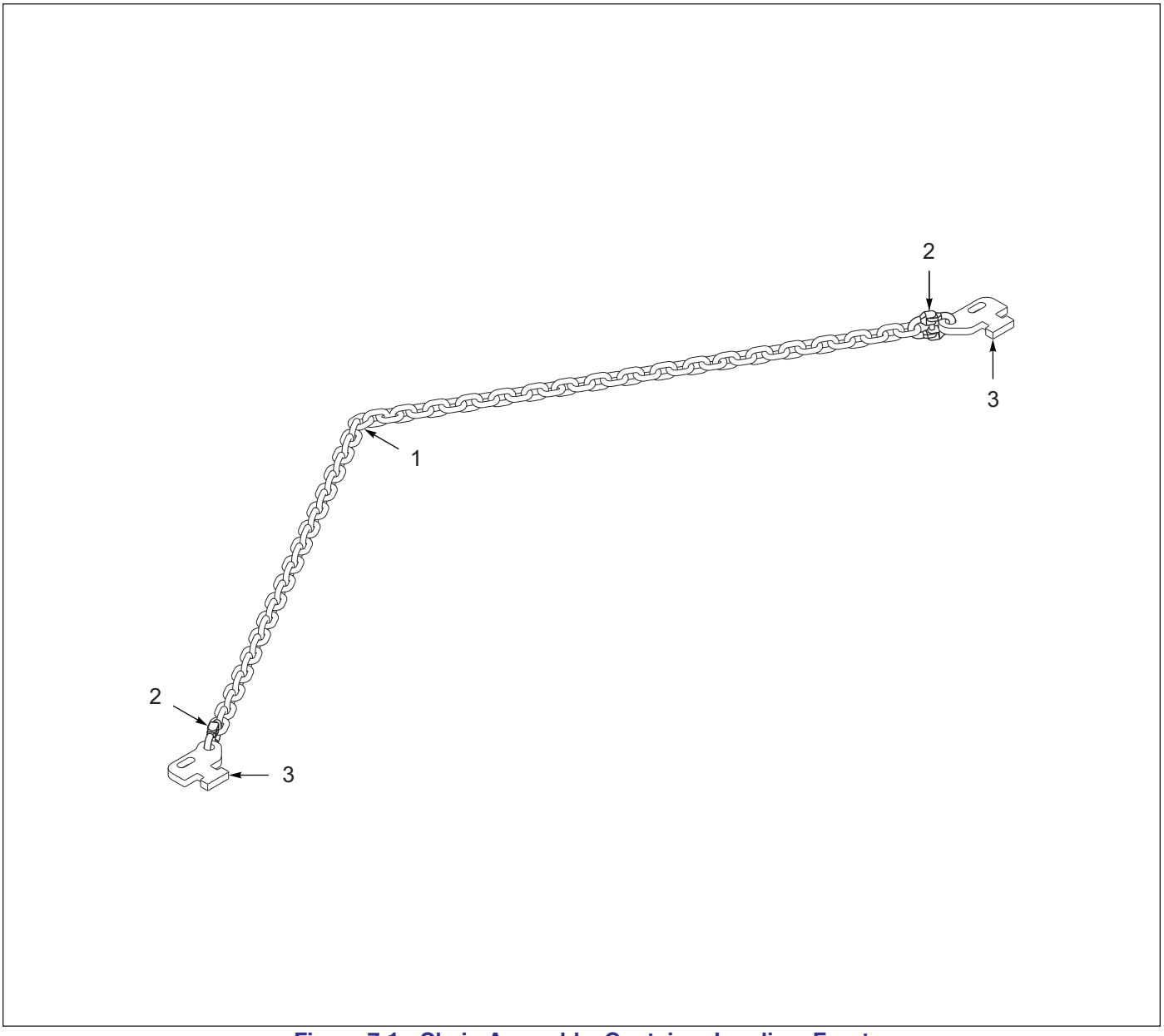


Figure 7-1: Chain Assembly, Container Loading, Front

Chain Assembly, Container Loading, Front

ITEM	PART NUMBER	DESCRIPTION	QTY.
	135316	CHAIN ASSEMBLY, CONTAINER LOAD **(INCLUDES ITEMS I-3)** **(STANDARD FOR CHAIN DRIVE)**	1
1	159686	CHAIN 1/2X87" GRD 7 52 LINKS	1
2	3-174-010038	CHAIN LINK, CONNECTING 1/2	2
3	128480	PLATE, CONTAINER CONNECT	2

Chain Assembly, Container Loading, Front, Chain / Bridle

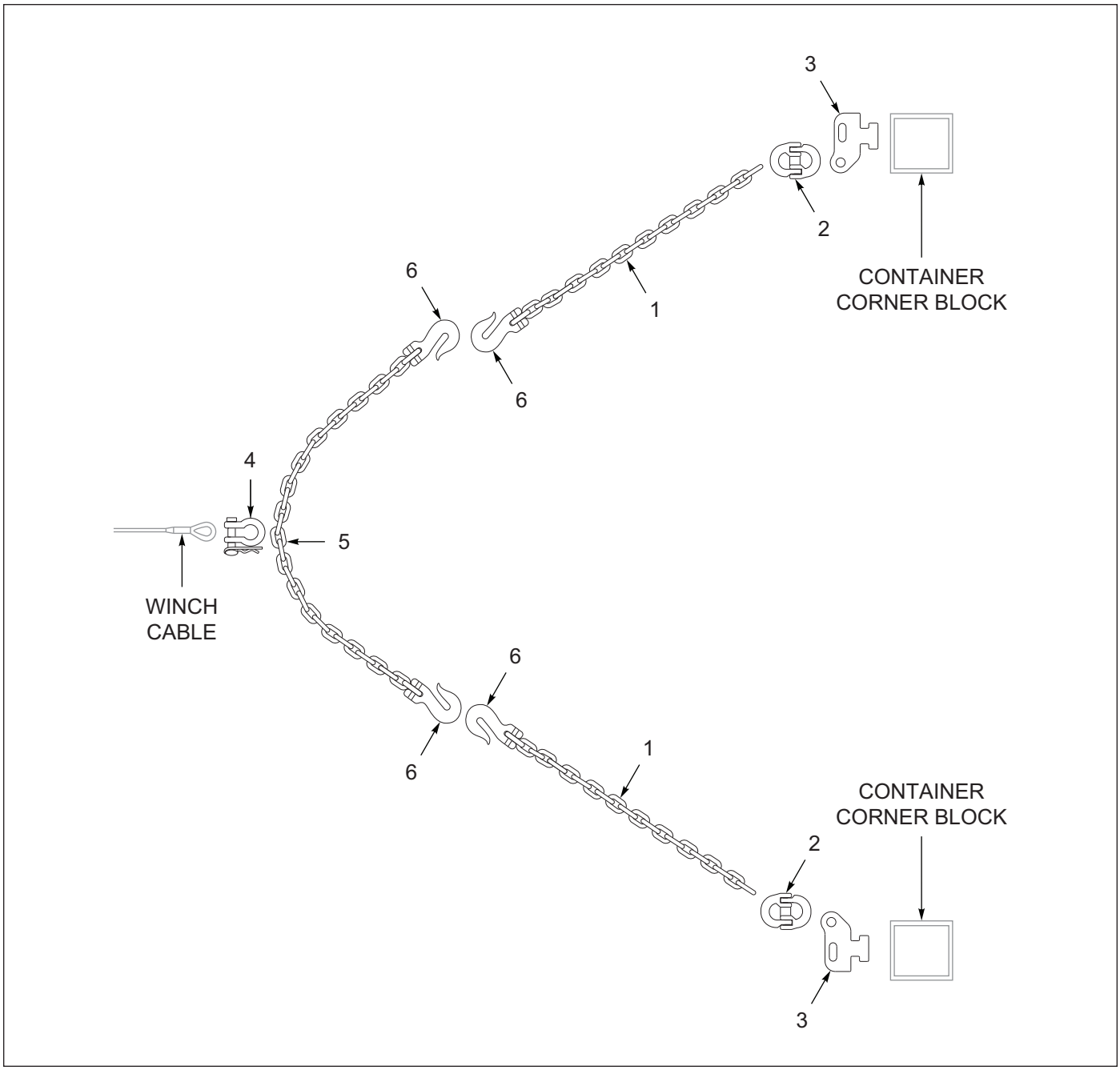


Figure 7-2: Chain Assembly, Container Loading, Front, Chain / Bridle

Chain Assembly, Container Loading, Front, Chain / Bridle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	143267	CONTAINER CHAIN/BRIDLE ASSY **(INCLUDES ITEMS 1-6)**	1
1	126888	CHAIN 1/2 X 36 SPECTRUM 8 ZP	2
2	126889	CHAIN CONNECTING LINK 1/2 GR8	2
3	128480	PLATE, CONTAINER CONNECT, 340	2
4	137024	SHACKLE 1IN SCREW PIN ANCHOR	1
5	143268	CHAIN 1/2 X 53 GRD80 ZP	1
6	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	4

Chain Assembly, Container Loading, Rear

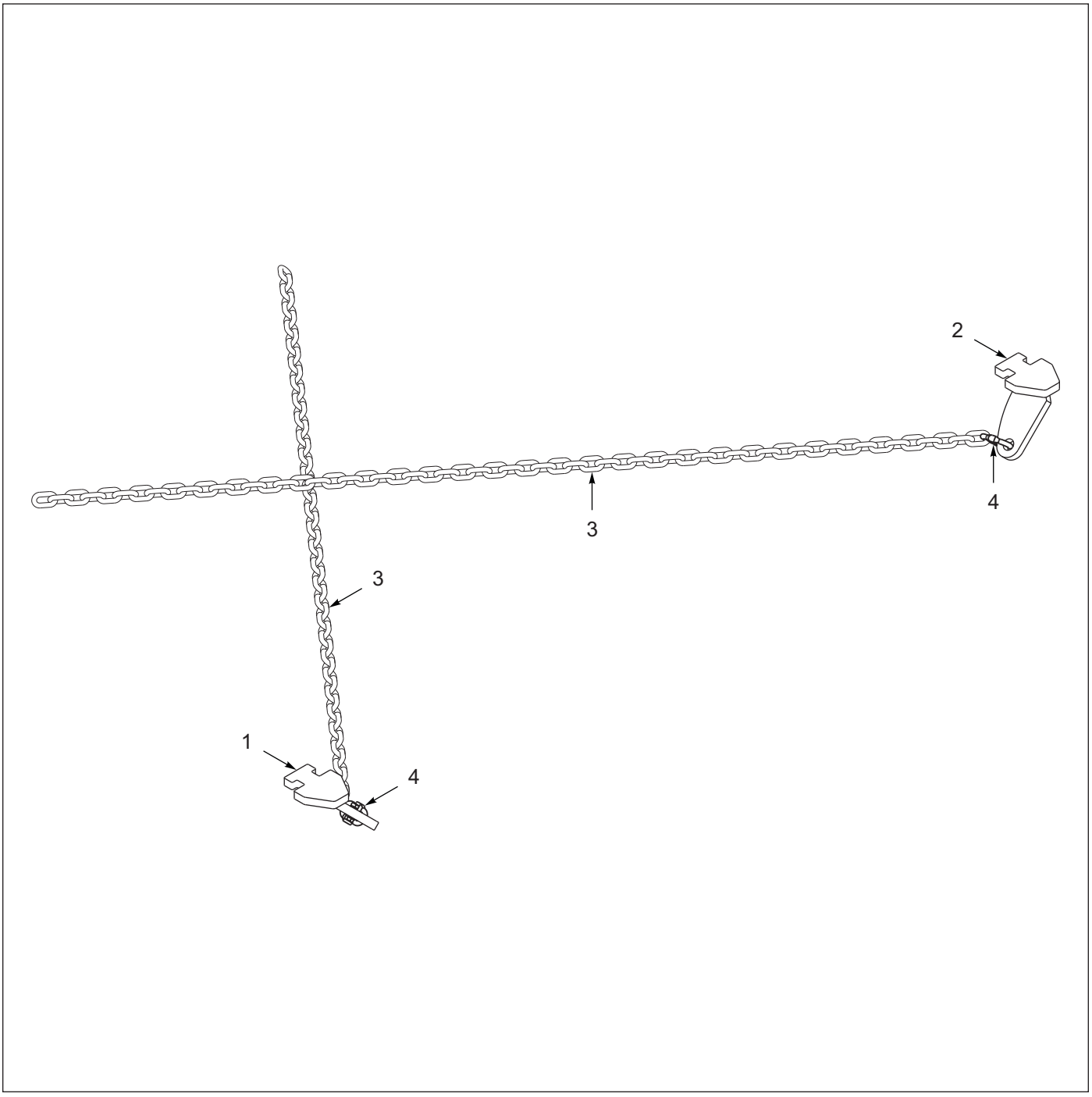


Figure 7-3: Chain Assembly, Container Loading, Rear

Chain Assembly, Container Loading, Rear

ITEM	PART NUMBER	DESCRIPTION	QTY.
	169394	REAR CONT LOADING ASSIST 8FT **(INCLUDES ITEMS 1-4)**	1
1	128973	CONNECTOR,CNTNR REAR PULL,LH	1
2	128974	CONNECTOR,CNTNR REAR PULL,RH	1
3	252242	CHAIN 3/8 X 8FT GR70	2
4	3-174-010042	CHAIN LINK CONNECTING 3/8	2

Chain Assembly, Single Hook

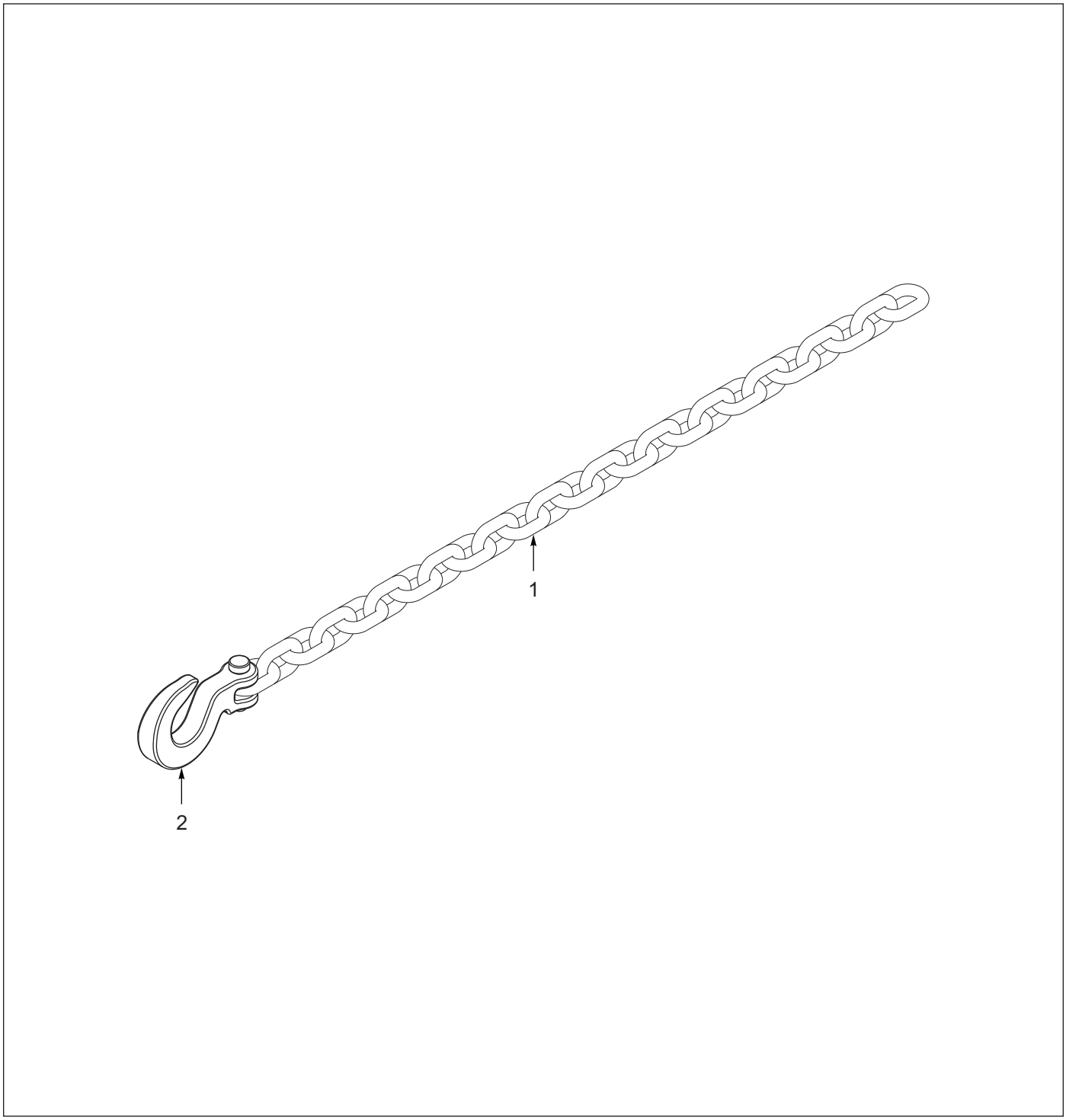


Figure 7-4: Chain Assembly, Single Hook

Chain Assembly, Single Hook

ITEM	PART NUMBER	DESCRIPTION	QTY.
	129938	CHAIN AND HOOK ASSY **(INCLUDES ITEMS 1-2)**	1
1	159687	CHAIN 1/2X 42 GRD7 25 LINKS	1
2	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1

Container Pusher

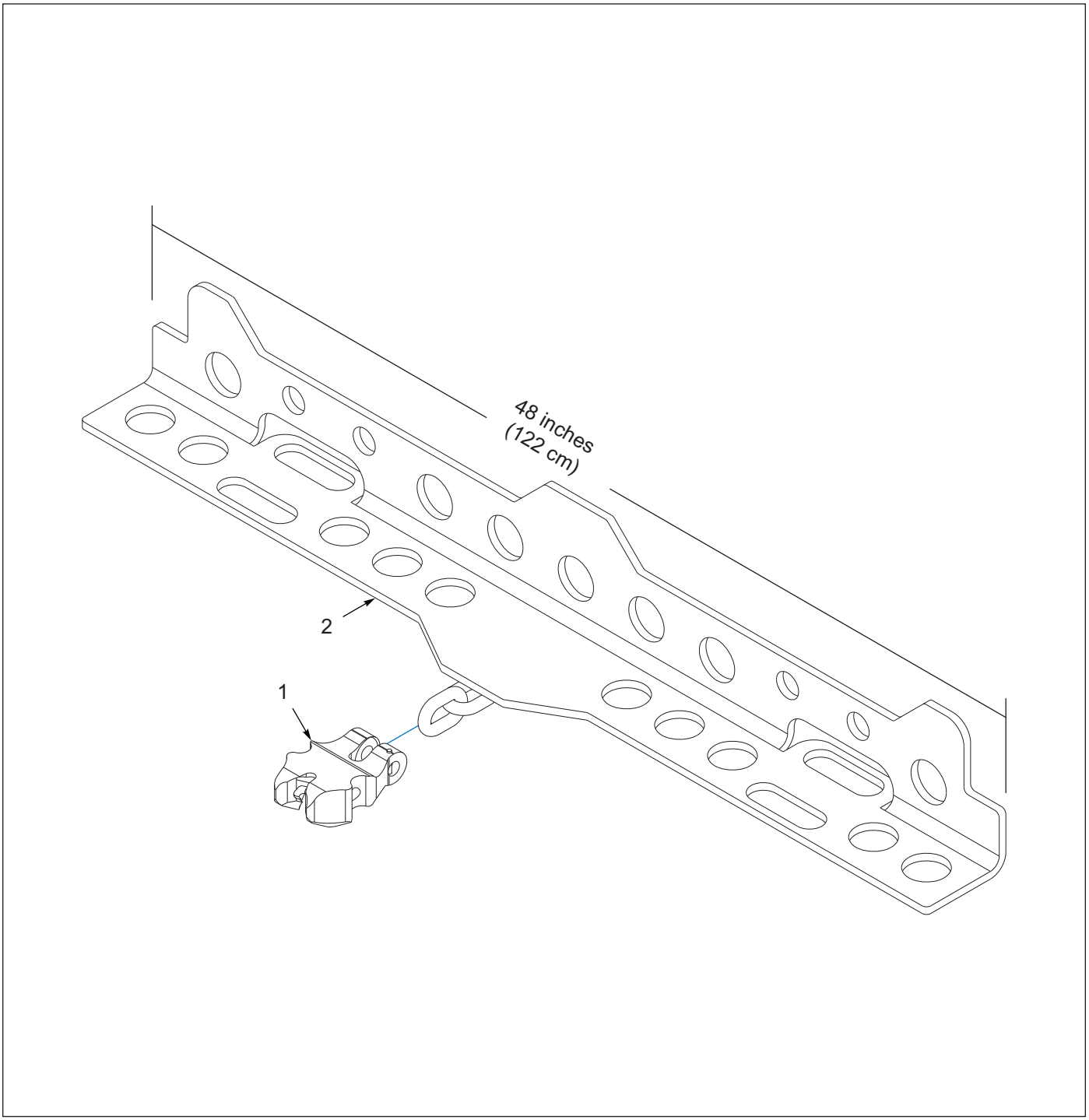


Figure 7-5: Container Pusher

Container Pusher

ITEM	PART NUMBER	DESCRIPTION	QTY.
	171210	PUSHER, CONTAINER ASSY **(INCLUDES ITEMS 1-2)**	1
1	128500	CHAIN SHORTENER LINK 1/2	1
2	171211	PUSHER, CONTAINER UNLOAD WLDMT **(INCLUDES CHAIN LINKS)**	1

Container Side Guide, 40 Inch, Bolt On

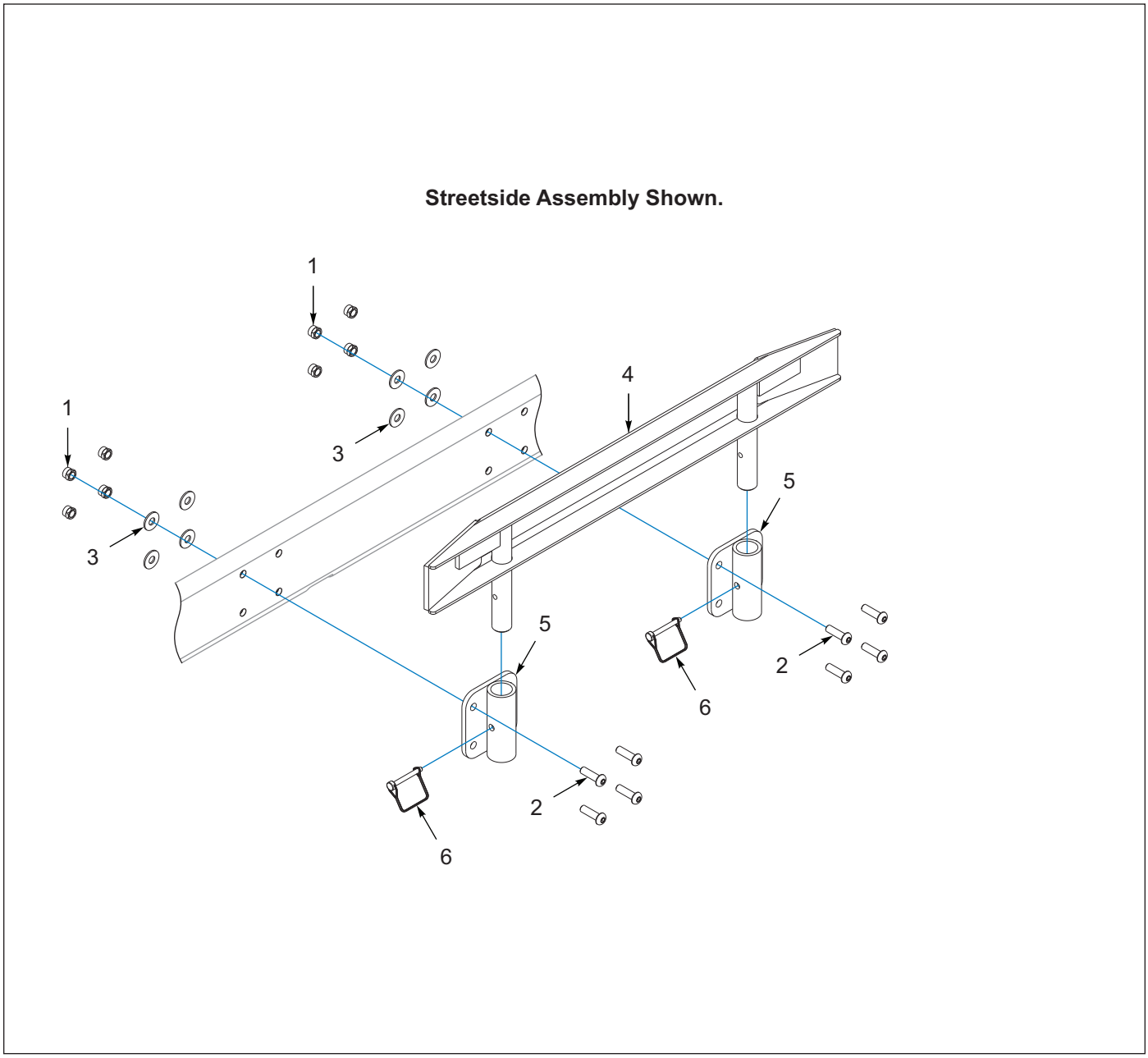


Figure 7-6: Container Side Guide, 40 Inch, Bolt On

Container Side Guide, 40 Inch, Bolt On

ITEM	PART NUMBER	DESCRIPTION	QTY.
	246950	BOLT-ON CONT SIDE GUIDES **(40 INCH, 101 CM)** **(FI KIT INCLUDES ITEMS 1-6, CALL FOR ASSISTANCE)**	1
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	16
2	1-654-010089-15	SCREW,SKT BTN 1/2-13UNCX1-3/4	16
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	16
4	178666	GUIDE CONTAINER WLDMT **(40 INCH, 101 CM)**	2
5	178670	GUIDE ANCHOR WLDMT	4
6	516-22PTL	RETAINING PIN MUD FLAP	4

Container Side Guide, 88 Inch, Bolt On

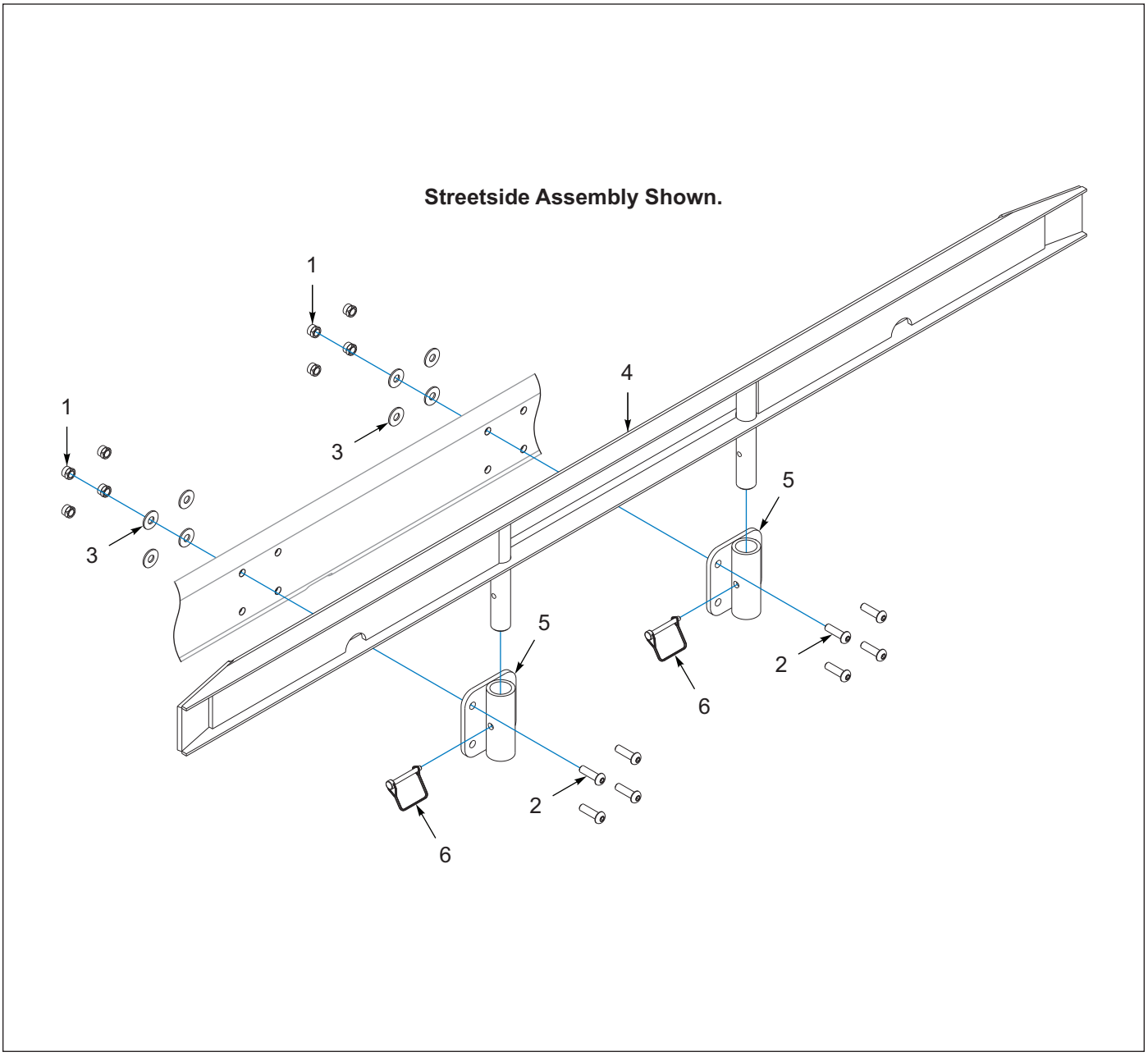


Figure 7-7: Container Side Guide, 88 Inch, Bolt On

Container Side Guide, 88 Inch, Bolt On

ITEM	PART NUMBER	DESCRIPTION	QTY.
	246951	BOLT-ON LONG CONT SIDE GUID **(88 INCH, 223 CM)** **(FI KIT INCLUDES ITEMS 1-6. CALL FOR ASSISTANCE)**	1
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	16
2	1-654-010089-15	SCREW,SKT BTN 1/2-13UNCX1-3/4	16
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	16
4	193302	GUIDE CONTAINER WLDMT XL **(88 INCH, 223 CM)**	2
5	178670	GUIDE ANCHOR WLDMT	4
6	516-22PTL	RETAINING PIN MUD FLAP	4

Container Stop, Front, Adjustable

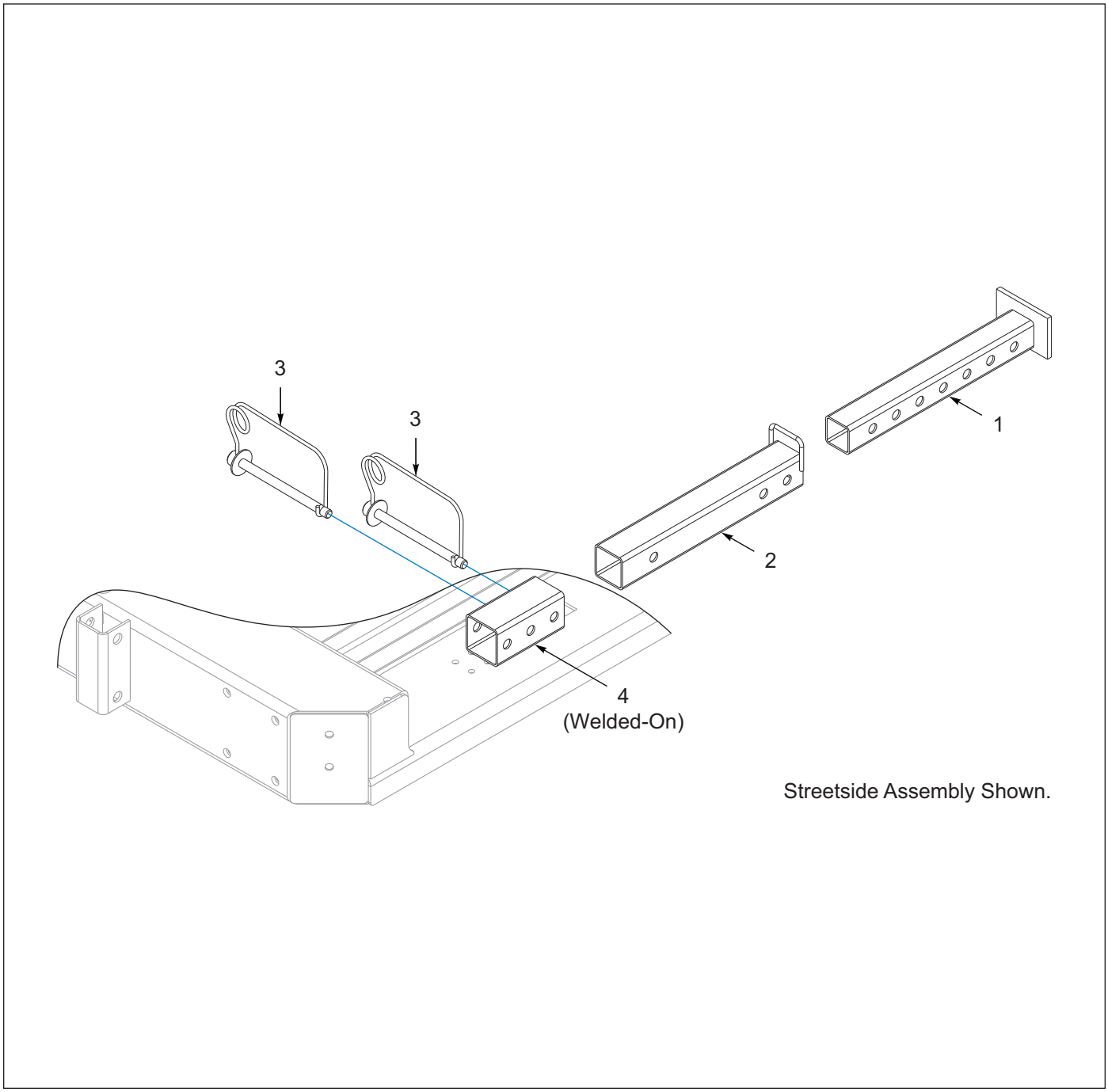


Figure 7-8: Container Stop, Front, Adjustable

Container Stop, Front, Adjustable

ITEM	PART NUMBER	DESCRIPTION	QTY.
	187965	STOP INSTL ADJUSTABLE 343-43'	- -
1	3-829-010327	TUBE WLDMT 3IN AKJ STOP 330 **(STOP ASSEMBLY)**	2
2	3-829-010329	TUBE WLDMT 3-1/2 ADJ STOP 330 **(EXTENSION ASSEMBLY)**	2
3	346SL	SNAP LOCK PIN 3/4" W/ WASHER	4
4	3-829-010330	TUBE 4IN ADJ STOP 330 **(MOUNTING BRACKET, WELD ON)**	2

Container Stop, Front, Bolt On

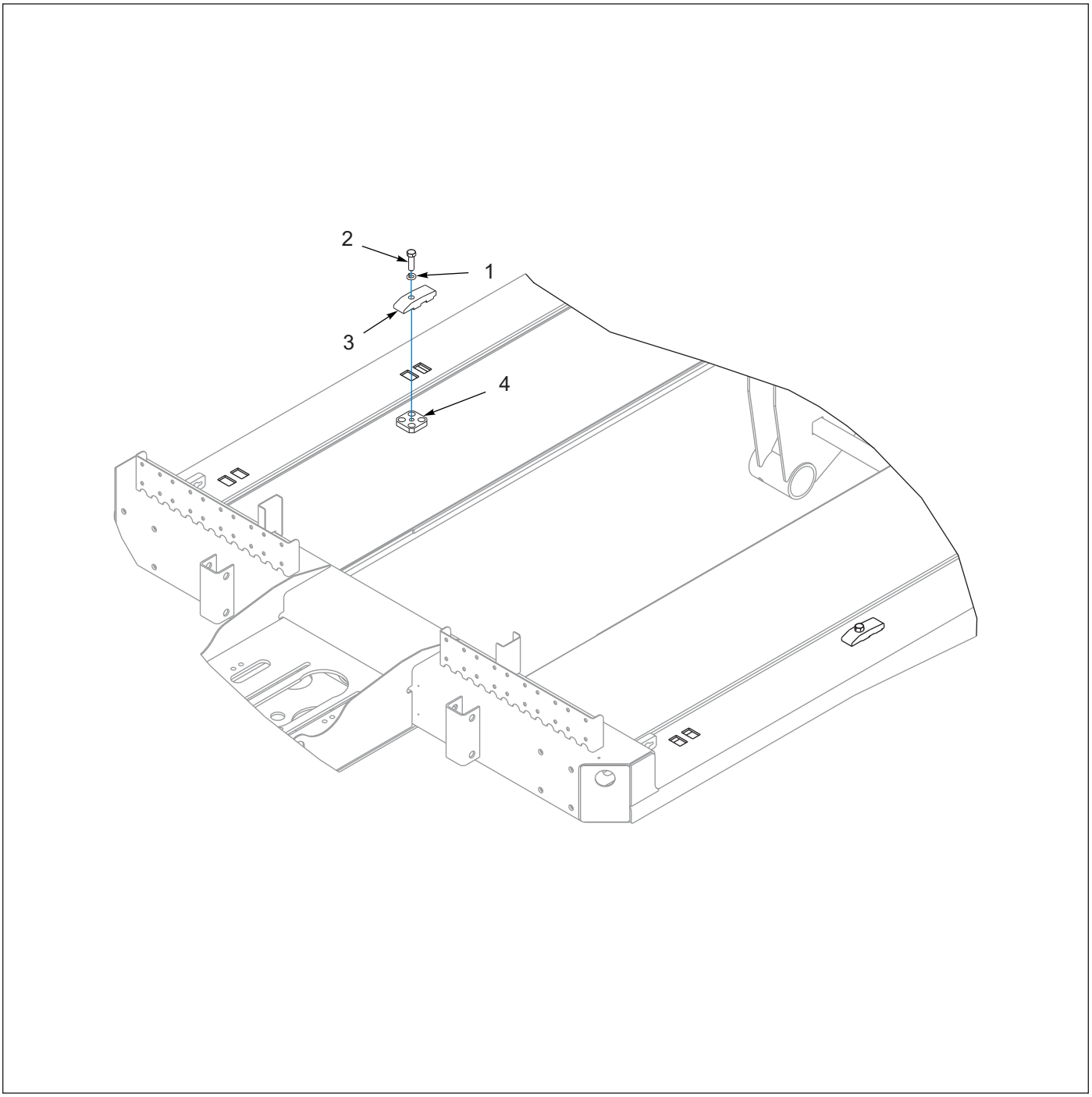


Figure 7-9: Container Stop, Front, Bolt On

Container Stop, Front, Bolt On

ITEM	PART NUMBER	DESCRIPTION	QTY.
	180265	FRONT STOP CONTAINER PAIR	- -
1	1-861-010034-17	WASHER,LKG,HLCL SPR,3/4	4
2	104483	SCREW 3/4-10X2-1/2 HXCP ZPGR8	2
3	180263	STOP FRONT CONTAINER 343	2
4	180264	PLATE BTM STOP CONTAINER 343	2

Container Stop, Front, Slide In

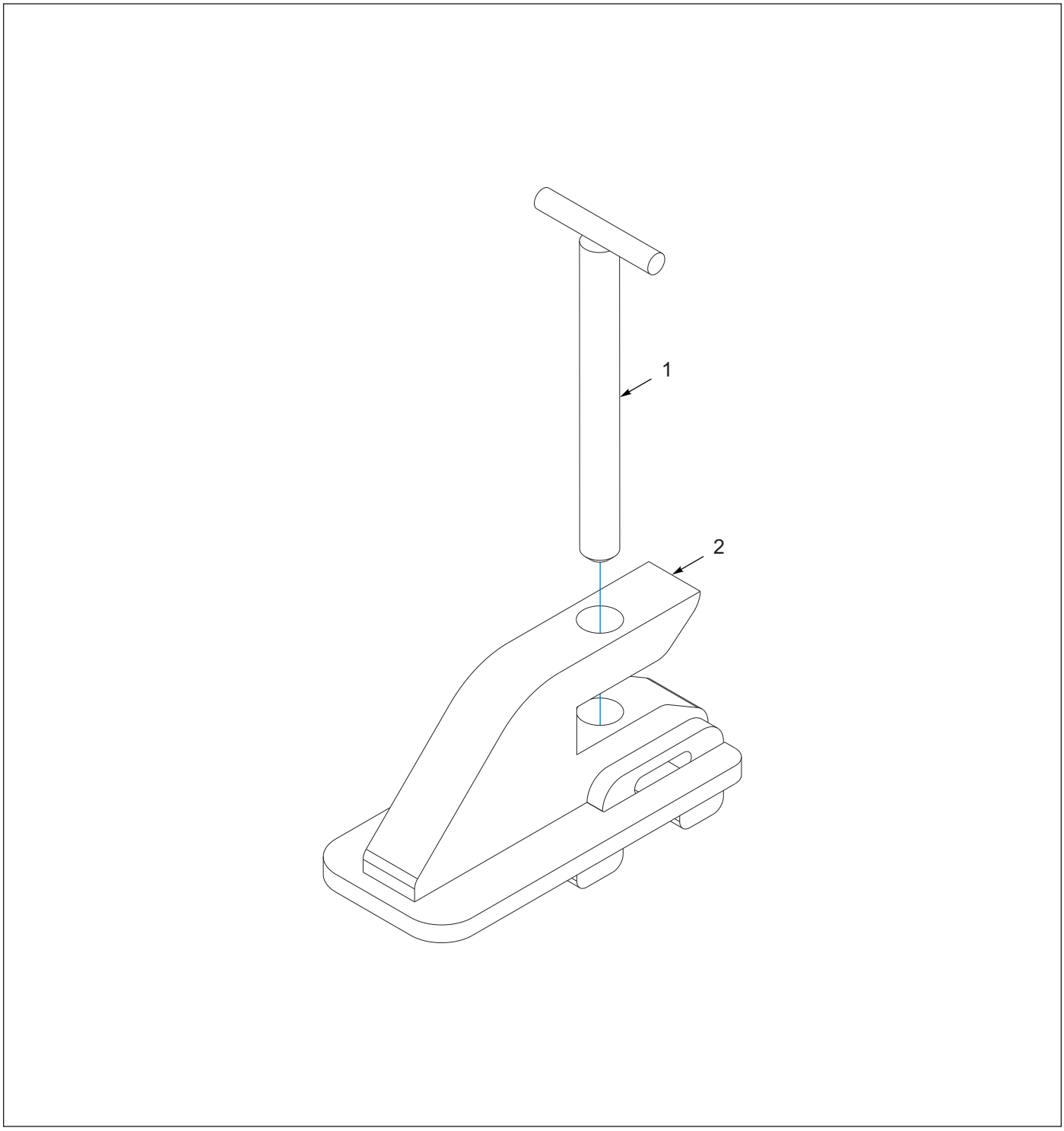


Figure 7-10: Container Stop, Front, Slide In

Container Stop, Front, Slide In

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	128484	PIN WLDMT, CONTAINER STOP 340	1
2	246996	WLDMT CNTNR FRONT STOP 343B	1

Container Stop, Rear, Slide In

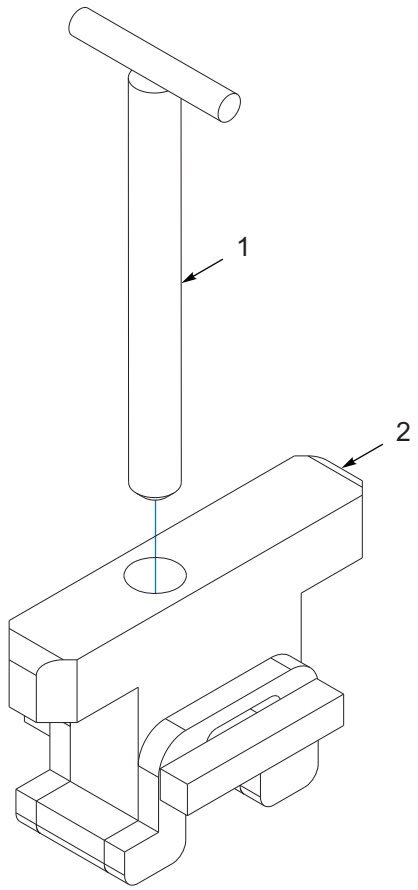


Figure 7-11: Container Stop, Rear, Slide In

Container Stop, Rear, Slide In

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	128484	PIN WLDMT, CONTAINER STOP 340	1
2	178679	CONTAINER STOP 343 REAR WLDMT	1

Container Stop & Hold Block, Stop / Lock Pins

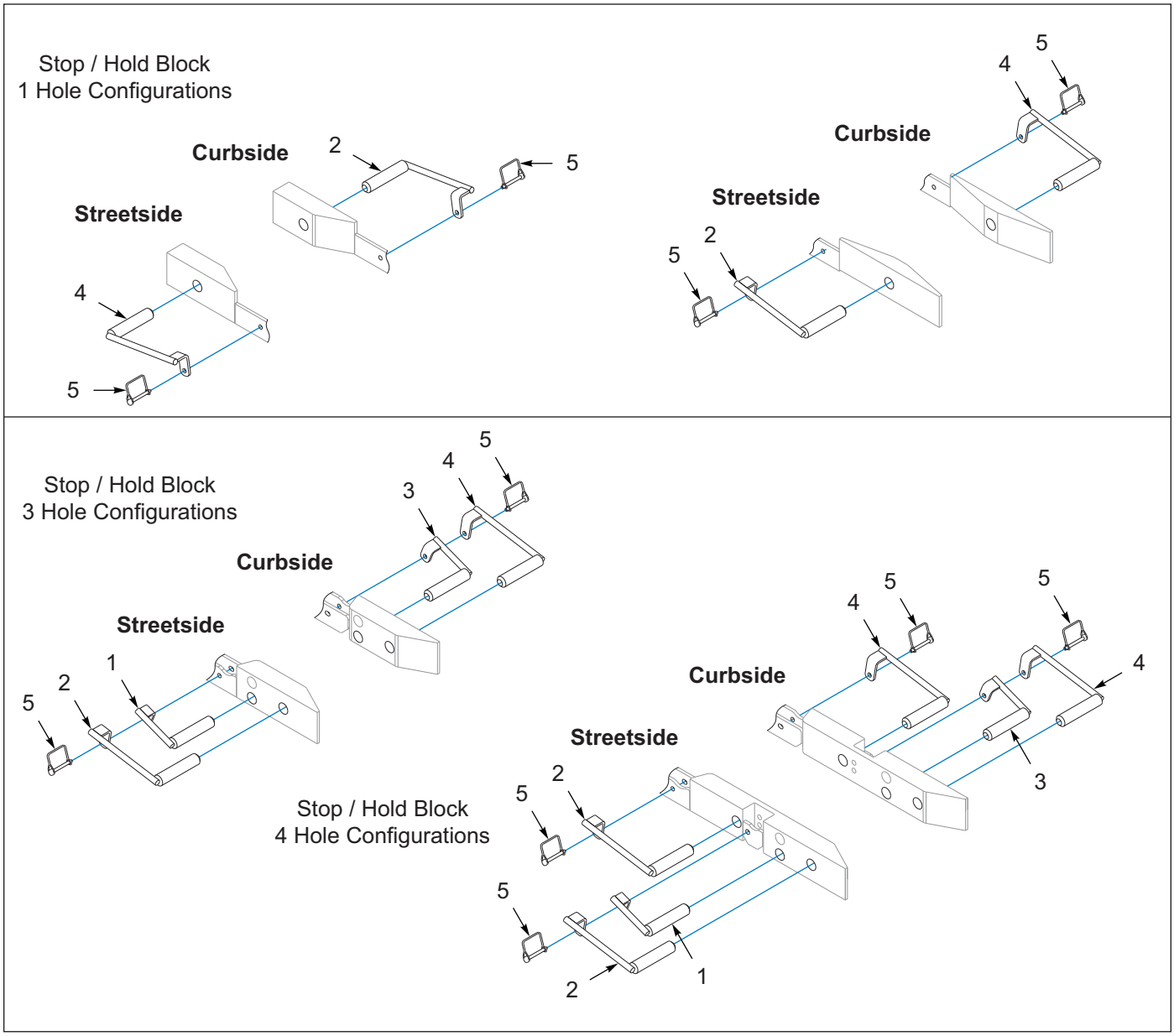


Figure 7-12: Container Stop & Lock Block, Stop / Lock Pins

Container Stop & Lock Block, Stop / Lock Pins

ITEM	PART NUMBER	DESCRIPTION	QTY.
	246969	FRONT CNTNR LK PIN ASSY 343B	- -
	248928	FRT/MID CNTNR LKS W/TB 343B-39	- -
	246994	CONTAINER STPS/LKS 20/40/45	- -
	252240	CONTAINER LOCK ASSY W/TBD 46'	- -
	252241	CNTNR STPS/LKS 20/40 46' GALV	- -
1	170394	PIN, WLDMT HOLD-DOWN LF **(STOP PIN)**	1
2	170395	PIN, WLDMT HOLD-DOWN LR **(HOLD PIN)**	1
3	170396	PIN, WLDMT HOLD-DOWN RF **(STOP PIN)**	1
4	170397	PIN, WLDMT HOLD-DOWN RR **(HOLD PIN)**	1
5	516-22PTL	RETAINING PIN MUD FLAP	1

Container Stop & Hold Down, Shoe Lock Assembly

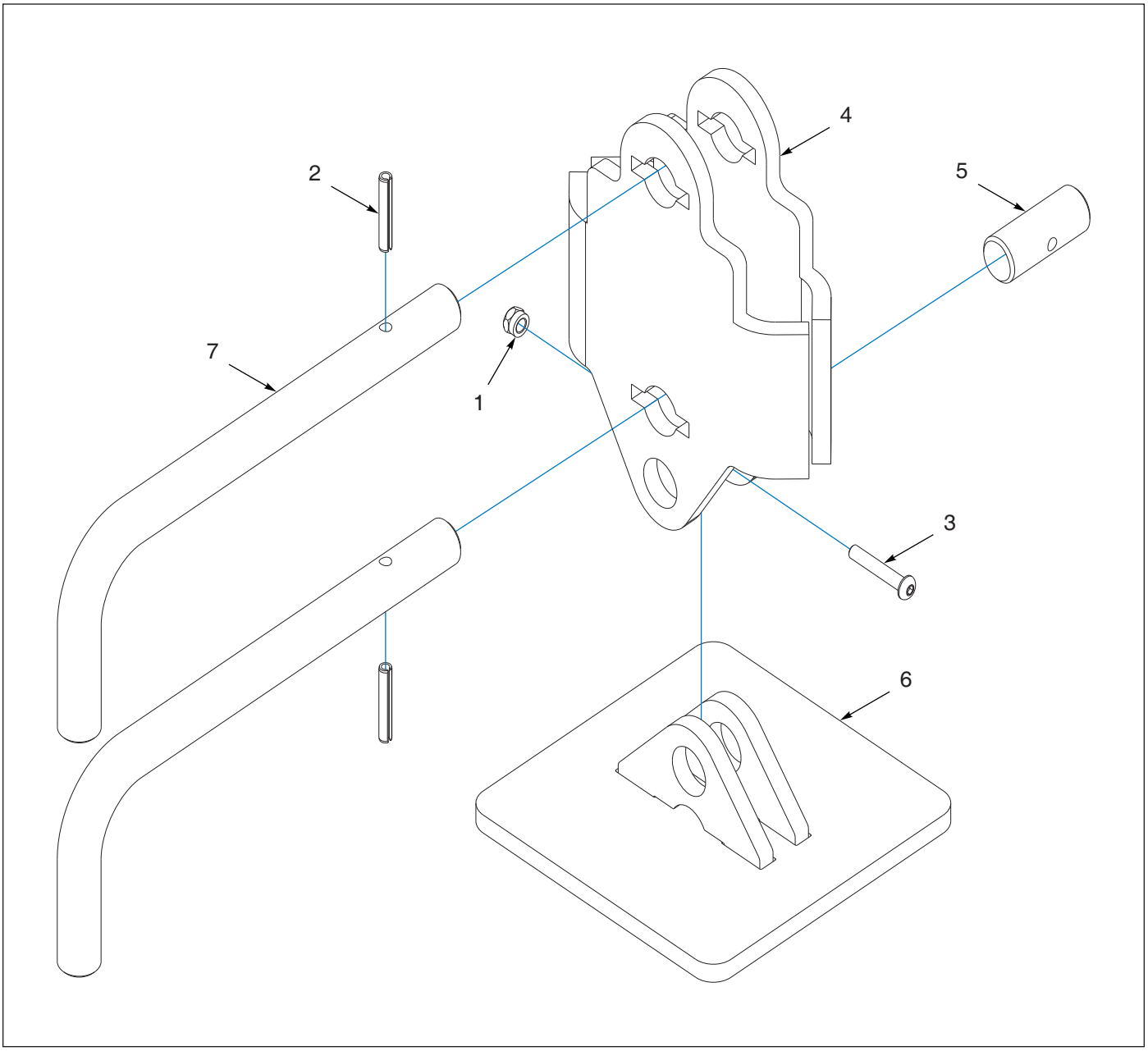


Figure 7-13: Container Stop & Hold Down, Shoe Lock Assembly

Container Stop & Hold Down, Shoe Lock Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128469	SHOE LOCK TIEDOWN ASSEMBLY **(INCLUDES ITEMS 1-7)**	1
1	1-512-010005-01	NUT, HEX LOCK 1/4-20	2
2	1-647-010004217	SPRING PIN, SLOTTED 1/4 X 1-1/2	4
3	108220	SCREW, BUTTON HEAD CAP 1/4-20 X 1-1/2	2
4	126111	FOOT WELDMENT, CONTAINER OFFLOAD	2
5	126114	PIN, BOTTOM OFFLOAD FOOT	2
6	126117	BASE WELDMENT, OFFLOAD FOOT	2
7	127843	PIN, TOP OFFLOAD FOOT	4

Hook Assembly, Chain Connect

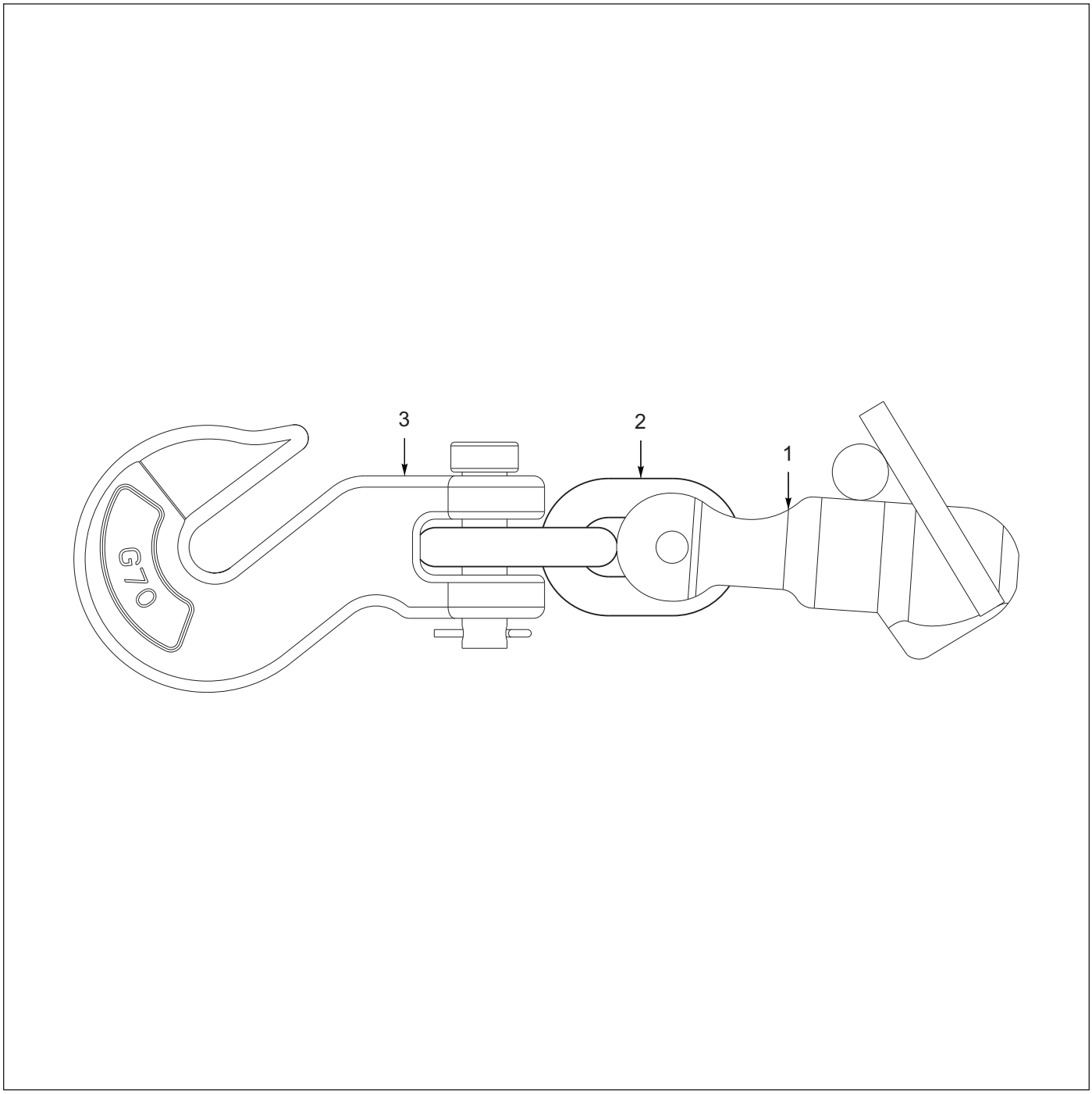


Figure 7-14: Hook Assembly, Chain Connect

Hook Assembly, Chain Connect

ITEM	PART NUMBER	DESCRIPTION	QTY.
	129209	CHAIN CONNECT/CONTAINER ASSY **(INCLUDES ITEMS 1-3) (STANDARD FOR CHAIN DRIVE)**	1
1	200430	CHAIN SHORTENER MOD WLDMT	1
2	3-174-010039	CHAIN 1/2" GRD 7 **(BY THE INCH) (2 LINKS EQUALS 4 INCHES)**	4
3	7HCGHT500	HOOK CLEVIS GRAB 1/2 GR70	1

Tie Down, Chain

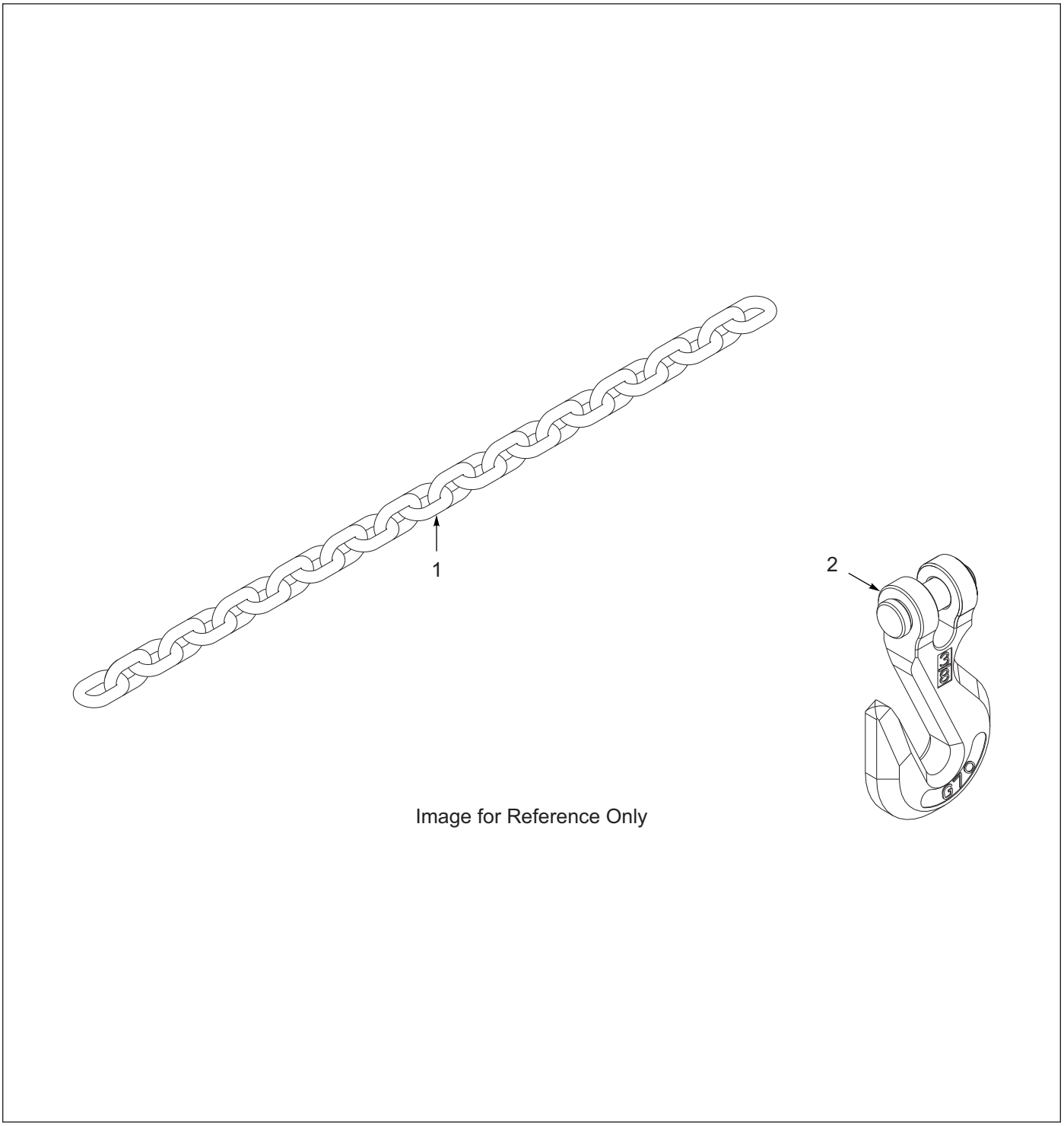


Figure 7-15: Tie Down, Chain

Tie Down, Chain

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	192047	CHAIN 3/8 X 16FT GR7 **(CHAIN ONLY)**	1
1	192048	CHAIN 3/8 X 24FT GR7 **(CHAIN ONLY)**	1
2	228884	HOOK CLEVIS GRAB 3/8 GR70 **(SOLD SEPERATLY)**	1

Tie Down, Load Binder, 3/8 Ratchet

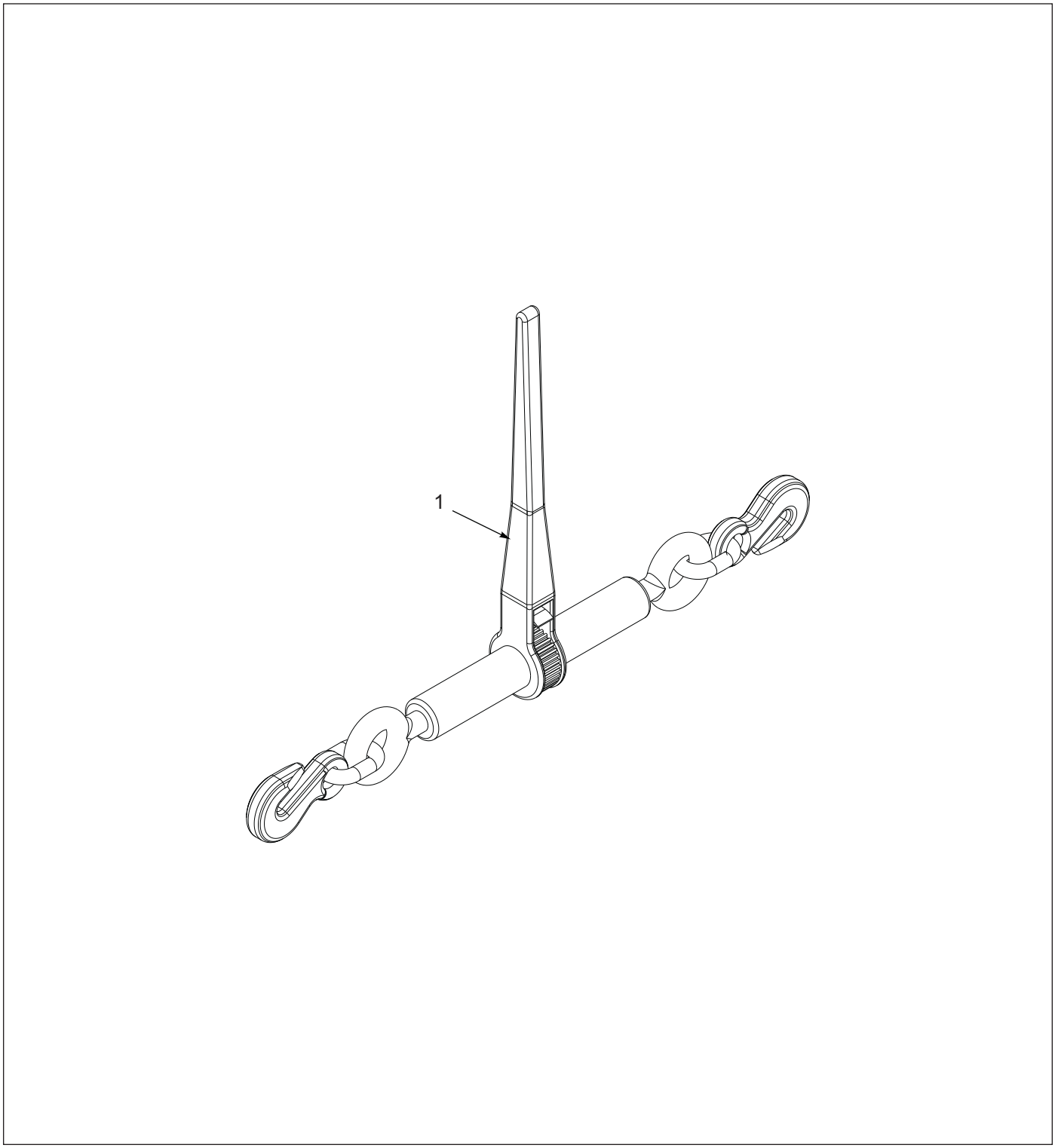


Figure 7-16: Tie Down, Load Binder, 3/8 Ratchet

Tie Down, Load Binder, 3/8 Ratchet

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	130093	LOAD BINDER 3/8 RATCHET STYLE	1

Tie Down, Strap Ratchet, 3-Bar, Strap Pocket / J-Hook, Bolt On

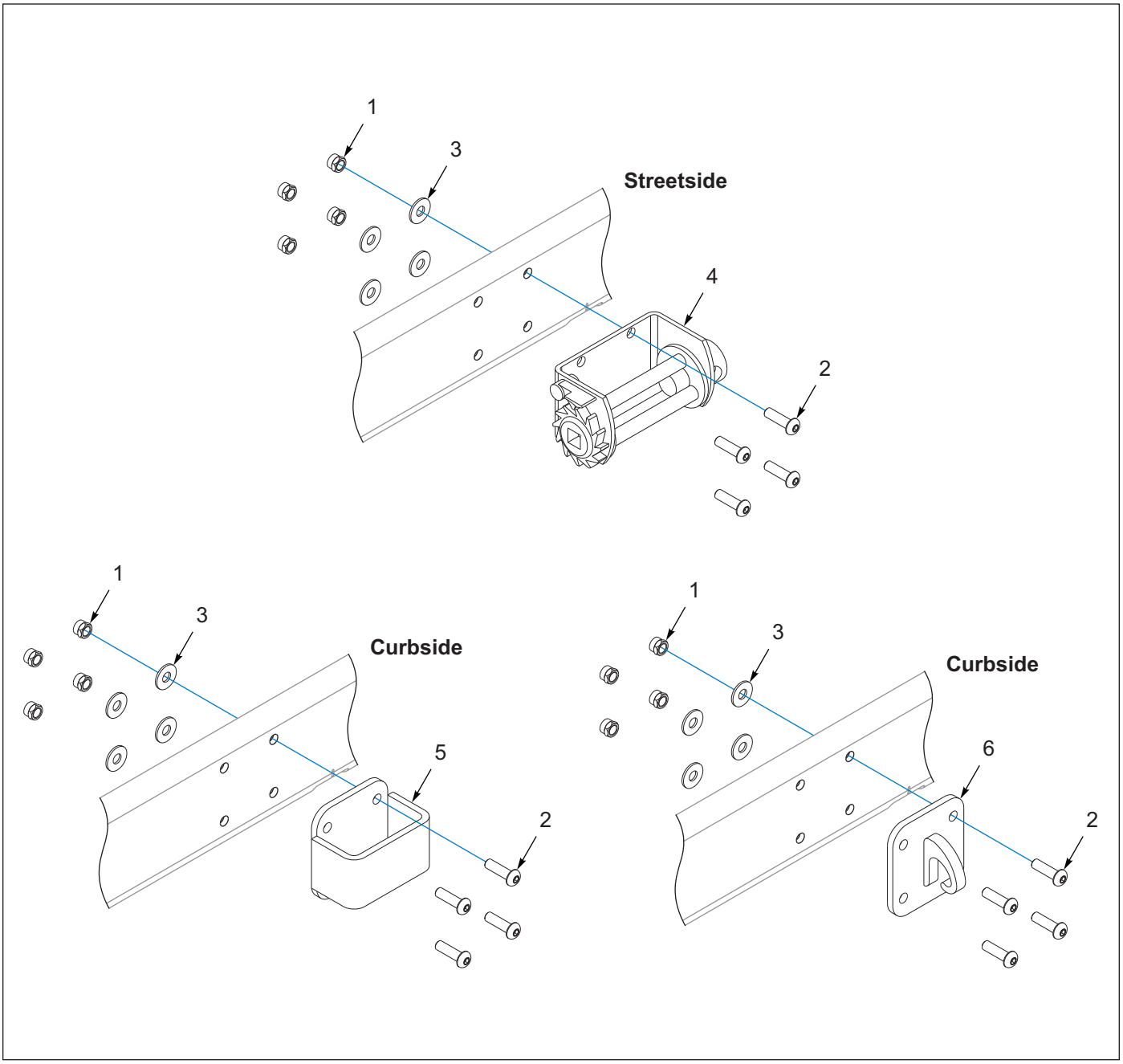


Figure 7-17: Tie Down, Strap Ratchet, 3-Bar, Strap Pocket / J-Hook, Bolt On

Tie Down, Strap Ratchet, 3-Bar, Strap Pocket / J-Hook, Bolt On

ITEM	PART NUMBER	DESCRIPTION	QTY.
	218332	3-BR STRAP RAT & HOOK ASSY 343 **(INCLUDES ITEMS 1-5)**	1
	218637	3-BR STRAP RAT & J-HK ASSY 343 **(INCLUDES ITEMS 1-4, 6)**	1
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
2	1-654-010089-15	SCREW,SKT BTN 1/2-13UNCX1-3/4	8
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	8
4	218331	3-BAR STRAP RATCHET BOLT-ON	1
5	183639	POCKET WLDMT STRAP HOOK BOLTON	1
6	218636	J-HOOK BOLT-ON WLDMT	1

Tie Down, Strap Ratchet, Lo-Pro, Strap Pocket / J-Hook, Bolt On

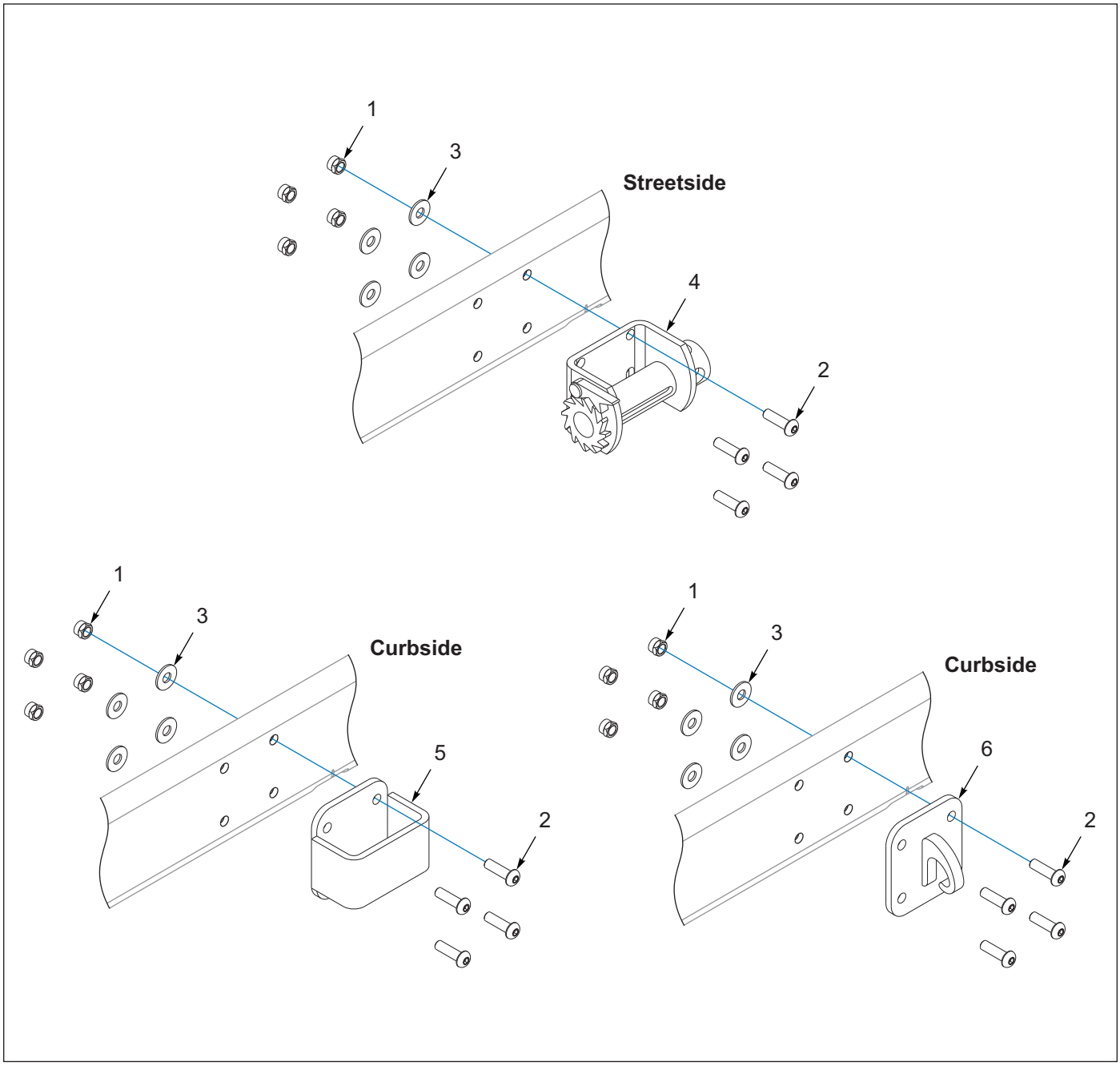


Figure 7-18: Tie Down, Strap Ratchet, Lo-Pro, Strap Pocket / J-Hook, Bolt On

Tie Down, Strap Ratchet, Lo-Pro, Strap Pocket / J-Hook, Bolt On

ITEM	PART NUMBER	DESCRIPTION	QTY.
	183637	STRAP RATCHET & HOOK ASSY 343 **(INCLUDES ITEMS 1-5)**	1
1	1-512-010005-09	NUT,HEX,SLFLKG, 1/2-13 GRB	8
2	1-654-010089-15	SCREW,SKT BTN 1/2-13UNCX1-3/4	8
3	1-861-010032-15	WASHER, FLAT 1/2 W ZP/CD	8
4	183638	STRAP RATCHET BOLT-ON	1
5	183639	POCKET WLDMT STRAP HOOK BOLTON	1
6	218636	J-HOOK BOLT-ON WLDMT **(SOLD SEPARATELY)**	1

System, Air

Trailer, Service & Emergency

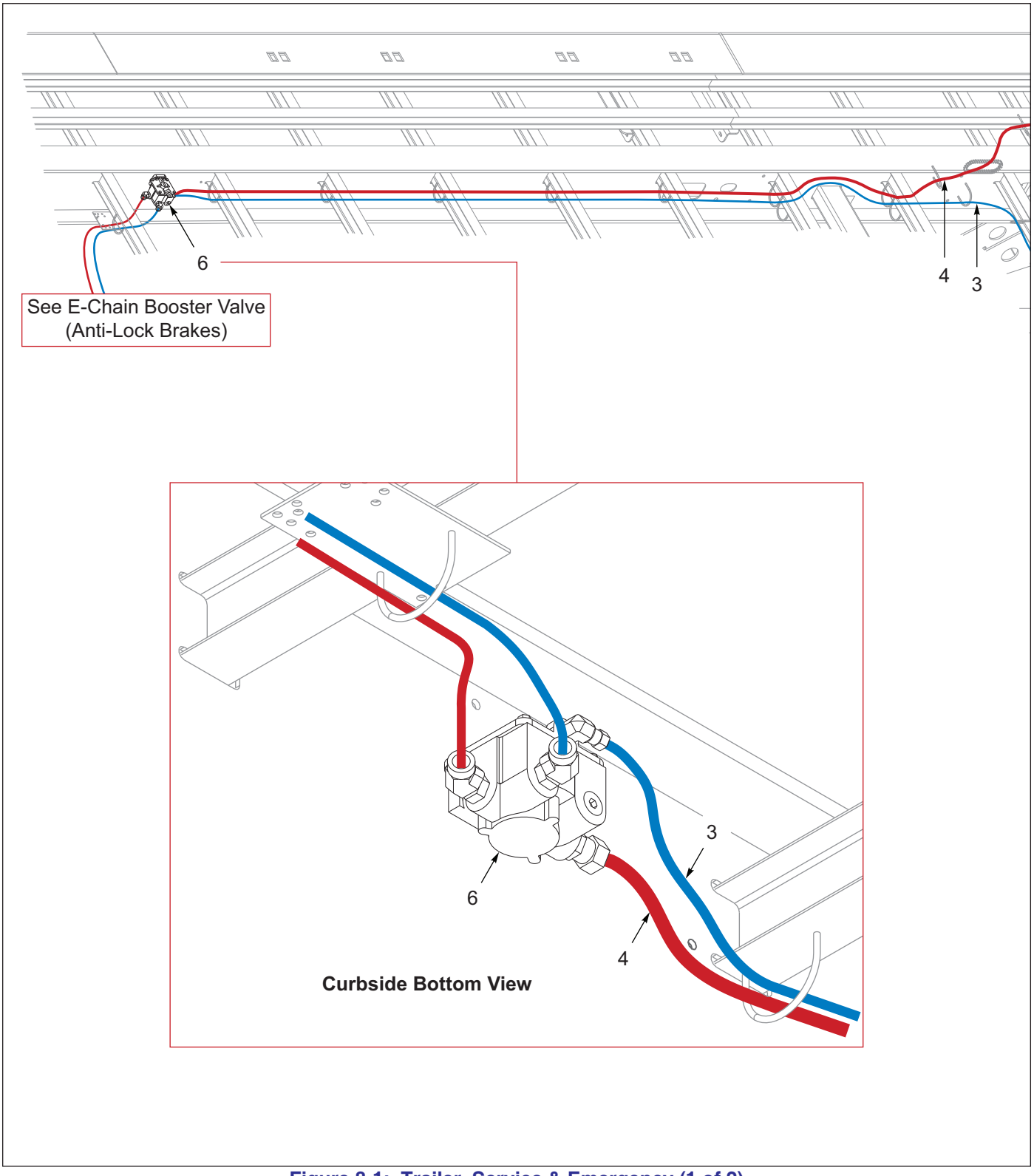


Figure 8-1: Trailer, Service & Emergency (1 of 2)

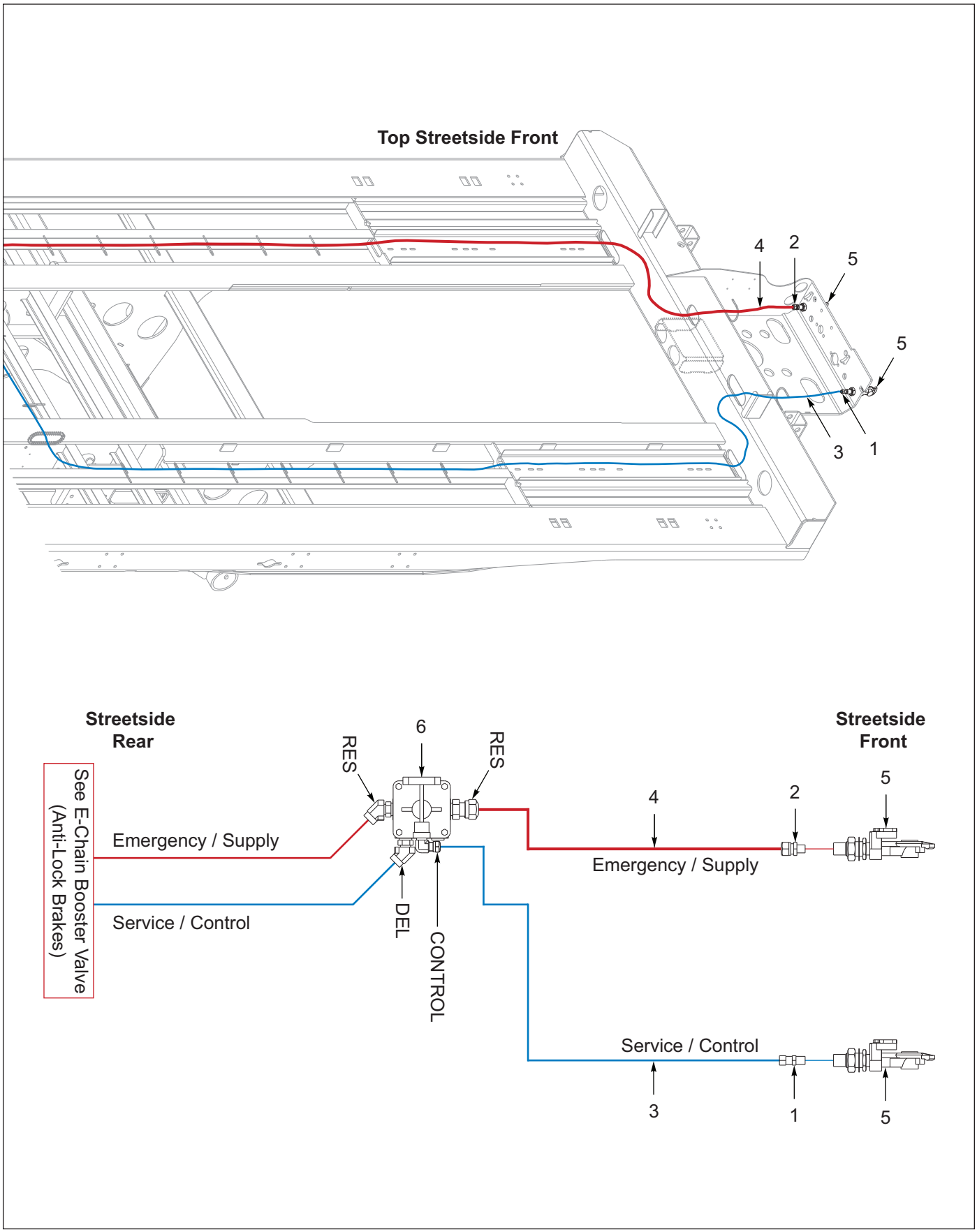


Figure 8-2: Trailer, Service & Emergency (2 of 2)

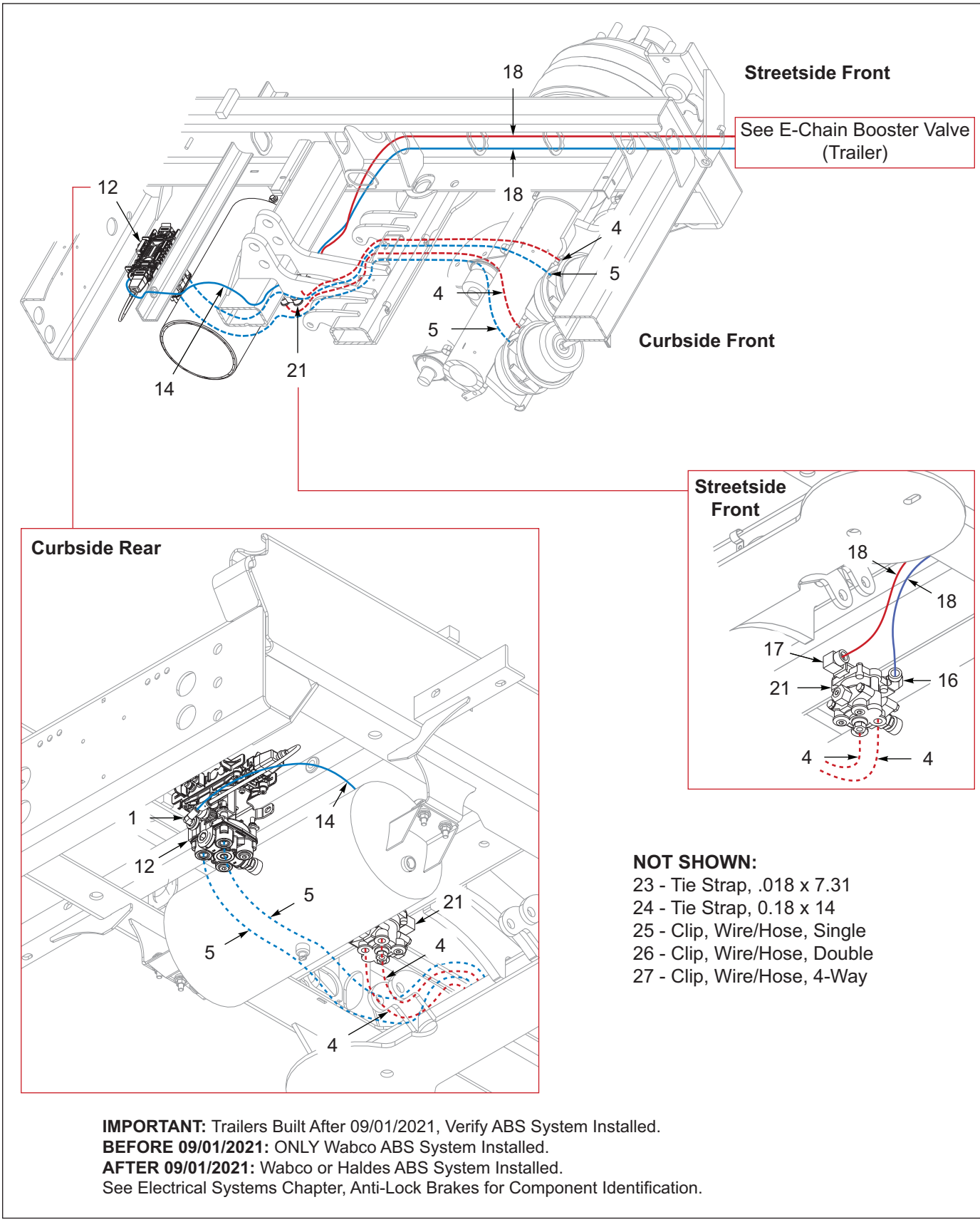
Trailer, Service & Emergency

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	1
2	1-297-010007-14	FITTING AIR 1/2TUBE X 1/4NPT	1
3	184442	TUBING 3/8 BLUE **(BY THE FOOT)** **(39 FT REQ 32 FT) (43 FT REQ 36 FT)**	- -
4	236560	TUBING AIR 1/2 RED **(BY THE FOOT)** **(39 FT REQ 32 FT) (43 FT REQ 36 FT)**	- -
5	238642	COUPLERS ISO FRONT SUB ASSY **(COMPONENTS - SEE PAGE 11-15)**	1
6	247000	VALVE ASSY AIR BOOSTER 343B **(INSTALLATION - SEE PAGE 2-1)** **(COMPONENTS - SEE PAGE 8-29)**	1

Table provided for general use.

NOTES:

Anti-Lock Brakes, 1 Axle, Wabco



NOT SHOWN:
23 - Tie Strap, .018 x 7.31
24 - Tie Strap, 0.18 x 14
25 - Clip, Wire/Hose, Single
26 - Clip, Wire/Hose, Double
27 - Clip, Wire/Hose, 4-Way

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 Haldes ABS System Installed.
See Electrical Systems Chapter, Anti-Lock Brakes for Component Identification.

Figure 8-3: Anti-Lock Brakes, 1 Axle, Wabco (1 of 2)

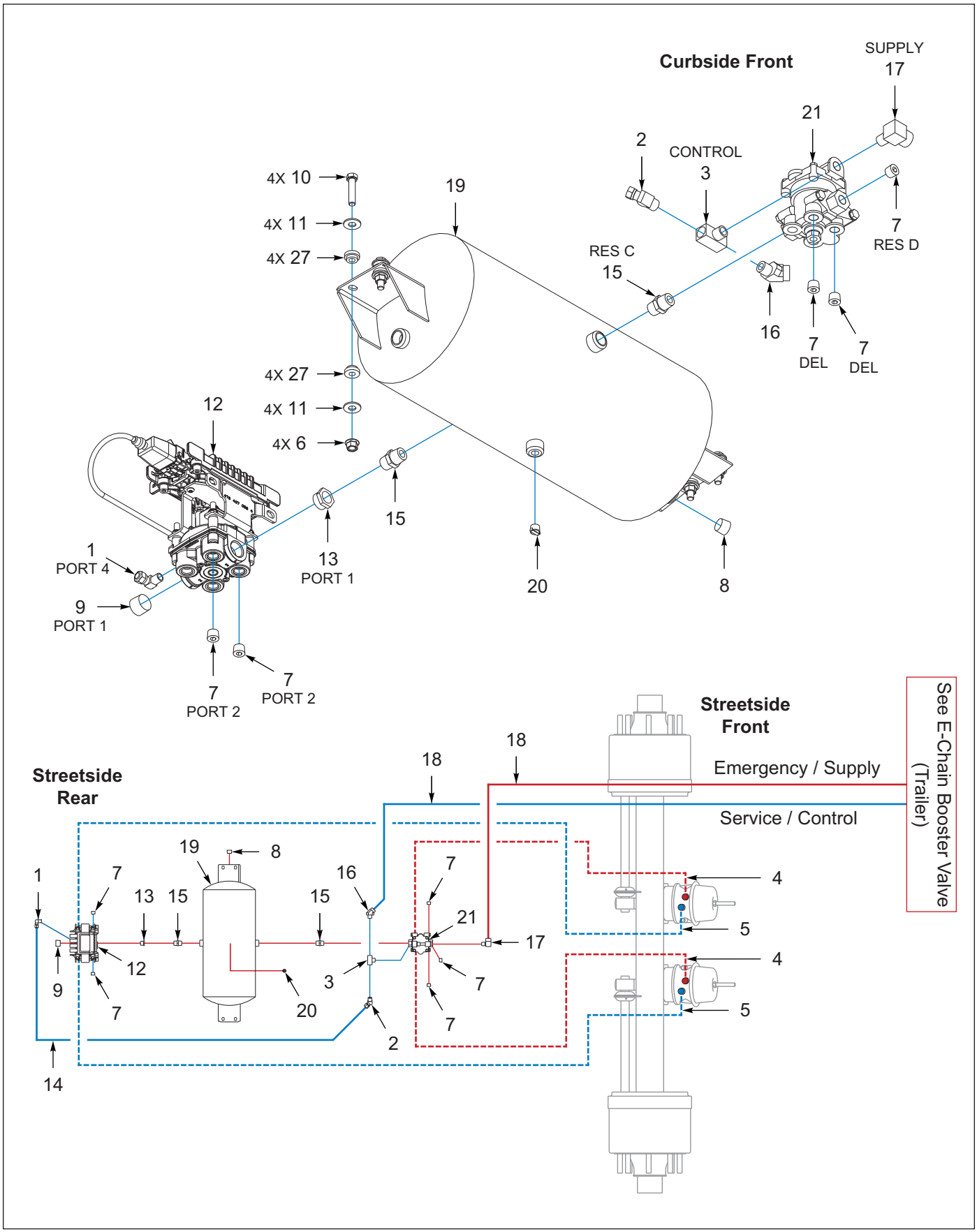


Figure 8-4: Anti-Lock Brakes, 1 Axle, Wabco (2 of 2)

Anti-Lock Brakes, 1 Axle, Wabco

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
1	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
2	1-297-010013-12	FITTING AIR 45 M/ELB3/8TX3/8P	1
3	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
4	1-384-010038054	HOSE ASM AIR 3/8X54,W/3/8 END	2
5	1-384-010038072	HOSE ASM AIR 3/8X72,W/3/8 END	2
6	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	4
7	1-560-010002-03	PLUG, PIPE, 3/8NPTF	5
8	1-560-010002-04	PLUG, PIPE, 1/2NPT	1
9	1-560-010002-05	PLUG,PIPE, 3/4-14NPTF	1
10	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	4
11	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	8
12	114589	ECU/VALVE ASSEMBLY 2S/1M **(ELECTRICAL SYSTEM- SEE PAGE 9-9)**	1
13	118-2659-9	BUSHING 1/2NPTX3/4NPT STL	1
14	184442	TUBING 3/8 BLUE **(BY THE FOOT)**	2.2
15	2083-8-8S	NIPPLE 1/2NPTX1/2NPT	2
16	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	1
17	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1
18	248881	HOSE ASM AIR 3/8X166 W/3/8ENDS	2
19	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	1
20	56D4	COCK,DRAIN AIR TANK VEL036019	1
21	758-181	VALVE TASK 4 PORT	1
22	805-2	BUSHINGS, STEP	8
23	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
24	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -
25	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE	12
26	239148	CLIP,3/8 AIR HOSE SEPERATOR	10
27	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS	3

Table provided for general use.

NOTES:

Anti-Lock Brakes, 2 Axle, Haldex

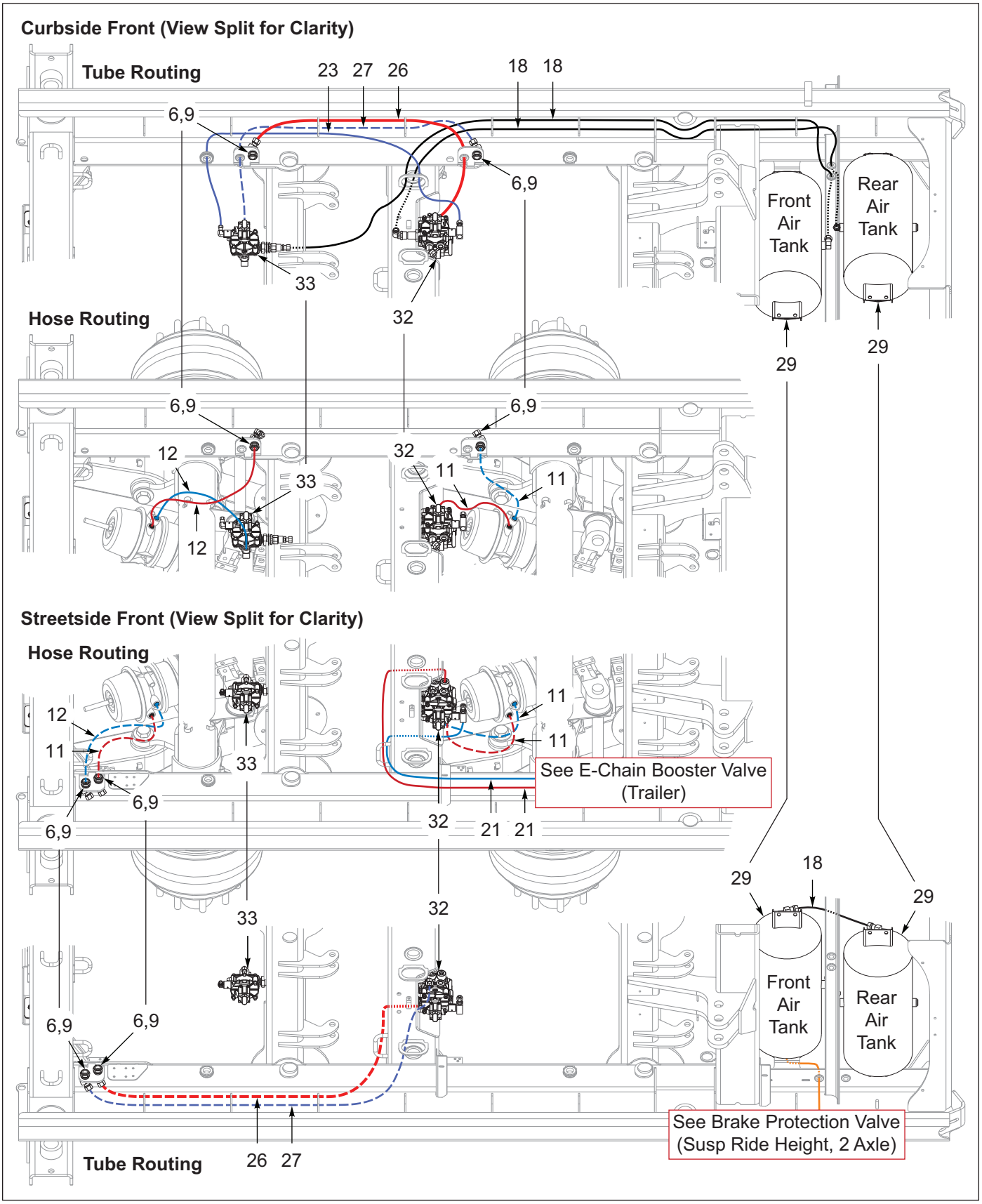
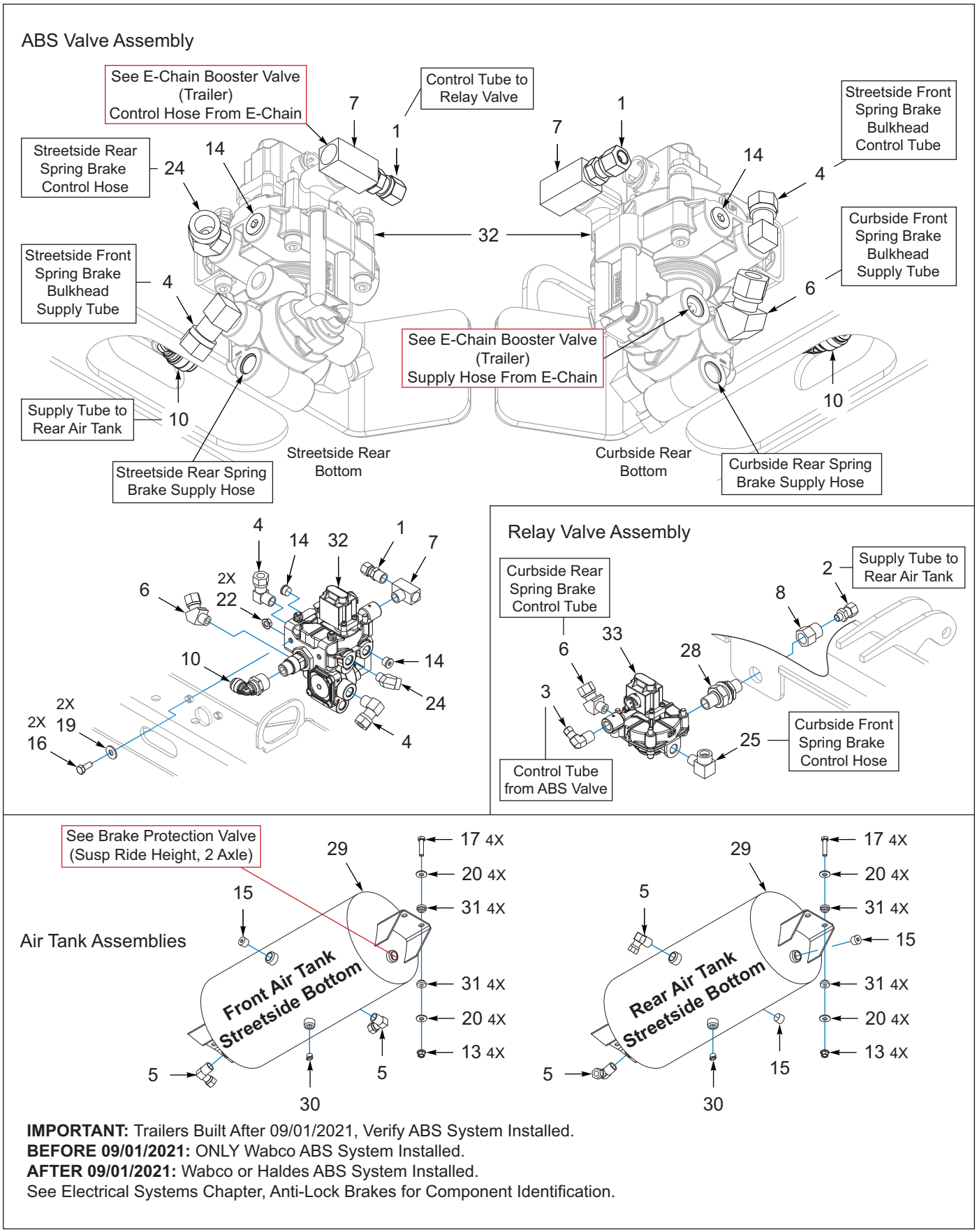
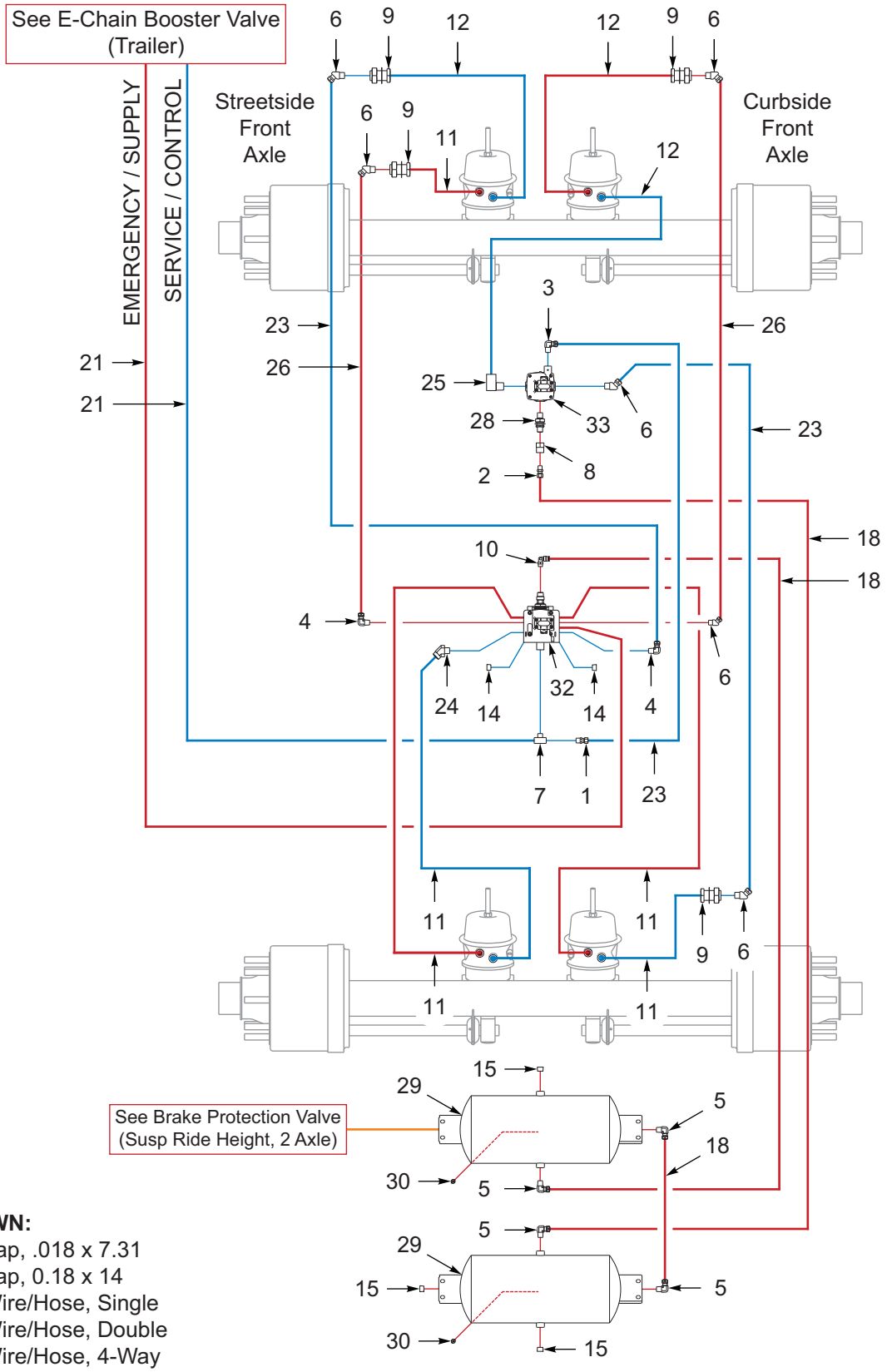


Figure 8-5: Anti-Lock Brakes, 2 Axle, Haldex (1 of 3)



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 Haldes ABS System Installed.
See Electrical Systems Chapter, Anti-Lock Brakes for Component Identification.

Figure 8-6: Anti-Lock Brakes, 2 Axle, Haldex (2 of 3)



NOT SHOWN:
34 - Tie Strap, .018 x 7.31
35 - Tie Strap, 0.18 x 14
36 - Clip, Wire/Hose, Single
37 - Clip, Wire/Hose, Double
38 - Clip, Wire/Hose, 4-Way

Figure 8-7: Anti-Lock Brakes, 2 Axle, Haldex (3 of 3)

Anti-Lock Brakes, 2 Axle, Haldex

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-297-010007-12	FITTING AIR 3/8TUBE X 3/8NPT	1
2	1-297-010007-14	FITTING AIR 1/2TUBE X 1/4NPT	1
3	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
4	1-297-010008-23	FITTING,AIR 90 1/2TUBEX3/8NPT	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	6
7	1-297-010017-03	FITTING,BRS PIPE M/BR TEE 3/8	1
8	1-297-010021-05	FITTING,BRS PIPE,CPLG 1/2X3/8	1
9	1-297-010022-03	FITTING,AIR ANCHR CPLG, 3/8NPT	4
10	1-297-010032-08	FITTING, AIR 90 1/2FP TO 1/2T	1
11	1-384-010038018	HOSE ASM AIR 3/8X18,W/3/8 END	5
12	1-384-010038024	HOSE ASM AIR 3/8X24,W/3/8 END	3
13	1-510-010001	NUT, 3/8-16 UNC FLG LOCK GR G	8
14	1-560-010002-03	PLUG, PIPE, 3/8NPTF	2
15	1-560-010002-04	PLUG, PIPE, 1/2NPT	3
16	1-654-010049-03	SCREW HX CP 5/16-18UNCX3/4GR5	2
17	1-654-010051-08	SCREW,HEX CAP,3/8-16X1-3/4 G5	8
18	1-833-010003	TUBING NYLON 1/2 OD **(BLACK - BY THE FOOT)**	18
19	1-861-010032-09	WASHER, FLAT 5/16 W ZP/CD	2
20	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	16
21	248999	HOSE AIR 3/8X144 W/ 3/8 ENDS	2
22	126561	NUT,FLG HD,SERRATED,5/16-18ZP	2
23	184442	TUBING 3/8 BLUE **(BY THE FOOT)**	5
24	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	1
25	2089-6-6S	ADAPTER 90 3/8MPTX3/8FPT	1
26	236560	TUBING AIR 1/2 RED **(BY THE FOOT)**	9
27	240051	TUBING AIR 1/2 BLUE (BY THE FOOT)	10
28	55B61	FRAME UNION	1
29	3-780-010002	TANK AIR 9.5X22.5 .5NPT PORTS	2
30	56D4	COCK,DRAIN AIR TANK VEL036019	2
31	805-2	BUSHINGS, STEP	16
32	239691	ABS VALVE FFABS 2 SER/4SPG BK **(ELECTRICAL SYSTEM - SEE PAGE 9-13)**	1
33	232779	RELAY VALVE ABS 12V HALDEX **(ELECTRICAL SYSTEM - SEE PAGE 9-13)**	1
34	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
35	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -
36	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE	12
37	239148	CLIP,3/8 AIR HOSE SEPERATOR	10
38	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS	3

Suspension, Ride Height, 1 Axle

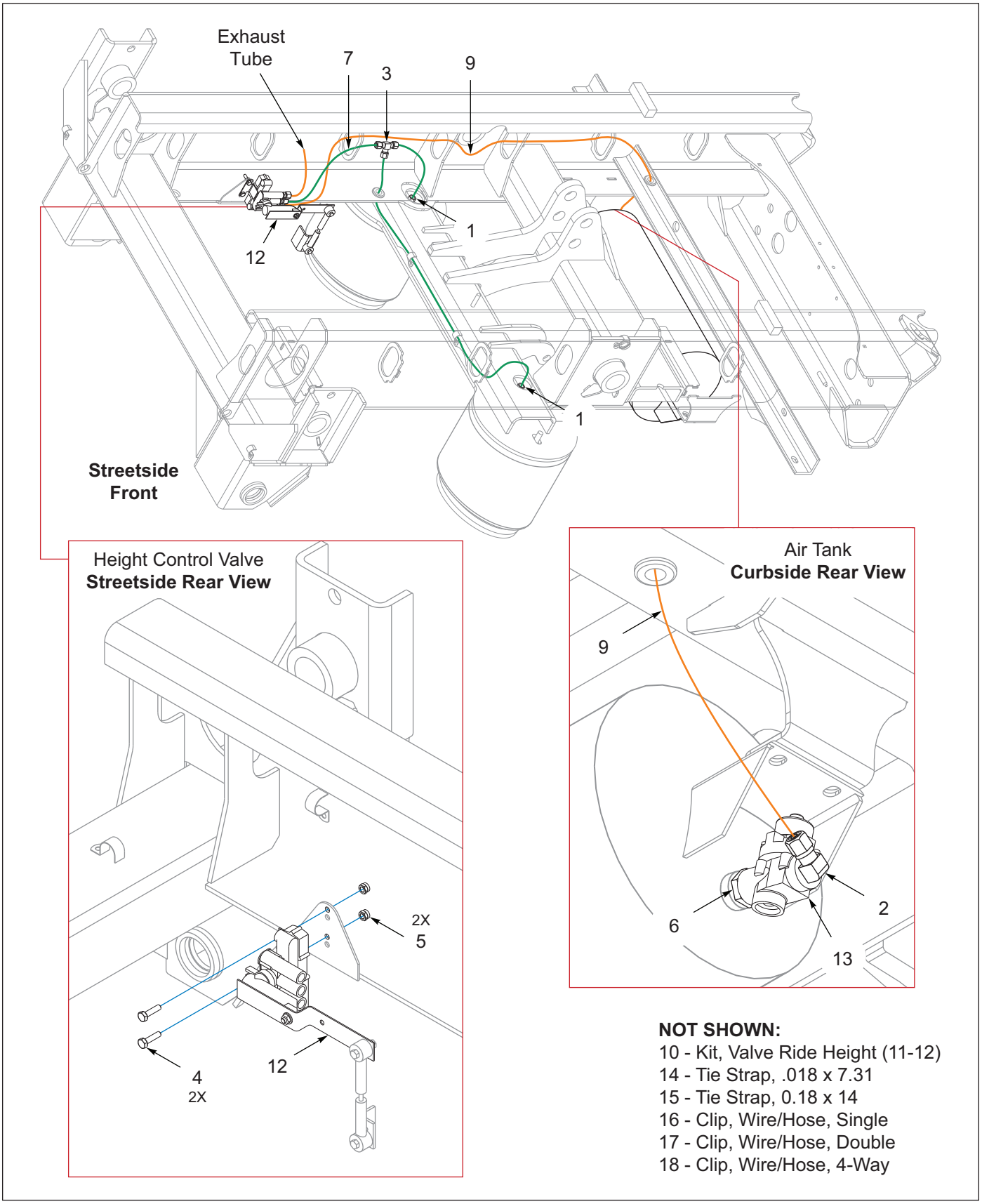


Figure 8-8: Suspension, Ride Height, 1 Axle (1 of 2)

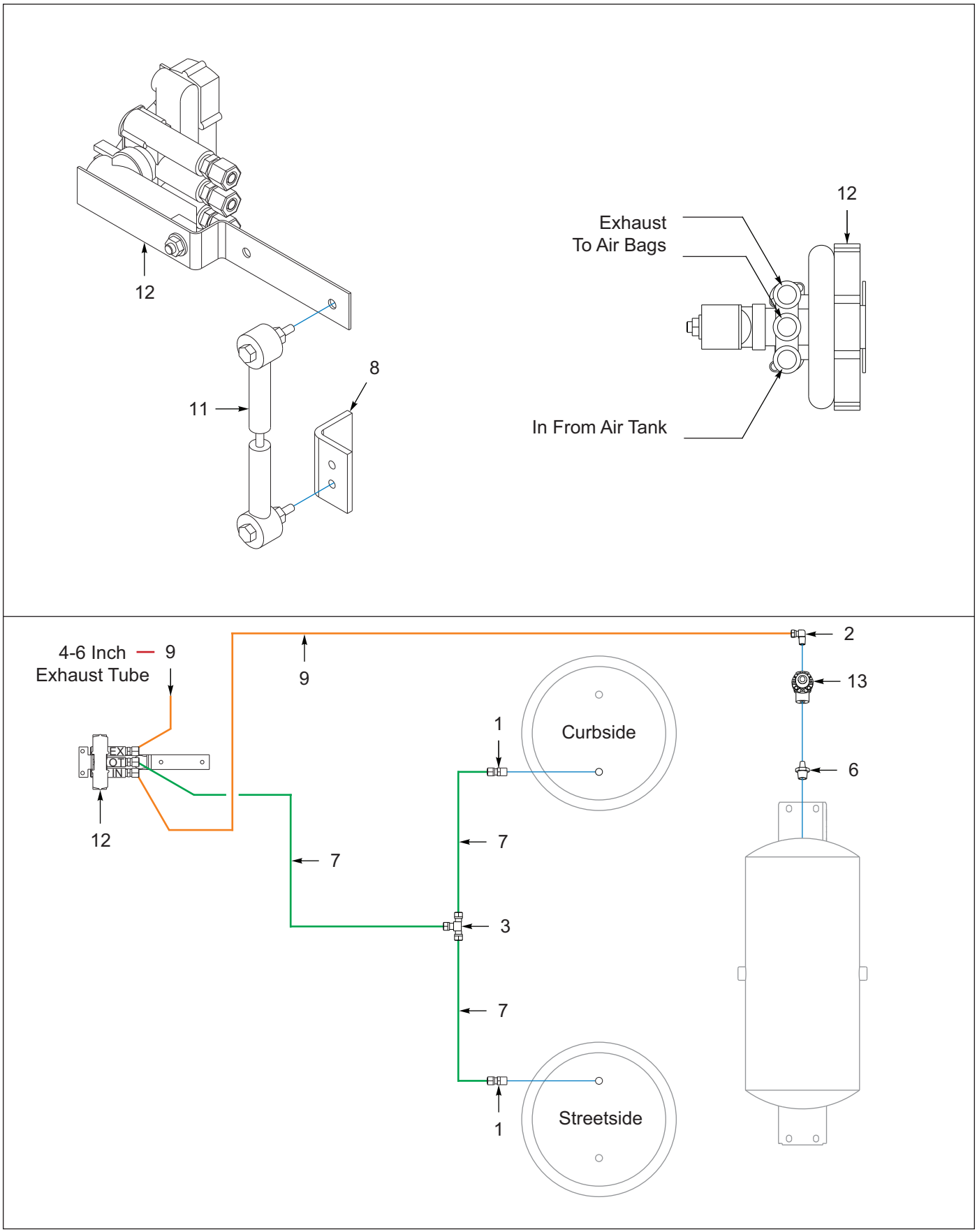


Figure 8-9: Suspension, Ride Height, 1 Axle (2 of 2)

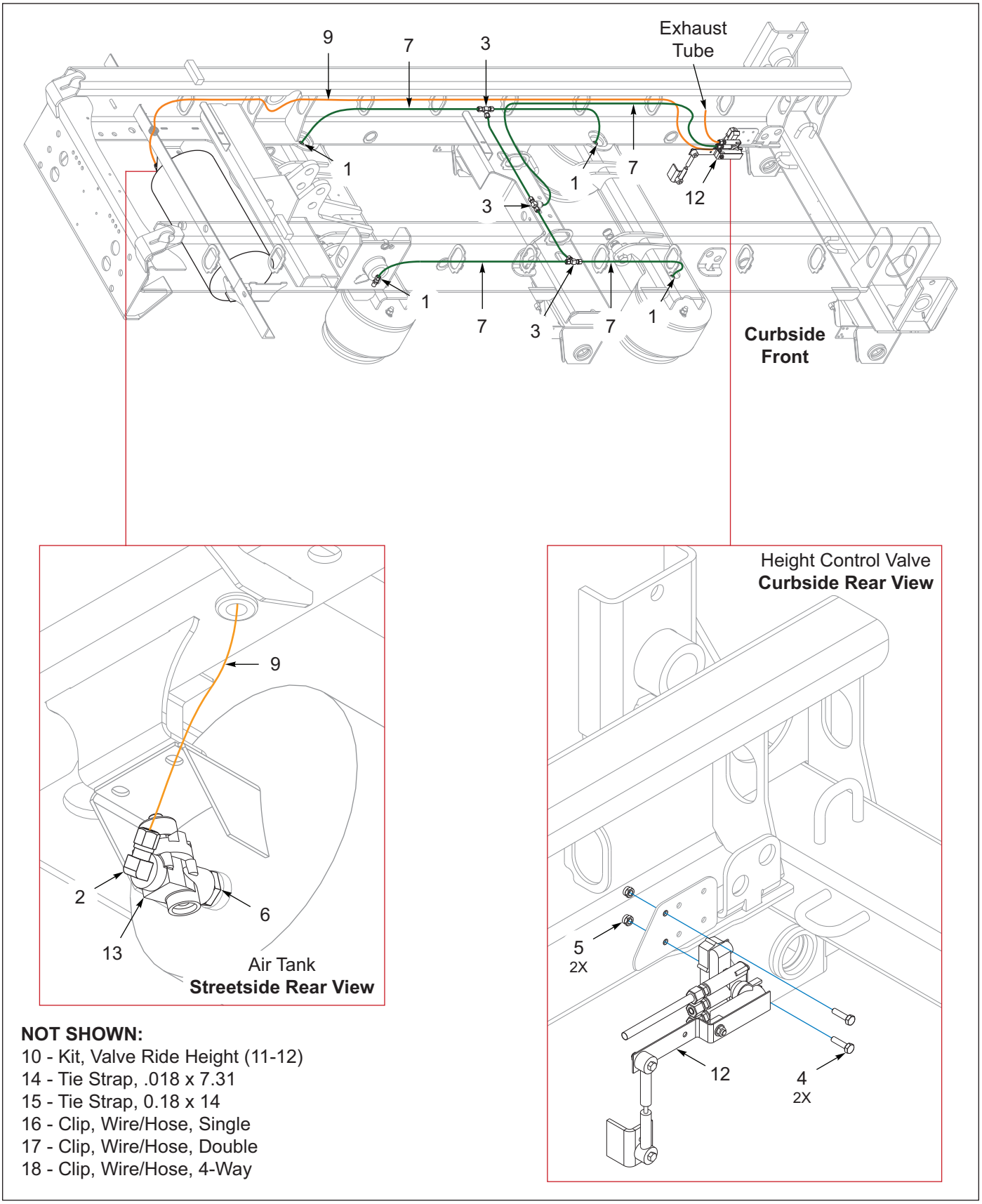
Suspension, Ride Height, 1 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
1	1-297-010007-11	FITTING,AIR,3/8TUBE TO 1/4NPT	2
2	1-297-010008-18	FITTING,AIR 90 3/8TUBEX1/4NPT	1
3	1-297-010010-03	FITTING,AIR, UNION TEE 3/8	1
4	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
5	108417	NUT SPIRAL 1/4-20HX FG	2
6	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
7	213453	TUBING 3/8 OD DARK GREEN **(BY THE FOOT)**	5.5
8	238806	BRCKT LINK, RIDE HGHT	1
9	240102	TUBING AIR 3/8 ORANGE **(BY THE FOOT)**	5.2
10	240141	VLVE, AIR RIDE HEIGHT HLDX 3/8 **(INCLUDES ITEMS 11-12)**	1
11	481-00-225	LINKAGE (18-1/4" LONG ROD) **(INCLUDED WITH ITEM 10)** **(INCLUDES BOOTS, ROD AND MOUNTING HARDWARE)**	1
12	905-54-183	HEIGHT CONTROL VALVE 3/8 HLDX **(INCLUDED WITH ITEM 10)**	1
13	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
14	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
15	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -
16	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE	12
17	239148	CLIP,3/8 AIR HOSE SEPERATOR	10
18	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS	3

Table provided for general use.

NOTES:

Suspension, Ride Height, 2 Axle



NOT SHOWN:
10 - Kit, Valve Ride Height (11-12)
14 - Tie Strap, .018 x 7.31
15 - Tie Strap, 0.18 x 14
16 - Clip, Wire/Hose, Single
17 - Clip, Wire/Hose, Double
18 - Clip, Wire/Hose, 4-Way

Figure 8-10: Suspension, Ride Height, 2 Axle (1 of 2)

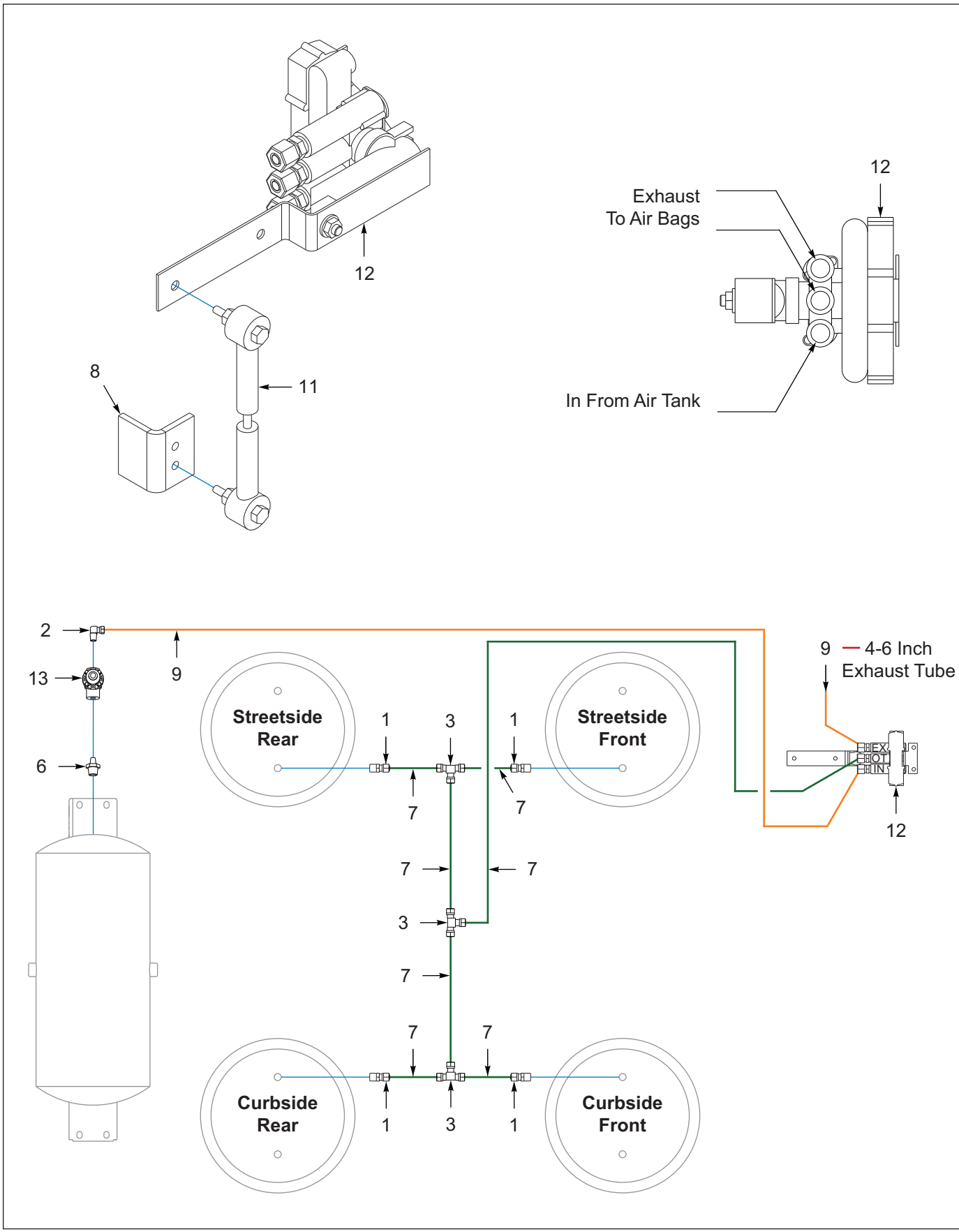


Figure 8-11: Suspension, Ride Height, 2 Axle (2 of 2)

Suspension, Ride Height, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
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	1-654-010047-04	SCREW,HEX CAP,1/4-20X3/4 GR5	2
5	108417	NUT SPIRAL 1/4-20HX FG	2
6	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
7	213453	TUBING 3/8 OD DARK GREEN **(BY THE FOOT)**	18
8	238806	BRCKT LINK, RIDE HGHT	1
9	240102	TUBING AIR 3/8 ORANGE **(BY THE FOOT)**	9
10	240141	VLVE, AIR RIDE HEIGHT HLDX 3/8 **(INCLUDES ITEMS 11-12)**	1
11	481-00-225	LINKAGE (18-1/4" LONG ROD) **(INCLUDED WITH ITEM 10)** **(INCLUDES BOOTS, ROD AND MOUNTING HARDWARE)**	1
12	905-54-183	HEIGHT CONTROL VALVE 3/8 HLDX **(INCLUDED WITH ITEM 10)**	1
13	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
14	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
15	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -
16	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE **(SINGLE)**	12
17	239148	CLIP,3/8 AIR HOSE SEPERATOR **(DOUBLE)**	10
18	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS **(4-WAY)**	3

Table provided for general use.

NOTES:

Tire Inflation, 1 Axle

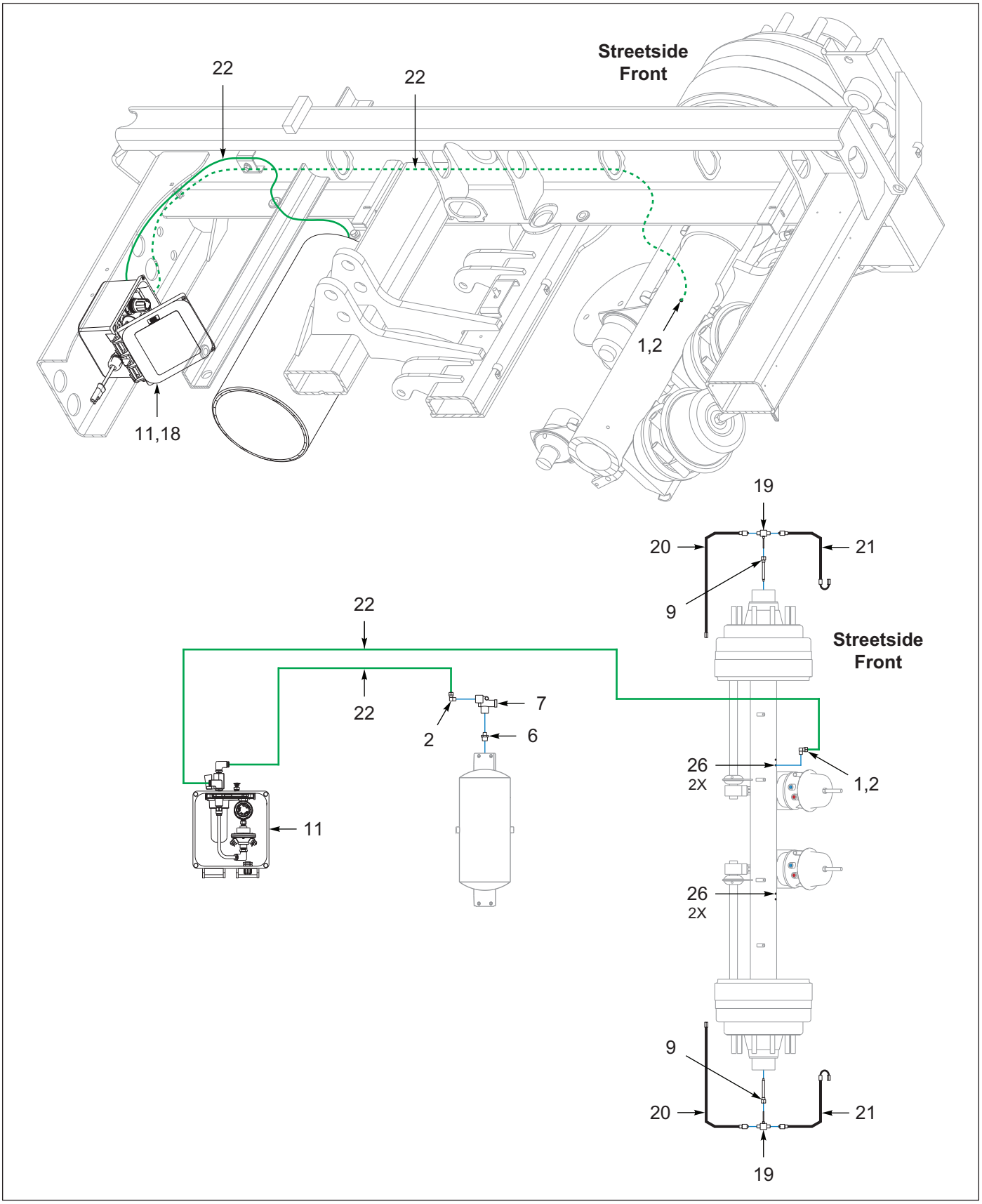
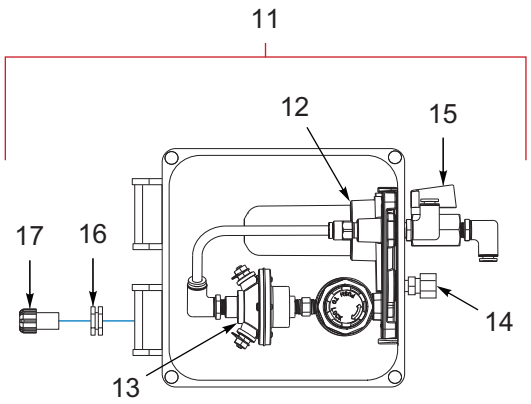
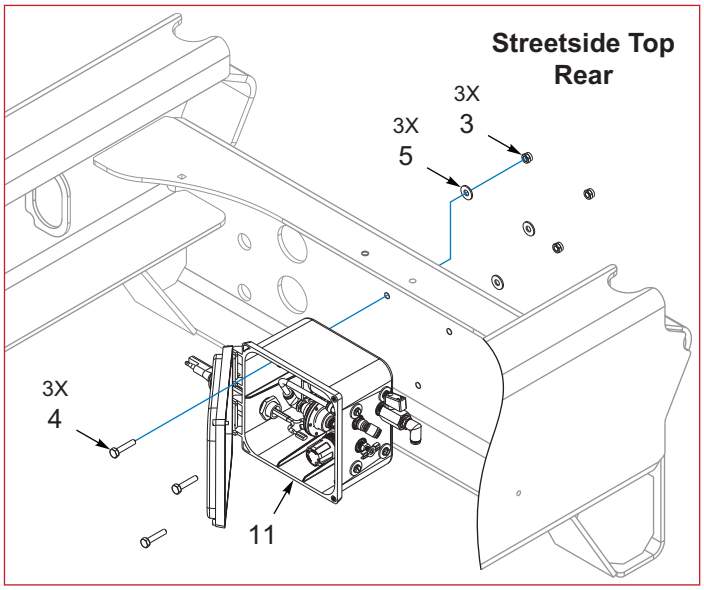


Figure 8-12: Tire Inflation, 1 Axle (1 of 2)





NOT SHOWN:
18 - Control Box Lid
24 - Decal, Orange Light Warning
25 - Decal, Yellow Warning

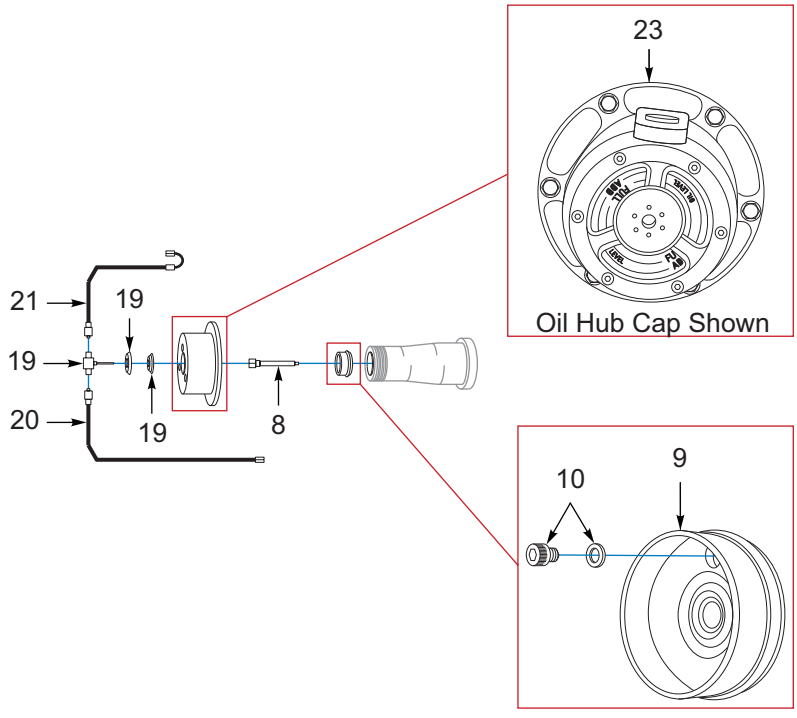


Figure 8-13: Tire Inflation, 1 Axle (2 of 2)

Tire Inflation, 1 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223301	TIRE INFLATION SYS 1 AXLE	- -
	201030	THERMALERT TIS 1 AXLE	- -
1	1-297-010008-05	FITTING,AIR 90 1/4TUBEX1/8NPT **(BEFORE 10/09/2024)**	1
2	1-297-010008-07	FITTING AIR 90 1/4TUBEX1/4NPT **(BEFORE 10/09/2024, REQ 1) (AFTER 10/09/2024, REQ 2)**	2
3	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
4	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	3
5	1-861-010032-07	WASHER,FLAT 1/4 ZP	3
6	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
7	168610	THERMALERT PRESS PROT VALVE	1
8	168616	THERMALERT STATOR & FILTER ASM **(PER AXLE)**	2
9	168617	THERMALERT PRESS PLUG ASSY **(PER AXLE)** **(INCLUDES ITEM 10)**	2
10	228069	THERMALERT THERMAL PLUG KIT **(INCLUDED WITH ITEM 9)** **(INCLUDES 1 PLUG AND 1 GASKET)**	1
11	168618	THERMALERT CONTROL BOX **(INCLUDES ITEMS 12-18)** **(ELECTRICAL SYSTEM - SEE PAGE 9-29)**	1
12	230613	TIS MANIFOLD ASSY (NEW STYLE) **(INCLUDED WITH ITEM 11)** **(INCLUDES PARTICULATE FILTER / BOWL, PRESSURE REGULATOR, GASKET, 4 SCREWS & 8 INCH AIR LINE)**	1
13	180229	FLOW SENSING SWITCH **(INCLUDED WITH ITEM 11)** **(ELECTRICAL SYSTEM - SEE PAGE 9-29)**	1
14	180225	PETCOCK **(INCLUDED WITH ITEM 11)**	1
15	180223	SHUT-OFF VALVE **(INCLUDED WITH ITEM 11)**	1
16	106-0006	NUT 1/2 CONDUIT STL **(INCLUDED WITH ITEM 11)** **(ELECTRICAL SYSTEM - SEE PAGE 9-29)**	1
17	20125	STRAIN RELIEF, 1/4TO3/8 **(INCLUDED WITH ITEM 11)** **(ELECTRICAL SYSTEM - SEE PAGE 9-29)**	1
18	216705	CONTROL BOX LID **(INCLUDED WITH ITEM 11)**	1
19	178592	THRU TEE ASSEMBLY 4.25" **(PER AXLE)** **(INCLUDES SHIELD & VENT CAP)**	2
20	180839	TIS LONG HOSE **(17" LONG) (PER AXLE)**	2
21	180840	TIS SHORT HOSE **(13-1/2" LONG) (PER AXLE)**	2
22	- - - - -	TUBING NYLON 1/4 LT GREEN	- -
23	197613	HUB CAP TIS OIL AXLE **(STANDARD) (PER AXLE)**	2
23	197318	HUB CAP TIS GREASE AXLE **(OPTION) (PER AXLE)**	2
24	205836	ORANGE LIGHT WARNING DECAL TIS **(NOT SHOWN)** **(LOCATED NEXT TO TIS LIGHT)**	1
25	205837	YLW TRAILER WARNING DECAL TIS **(NOT SHOWN) (1 LOCATED ON STREETSIDE TRAILER FRAME NEAR TIRES, 1 LOCATED IN MANUAL TUBE)**	2
26	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

Table provided for general use.

NOTES:

Tire Inflation, 2 Axle

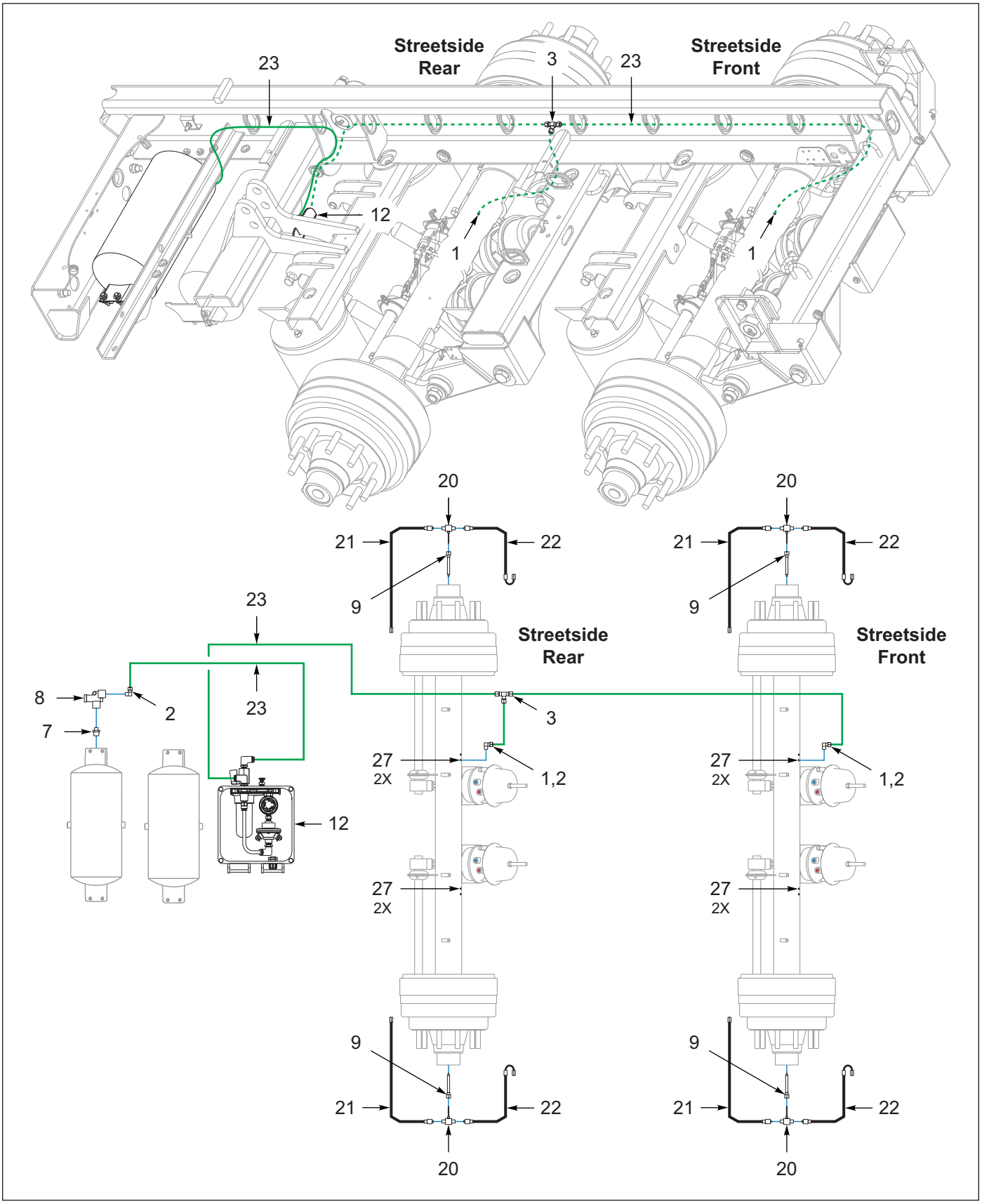
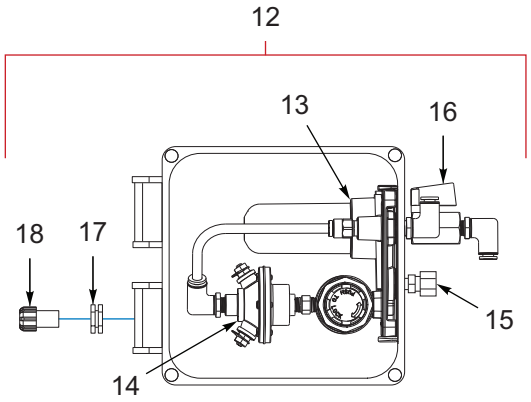
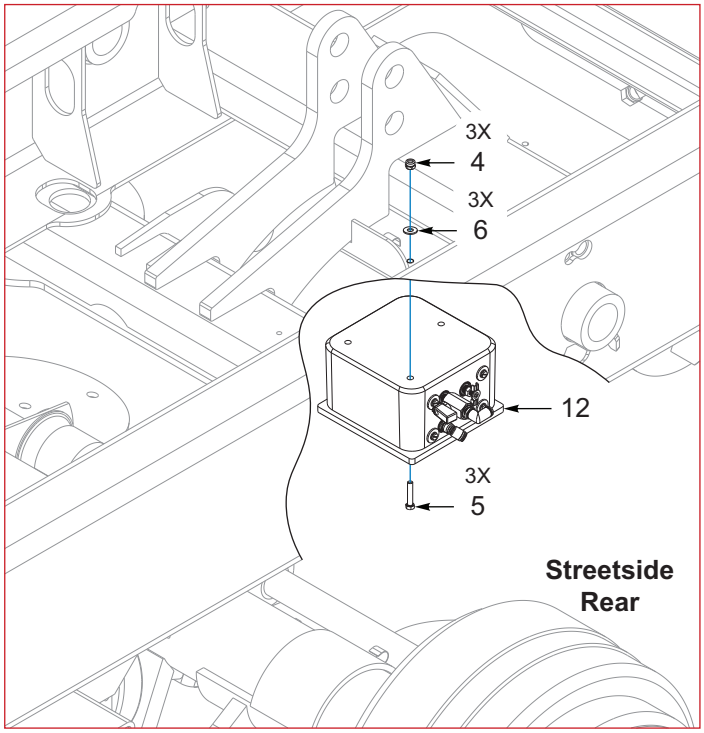


Figure 8-14: Tire Inflation, 2 Axle (1 of 2)



NOT SHOWN:
19 - Control Box Lid
25 - Decal, Orange Light Warning
26 - Decal, Yellow Warning



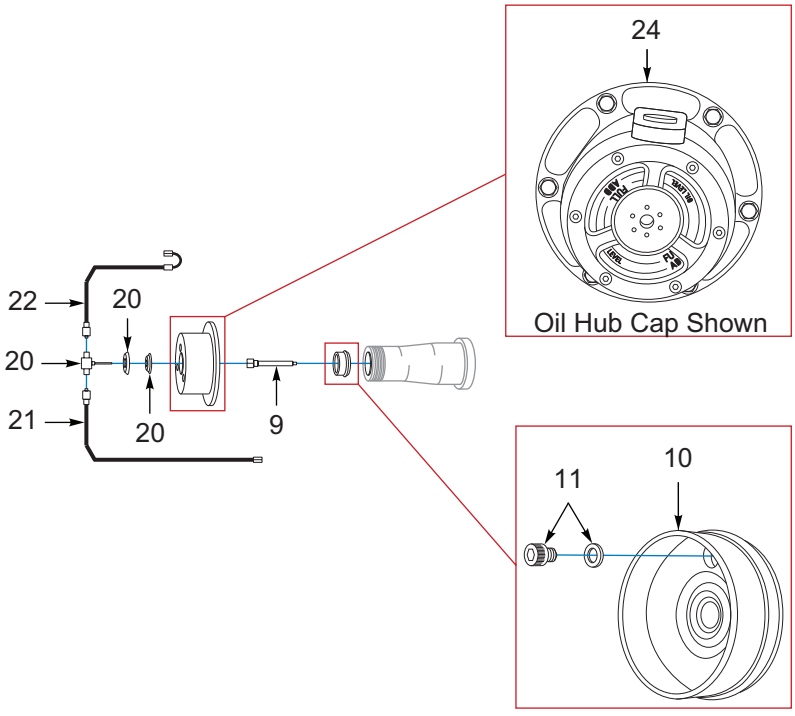


Figure 8-15: Tire Inflation, 2 Axle (2 of 2)

Tire Inflation, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223304	2 AXLE TIS TRAVELING AXLE	- -
	168593	THERMALERT TIS 2 AXLE	- -
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 **(BEFORE 10/09/2024, REQ 1) (AFTER 10/09/2024, REQ 3)**	3
3	1-297-010010-01	FITTING,AIR,UNION TEE 1/4	1
4	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20	3
5	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5	3
6	1-861-010032-07	WASHER,FLAT 1/4 ZP	3
7	2083-8-4S	NIPPLE HEX 1/2PIPE - 1/4PIPE	1
8	168610	THERMALERT PRESS PROT VALVE	1
9	168616	THERMALERT STATOR & FILTER ASM **(PER AXLE)**	2
10	168617	THERMALERT PRESS PLUG ASSY **(PER AXLE)** **(INCLUDES ITEM 11)**	2
11	228069	THERMALERT THERMAL PLUG KIT **(INCLUDED WITH ITEM 10)** **(INCLUDES 1 PLUG AND 1 GASKET)**	1
12	168618	THERMALERT CONTROL BOX **(INCLUDES ITEMS 13-19)** **(ELECTRICAL SYSTEM - SEE PAGE 9-31)**	1
13	230613	TIS MANIFOLD ASSY (NEW STYLE) **(INCLUDED WITH ITEM 12)** **(INCLUDES PARTICULATE FILTER / BOWL, PRESSURE REGULATOR, GASKET, 4 SCREWS & 8 INCH AIR LINE)**	1
14	180229	FLOW SENSING SWITCH **(INCLUDED WITH ITEM 12)** **(ELECTRICAL SYSTEM - SEE PAGE 9-31)**	1
15	180225	PETCOCK **(INCLUDED WITH ITEM 12)**	1
16	180223	SHUT-OFF VALVE **(INCLUDED WITH ITEM 12)**	1
17	106-0006	NUT 1/2 CONDUIT STL **(INCLUDED WITH ITEM 12)** **(ELECTRICAL SYSTEM - SEE PAGE 9-31)**	1
18	20125	STRAIN RELIEF, 1/4TO3/8 **(INCLUDED WITH ITEM 12)** **(ELECTRICAL SYSTEM - SEE PAGE 9-31)**	1
19	216705	CONTROL BOX LID **(INCLUDED WITH ITEM 12)**	1
20	178592	THRU TEE ASSEMBLY 4.25" **(PER AXLE)** **(INCLUDES SHIELD & VENT CAP)**	2
21	180839	TIS LONG HOSE **(17" LONG) (PER AXLE)**	1
22	180840	TIS SHORT HOSE **(13-1/2" LONG) (PER AXLE)**	2
23	- - - - -	TUBING NYLON 1/4 LT GREEN	- -
24	197613	HUB CAP TIS OIL AXLE **(STANDARD) (PER AXLE)**	2
24	197318	HUB CAP TIS GREASE AXLE **(OPTION) (PER AXLE)**	2
25	205836	ORANGE LIGHT WARNING DECAL TIS **(NOT SHOWN)** **(LOCATED NEXT TO TIS LIGHT)**	1
26	205837	YLW TRAILER WARNING DECAL TIS **(NOT SHOWN) (1 LOCATED ON STREETSIDE TRAILER FRAME NEAR TIRES, 1 LOCATED IN MANUAL TUBE)**	2
27	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

Table provided for general use.

NOTES:

Valve Assembly, Air Booster

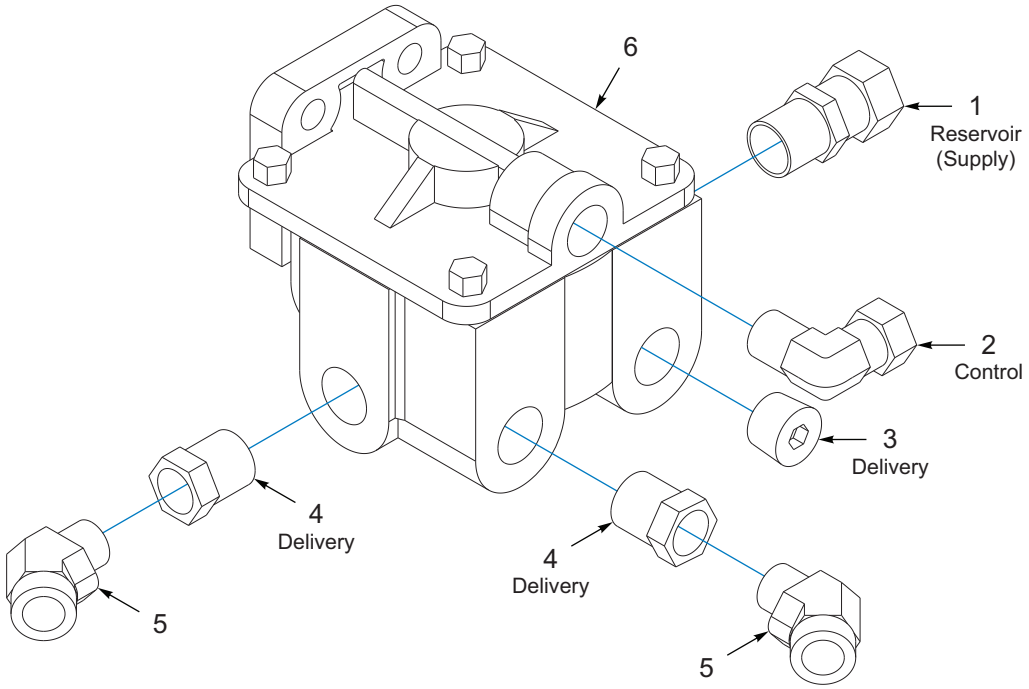


Figure 8-16: Valve Assembly, Air Booster

Valve Assembly, Air Booster

ITEM	PART NUMBER	DESCRIPTION	QTY.
	247000	VALVE ASSY AIR BOOSTER 343B **(INCLUDES ITEMS 1-6)**	1
1	1-297-010007-16	FITTING AIR 1/2TUBEX1/2 NPT	1
2	1-297-010008-20	FITTING,AIR 90 3/8TUBEX3/8NPT	1
3	1-560-010002-04	PLUG, PIPE, 1/2NPT	1
4	2081-8-6S	REDUCER 1/2NPT X 3/8NPT	2
5	2088-6-6S	ADAPTER 45 3/8MPTX3/8FPT	2
6	3-843-010038	VALVE,AIR RELAY FAST AIR BAL	1

Table provided for general use.

NOTES:

Winch Install, Ramsey 12K, 1 Speed, Spring Tension

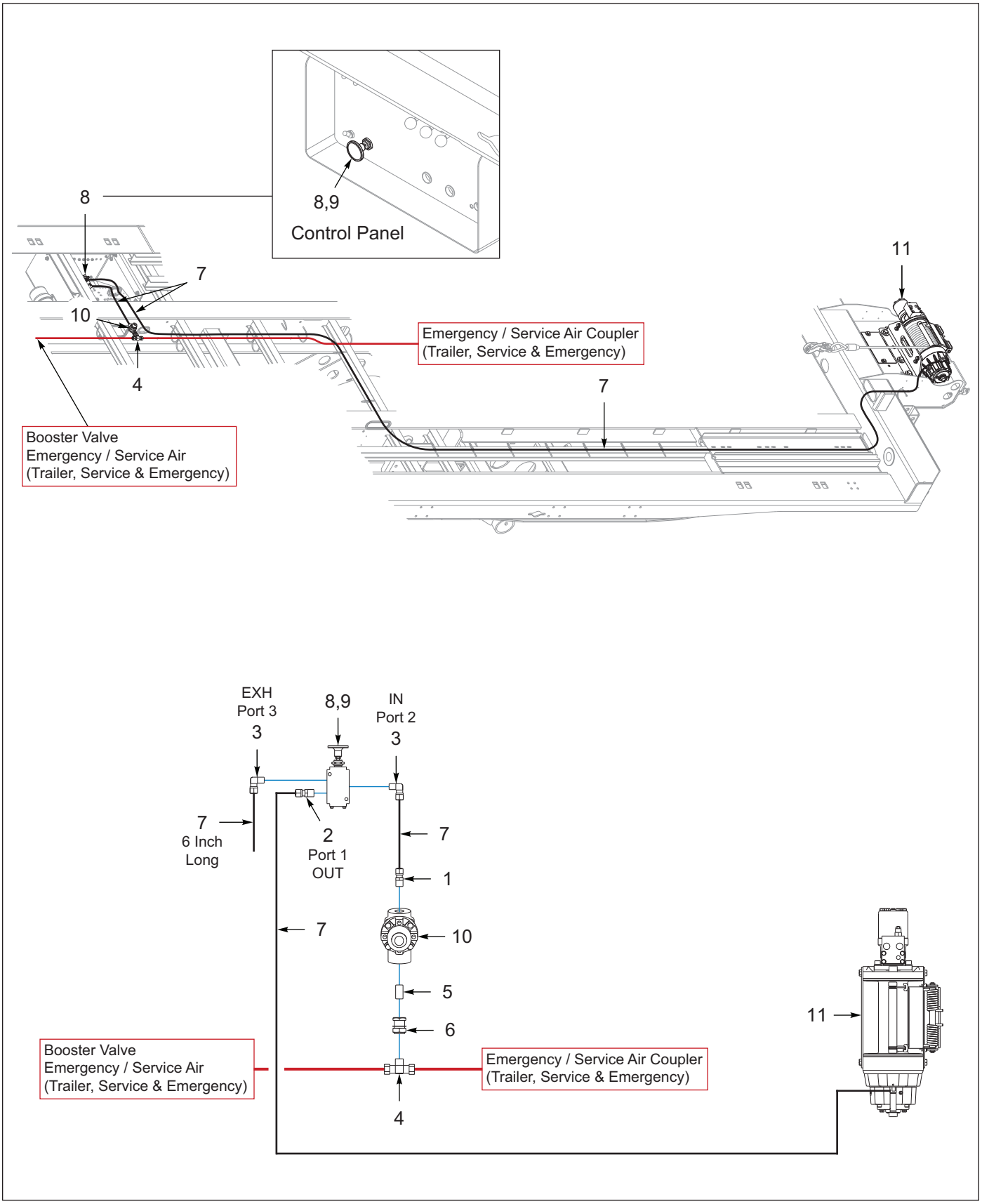


Figure 8-17: Winch Install, Ramsey 12K, 1 Speed, Spring Tension

Winch Install, Ramsey 12K, 1 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	242587	WINCH 12K RAMSEY 343	- -
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
2	1-297-010007-06	FITTING,AIR,1/4TUBE TO 3/8NPT	1
3	1-297-010008-09	FITTING,AIR 90 1/4TUBEX3/8NPT	2
4	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1
5	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	1
6	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
7	1-833-010001	TUBING NYLON 1/4 OD **(BLACK - BY THE FOOT)**	34
8	249197	VALVE, AIR, 3-2, AIRMAN **(INCLUDES ITEM 9)**	1
9	249196	KNOB, ALUMINUM, AIRMAN **(INCLUDED WITH ITEM 8)**	1
10	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
11	240549	WINCH 12K RAMSEY **(COMPONENTS - SEE PAGE 6-15)** **(HYDRAULIC SYSTEM - SEE PAGE 11-7)** **(INSTALLATION - SEE PAGE 6-7)**	1

Winch Install, Ramsey 20K, 2 Speed, Spring Tension

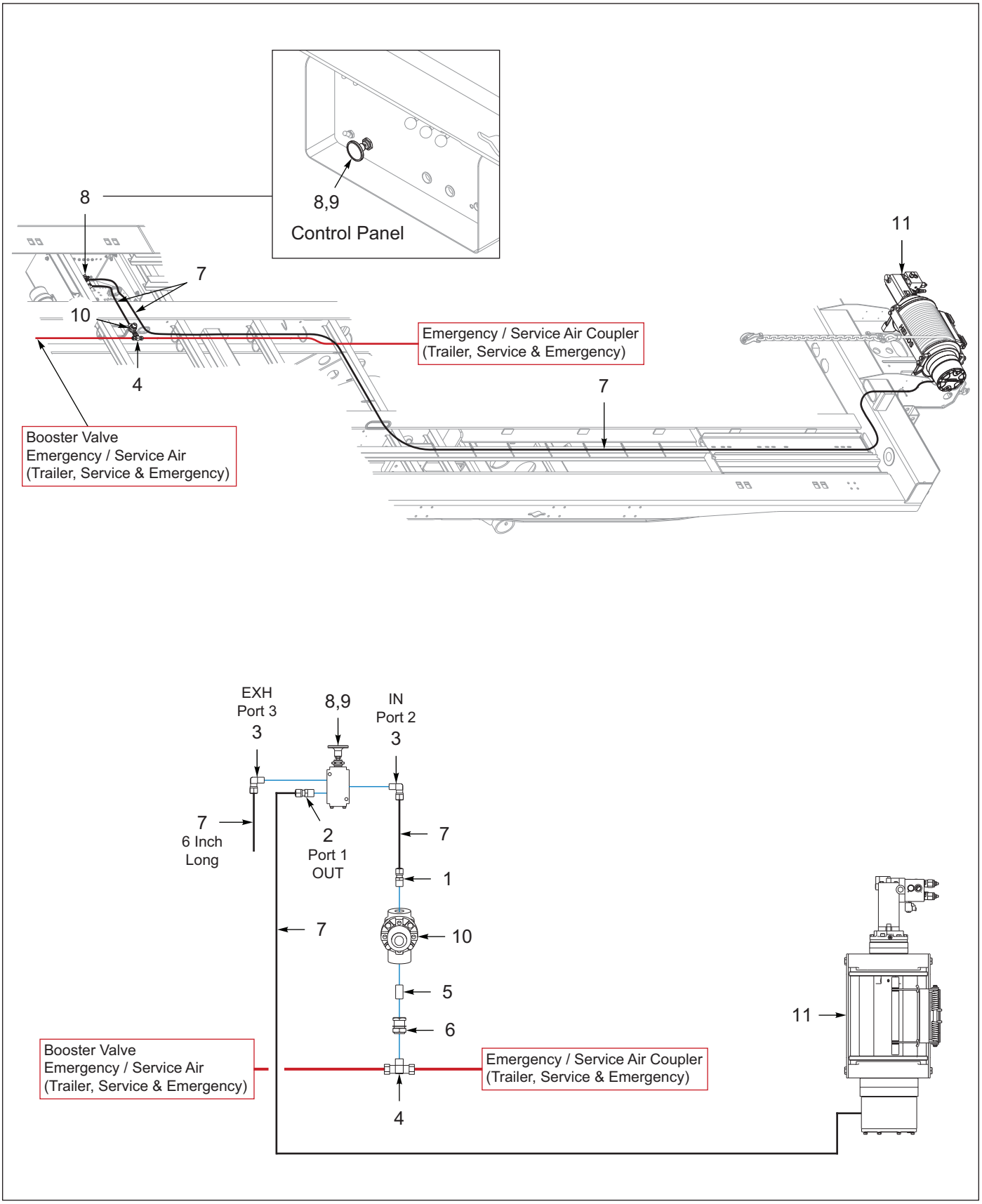


Figure 8-18: Winch Install, Ramsey 20K, 2 Speed, Spring Tension

Winch Install, Ramsey 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	242589	WINCH 20K RAMSEY 2SP 343	- -
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
2	1-297-010007-06	FITTING,AIR,1/4TUBE TO 3/8NPT	1
3	1-297-010008-09	FITTING,AIR 90 1/4TUBEX3/8NPT	2
4	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1
5	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	1
6	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
7	1-833-010001	TUBING NYLON 1/4 OD **(BLACK - BY THE FOOT)**	34
8	249197	VALVE, AIR, 3-2, AIRMAN **(INCLUDES ITEM 9)**	1
9	249196	KNOB, ALUMINUM, AIRMAN **(INCLUDED WITH ITEM 8)**	1
10	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
11	240526	WINCH 20K RAMSEY 2 SPEED **(COMPONENTS - SEE PAGE 6-19)** **(ELECTRICAL SYSTEM - SEE PAGE 9-33)** **(HYRAULIC SYSTEM - SEE PAGE 11-9)** **(INSTALLATION - SEE PAGE 6-9)**	1

Winch Install, Warn 12K, 1 Speed, Spring Tension

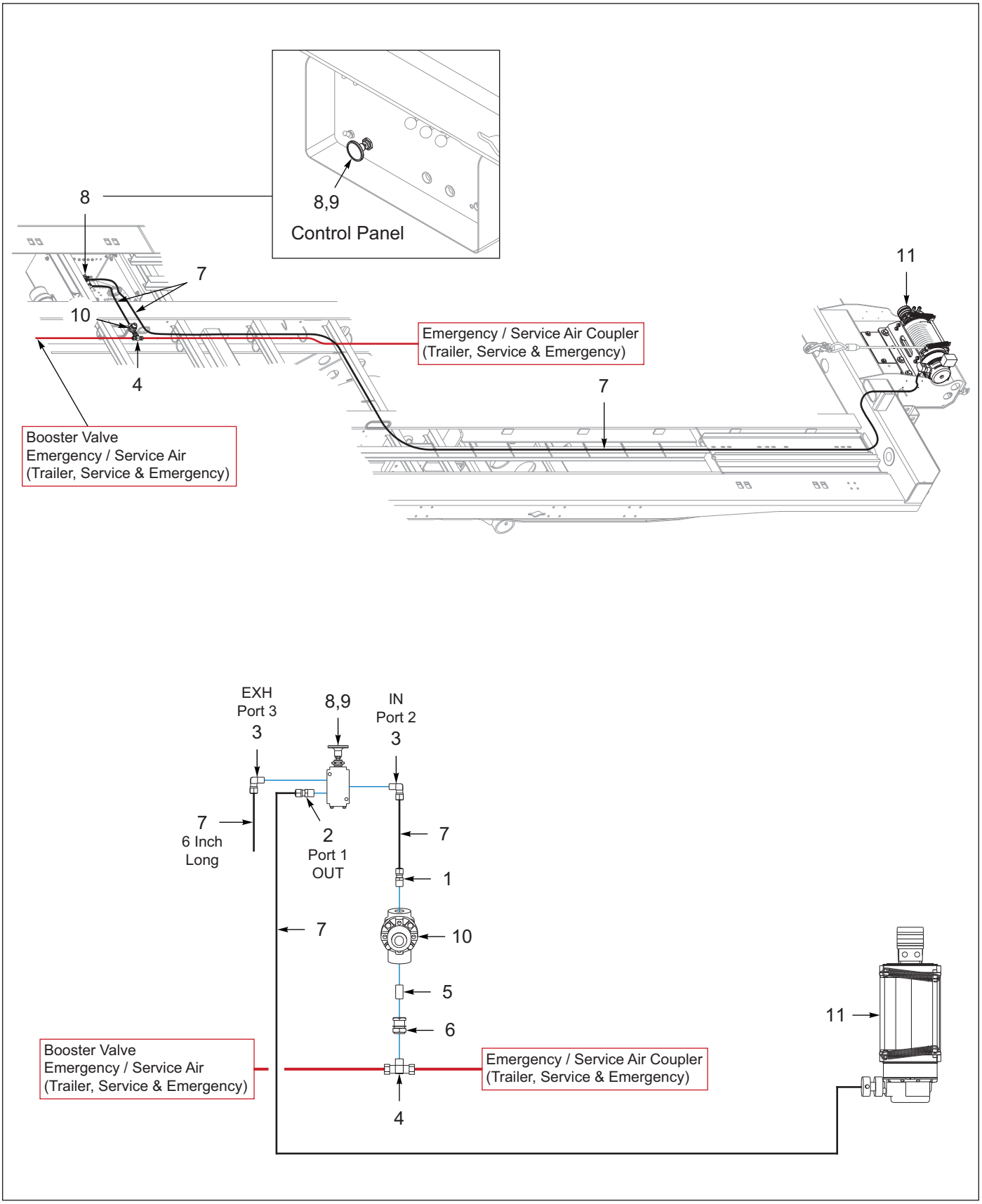


Figure 8-19: Winch Install, Warn 12K, 1 Speed, Spring Tension

Winch Install, Warn 12K, 1 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	180908	WINCH 12K WARN 343	- -
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
2	1-297-010007-06	FITTING,AIR,1/4TUBE TO 3/8NPT	1
3	1-297-010008-09	FITTING,AIR 90 1/4TUBEX3/8NPT	2
4	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1
5	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	1
6	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
7	1-833-010001	TUBING NYLON 1/4 OD **(BLACK - BY THE FOOT)**	34
8	249197	VALVE, AIR, 3-2, AIRMAN **(INCLUDES ITEM 9)**	1
9	249196	KNOB, ALUMINUM, AIRMAN **(INCLUDED WITH ITEM 8)**	1
10	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
11	166421	WINCH 12M WARN W/LW&RMTC **(COMPONENTS - SEE PAGE 6-23)** **(HYRAULIC SYSTEM - SEE PAGE 11-11)** **(INSTALLATION - SEE PAGE 6-11)**	1

Winch Install, Warn 20K, 2 Speed, Spring Tension

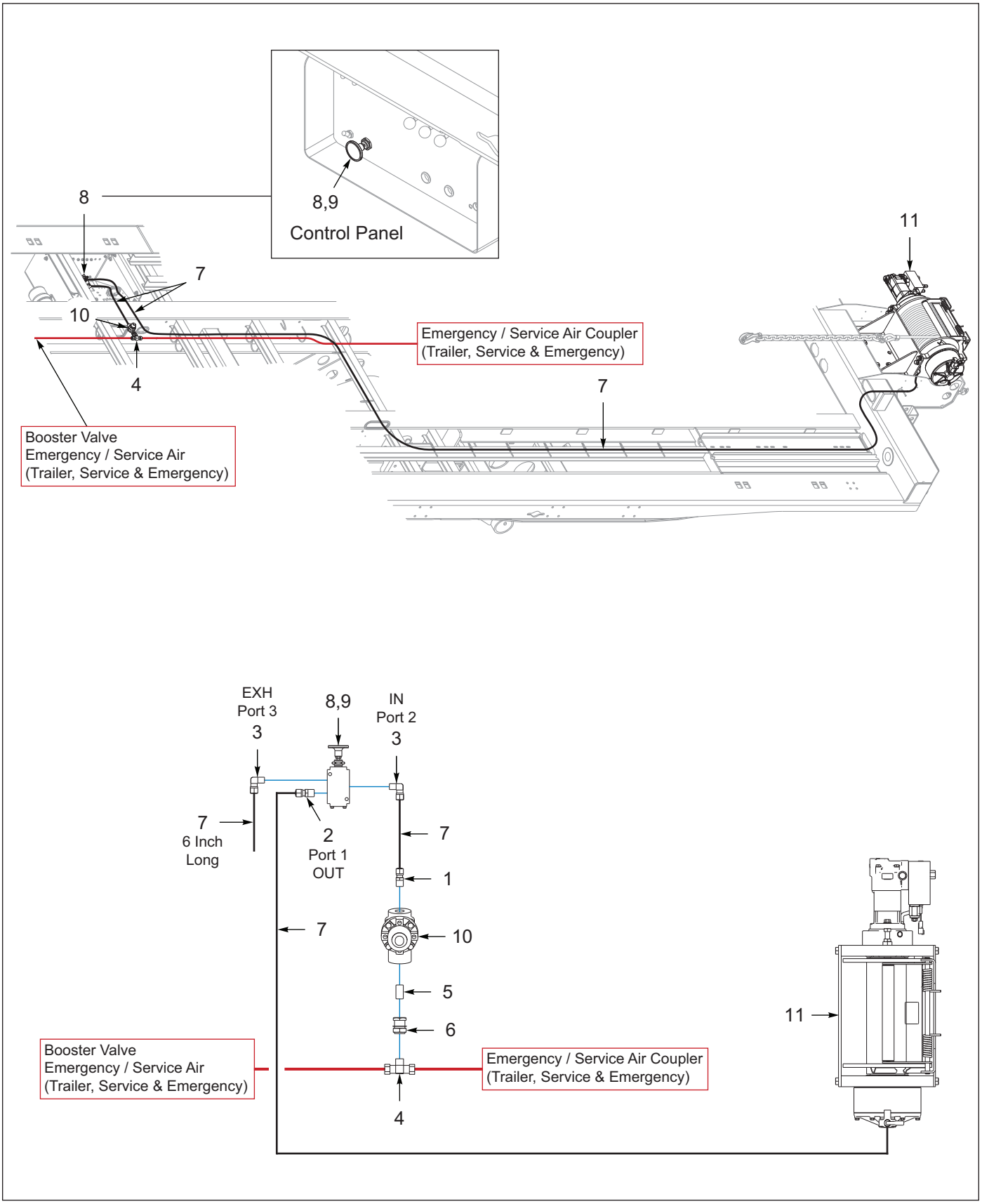


Figure 8-20: Winch Install, Warm 20K, 2 Speed, Spring Tension

Winch Install, Warn 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178676	WINCH INSTL 20K WARN 2 SPD 343	- -
1	1-297-010007-05	FITTING, AIR, 1/4TUBEX1/4NPT	1
2	1-297-010007-06	FITTING,AIR,1/4TUBE TO 3/8NPT	1
3	1-297-010008-09	FITTING,AIR 90 1/4TUBEX3/8NPT	2
4	1-297-010015-09	FITTING,AIR,BR TEE 1/2T-1/4P	1
5	1-297-010020-02	FITTING,BRS PIPE,CL NIP 1/4	1
6	1-297-010022-02	FITTING,AIR ANCHR CPLG,1/4NPT	1
7	1-833-010001	TUBING NYLON 1/4 OD **(BLACK - BY THE FOOT)**	34
8	249197	VALVE, AIR, 3-2, AIRMAN **(INCLUDES ITEM 9)**	1
9	249196	KNOB, ALUMINUM, AIRMAN **(INCLUDED WITH ITEM 8)**	1
10	905-54-107	BRAKE PROTECTION VALVE **(INCLUDES FILTER 167692)**	1
11	167521	WINCH 20K WARN 2 SPEED **(COMPONENTS - SEE PAGE 6-25)** **(ELECTRICAL SYSTEM - SEE PAGE 9-35)** **(HYRAULIC SYSTEM - SEE PAGE 11-13)** **(INSTALLATION - SEE PAGE 6-13)**	1

System, Electrical

Trailer

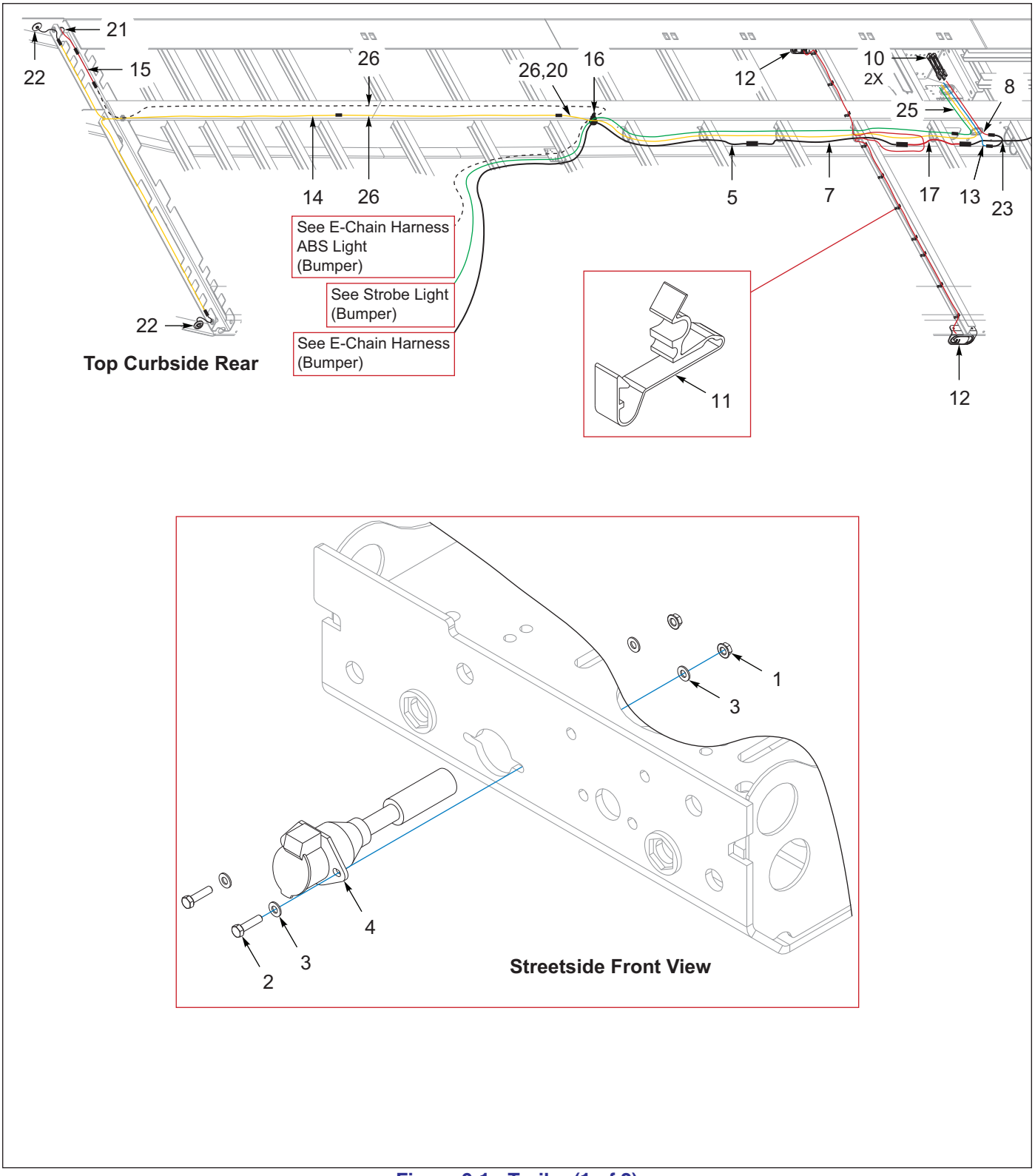


Figure 9-1: Trailer (1 of 2)

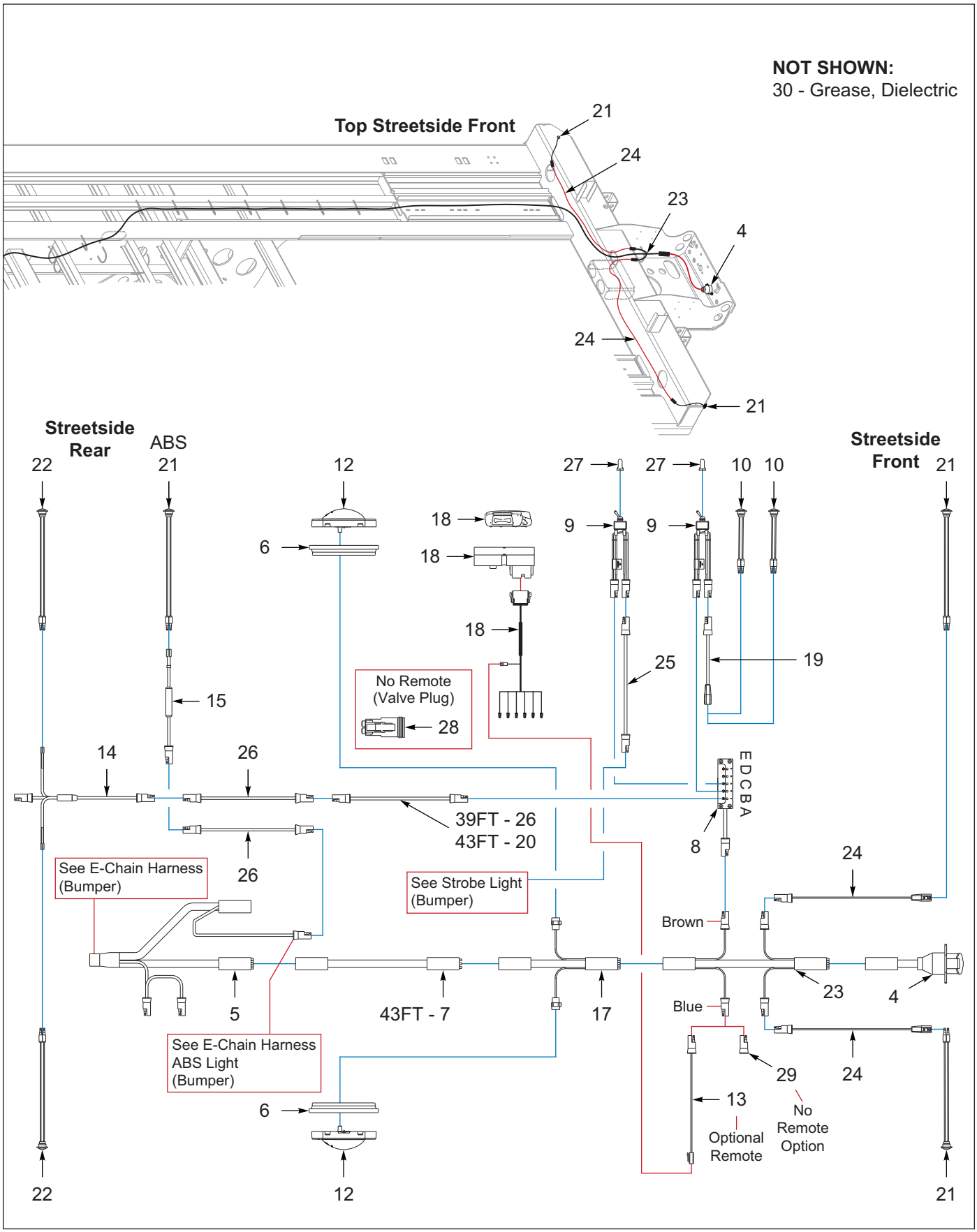


Figure 9-2: Trailer (2 of 2)

Trailer

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-510-010004-03	NUT HX FLANGE, 5/16-18 GR8	2
2	1-654-010049-06	SCREW,H/CAP,5/16-18UNCX1-1/4	2
3	1-861-010032-08	WASHER,FLAT 5/16 N ZP	4
4	143100	HARNESS 7WAY RECP GROTE	1
5	143103	HARNESS ECHAIN GROTE	1
6	143114	GROMMET OVAL GROTE **(BLACK PVC)**	2
6	213296	FLANGE CHROME FLAT OBLONG **(CHROME ABS PLASTIC)**	2
7	143166	HARNESS EXT 48IN GROTE **(43 FT TLR)**	1
8	148874	POWER STRIP, OPTL TRLR FCTN **(INSTALLATION - SEE PAGE 2-8)**	1
9	150117	SWITCH ASSY LIGHT GROTE	2
10	183413	LIGHT,WHT LED .75 CL/MK GROTE	2
11	187833	CLIP HARNESS, CROSS-MEMBER	10
12	187868	LIGHT MID-TURN LED CLEAR LENS **(INSTALLATION - SEE PAGE 2-8)**	2
13	190744	HARNESS POWER FROM TRUCK **(REMOTE OPTION ONLY)**	1
14	200036	HARNESS MARKER LFT SMALL END	1
15	200037	HARNESS ABS LIGHT SHORT	1
16	202929	CLAMP,PART CUSH ALUM,1-1/2 **(INSTALLATION - SEE PAGE 2-1)**	1
17	207255	HARNESS JUMPER 12IN TURN/MKR	1
18	209100	REMOTE KIT BRAND 6 FUNC SLIDE **(REMOTE OPTION ONLY)** **(INSTALLATION - SEE PAGE 2-8)** **(COMPONENTS - SEE PAGE 9-27)**	1
19	213288	HARNESS 12" JUMPER ADAPTER	1
20	235745	HARNESS 144" M/F JUMPER **(43 FT TLR)**	1
21	243367	LIGHT MARKER LED CLEAR AMBER	3
22	243368	LIGHT MARKER LED CLEAR 3/4 RED	2
23	248819	HARNESS MAIN GROTE 260"	1
24	248820	HARNESS 72" JUMPER ADAPTER	2
25	248874	HARNESS 48" JUMPER MALE/FEMALE **(43 FT TLR)**	1
26	3-368-010252	HARNESS ASSY BKHD LIGHT EXT **(39 FT TLR REQ 3 EACH) (43 FT TLR REQ 2 EACH)**	- -
27	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	2
28	194407	PLUG ASSY DUMMY DEUTSCH 2 PIN **(NO REMOTE)**	6
29	143121	DUMMY PLUG MALE/FEM BULLET	- -
30	143123	GREASE DIELECTRIC 4 OZ TUBE	0.5

Table provided for general use.

NOTES:

Bumper Assembly

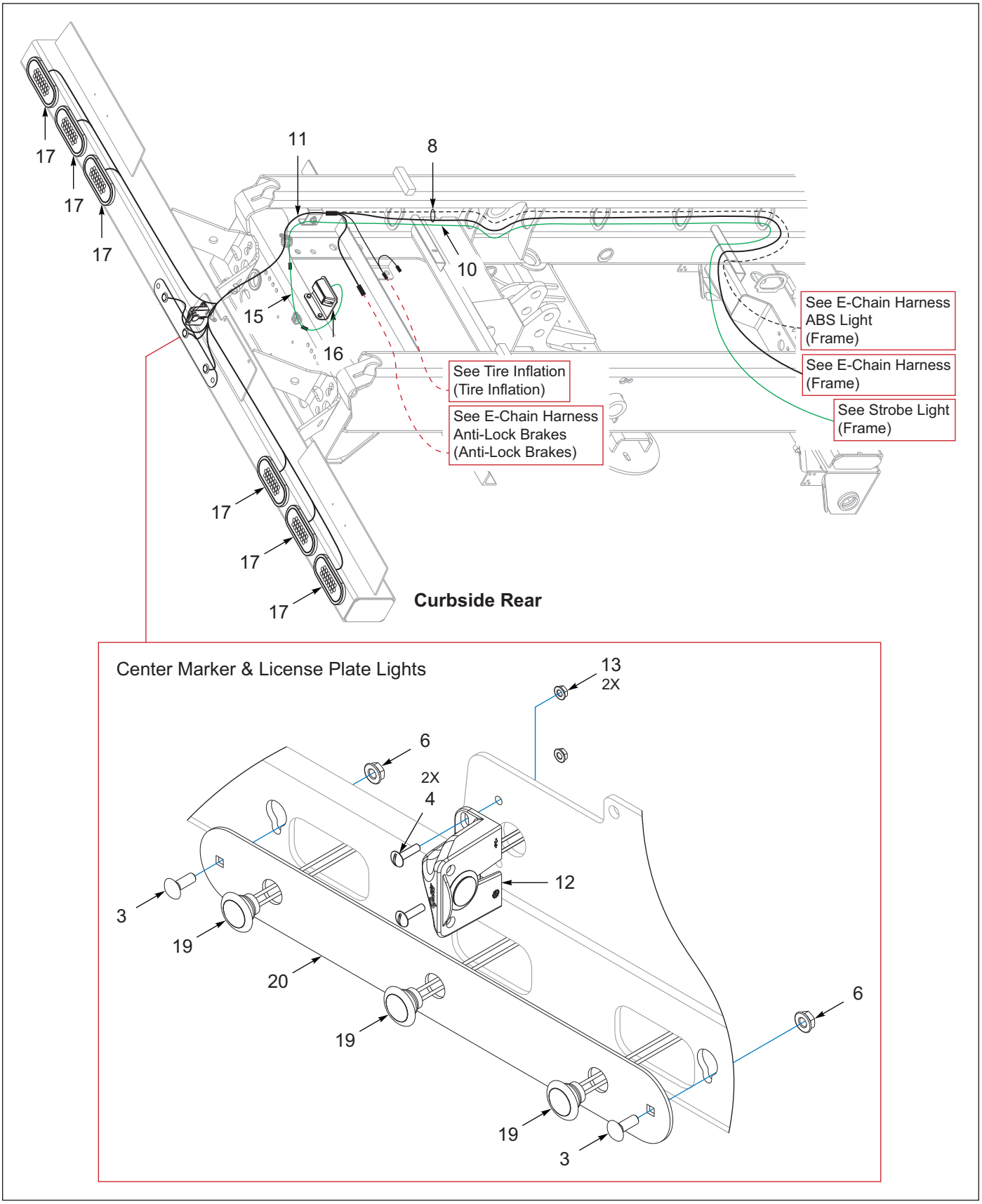


Figure 9-3: Bumper Assembly (1 of 2)

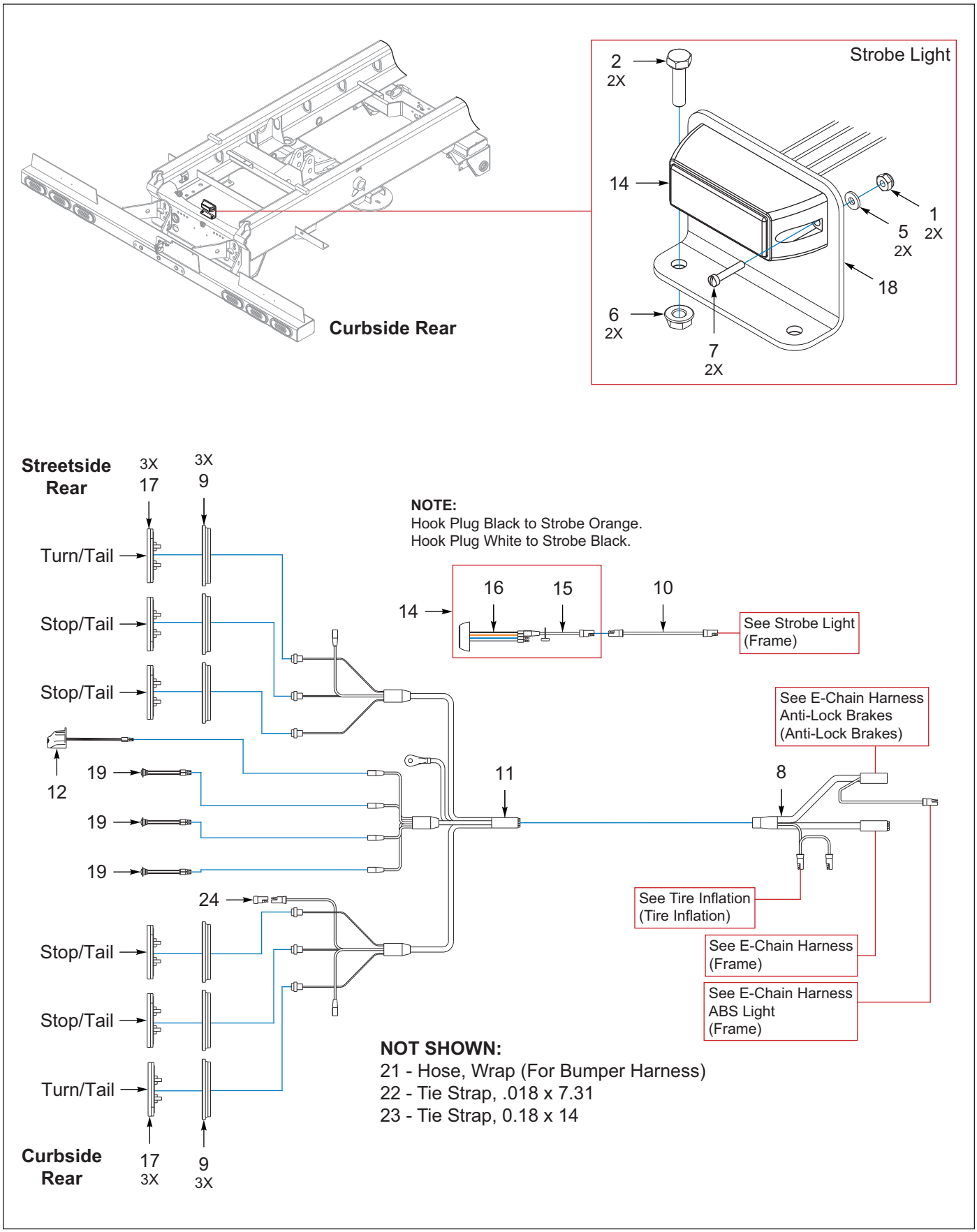


Figure 9-4: Bumper Assembly (2 of 2)

Bumper Assembly

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-512-010003-02	NUT,HEX,SLFLKG W/NYL #6-32	2
2	1-654-010047-06	SCREW,HX CP 1/4-20UNCX1 GR5	2
3	1-654-010158-1	SCREW,RHD,SQ NCK,1/4-20UNCX3/4	2
4	1-656-010003051	SCREW,RH HD MACH 10-24X3/4	2
5	1-861-010032-01	WASHER, FLAT #6 ZP/CD	2
6	108417	NUT SPIRAL 1/4-20HX FG	4
7	122187	SCREW,MACH SLOT FILL 6-32X3/4	2
8	143103	HARNESS ECHAIN GROTE	1
9	143114	GROMMET OVAL GROTE **(BLACK PVC)**	6
9	213296	FLANGE CHROME FLAT OBLONG **(CHROME ABS PLASTIC)**	6
10	150111	HARNESS 300 IN MALE.FEMALE	1
11	187859	HARNESS BUMPER MICRONOVA GRO	1
12	187860	LIGHT ASSY LICENSE LED GROTE **(COMPONENTS - SEE PAGE 9-17)**	1
13	212074	NUT 10-24 FLANGE HD SERRATED	2
14	213294	STROBE ASSY LIGHT W/12"HARNESS **(INCLUDES ITEMS 15-16)**	1
15	213288	HARNESS 12" JUMPER ADAPTER **(INCLUDED WITH ITEM 14)**	1
16	213293	LIGHT STROBE YELLOW CLASS 1 **(INCLUDED WITH ITEM 14)**	1
17	213295	LIGHT CLEAR LENS S/T/T	6
18	221611	BRACKET U/C CENTER STROBE 343A	1
19	243368	LIGHT MARKER LED CLEAR 3/4 RED	3
20	243369	PLATE MTG MICRO ID LTS ALUM	1
21	43029	HOSE WRAP AEROQUIP 1/4 **(BY THE FOOT)** **(USED TO WRAP BUMPER HARNESS)**	3
22	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
23	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -
24	143121	DUMMY PLUG MALE/FEM BULLET	1

Table provided for general use.

NOTES:

Anti-Lock Brakes, 1 Axle, Wabco

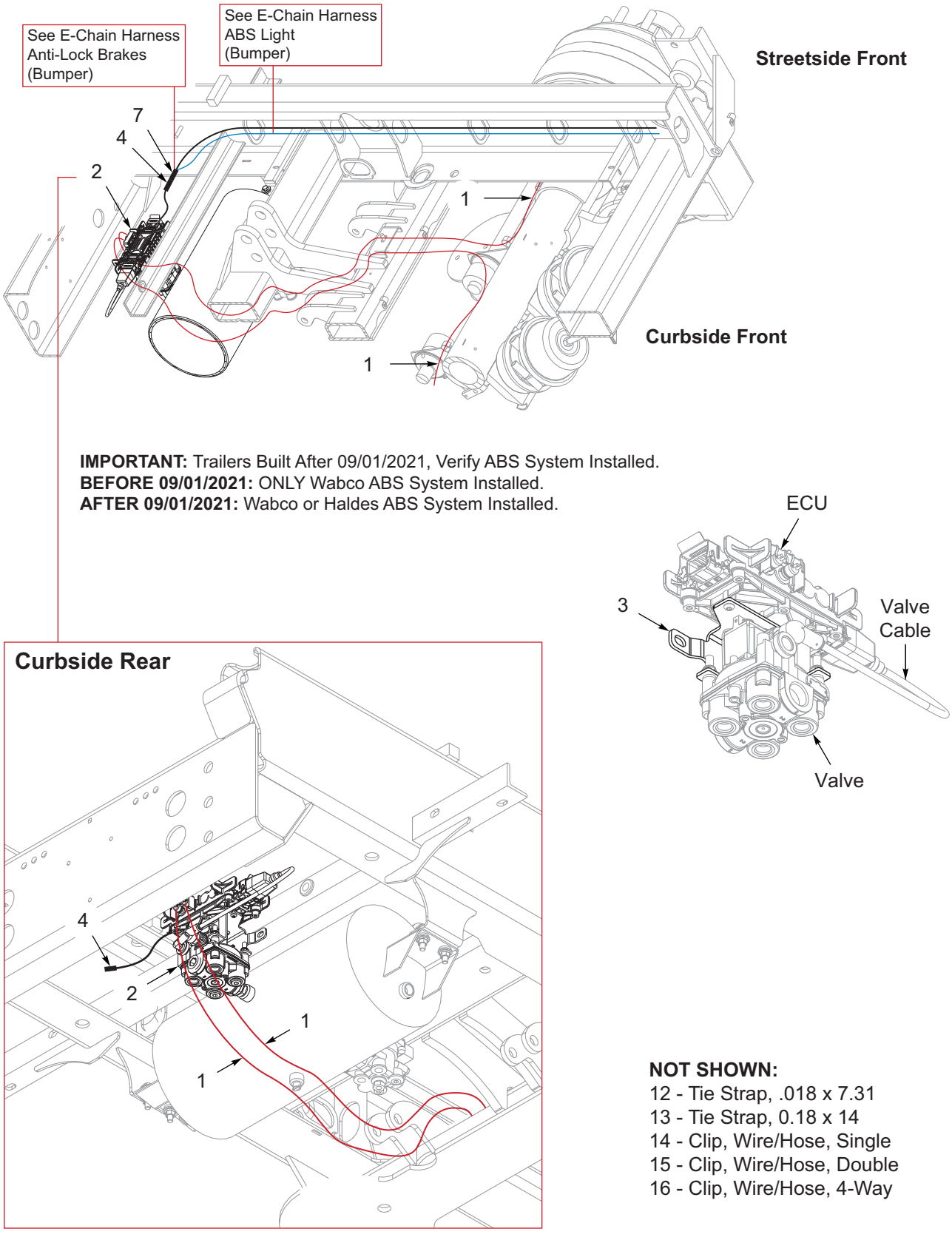


Figure 9-5: Anti-Lock Brakes, 1 Axle, Wabco (1 of 2)

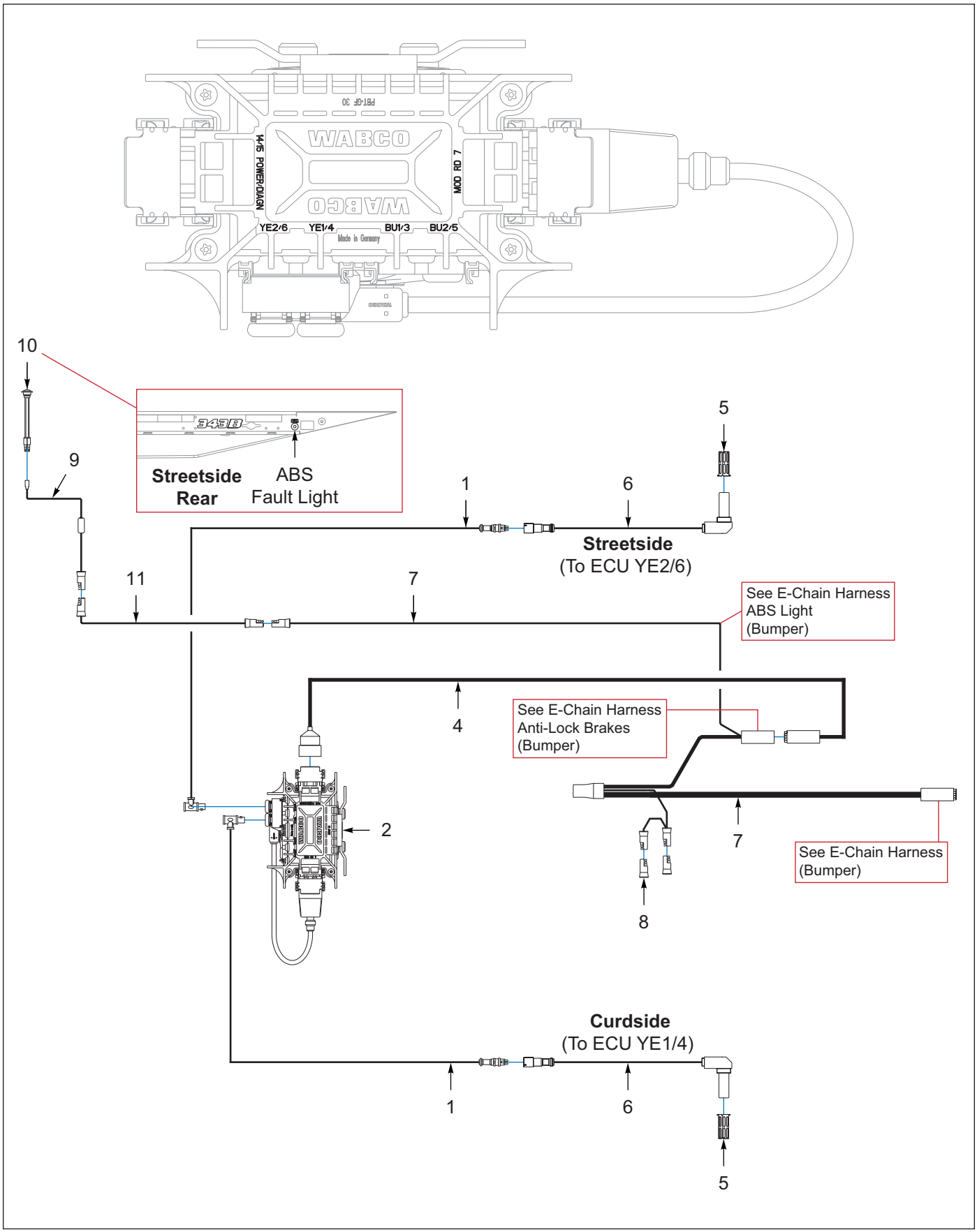


Figure 9-6: Anti-Lock Brakes, 1 Axle, Wabco (2 of 2)

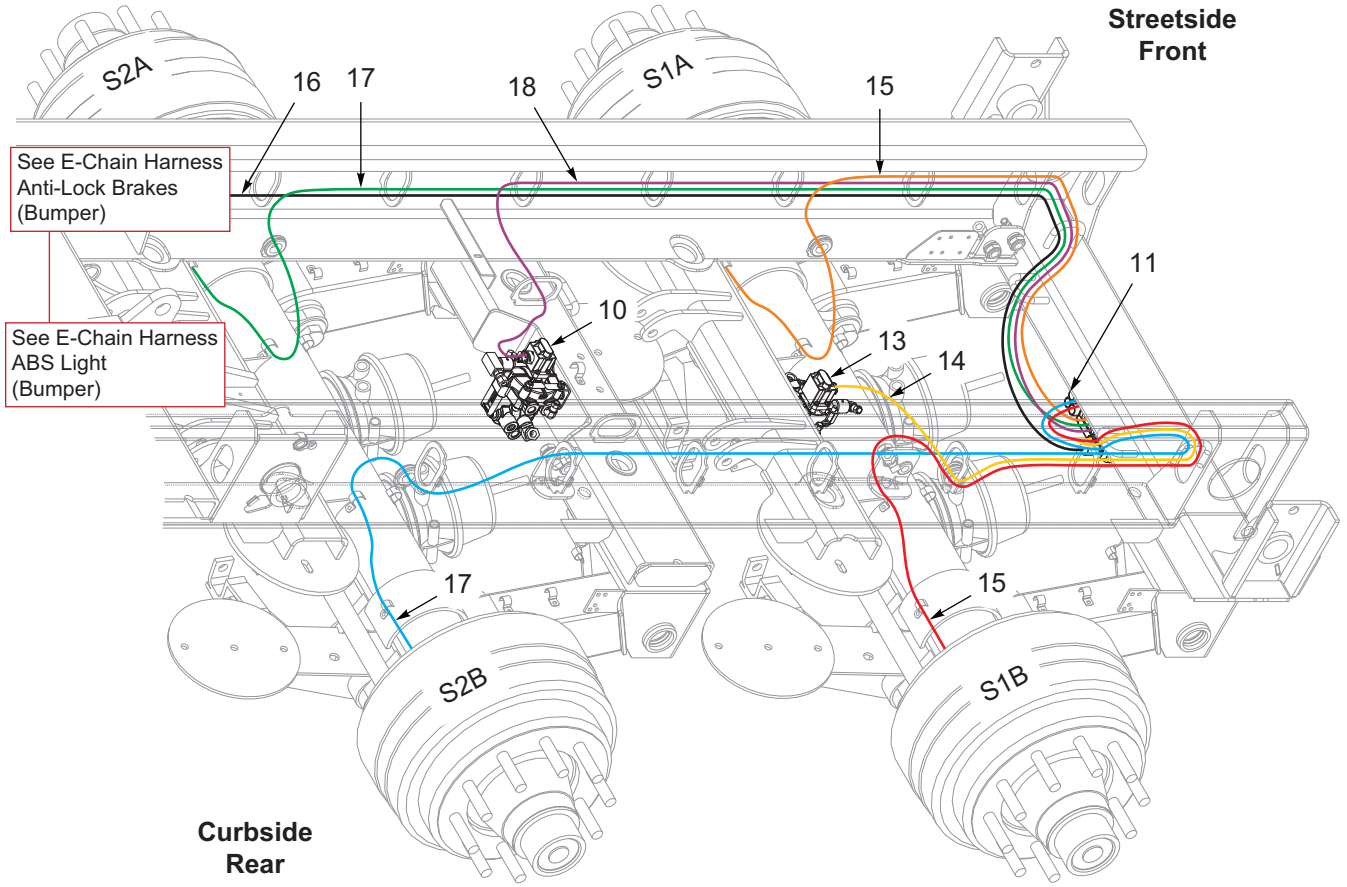
Anti-Lock Brakes, 1 Axle, Wabco

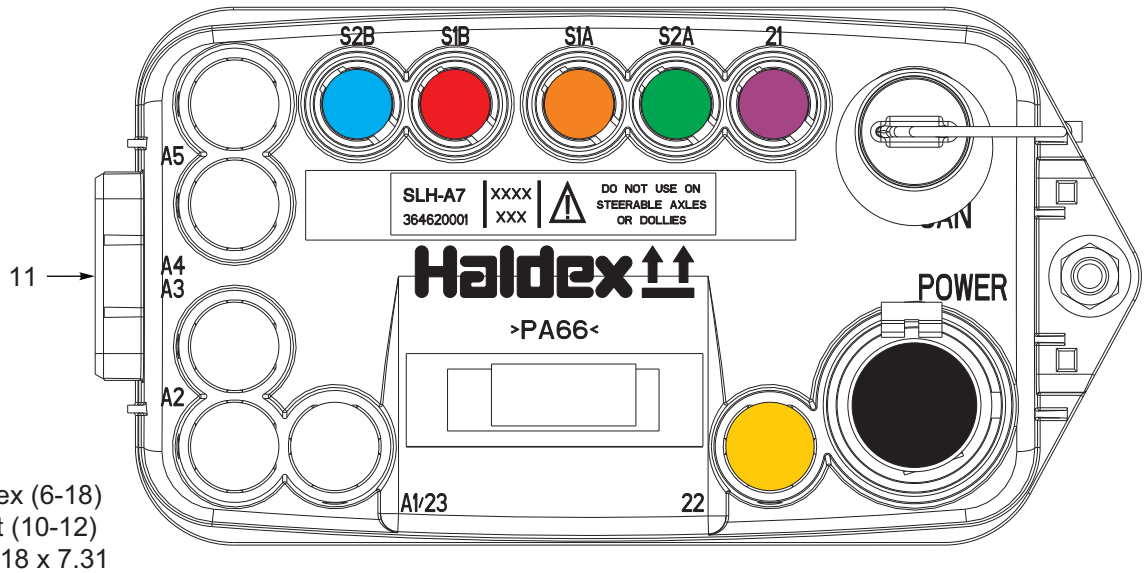
ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
1	103861	SENSOR EXT CABLE-3M (10FT)	2
2	114589	ECU/VALVE ASSEMBLY 2S/1M **(INCLUDES ITEM 3)** **(AIR SYSTEM - SEE PAGE 8-5)**	1
3	238198	MOUNTING BRKT F/114585 **(INCLUDED WITH ITEM 2)**	1
4	248880	POWER CABLE ABS WABCO 0.50M	1
5	101849	ABS SENSOR SPRING CLIP	2
6	101847	ABS SENSOR CABLE-.4M (1FT) **(DRUM BRAKES) (1 FOOT)**	2
6	251219	ABS SNSR 0.5M STRAIGHT HALDEX **(DISC BRAKES) (1.5 FOOT)**	2
7	143103	HARNESS ECHAIN GROTE	1
8	143121	DUMMY PLUG MALE/FEM BULLET	2
9	200037	HARNESS ABS LIGHT SHORT	1
10	243367	LIGHT MARKER LED CLEAR AMBER	1
11	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	1
12	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
13	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -
14	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE	12
15	239148	CLIP,3/8 AIR HOSE SEPERATOR	10
16	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS	3

Table provided for general use.

NOTES:

Anti-Lock Brakes, 2 Axle, Haldex





NOT SHOWN:
5 - ABS Kit Haldex (6-18)
9 - ABS Valve Kit (10-12)
26 - Tie Strap, .018 x 7.31
27 - Tie Strap, 0.18 x 14
28 - Clip, Wire/Hose, Single
29 - Clip, Wire/Hose, Double
30 - Clip, Wire/Hose, 4-Way

IMPORTANT: Trailers Built After 09/01/2021, Verify ABS System Installed.
Before 09/01/2021: Only Wabco ABS Systems Installed.
After 09/01/2021: Wabco or Haldex ABS Systems Installed.

Figure 9-7: Anti-Lock Brakes, 2 Axle, Haldex (1 of 3)

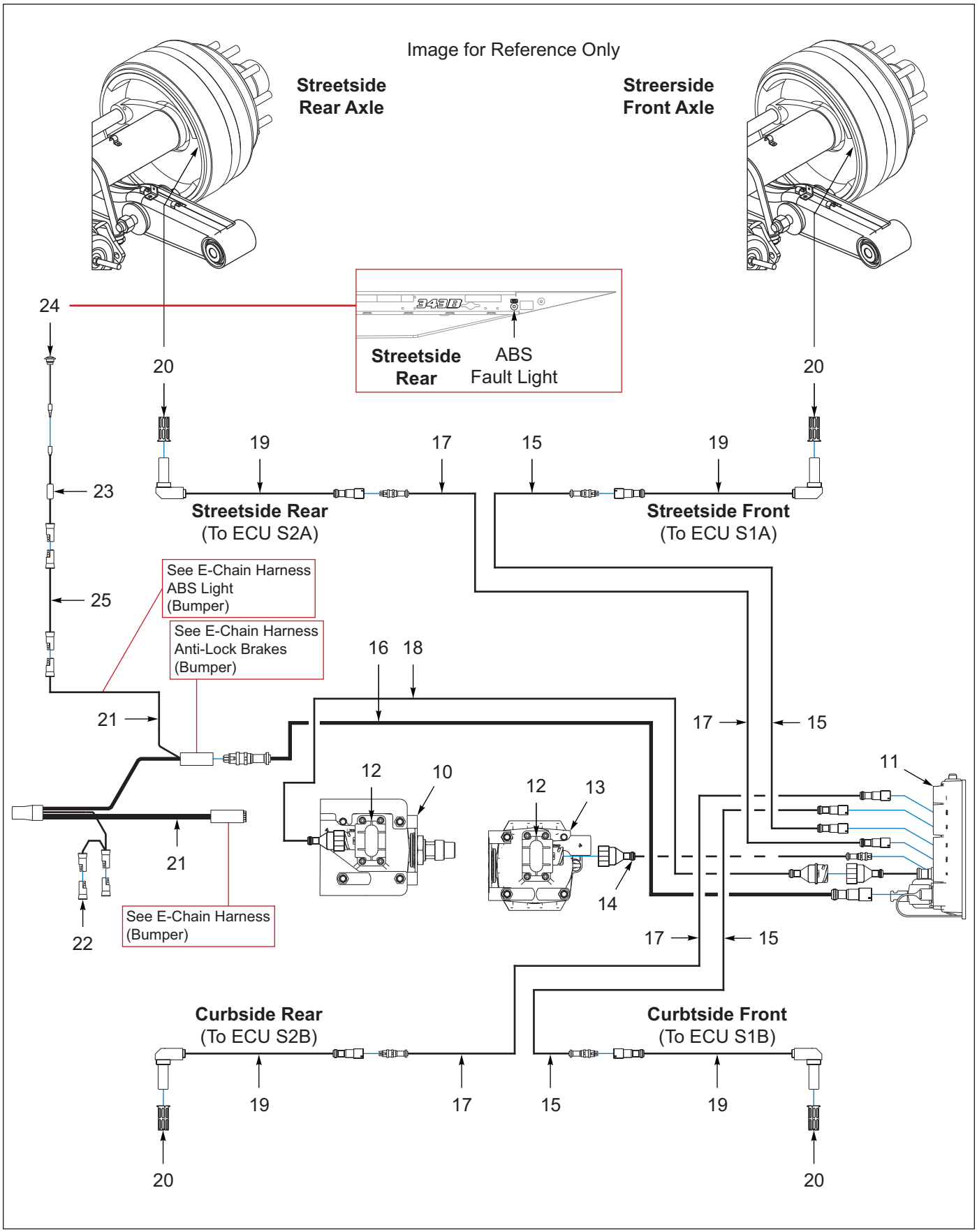
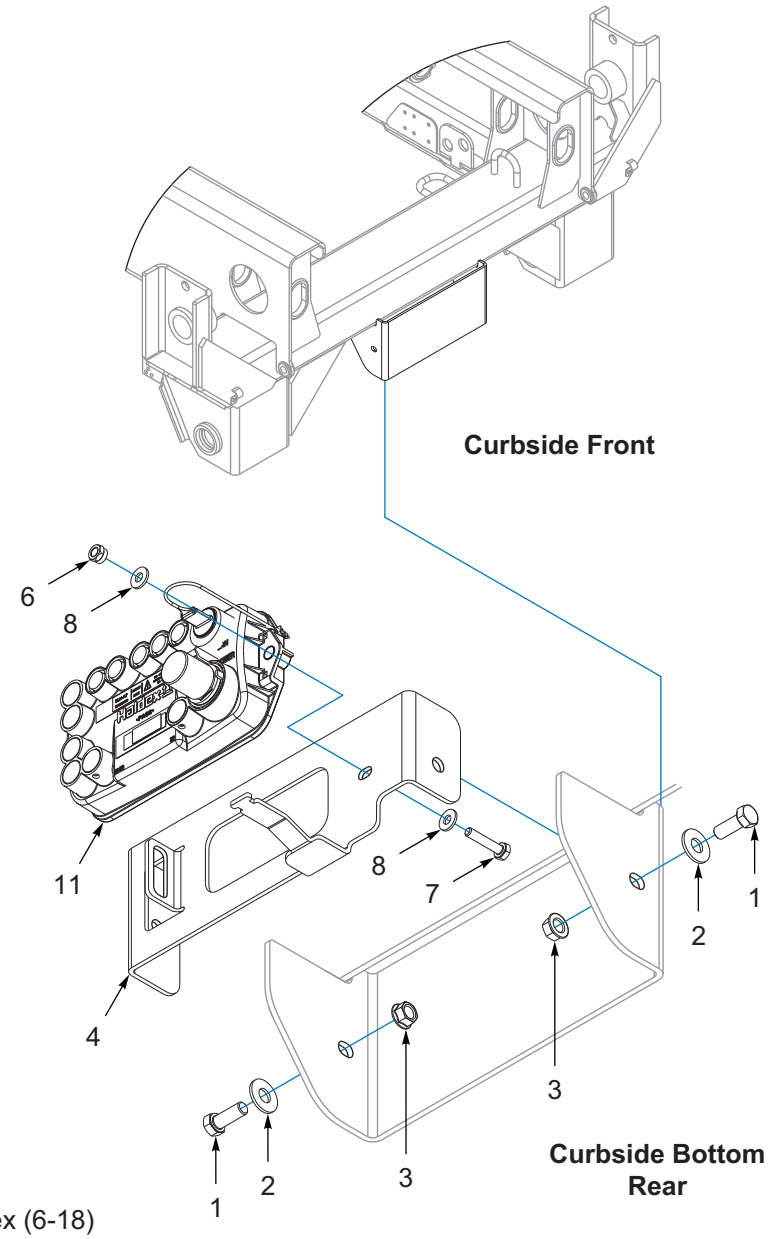


Figure 9-8: Anti-Lock Brakes, 2 Axle, Haldex (2 of 3)



NOT SHOWN:
5 - ABS Kit Haldex (6-18)
9 - ABS Valve Kit (10-12)
26 - Tie Strap, .018 x 7.31
27 - Tie Strap, 0.18 x 14
28 - Clip, Wire/Hose, Single
29 - Clip, Wire/Hose, Double
30 - Clip, Wire/Hose, 4-Way

IMPORTANT: Trailers Built After 09/01/2021, Verify ABS System Installed.
Before 09/01/2021: Only Wabco ABS Systems Installed.
After 09/01/2021: Wabco or Haldex ABS Systems Installed.

Figure 9-9: Anti-Lock Brakes, 2 Axle, Haldex (3 of 3)

Anti-Lock Brakes, 2 Axle, Haldex

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-654-010051-05	SCREW,HEX CAP 3/8-16UNCX1 GR5	2
2	1-861-010032-11	WASHER, FLAT 3/8 W ZP/CD	2
3	107470	NUT,SPIRALOCK 3/8-16HX	2
4	245987	BRKT HALDEX ECU MOUNT 440	1
5	246058	ABS KIT HALDEX 4S/2M NO BRKT **(INCLUDES ITEMS 6-18)**	1
6	1-512-010005-01	NUT,HEX,SLFLKG GRB 1/4-20 **(INCLUDED WITH ITEM 5)**	1
7	1-654-010047-07	SCREW,HX CP 1/4-20UNCX1-1/4G5 **(INCLUDED WITH ITEM 5)**	1
8	1-861-010032-06	WASHER, FLAT 1/4 N ZP/CD **(INCLUDED WITH ITEM 5)**	2
9	232778	ABS VALVE 4S/2M ECU HALDEX **(INCLUDED WITH ITEM 5)** **(INCLUDES ITEMS 10-12)**	1
10	239691	ABS VALVE FFABS 2 SER/4SPG BK **(ABS VALVE BODY ONLY, W/ SOLENOID)** **(INCLUDED WITH ITEMS 5, 9) (AIR SYSTEM - SEE PAGE 8-9)**	1
11	240509	ECU ONLY HALDEX ABS **(SOLENOID CABLE ATTACHED)** **(INCLUDED WITH ITEMS 5, 9)**	1
12	240510	SOLENOID KIT HALDEX ABS VALVE **(REPLACEMENT SOLENOID ONLY)** **(INCLUDED WITH ITEMS 10-11)**	1
13	232779	RELAY VALVE ABS 12V HALDEX **(INCLUDED WITH ITEM 5)** **(AIR SYSTEM - SEE PAGE 8-9)**	1
14	232780	HARNESS RELAY VALVE ABS HALDEX **(INCLUDED WITH ITEM 5)**	1
15	232782	SENSOR EXT. ABS 2M HALDEX **(INCLUDED WITH ITEM 5)**	2
16	232783	CABLE ABS POWER 4M HALDEX **(INCLUDED WITH ITEM 5)**	1
17	246059	SENSOR EXTENSION ABS 4M HALDEX **(INCLUDED WITH ITEM 5)**	2
18	246060	ABS VALVE EXTN CBL 4M HALDEX **(INCLUDED WITH ITEM 5)**	1
19	101847	ABS SENSOR CABLE-.4M (1FT) **(DRUM BRAKES ONLY, SENSOR SPRING CLIPS SOLD SEPERATELY)**	4
19	251219	ABS SNSR 0.5M STRAIGHT HALDEX **(DISC BRAKES ONLY, SENSOR SPRING CLIPS SOLD SEPERATELY)**	4
20	101849	ABS SENSOR SPRING CLIP	4
21	143103	HARNESS ECHAIN GROTE	1
22	143121	DUMMY PLUG MALE/FEM BULLET	2
23	200037	HARNESS ABS LIGHT SHORT	1
24	243367	LIGHT MARKER LED CLEAR AMBER	1
25	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	1
26	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
27	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -
28	239147	CLIP,ABS SENSR WIRE.38-.5 HOSE **(SINGLE)**	12
29	239148	CLIP,3/8 AIR HOSE SEPERATOR **(DOUBLE)**	10
30	248263	CLIP,4WAY ABS SENSR WIRE3/8HOS **(4-WAY)**	3

Light Assembly, License Plate

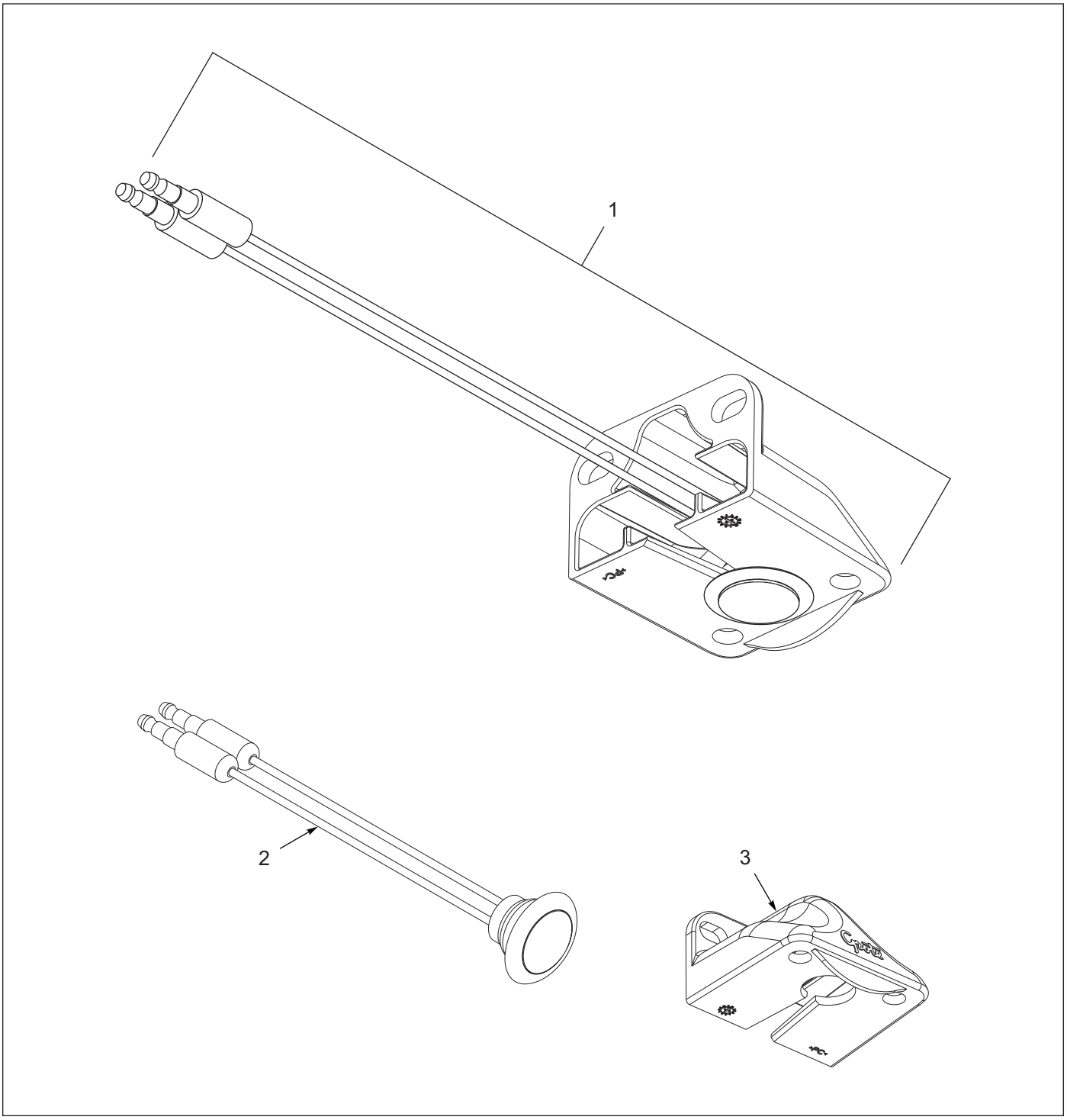


Figure 9-10: Light Assembly, License Plate

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 Kit, Spare (Option)

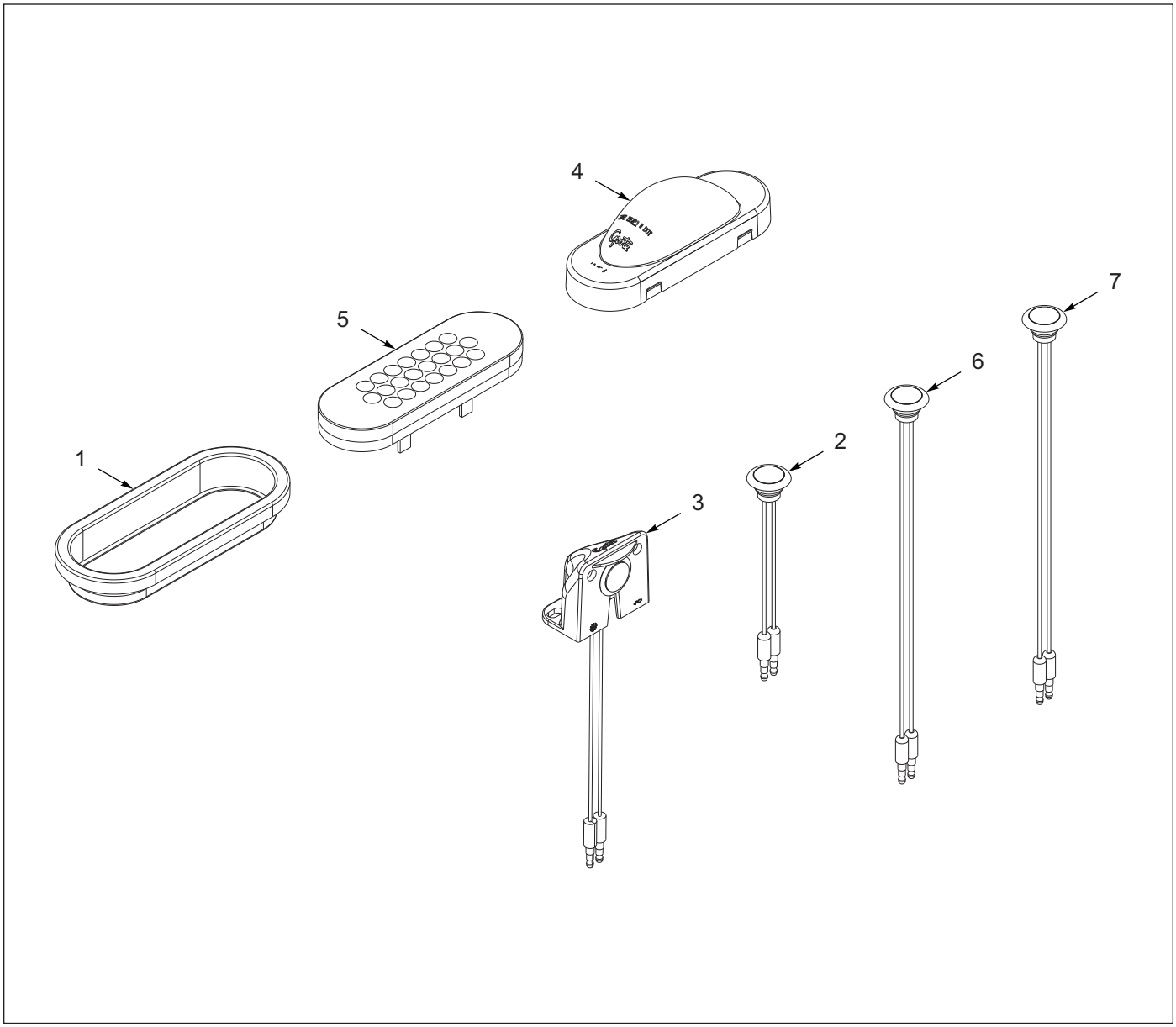


Figure 9-11: Light Kit, Spare (Option)

Light Kit, Spare (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	246956	SPARE LIGHT KIT 343B **(INCLUDES ITEMS 1-7)**	1
1	143114	GROMMET OVAL GROTE **(BLACK PVC)**	1
2	183413	LIGHT,WHT LED .75 CL/MK GROTE **(FOR: CONTROL PANEL, LICENSE PLATE, TIS FAULT LIGHTS)**	1
3	187860	LIGHT ASSY LICENSE LED GROTE **(COMPONENTS - SEE PAGE 9-17)**	1
4	187868	LIGHT MID-TURN LED CLEAR LENS	1
5	213295	LIGHT CLEAR LENS S/T/T	1
6	243367	LIGHT MARKER LED CLEAR AMBER	1
7	243368	LIGHT MARKER LED CLEAR 3/4 RED	1

Light Stand, Folding, Strobe Beacon & Work Lights (Option)

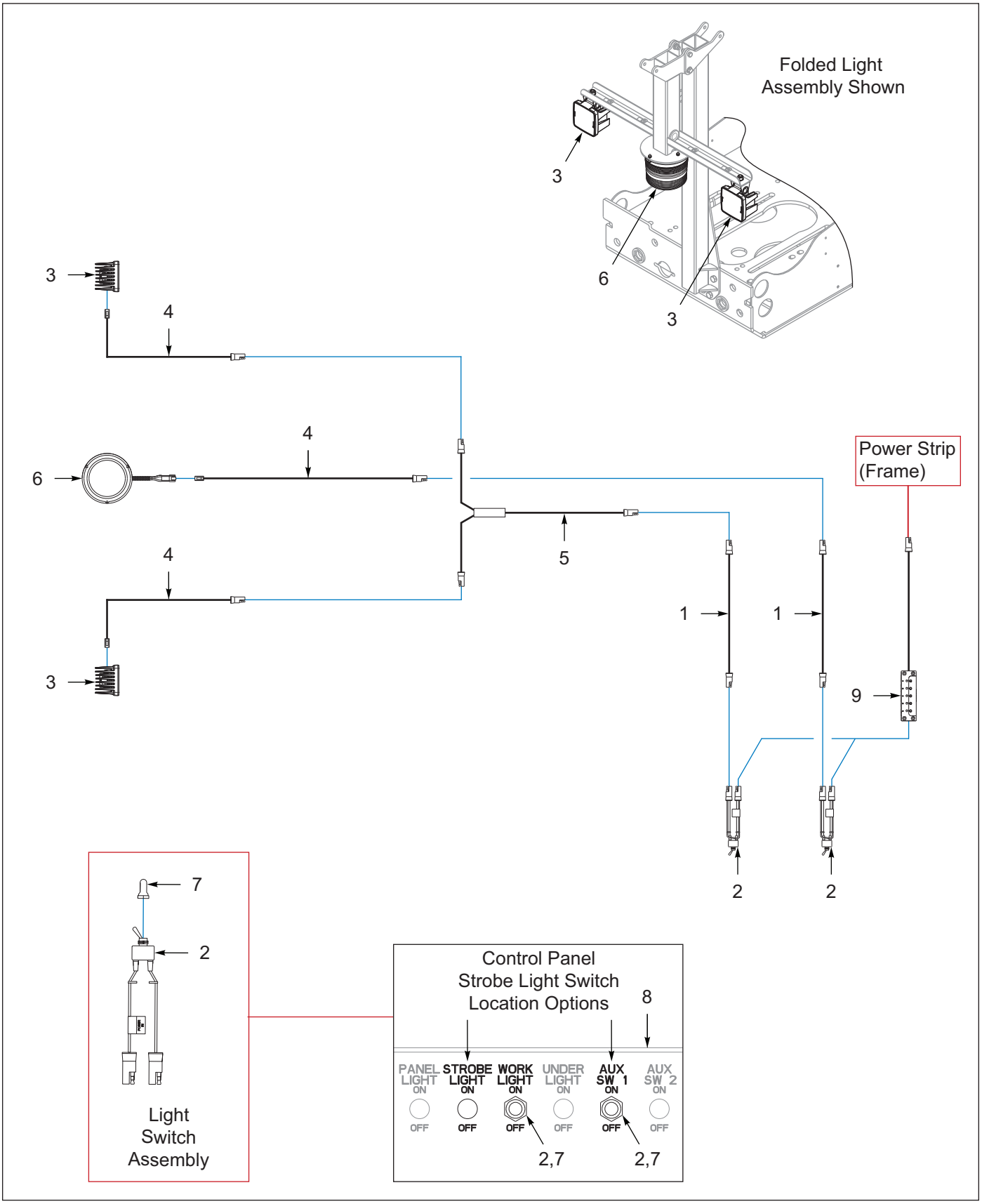
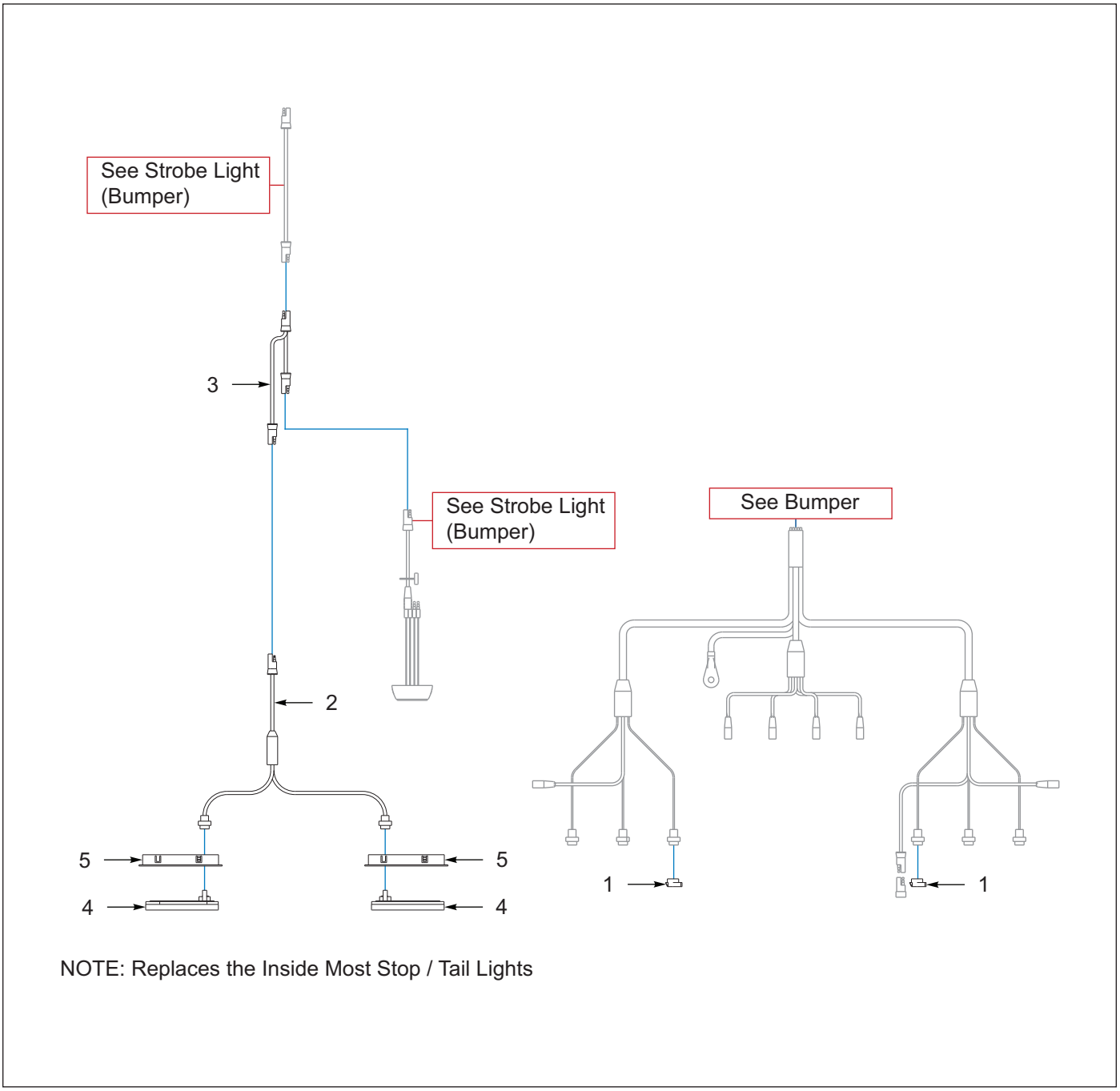


Figure 9-12: Light Stand, Folding, Strobe Beacon & Work Lights (Option)

Light Stand, Folding, Strobe Beacon & Work Lights (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	246960	INSTL STRB BCN & 2 WKLTS 343B	- -
1	150111	HARNESS 300 IN MALE.FEMALE	2
2	150117	SWITCH ASSY LIGHT GROTE	2
3	163996	LIGHT,12V SQUARE LED FLOOD **(INCLUDES MOUNTING HARDWARE)** **(INSTALLATION - SEE PAGE 2-25)**	2
4	164052	HARNESS 60" 2 PIN DEUTSCH	3
5	169853	HARNESS T PWR BRANCH	1
6	184501	STROBE BEACON DEUTSCH CONN **(INSTALLATION - SEE PAGE 2-25)**	1
7	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1
8	243398	PLACARD CONTROL PANEL 343B **(DECALS - SEE PAGE 1-1)**	- -
9	148874	POWER STRIP, OPTL TRLR FCTN **(INSTALLATION - SEE PAGE 2-9)**	- -

Lights, Strobe, Bumper (Option)



NOTE: Replaces the Inside Most Stop / Tail Lights

Figure 9-13: Lights, Strobe, Bumper (Option)

Lights, Strobe, Bumper (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	- - - - -	GROMMET OVAL **(SEE BUMPER ASSEMBLY - SEE PAGE 9-5)**	2

Table provided for general use.

NOTES:

Lights, Work, Bulkhead Accessory Rack (Option)

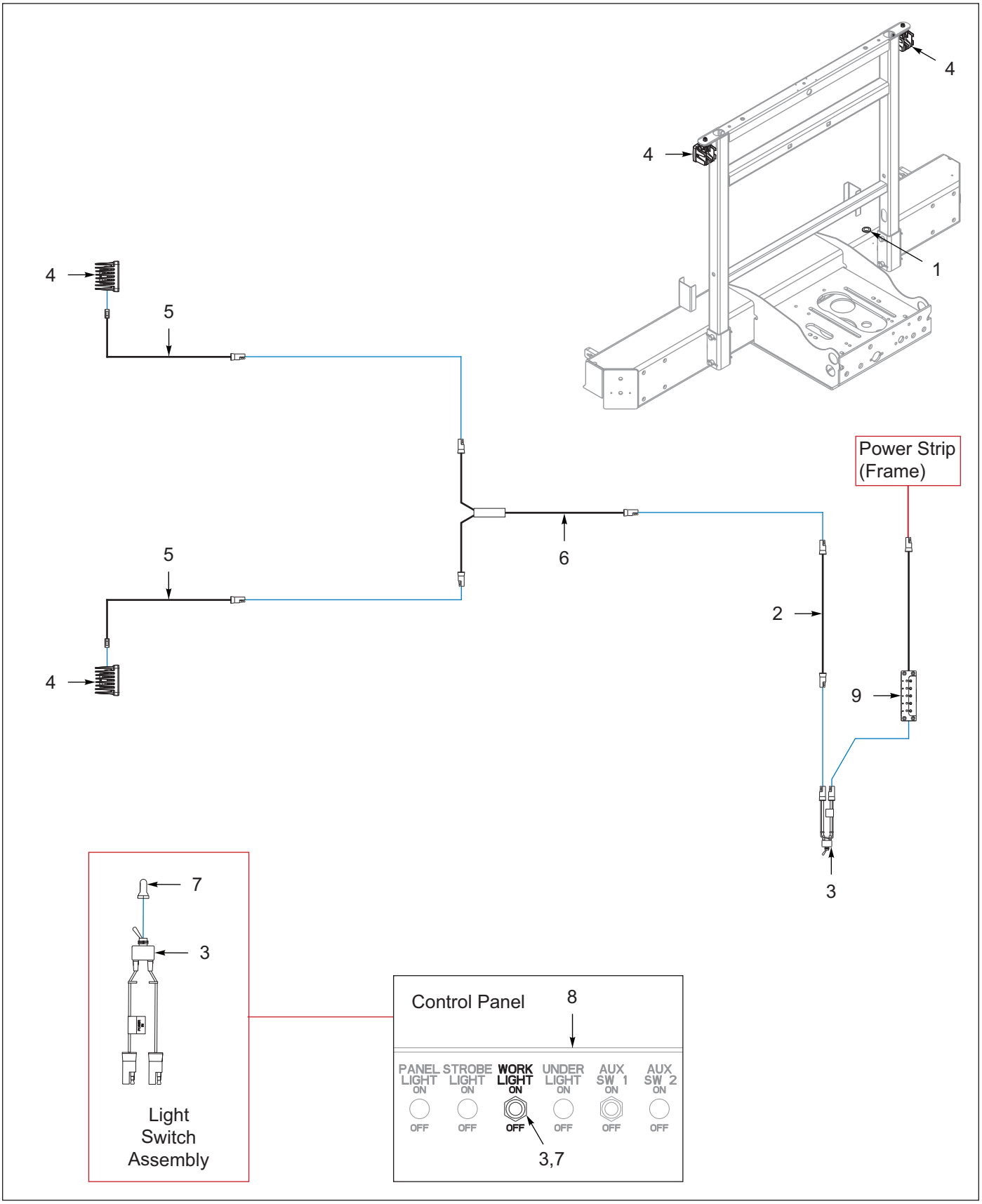


Figure 9-14: Lights, Work, Bulkhead, Accessory Rack (Option)

Lights, Work, Bulkhead Accessory Rack (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	221609	WORK LIGHT INSTL ACC. RACK 343	- -
1	1-343-010011	GROMMET 3/8	1
2	150111	HARNESS 300 IN MALE.FEMALE	1
3	150117	SWITCH ASSY LIGHT GROTE	1
4	163996	LIGHT,12V SQUARE LED FLOOD **(INCLUDES MOUNTING HARDWARE)**	2
5	164052	HARNESS 60" 2 PIN DEUTSCH	2
6	169853	HARNESS T PWR BRANCH	1
7	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1
8	243398	PLACARD CONTROL PANEL 343B **(DECALS - SEE PAGE 1-1)**	- -
9	148874	POWER STRIP, OPTL TRLR FCTN **(INSTALLATION - SEE PAGE 2-9)**	- -

Lights, Work Zone, Underdeck (Option)

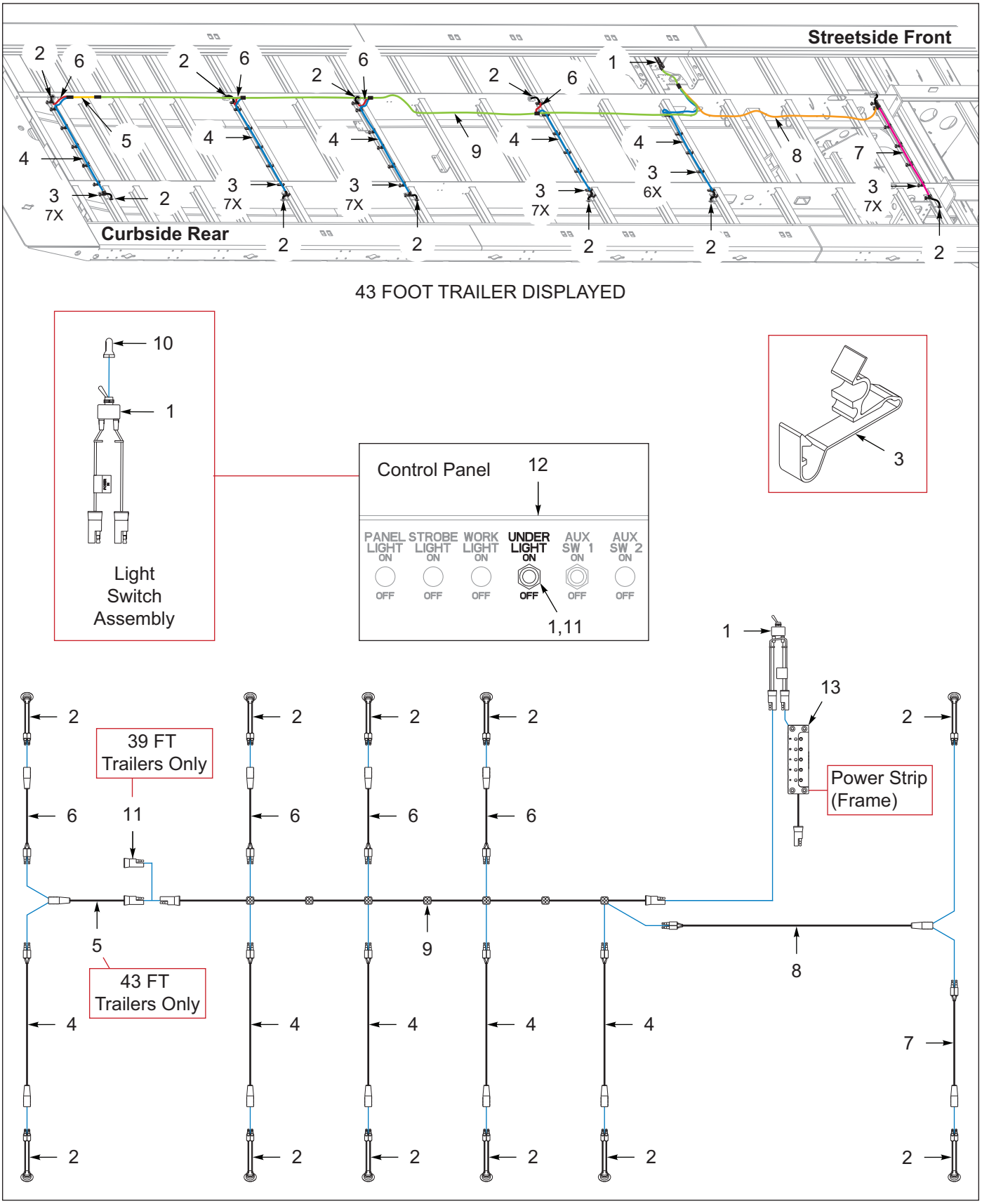


Figure 9-15: Lights, Work Zone, Underdeck (Option)

Lights, Work Zone, Underdeck (Option)

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248915	INSTALL WORK ZONE LTS 343B-39 **(39 FT TRL)**	- -
	246958	INSTALL WORK ZONE LTS 343B-43 **(43 FT TRL)**	- -
1	150117	SWITCH ASSY LIGHT GROTE	1
2	183413	LIGHT,WHT LED .75 CL/MK GROTE **(39 FT TRL REQ 9 EACH) (43 FT TRL REQ 11 EACH)**	REF
3	187833	CLIP HARNESS, CROSS-MEMBER **(39 FT TRL REQ 34 EACH) (41 FT TRL REQ 41 EACH)**	REF
4	204194	HARNESS MARKER EXT. 60" **(39 FT TRL REQ 4 EACH) (43 FT TRL REQ 5 EACH)**	REF
5	213288	HARNESS 12" JUMPER ADAPTER **(43 FT TRL ONLY)**	1
6	213290	HARNESS 6" MKR EXTENSION **(39 FT TRL REQ 3 EACH) (43 FT TRL REQ 4 EACH)**	REF
7	225260	HARNESS,48" MKR EXTENSION	1
8	225262	HARNESS,84" MKR EXTENSION	1
9	225264	HARNESS,MKR JUMPER,7 LEAD	1
10	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1
11	143121	DUMMY PLUG MALE/FEM BULLET **(39 FT TRL ONLY)**	REF
12	243398	PLACARD CONTROL PANEL 343B **(DECALS - SEE PAGE 1-1)**	- -
13	148874	POWER STRIP, OPTL TRLR FCTN **(INSTALLATION - SEE PAGE 2-9)**	- -

Remote Control, Wireless, Brand (Option)

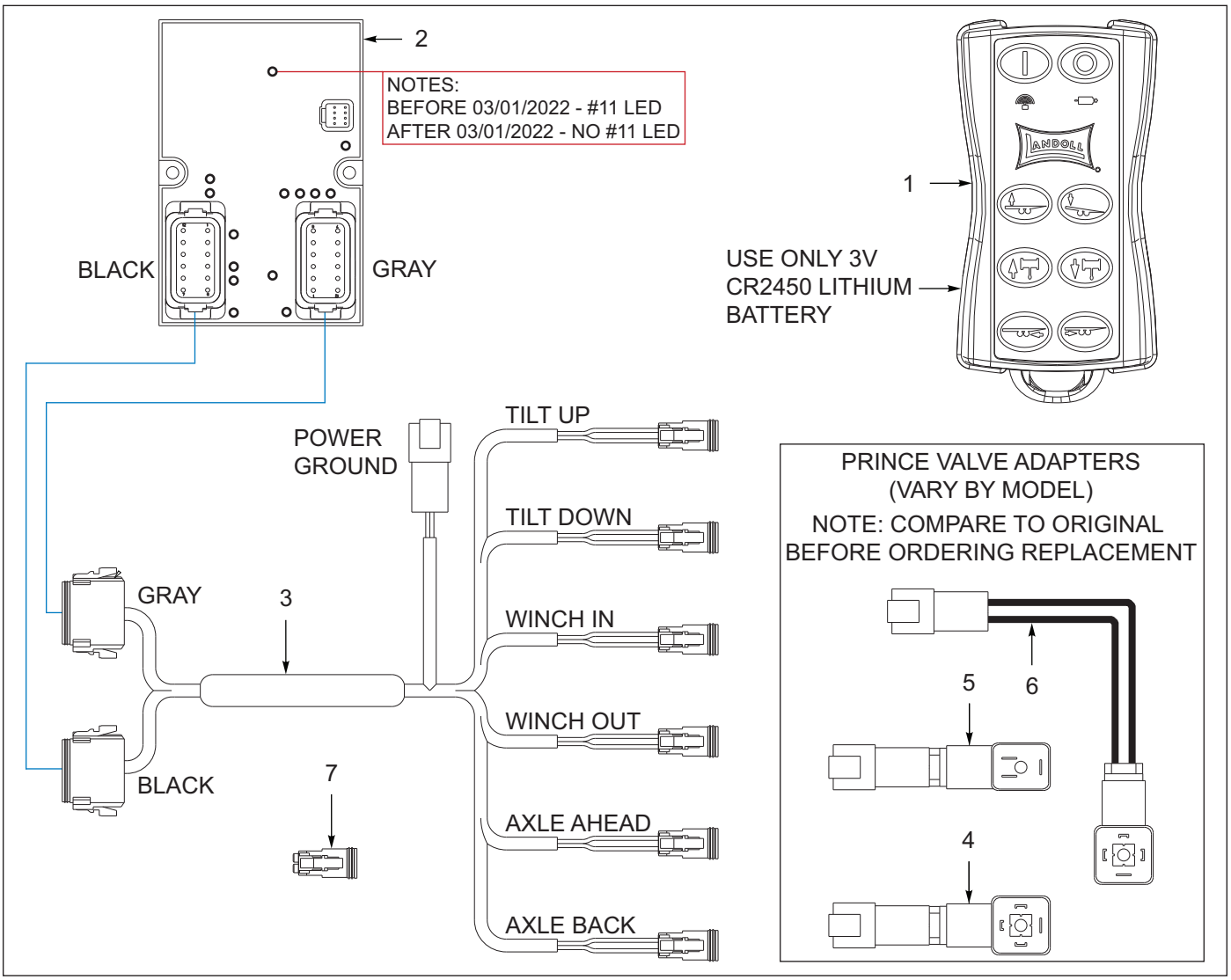


Figure 9-16: Remote Control, Wireless, Brand (Options)

Remote Control, Wireless, Brand (Option)

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)**	- -

Table provided for general use.

NOTES:

Tire Inflation, 1 Axle

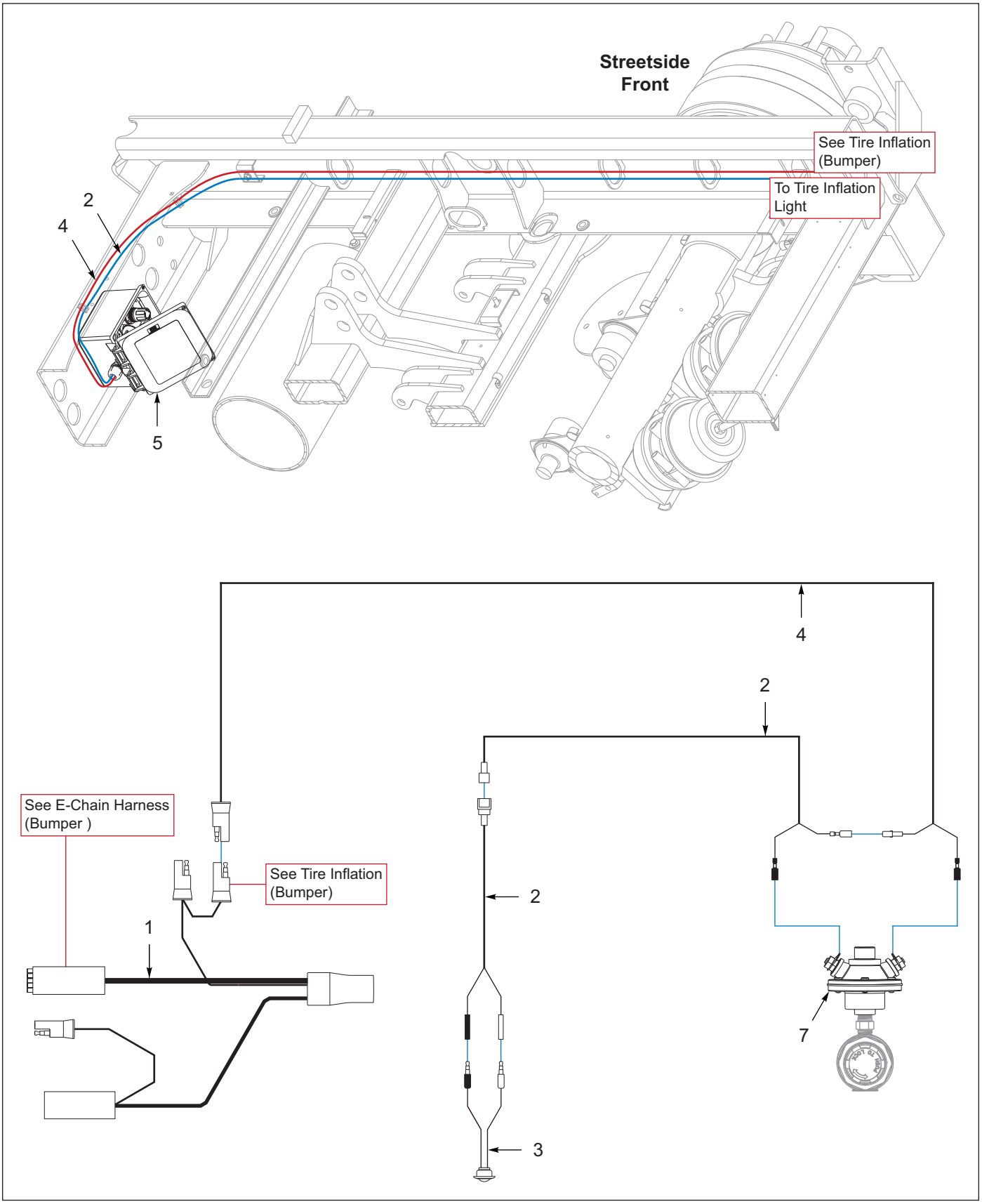
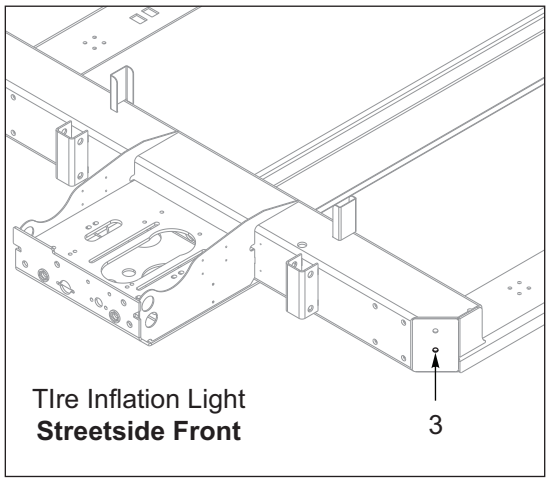


Figure 9-17: Tire Inflation, 1 Axle (1 of 2)



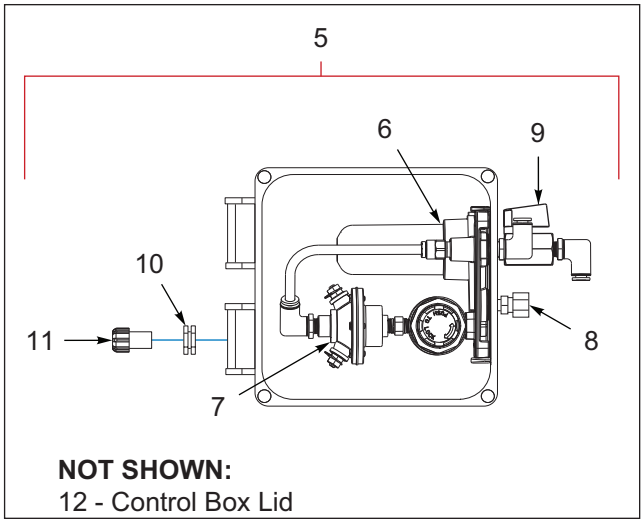


Figure 9-18: Tire Inflation, 1 Axle (2 of 2)

Tire Inflation, 1 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223301	TIRE INFLATION SYS 1 AXLE	- -
	201030	THERMALERT TIS 1 AXLE	- -
1	143103	HARNESS ECHAIN GROTE	- -
2	168613	THERMALERT WIRING HARNESS	1
3	183413	LIGHT,WHT LED .75 CL/MK GROTE	1
4	202207	HARNESS MOD, TIS POWER ASSY	1
5	168618	THERMALERT CONTROL BOX **(INCLUDES ITEMS 6-12)** **(AIR SYSTEM - SEE PAGE 8-21)**	1
6	230613	TIS MANIFOLD ASSY (NEW STYLE) **(INCLUDED WITH ITEM 5)** **(INCLUDES PARTICULATE FILTER / BOWL, PRESSURE REGULATOR, GASKET, 4 SCREWS & 8 INCH AIR LINE)**	1
7	180229	FLOW SENSING SWITCH **(INCLUDED WITH ITEM 5)** **(AIR SYSTEM - SEE PAGE 8-21)**	1
8	180225	PETCOCK **(INCLUDED WITH ITEM 5)** **(AIR SYSTEM - SEE PAGE 8-21)**	1
9	180223	SHUT-OFF VALVE **(INCLUDED WITH ITEM 5)** **(AIR SYSTEM - SEE PAGE 8-21)**	1
10	106-0006	NUT 1/2 CONDUIT STL **(INCLUDED WITH ITEM 5)**	1
11	20125	STRAIN RELIEF, 1/4TO3/8 **(INCLUDED WITH ITEM 5)**	1
12	216705	CONTROL BOX LID **(INCLUDED WITH ITEM 5)**	1

Tire Inflation, 2 Axle

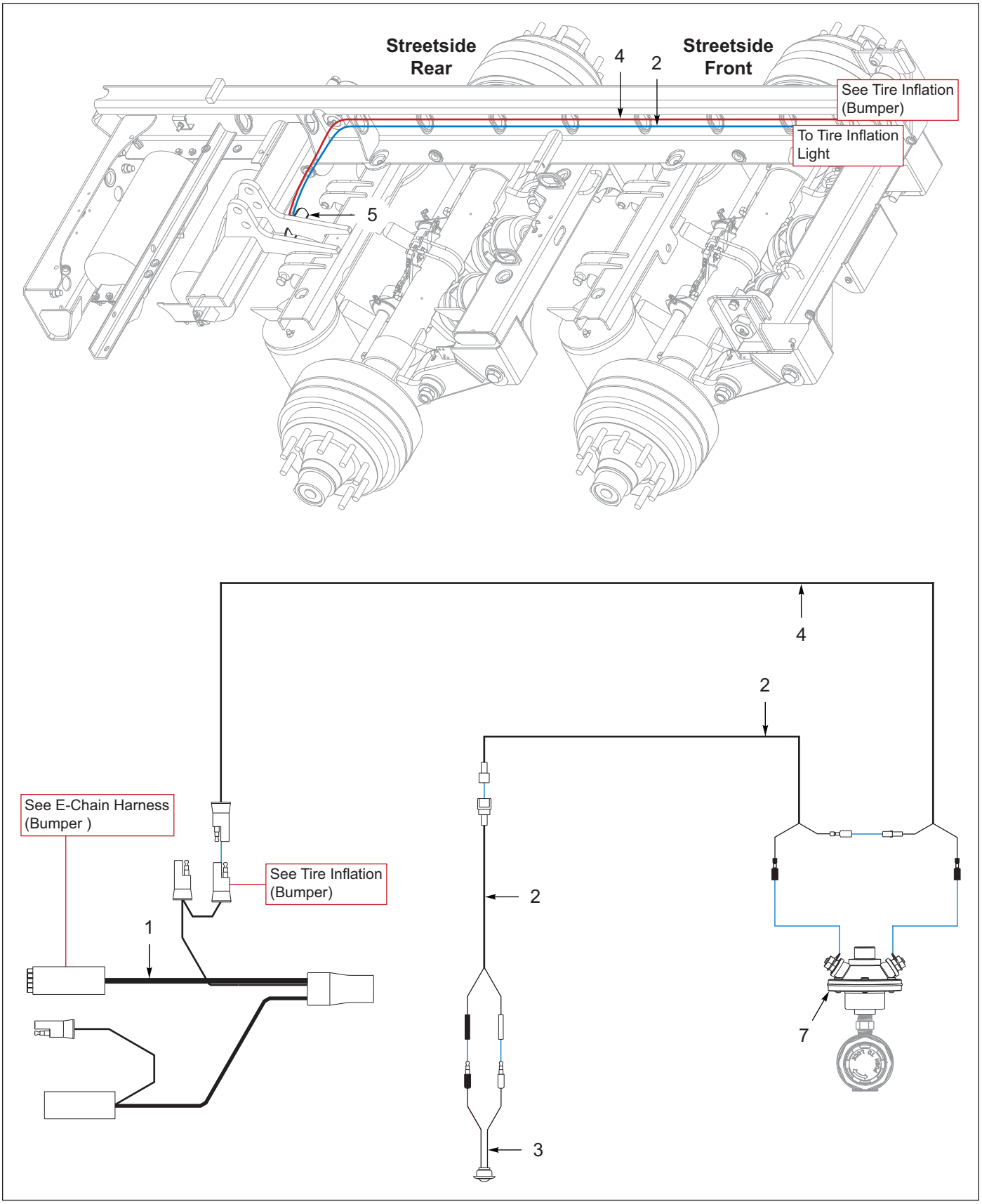
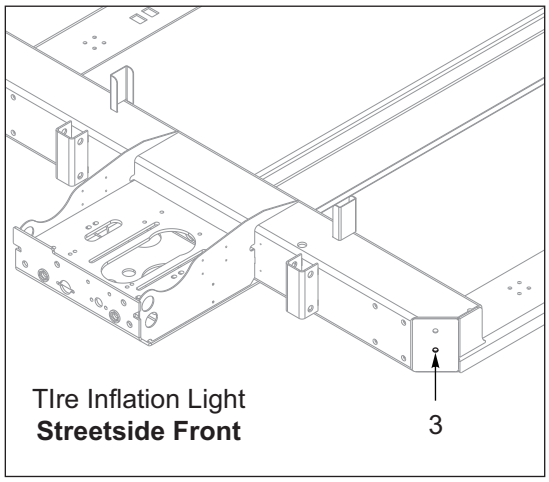


Figure 9-19: Tire Inflation, 2 Axle (1 of 2)



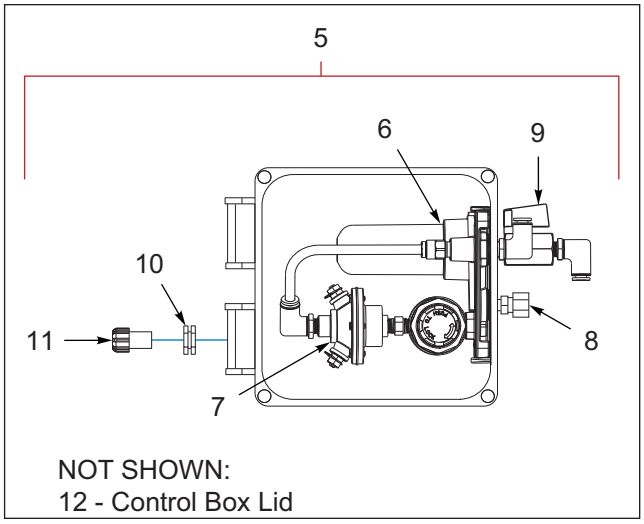


Figure 9-20: Tire Inflation, 2 Axle (2 of 2)

Tire Inflation, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	223304	2 AXLE TIS TRAVELING AXLE	- -
	168593	THERMALERT TIS 2 AXLE	- -
1	143103	HARNESS ECHAIN GROTE	- -
2	168613	THERMALERT WIRING HARNESS	1
3	183413	LIGHT,WHT LED .75 CL/MK GROTE	1
4	202207	HARNESS MOD, TIS POWER ASSY	1
5	168618	THERMALERT CONTROL BOX **(INCLUDES ITEMS 6-12)** **(AIR SYSTEM - SEE PAGE 8-25)**	1
6	230613	TIS MANIFOLD ASSY (NEW STYLE) **(INCLUDED WITH ITEM 5)** **(INCLUDES PARTICULATE FILTER / BOWL, PRESSURE REGULATOR, GASKET, 4 SCREWS & 8 INCH AIR LINE)**	1
7	180229	FLOW SENSING SWITCH **(INCLUDED WITH ITEM 5)** **(AIR SYSTEM - SEE PAGE 8-25)**	1
8	180225	PETCOCK **(INCLUDED WITH ITEM 5)** **(AIR SYSTEM - SEE PAGE 8-25)**	1
9	180223	SHUT-OFF VALVE **(INCLUDED WITH ITEM 5)** **(AIR SYSTEM - SEE PAGE 8-25)**	1
10	106-0006	NUT 1/2 CONDUIT STL **(INCLUDED WITH ITEM 5)**	1
11	20125	STRAIN RELIEF, 1/4TO3/8 **(INCLUDED WITH ITEM 5)**	1
12	216705	CONTROL BOX LID **(INCLUDED WITH ITEM 5)**	1

Winch Install, Ramsey 20K, 2 Speed, Spring Tension

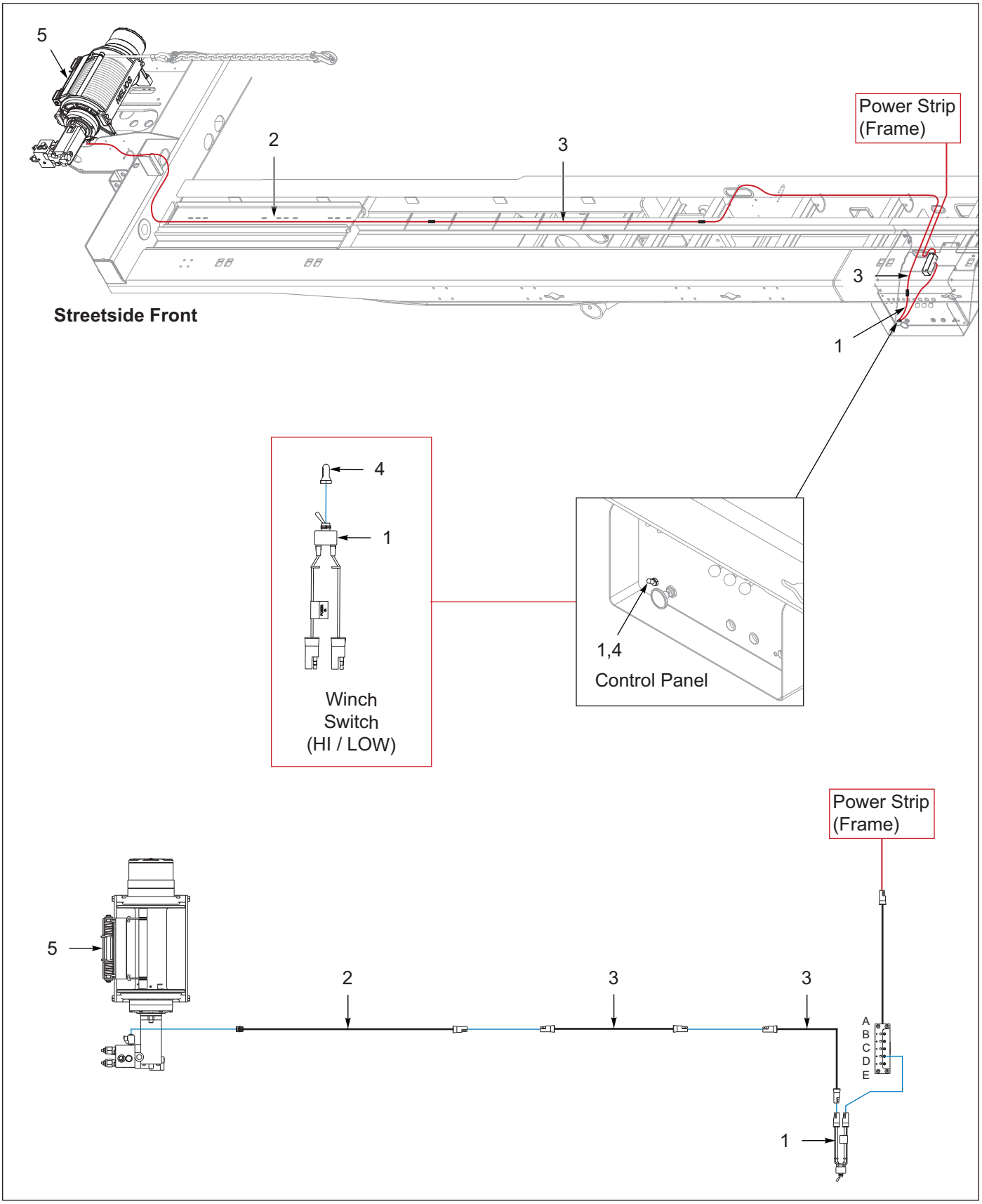


Figure 9-21: Winch Install, Ramsey 20K, 2 Speed, Spring Tension

Winch Install, Ramsey 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	242589	WINCH 20K RAMSEY 2SP 343	- -
1	150117	SWITCH ASSY LIGHT GROTE	1
2	164053	HARNESS 102" 2 PIN DEUTSCH	1
3	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
4	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1
5	240526	WINCH 20K RAMSEY 2 SPEED **(AIR SYSTEM - SEE PAGE 8-33)** **(COMPONENTS - SEE PAGE 6-19)** **(HYRAULIC SYSTEM - SEE PAGE 11-9)** **(INSTALLATION - SEE PAGE 6-9)**	1

Winch Install, Warn 20K, 2 Speed, Spring Tension

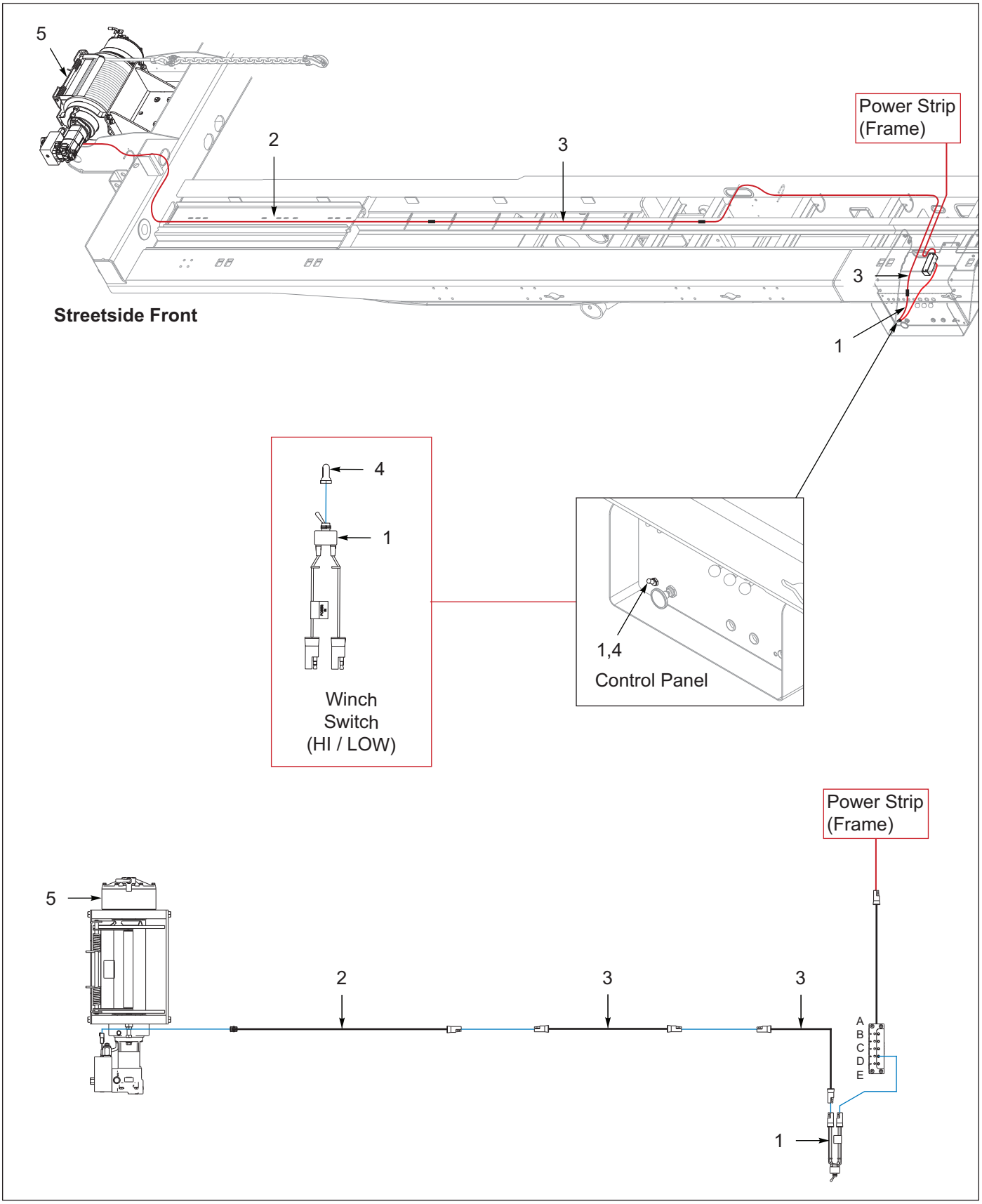


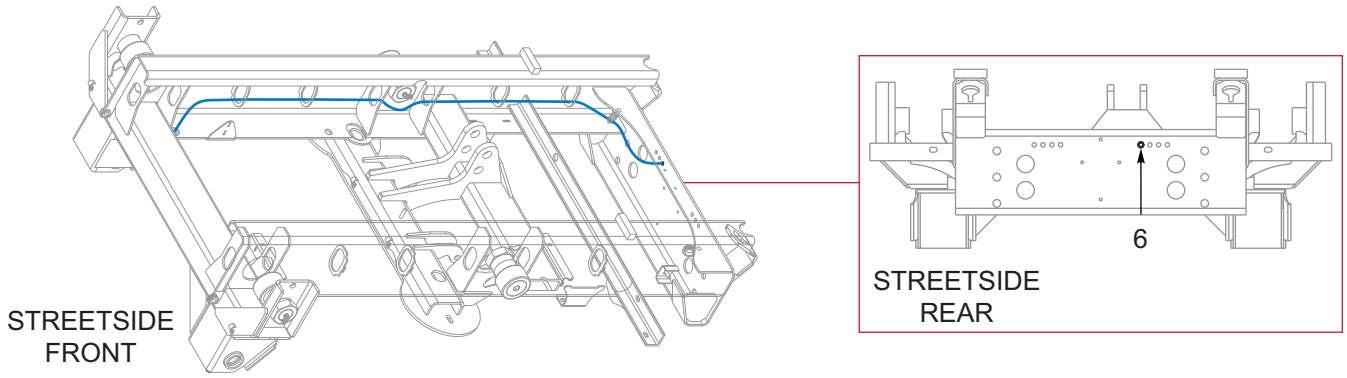
Figure 9-22: Winch Install, Warn 20K, 2 Speed, Spring Tension

Winch Install, Warn 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178676	WINCH INSTL 20K WARN 2 SPD 343	- -
1	150117	SWITCH ASSY LIGHT GROTE	1
2	164053	HARNESS 102" 2 PIN DEUTSCH	1
3	3-368-010252	HARNESS ASSY BKHD LIGHT EXT	2
4	81264	RUBBER BOOT FOR ELECT SWITCH **(12412330)**	1
5	167521	WINCH 20K WARN 2 SPEED **(AIR SYSTEM - SEE PAGE 8-37)** **(COMPONENTS - SEE PAGE 6-25)** **(HYRAULIC SYSTEM - SEE PAGE 11-13)** **(INSTALLATION - SEE PAGE 6-13)**	1

System, Grease

Axle Drum Brakes, 1 Axle



NOTE:
Items 1-15 Quantities are Per Axle.

NOT SHOWN:
17 - Decal, Lubrication
18 - Tie Strap, .018 x 7.31
19 - Tie Strap, 0.18 x 14

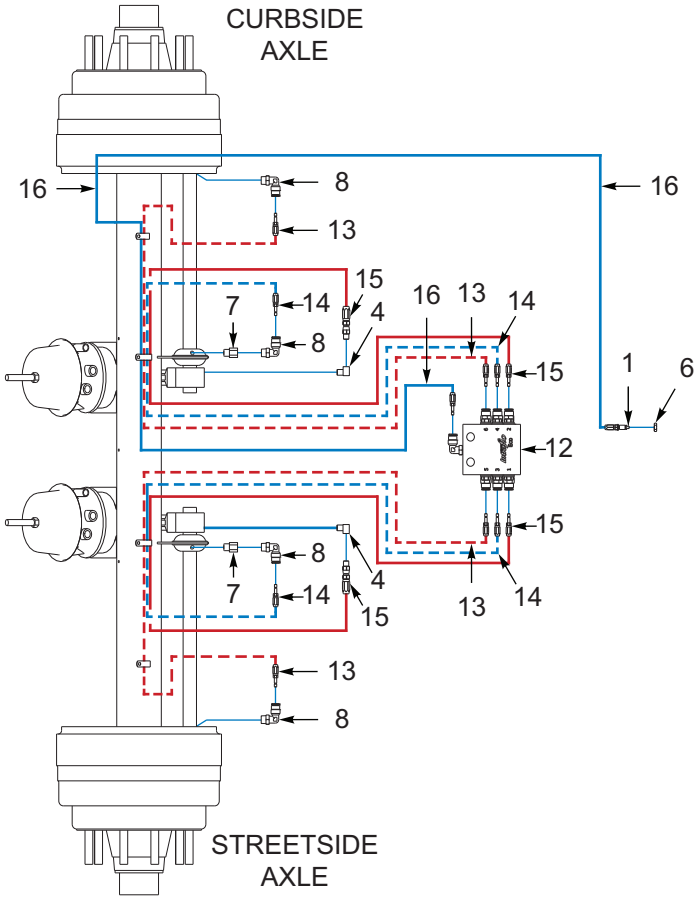


Figure 10-1: Axle Drum Brakes, 1 Axle (1 of 2)

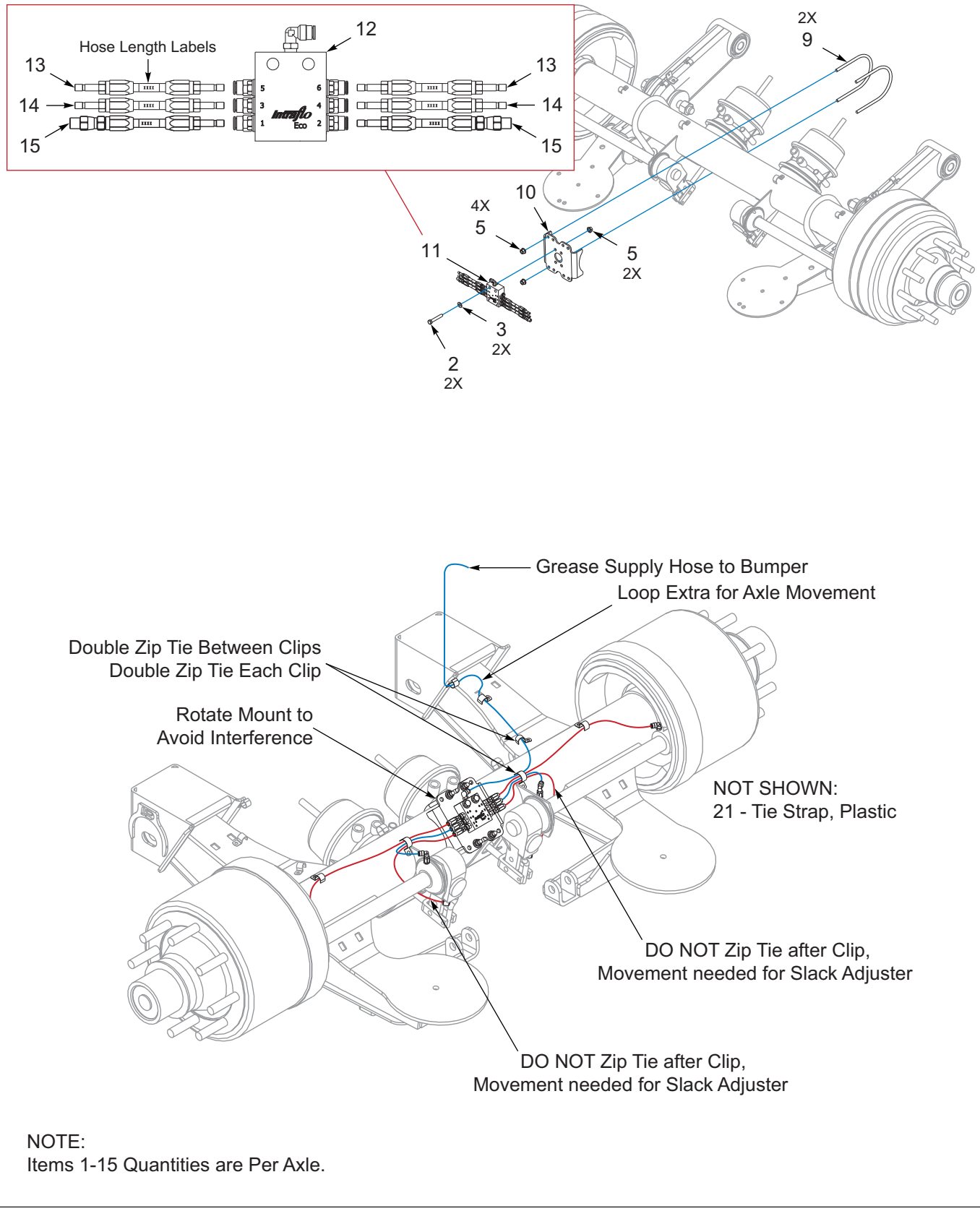


Figure 10-2: Axle Drum Brakes, 1 Axle (2 of 2)

Axle Drum Brakes, 1 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEM 16)**	1
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	2
4	101528	ELBOW,BRASS PIPE STREET	2
5	107470	NUT,SPIRALOCK 3/8-16HX	6
6	142545	NUT 7/16 FOR BULKHEAD	1
7	202094	ADAPTER 5/16--18X1/8NPT(F)	2
8	202099	FITTING GREASE 90 SWIV PTC 1/8	4
9	222479	U-BOLT 3/8-16X5X6-3/4X2" T ZP	2
10	224325	MOUNT BOLT-ON AXLE GREASE VLV	1
11	229177	VALVE AXLE GREASE ASM 22-16-28 **(INCLUDES ITEMS 12-15)**	1
12	224304	VALVE AXLE GREASE DIVIDER **(INCLUDED WITH ITEM 11)**	1
13	225699	HOSE ASSY GREAST 1/8" X 22" **(PORTS 5 & 6)** **(INCLUDED WITH ITEM 11)**	2
14	229178	HOSE ASSY GREASE 1/8" X 16" **(PORTS 3 & 4)** **(INCLUDED WITH ITEM 11)**	2
15	233683	HOSE ASSY GREASE 1/8" X 28" **(PORTS 1 & 2)** **(INCLUDED WITH ITEM 11)**	2
16	202114	HOSE ASSY GREASE 1/8 X 133 **(INCLUDES ITEM 1)**	1
17	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL **(DECALS - SEE PAGE 1-5)**	2
18	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
19	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -

Table provided for general use.

NOTES:

Axle Drum Brakes, 2 Axle

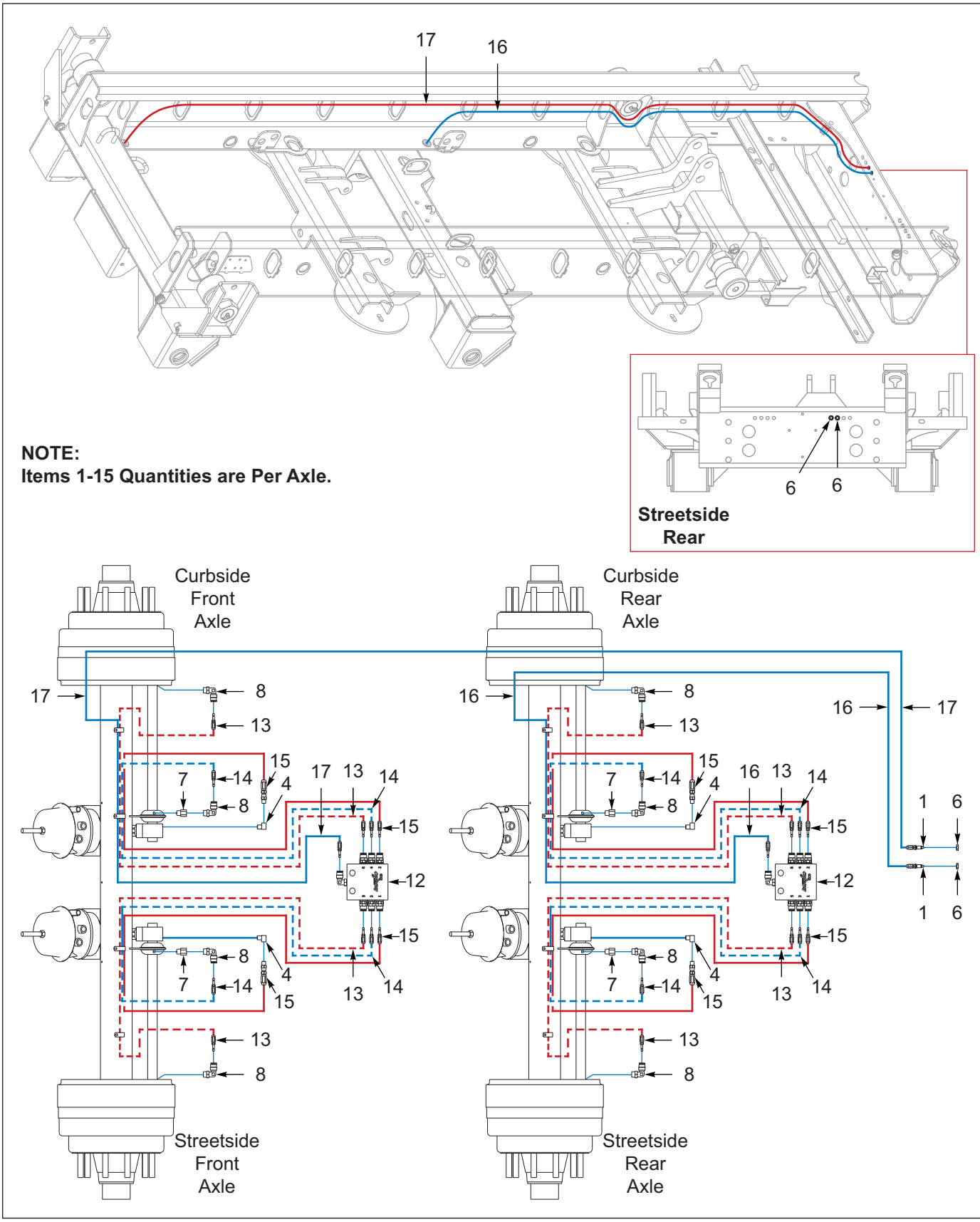
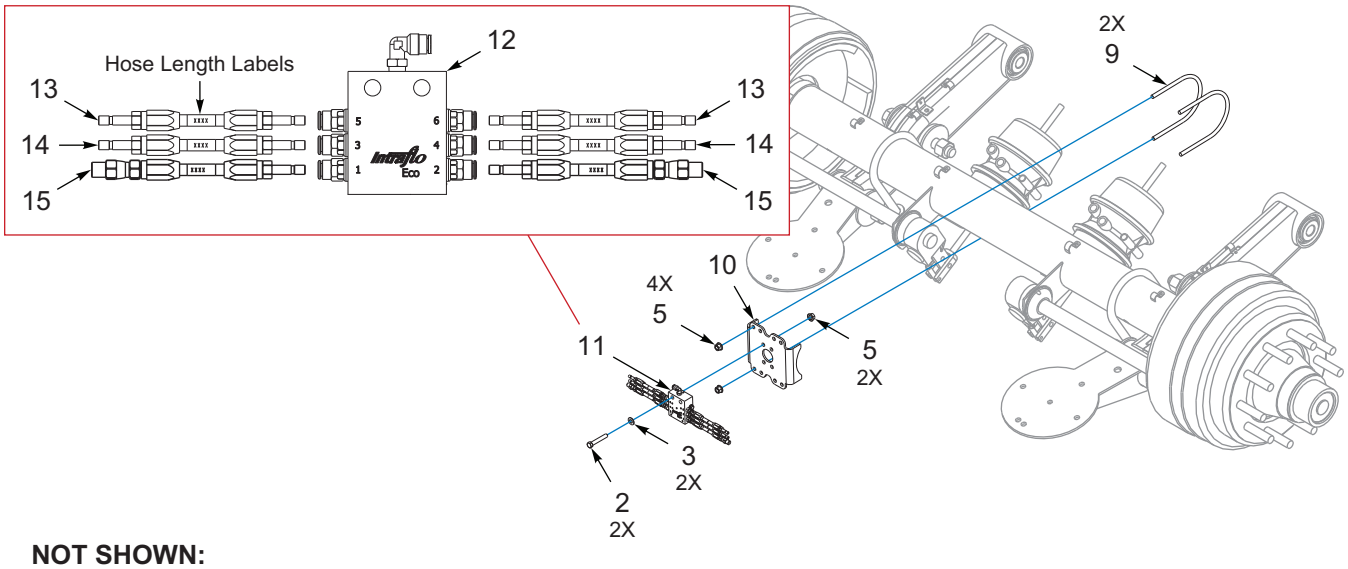
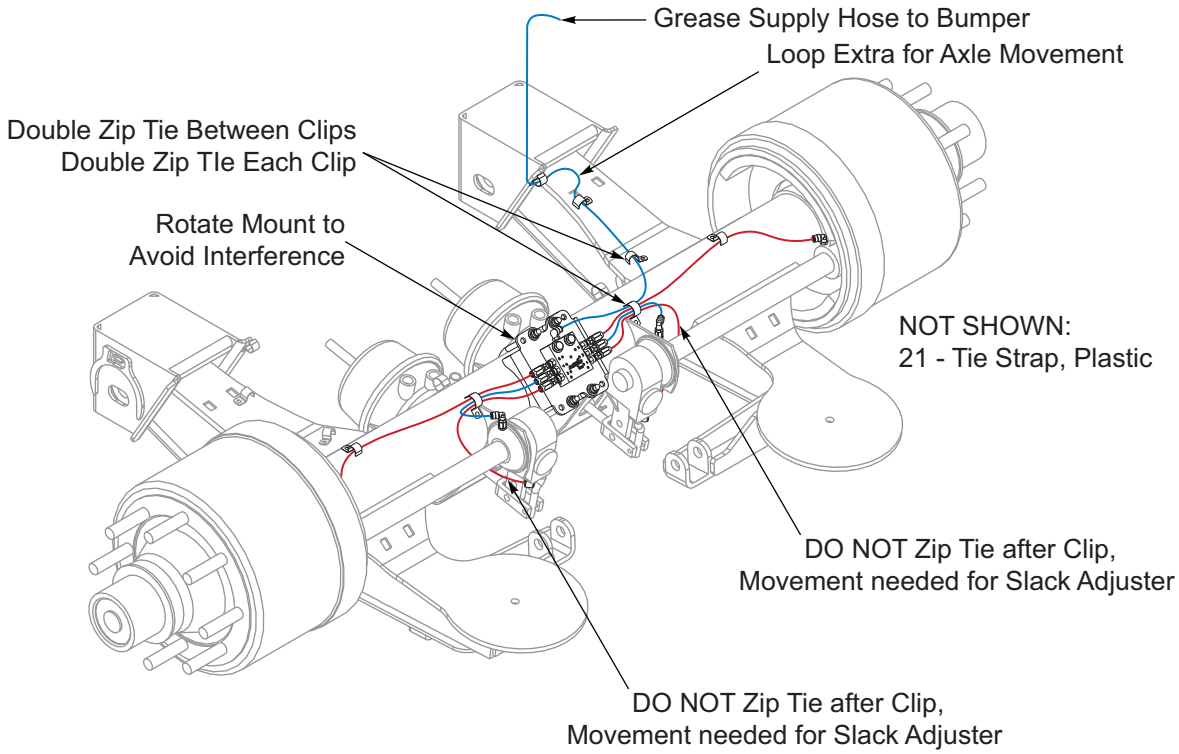


Figure 10-3: Axle Drum Brakes, 2 Axle (1 of 2)



NOT SHOWN:
18 - Decal, Lubrication
19 - Tie Strap, .018 x 7.31
20 - Tie Strap, 0.18 x 14



NOTE:
Items 1-15 Quantities are Per Axle.

Figure 10-4: Axle Drum Brakes, 2 Axle (2 of 2)

Axle Drum Brakes, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEM 16-17)**	1
2	1-654-010051-10	SCREW,HX CP3/8-16X2-1/4 GR5	4
3	1-861-010032-10	WASHER, FLAT 3/8" N ZP/CD	4
4	101528	ELBOW,BRASS PIPE STREET	4
5	107470	NUT,SPIRALOCK 3/8-16HX	12
6	142545	NUT 7/16 FOR BULKHEAD	2
7	202094	ADAPTER 5/16--18X1/8NPT(F)	4
8	202099	FITTING GREASE 90 SWIV PTC 1/8	8
9	222479	U-BOLT 3/8-16X5X6-3/4X2" T ZP	4
10	224325	MOUNT BOLT-ON AXLE GREASE VLV	2
11	229177	VALVE AXLE GREASE ASM 22-16-28 **(INCLUDES ITEMS 12-15)**	2
12	224304	VALVE AXLE GREASE DIVIDER **(INCLUDED WITH ITEM 11)**	1
13	225699	HOSE ASSY GREAST 1/8" X 22" **(PORTS 5 & 6) (INCLUDED WITH ITEM 11)**	2
14	229178	HOSE ASSY GREASE 1/8" X 16" **(PORTS 3 & 4) (INCLUDED WITH ITEM 11)**	2
15	233683	HOSE ASSY GREASE 1/8" X 28" **(PORTS 1 & 2) (INCLUDED WITH ITEM 11)**	2
16	202114	HOSE ASSY GREASE 1/8 X 133 **(INCLUDES ITEM 1)**	1
17	202123	HOSE ASSY GREASE 1/8 X 186 **(INCLUDES ITEM 1)**	1
18	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL **(DECALS - SEE PAGE 1-5)**	2
19	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
20	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -

Table provided for general use.

NOTES:

Cam Followers, 1 Axle

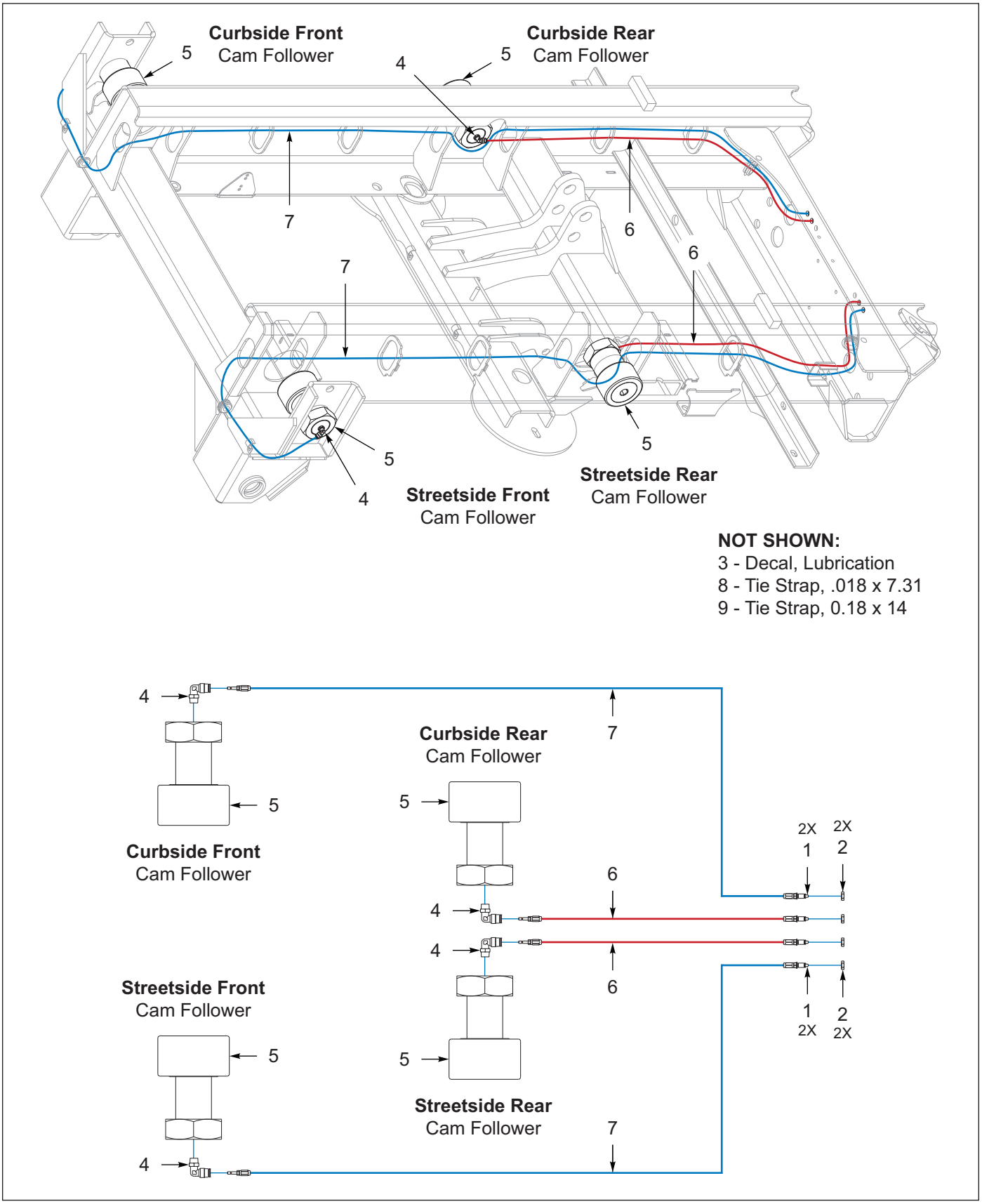


Figure 10-5: Cam Followers, 1 Axle (1 of 2)

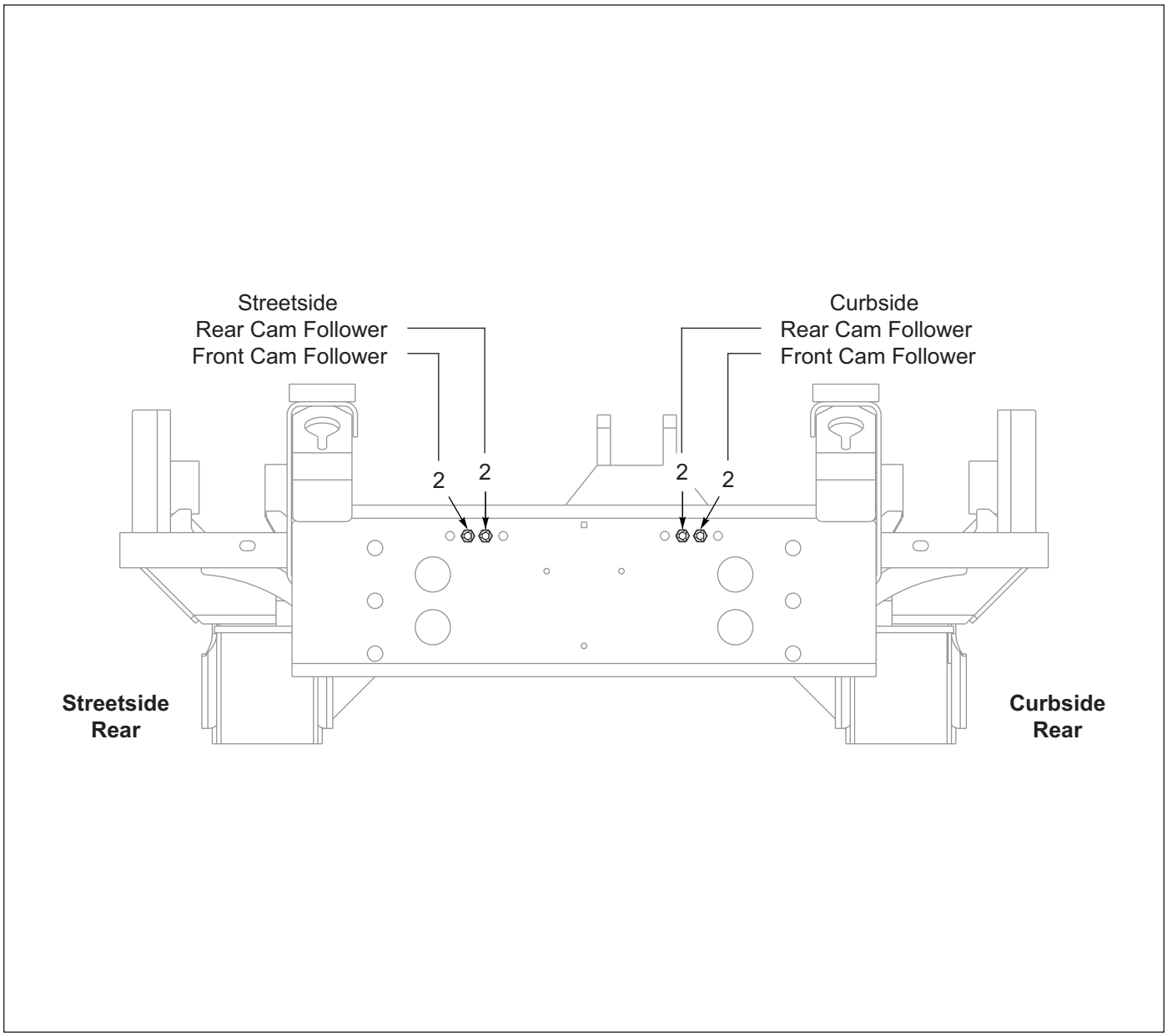
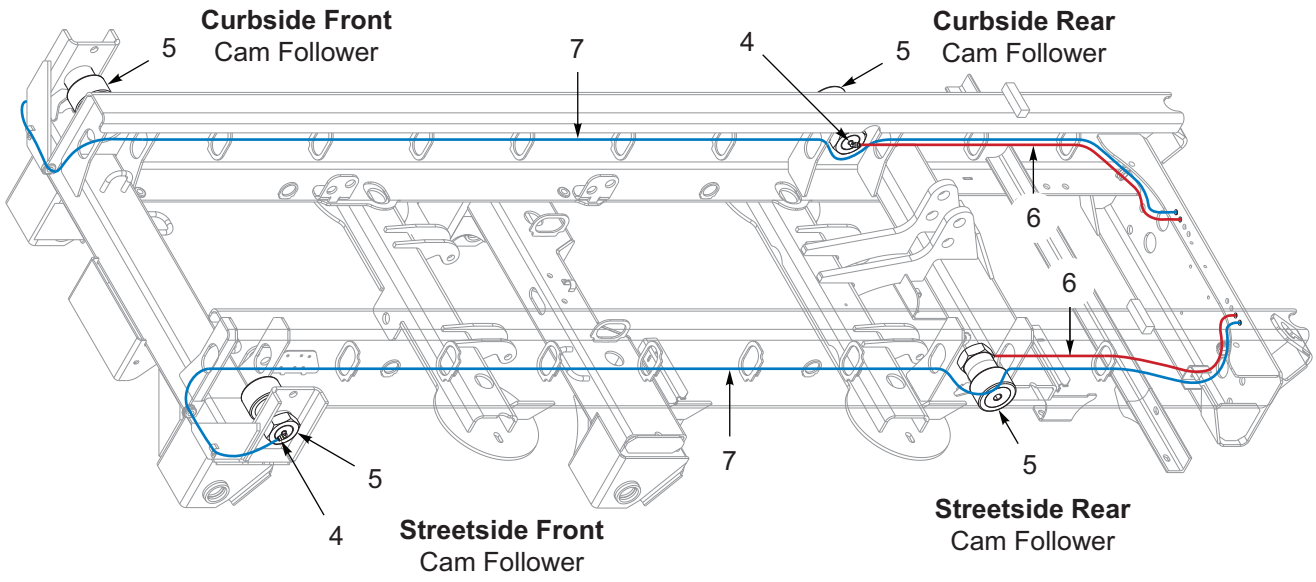


Figure 10-6: Cam Followers, 1 Axle (2 of 2)

Cam Followers, 1 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196577	SUSP ASSY 343A 2512 A/R LED **(SB)**	- -
	196575	SUSP ASSY 343A A/R LED **(BB)**	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEMS 6-7)**	2
2	142545	NUT 7/16 FOR BULKHEAD	4
3	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL **(DECALS - SEE PAGE 1-5)**	2
4	216600	FITTING GREAST 90SWIV P-T-C1/4	4
5	3-076-010005	CAM FOLLOWER 4 IN DIA **(INSTALLATION - SEE PAGE 2-5)**	4
6	202103	HOSE ASSY GREASE 1/8 X 45 **(INCLUDES ITEM 1)**	2
7	248838	HOSE ASSY GREASE 1/8 X 105 **(INCLUDES ITEM 1)**	2
8	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
9	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -

Cam Followers, 2 Axle



NOT SHOWN:
3 - Decal, Lubrication
8 - Tie Strap, .018 x 7.31
9 - Tie Strap, 0.18 x 14

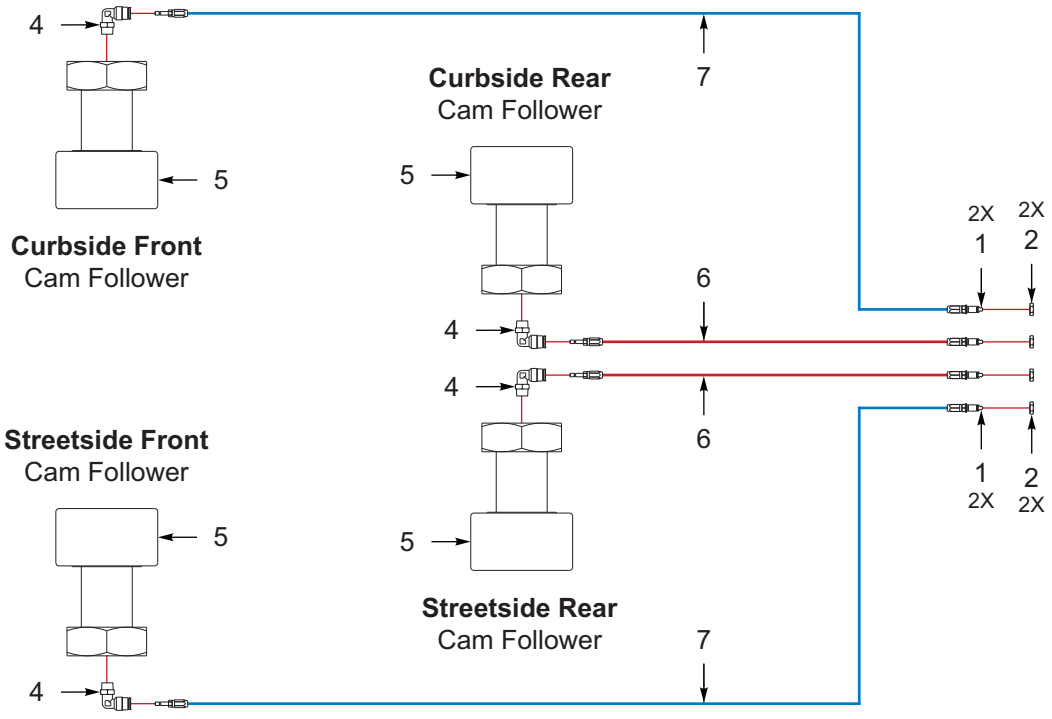


Figure 10-7: Cam Followers, 2 Axle (1 of 2)

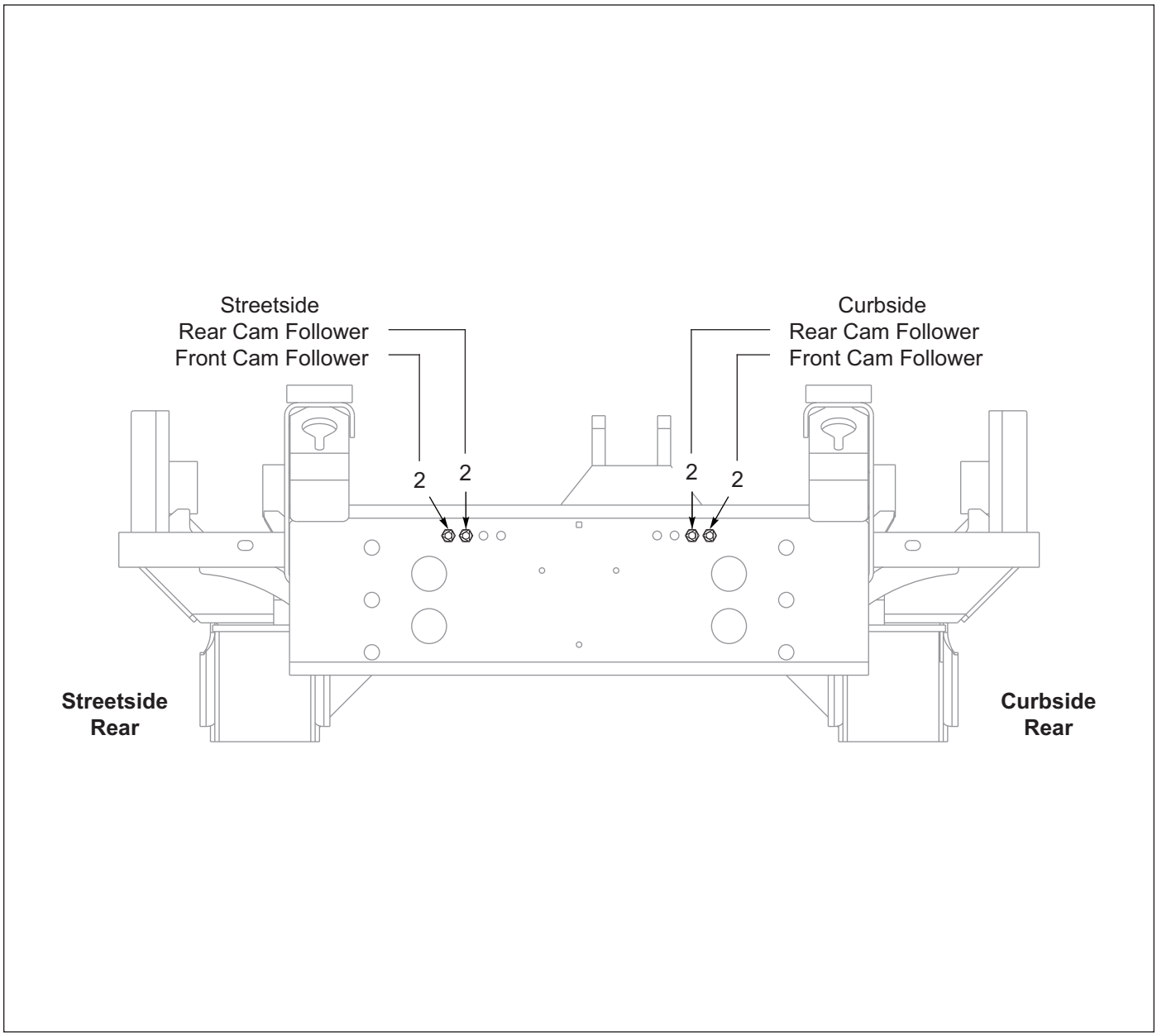


Figure 10-8: Cam Followers, 2 Axle (2 of 2)

Cam Followers, 2 Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248975	SUSP ASSY 344 DRUM SB 2512-77	- -
	248976	SUSP ASSY 344 DRUM BB 2516-75	- -
1	1-298-010001-1	ZERK FITTING 1/4 SAE **(INCLUDED WITH ITEM 6-7)**	4
2	142545	NUT 7/16 FOR BULKHEAD	4
3	2-573-010330-04	DECAL LUBRICATION, SEE MANUAL **(DECALS - SEE PAGE 1-5)**	2
4	216600	FITTING GREAST 90SWIV P-T-C1/4	4
5	3-076-010005	CAM FOLLOWER 4 IN DIA **(INSTALLATION - SEE PAGE 2-5)**	4
6	202103	HOSE ASSY GREASE 1/8 X 45 **(INCLUDES ITEM 1)**	2
7	202118	HOSE ASSY GREASE 1/8 X 156 **(INCLUDES ITEM 1)**	2
8	1-796-010003-01	TIE, STRAP, PLASTIC .184X7.31 **(BY THE POUND)**	- -
9	1-796-010003-02	TIE, STRAP, PLASTIC .18X14.0 **(BY THE POUND)**	- -

Cylinder Components, 4 x 20

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196588	CYLINDER 4X20 W/CB **(GREASE ZERKS - SEE PAGE 11-17)**	- -

Hitch

ITEM	PART NUMBER	DESCRIPTION	QTY.
	128391	HITCH INSTL 18PIN 340 **(GREASE ZERKS - SEE PAGE 2-15)**	- -

Table provided for general use.

NOTES:

System, Hydraulic

Trailer, Hitch Tilt / Travel Axle

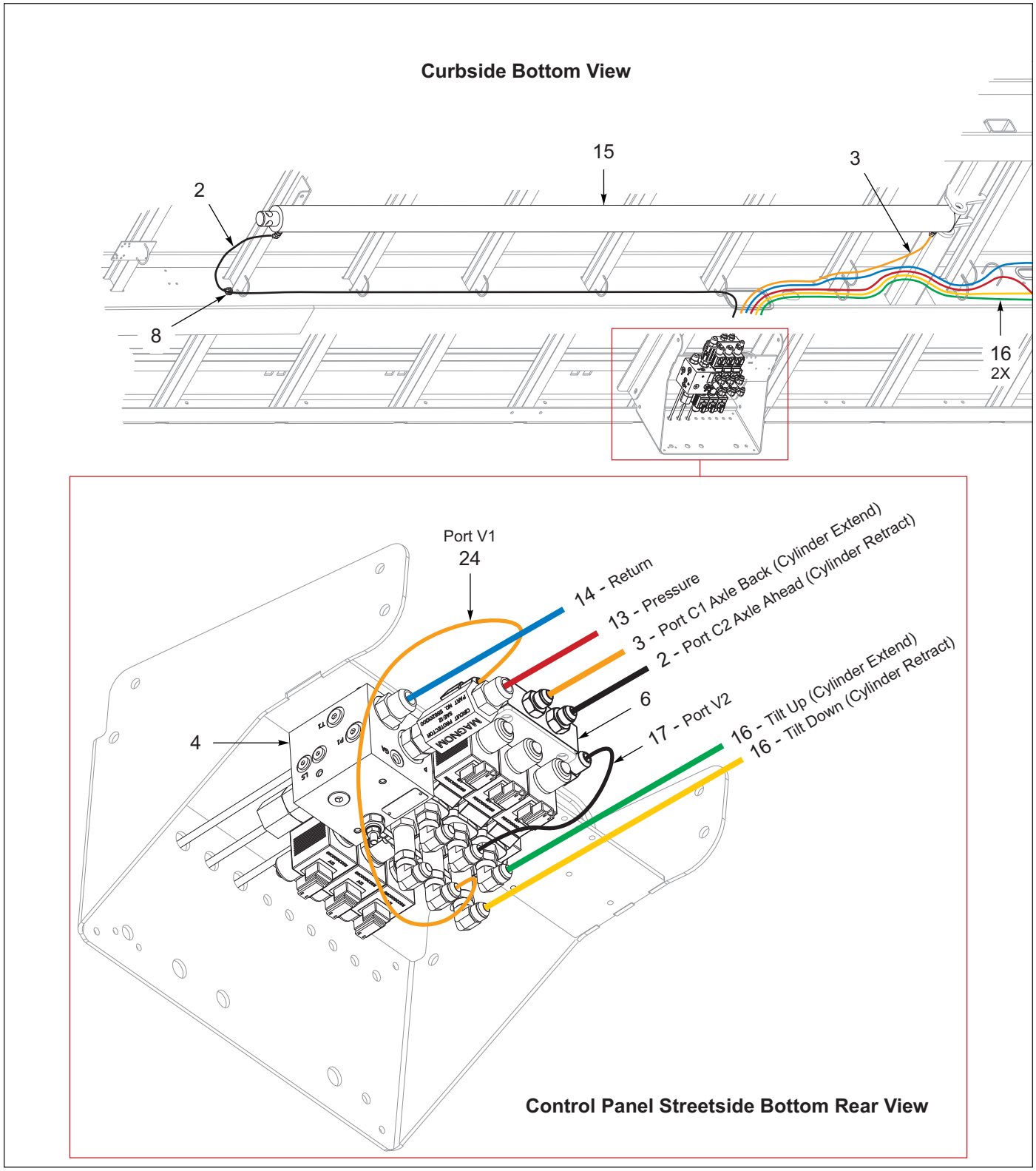


Figure 11-1: Trailer, Hitch Tilt / Travel Axle (1 of 2)

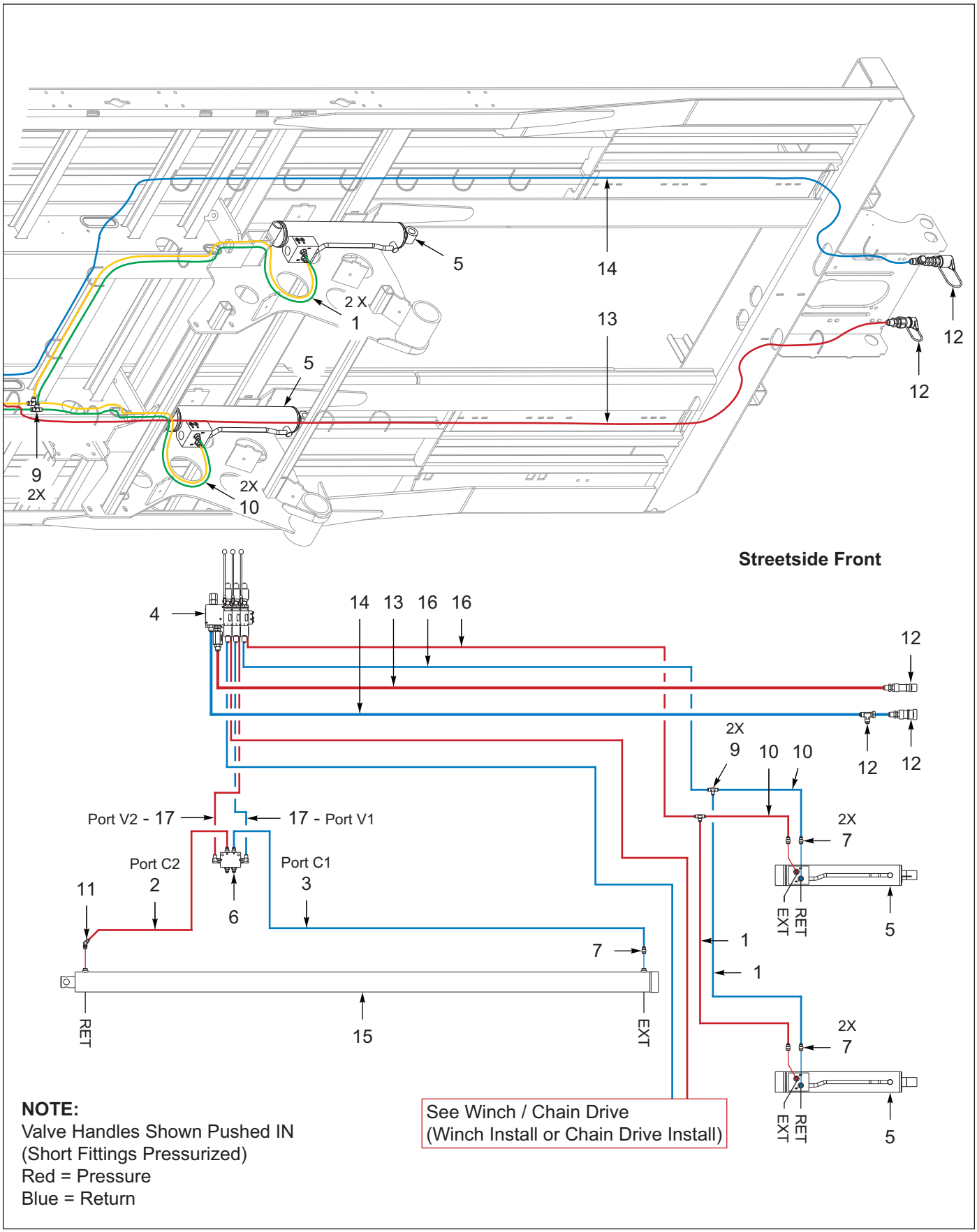


Figure 11-2: Trailer, Hitch Tilt / Travel Axle (2 of 2)

Trailer, Hitch Tilt / Travel Axle

ITEM	PART NUMBER	DESCRIPTION	QTY.
	248930	HYD/ELEC/AIR 343B/344-39 W/RMT **(39 FT TLR, W/ REMOTE)**	- -
	248931	HYD/ELEC/AIR 343B/344-39NO RMT **(39 FT TLR, WO/ REMOTE)**	- -
	248817	HYD/ELEC/AIR 343B/344-43 W/RMT **(43 FT TLR, W/ REMOTE)**	- -
	248818	HYD/ELEC/AIR 343B/344-43NO RMT **(43 FT TLR, WO/ REMOTE)**	- -
1	1-397-010301084	HOSE ASSY,1/2X84,SAE 37,STR	2
2	1-397-010301090	HOSE ASSY 1/2X90,SAE 37 STR **(39 FT TLR)**	1
2	164303	HOSE ASSY,1/2X138 SAE37 STR **(43 FT TLR)**	1
3	124133	CSVP-R HOSE HYD 1/2X101 **(39 FT TLR)**	1
3	1-397-010301054	HOSE ASSY,1/2X54,SAE 37 STR **(43 FT TLR)**	1
4	194439	VALVE REXROTH ASSY 300A **(INSTALLATION - SEE PAGE 2-19)** **(ASSEMBLY - SEE PAGE 11-19)**	1
5	196588	CYLINDER 4X20 W/CB **(INSTALLATION - SEE PAGE 2-17)** **(COMPONENTS - SEE PAGE 11-17)**	2
6	197450	VALVE DUAL CB ASSY 343A **(INSTALLATION - SEE PAGE 2-19)** **(COMPONENTS - SEE PAGE 11-23)**	1
7	202702-8-8S	ADAPTER #8 O-RING TO #8 TUBE	5
8	202925	CLAMP,PART CUSH ALUM,7/8 **(INSTALLATION - SEE PAGE 2-17)**	1
9	2033-8-8S	ADAPTER, TEE, #8 TUBE	2
10	203599	HOSE ASSY 1/2X 47,-8FJX,-8FJX	2
11	2061-8-8S	ADAPTER, 45, #8 O-RING-TUBE	1
12	238642	COUPLERS ISO FRONT SUB ASSY **(COMPONENTS - SEE PAGE 11-15)**	1
13	248875	HOSE ASSY 3/4 X 270 SAE37 STR	1
14	248876	HOSE ASSY 3/4 X 308 SAE37 STR	1
15	3-242-010185	CYLINDER 4X126 LOADOLL **(INSTALLATION - SEE PAGE 2-17)** **(COMPONENTS - SEE PAGE 11-18)**	1
16	51039-12	HOSE ASSY 1/2X81.13 SAE37 STR	2
17	51039-17	HOSE ASSY 1/2X20 SAE37 STR	2

Table provided for general use.

NOTES:

Chain Drive Install, 1 Speed

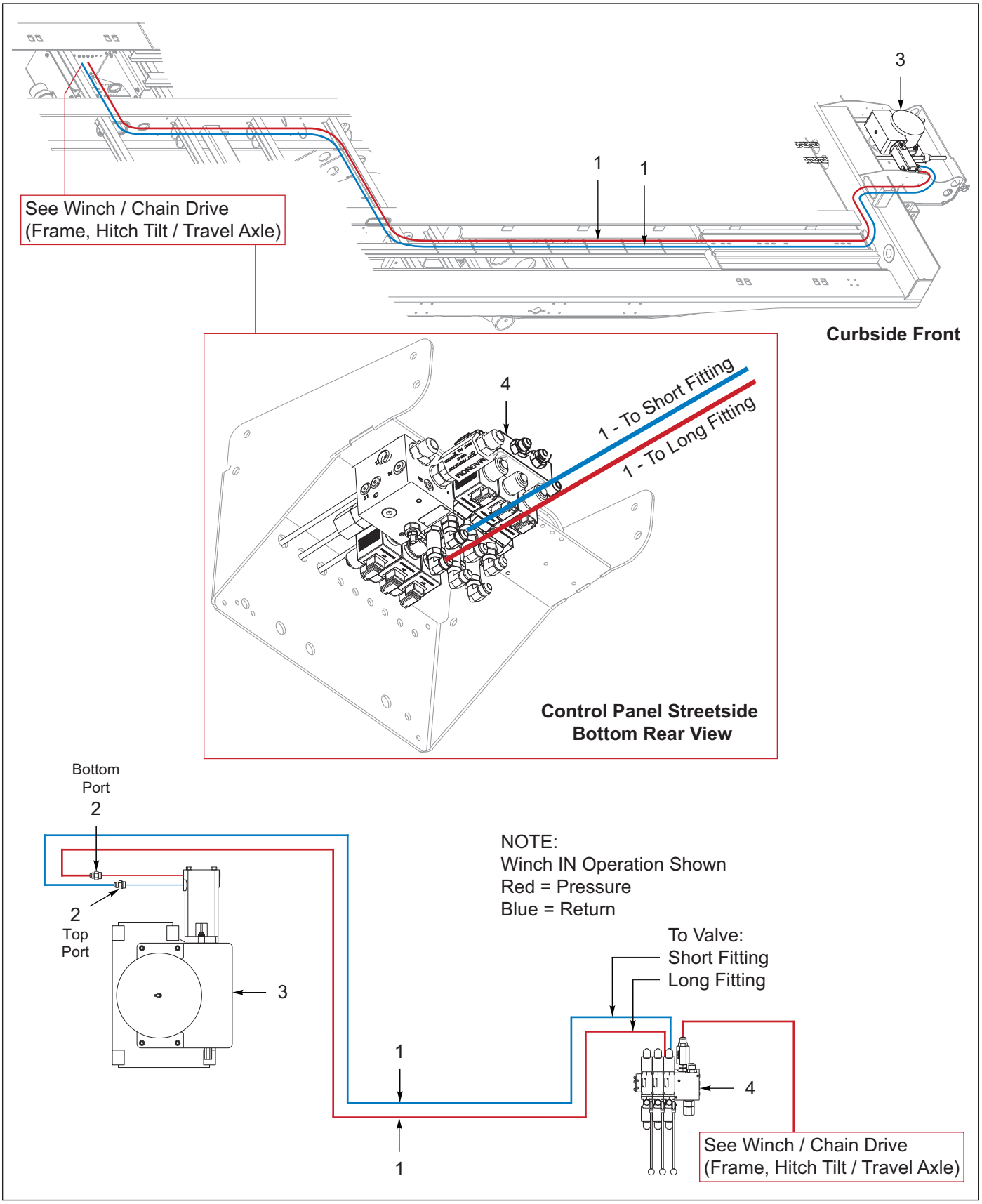


Figure 11-3: Chain Drive Install, 1 Speed

Chain Drive Install, 1 Speed

ITEM	PART NUMBER	DESCRIPTION	QTY.
	220970	GEARBOX ASSY 343-39 TRL **(39 FOOT)**	- -
	180898	GEARBOX ASSY, 343-43 TRL **(43 FOOT)**	- -
1	248877	HOSE ASSY 1/2 X 320 SAE37 STR	2
2	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
3	197451	GEARBOX SUB-ASSY 343 **(ASSEMBLY - SEE PAGE 6-3)** **(INSTALLATION - SEE PAGE 6-1)**	1
4	194439	VALVE REXROTH ASSY 300A **(ASSEMBLY - SEE PAGE 11-19)** **(INSTALLATION - SEE PAGE 2-19)**	1

Winch Install, Ramsey 12K, 1 Speed, Spring Tension

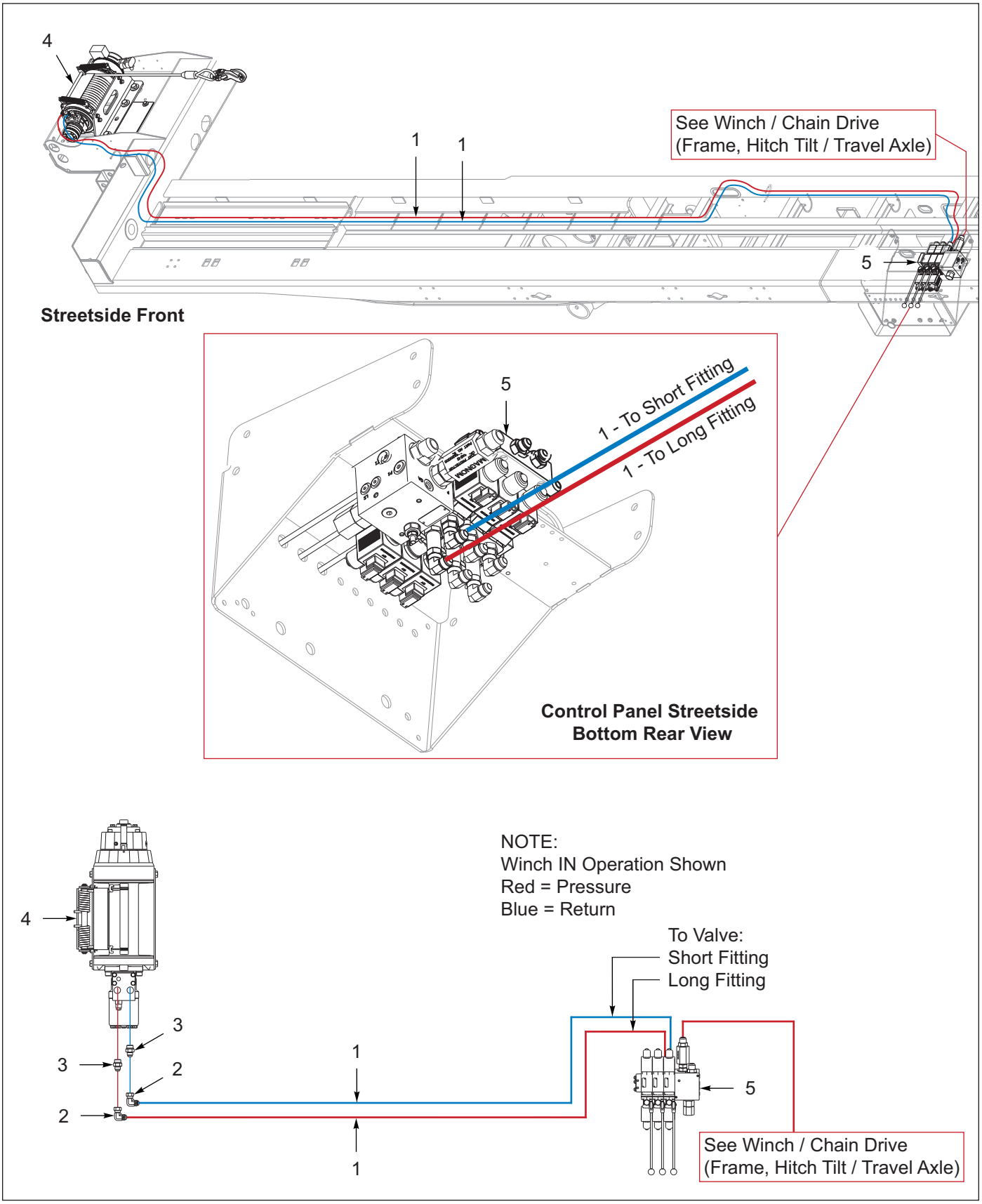


Figure 11-4: Winch Install, Ramsey 12K, 1 Speed, Spring Tension

Winch Install, Ramsey 12K, 1 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	242587	WINCH 12K RAMSEY 343	- -
1	1-397-010301296	HOSE ASY,1/2X296,SAE37STR-STR	2
2	2071-8-8S	ADAPTER90 #8 FLR SWIVEL #8JIC	2
3	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
4	240549	WINCH 12K RAMSEY **(AIR SYSTEM - SEE PAGE 8-31)** **(COMPONENTS - SEE PAGE 6-15)** **(INSTALLATION - SEE PAGE 6-7)**	1
5	194439	VALVE REXROTH ASSY 300A **(ASSEMBLY - SEE PAGE 11-19)** **(INSTALLATION - SEE PAGE 2-19)**	1

Winch Install, Ramsey 20K, 2 Speed, Spring Tension

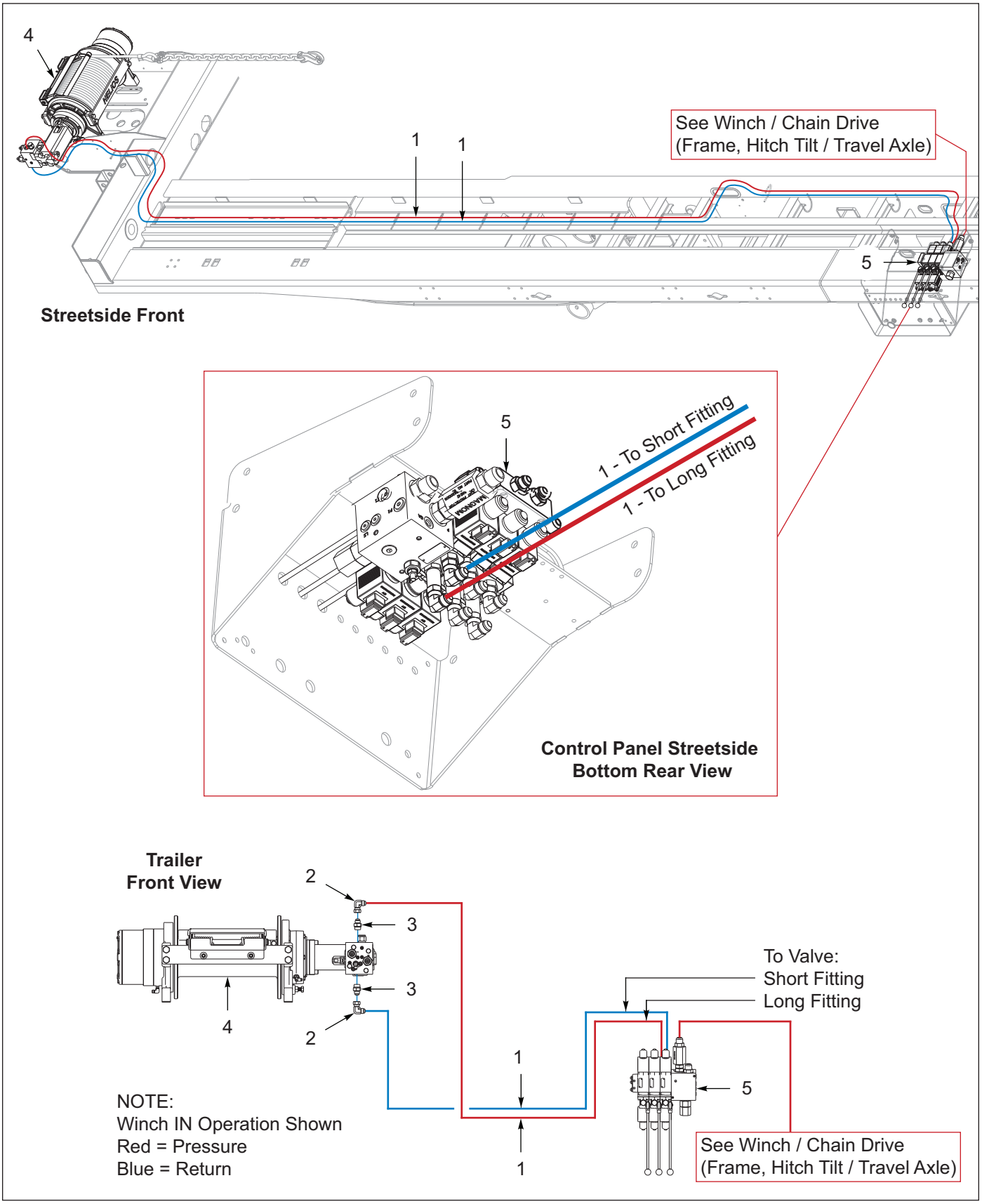


Figure 11-5: Winch Install, Ramsey 20K, 2 Speed, Spring Tension

Winch Install, Ramsey 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	242589	WINCH 20K RAMSEY 2SP 343	- -
1	1-397-010301296	HOSE ASY,1/2X296,SAE37STR-STR	2
2	2071-8-8S	ADAPTER90 #8 FLR SWIVEL #8JIC	2
3	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
4	240526	WINCH 20K RAMSEY 2 SPEED **(AIR SYSTEM - SEE PAGE 8-33)** **(COMPONENTS - SEE PAGE 6-19)** **(ELECTRICAL SYSTEM - SEE PAGE 9-33)** **(INSTALLATION - SEE PAGE 6-9)**	1
5	194439	VALVE REXROTH ASSY 300A **(ASSEMBLY - SEE PAGE 11-19)** **(INSTALLATION - SEE PAGE 2-19)**	1

Winch Install, Warn 12K, 1 Speed, Spring Tension

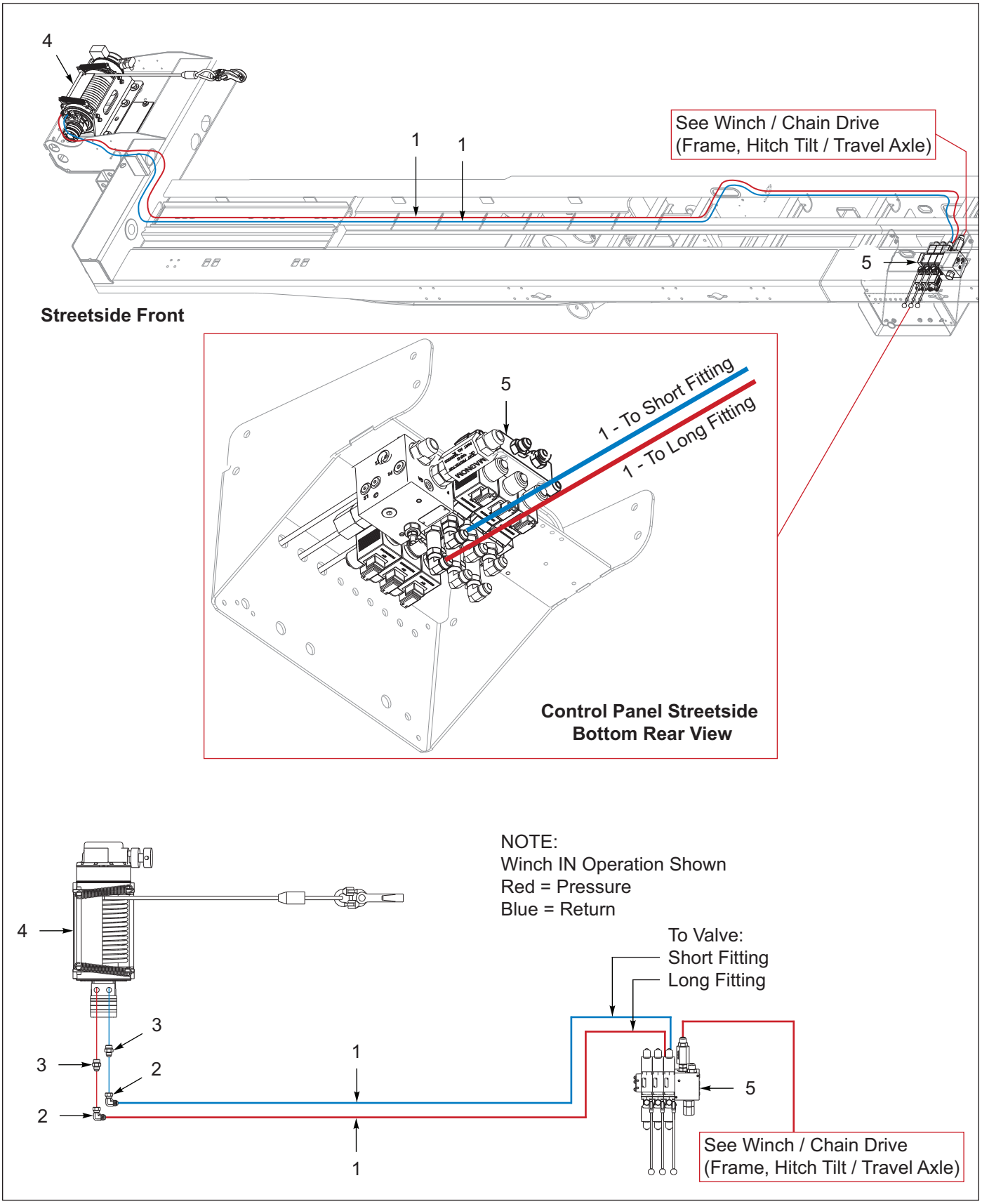


Figure 11-6: Winch Install, Warn 12K, 1 Speed, Spring Tension

Winch Install, Warn 12K, 1 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	180908	WINCH 12K WARN 343	- -
1	1-397-010301296	HOSE ASY,1/2X296,SAE37STR-STR	2
2	2071-8-8S	ADAPTER90 #8 FLR SWIVEL #8JIC	2
3	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
4	166421	WINCH 12M WARN W/LW&RMTC **(AIR SYSTEM - SEE PAGE 8-35)** **(COMPONENTS - SEE PAGE 6-23)** **(INSTALLATION - SEE PAGE 6-11)**	1
5	194439	VALVE REXROTH ASSY 300A **(ASSEMBLY - SEE PAGE 11-19)** **(INSTALLATION - SEE PAGE 2-19)**	1

Winch Install, Warn 20K, 2 Speed, Spring Tension

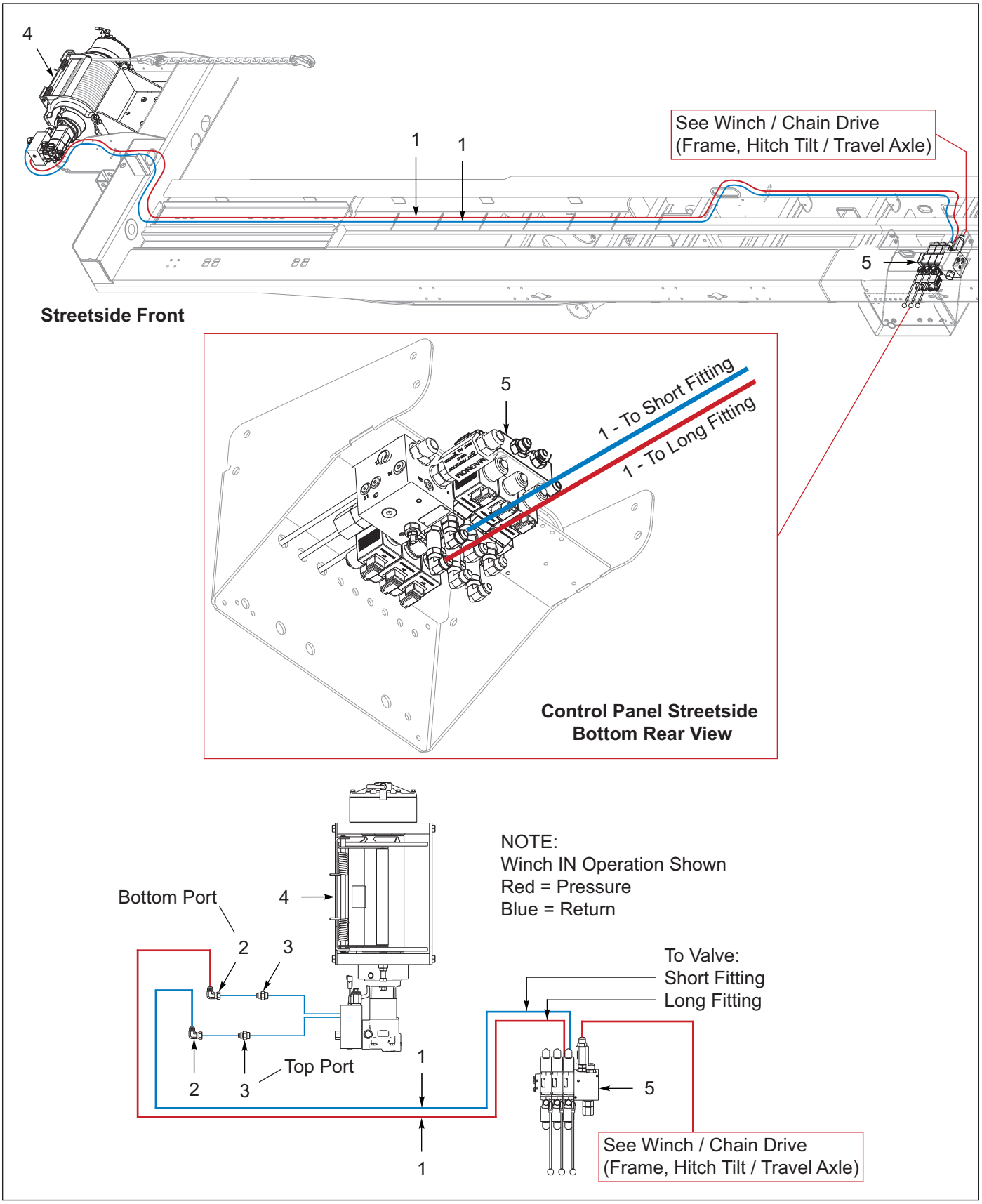


Figure 11-7: Winch Install, Warm 20K, 2 Speed, Spring Tension

Winch Install, Warn 20K, 2 Speed, Spring Tension

ITEM	PART NUMBER	DESCRIPTION	QTY.
	178676	WINCH INSTL 20K WARN 2 SPD 343	- -
1	1-397-010301296	HOSE ASY,1/2X296,SAE37STR-STR	2
2	2071-8-8S	ADAPTER90 #8 FLR SWIVEL #8JIC	2
3	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
4	167521	WINCH 20K WARN 2 SPEED **(AIR SYSTEM - SEE PAGE 8-37)** **(COMPONENTS - SEE PAGE 6-25)** **(ELECTRICAL SYSTEM - SEE PAGE 9-35)** **(INSTALLATION - SEE PAGE 6-13)**	1
5	194439	VALVE REXROTH ASSY 300A **(ASSEMBLY - SEE PAGE 11-19)** **(INSTALLATION - SEE PAGE 2-19)**	1

Couplers, Front Sub-Assembly, Air / Hydraulic

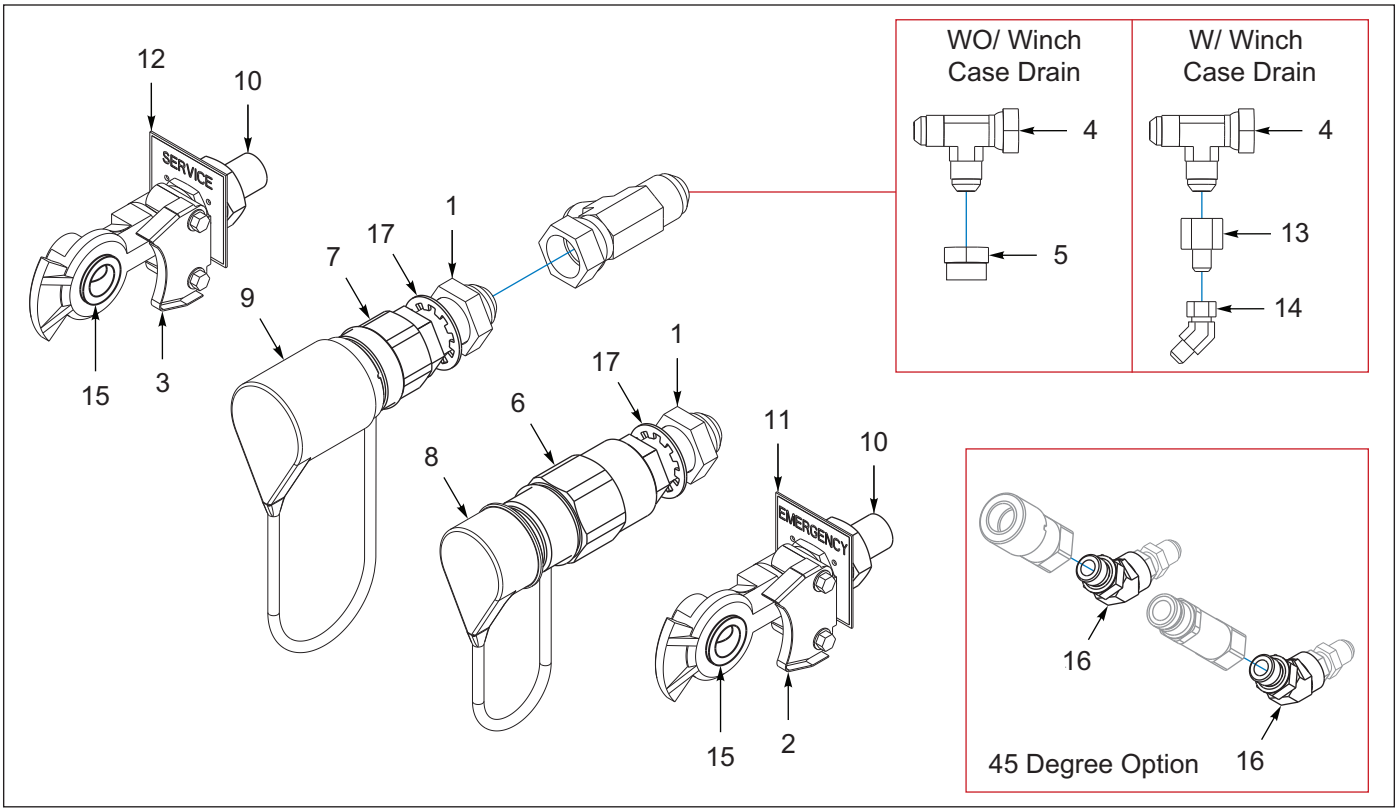


Figure 11-8: Couplers, Front Sub-Assembly, Air / Hydraulic

Couplers, Front Sub-Assembly, Air / Hydraulic

ITEM	PART NUMBER	DESCRIPTION	QTY.
	238642	COUPLERS ISO FRONT SUB ASSY	- -
1	105483	ADAPTER BLKHD 12JIC-12 ORING	2
2	108801	GLAD HAND-RED-AIR **(INCLUDES ITEM 15)**	1
3	108802	GLAD HAND-BLUE-AIR **(INCLUDES ITEM 15)**	1
4	203102-12-12S	ADAPTER,TEE, #12, SAE37 SWIVL	1
5	210292-12S	JIC CAP NUT #12	1
6	239677	COUPLER FL FACE ISO -12 MALE **(BLACK BODY) (REPAIRABLE - SEE PAGE 11-16) (COUPLER KIT - SEE PAGE 11-16)**	1
7	239678	COUPLER FL FACE ISO -12 FEMALE **(NON-REPAIRABLE) (COUPLER KIT - SEE PAGE 11-16)**	1
8	239679	DUST CAP -12 ISO MALE COUPLER **(COUPLER KIT - SEE PAGE 11-16)**	1
9	239680	DUST CAP FEMALE COUPLER -12ISO **(COUPLER KIT - SEE PAGE 11-16)**	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	102-1112	REDUCER 12X8 JIC	1
14	121031	FITTING,45EL #8M X #8F 37SWVL	1
15	209133	GLAD HAND SEAL **(INCLUDED WITH ITEMS 2-3)**	1
16	138209	ADAPTER HYD 45#12 MALE-FEMORB **(45 DEGREE OPTION)**	2
17	1-861-010059-21	WASHER,LKG,INTL TOOTH 1-1/8 **(SOLD SEPARATELY)**	2

Coupler Kit, Hydraulic, Replacement & Repair

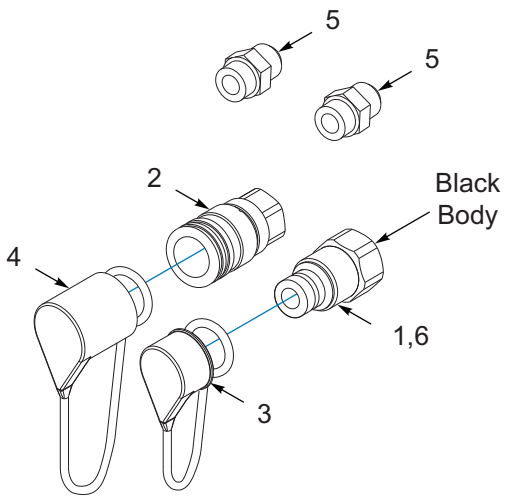


Figure 11-9: Coupler Kit, Hydraulic, Replacement & Repair

Coupler Kit, Hydraulic, Replacement & Repair

ITEM	PART NUMBER	DESCRIPTION	QTY.
	239705	HYD COUPLER KIT ISO **(INCLUDES ITEM 1-5) (REPLACEMENT COUPLERS FOR TRAILER, POWER UNIT, OR TRUCK)**	1
1	239677	COUPLER FL FACE ISO -12 MALE **(REPAIRABLE, SEE ITEM 6) (BLACK BODY) (INCLUDED WITH KIT 239705)**	1
2	239678	COUPLER FL FACE ISO -12 FEMALE **(NON-REPAIRABLE) (AFTER 03/01/2022) (INCLUDED WITH KIT 239705)**	1
3	239679	DUST CAP -12 ISO MALE COUPLER **(INCLUDED WITH KIT 239705)**	1
4	239680	DUST CAP FEMALE COUPLER -12ISO **(INCLUDED WITH KIT 239705)**	1
5	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
6	238634	KIT O-RING MALE ISO-12 QD **(INCLUDES BACK-UP RING, O-RING)**	1

Cylinder Components, 4 x 20

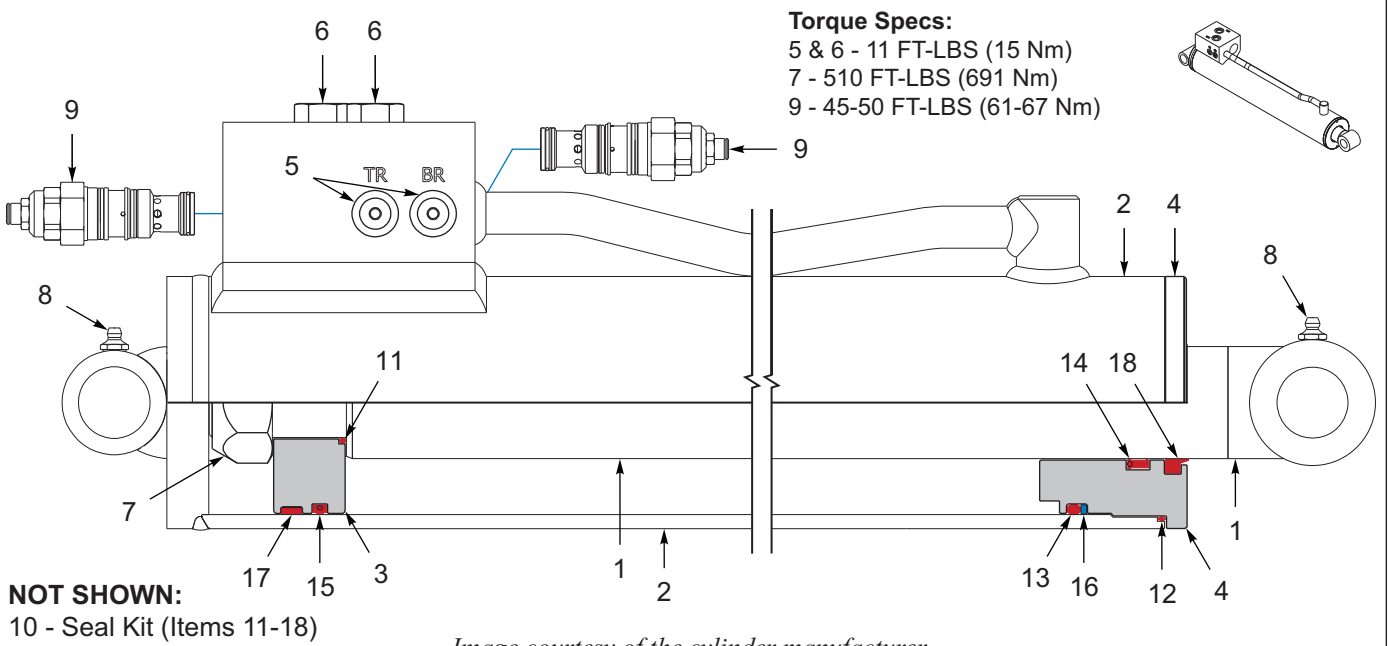


Image courtesy of the cylinder manufacturer.
Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-10: Cylinder Components, 4 x 20

Cylinder Components, 4 x 20

ITEM	PART NUMBER	DESCRIPTION	QTY.
	196588	CYLINDER 4X20 W/CB	1
1	- - - - -	PISTON ROD ASSEMBLY	1
2	- - - - -	BUTT & TUBE ASSEMBLY	1
3	- - - - -	PISTON	1
4	- - - - -	GLAND	1
5	- - - - -	HEX PLUG, #4 SAE HOLLOW	4
6	- - - - -	HEX PLUG, #8 SAE HEAD	2
7	220000212	NUT LOCKING 1-242-010042	1
8	125565	GREASE ZERK (270010002)	2
9	218141	VONBERG,CB,30GPM 10:1 SPCL SET **(COUNTERBALANCE CARTRIDGE VALVE)**	2
10	223959	SEAL KIT 4"X20" CYL (196588) **(INCLUDES ITEMS 11-18)**	1
11	- - - - -	O-RING **(INCLUDED WITH ITEM 10)**	1
12	- - - - -	O-RING **(INCLUDED WITH ITEM 10)**	1
13	- - - - -	O-RING **(INCLUDED WITH ITEM 10)**	1
14	- - - - -	U-CUP **(INCLUDED WITH ITEM 10)**	1
15	- - - - -	CROWN SEAL **(INCLUDED WITH ITEM 10)**	1
16	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 10)**	1
17	- - - - -	BEARING RING **(INCLUDED WITH ITEM 10)**	1
18	- - - - -	WIPER **(INCLUDED WITH ITEM 10)**	1

Cylinder Components, 4 x 126

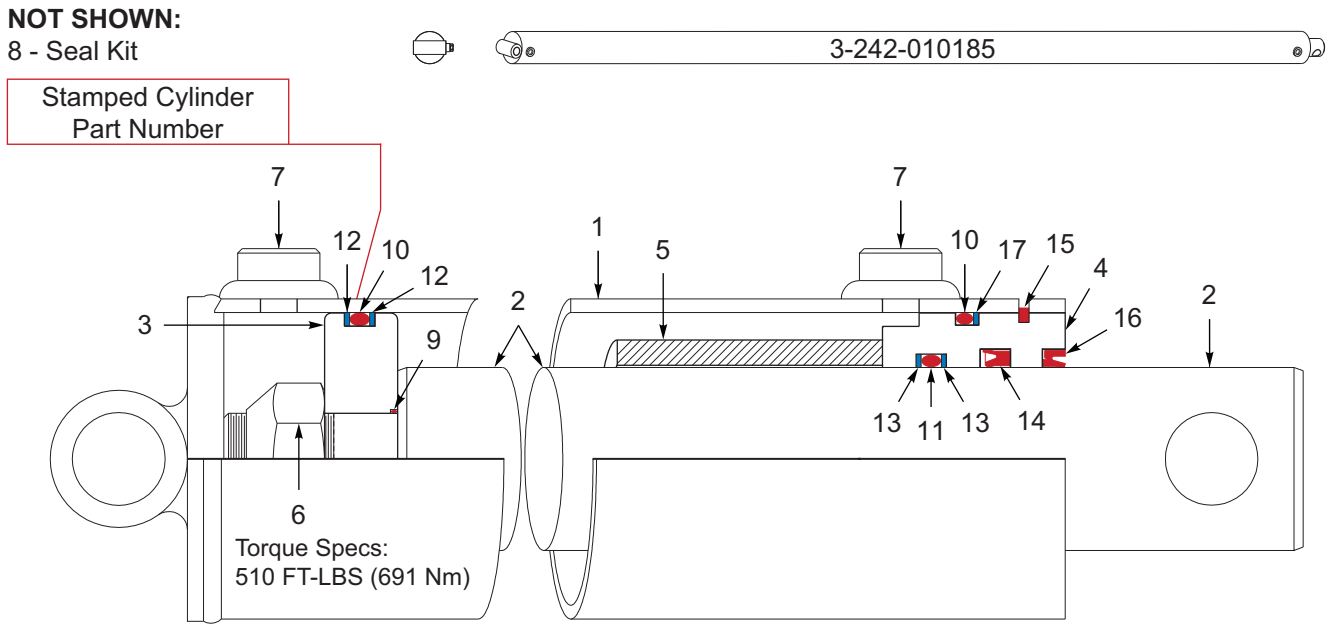


Image courtesy of the cylinder manufacturer.
Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-11: Cylinder Components, 4 x 126

Cylinder Components, 4 x 126

ITEM	PART NUMBER	DESCRIPTION	QTY.
	3-242-010185	CYLINDER 4X126 LOADOLL	1
1	- - - - -	BUTT AND TUBE ASSEMBLY	1
2	011300179	PISTON ROD	1
3	071900195	PISTON, 4X126 CYL	1
4	081900277	GLAND FOR 3-242-010103	1
5	- - - - -	SPACER	1
6	220000212	NUT LOCKING 1-242-010042	1
7	- - - - -	SAE ORB PLUG	2
8	PMCK-BB-0686	PACKING KIT FOR 3-242-010185 **(NOT SHOWN) (INCLUDES ITEMS 9-17)**	1
9	- - - - -	O-RING **(INCLUDED WITH ITEM 8)**	1
10	- - - - -	O-RING **(INCLUDED WITH ITEM 8)**	2
11	- - - - -	O-RING **(INCLUDED WITH ITEM 8)**	1
12	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 8)**	2
13	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 8)**	2
14	- - - - -	U-CUP **(INCLUDED WITH ITEM 8)**	1
15	- - - - -	SQUARE WIRE RETAINER **(INCLUDED WITH ITEM 8)**	1
16	- - - - -	CANNED WIPER **(INCLUDED WITH ITEM 8)**	1
17	- - - - -	BU-WASHER **(INCLUDED WITH ITEM 8)**	1

Valve Assembly, 3 Spool Solenoid

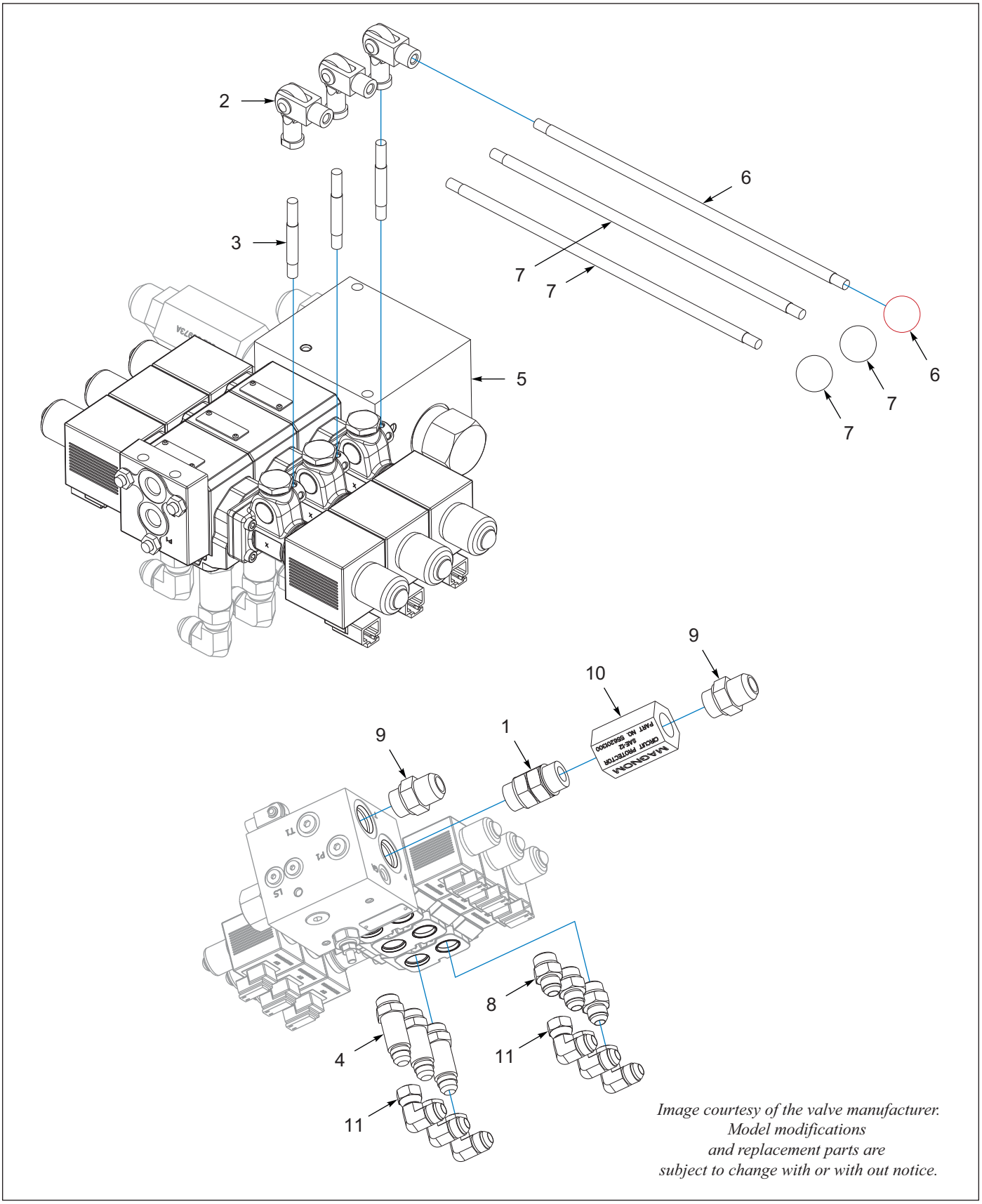


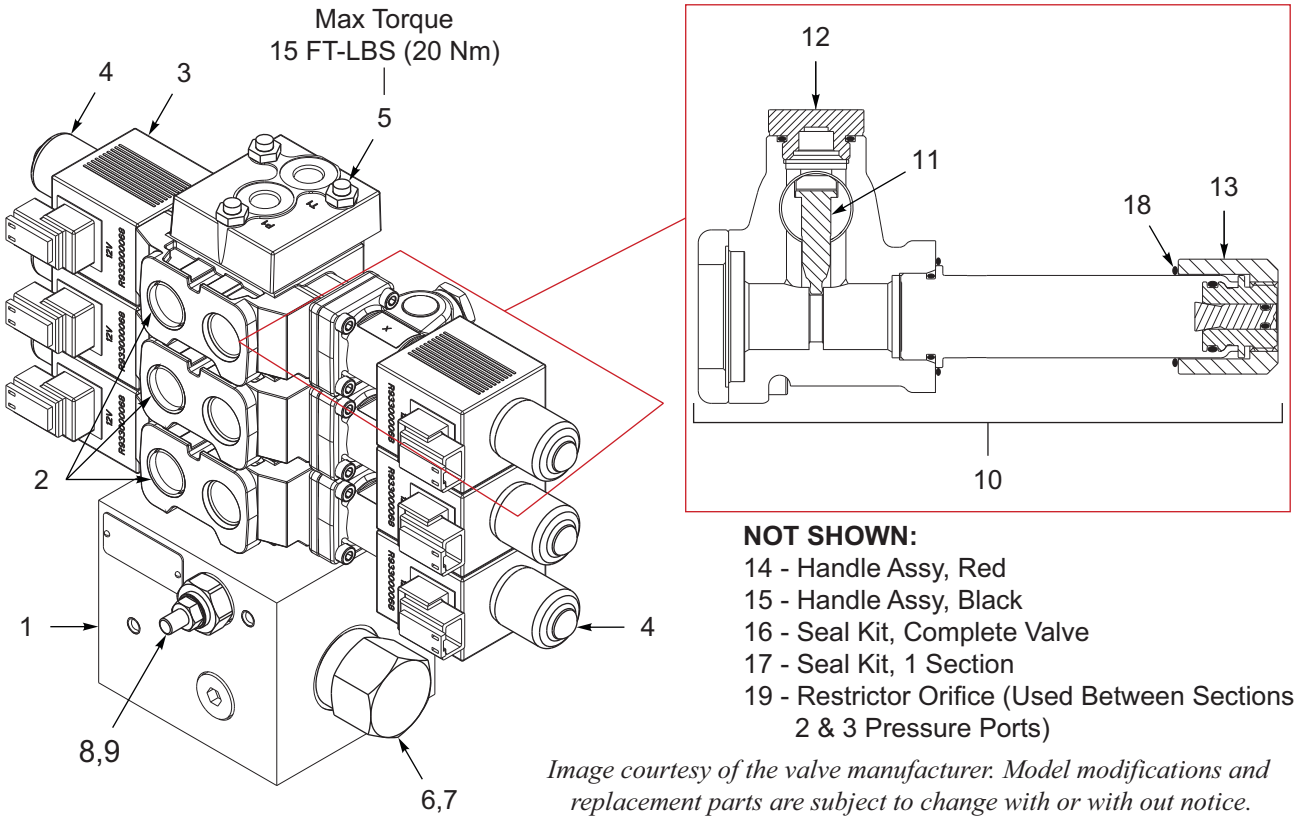
Image courtesy of the valve manufacturer. Model modifications and replacement parts are subject to change with or with out notice.

Figure 11-12: Valve Assembly, 3 Spool Solenoid

Valve Assembly, 3 Spool Solenoid

ITEM	PART NUMBER	DESCRIPTION	QTY.
	194439	VALVE REXROTH ASSY 300A **(INCLUDES ITEMS 1-11)**	1
1	158581	ADAPTER STR #12 ORB - #12 ORB	1
2	186875	CLEVIS JOINT,ROD ENDS M8.1.25	3
3	186902	STUD M8X1.25X65MM,DBL THD	3
4	189285	ADAPTER STR LONG #10 ORB#8MJIC	3
5	202430	VALVE 3 SPOOL MOTOR W/ORIF **(COMPONENTS - SEE PAGE 11-21)** **(INCLUDES ITEMS 6-7)**	1
6	191849	HANDLE,RED,12",M8-125 THREAD **(INCLUDED WITH ITEM 5)** **(INCLUDES 208386 RED KNOB & 186878 ROD ASSEMBLY)**	1
7	191850	HANDLE,BLACK,12",M8-125 THREAD **(INCLUDED WITH ITEM 5)** **(INCLUDES 186877 BLACK KNOB & 186878 ROD ASSEMBLY)**	2
8	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	3
9	202702-12-12S	ADAPTER,#12 O-RING X #12 TUBE	2
10	204124	FILTER HYD IN-LINE MAGNETIC	1
11	2071-8-8S	ADAPTER90 #8 FLR SWIVEL #8JIC	6

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
19 - Restrictor Orifice (Used Between Sections 2 & 3 Pressure Ports)

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

Figure 11-13: Valve Components, 3 Spool Solenoid

Valve Components, 3 Spool Solenoid

ITEM	PART NUMBER	DESCRIPTION	QTY.
	202430	VALVE 3 SPOOL MOTOR W/ORIF	- -
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
19	202190	RESTRICTOR1/8"DIA ORIFICE15GPM	1

Valve Components, Counterbalance, Dual

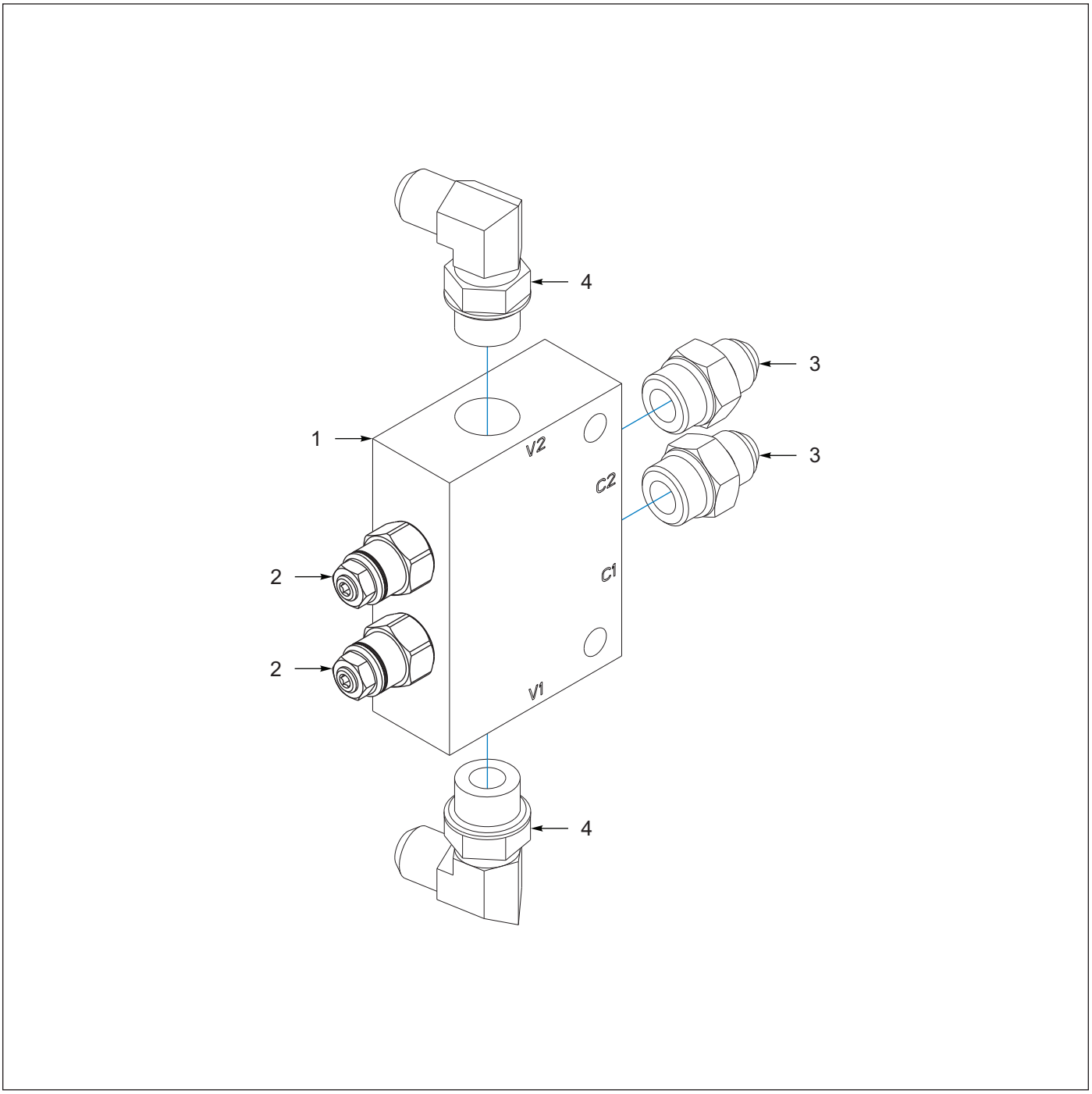


Figure 11-14: Valve Components, Counterbalance, Dual

Valve Components, Counterbalance, Dual

ITEM	PART NUMBER	DESCRIPTION	QTY.
	197450	VALVE DUAL CB ASSY 343A **(INCLUDES ITEMS 1-4)**	1
1	184585	VALVE,DUAL COUNTER BALANCE,30G **(INCLUDES ITEM 2)**	1
2	236533	COUNTERBALANCE CARTRIDGE SAE10 **(INCLUDED WITH ITEM 1)**	2
3	202702-10-8S	ADAPTER, #10 O-RING #8 TUBE	2
4	2062-10-8S	ADAPTER,90, #10 O-RING-TUBE	2

Chapter 12
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 OR **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
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
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

DATA PLATE

The Data Plate, which lists the model number and serial number, is located on the front of the frame.

SERIAL NUMBER

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

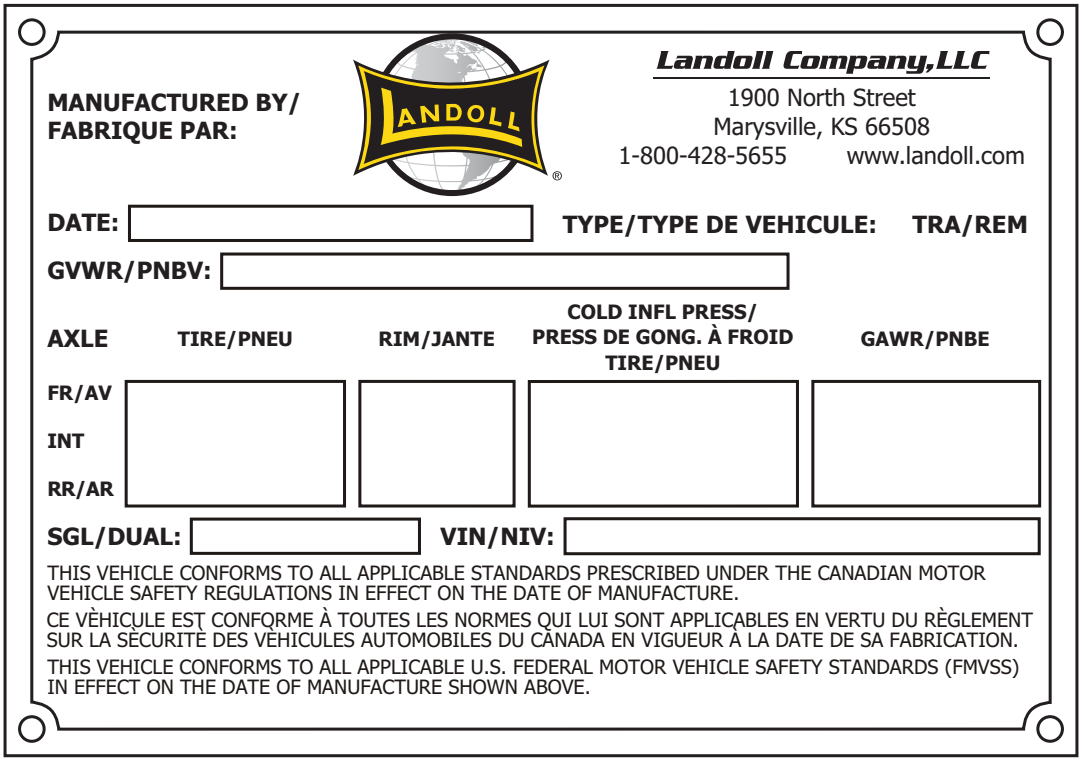


Figure: Data Plate

Manuals for 343B/344B Trailers

Manual Number	Manual Type
F-1177	Operator's Manual
F-1178	Parts Manual

Document Control Revision Log:

Date	Form #	Improvement(s): Description and Comments
11/19/2024	F-1178-2411	New Release
01/08/2025	F-1178-2501	Added New Replacement 42" x 26" x 17" Toolbox Assembly.
11/05/2025	F-1178-2511	Updated with Corrections, Updates and ECN’s.

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

343B / 344

Parts Manual

Re-Order Part Number F-1178

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