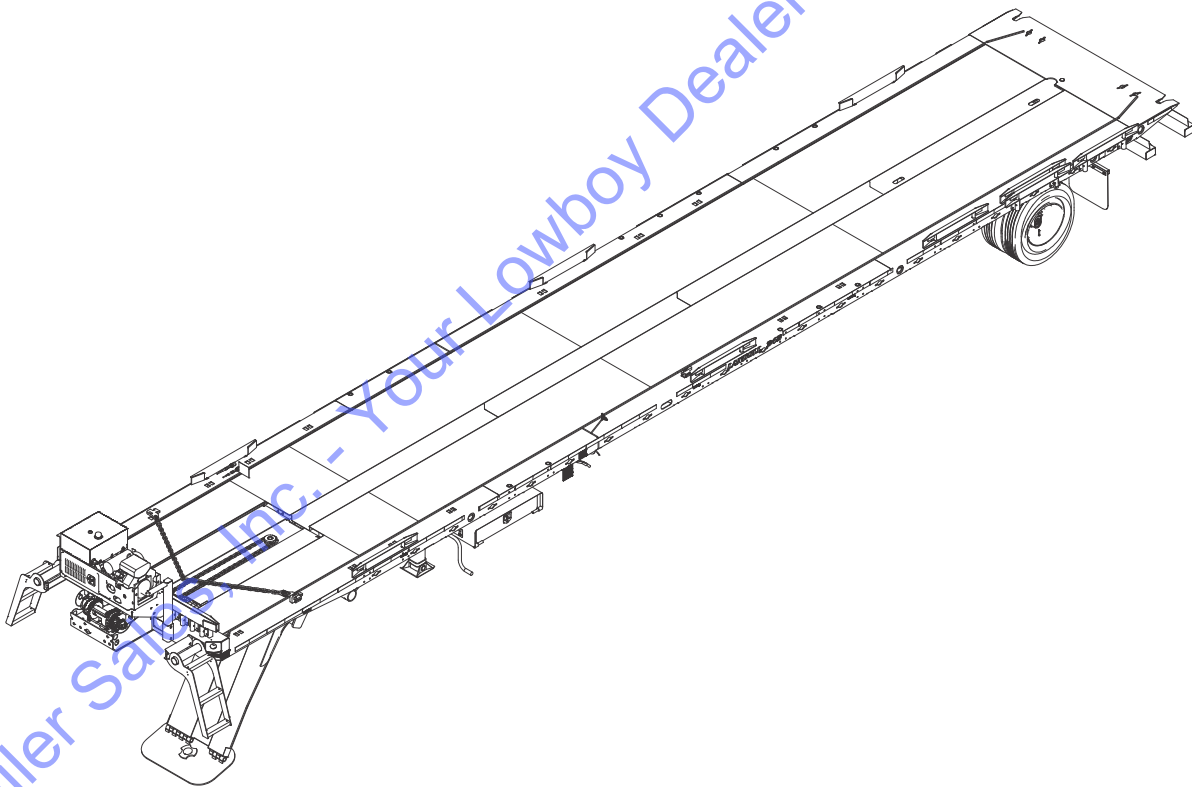




Model 343 Semitrailer Parts Manual



LANDOLL CORPORATION

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TM Trailer Sales, Inc. - Your Lowboy Dealer - www.lowboydealer.com

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Illustrated Parts List

Instructions For Ordering Parts

ORDER PARTS FROM LANDOLL PARTS DISTRIBUTION CENTER

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

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

FAX NO: 888-527-3909

ORDER ONLINE: Dealer.landoll.com

IDENTIFICATION PLATE

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

SERIAL NUMBER NOMENCLATURE

The serial number for the Mode 343C Series Semitrailer is located on the identification plate.

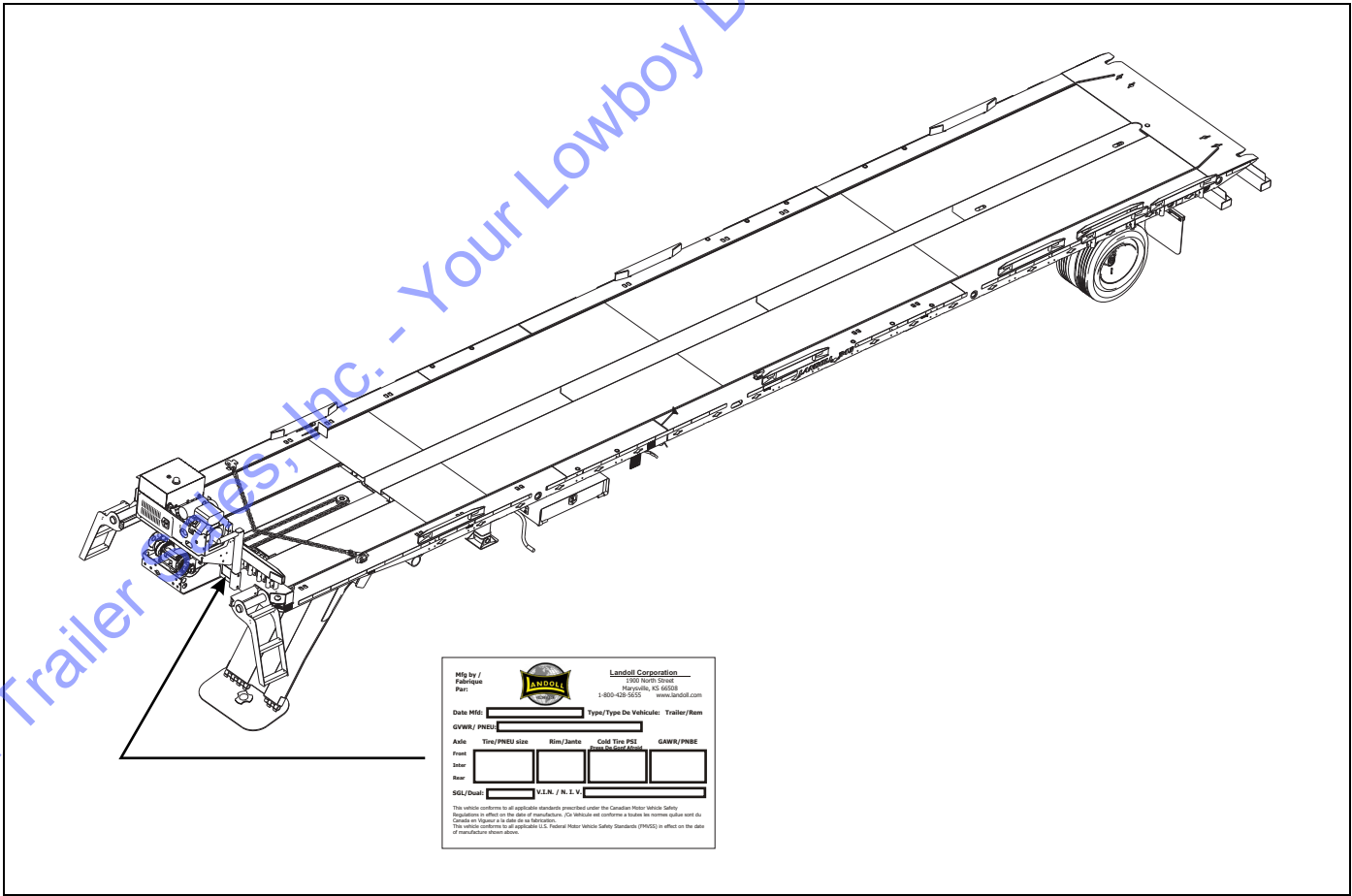


Figure 1-1: Identification Plate and Location

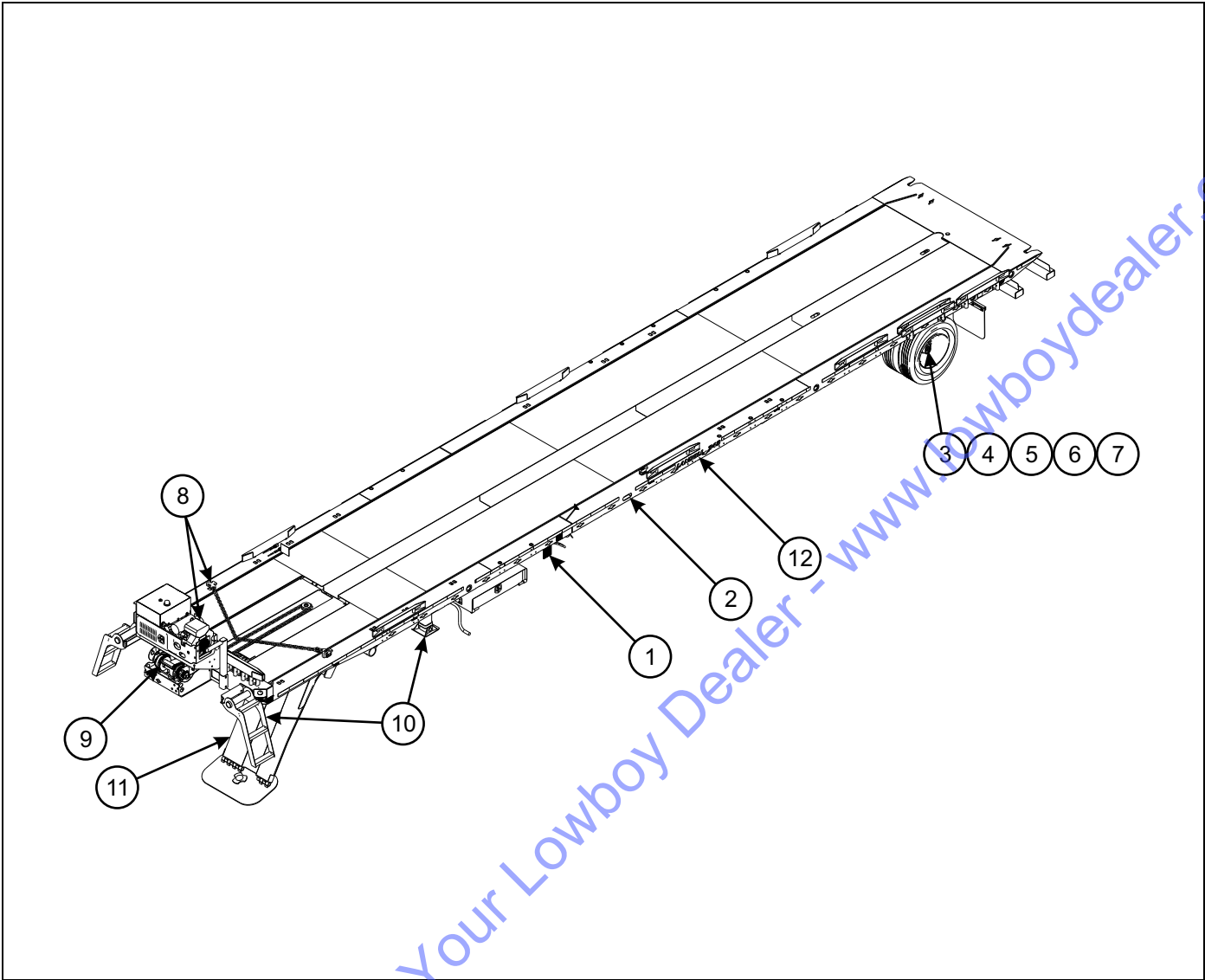


Figure 1-2: General Assembly

General Assembly

ITEM	PAGE NO.	DESCRIPTION	QTY.
1	1-3 - 1-13	HYDRAULIC SYSTEM AND ASSEMBLIES	
2	1-14 - 1-16	ELECTRICAL SYSTEM	
3	1-17 - 1-23	UNDERCARRIAGE ASSEMBLIES	
4	1-24 - 1-29	AIR RIDE SUSPENSION	
5	1-30 - 1-33	AIR BRAKE SYSTEMS	
6	1-34 - 1-39	AXLE AND BRAKE	
7	1-40 - 1-45	HUB AND DRUM ASSEMBLY & TIRE INFLATION SYSTEM	
8	1-46 - 1-59	GEARBOX & CONTAINER ASSEMBLIES	
9	1-60 - 1-68	WINCH ASSEMBLIES	
10	1-69 - 1-72	LANDING GEAR & LADDER ASSEMBLY	
11	1-73 - 1-73	HITCH ASSEMBLY	
12	1-74 - 1-76	DECAL INSTALLATION	
13	1-77 - 1-100	MISCELLANEOUS OPTIONS (NOT SHOWN)	

Hydraulic Electrical Air

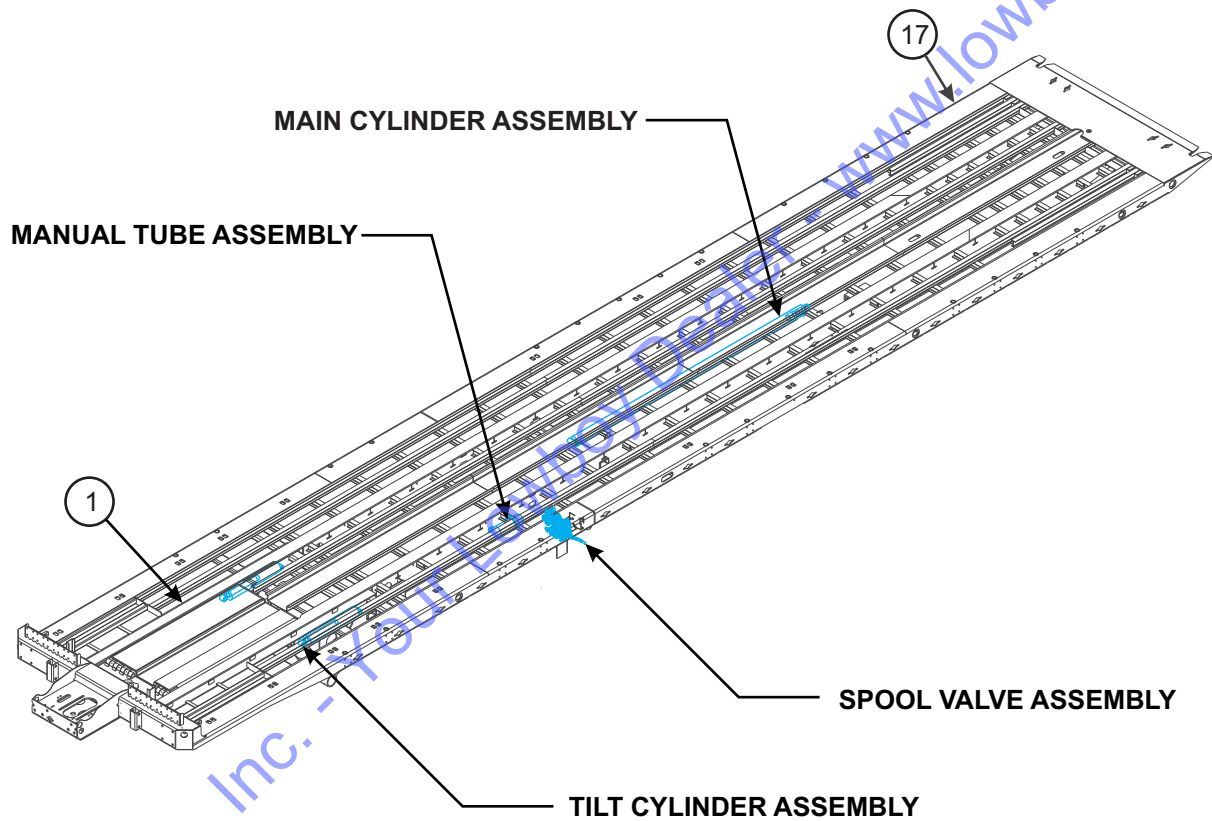
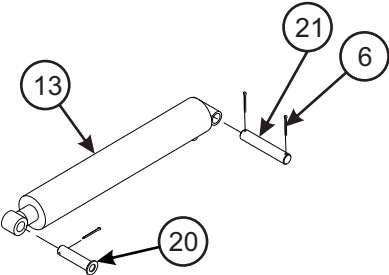
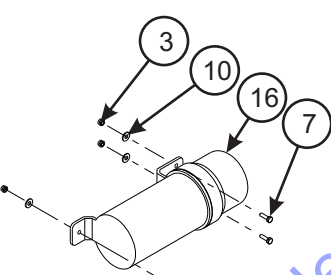


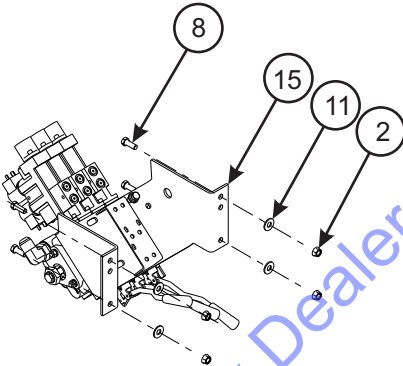
Figure 1-3: General Assembly (1 of 2)



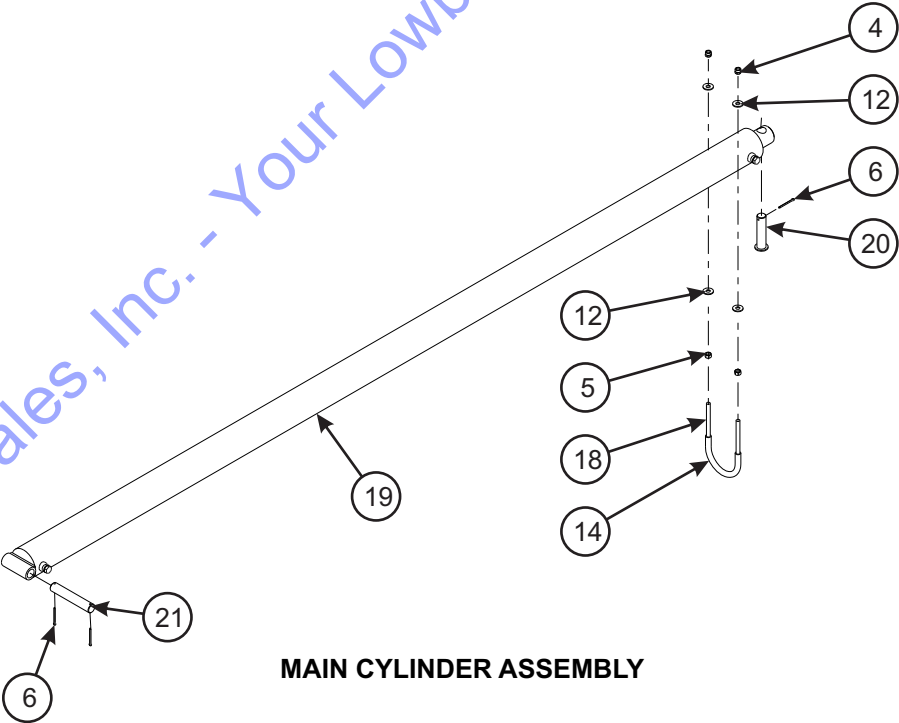
TILT CYLINDER ASSEMBLY



MANUAL TUBE ASSEMBLY



SPOOL VALVE ASSEMBLY



MAIN CYLINDER ASSEMBLY

Figure 1-4: General Assembly (2 of 2)

General Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	178708	HYDRAULIC ELECTRICAL AIR, 343-46, W/ REMOTE	
	178664	HYDRAULIC ELECTRICAL AIR, 343-50, W/ REMOTE	
	180934	HYDRAULIC ELECTRICAL AIR, 343-43, W/ REMOTE	
1	1-394-010002	HOSE ABRASION SLEEVE 2-7/8	24
2	1-510-010001	NUT, FLANGE LOCK 3/8-16	4
3	1-512-010005-01	NUT, HEX LOCK 1/4-20 GRB	2
4	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	3
5	1-512-010007-09	NUT, HEX 1/2-13 GRB	2
6	1-557-010362-54	PIN, COTTER 3/16 X 2-1/4	9
7	1-654-010047-05	SCREW, HEX HEAD CAP 1/4-20 X 7/8 GR5	3
8	1-654-010051-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	4
9	1-796-010003-02	TIE WRAPS (NOT SHOWN)	40
10	1-861-010032-07	WASHER, FLAT 1/4	3
11	1-861-010032-11	WASHER, FLAT 3/8W	4
12	1-861-010032-15	WASHER, FLAT 1/2W	4
13	126972	CYLINDER, HYDRAULIC 4 X 20 WELDED (SEE PAGE 1-10)	2
14	145503	HOSE, HYDRAULIC 1/2	1
15	148242	VALVE ASSEMBLY, 3 SPOOL (SEE PAGE 1-12)	1
16	150076	MANUAL HOLDER	1
17	175975	FRAME WELDMENT, 343-102-50	REF
	178685	FRAME WELDMENT, 343-102-46	REF
	180913	FRAME WELDMENT, 343-102-43	REF
18	185610	U-BOLT, CYLINDER, 1/2 X 5-1/2 X 6-1/2	1
19	3-242-010185	CYLINDER, HYDRAULIC 4 X 126 (SEE PAGE 1-9)	1
20	3-557-010032	PIN, CYLINDER U/C	3
21	3-557-010182	PIN, CYLINDER END 1-1/4 X 7-1/8	3

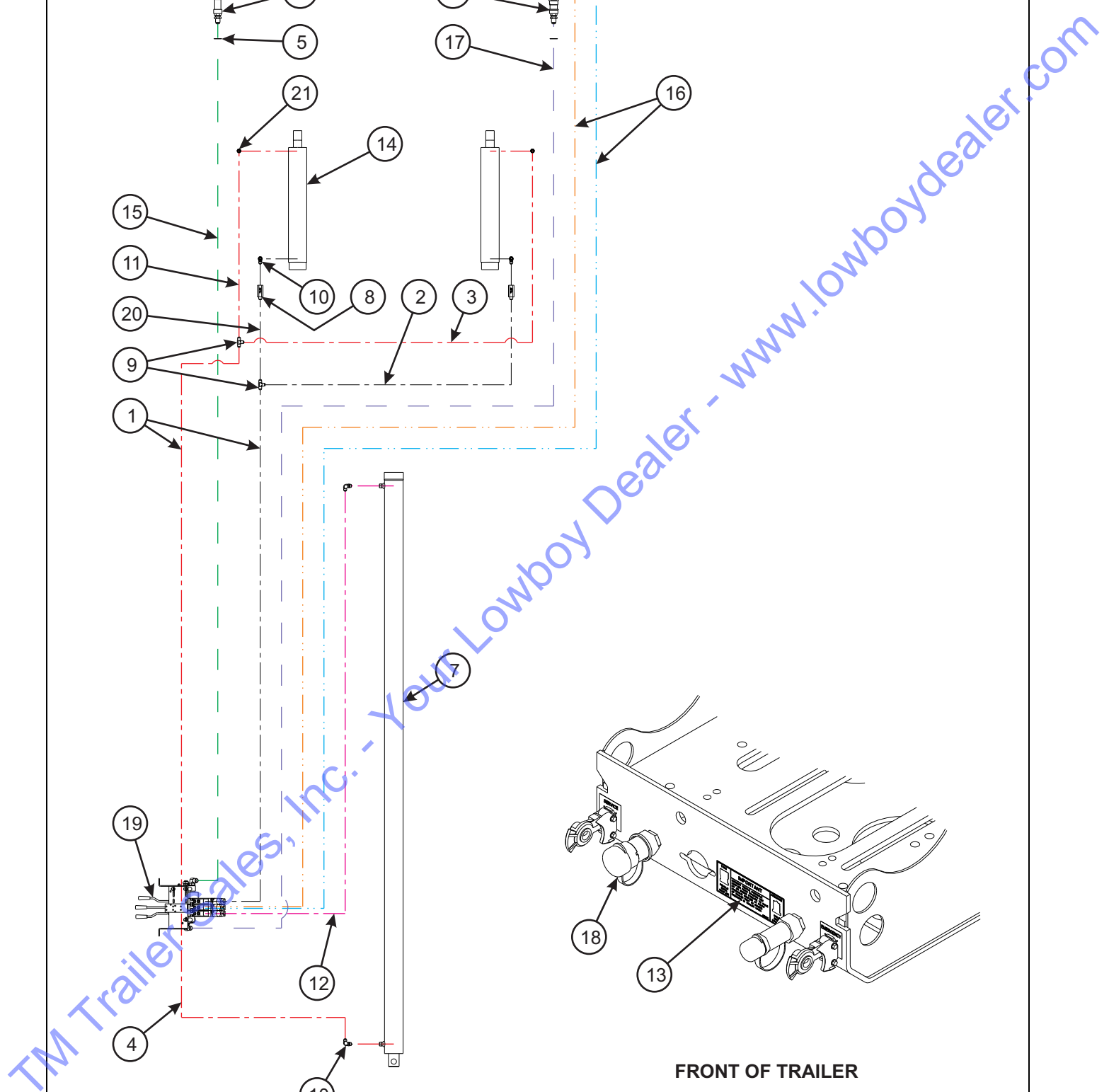


Figure 1-5: Hydraulic System

Hydraulic System

ITEM	PART NO.	DESCRIPTION	QTY.		
	178708	HYDRAULIC ELECTRICAL AIR, 343-46, W/ REMOTE	*		
	178664	HYDRAULIC ELECTRICAL AIR, 343-50, W/ REMOTE		*	
	180934	HYDRAULIC ELECTRICAL AIR, 343-43, W/ REMOTE			*
1	1-397-010301090	HOSE ASSEMBLY 1/2 X 90	2	2	2
2	1-397-010301100	HOSE ASSEMBLY 1/2 X 100	1	1	1
3	1-397-010301114	HOSE ASSEMBLY 1/2 X 114	1	1	1
4	1-397-010301184	HOSE ASSEMBLY 1/2 X 184 - 46'	1	--	--
	1-397-010301220	HOSE ASSEMBLY 1/2 X 220 - 50'	--	1	--
	1-397-010301148	HOSE ASSEMBLY 1/2 X 220 - 43'	--	--	1
5	1-861-010059-21	WASHER, LOCKING INT TOOTH 1-1/8	2	2	2
6	3-201-010002	CONDUIT, PLASTIC FLEX 3/8 (NOT SHOWN)	14	14	14
7	3-242-010185	CYLINDER, HYDRAULIC 4 X 126 (SEE PAGE 1-9)	REF	REF	REF
8	3-846-010155	VALVE, RESTRICTOR	2	2	2
9	2033-8-8S	ADAPTER, TEE	2	2	2
10	2062-8-8S	ADAPTER, 90	4	4	4
11	51039-03	HOSE ASSEMBLY 1/2 X 71'	1	1	1
12	121002	HOSE ASSEMBLY 1/2 X 45 - 46'	1	--	--
	100063	HOSE ASSEMBLY 1/2 X 92 - 50'	--	1	--
	168521	HOSE ASSEMBLY 1/2 X 92 - 43'	--	--	1
13	105822	DECAL, HYDRAULIC COUPLER (SEE PAGE 1-76)	1	1	1
14	126972	CYLINDER, 4 X 20 WELDED (SEE PAGE 1-10)	REF	REF	REF
15	128470	HOSE ASSEMBLY 3/4 X 90	1	1	1
16	128472	HOSE ASSEMBLY 1/2 X 374	2	2	2
17	131265	HOSE ASSEMBLY 3/4 X 338	1	1	1
18	143163	CONNECTORS, FRONT SUB-ASSY (SEE PAGE 1-11)	1	1	1
19	148242	VALVE ASSEMBLY 3 SPOOL (SEE PAGE 1-12)	REF	REF	REF
20	166910	HOSE ASSEMBLY 1/2 X 58	1	1	1
21	202702-8-8S	ADAPTER	2	2	2

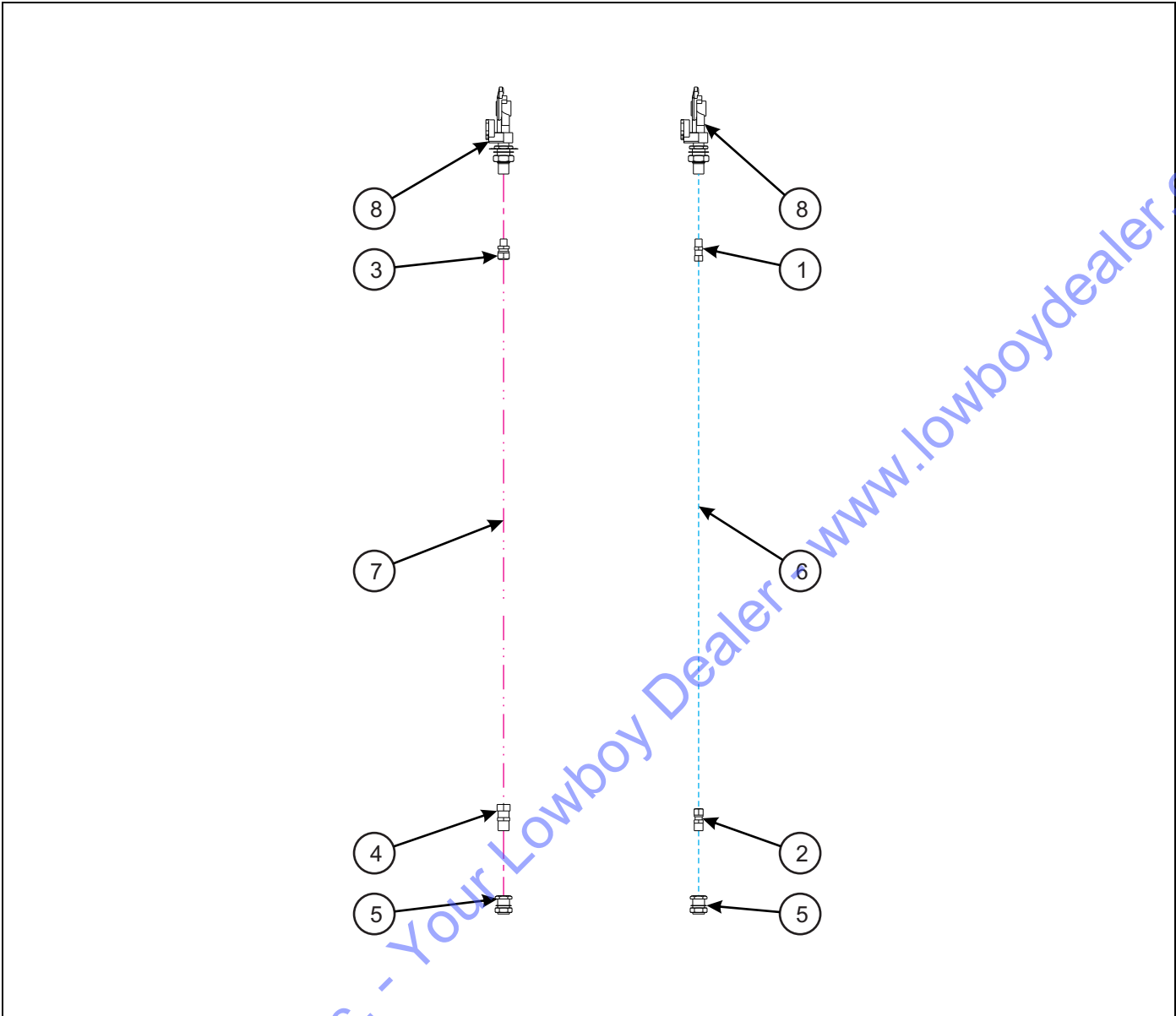


Figure 1-6: Air System

Air System

ITEM	PART NO.	DESCRIPTION	QTY.
	178708	HYDRAULIC ELECTRICAL AIR, 343-46, W/ REMOTE	
	178664	HYDRAULIC ELECTRICAL AIR, 343-50, W/ REMOTE	
	180934	HYDRAULIC ELECTRICAL AIR, 343-43, W/ REMOTE	
1	1-297-010007-11	FITTING, AIR	1
2	1-297-010007-12	FITTING, AIR	1
3	1-297-010007-14	FITTING, AIR	1
4	1-297-010007-15	FITTING, AIR	1
5	1-297-010022-03	FITTING, AIR ANCHOR COUPLING	2
6	1-833-010002	TUBING, NYLON 3/8 OD	AR
7	1-833-010003	TUBING, NYLON 1/2	AR
8	143163	CONNECTORS, FRONT SUB-ASSEMBLY (SEE PAGE 1-11)	REF

Cylinders & Connectors

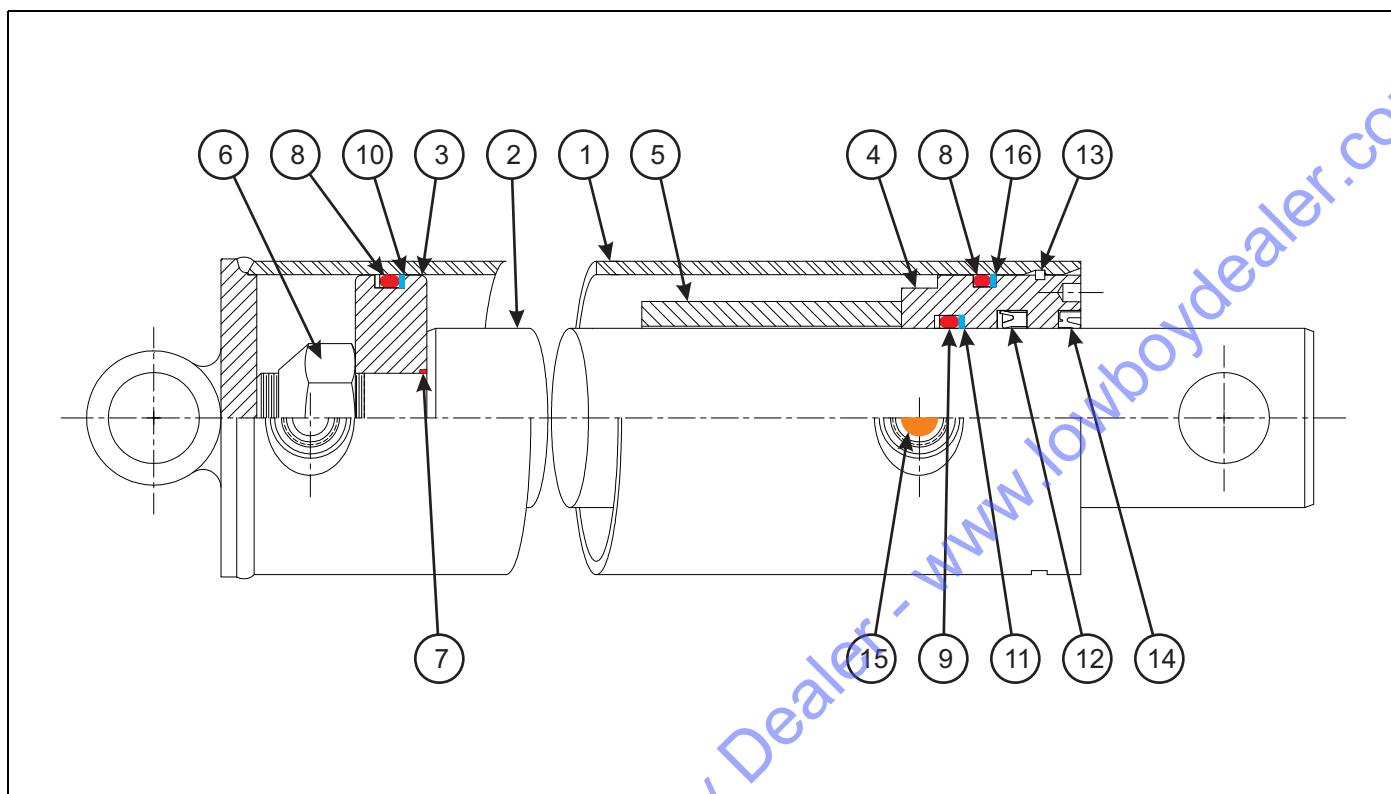


Figure 1-7: Hydraulic Cylinder - 4 x 126

Hydraulic Cylinder - 4 x 126

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010185	CYLINDER, HYDRAULIC 4" X 126"	
1	----	BUTT AND TUBE ASSEMBLY	1
2	011300179	PISTON ROD	1
3	-----	PISTON	1
4	081900277	GLAND	1
5	-----	SPACER	1
6	-----	LOCKNUT, 1-1/4-14	1
7	-----	O-RING	1
8	-----	O-RING	2
9	-----	O-RING	1
10	-----	BU-WASHER	2
11	-----	BU-WASHER	2
12	-----	U-CUP	1
13	-----	SQUARE RETAINER RING	1
14	-----	WIPER	1
15	-----	SAE ORB PLUG	2
16	-----	BU-WASHER	1
17	-----	INSTALLATION RING (NOT SHOWN)	1
18	-----	WIPER (NOT SHOWN)	1
	180636	PACKING KIT (ITEMS 6-13 & 15-18)	

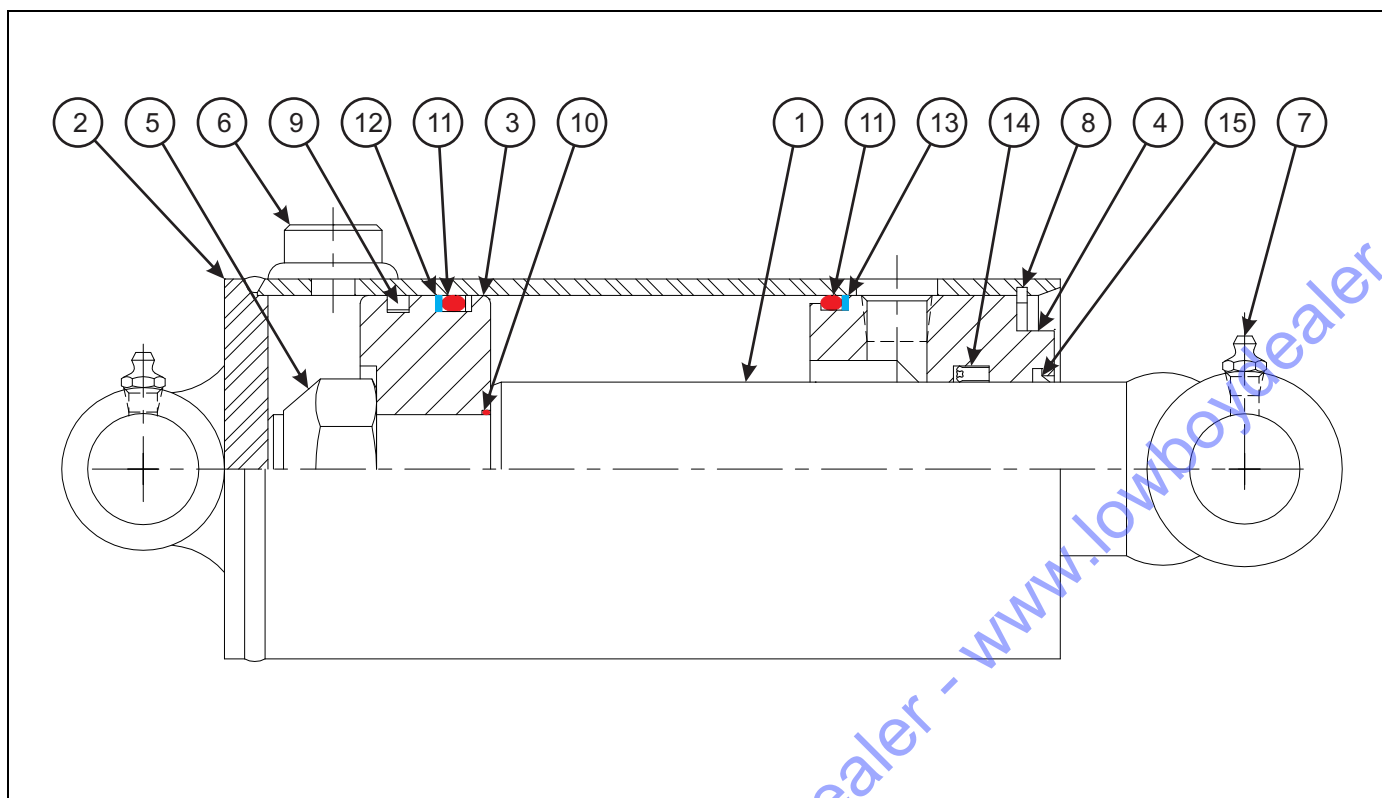


Figure 1-8: Hydraulic Cylinder - 4 x 20

Hydraulic Cylinder - 4 x 20

ITEM	PART NO.	DESCRIPTION	QTY.
	126972	CYLINDER, HYDRAULIC 4 X 20 WELDED	
1	166730	PISTON ROD ASSEMBLY (UNITS BUILT BEFORE 2/21/2014)	1
	021100XXX	PISTON ROD ASSEMBLY (UNITS BUILT AFTER 02/21/2014)	1
2	----	BUTT AND TUBE ASSEMBLY	1
3	----	PISTON	1
4	166731	GLAND (UNITS BUILT BEFORE 2/21/2014)	1
	081900577	GLAND (UNITS BUILT AFTER 2/21/2014)	1
5	----	LOCKNUT	1
6	----	PORT PLUG	2
7	----	GREASE ZERK	2
8	----	SNAP RING RETAINER	1
9	----	PISTON RING	1
10	----	O-RING	1
11	----	O-RING	2
12	----	BU-WASHER	2
13	----	BU-WASHER	1
14	----	U-CUP	1
15	----	WIPER	1
16	----	BU-WASHER (NOT SHOWN)	1
17	----	QUAD RING (NOT SHOWN)	1

PMCK5600

PACKING KIT (ITEMS 8 - 17) (UNITS BUILT BEFORE 2/21/2014)

PMCK-BT-0531

PACKING KIT (ITEMS 8 - 17) (UNITS BUILT BEFORE 2/21/2014)

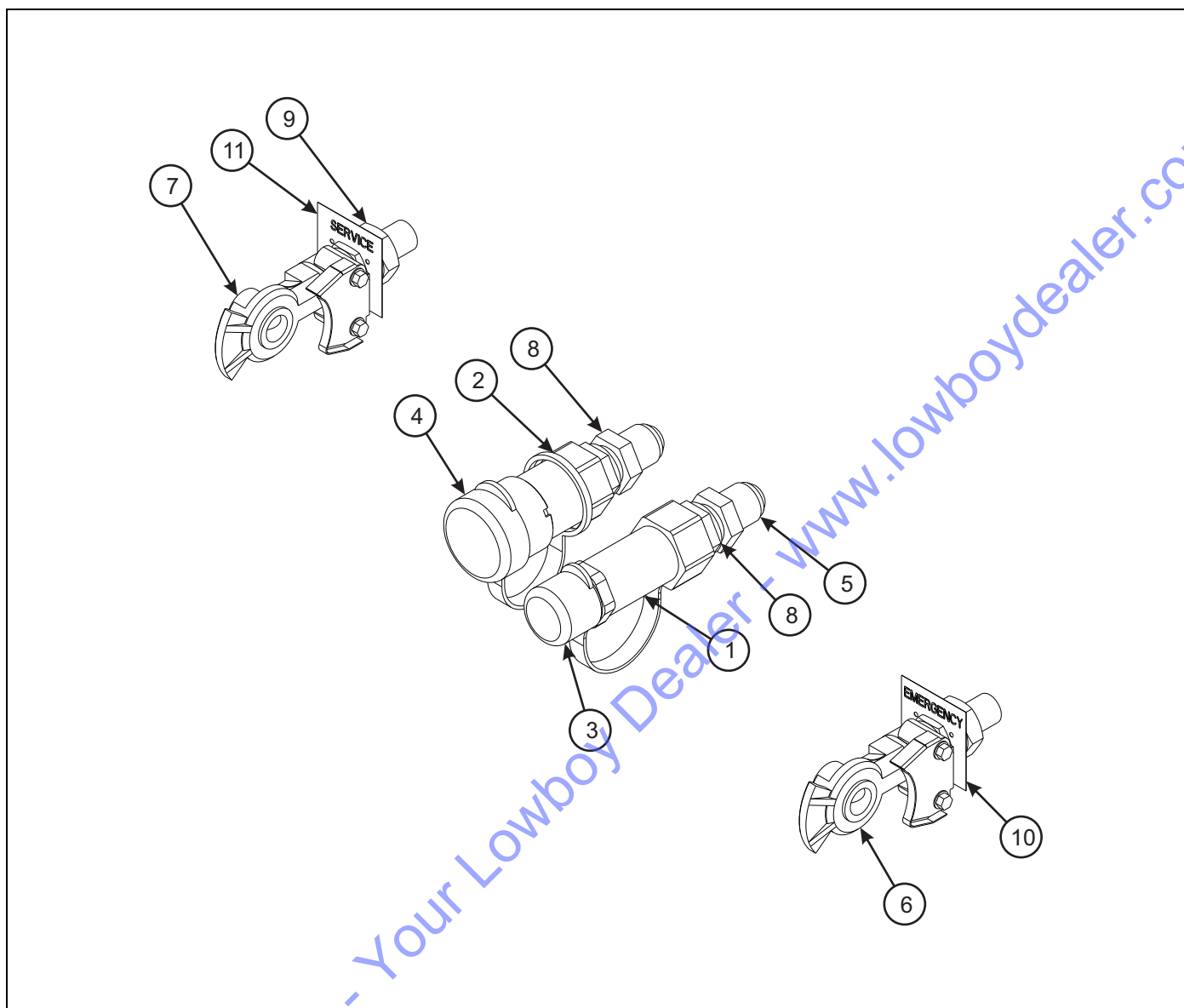


Figure 1-9: Connectors - Front Sub Assembly

Connectors - Front Sub Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	143163	CONNECTOR ASSEMBLY, FRONT SUB	REF
1	105479	COUPLER, FLAT FACE MALE	1
2	105480	COUPLER, FLAT FACE FEMALE	1
3	105481	COUPLER, DUST CAP MALE	1
4	105482	COUPLER, DUST CAP FEMALE	1
5	105483	ADAPTER, BULKHEAD 12JIC-12ORING	2
6	108801	GLADHAND, RED AIR	1
7	108802	GLADHAND, BLUE AIR	1
8	169365	SPACER, HYDRAULIC COUPLER	2
9	55B61	FRAME UNION	2
10	55B61-6	TAG EMERGENCY LINE	1
11	55B61-7	TAG SERVICE LINE	1

Valves

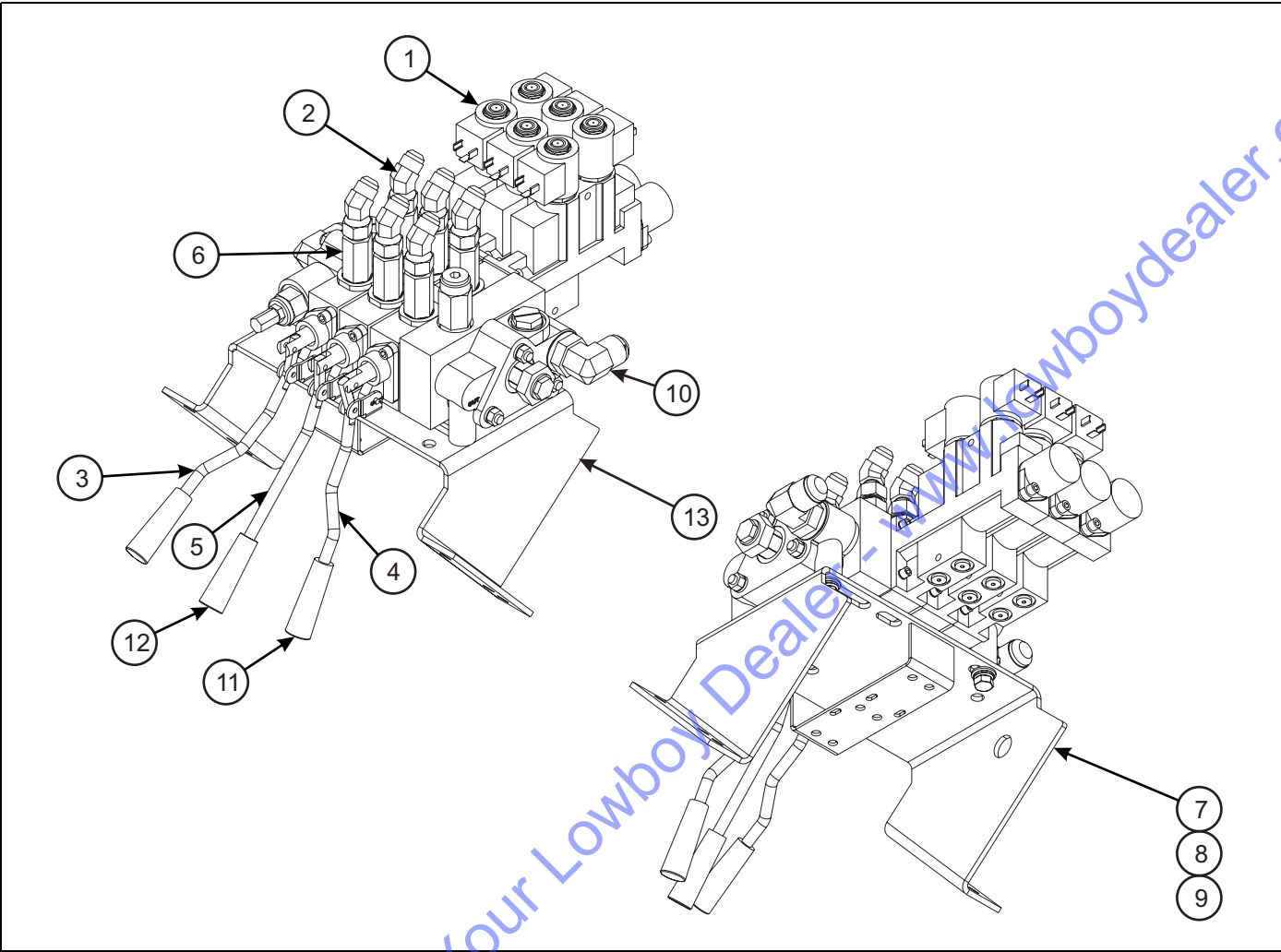


Figure 1-10: Valve Assembly - Three Spool

Valve Assembly - Three Spool

ITEM	PART NO.	DESCRIPTION	QTY.
	148242	VALVE ASSEMBLY	
1	148240	VALVE, 3 STACK 2ND MOTOR SOL (SEE PAGE 1-13)	1
2	121031	ADAPTER 45	6
3	136377	VALVE HANDLE, RH FORMED	1
4	136378	VALVE HANDLE, LH FORMED	1
5	139519	VALVE HANDLE, CENTER FORMED	1
6	140893	ADAPTER, STR	6
7	1-654-010051-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	3
8	1-861-010032-10	WASHER, FLAT 3/8N	3
9	1-861-010034-11	WASHER, SPLIT LOCK 3/8	3
10	2062-10-12S	ADAPTER, 90	2
11	3-360-010072	HANDLE, PLASTIC BLACK	2
12	3-360-010090	HANDLE, PLASTIC RED	1
13	3-482-010575	MOUNT WELDMENT, VALVE	1

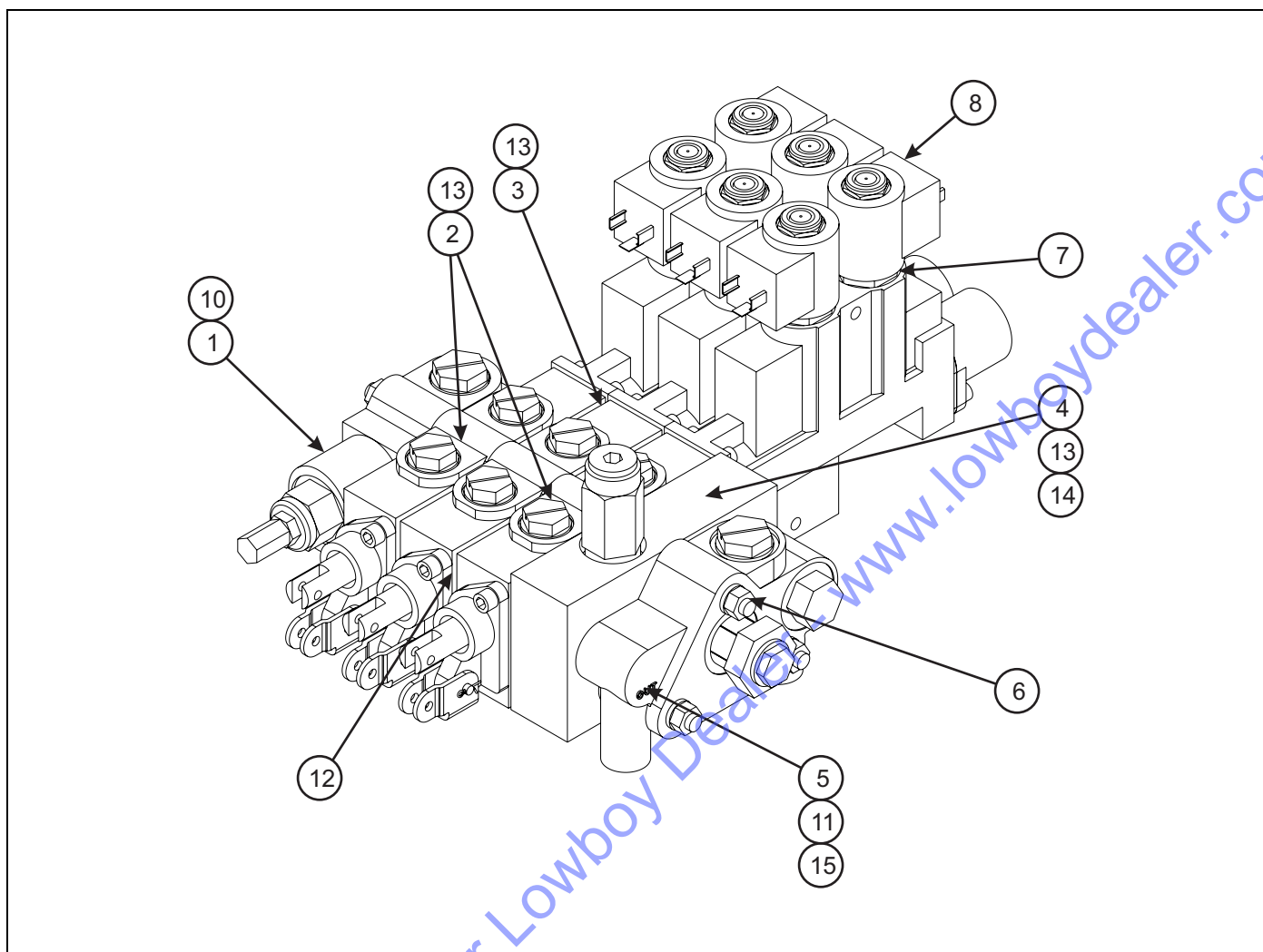


Figure 1-11: Three Stack Valve

Three Stack Valve

ITEM	PART NO.	DESCRIPTION	QTY.
	148240	THREE STACK VALVE	
1	149526	INLET SECTION KIT	
2	149527	VALVE SECTION KIT	
3	149528	VALVE SECTION KIT	
4	149529	VALVE SECTION KIT	
5	142483	OUTLET SECTION KIT	
6	149530	TIEROD KIT	
7	142484	COIL	
8	142485	CARTRIDGE	
9	142486	COIL CARTRIDGE ASSEMBLY (ITEMS 7 & 8)	
10	660580002	SEAL KIT FOR INLET SECTION	
11	660580003	SEAL KIT FOR OUTLET SECTION	
12	660580004	O-RING SEAL KIT FOR BETWEEN SECTIONS	
13	660580005	SEAL KIT FOR SOLENOID WORK SECTION	
14	149030	PRESSURE REDUCING CARTRIDGE IN UTILITY SECTION (149529)	
15	151823	PRESSURE BUILD UP CARTRIDGE IN OUTLET SECTION (142483)	

Electrical

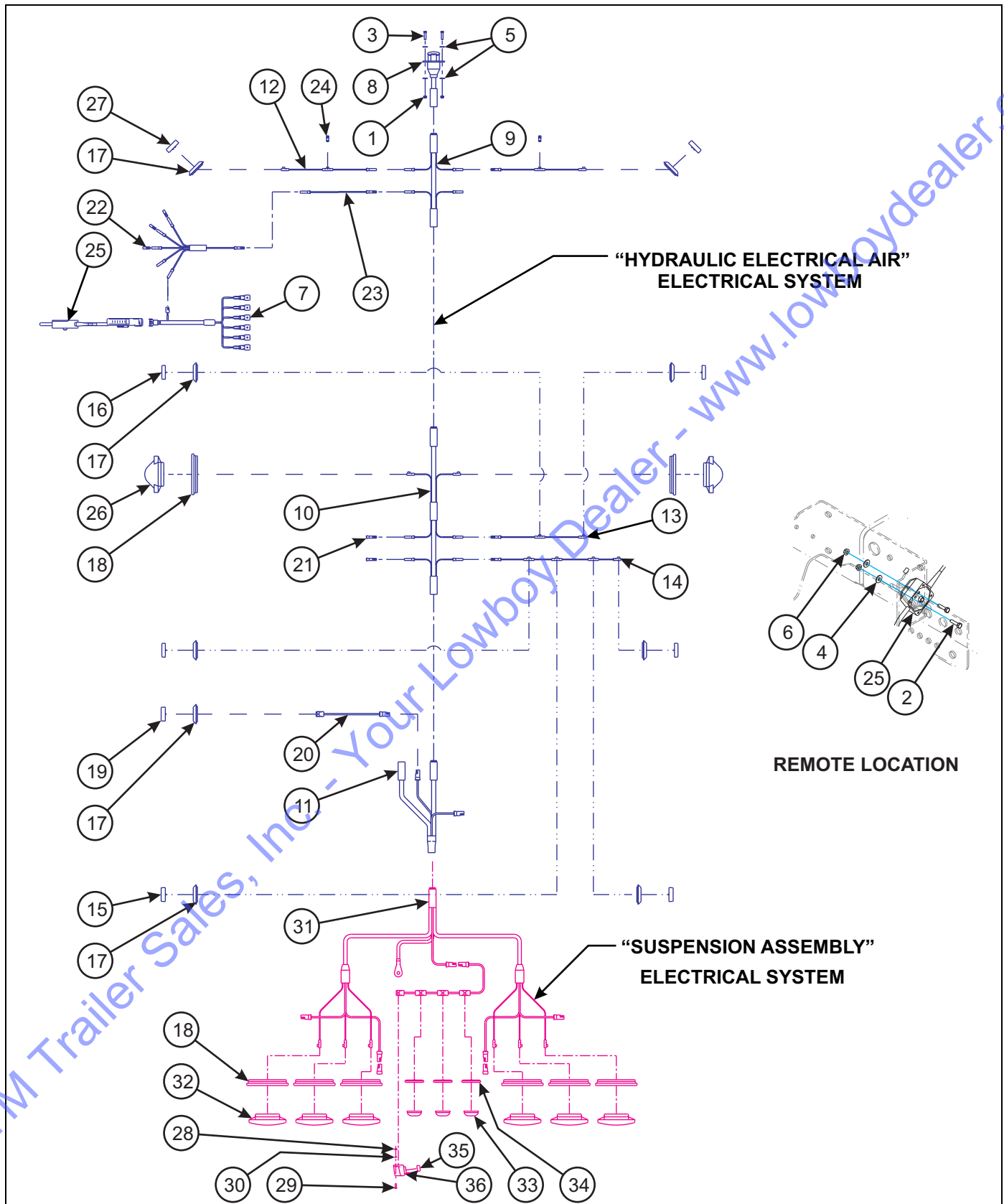


Figure 1-12: Electrical System

Electrical System

ITEM	PART NO.	DESCRIPTION	QTY.	
	178663	HYDRAULIC ELECTRICAL AIR	*	
	176337	SUSPENSION ASSEMBLY, A/R GROTE		*
1	1-512-010005-03	NUT, HEX LOCK 5/16-18 GRB	2	--
2	1-654-010047-06	SCREW, HEX HEAD CAP 1/4-20 X 1 GR5	2	--
3	1-654-010049-06	SCREW, HEX HEAD CAP 5/16-18 X 1 GR5	2	--
4	1-861-010032-07	WASHER, FLAT 1/4	2	--
5	1-861-010032-09	WASHER, FLAT 5/16W	4	--
6	108417	NUT, HEX FLANGE SPIRALOCK 1/4-20	2	--
7	140083	HARNESS ASSEMBLY, KAR-TECH	1	--
8	143100	HARNESS, 7 WAY RECEPTACLE	1	--
9	143101	HARNESS, FRONT MAIN	1	--
10	143102	HARNESS, BED MAIN (ITEM 21)	1	--
11	143103	HARNESS, E-CHAIN	REF	REF
12	143105	HARNESS, MARKER FRONT CORNER	2	--
13	143106	HARNESS, MARKER FRONT BED	1	--
14	143107	HARNESS, MARKER REAR BED	1	--
15	143108	LIGHT, RED LED 2.5 CL/MKR	2	--
	171303	LIGHT, RED CLEAR LENS, 2.5 GRT (ANNIVERSARY EDITION)	2	--
16	143109	LIGHT, YELLOW LED 2.5 CL/MARKER	4	--
	171302	LIGHT, YELLOW CLEAR LENS, 2.5 GRT (ANNIVERSARY EDITION)	4	--
	171305	LIGHT, S/T/T YELLOW CLEAR LENS GRT (ANNIVERSARY EDITION)	2	--
17	143110	GROMMET, 2.5 SURFACE MOUNT	9	--
18	143114	GROMMET, OVAL	2	6
19	143119	LIGHT, YELLOW LED ABS	1	--
20	143120	HARNESS, ABS LAMP	1	--
21	143121	DUMMY PLUG MALE/FEM BULLET	REF	--
22	150093	HARNESS, 5 AUX BRANCHES	1	--
23	150111	HARNESS, 300"	1	--
24	168524	DUMMY PLUG, PL-10	2	--
25	168648	RECEIVER/ TRANSMITTER MACRO KAR SL AX (SEE PAGE 1-16)	1	--
26	169410	LIGHT, YELLOW MID-TURN	2	--
27	171924	LIGHT, YELLOW LED 2.5 PC CL/MK	2	--
28	1-512-010007-03	NUT, HEX LOCK 10-24	--	2
29	1-656-010003051	SCREW, RD HEAD SQ NECK 10-24 X 3/4	--	2
30	1-861-010034-07	WASHER, FLAT #10	--	2
31	143104	HARNESS, BUMPER	--	1
32	143113	LIGHT, RED LED OVAL STT	--	6
	179902	LIGHT, S/T/T RED CLEAR LENS GRT (ANNIVERSARY EDITION)	--	6
33	143115	LIGHT, RED LED RECTANGLE CLEARANCE	--	3
	171925	LIGHT, RED CLEAR LENS MICRO LENS (ANNIVERSARY EDITION)	--	3
34	143116	GROMMET, RECTANGLE	--	3
35	143117	LIGHT, CLEAR LED LICENSE	--	1
36	143118	BRACKET, LIGHT LICENSE	--	1
37	43029	HOSE WRAP AEROQUIP, 1/4 (NOT SHOWN)	--	3

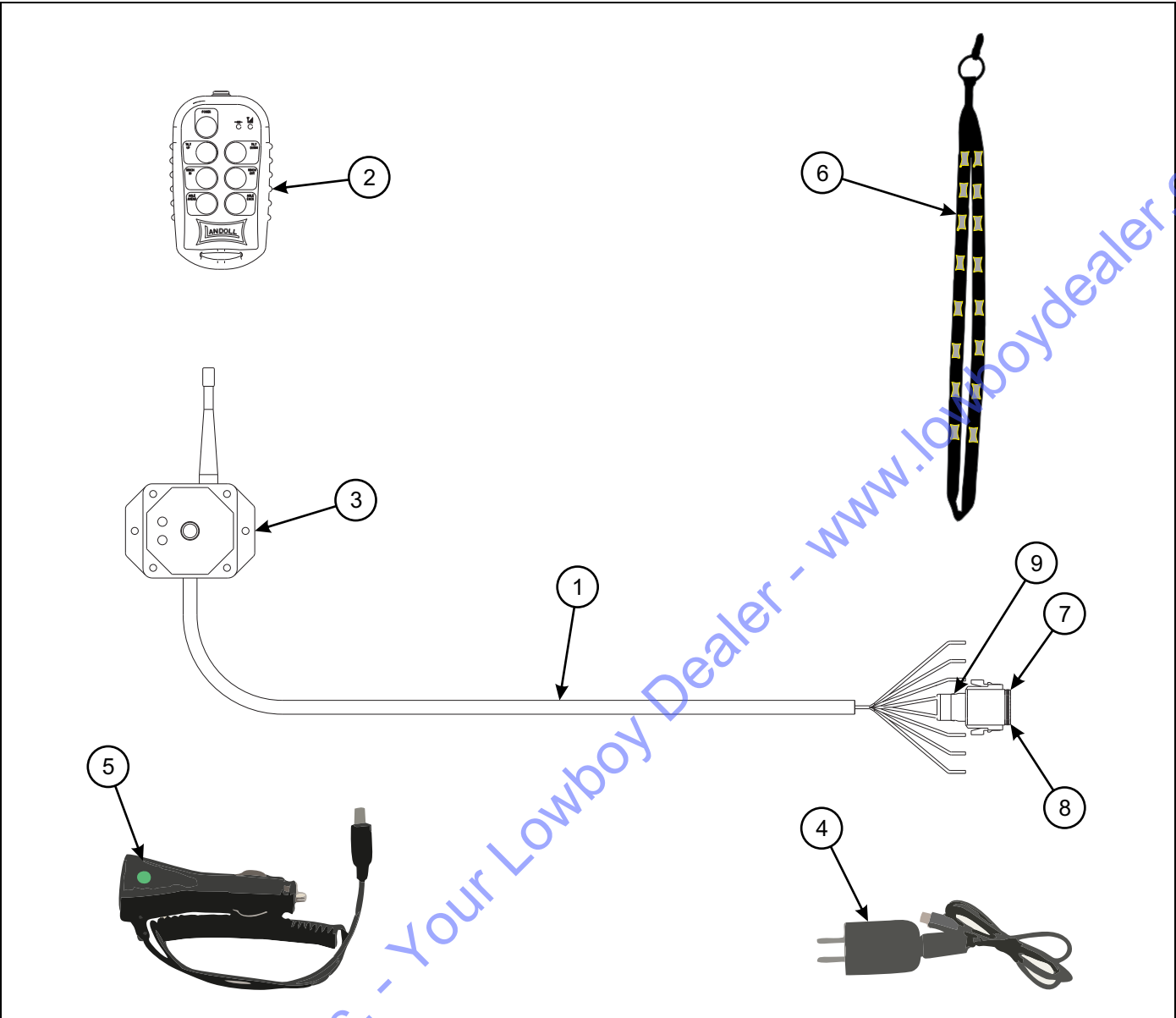


Figure 1-13: Receiver Transmitter - Macro Kar SL AX

Receiver Transmitter - Macro Kar SL AX

ITEM	PART NO.	DESCRIPTION	QTY.
	168648	RECEIVER TRANSMITTER, MACRO KAR, SL AX	REF
1	168974	REMOTE, KAR-TECH SLIDE AX (ITEMS 2-5)	1
2	168975	MACRO TRANSMITTER W/ DECAL	1
3	143126	MINI AND MACRO RECEIVER, 6 FUNCTION W/ TEACH BUTTON	1
4	168976	CAR CHARGER 12V TO MICRO USB	1
5	168982	WALL CHARGER 120V TO MICRO USB	1
6	168979	LANYARD, LANDOLL	1
7	622-2967-010	PLUG, 8 POS, FEMALE	1
8	622-2967-015	SOCKET, 16-18 AWG, SOLID	8
9	622-2967-026	WEDGE, 8 POS, PLUG	1
10	197460	REPLACEMENT BATTERY, KAR-TECH MACRO (NOT SHOWN)	1

Undercarriage

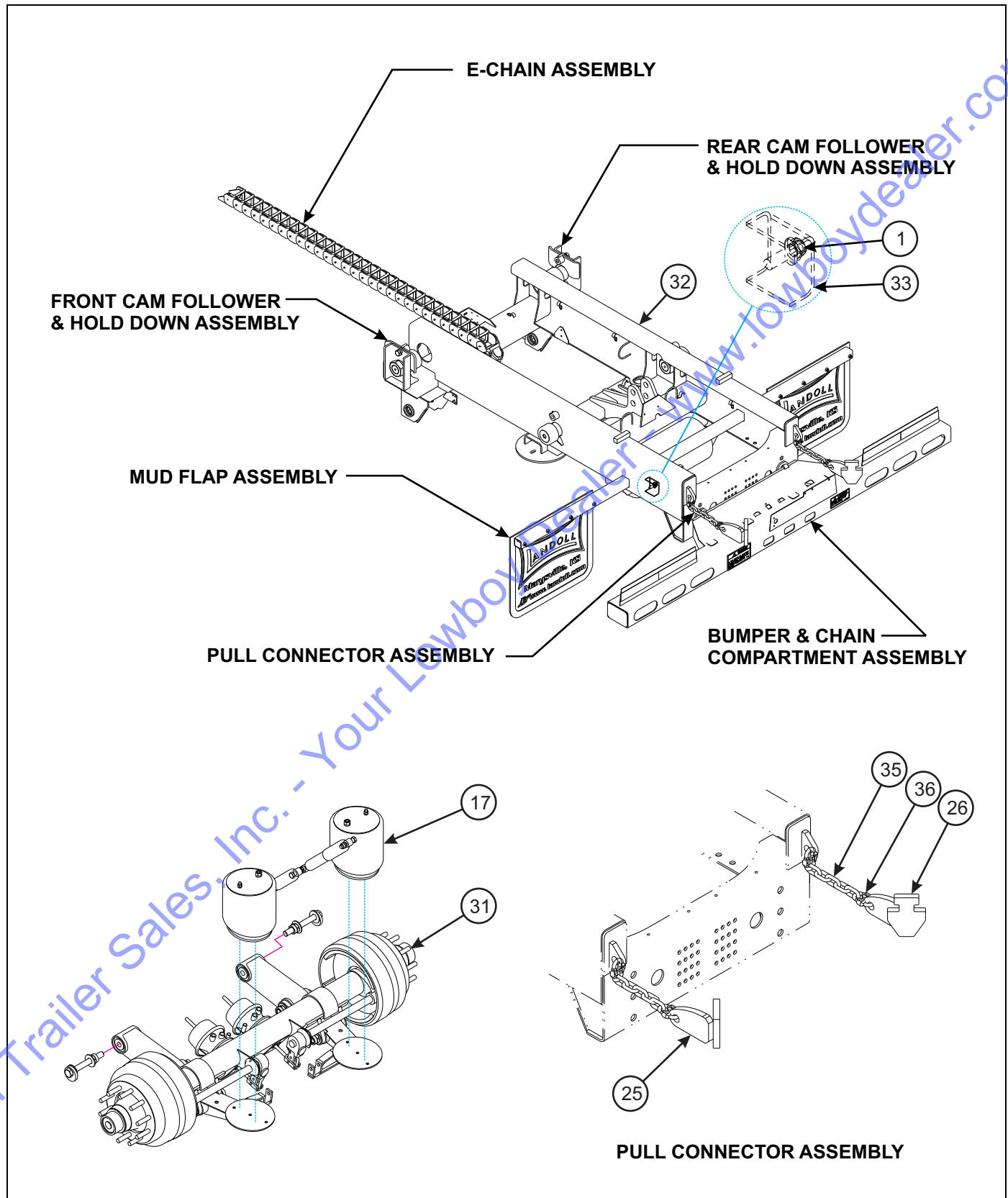
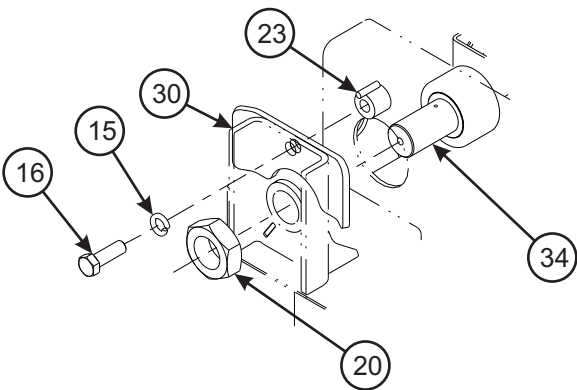
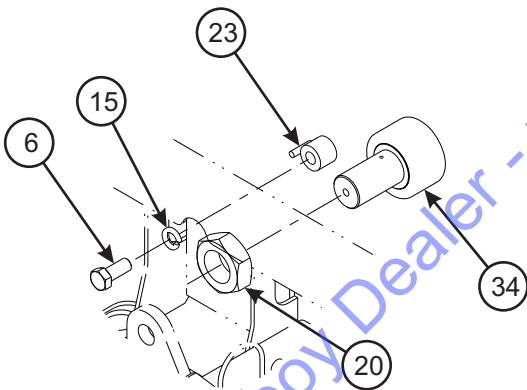


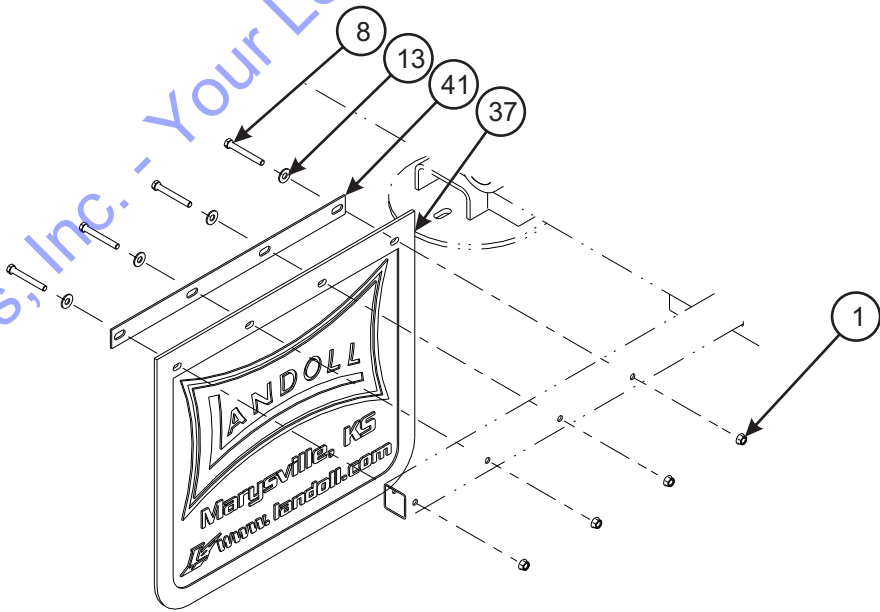
Figure 1-14: General Items (1 of 3)



FRONT CAM FOLLOWER & HOLD DOWN ASSEMBLY



REAR CAM FOLLOWER & HOLD DOWN ASSEMBLY



MUD FLAP ASSEMBLY

m176337 p2

Figure 1-15: General Items (2 of 3)

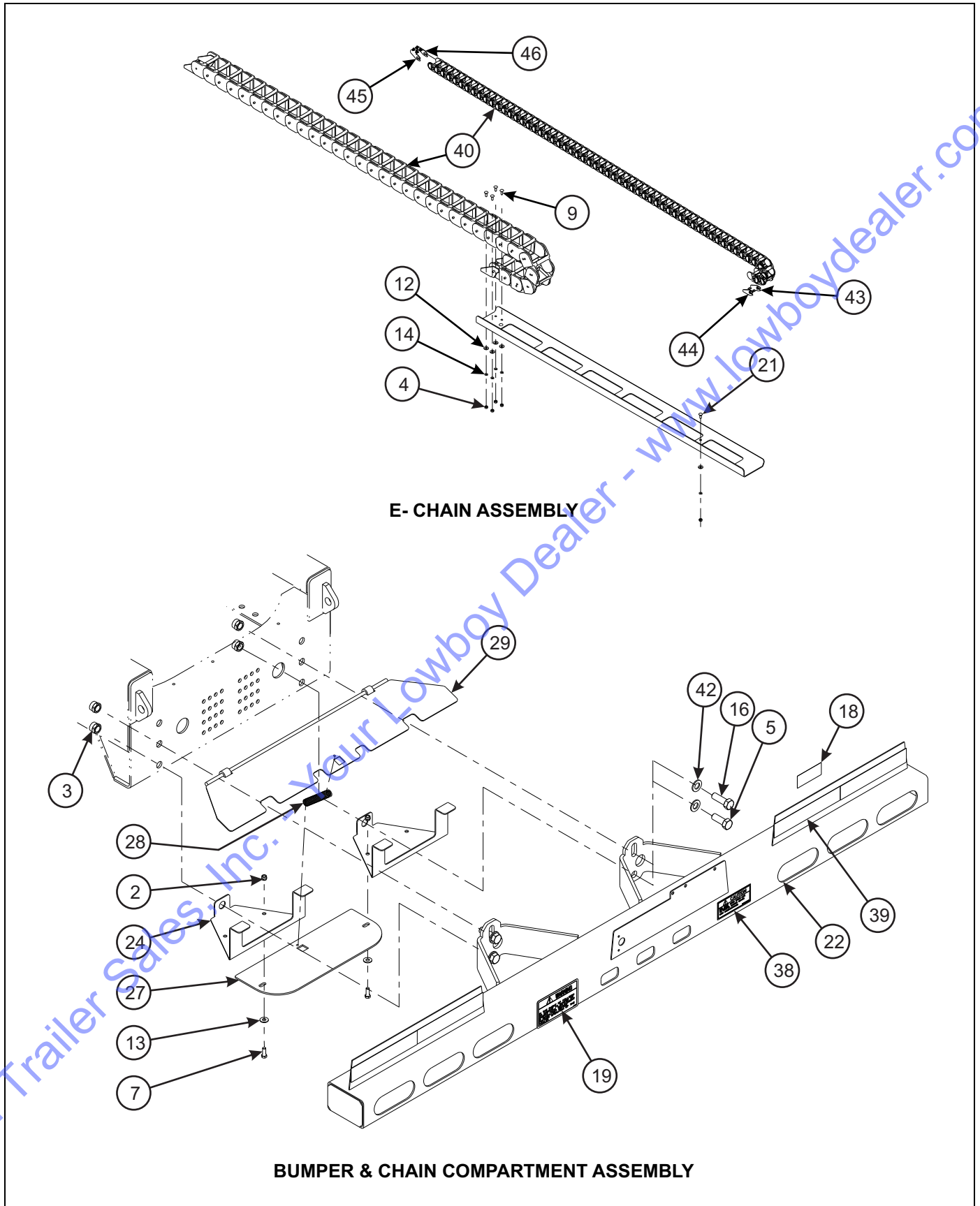


Figure 1-16: General Items (3 of 3)

General Items

ITEM	PART NO.	DESCRIPTION	QTY.
	177507	SUSPENSION ASSEMBLY, 343 A/R GROTE	
	176338	SUSPENSION ASSEMBLY, 343 A/R GROTE, TIS	
	185578	SUSPENSION ASSEMBLY, 343, 2512 A/R GROTE	
	185579	SUSPENSION ASSEMBLY, 343, 2512 A/R GROTE, TIS	
1	1-510-010001	NUT, FLANGE LOCK 3/8-16	11
2	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	42
3	1-512-010005-15	NUT, HEX LOCK 3/4-10 GRB	4
4	1-512-010007-05	NUT HEX 1/4-20 GRB	10
5	1-654-010032-05	SCREW, HEX HEAD CAP 3/4-10 X 2 GR8	2
6	1-654-010032-4	SCREW, HEX HEAD CAP 3/4-10 X 1-3/4 GR8	4
7	1-654-010051-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	1
8	1-654-010051-13	SCREW, HEX HEAD CAP 3/8-16 X 3 GR5	8
9	1-654-010158-1	SCREW, RD HEAD SQ NECK 1/4-20 X 3/4 GR5	11
10	1-796-010004-02	TIE STRAP, PLASTIC (NOT SHOWN)	AR
11	1-843-010014	VALVE EXTENSION, STEM (NOT SHOWN)	6
12	1-861-010032-07	WASHER, FLAT 1/4	11
13	1-861-010032-11	WASHER, FLAT 3/8	8
14	1-861-010034-09	WASHER, SPLIT LOCK 1/4	11
15	1-861-010034-17	WASHER, SPLIT LOCK 3/4	4
16	100941	SCREW, HEX HEAD CAP 3/4-10 X 2-1/4 GR8	4
17	102364	SUSPENSION ADJ RLU- 228-5.5 (USED WITH 177507 & 176338) (SEE PAGE 1-29)	1
	102363	SUSPENSION ADJ RLU- 228-3.5 (USED WITH 185578 & 185579) (SEE PAGE 1-29)	1
18	103055	DECAL, ENERGY BUMPER CERT	1
19	103056	DECAL, ENERGY BUMPER WARNING	1
20	104034	NUT, HEX 2-12 GRB	4
21	118897	TRAY, E-CHAIN	1
22	119580	BUMPER WELDMENT E/P 102	1
23	120451	HOLD-DOWN U/C	4
24	128732	BRACKET, CHAIN STORAGE	2
25	128973	CONNECTOR, CONTAINER REAR PULL LH	1
26	128974	CONNECTOR, CONTAINER REAR PULL RH	1
27	129213	CHAIN COMPARTMENT CENTER BOTTOM	1
28	129985	SPRING EXTENSION 7/8 X 6 X .091	1
29	130109	LID WELDMENT, BUMPER STORAGE	1
30	140829	PLATE, WEAR U/C	2
31	121077	AXLE WELDMENT 2512 SPG 70.5 X 36 (USED WITH 185578)	1
	136257	AXLE WELDMENT 2512 SPG 70.5 X 36 TIS (USED WITH 185579)	1
	164428	AXLE WELDMENT 2516 SPG 70.5 X 36 (USED WITH 177507)	1
	164430	AXLE WELDMENT 2516 SPG 70.5 X 36 TIS (USED WITH 176338)	1
32	177508	UNDERCARRIAGE WELDMENT	1
33	2-181-010001	CLAMP, HOSE	1
34	3-076-010005	CAM FOLLOWER 4"	4
35	3-174-010026	CHAIN, 3/8 GR70	AR
36	3-174-010042	CHAIN LINK, CONNECTING 3/8	4
37	3-485-010001	MUD FLAP, 21"	2
38	3-573-010031	DECAL, TRAILER BUMPER	1

General Items

ITEM	PART NO.	DESCRIPTION	QTY.
39	3-573-010377	DECAL, 2" REFLEXITE TAPE RED/WHITE (SEE PAGE 1-76)	AR
40	3-755-010189-03	SUPPORT E-CHAIN (BEFORE 6-3-2015)	1
	3-755-010189-1	LINK (BEFORE 6-3-2015)	1
	189316	SUPPORT, E-CHAIN, 34 LINKS 3838 (AFTER 6-3-2015)	1
41	3-762-010017	CLAMP MUD FLAP	2
42	622-3511-008	WASHER 3/4	4
43	190701	BRACKET WLDMT, E-CHAIN LH (AFTER 6-3-2015)	1
44	190706	BRACKET WLDMT, E-CHAIN RH (AFTER 6-3-2015)	1
45	190700ZP	BRACKET, E-CHAIN LH (AFTER 6-3-2015)	1
46	190705ZP	BRACKET, E-CHAIN RH (AFTER 6-3-2015)	1
	189380	FIELD INSTALLATION KIT (ITEMS 40 & 43-46)	1

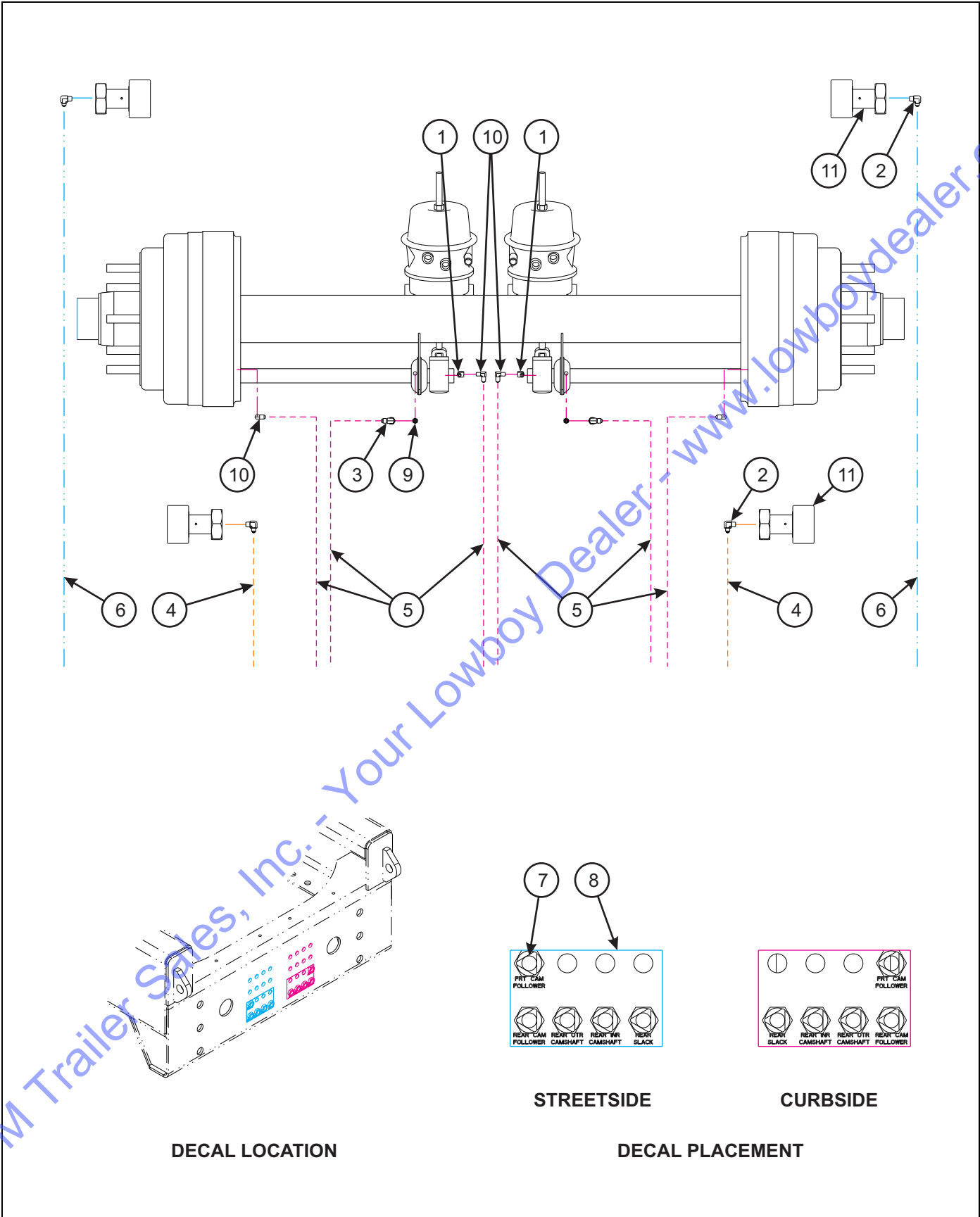


Figure 1-17: Grease System

Grease System

ITEM	PART NO.	DESCRIPTION	QTY.
1	101528	ELBOW, BRASS PIPE STREET	2
2	113268	ADAPTER, 90	4
3	138155	ADAPTER, 90	2
4	142441	HOSE ASSEMBLY, GREASE 1/4 X 45	2
5	142443	HOSE ASSEMBLY, GREASE 1/4 X 72	6
6	142445	HOSE ASSEMBLY, GREASE 1/4 X 102	2
7	142545	NUT, 7/16	10
8	142553	DECAL, GREASE TRL U/C	2
9	161797	ADAPTER, STRAIGHT	2
10	2024-2-4S	ADAPTER, ELBOW	4
11	3-076-010005	CAM FOLLOWER 4"	REF

Suspension

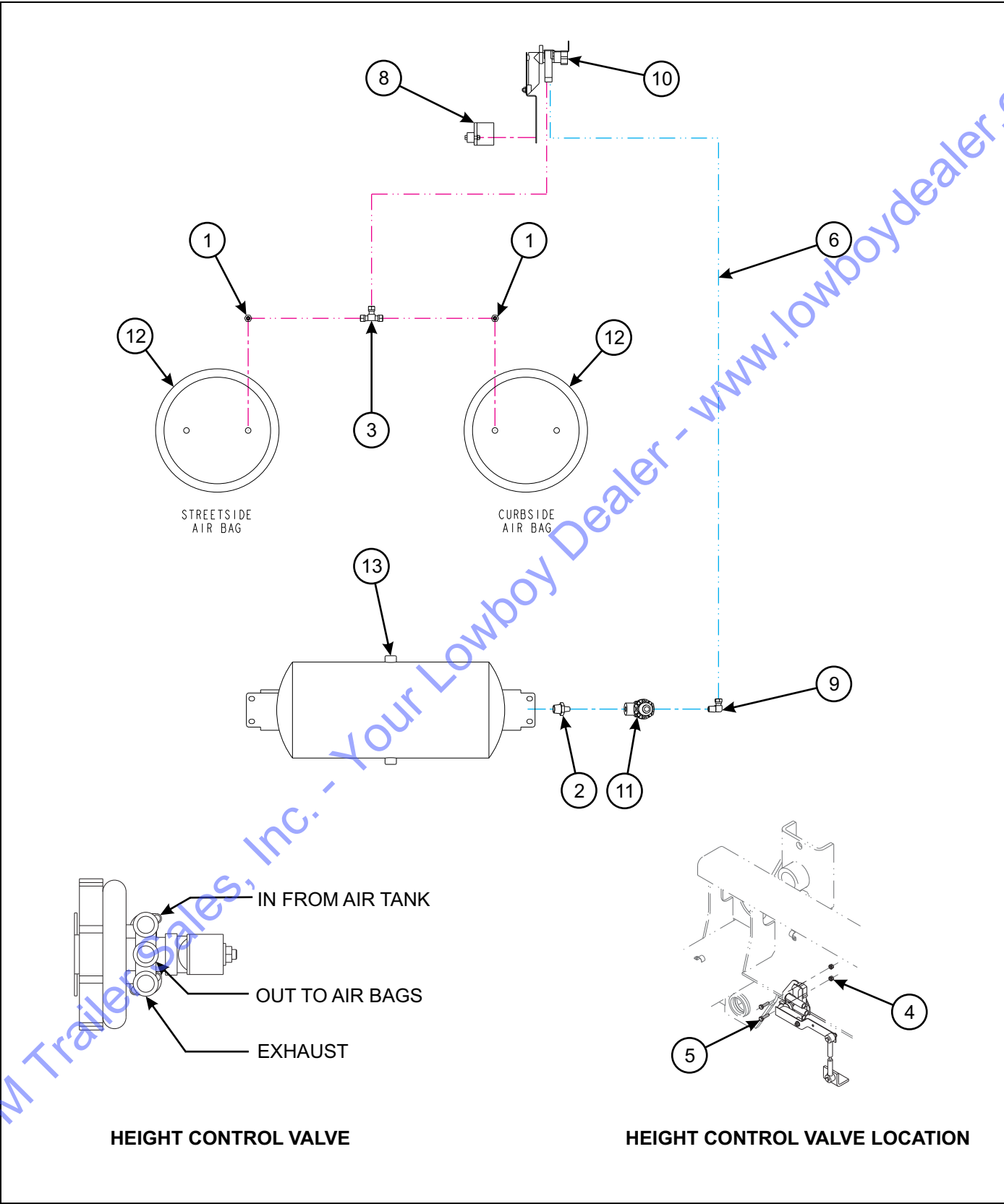


Figure 1-18: Air Ride Suspension

Air Ride Suspension

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-297-010007-05	FITTING, AIR 1/4 TUBE X 1/4 NPT	1
2	1-297-010008-07	FITTING, AIR 90	1
3	1-297-010010-01	FITTING, AIR UNION TEE	1
4	1-512-010005-01	NUT, HEX LOCK 1/4-20 GRB	2
5	1-297-010010-04	FITTING, AIR UNION TEE	2
6	1-833-010001	TUBING, NYLON 1/4 OD	8
7	102732	AIR CONTROL KIT (ITEMS 10 & 11) (SEE PAGE 1-27)	1
8	111021	KIT, SRK-167 NEWAY, 48100224	REF
9	2083-8-4S	NIPPLE, HEX 1/2 - 1/4	1
10	900 54 007	HEIGHT CONTROL VALVE	1
11	905-54-107	BRAKE PROTECTION VALVE	1
12	102363	SUSPENSION, ADJ RLU-228-3.5 (SEE PAGE 1-29) (USED ON TRAILERS W/ 17.5" TIRES)	REF
	102364	SUSPENSION, ADJ RLU-228-5.5 (SEE PAGE 1-29) (USED ON TRAILERS W/ 22.5" TIRES)	REF
13	3-780-010002	TANK, AIR	1

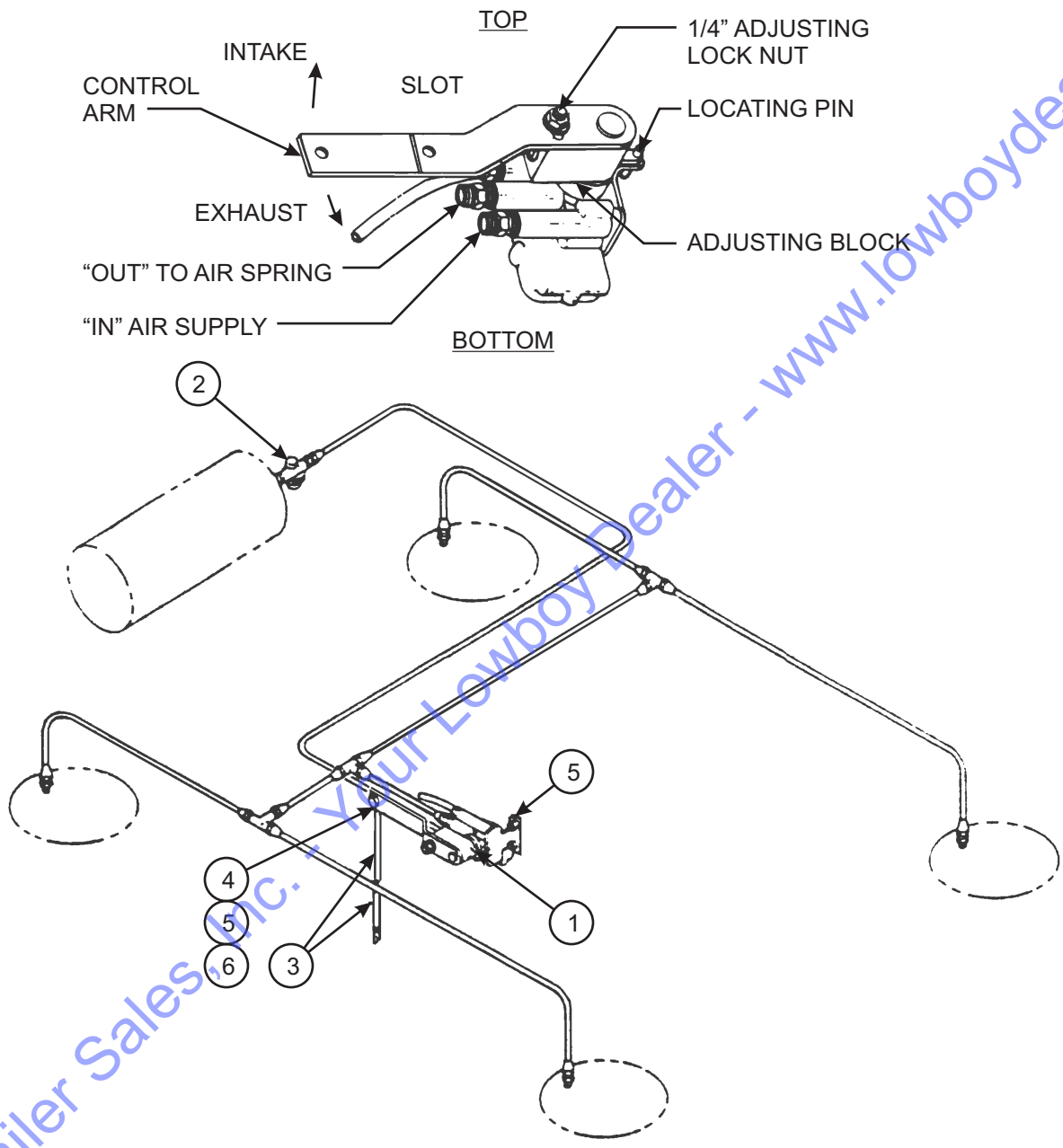


Figure 1-19: Air Control Kit

Air Control Kit

ITEM	PART NO.	DESCRIPTION	QTY.
	102732	AIR CONTROL KIT, NEW	
1	900-54-007	HEIGHT CONTROL VAVLE	1
2	905-54-107	AIR PRESSURE PROTECTION VALVE & FILTER	1
3	111021	SRK-167 KIT - ADJ. LINK ASSEMBLY	1
4	1-654-010047-04	SCREW, HEX HEAD CAP, 1/4-20 X 3/4 GR5	2
5	1-512-010005-01	LOCK NUT, 1/4-20	2
6	-----	DECAL-OPERATING	1

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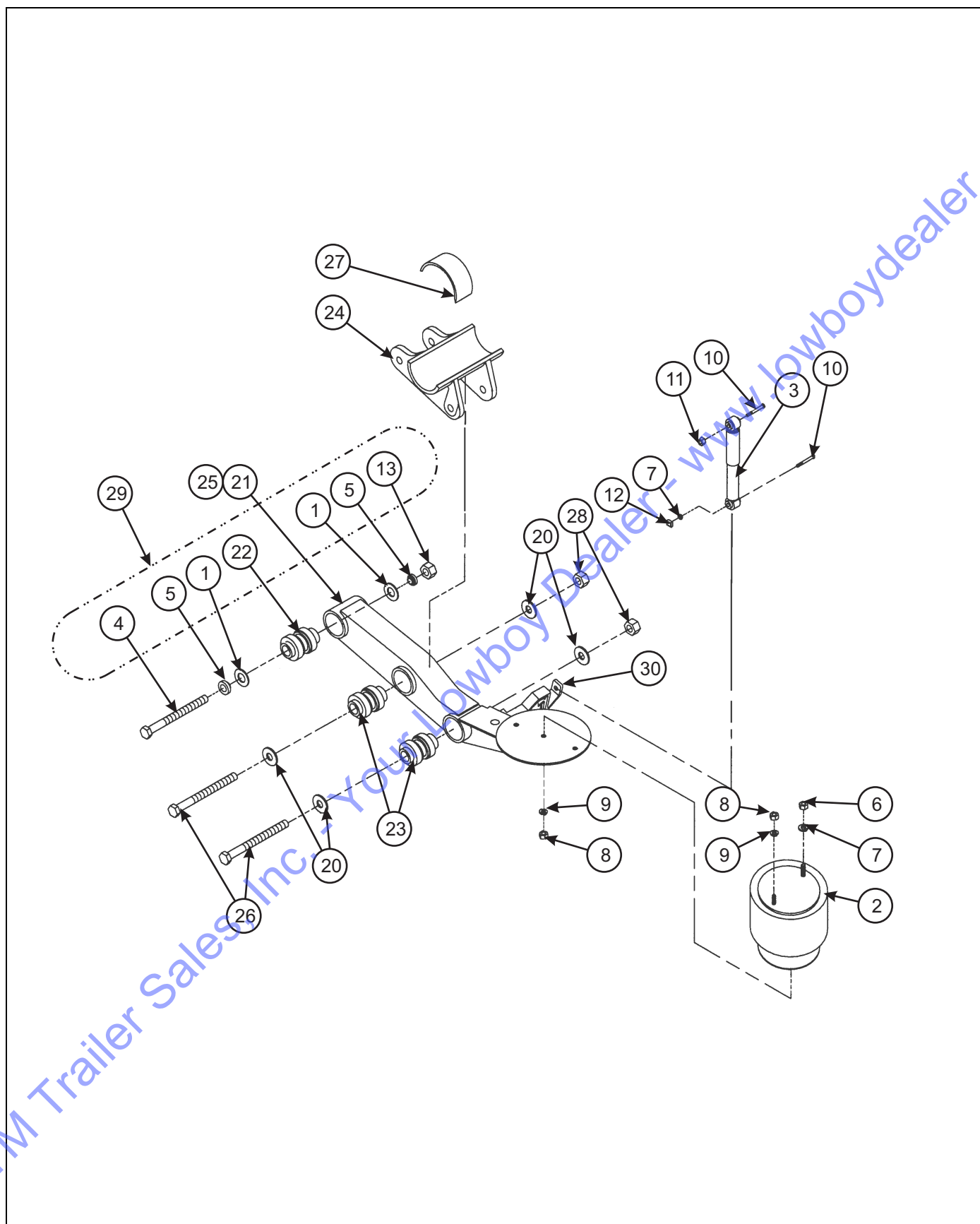


Figure 1-20: Suspension Hanger RLU-228

Suspension Hanger RLU-228

ITEM	PART NO.	DESCRIPTION	QTY.
	102363**	SUSPENSION, ADJ. RLU-228-3.5 (ITEMS 1-19)	
	102364***	SUSPENSION, ADJ. RLU-228-5.5 (ITEMS 1-19)	
	102361	SUSPENSION, BEAM. RLU-228 (ITEMS 20-28)	
1	111010	FLAT WASHER	2
2	905-57-129	AIR SPRING ASSEMBLY - USED WITH 102363**	2
	111016	AIR SPRING ASSEMBLY - USED WITH 102364***	2
3	900 45 040	SHOCK - USED WITH 102363**	2
	111017	SHOCK - USED WITH 102364***	2
4	90508009	ALIGN BUSH ASSEMBLY	2
5	129006	ALIGN BLOCK (900 08 186)	2
6	934 00 149	3/4-16 HEX NUT GRB	2
7	936 00 077	LOCK WASHER, 3/4"	4
8	1-512-010007-09	HEX NUT, 1/2-13	4
9	1-861-010034-13	LOCK WASHER, 1/2"	4
10	105408	HEX HEAD CAP SCREW 3/4-10 X 3-1/2	4
11	934 00 492	LOCK NUT, 3/4-10	2
12	111022	3/4-10 SQUARE NUT	2
13	111008	LOCK NUT 1-1/8-7	2
14	111018	ANCHOR, RIDE HEIGHT CONTROL VALVE (NOT SHOWN)	1
15	-----	LITERATURE INSTRUCTIONS (NOT SHOWN)	1
16	-----	LITERATURE SPEC (NOT SHOWN)	1
17	-----	LITERATURE FORM 864 (NOT SHOWN)	1
18	-----	LITERATURE LABEL (NOT SHOWN)	1
19	-----	LITERATURE LABEL (NOT SHOWN)	1
19A	111019	FASTENER KIT (ITEMS 1, 4-11, 13, & 15)	1
20	111010	FLAT WASHER	8
21	111013	EQUALIZING BEAM ASSEMBLY LH	1
22	900-08-139	RUBBER BUSHING - FRONT PIVOT	2
23	111011	RUBBER BUSHING - AXLE CONNECTION	4
24	111012	AXLE ADAPTER ASSEMBLY	2
25	111014	EQUALIZING BEAM ASSEMBLY RH	1
26	111023	HEX HEAD CAP SCREW 1-1/8-7 X 8-1/2	4
27	111015	SAFETY STRAP (90025288)	2
28	934-00-506	LOCK NUT 1-1/8-7	4
29	109533	ALIGNMENT BLOCK KIT	1
30	126900	BRACKET BOTTOM SHOCK - RLU-228	1

NOTE: ** 3-1/2" RIDE HEIGHT USED ON 12-1/2" X 7-1/2" BRAKE AXLES

*** 5-1/2" RIDE HEIGHT USED ON 16-1/2" X 7" BRAKE AXLES

QUANTITIES LISTED ARE PER AXLE

141708 WIRE ROPE STRAP KIT 1 AX RLU228-3.5

127708 WIRE ROPE STRAP KIT 1 AX RLU228-5.5

NOTE: ALL WIRE ROPE STRAP KITS INCLUDE STRAPS AND HARDWARE REQUIRED.

Air Brake System

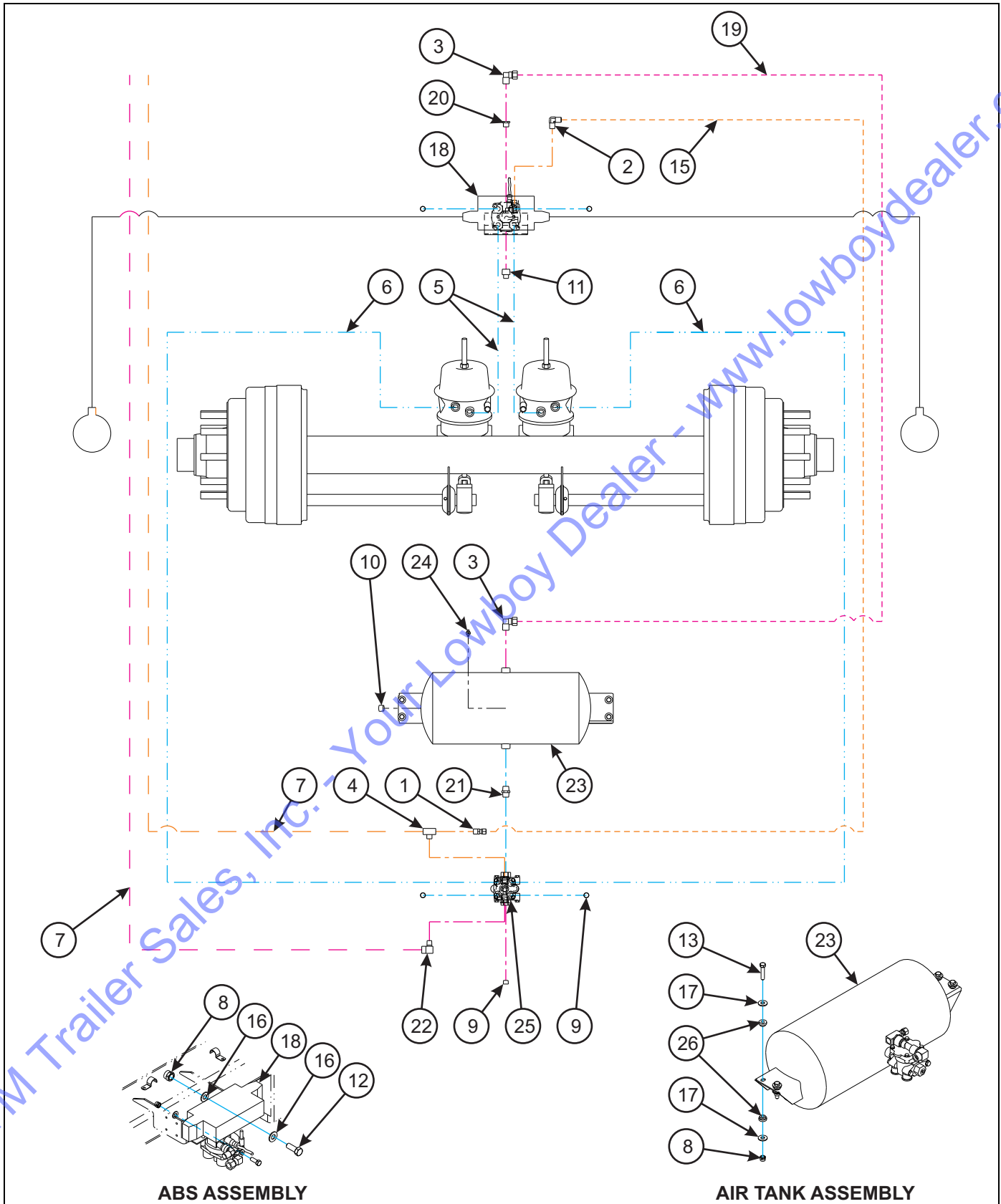
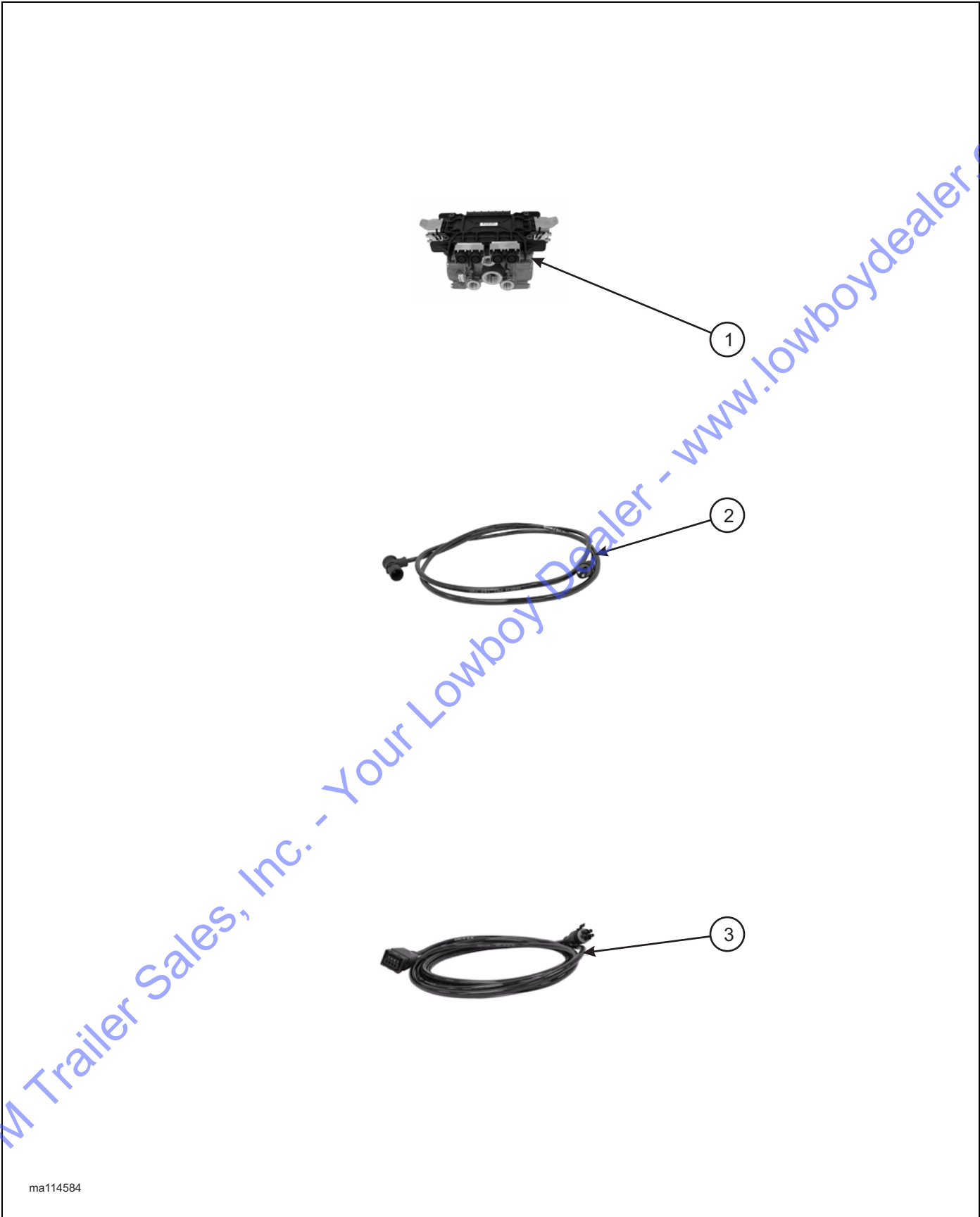


Figure 1-21: Air Brake System

Air Brake System

ITEM	PART NO.	DESCRIPTION	QTY.
	177507	SUSPENSION ASSEMBLY, 343 A/R GROTE	
	185578	SUSPENSION ASSEMBLY, 343, 2512 A/R GROTE	
	176338	SUSPENSION ASSEMBLY, 343 A/R GROTE, TIS	
	185579	SUSPENSION ASSEMBLY, 343, 2512 A/R GROTE, TIS	
1	1-297-010007-12	FITTING, AIR	1
2	1-297-010008-20	FITTING, AIR 90	1
3	1-297-010008-26	FITTING, AIR 90	2
4	1-297-010017-03	FITTING, AIR M/BR TEE	1
5	1-384-010038038	HOSE, AIR 3/8 X 38	2
6	1-384-010038060	HOSE, AIR 3/8 X 60	2
7	1-384-010038204	HOSE, AIR 3/8 X 204	2
8	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	6
9	1-560-010002-03	PIPE PLUG 3/8	5
10**	1-560-010002-04	PIPE PLUG 1/2	1
11	1-560-010002-05	PIPE PLUG 3/4-14	1
12	1-654-010051-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	2
13	1-654-010051-08	SCREW, HEX HEAD CAP 3/8-16 X 1-3/4 GR5	4
14	1-796-010003-01	TIE STRAP PLASTIC (NOT SHOWN)	10
15	1-833-010002	TUBING, NYLON 3/8	AR
16	1-861-010032-10	WASHER, FLAT 3/8N	4
17	1-861-010032-11	WASHER, FLAT 3/8W	8
18	114585	BRAKE KIT, ROCKWELL ABS (SEE PAGE 1-33)	1
19	117304	TUBING, NYLON 5/8	AR
20	118-2659-9	BUSHING 1/2 X 3/4	1
21	2083-8-8S	NIPPLE, HEX	1
22	2089-6-6S	ADAPTER 90	1
23	3-780-010002	TANK AIR	1
24	56D4	COCK DRAIN AIR TANK	1
25	758-181	VALVE TASK 4 PORT	1
26	805-2	STEP BUSHING	8

NOTE: ** ONLY USED WITH P/N - 177507 & 185578



ma114584

Figure 1-22: ABS Brake Kit - Rockwell

ABS Brake Kit - Rockwell

ITEM	PART NO.	DESCRIPTION	QTY.
	114585	BRAKE KIT, ROCKWELL ABS, 2S/1M - SINGLE AXLE	
1	114589	ECU/VALVE ASSEMBLY 2S/1M - 114585	1
2	101848	SENSOR EXTENSION CABLE	2
3	147464	POWER CABLE	1

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Axle and Brakes

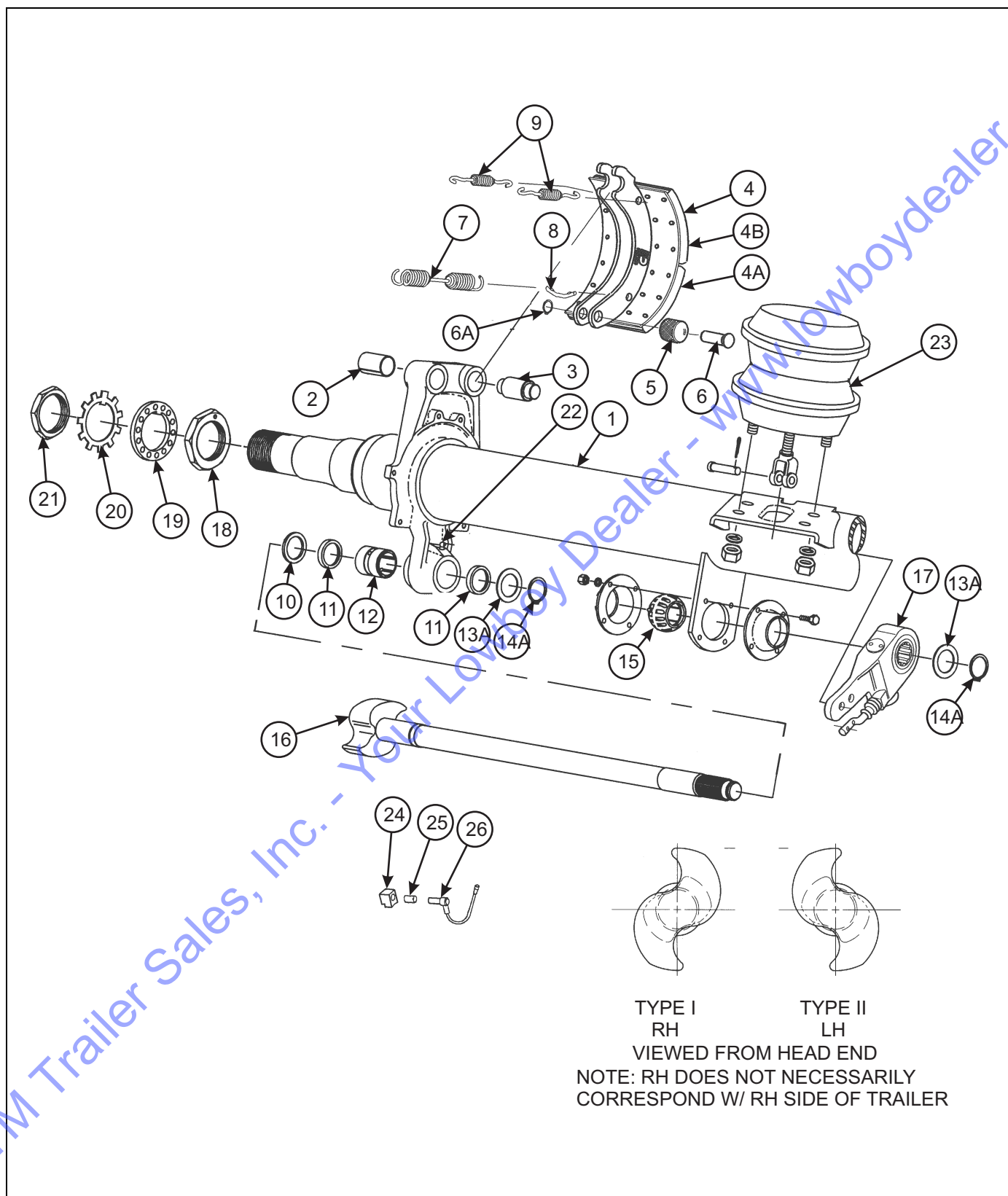


Figure 1-23: Axle and Brake Assembly - Dexter (12-1/4" X 7-1/2")

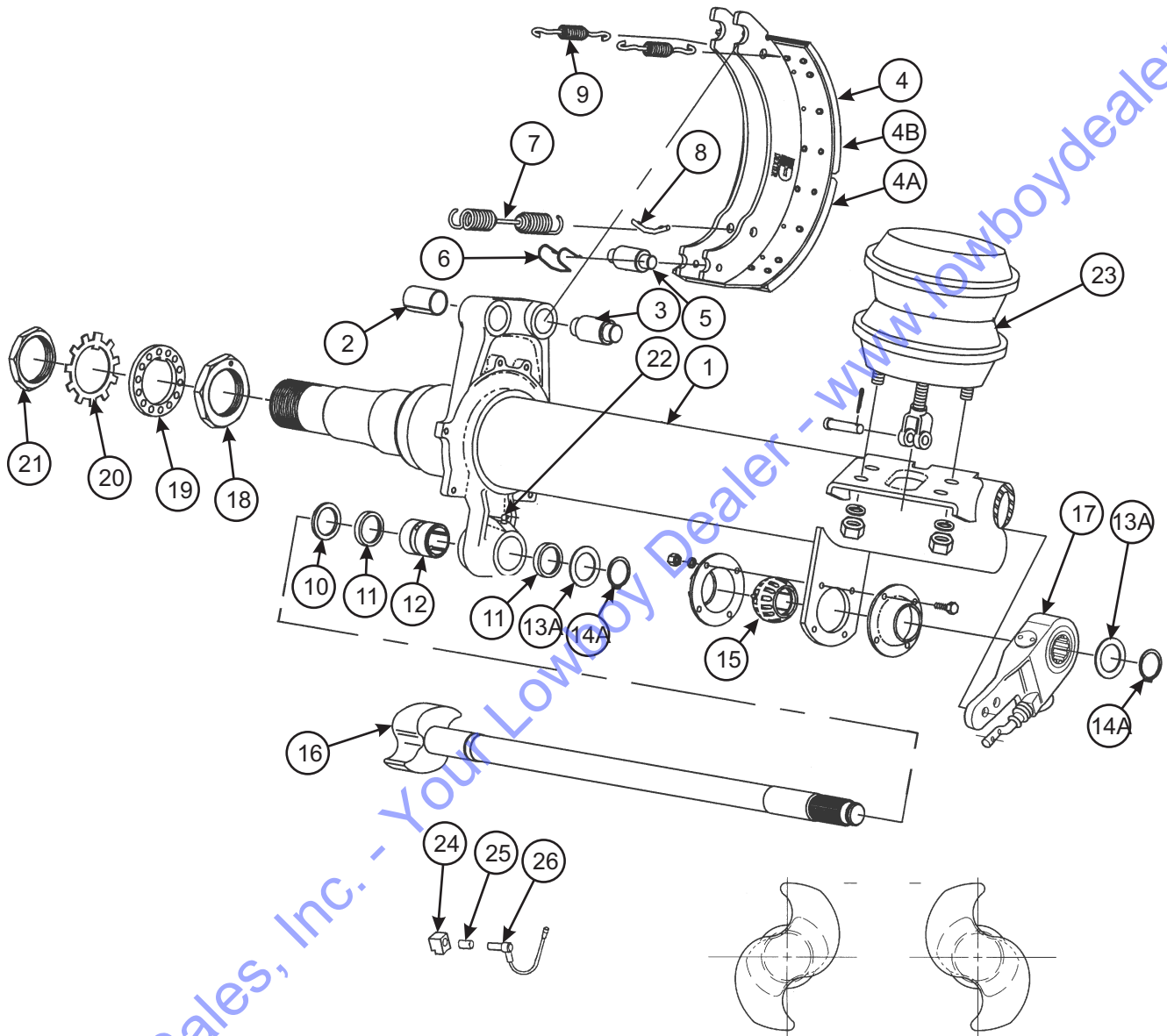
Axle and Brake Assembly - Dexter (12-1/4" X 7-1/2")

ITEM	PART NO.	REFERENCE NO.	DESCRIPTION	QTY.
	115703		AXLE 70-1/2 12-1/4 X 7-1/2 SPRING BRAKE - 25K	
	136202		AXLE 70-1/2 12-1/4 X 7-1/2 SPRING BRAKE - TIS 25K	
	-----	K71-133-00	BRAKE BLOCK KIT (ITEMS 4A, 4B, & P/N 022-018-00)	1
**	K71-460-00	K71-460-00	BRAKE SHOE HARDWARE KIT (ITEMS 2, 3, & 5-9)	1
***	-----	K71-101-00	CAMSHAFT REPAIR KIT (ITEMS 10-15, & 22)	1
1*	-----	D-2H12	BEAM	1
2**	-----	014-068-00	BUSHING, SPIDER ANCHOR PIN	4
3**	-----	056-017-00	ANCHOR PIN1397	4
4	040-320-01	040-320-01	SHOE AND LINING ASSEMBLY	4
4A	-----	041-060-01	LINING, BRAKE BLOCK CAM	4
4B	-----	041-057-01	LINING, BRAKE BLOCK ANCHOR	4
5**	-----	014-057-00	ROLLER	4
6**	-----	056-010-00	RETAINER, ROLLER	8
6A	-----	069-018-00	RETAINER RING	8
7**	-----	046-092-00	SPRING, SHOE RETRACTOR	2
8**	056-018-00	056-018-00	RETAINER PIN, RETRACTOR SPRING	4
9**	046-097-00	046-097-00	SPRING, SHOE KEEPER	4
10***	005-074-00	005-074-00	D-WASHER, CAMSHAFT	2
11***	010-052-00	010-052-00	GREASE SEAL	4
12***	-----	014-056-00	BUSHING, CAMSHAFT SPIDER	2
13A***	-----	005-134-00	WASHER, CAMSHAFT END	2
14A***	069-078-00	069-078-00	RETAINER CAMSHAFT END	2
15***	-----	014-058-00	BUSHING, CAMSHAFT SUPPORT	2
16	034-188-03	034-188-03	CAMSHAFT, 22-5/16" LH	1
	034-189-03	034-189-03	CAMSHAFT, 22-5/16" RH	1
17	156655	055-040-99	SLACK ADJUSTER, AUTOMATIC	2
18	006-114-00	006-114-00	NUT, INNER SPINDLE BEARING	2
19	005-098-00	005-098-00	LOCKWASHER, INDEXING	2
20	005-099-00	005-099-00	LOCKWASHER, TAB	2
21	006-115-00	006-115-00	NUT, OUTER SPINDLE	2
22***	-----	061-006-00	GREASE FITTING 45°	2
23	034-058-07	034-058-07	AIR CHAMBER ASSEMBLY, SPRING BRAKE	2
	034-057-07	034-057-07	AIR CHAMBER ASSEMBLY, SERVICE BRAKE	2
24	103805	024-100-00	SENSOR BLOCK	2
25	144979	097-002-00	RETAINER CLIP	2
26	139287	097-007-00	ABS SENSOR 90	2

NOTE: * WHEN ORDERING THE BEAM WITH SPINDLE, SPIDER AND BRACKETS ATTACHED, YOU WILL NEED THE BEAM NUMBER, TRACK LENGTH, BRAKE SIZE, AND CAMSHAFT LENGTH.

** THESE PARTS ARE AVAILABLE AS PART OF BRAKE SHOE HARDWARE KIT LISTED.

*** THESE PARTS ARE AVAILABLE AS PART OF CAMSHAFT REPAIR KIT P/N LISTED.



TYPE I
RH
VIEWED FROM HEAD END
NOTE: RH DOES NOT NECESSARILY
CORRESPOND W/ RH SIDE OF TRAILER

TYPE II
LH

Figure 1-24: Axle and Brake Assembly - Dexter (16-1/2" X 7")

Axle and Brake Assembly - Dexter (16-1/2" X 7")

ITEM	PART NO.	REFERENCE NO.	DESCRIPTION	QTY.
	115715		AXLE 75 16.5 X 7 SPRING BRAKE - 25K	
	138955		AXLE 75 16.5 X 7 SPRING BRAKE TIS - 25K	
	-----	K71-138-00	BRAKE BLOCK KIT (ITEMS 4A, 4B, & P/N 022-018-00)	1
**	K71-136-00	K71-136-00	BRAKE SHOE HARDWARE KIT (ITEMS 2, 3, & 5-9)	1
***	-----	K71-135-00	CAMSHAFT REPAIR KIT (ITEMS 10-15, & 22)	1
1*	-----	D-2H16	BEAM	1
2**	-----	014-068-00	BUSHING, SPIDER ANCHOR PIN	4
3**	-----	056-017-00	ANCHOR PIN1397	4
4	040-180-00	040-180-00	SHOE AND LINING ASSEMBLY	4
4A	-----	041-058-01	LINING, BRAKE BLOCK CAM	4
4B	-----	041-059-01	LINING, BRAKE BLOCK ANCHOR	4
5**	014-065-00	014-065-00	ROLLER	4
6**	071-122-00	071-122-00	RETAINER, ROLLER	4
7**	046-096-00	046-096-00	SPRING, SHOE RETRACTOR	2
8**	056-018-00	056-018-00	RETAINER PIN, RETRACTOR SPRING	4
9**	046-097-00	046-097-00	SPRING, SHOE KEEPER	4
10***	005-096-00	005-096-00	WASHER, CAMSHAFT	2
11***	010-052-00	010-052-00	GREASE SEAL	4
12***	-----	014-056-00	BUSHING, CAMSHAFT SPIDER	2
13A***	-----	005-134-00	WASHER, CAMSHAFT END	2
14A***	069-078-00	069-078-00	RETAINER CAMSHAFT END	2
15***	-----	014-058-00	BUSHING, CAMSHAFT SUPPORT	2
16	137461	034-192-08	CAMSHAFT, 25" LH	2
	137485	034-193-08	CAMSHAFT, 25" RH	2
17	139383	055-040-98	SLACK ADJUSTER, AUTOMATIC	2
18	006-114-00	006-114-00	NUT, INNER SPINDLE BEARING	2
19	005-098-00	005-098-00	LOCKWASHER, INDEXING	2
20	005-099-00	005-099-00	LOCKWASHER, TAB	2
21	006-115-00	006-115-00	NUT, OUTER SPINDLE	2
22***	-----	061-006-00	GREASE FITTING 45°	2
23	034-058-01	034-058-01	AIR CHAMBER ASSEMBLY, SPRING BRAKE	2
	034-057-01	034-057-01	AIR CHAMBER ASSEMBLY, SERVICE BRAKE	2
24	103805	024-100-00	SENSOR BLOCK	2
25	144979	097-002-00	RETAINER CLIP	2
26	139287	097-007-00	ABS SENSOR 90	2

NOTE: * WHEN ORDERING THE BEAM WITH SPINDLE, SPIDER AND BRACKETS ATTACHED, YOU WILL NEED THE BEAM NUMBER, TRACK LENGTH, BRAKE SIZE, AND CAMSHAFT LENGTH.

** THESE PARTS ARE AVAILABLE AS PART OF BRAKE SHOE HARDWARE KIT LISTED

*** THESE PARTS ARE AVAILABLE AS PART OF CAMSHAFT REPAIR KIT P/N LISTED.

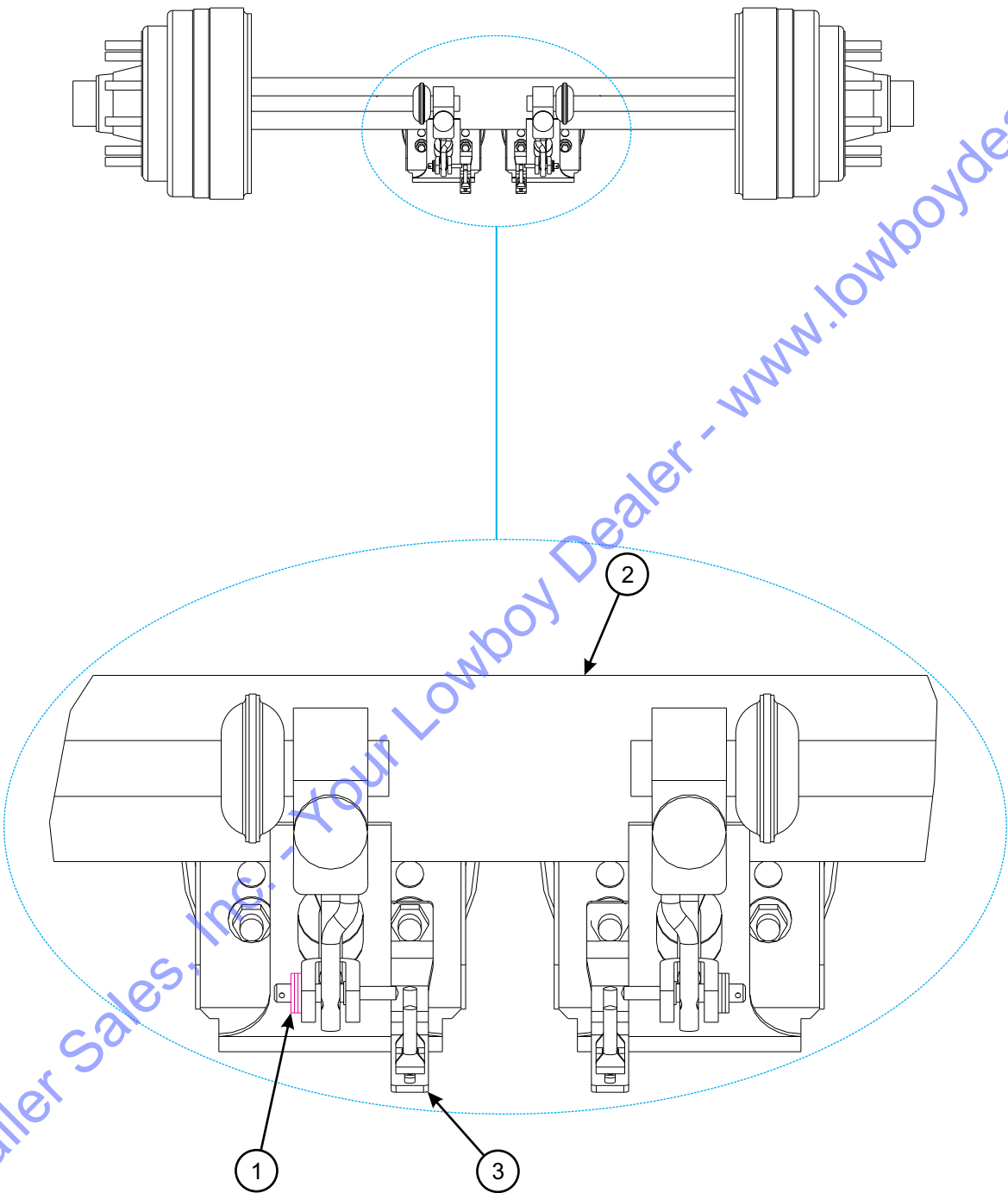


Figure 1-25: Brake Indicator - Long Brakesafe

Brake Indicator - Long Brakesafe

ITEM	PART NO.	DESCRIPTION	QTY.
	186931	BRAKE INDICATOR, LONG BRAKESAFE	
1	1-861-010032-14	WASHER, FLAT, ZP/CD, 1/2N	6
2	115713	AXLE, 69, 16.5 X 7 SPG, BK 25K	REF
3	186923	BRAKE INDICATOR, LONG	1

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Hub & Drum

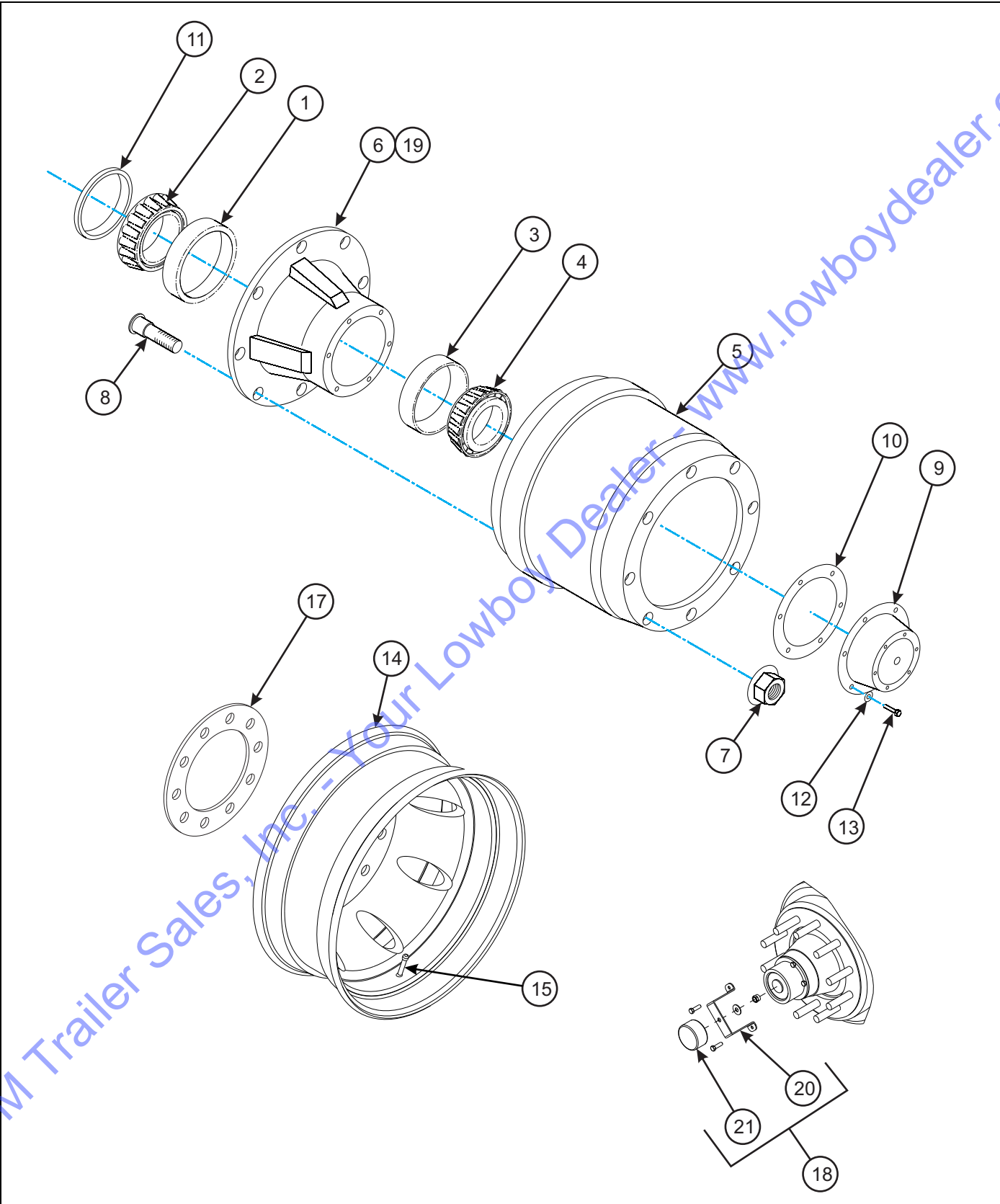


Figure 1-26: Outboard Pilot Mount Hub and Drum

Outboard Pilot Mount Hub and Drum

ITEM	PART NO.	DESCRIPTION	QTY.
1	HM218210	INNER BEARING CUP	1
2	HM218248	INNER BEARING CONE	1
3	HM212011	OUTER BEARING CUP	1
4	HM212049	OUTER BEARING CONE	1
5	63680	OUTBOARD MOUNTED BRAKE DRUM (12-1/4" X 7-1/2")	1
	110976	OUTBOARD MOUNTED BRAKE DRUM (16-1/2" x 7")	1
6	112492	HUB IRON - 8 BOLT 100 TH TONER RING (12-1/4" X 7-1/2")	1
	110975	HUB IRON - 8 BOLT 100 TH TONER RING (16-1/2" x 7")	1
7	179933	NUT, HEX M22 X 1.5	8
8	113536	STUD	8
9	4009	CAP HUB	1
10	3067	GASKET OIL CAP	1
11	3-659-010012	SEAL	1
12	1-861-010034-10	WASHER, SPLIT LOCK 5/16	6
13	1-654-010049-03	SCREW, HEX HEAD CAP 5/16-18 X 3/4 GR5	6
14	3-870-010110	WHEEL, DISC PILOT MOUNT 22.5 X 8.25	1
	111416	WHEEL, ALUMINUM PILOT 22.5 X 8.25 POLISHED	1
	111417	WHEEL, ALUMINUM PILOT 22.5 X 8.25 MACHINED	1
15	TR573	VALVE STEM - STEEL WHEEL	1
16	1-843-010014	VALVE, EXTENSION, STEM 3" (NOT SHOWN)	1
17	114619**	WHEEL GUARD 8 HOLE 275 MM BC (NOT SHOW)	2
	3-870-010107**	WHEEL GUARD 10 HOLE 285.75MM BC	2
	123882	SPACER, WHEEL .375 X 10 HOLE HUB	2
18	142549	HUBODOMETER 10R17.5 TIRE (ITEMS 21 & 22)	1
	142551	HUBODOMETER 215/75R17.5 TIRE (ITEMS 21 & 22)	1
	142550	HUBODOMETER 235/75R17.5 TIRE (ITEMS 21 & 22)	1
	137108	HUBODOMETER 255/70R22.5 TIRE (ITEMS 21 & 22)	1
19	*-----	ABS TONE RING	1
20	112529	BRACKET, HUBODOMETER, CON-MET	1
21	113109	HUBODOMETER 567 RPM	1

* THIS PART SHOULD BE REPLACED IN CONJUNCTION WITH THE HUB. IT SHOULD NEVER BE SOLD SEPARATELY.

**USE BETWEEN STEEL DRUM OR WHEEL AND ALUMINUM WHEEL.

Tire Inflation System

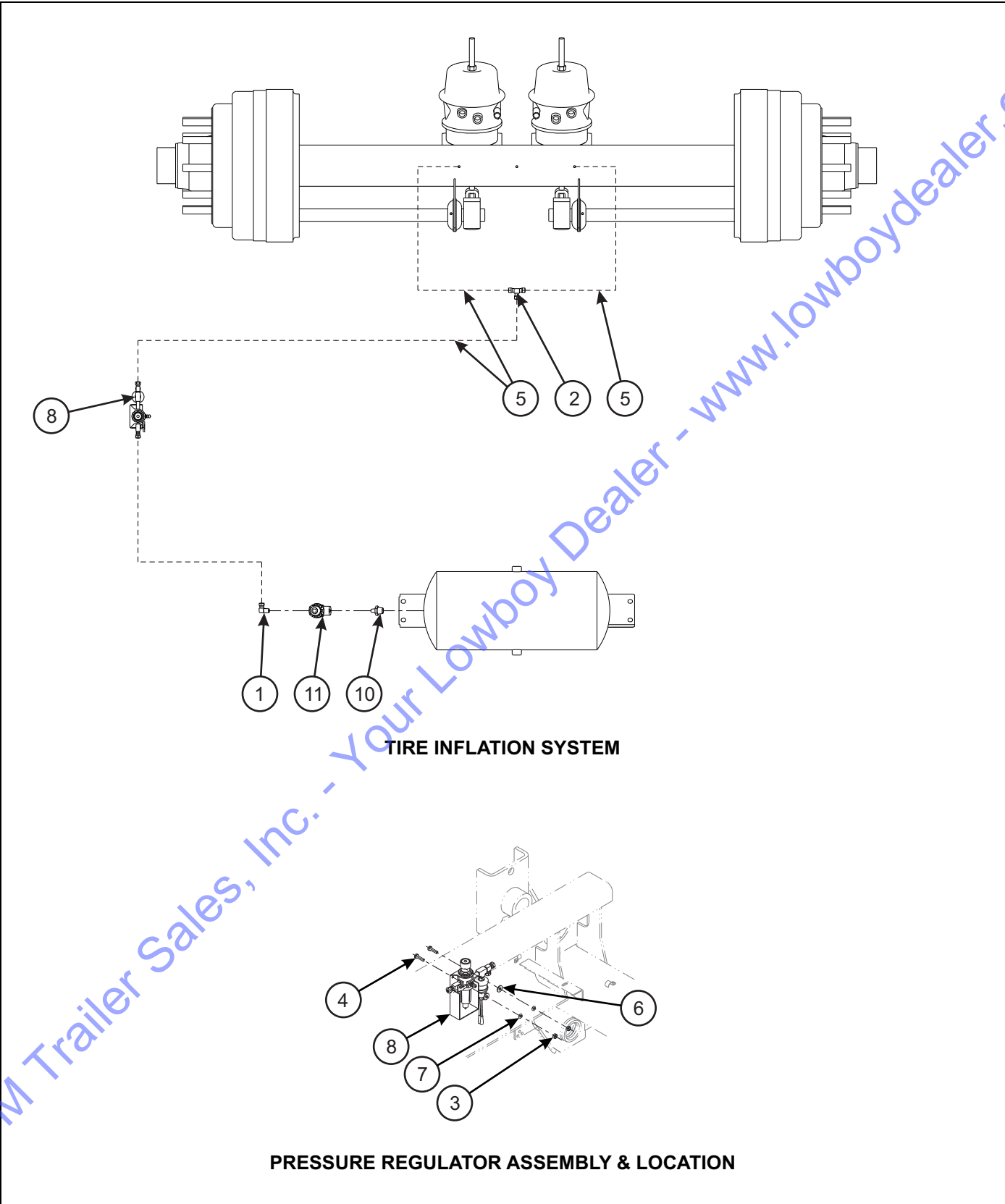


Figure 1-27: Tire Inflation System

Tire Inflation System

ITEM	PART NO.	DESCRIPTION	QTY.
1	1-297-010008-07	FITTING, AIR 90	REF
2	1-297-010010-01	FITTING, AIR UNION TEE	REF
3	1-512-010007-05	NUT, HEX, 1/4-20 UNC, GR2	REF
4	1-654-010047-06	SCREW, HEX, 1/4-20 UNC, GR2	REF
5	1-833-010001	TUBING, NYLON 1/4 OD	AR
6	1-861-010032-07	WASHER, FLAT, ZP/CD, 1/4W	REF
7	1-861-010034-09	WASHER, LKG, HLCL SPR, 1/4	REF
8	157701	TIRE INFLATION SYSTEM - 1AX (ITEMS 1,2,10, & 11) (SEE PAGE 1-44)	1
9	176473	HARNESS KIT, TIRE INFLATION (NOT SHOWN) (SEE PAGE 1-45)	1
10	2083-8-4S	NIPPLE, HEX 1/2 - 1/4	REF
11	905-54-107	BRAKE PROTECTION VALVE	REF
	167692	FILTER (PART OF 905-54-107) (NOT SHOWN)	REF

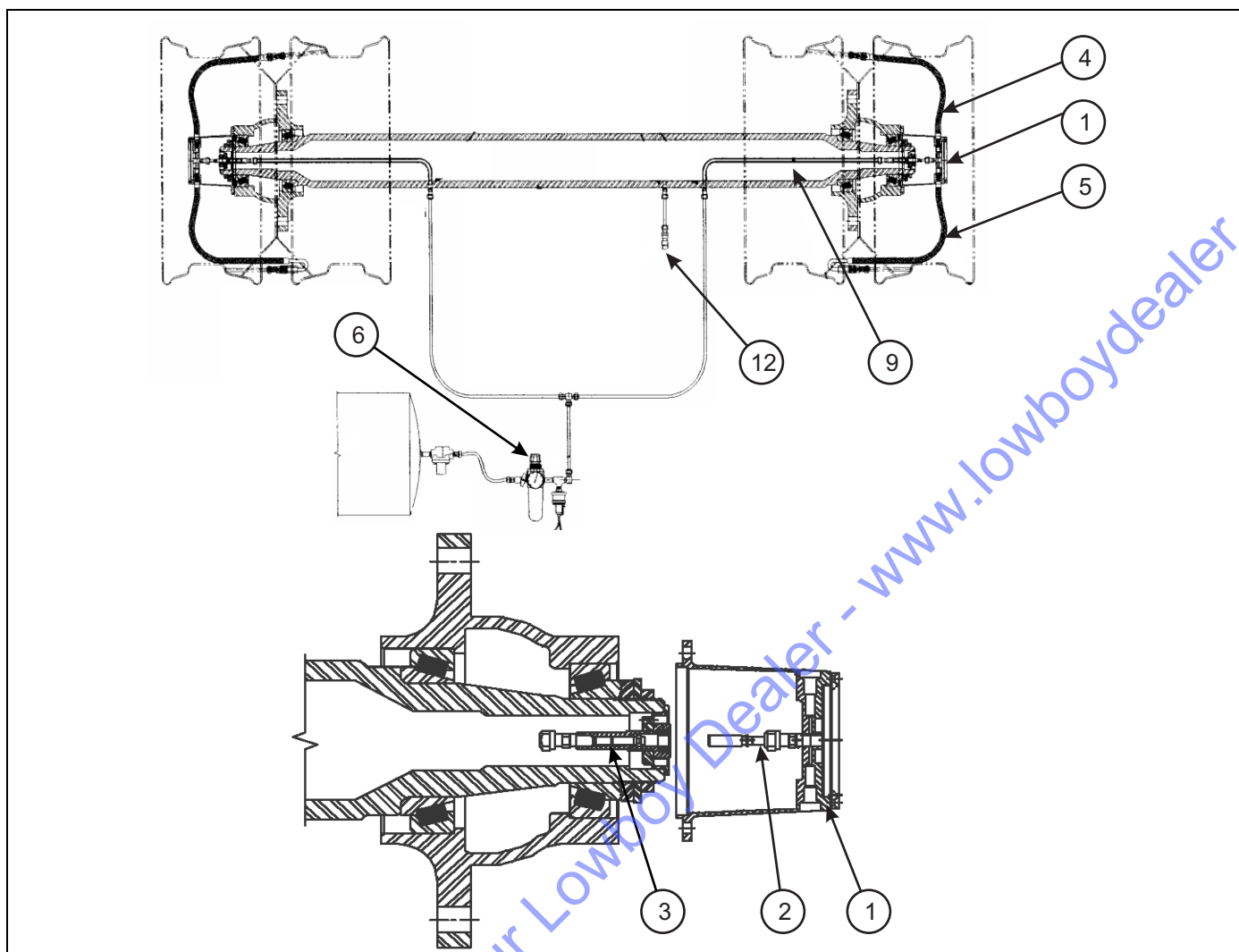


Figure 1-28: Tire Inflation System - 1AX (Option)

Tire Inflation System - 1AX (Option)

ITEM	PART NO.	DESCRIPTION	QTY.
	157701	TIRE INFLATION SYSTEM 1AX	
1	178747	HUB CAP ASSEMBLY	2
2	157705	ROTATING SHAFT, UNIVERSAL	2
3	178748	SPINDLE PLUG, 1.75"	2
4	159337	HOSE ASSEMBLY, INNER TIRE	2
5	159338	HOSE ASSEMBLY, OUTER TIRE	2
6	178749	REGULATOR ASSEMBLY	1
7	178750	WARNING LIGHT KIT (NOT SHOWN)	1
8	----	NYLON AIR TUBE (NOT SHOWN)	1
9	----	CHAFE GUARD	1
10	----	LARGE WIRE TIES (NOT SHOWN)	2
11	----	AXLE PLUMBING KIT (NOT SHOWN)	1
12	----	VENT TUBE ASSEMBLY	1
13	178751	AIR TANK PLUMBING KIT (NOT SHOWN)	1
14	178752	LIGHT, PRESSURE GUARD (NOT SHOWN)	1
15	178753	PRESSURE SWITCH (NOT SHOWN)	1

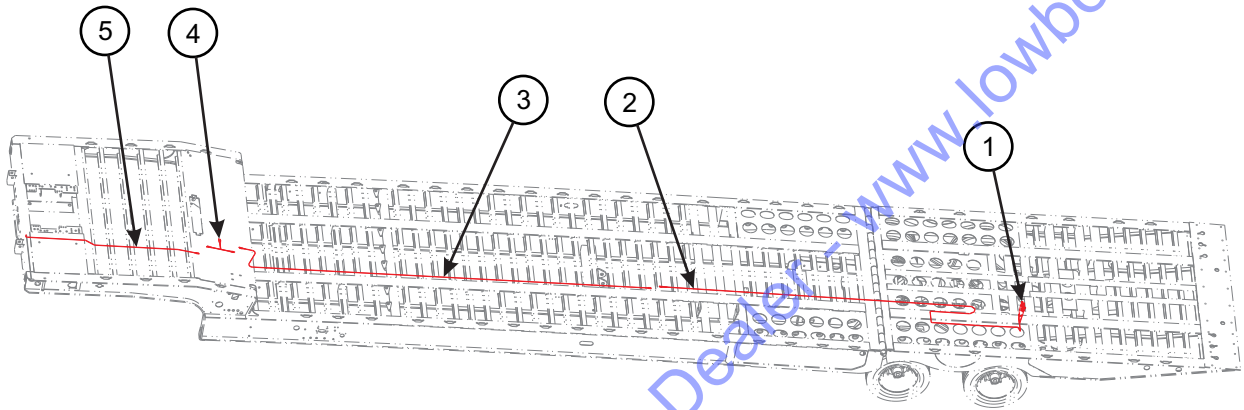


Figure 1-29: Tire Inflation System - Harness Kit

Tire Inflation System - Harness Kit

ITEM	PART NO.	DESCRIPTION	QTY.
	176473	HARNESS KIT, TIRE INFLATION	
1	----	TIRE INFLATION SYSTEM	REF
2	176476	HARNESS, TIRE INFLATION LD25S	1
3	176477	HARNESS, TIRE INFLATION LD30	1
4	176478	HARNESS, TIRE INFLATION LDPWR	1
5	176479	HARNESS, TIRE INFLATION LD15L	1

Gearboxes

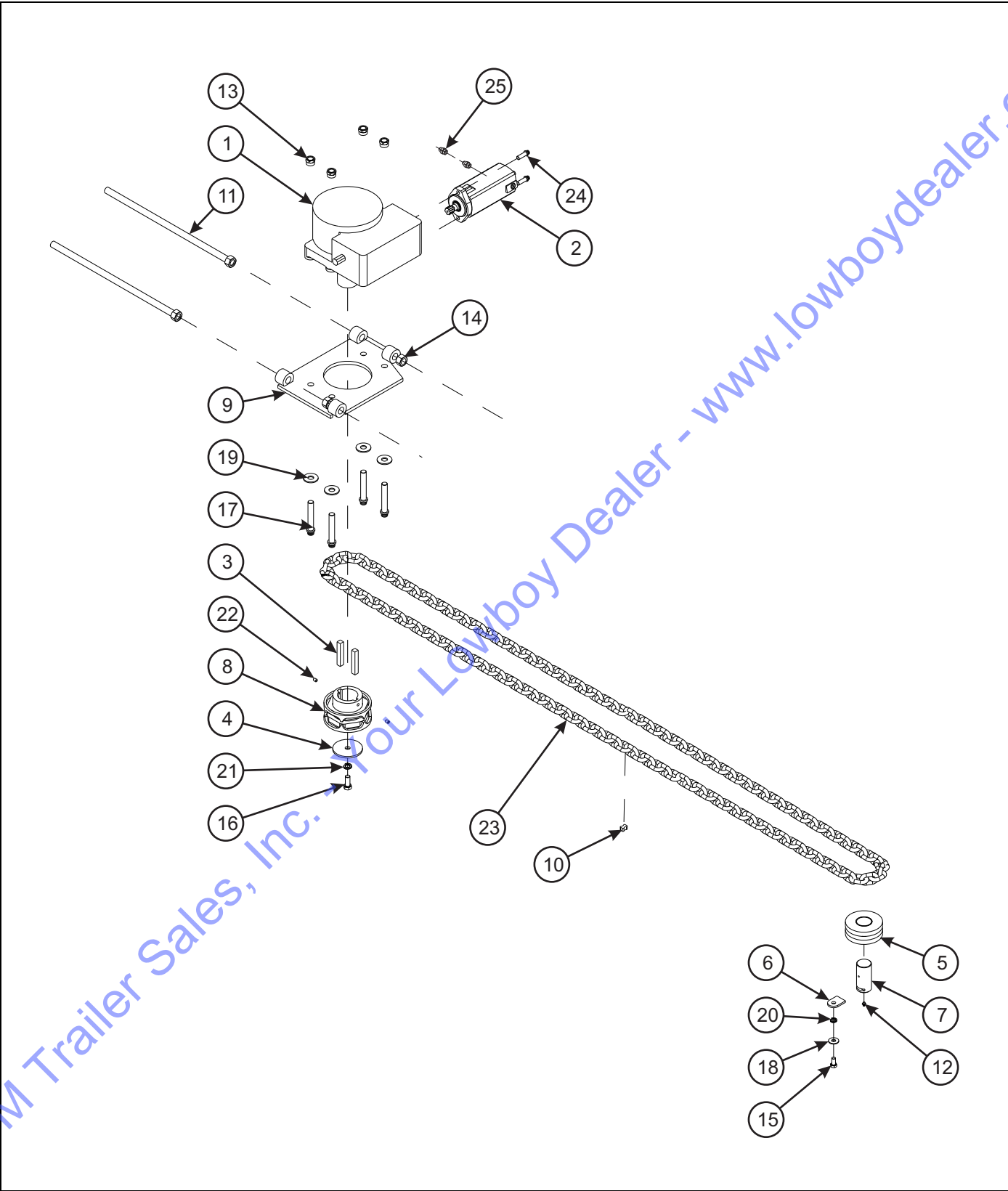


Figure 1-30: Gearbox Assembly

Gearbox Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	129215	GEARBOX ASSEMBLY, 340 TRL	
	180898	GEARBOX ASSEMBLY, 343-43 TRL	
	131256	GEARBOX ASSEMBLY, 340-50 TRL	
1	126858	GEARBOX, BRADEN (SEE PAGE 1-48)	1
2	126973	MOTOR FOR BRADEN GEARBOX	1
3	127598	SQUARE ROD, 5/8 X 3-3/4	2
4	128713	WASHER, KEEPER CHAIN GEAR	1
5	128801	IDLER, LOG CHAIN 1/2	1
6	128802	STOP, IDLER PIN	1
7	128803	PIN, IDLER LOG CHAIN	1
8	142164***	BUSHING, CHAIN SPROCKET 1/2	1
	169359**	BUSHING, CHAIN SPROCKET 1/2 LONG	1
9	129203	ANCHOR WELDMENT, GEARBOX ADJ	1
10	129214	SPLICE, CHAIN 1/2	1
11	129217	ROD WELDMENT 7/8-9 X 25	2
12	1-298-010001-1	FITTING, GREASE 1/4-28	1
13	1-512-010005-15	NUT, HEX LOCK 3/4-10 GRB	4
14	1-512-010007-13	NUT, HEX 7/8-9 GRB	2
15	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5	1
16	1-654-010059-03	SCREW, HEX HEAD CAP 5/8-11 X 1-1/2 GR5	1
17	139345	SCREW, 12 PT 3/4-10 X 4-1/2	4
18	1-861-010032-15	WASHER, FLAT 1/2W	4
19	1-861-010032-21	WASHER, FLAT 3/4W	4
20	1-861-010034-13	WASHER, SPLIT LOCK 1/2	1
21	1-861-010034-15	WASHER, SPLIT LOCK 5/8	1
22	110-3494	SET SCREW, SOCKET HEAD 3/8-16 X 1/2	2
23	159685	CHAIN 1/2" X 1104" GRD7 (USED W/ 129215)	1
	159688	CHAIN 1/2" X 1200" GRD7 (USED W/ 131256)	1
	183672	CHAIN 1/2" X 1032" GRD7 (USED W/ 180898)	1
24	130127	SCREW, 12 PT FLANGE 1/2-13 X 1-1/2	2
25	202702-10-8S	ADAPTER, #10 O-RING, #8 TUBE	2
	61258	SEAL KIT IS FOR MOTOR #126973	1

NOTE: ** CHAIN DRIVE SPROCKET 169359 IS USED W/ 2-11/16" TO 2-3/4" LONG CHAIN LINKS
 *** CHAIN DRIVE SPROCKET 142164 IS USED W/ 2-5/8" TO 2-11/16" LONG CHAIN LINKS

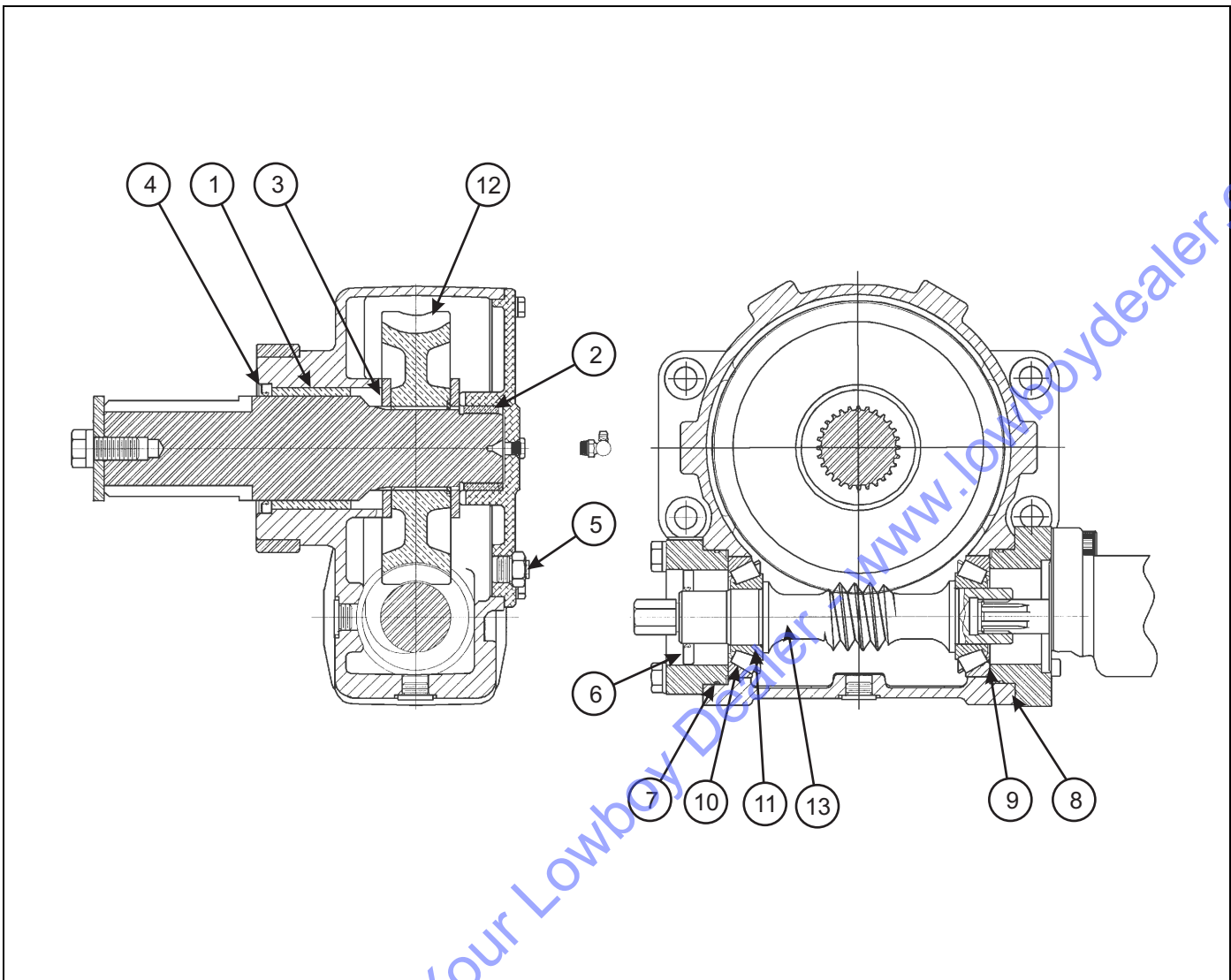


Figure 1-31: Gearbox Items

Gearbox Items

ITEM	PART NO.	DESCRIPTION	QTY.
	126858	GEARBOX	
1	130346	WORM HOUSING BUSHING	1
2	130347	WORM HOUSING COVER BUSHING	1
3	130348	THRUST WASHER	2
4	130349	SEAL	1
5	130350	RELIEF/VENT	1
6	130351	SEAL	1
7	130352	O-RING	2
8	130353	SHIM	2
9	137935	GASKET	1
10	194301	BEARING CUP	2
11	194302	BEARING CONE	2
12	194303	WORM GEAR (30:1 UT12C)	1
13	194304	WORM	1

Container Assemblies, Chains & Stops

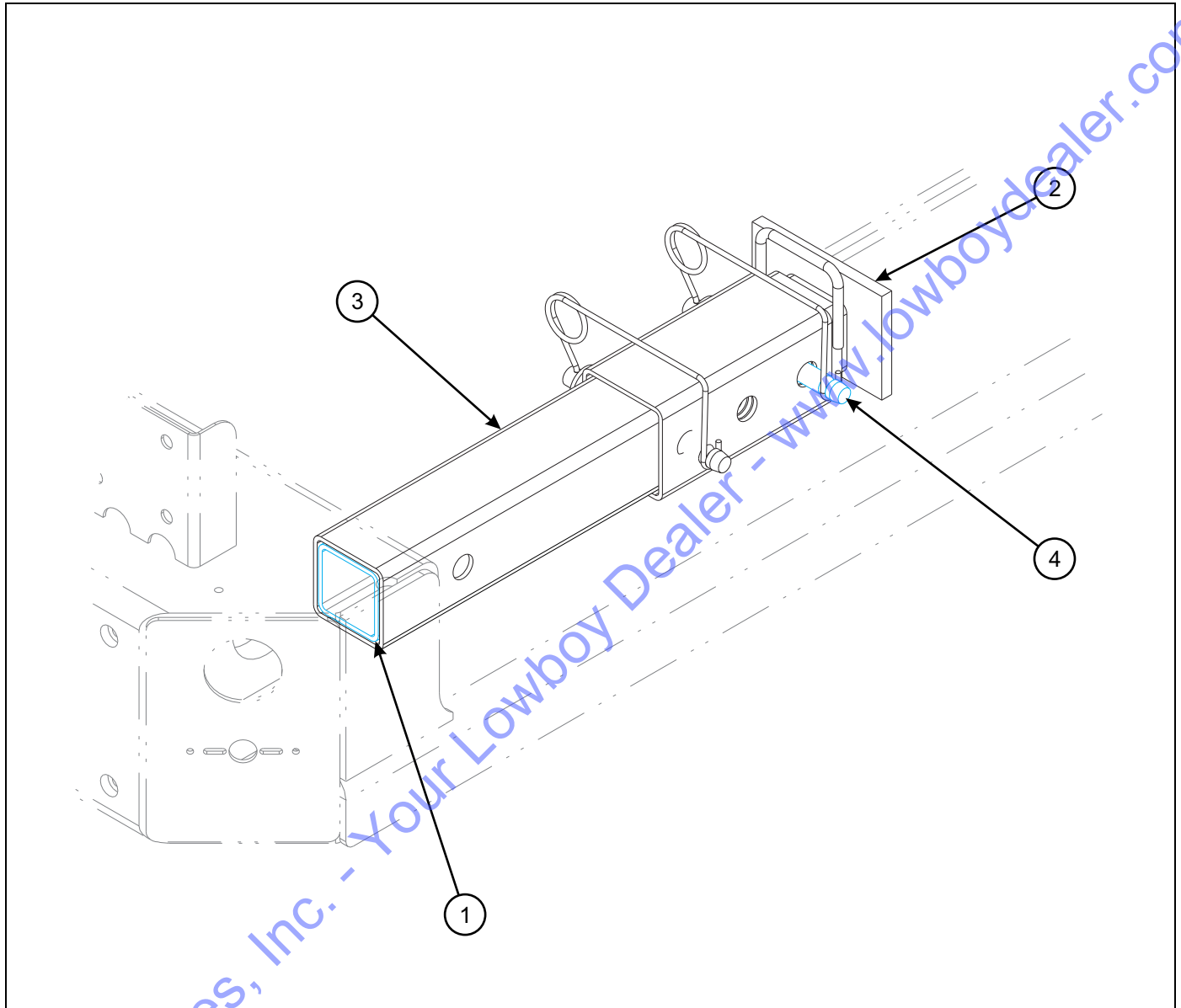


Figure 1-32: Adjustable Stop Assembly

Adjustable Stop Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
1	187965**	ADJUSTABLE STOP ASSEMBLY	
	187963	TUBE, INSTALLATION, ADJ, STOP	REF
	187964	GALVANIZING OF 187963	REF
2	3-829-010327	TUBE, WELDMENT, 3' ADJ, STOP	2
3	3-829-00329	TUBE, WELDMENT, 3-1/2 ADJ, STOP	2
4	346SL	PIN, HITCH LOCK	4

NOTE: **USED W/ CHAIN DRIVE AND WINCH

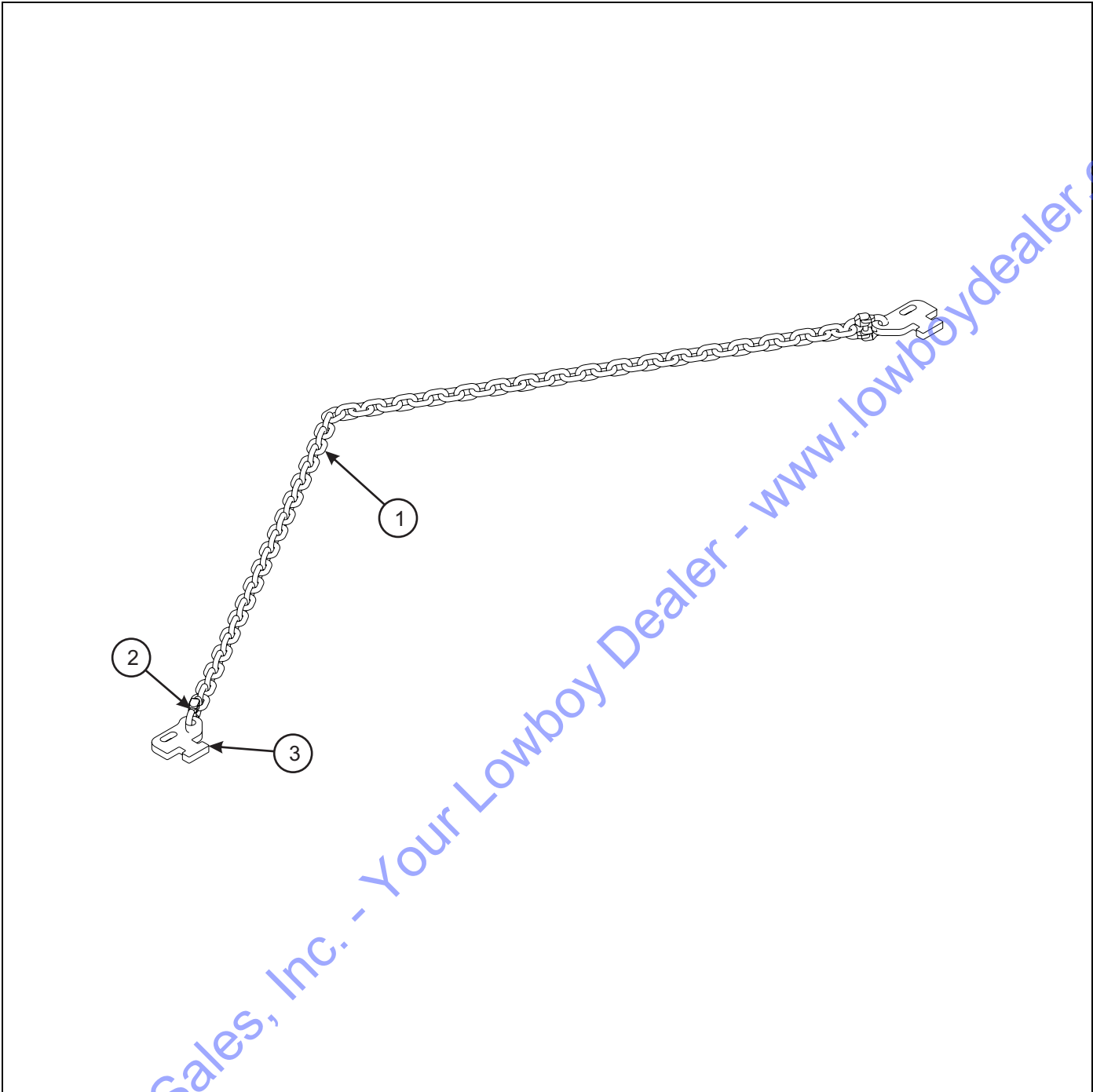


Figure 1-33: Chain Assembly -Container Load

Chain Assembly - Container Load

ITEM	PART NO.	DESCRIPTION	QTY.
	135316**	CHAIN ASSEMBLY, CONTAINER LOAD	
1	3-174-010039	CHAIN, 1/2 X 87" GR 7	1
2	3-174-010038	CHAIN LINK, CONNECTING 1/2	2
3	128480	PLATE, CONTAINER CONNECT	2

NOTE: **USED W/ CHAIN DRIVE AND WINCH

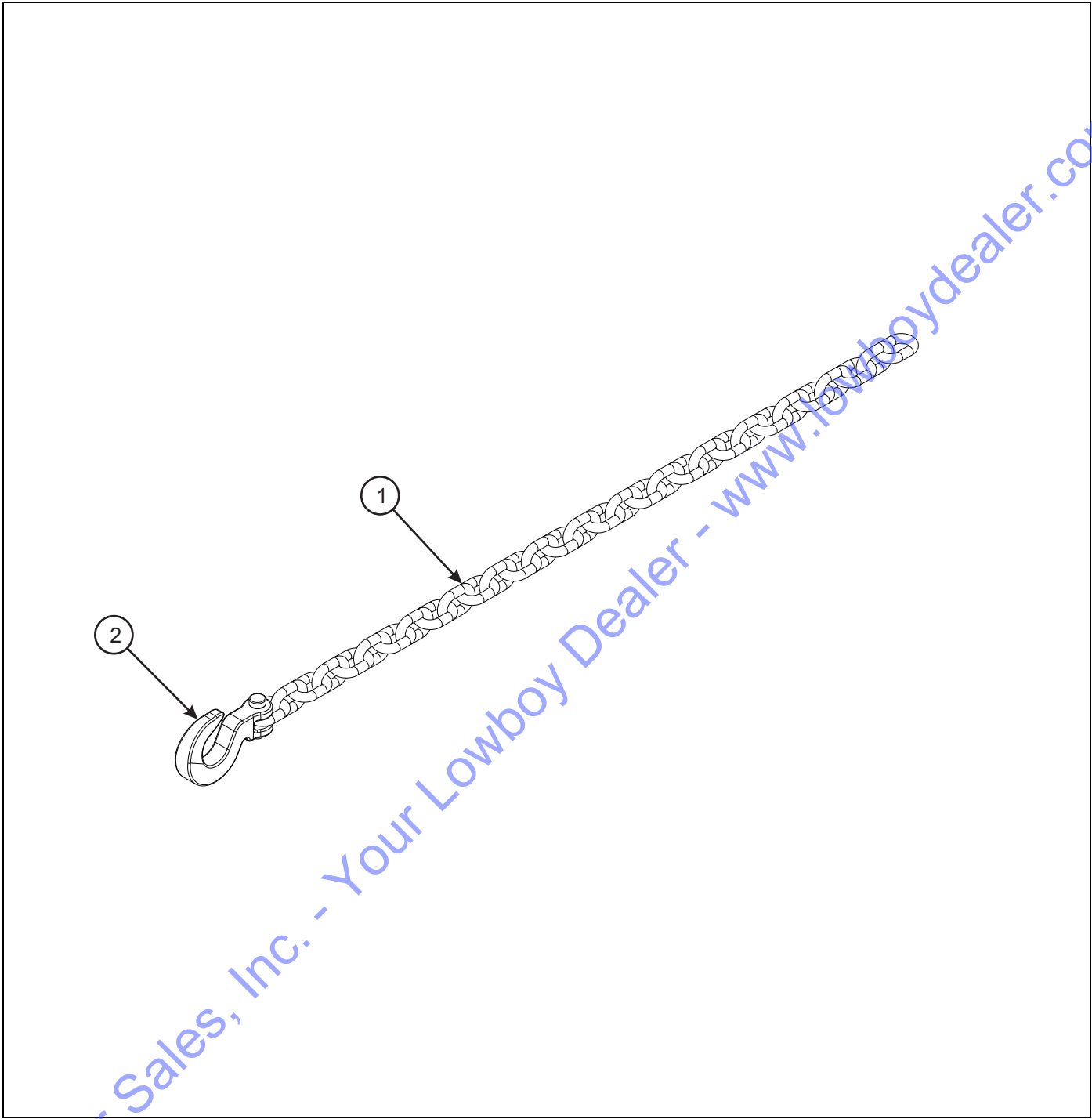


Figure 1-34: Chain and Hook Assembly

Chain and Hook Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	129938**	CHAIN AND HOOK ASSEMBLY	
1	3-174-010039	CHAIN 1/2 GR7	42"
2	7HCGHT500	HOOK, CLEVIS GRAB 1/2	2

NOTE: ** USED ONLY W/ CHAIN DRIVE

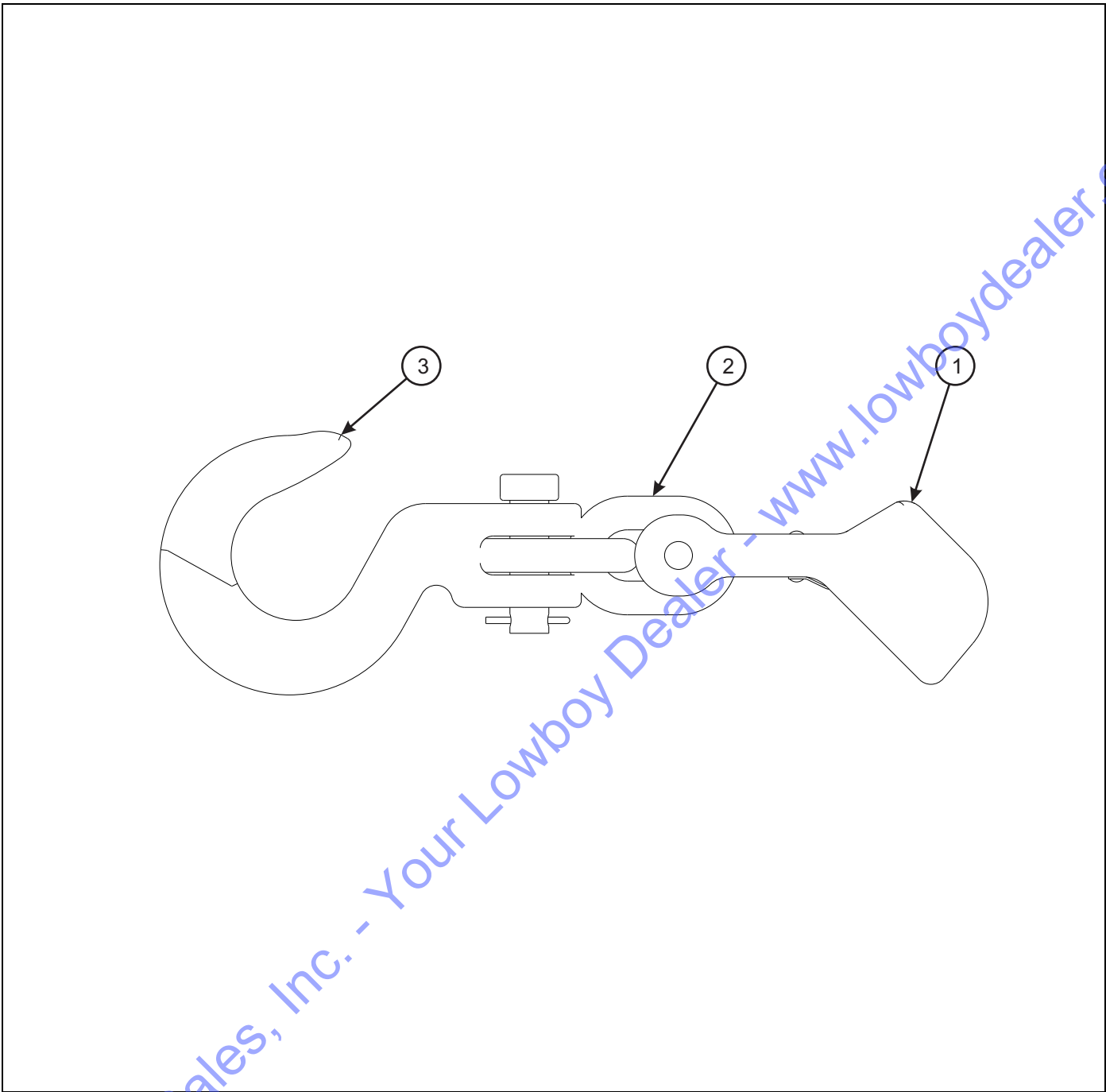


Figure 1-35: Container Assembly - Chain Connect

Container Assembly - Chain Connect

ITEM	PART NO.	DESCRIPTION	QTY.
	129209**	CHAIN CONNECT/ CONTAINER ASSEMBLY	
1	128500	CHAIN SHORTENER LINK 1/2	1
2	3-174-010039	CHAIN 1/2" GR7	4"
3	7HCGHT500	HOOK CLEVIS GRAB 1/2	1

NOTE: **USED ONLY W/ CHAIN DRIVE

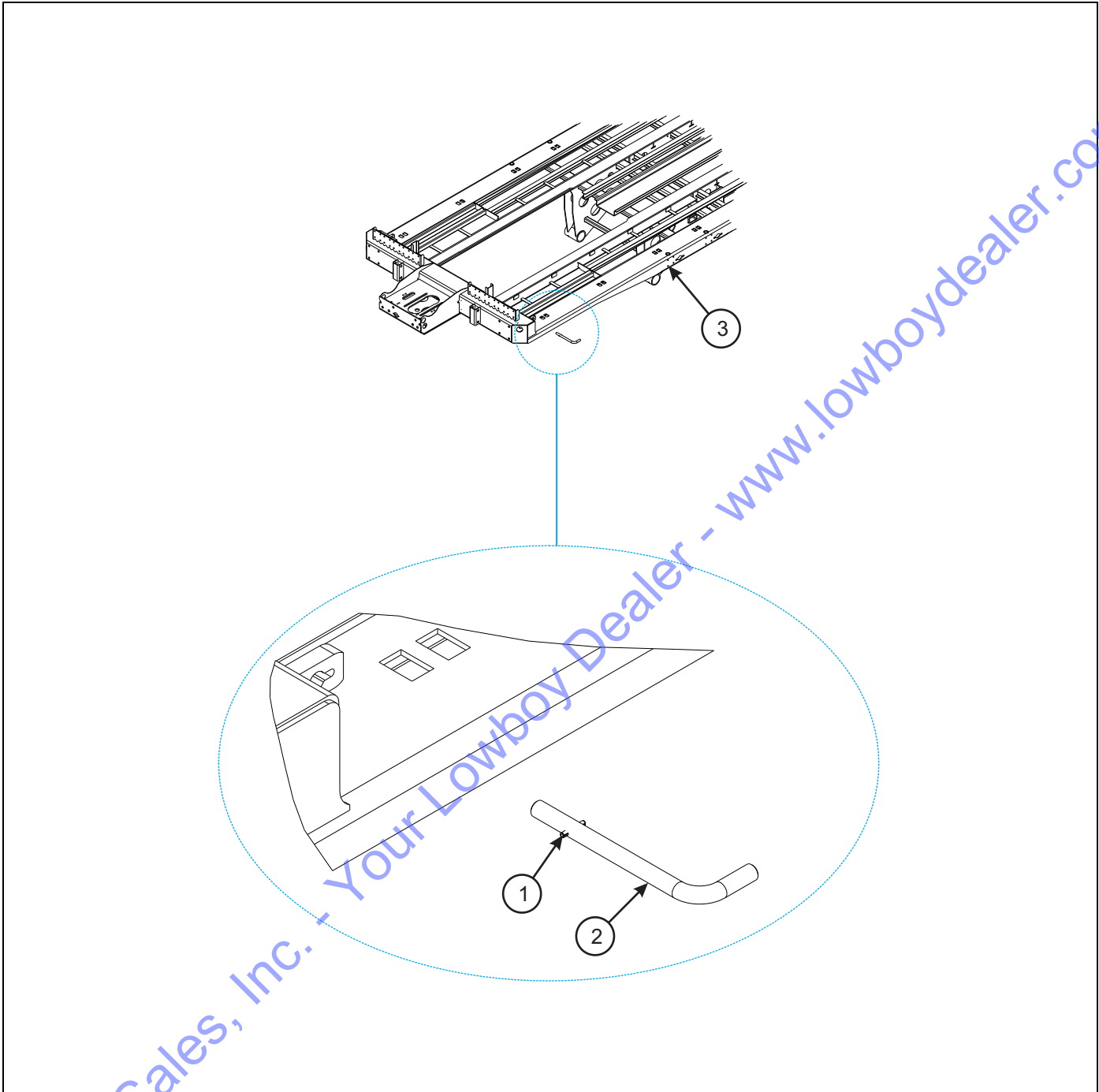


Figure 1-36: Container Assembly - Front Pair Pin

Container Assembly - Front Pair Pin

ITEM	PART NO.	DESCRIPTION	QTY.
	180255**	FRON PAIR PIN CONTAINER	
1	1-647-010004217	SPRING PIN, SLOTTED 1/4 X 1-1/2	4
2	127843	PIN, TOP OFFLOAD FOOT	4
3	----	FRAME WELDMENT	REF

NOTE: **USED W/ CHAIN DRIVE AND WINCH

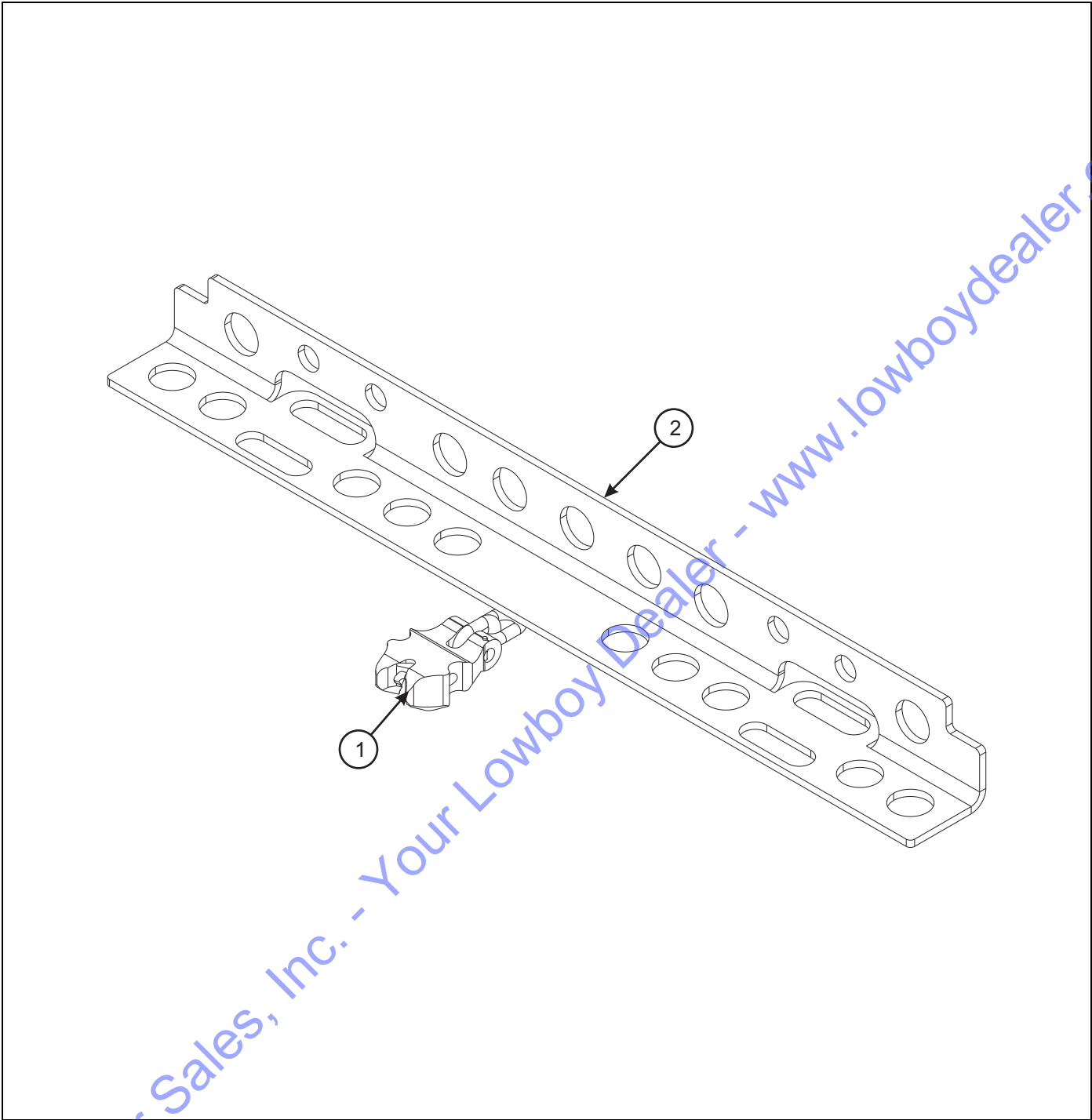


Figure 1-37: Pusher -Container Assembly

Container Assembly - Pusher

ITEM	PART NO.	DESCRIPTION	QTY.
	171210**	CONTAINER PUSHER ASSEMBLY	
1	128500	CHAIN SHORTENER LINK 1/2	1
2	171211	PUSHER, CONTAINER UNLOAD	1

NOTE: ** USED ONLY W/ CHAIN DRIVE

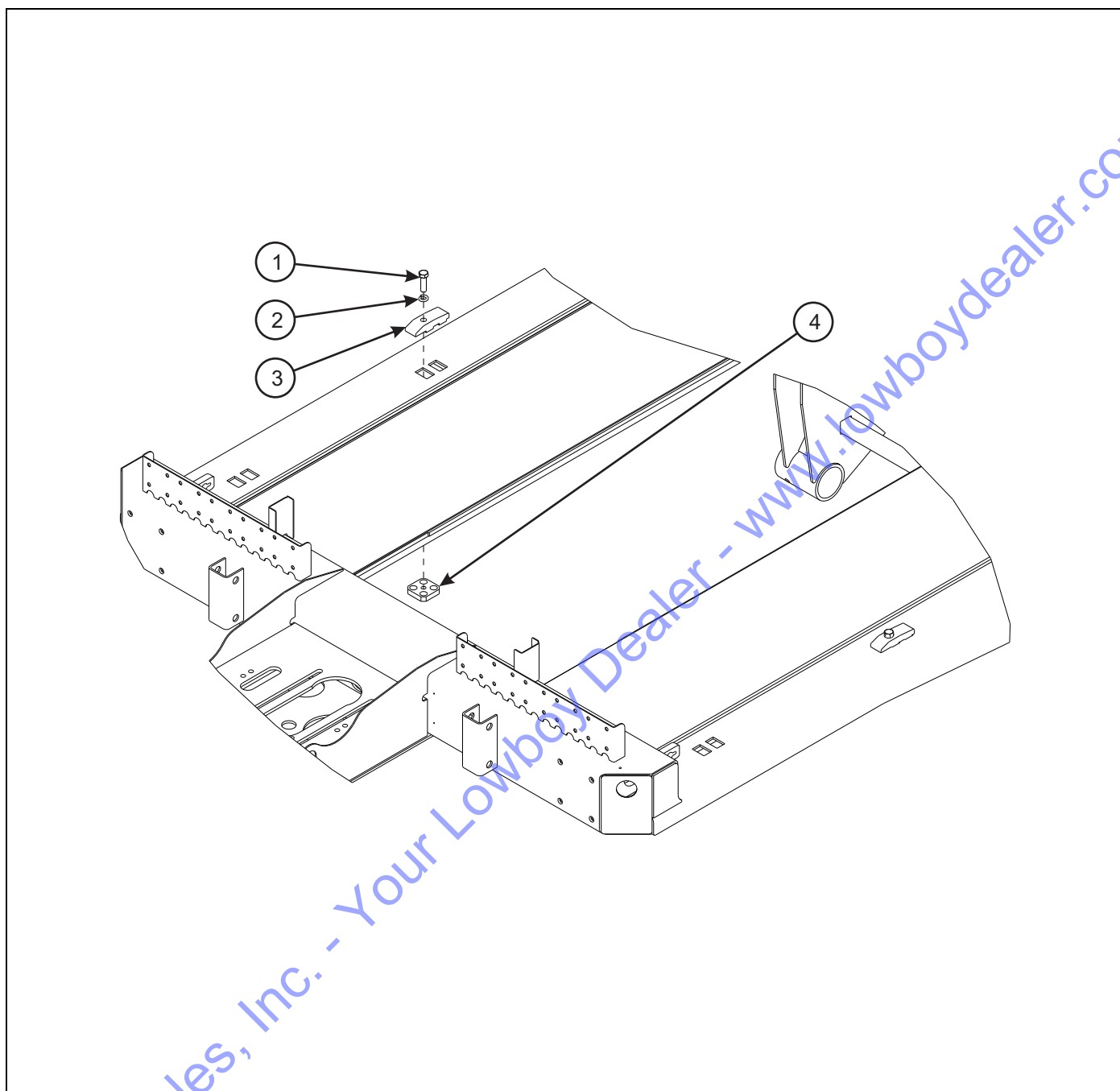


Figure 1-38: Container Pair - Front Pair

Container Stop - Front Pair

ITEM	PART NO.	DESCRIPTION	QTY.
	180265**	FRONT CONTAINER STOP, PAIR	
1	1-861-010034-17	WASHER, SPLIT LOCK 3/4	4
2	104483	SCREW, HEX HEAD CAP 3/4-10 X 2-1/2 GR8	2
3	180263	STOP, FRONT CONTAINER	2
4	180264	PLATE, BOTTOM STOP CONTAINER	2

NOTE: **USED W/ CHAIN DRIVE AND WINCH

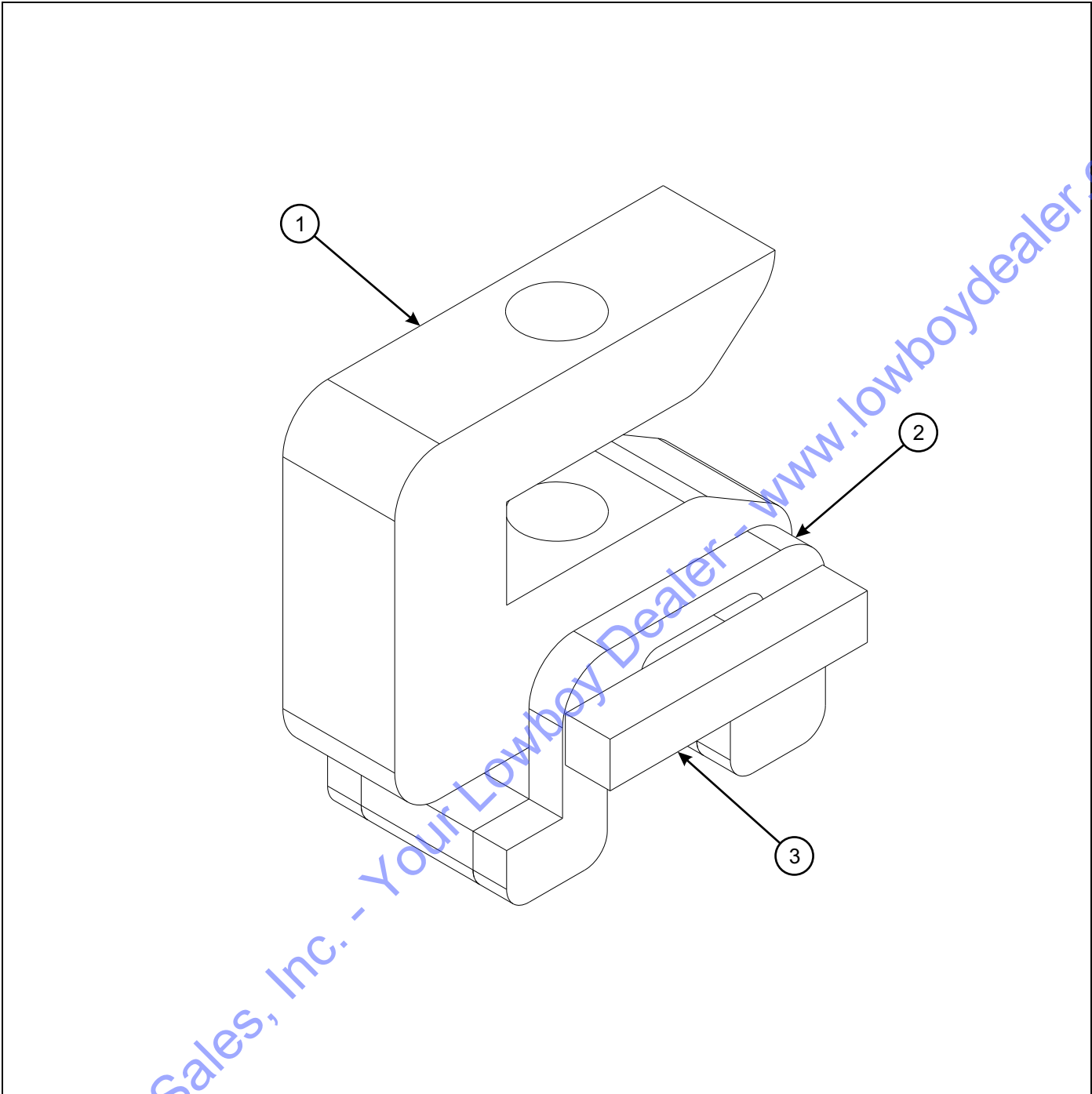


Figure 1-39: Container Stop - Front Weldment

Container Stop - Front Weldment

ITEM	PART NO.	DESCRIPTION	QTY.
	178678**	CONTAINER STOP FRONT WELDMENT	
1	128481	PLATE, CONTAINER STOP, 340	1
2	178677	CONTAINER STOP REINFORCEMENT	2
3	RSR699X2_875	BAR, SQUARE, 1/2 X 2-7/8	2

NOTE: **USED W/ CHAIN DRIVE AND WINCH

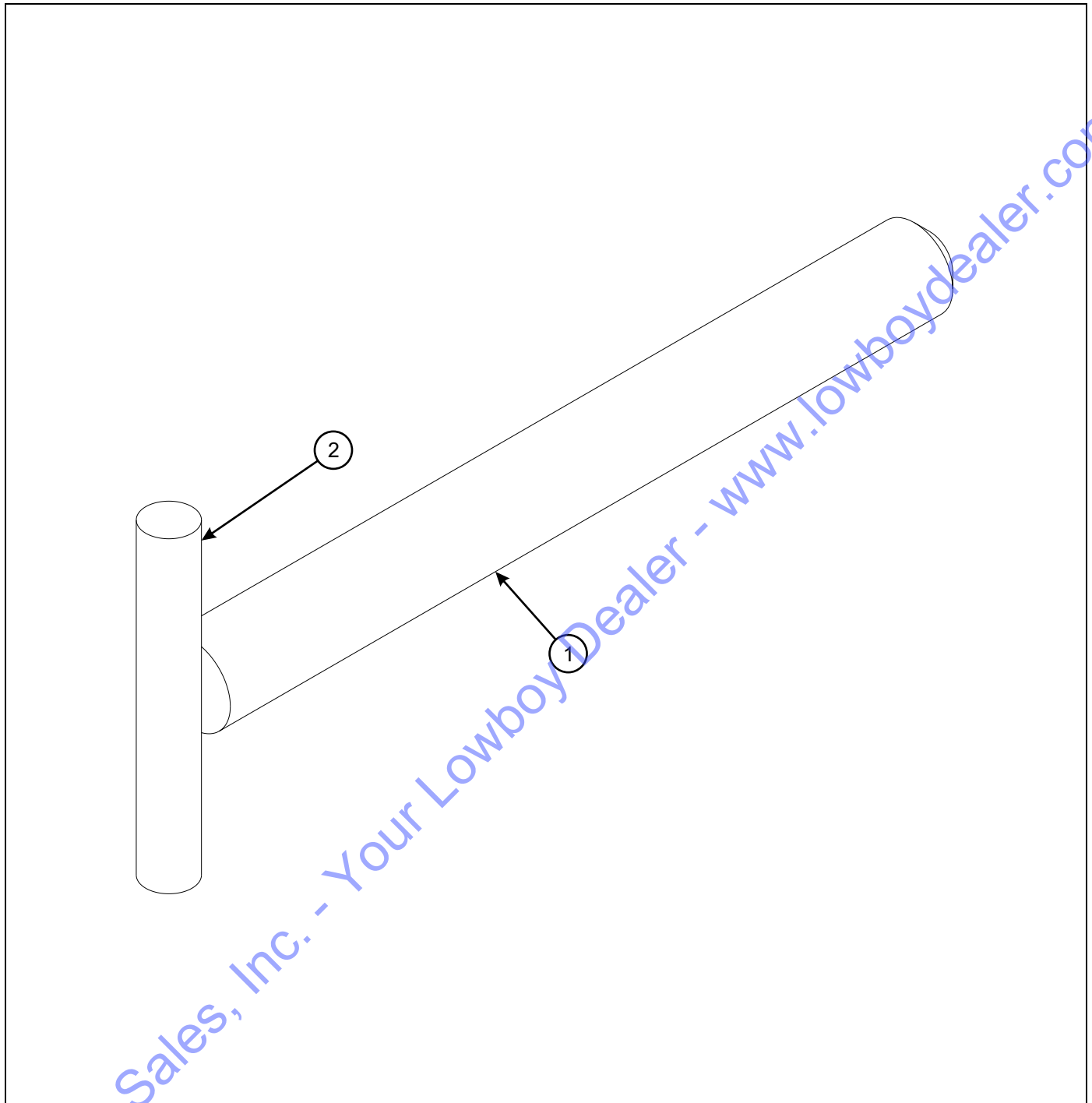


Figure 1-40: Container Stop - Pin Weldment

Container Stop - Pin Weldment

ITEM	PART NO.	DESCRIPTION	QTY.
	128484**	CONTAINER STOP PIN WELDMENT	
1	128483	PIN, CONTAINER STOP, 340	1
2	RRRCF502X2_50	BAR, ROUND, 3/8 DIA X 2-1/2	1

NOTE: **USED W/ CHAIN DRIVE AND WINCH

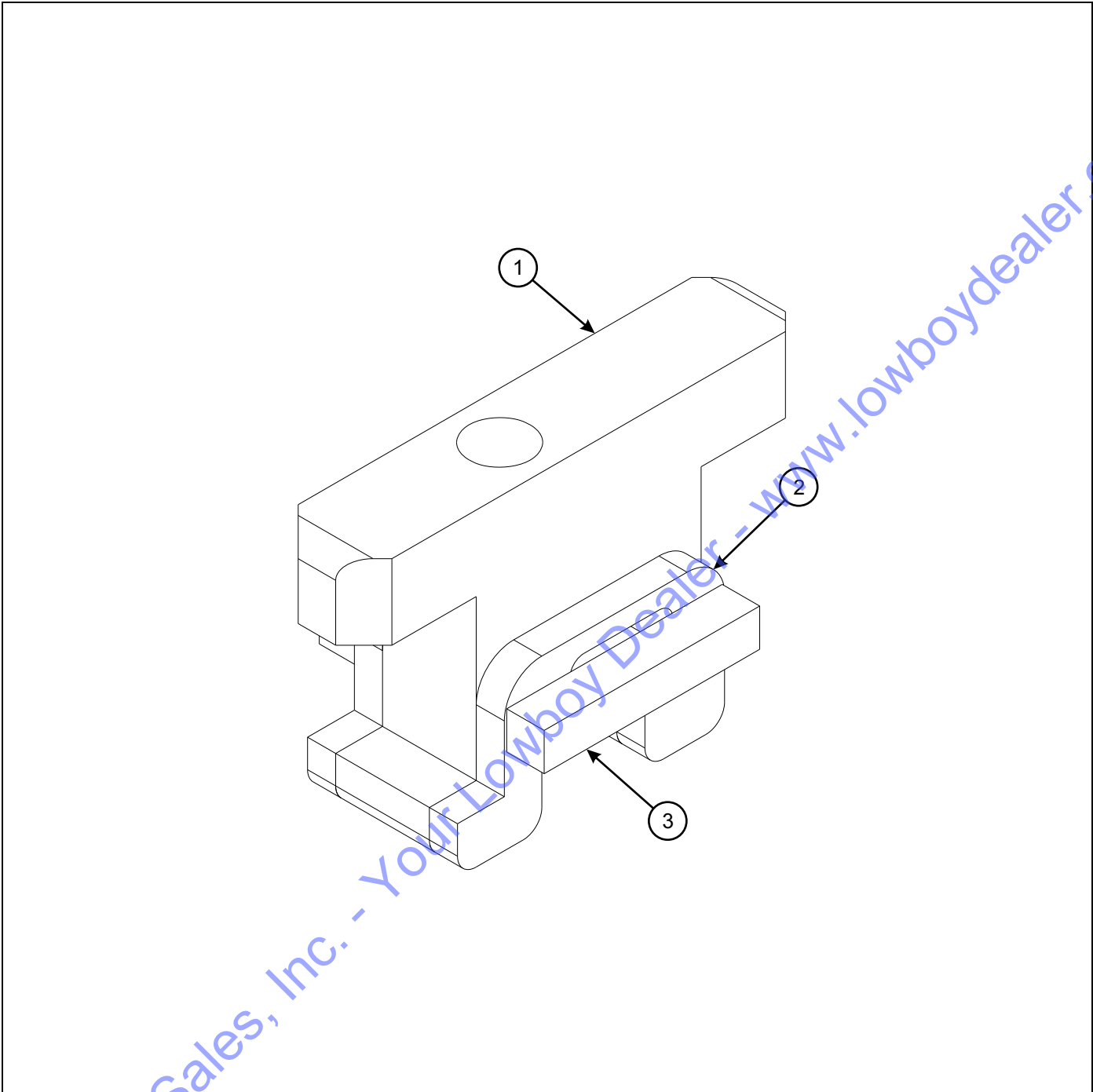


Figure 1-41: Container Stop - Rear Weldment

Container Stop - Rear Weldment

ITEM	PART NO.	DESCRIPTION	QTY.
	178679**	REAR CONTAINER STOP WELDMENT	
1	127319	STOP, CONTAINER 330	1
2	178677	CONTAINER STOP REINFORCEMENT	2
3	RSR699X2_875	BAR, SQUARE, 1/2 X 2-7/8	2

NOTE: **USED W/ CHAIN DRIVE AND WINCH

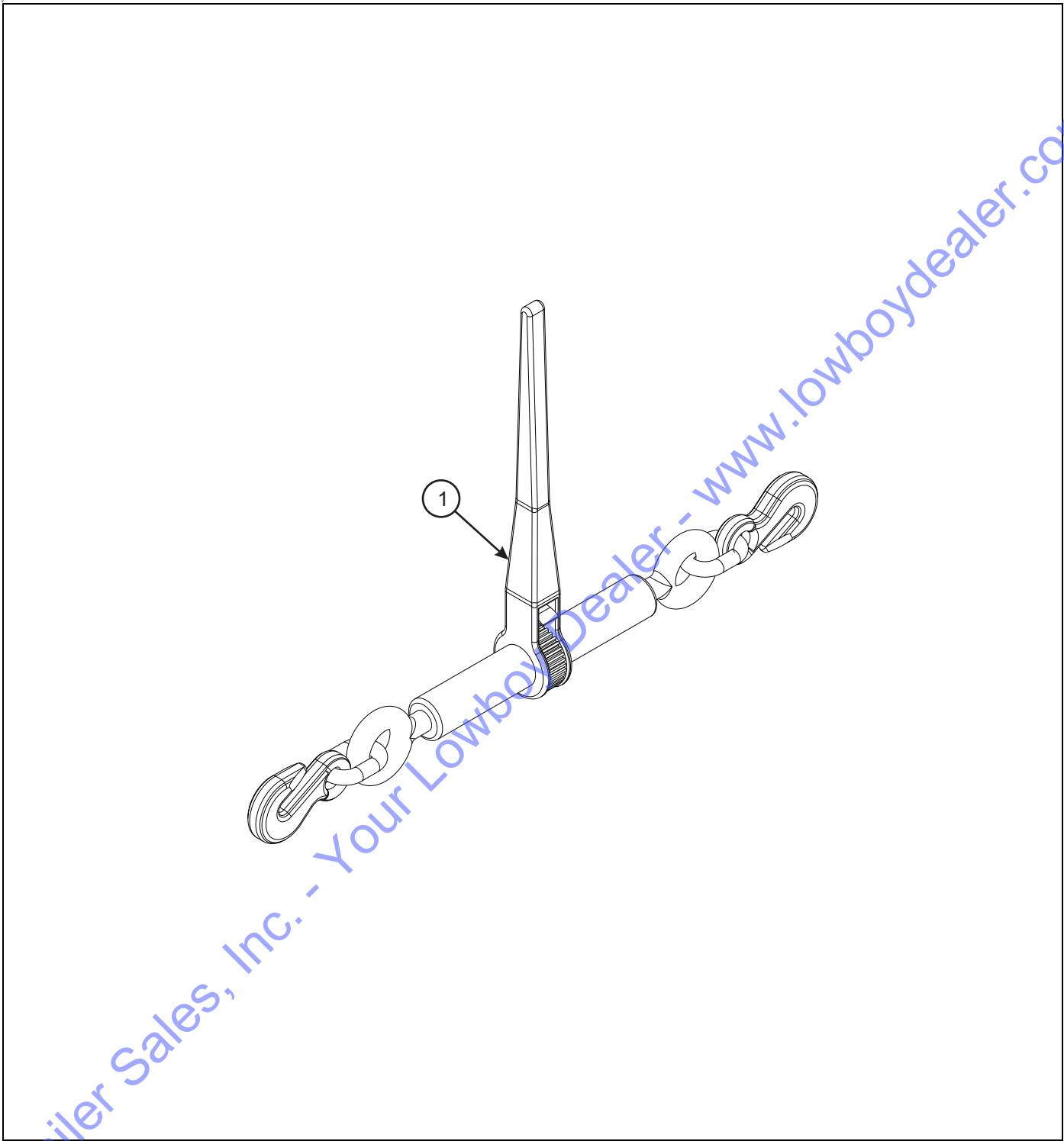


Figure 1-42: Load Binder - 3/8 Ratchet Style

Load Binder - 3/8 Ratchet Style

ITEM	PART NO.	DESCRIPTION	QTY.
1	130093**	LOAD BINDER 3/8 RATCHET STYLE	2

NOTE: ** USED W/ CHAIN DRIVE AND WINCH

Winches

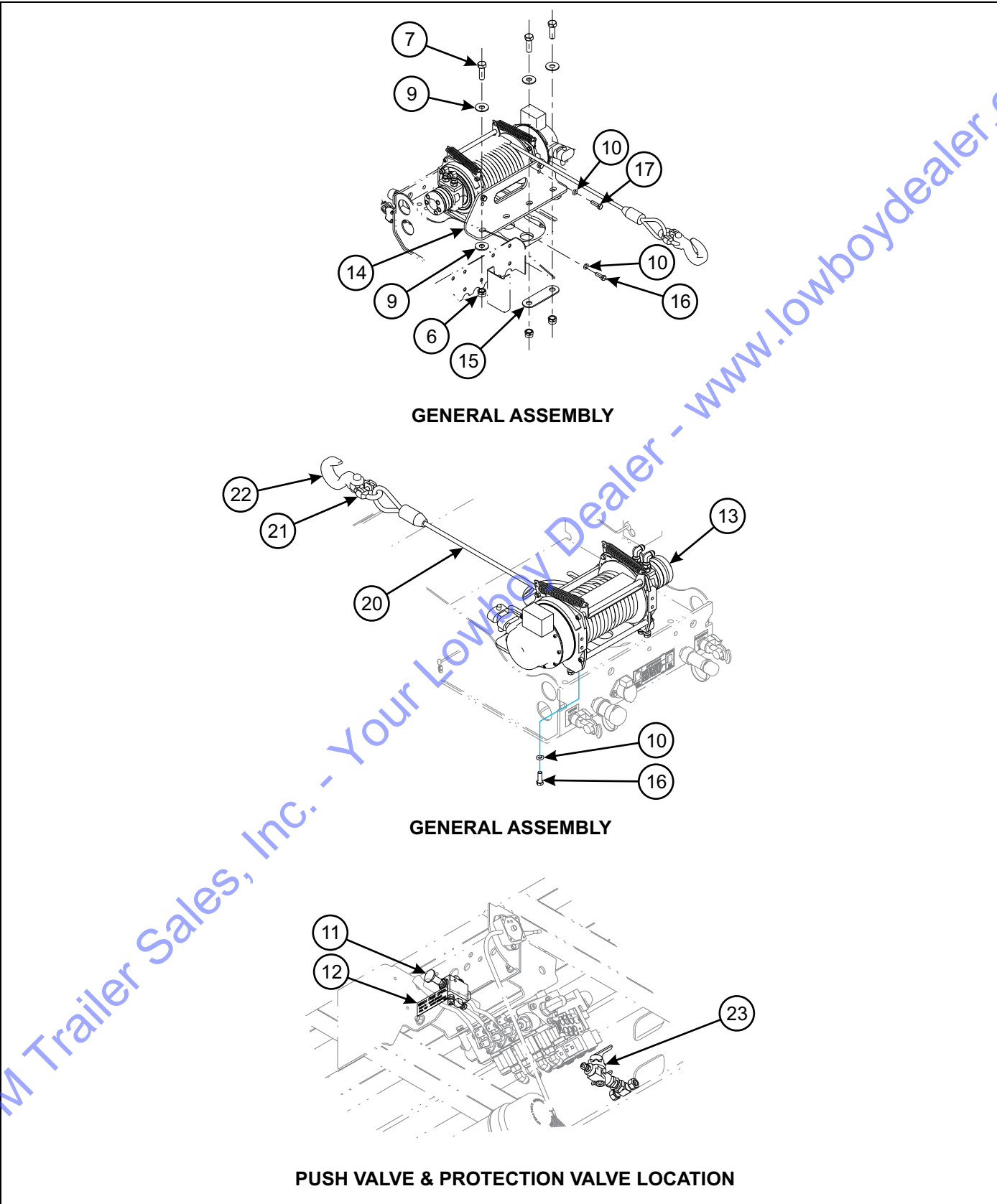


Figure 1-43: Winch Installation - 12K (WARN) (1 of 2)

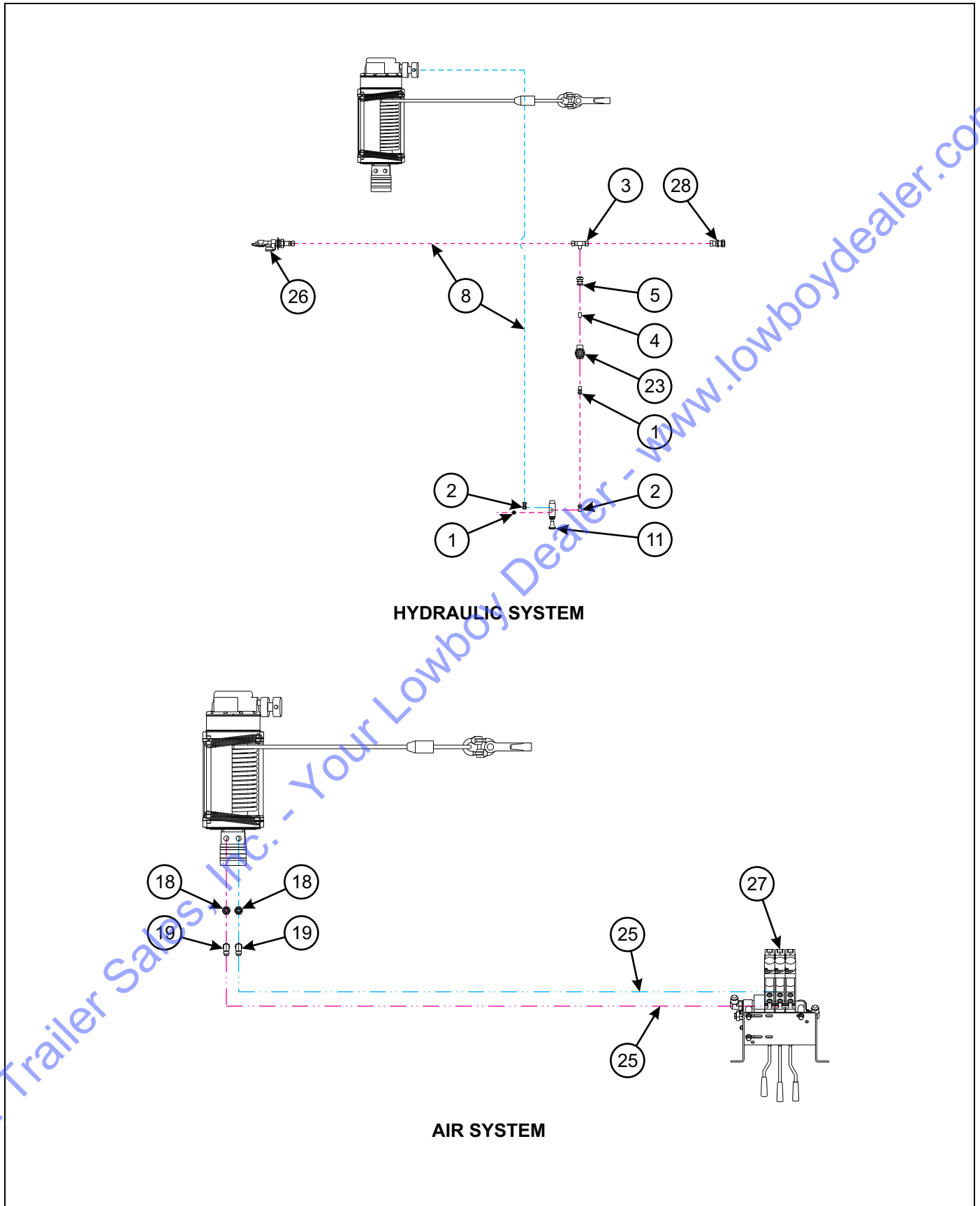


Figure 1-44: Winch Installation - 12K (WARN) 2 of 2

Winch Installation - 12K (WARN)

ITEM	PART NO.	DESCRIPTION	QTY.
	180908	WINCH, 12K WARN, 343	
1	1-297-010007-05	FITTING, AIR	2
2	1-297-010008-07	FITTING, AIR 90	2
3	1-297-010015-09	FITTING, BRASS PIPE TEE	1
4	1-297-010020-02	FITTING, BRASS PIPE HEX	1
5	1-297-010022-02	FITTING, AIR ANCHOR, CPLG, 1/4 NPT	1
6	1-512-010005-15	NUT, HEX, SLFLKG, 3/4-10 UNC, GRB	3
7	1-654-010061-06	SCREW, HEX, 3/4-10 UNC X 2-1/4, GR5	3
8	1-833-010001	TUBING, NYLON 1/4 OD	20'
9	1-861-010032-21	WASHER, FLAT, ZP/CDE, 3/4W	4
10	1-861-010034-13	LOCK WASHER, 1/2"	8
11	134657	VALVE, 3 WAY/2 POSITION	1
12	135184	DECAL, WINCH FREE SPOOL	1
13	166421	WINCH, 12M WARN, WITH LW & RMTC	1
14	180282	BRACKET, FRONT 12K WARN	1
15	180907	BTM PLATE, 12K WARN MT	1
16	ICM1235ER	SCREW, M12-1.75 X 35 HCS, 8.8 ZP	6
17	ICM1240ER	SCREW, M12-1.75 X 40 HCS, 8.8 ZP	2
18	202702-10-8S	ADAPTER, #10 O-RING, #8 TUBE	2
19	2071-8-8S	ADAPTER, 90	2
20	3-155-010017-04	CABLE, 1/2 X 85' LENGTH	1
21	3-174-010038	CHAIN LINK, CONNECTING 1/2	1
22	7HCGHT500	HOOK, CLEVIS GRAB 1/2	1
23	905-54-107	BRAKE PROTECTION VALVE	1
24	178663	HYDRAULIC ELECTRIC AIR SYSTEM (ITEMS 8 & 25-28)	1
25	128472	HOSE, HYDRAULIC 1/2" X 174"	REF
26	108801	GLAD HAND, RED, AIR	REF
27	148242	VALVE ASSY, 3-SPOOL (SEE PAGE 1-12)	REF
28	1-297-010007-15	FITTING, AIR, PIPE TO TUBE	REF

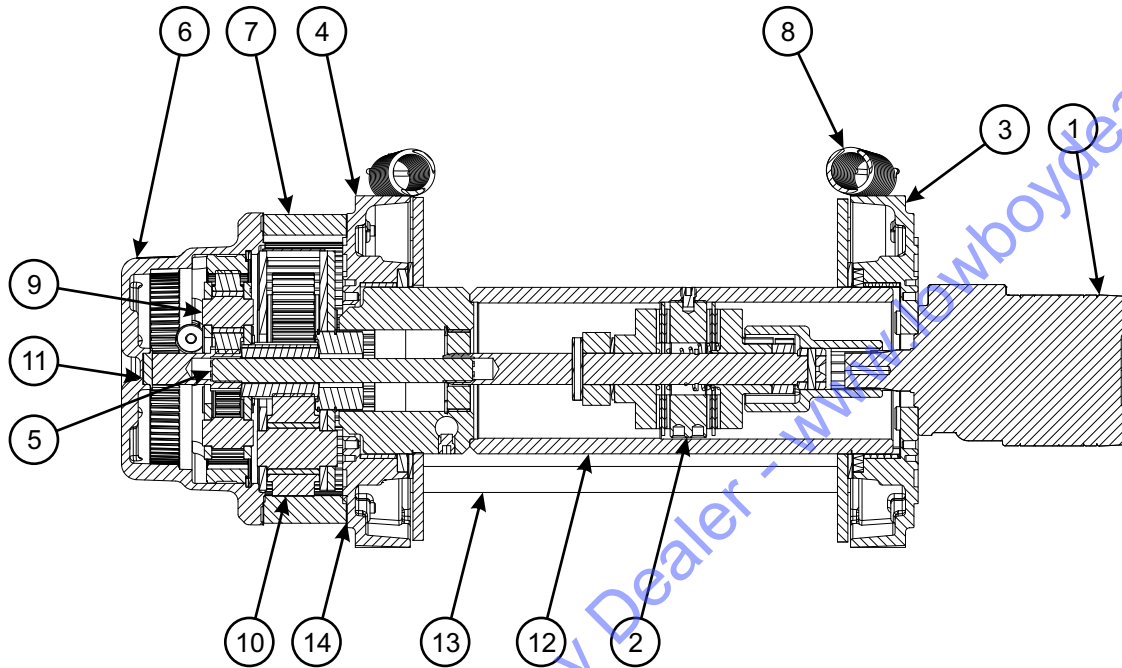
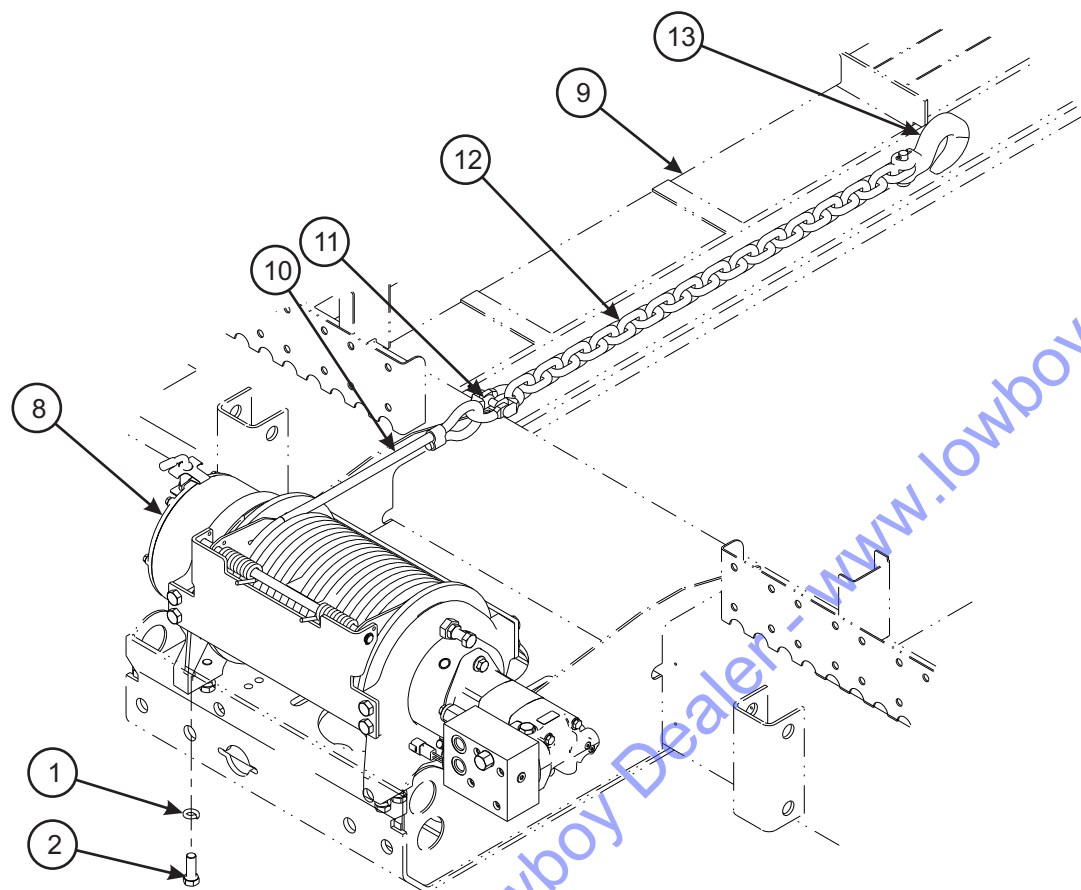


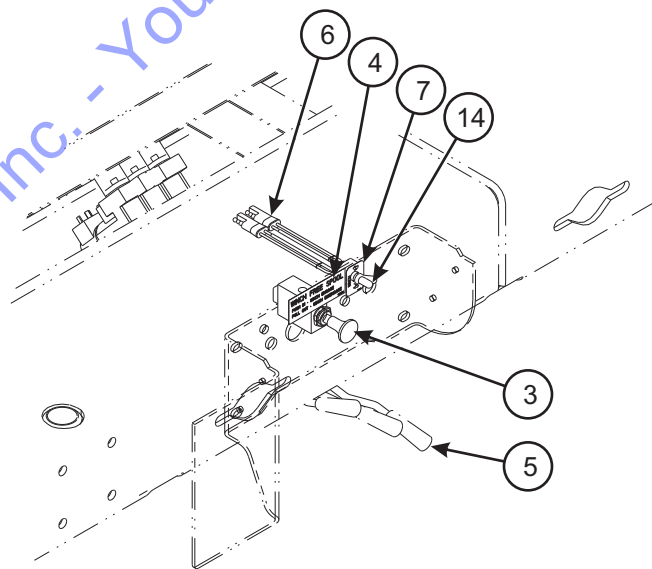
Figure 1-45: Winch items - 12M (WARN)

Winch Items - 12M (WARN)

ITEM	PART NO.	DESCRIPTION	QTY.
	166421	WINCH, 12M WARN W/LW & RMTC	
1	194305	MOTOR HYD 5.0CL	1
2	194306	BRAKE ASSEMBLY	1
3	194307	DRUM SUPPORT, MOTOR	1
4	194308	DRUM SUPPORT, GEAR END	1
5	194309	DRIVE SHAFT, HEX	1
6	194310	END HSG ASSY AIR	1
7	194117	GEAR RING	1
8	194118	SPRING EXTENSION, TENSIONER	2
9	194119	CARRIER, STAGE 2 M12000	1
10	194120	CARRIER, STAGE 3 4340	1
11	194121	GEAR, 15T	1
12	194122	DRUM ASSEMBLY	1
13	194123	TIE ROD	3
14	194124	GASKET, RING GEAR	2



WINCH ASSEMBLY



VALVE AND SWITCH LOCATION

Figure 1-46: Winch Installation - 20K 2 Speed (WARN) (1 of 2)

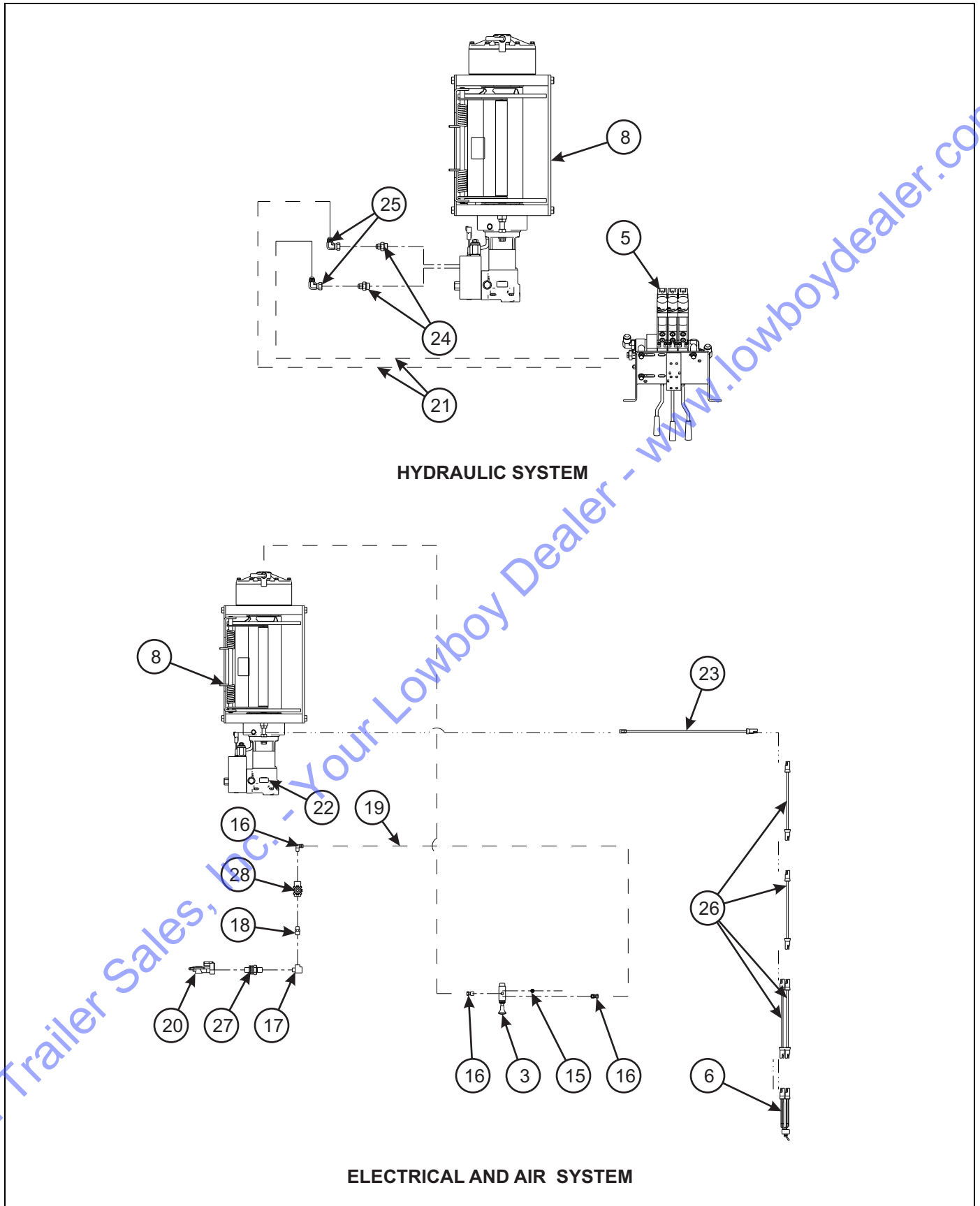


Figure 1-47: Winch Installation - 20K 2 Speed (WARN) (2 of 2)

Winch Installation - 20K 2 Speed (WARN)

ITEM	PART NO.	DESCRIPTION	QTY.
	178676	WINCH, 20K WARN, 2 SPD 343	
1	1-861-010034-15	WASHER, SPLIT LOCK 5/8	8
2	109740	SCREW, HEX HEAD CAP 5/8-11 X 1-3/4 GR8	8
3	134657	VALVE, 3 WAY/2 POSITION	REF
4	135184	DECAL, WINCH FREE SPOOL	REF
5	148242	VALVE ASSEMBLY, 3 SPOOL (SEE PAGE 1-12)	1
6	150117	TOGGLE SWITCH, SEALED SPST	REF
7	174043	DECAL, WINCH HI/LO	1
8	174551	WARN WINCH INSTALLATION, 20K (SEE PAGE 1-68)	1
9	-----	FRAME WELDMENT	REF
10	3-155-010018-6	CABLE, 5/8 X 85'	REF
11	3-174-010038	CHAIN LINK, CONNECTING 1/2	1
12	3-174-010039036	CHAIN, 1/2 X 36	1
13	7HCGHT500	HOOK, CLEVIS GRAB 1/2	1
14	81264	RUBBER BOOT FOR ELECT SWITCH	1
15	1-297-010007-05	FITTING, AIR	1
16	1-297-010008-07	FITTING, AIR 90	3
17	1-297-010018-03	FITTING, BRASS PIPE TEE	1
18	1-297-010019-05	FITTING BRASS PIPE HEX	1
19	1-833-010001	TUBING, NYLON 1/4 OD	AR
20	108801	GLAD HAND, RED AIR	REF
21	128472	HOSE ASSEMBLY 1/2 X 374	REF
22	135184	DECAL, WINCH FREE SPOOL	REF
23	164053	HARNESS, BRANCH WORK LIGHT 102"	1
24	202702-10-8S	ADAPTER	2
25	2071-8-8S	ADAPTER, 90	2
26	3-368-010252	HARNESS ASSEMBLY, BULKHEAD LIGHT EXTENSION	4
27	55B61	FRAME UNION	REF
28	905-54-107	BRAKE PROTECTION VALVE	1

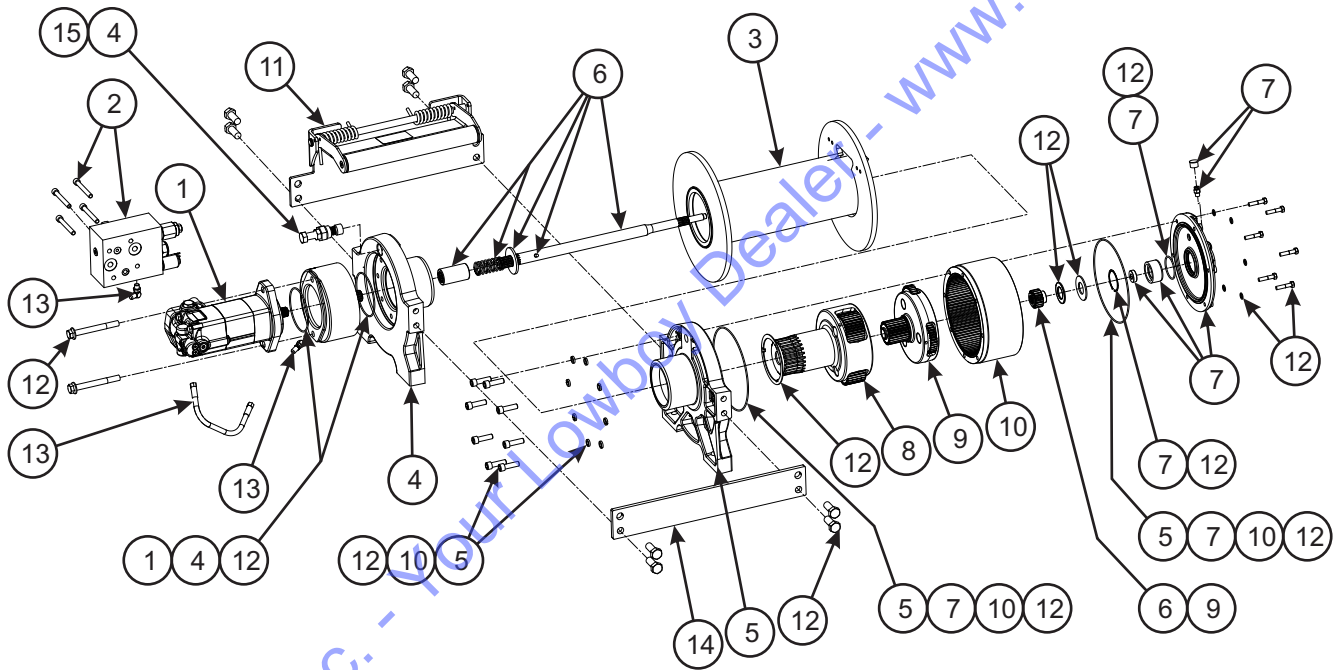


Figure 1-48: Winch Items - 20K 2 Speed (WARN)

Winch Items - 20K 2 Speed (WARN)

ITEM	PART NO.	DESCRIPTION	QTY.
	167521	WINCH, 20K WARN 2 SPEED	
1	178718	SERVICE KIT, MOTOR HYDRAULIC 11.9 CI-SPD	1
2	178715	SERVICE KIT, MANIFOLD HYDRAULIC	1
3	162208	SERVICE KIT, DRUM ASSEMBLY 20K LONG	1
4	178999	SERVICE KIT, DRUM RETARDER DRUM SUPPORT	1
5	162210	SERVICE KIT, DRUM SUPPORT GEAR END	1
6	162211	SERVICE KIT, DRIVESHAFT LONG	1
7	162941	SERVICE KIT, END HOUSING ASSEMBLY AIR	1
8	162213	SERVICE KIT, CARRIER STAGE 2-6.0-4.75	1
9	162214	SERVICE KIT, STAGE 1-6.0-4.75	1
10	162215	SERVICE KIT, RING GEAR	1
11	162216	SERVICE KIT, TENSIONER LONG	1
12	179000	SERVICE KIT, HARDWARE SEAL	1
13	162218	SERVICE KIT, HOSE HYDRAULIC	1
14	162219	SERVICE KIT, TIE PLATE LONG	1
15	179001	SERVICE KIT, DRUM RETARDER	1
16	162220	SERVICE KIT, WIRE ROPE ASSEMBLY 9/16 X 245'	1
17	162207	SERVICE KIT, BRAKE ASSEMBLY	1

Landing Gear

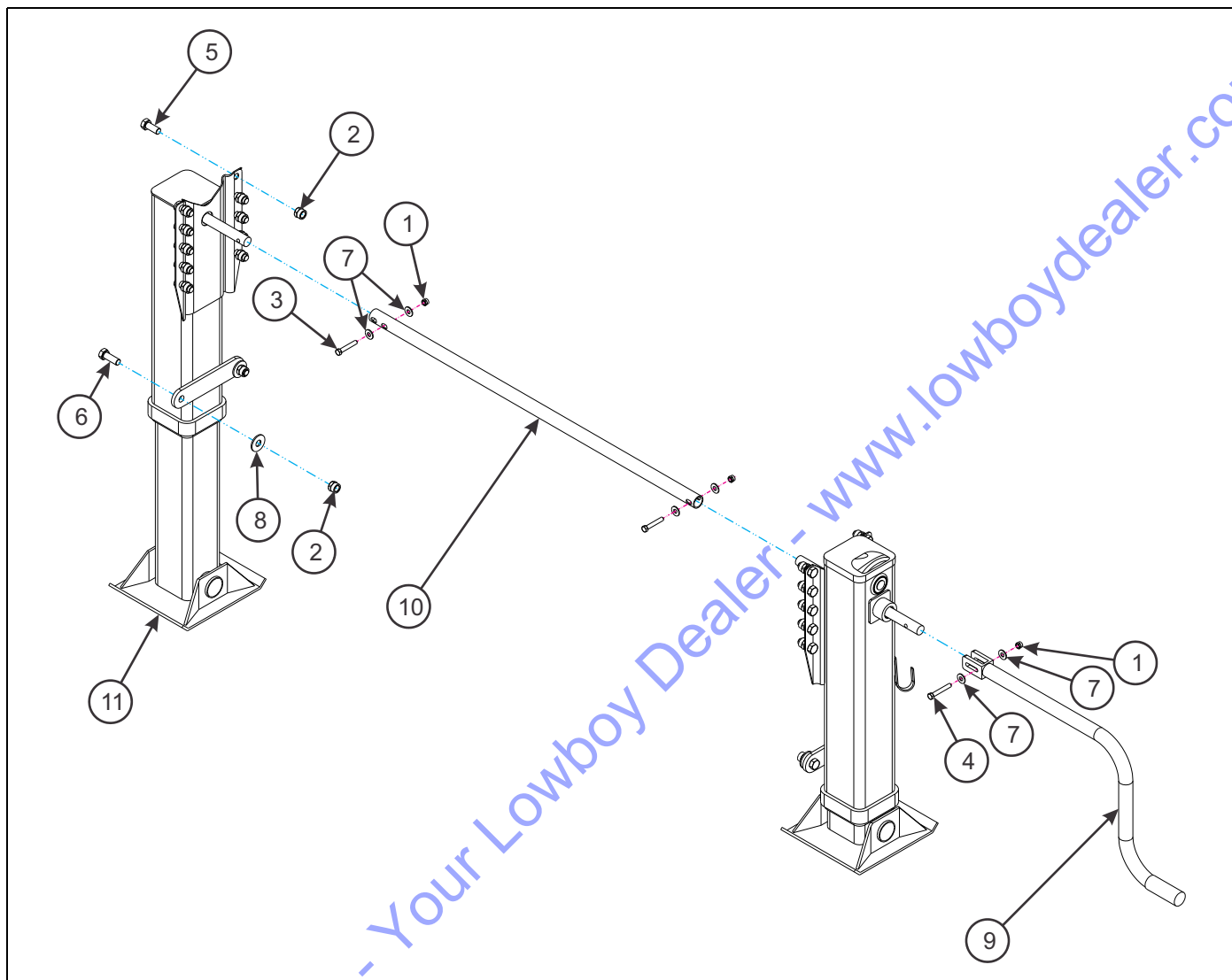
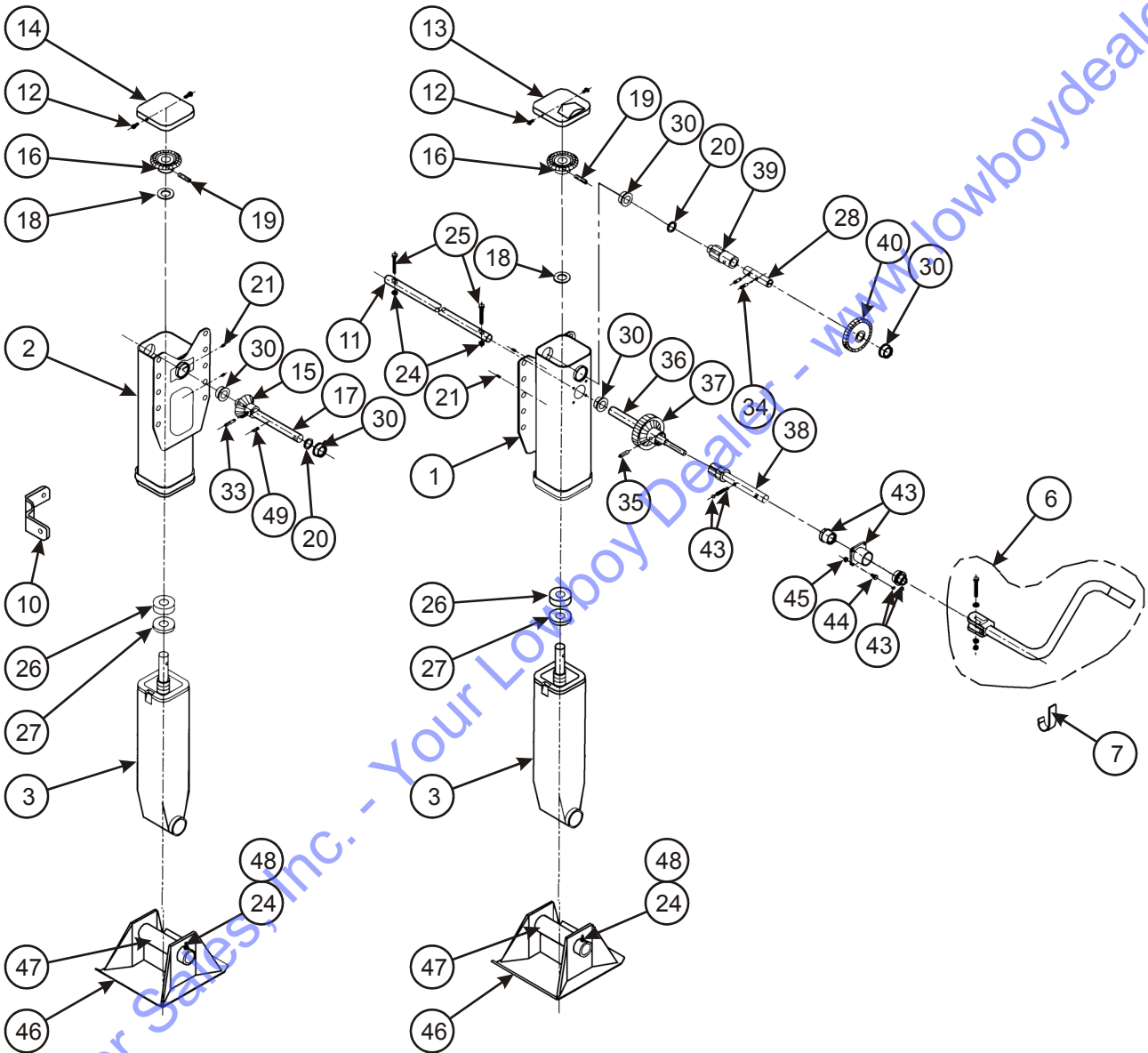


Figure 1-49: Landing Gear Installation - Jost 343

Landing Gear Installation - Jost 343

ITEM	PART NO.	DESCRIPTION	QTY.
	178658	LANDING GEAR INSTALLATION - JOST 343 ASSEMBLY	
1	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	3
2	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	24
3	1-654-010051-10	SCREW, HEX HEAD CAP 3/8-16 X 2-1/4 GR5	2
4	1-654-010051-11	SCREW, HEX HEAD CAP 3/8-16 X 2-1/2 GR5	1
5	1-654-010059-03	SCREW, HEX HEAD CAP 5/8-11 X 1-1/2 GR5	20
6	1-654-010059-04	SCREW, HEX HEAD CAP 5/8-11 X 1-3/4 GR5	4
7	1-861-010032-11	WASHER, FLAT 3/8W	6
8	1-861-010032-19	WASHER, FLAT 5/8W	4
9	109710	CRANK, LANDING GEAR (SEE PAGE 1-71)	1
10	113883	CROSS-SHAFT, LANDING GEAR	1
11	178657	LANDING GEAR WELDMENT	1



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Figure 1-50: Landing Gear Installation - Jost 2 Speed w/SS

Landing Gear Installation - Jost 2 Speed W/SS

ITEM	PART NO.	REFERENCE NO.	DESCRIPTION	QTY.
	136470		LANDING GEAR	
1	----	D10201.2	OUTER HOUSING - 2 SPEED	1
2	----	D10116.2	OUTER HOUSING - 1 SPEED	1
3	----	C10140.2	INNER LEG ASSEMBLY - STANDARD	2
6	109710	----	CRANK LANDING GEAR	REF
7	109711	B10261	CRANK HANGER	1
10	109712	C10108	BRACE LUG - W	2
11	----	B10066	INTERMEDIATE CROSS SHAFT	1
12	----	A10059.1	COVER SCREW	4
13	----	C10217	COVER - 2 SPEED	1
14	----	C10259	COVER - 1 SPEED	1
15	----	C10177	PINION GEAR	1
16	----	C10155	BEVEL GEAR	2
17	----	B10130	PINION SHAFT - 1 SPEED	1
18	----	A10102	THRUST WASHER	2
19	----	A10052.3	GROOVED PIN	2
20	----	A10218	SPACER WASHER	2
21	----	A10040	GREASE FITTING	4
23	----	C10209	STRUT BRACE (NOT SHOWN)	4
24	----	A10038.7	SELF LOCKING NUT	2
25	----	A10037.1	CROSS SHAFT BOLT - 3/8 X 2 GR5	2
26	----	A10033	THRUST BEARING	2
27	----	A10101	COLLAR	2
28	----	A10212	OUTPUT SHAFT	1
30	----	A10255	BUSHING	5
33	----	A10054.3	ROLL PIN 3/8 X 1-1/2	1
34	----	A10260.1	SPIRAL PIN	2
35	----	A10054.7	ROLL PIN - 3/8 X 1-3/4	1
36	----	B10236	OUTPUT CLUSTER SHAFT	1
37	----	C10234	OUTPUT CLUSTER GEAR	1
38	----	C10233	INPUT GEAR SHAFT	1
39	----	C10078	OUTPUT SPUR GEAR	1
40	----	C10085	INPUT SPUR GEAR	1
43	163502	B10229S	SHIFT HOUSING SERVICE KIT	1
44	----	A10230	SHIFT HOUSING BOLT	4
45	----	A10038.6	SELF LOCKING NUT	4
46	204228	C10135	SHOE - 10 X 10 X 2	2
47	114983	B10036	SHOE AXLE	2
48	----	A10037.3	HEX HEAD BOLT	2
49	----	A10054.6	ROLL PIN - 1/4 X 1-1/4	1
50	137974	A401LT19	RH LANDING LEG ASSEMBLY	1

Ladders

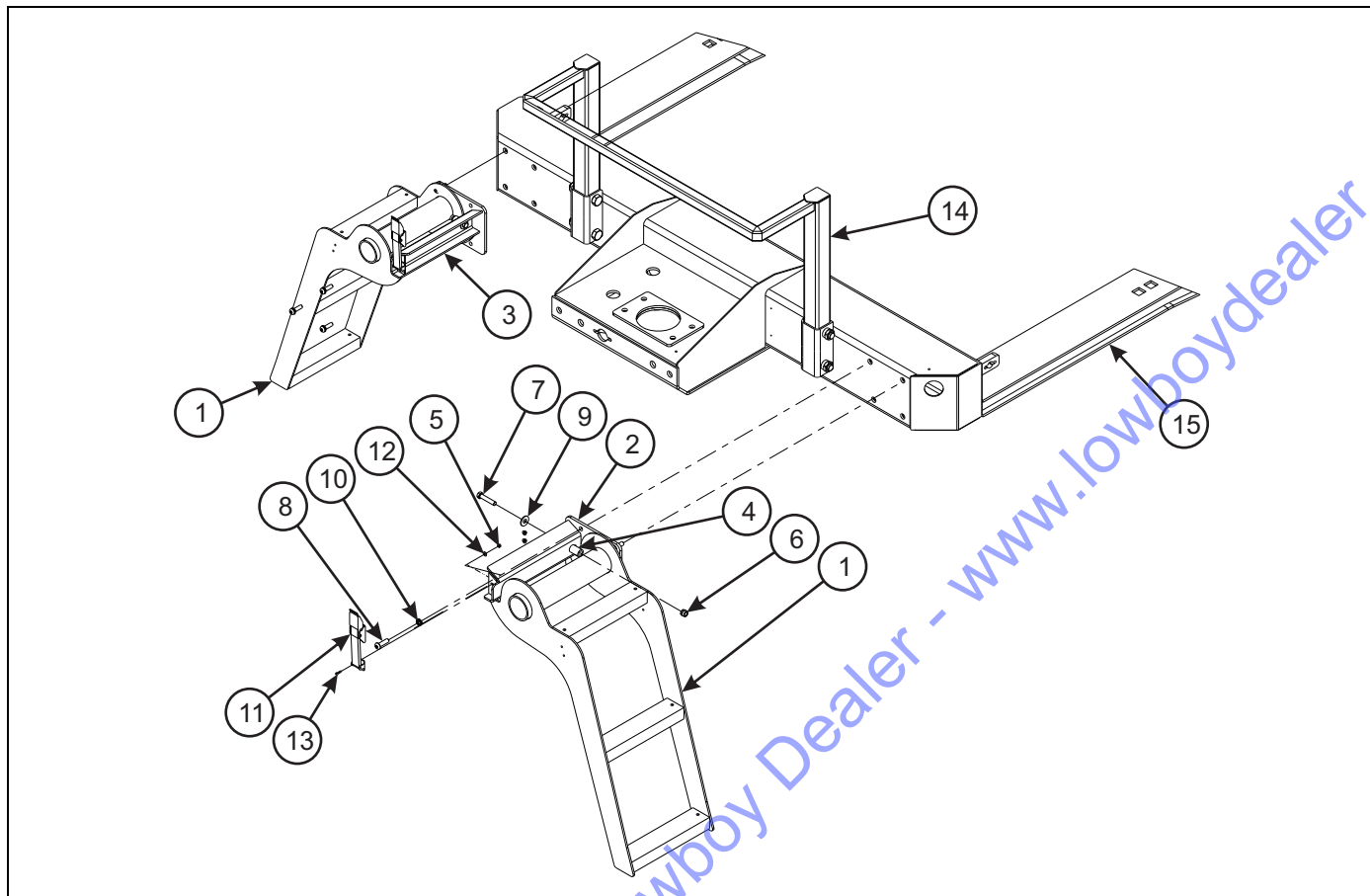


Figure 1-51: Ladder Assembly

Ladder Assembly

ITEM	PART NO.	DESCRIPTION	QTY.		
	128950	LADDER ASSEMBLY LH	*		
	128951	LADDER ASSEMBLY RH		*	
	182455	LADDER ASSEMBLY - PAINTED			*
1	128819	LADDER, ALUMINUM	1	1	1
	182454	LADDER WELDMENT SHORT - ORANGE	--	--	1
2	128942	SUPPORT WELDMENT, LADDER LH	1	--	1
3	128943	SUPPORT WELDMENT, LADDER RH	--	1	--
4	128952	TUBE, ROUND 1OD X 5/8ID X 1-1/2	1	1	1
5	1-512-010004-03	NUT, HEX LOCK #10-24 GRA	4	4	4
6	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	1	1	1
7	1-654-010055-07	SCREW, HEX HEAD CAP 1/2-13 X 2-1/2 GR5	1	1	1
8	1-654-010089-15	SCREW, SOCKET BUTTON 1/2-13 X 1-3/4	4	4	4
9	1-861-010032-15	WASHER, FLAT 1/2W	1	1	1
10	1-861-010034-13	WASHER, SPLIT LOCK 1/2	4	4	4
11	110-0116	SCREW, RD HEAD CAP #10-24 X 3/4	4	4	4
12	110-0253	WASHER, FLAT 3/16	4	4	4
13	3-443-010018	LATCH, FLEXIBLE DRAW, LEVER ASSIST	1	1	1
14	131629	GRAB BAR ASSEMBLY - FRONT (OPTION)	1	1	1
15	128199	FRAME WELDMENT	REF	REF	REF

Hitches

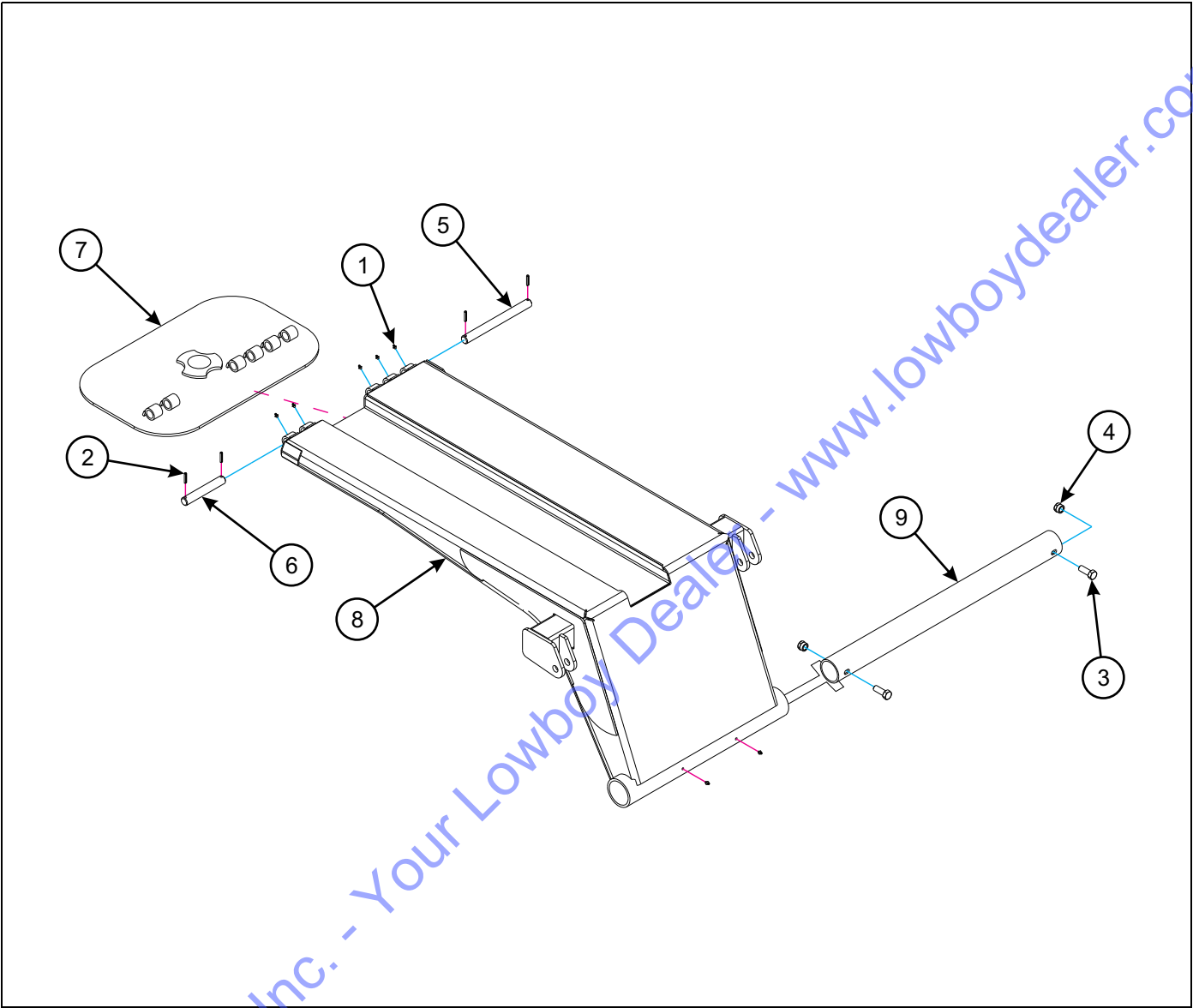


Figure 1-52: Hitch Installation

Hitch Installation

ITEM	PART NO.	DESCRIPTION	QTY.
	128391	HITCH INSTALLATION 18 PIN 340	
1	1-298-010001-1	FITTING, GREASE 1/4-28	7
2	1-647-010004255	ROLL PIN, SLOTTED 3/8 X 2	4
3	1-654-010061-05	SCREW, HEX HEAD CAP 3/4-10 X 2 GR5	2
4	1-512-010005-15	NUT, HEX LOCK 3/4-10 GRB	2
5	128210	HINGE PIN FIFTH WHEEL, LONG	1
6	128211	HINGE PIN FIFTH WHEEL, SHORT	1
7	128212	HITCH PLATE, 18" KING PIN	1
8	128323	PIVOT ARM WELDMENT	1
9	128390	PIVOT TUBE	1

Decals

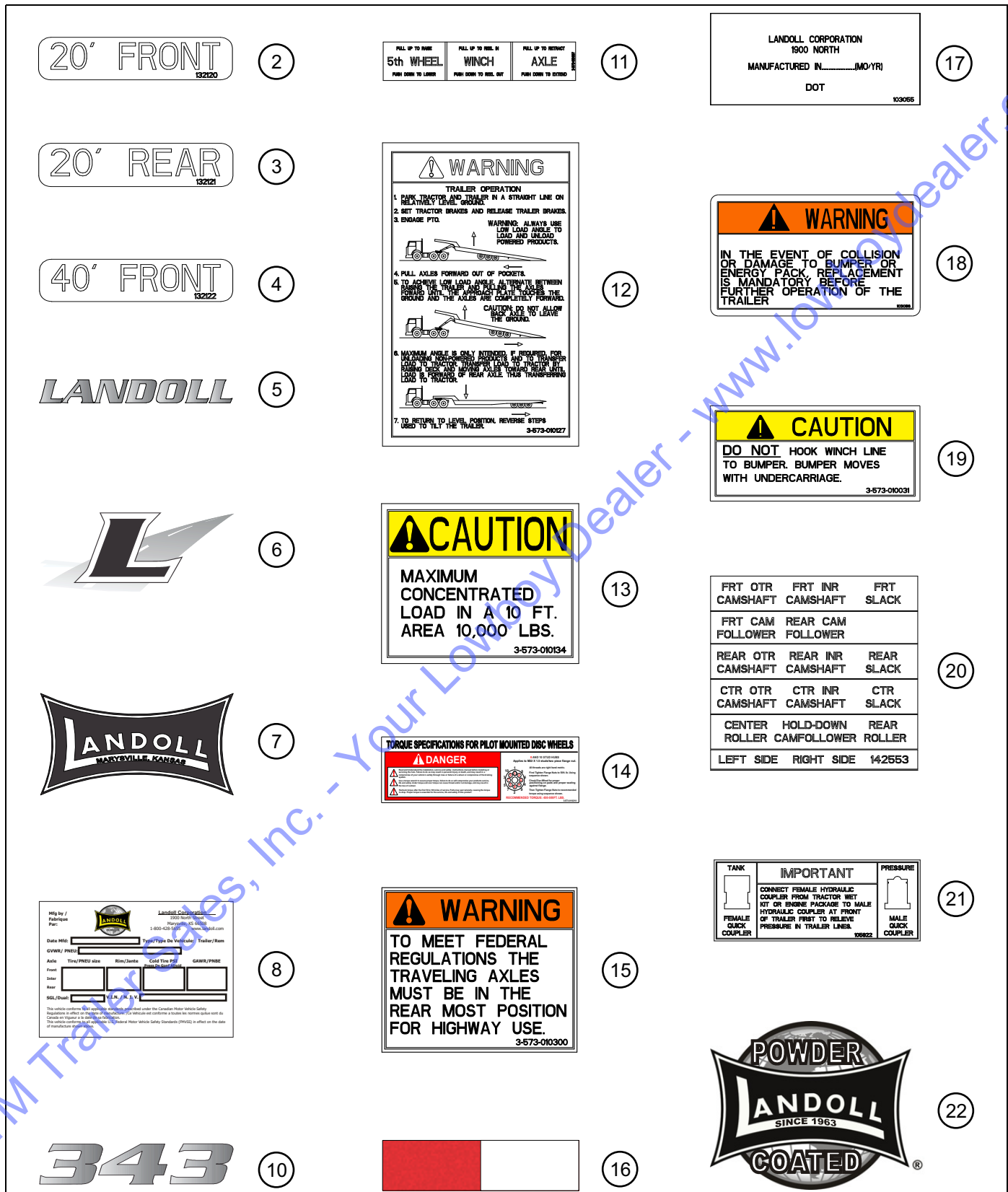


Figure 1-53: Decal Arrangement (1 of 2)

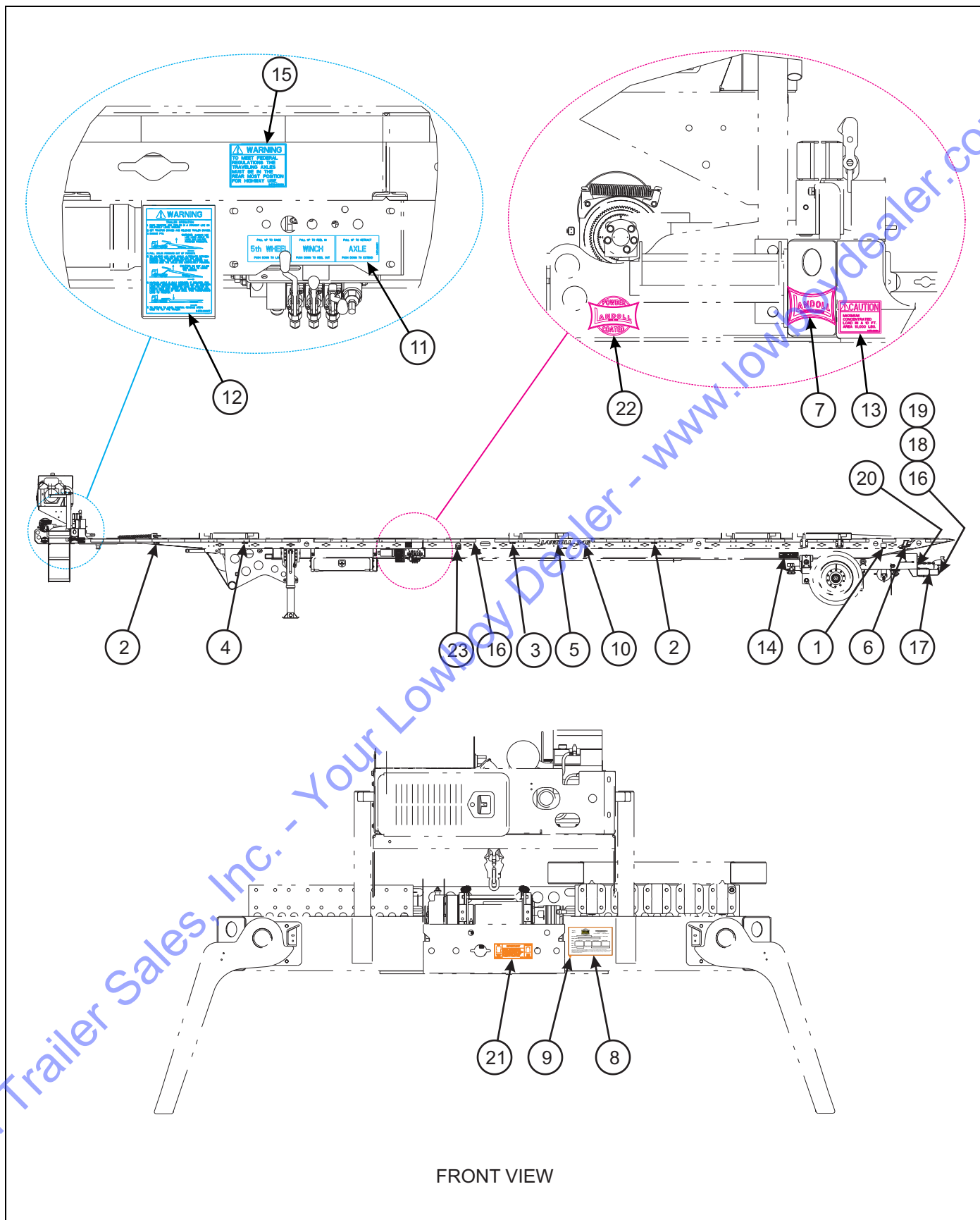


Figure 1-54: Decal Installation (2 of 2)

Decal Installation & Arrangement

ITEM	PART NO.	DESCRIPTION	QTY.
	178660**	DECAL INSTALLATION, 343 WHT/DK REFL	
	178661***	DECAL INSTALLATION, 343 BLK/LT REFL	
1	101855	WARNING LAMP LABEL, ABS (NOT SHOWN)	1
2	132120	DECAL, 20' FRONT	4
3	132121	DECAL, 20' REAR	2
4	132122	DECAL, 40' FRONT	2
5	153795	DECAL, LANDOLL REFLECTIVE	2
6	153797	DECAL, HWY L REFLECTIVE 5"	8
7	153799	DECAL, BOW TIE WHITE (USED WITH P/N 178660**)	2
	153800	DECAL, BOW TIE BLACK (USED WITH P/N 178661***)	2
8	155780	INFORMATION FOR TRL VIN	1
9	156010	RIVET BLIND .156 X 1/2 GRIP	4
10	178659	DECAL, 343 REFLECTIVE	2
11	3-573-010057	DECAL, INSTRUCTION CONTROLS	1
12	3-573-010127	DECAL, OPERATION 3 AXLE BL	1
13	3-573-010134	DECAL, CONCENTRATED LOAD 10,000#	2
14	3-573-010210	DECAL, TORQUE SPEC 8-10 STUD HUB	1
15	3-573-010300	DECAL, WARNING RIDE POSITION UNDERCARRIAGE	1
16	3-573-010377	DECAL, REFLEXITE TAPE RED/WHITE	1200
17	103055	DECAL, ENERGY BUMPER CERT	1
18	103056	DECAL, ENERGY BUMPER WARNING	REF
19	3-573-010031	DECAL, BUMPER	REF
20	142553	DECAL, GREASE TRAILER	REF
21	105822	DECAL, HYDRAULIC COUPLER	REF
22	153798	DECAL, POWDER COAT REFLECT	REF
23	187890	DECAL, CENTER OF GRAVITY	2

Misc Options

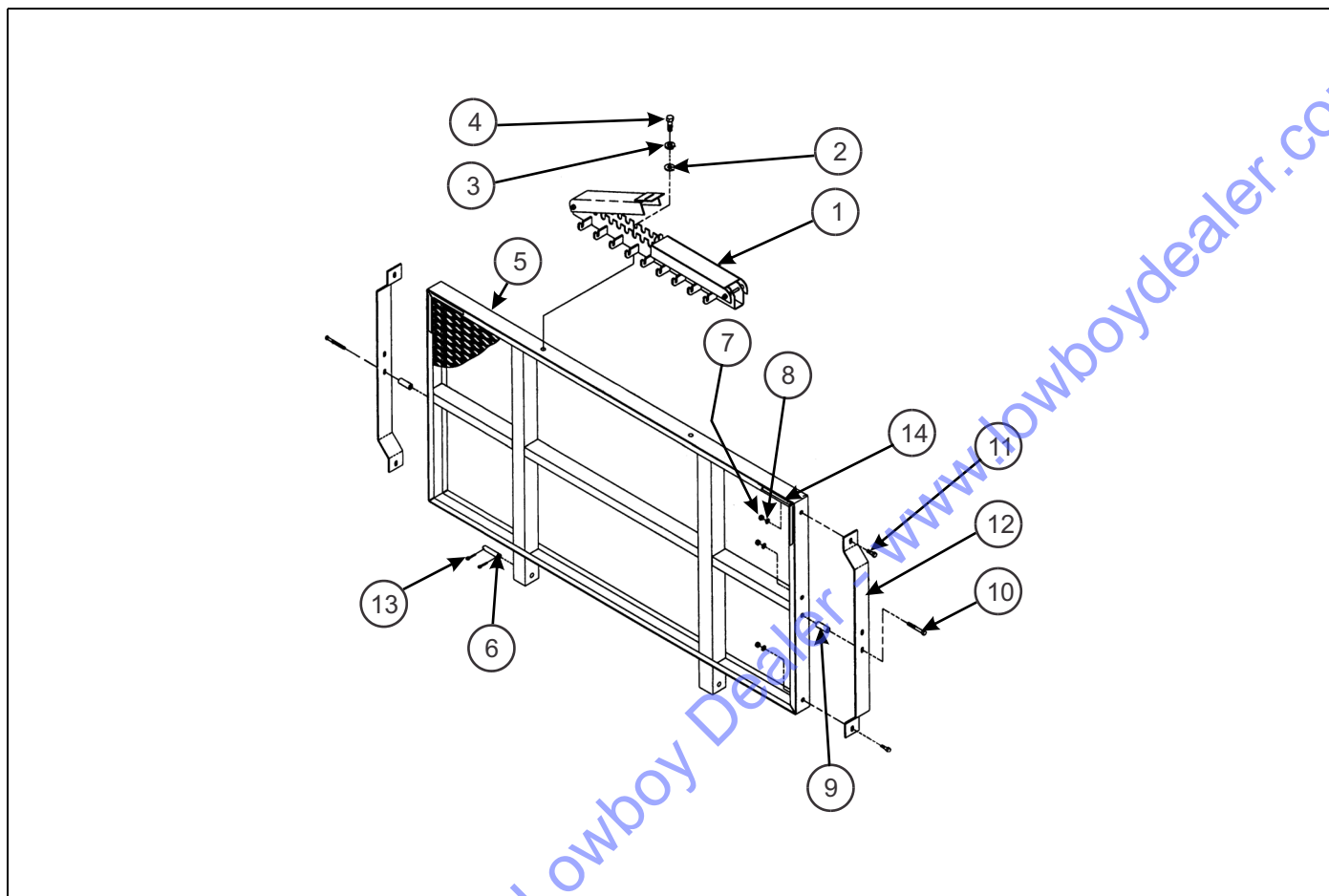


Figure 1-55: Bulkhead Assembly

Bulkhead Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	B7-141-003	BULKHEAD CHAIN BACK INSTALLATION (ITEMS 1-4)	
	3-141-010121	BULKHEAD INSTALLATION (ITEMS 5-13)	
1	3-141-010008	CHAIN HANGER LOCKING CHANNEL WELDMENT	1
2	1-861-010032-11	WASHER, FLAT 3/8	2
3	1-861-010034-11	WASHER, SPLIT LOCK 3/8	2
4	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	2
5	3-141-010155	BULKHEAD WELDMENT 48 X 96 (96)	1
	3-141-010152	BULKHEAD WELDMENT 16 X 102 (102)	1
6	6-557-010163	PIN HITCH LEVEL LINK	2
7	1-512-010005-09	NUT HEX LOCK 1/2-13 GRB (102)	6
8	1-861-010032-15	WASHER PLAIN TYPE A 1/2 (102)	6
9	3-711-010025	SPACER (102)	2
10	1-654-010055-13	SCREW HEX HEAD CAP 1/2-13X4 GR5 (102)	2
11	1-654-010055-03	SCREW HEX HEAD CAP 1/2-13X1-1/2 GR5 (102)	4
12	3-054-010101	BAR SIDE BULKHEAD EXTENSION (102)	2
13	1-557-010362-63	COTTER PIN 1/4X2	4
14	3-573-010378	DECAL, 2 X 12 REFLEXITE WHITE	4

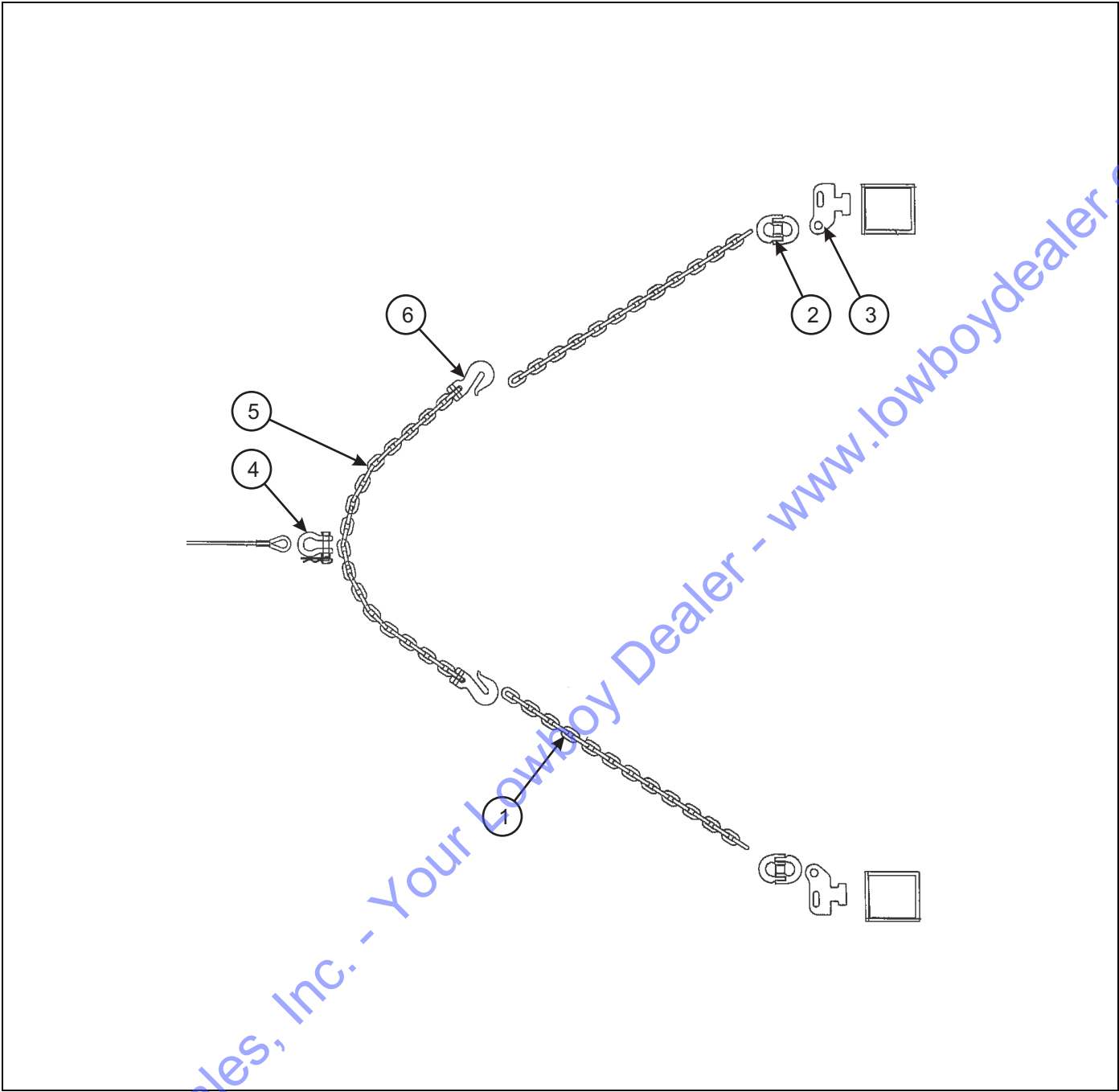
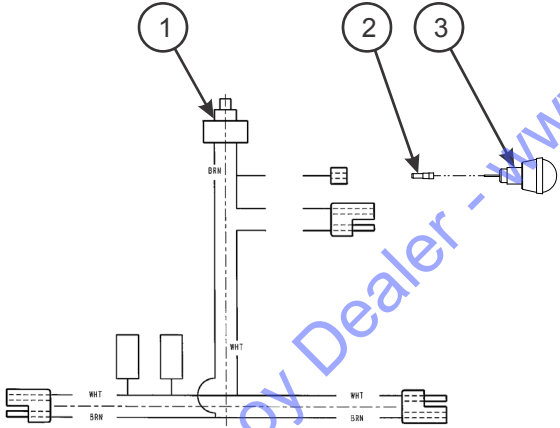


Figure 1-56: Container Chain and Bridle Assembly

Container Chain and Bridle Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	143267	CONTAINER CHAIN AND BRIDLE ASSEMBLY	
1	126888	CHAIN 1/2 X 36	2
2	126889	CHAIN CONNECTING LINK 1/2 GR8	2
3	128480	PLATE, CONTATIUNER CONNECT	2
4	137024	SHACKLE 1" SCREW PIN ANCHOR	1
5	143268	CHAIN, 1/2 X 53" GR8	1
6	7HCGHT500	HOOK, CLEVIS GRAB 1/2	2



m101383

Figure 1-57: Electrical Work Light Assembly

Electrical Work Light Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	101383	ELECTRICAL WORK LIGHT ASSEMBLY	
1	101381	HARNESS WORK AND COURTESY LIGHT	1
2	STP-147	TERMINAL BULLET ELECTRICAL	1
3	26331	LIGHT, COURTESY	1

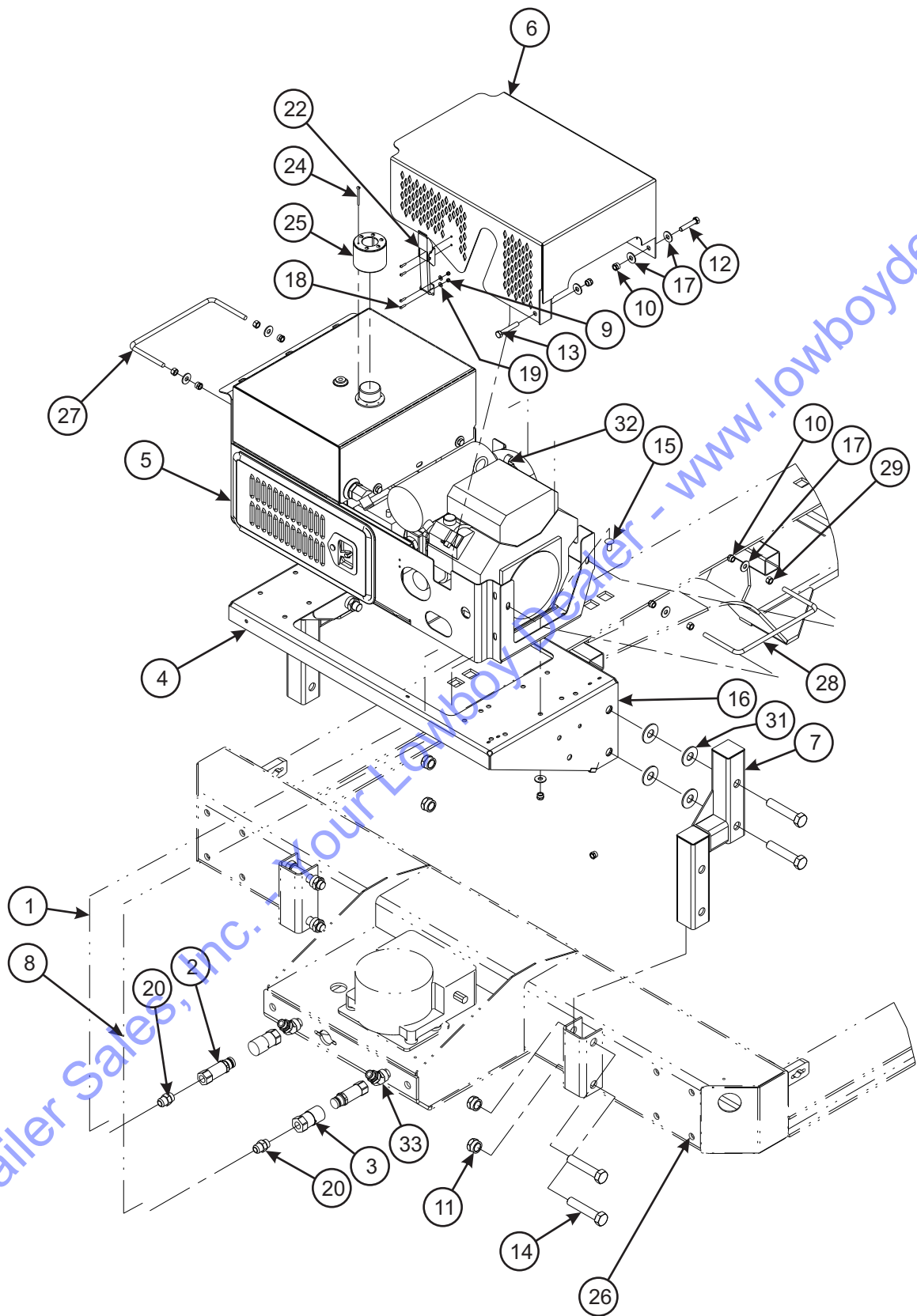


Figure 1-58: Engine - 27 HP Drive Installation

Engine - 27 HP Drive Installation

ITEM	PART NO.	DESCRIPTION	QTY.
	180939	25HP ENGINE DRIVE INSTALLATION	
1	1-397-010305060	HOSE ASSEMBLY, 3/4 X 60	1
2	105479	COUPLER, FLAT FACE MALE NOSE	1
3	105480	COUPLER, FLAT FACE FEMALE BODY	1
4	112184	MOUNT WELDMENT	1
5	115601	27HP GAS ENGINE PACKAGE (SEE PAGE 1-84)	1
6	121396	COVER WELDMENT	1
7	127686	MOUNT WELDMENT	2
8	105277	HOSE ASSEMBLY 3/4 X 78	1
9	1-512-010004-03	NUT, HEX LOCK 10-24 GRA	4
10	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	10
11	1-512-010005-19	NUT, HEX LOCK 1-8 GRB	8
12	1-654-010055-07	SCREW, HEX HEAD CAP 1/2-13 X 2-1/2 GR5	1
13	1-654-010055-09	SCREW, HEX HEAD CAP 1/2-13 X 3 GR5	1
14	1-654-010065-15	SCREW, HEX HEAD CAP 1-8 X 5 GR5	8
15	1-654-010070-02	SCREW, RD HEAD SQ NECK 1/2-13 X 1-1/4	3
16	1-822-010002	TRIM LOK 3/16 (NOT SHOWN)	6'
17	1-861-010032-15	WASHER, FLAT 1/2W	15
18	110-0116	SCREW, RD HEAD CAP #10-24 X 3/4	4
19	110-0253	WASHER, FLAT 3/16	4
20	202702-12-12S	ADAPTER STRAIGHT	2
21	128774	CABLE, THROTTLE 40' (NOT SHOWN)	2
22	3-443-010018	LATCH, FLEXIBLE DRAW, LEVER ASSIST	1
23	128781	HARNESS, ENG PACKAGE IGNITION (NOT SHOWN)	1
24	128806	SCREW, RD HEAD MACH #10-24 X 4	6
25	128809	FILLER EXTENSION OIL TANK	1
26	3-573-010506	DECAL, ENGINE CONTROL (NOT SHOWN)	1
27	129838	HANDLE, GRAB	1
28	129839	HANDLE, GRAB	1
29	1-512-010007-09	NUT, HEX 1/2-13 GRB	4
30	1-833-010003	TUBING, NYLON 1/2 (NOT SHOWN)	1.2'
31	1-861-010032-25	WASHER, FLAT 1W	8
32	3-181-010034-3	CLAMP, CONDUIT STEEL 1	1
33	138209	ADAPTER, HYD 45	2

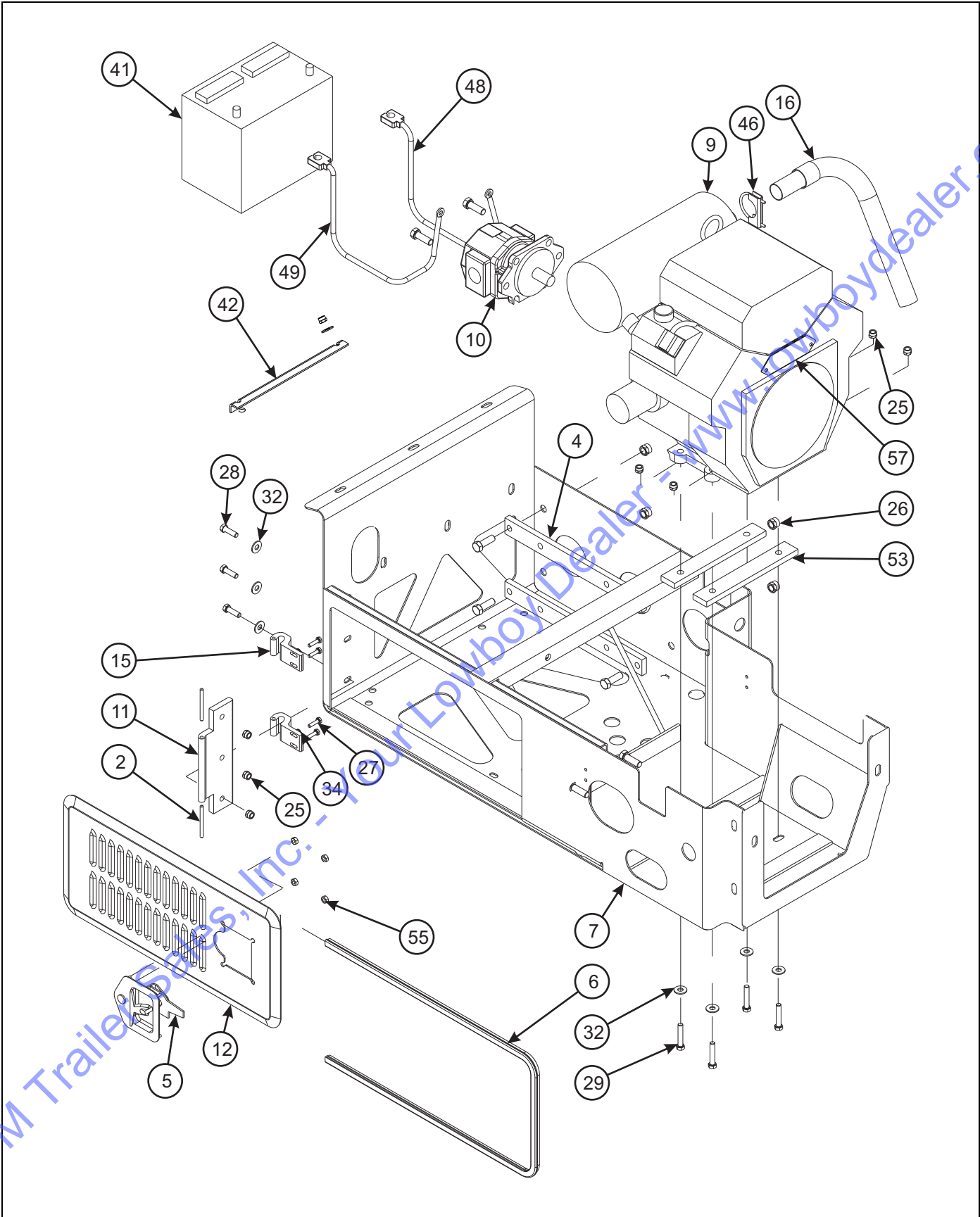


Figure 1-59: Engine - 27 HP Gas Package (1 of 2)

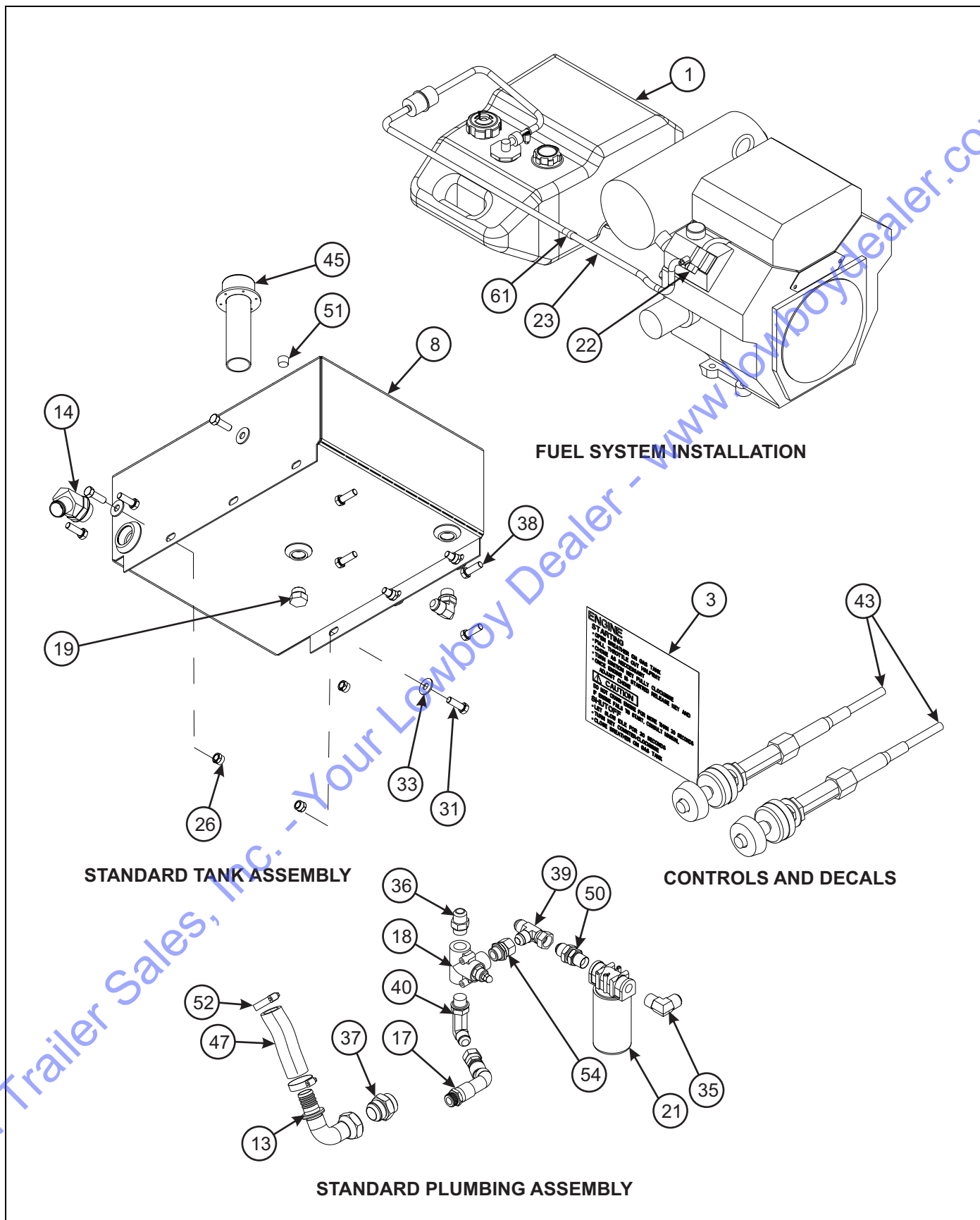


Figure 1-60: Engine - 27 HP Gas Package (2 of 2)

Engine - 27 HP Gas Package

ITEM	PART NO.	DESCRIPTION	QTY.
	115601	27 HP GAS ENGINE PACKAGE	
1	169531	TANK, FUEL PLASTIC 6 GAL LOW PERM	1
2	108601	PIN, DOOR HINGE	2
3	113388	DECAL, ENGINE PACKAGE INSTRUCTIONS	1
4	113856	MOUNT, ENGINE ISOLATOR, KOHLER CH25	2
5	114814	LATCH, FOLDING T LOCKABLE	1
6	114815	SEAL, SPONGE RUBBER TRIM	5
7	120654	MOUNT WELDMENT, ENGINE PACKAGE	1
8	120662	HYDRAULIC TANK WELDMENT	1
9	127813	ENGINE KOHLER 27 HP PUMP MOUNT	1
-----	3-765-010050	KOHLER IGNITION SWITCH (2509904) (NOT SHOWN)	1
10	115888	PUMP, HYDRAULIC	1
11	116326	HINGE, BASE MOUNT	1
12	116328	MOUNT, DOOR WELDMENT	1
13	116330	FITTING, 90	1
14	117873	FITTING, 45	1
15	119206	HINGE, DOOR	2
16	119445	EXHAUST EXT WELDMENT	1
17	119577	HOSE	1
18	120661	VALVE, HYDRAULIC PRESSURE RELIEF	1
19	900598-12S	PLUG, O-RING	1
20	105-0105	CLAMP, HOSE (NOT SHOWN)	6
21	1-295-010001	RETURN LINE FILTER	1
22	1-297-010034-01	FITTING, BR 90 BARB	1
23	1-316-010013	HOSE, 1/4 LOW PRESSURE FUEL LINE	5
25	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	11
26	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	9
27	1-654-010047-06	SCREW, HEX HEAD CAP 1/4-20 X 1 GR5	4
28	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	3
29	1-654-010051-09	SCREW, HEX HEAD CAP 3/8-16 X 2 GR5	4
31	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	11
32	1-861-010032-11	WASHER, FLAT 3/8W	11
33	1-861-010032-15	WASHER, FLAT 1/2W	5
34	1-861-010034-09	WASHER, SPLIT LOCK 1/4	4
35	2024-12-12S	ELBOW, 90	1
36	202702-12-12S	ADAPTER, STRAIGHT	1
37	202702-20-20S	ADAPTER	1
38	2062-12-12S	ADAPTER, 90	1
39	203102-12-12S	ADAPTER, TEE	1
40	206209-12-12S	ADAPTER, 90	1
41	2481X	BATTERY 12V	1
42	3-120-010124	BATTERY CLAMP BRACKET	1
43	3-155-010012	CABLE, THROTTLE	2
44	3-316-010008	FUEL HOSE 3/16 ID	5
45	3-162-010001	FILLER-BREATH-ER-STRAINER ASSEMBLY	1
46	3-182-010028	CLAMP, MUFFLER	1
47	3-399-010001006	HOSE, 1-1/4 SUCTION	1
48	514-9045-26	CABLE ASSEMBLY, BATTERY POSITIVE	1

Engine - 27 HP Gas Package

ITEM	PART NO.	DESCRIPTION	QTY.
49	514-9073-18	CABLE ASSEMBLY, BATTERY NEGATIVE	1
50	2240-12-12S	ADAPTER, BULKHEAD	1
51	1-560-010002-04	PLUG, PIPE 1/2	1
52	1-181-010046-7	CLAMP, HOSE	2
53	120659	ISOLATOR, KOHLER 25 HP MOUNT	2
54	120660	ADAPTER	1
55	115877	NUT, HEAVY HEX 1/4-20 GR5	4
57	123014	PLATE, MOTOR FRONT 25HP E/P	1
58	113544	HARNESS, ENGINE PACKAGE IGNITION (NOT SHOWN)	1
59	1-397-010304018	HOSE ASSEMBLY 3/4 X 18	1
60	110578	U-BOLT, FENDER MOUNT	1
61	166766	CARBON CANISTER, FUEL TANK	1
62	169532	HOSE, FUEL 1/4 LOW PERM CARB	5
63	170109	FITTING	1
64	170110	FITTING	1
65	170111	FITTING	1
66	170112	FITTING	1
67	128501	MUFFLER KIT REPLACEMENT	1

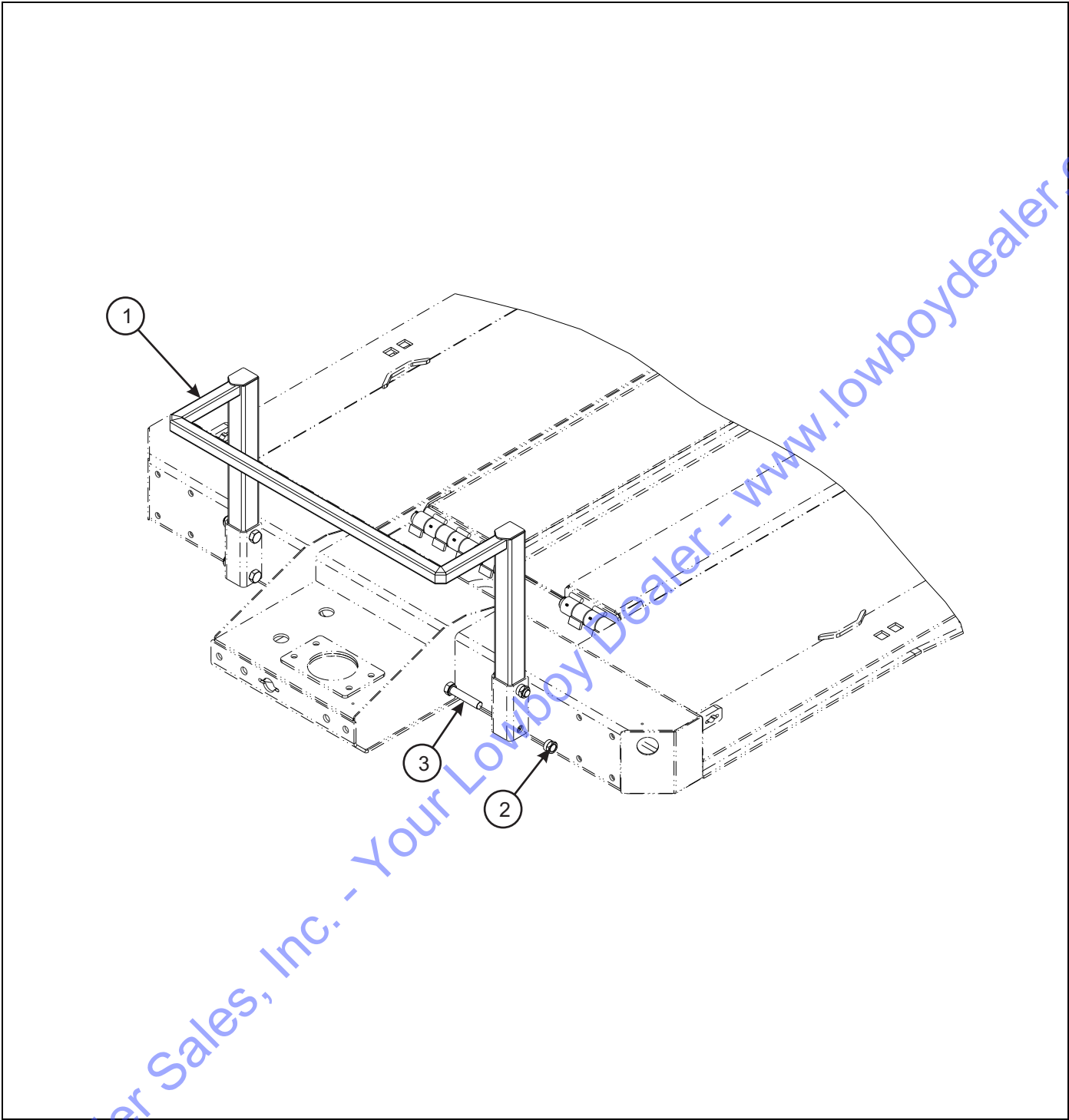


Figure 1-61: Front Grab Bar Assembly

Front Grab Bar Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	131629	FRONT GRAB BAR ASSEMBLY	
1	131628	GRAB BAR WELDMENT, FRONT	1
2	1-512-010005-19	NUT, HEX LOCK 1-8 GRB	8
3	1-654-010065-15	SCREW, HEX HEAD CAP 1-8 X 5 GR5	8

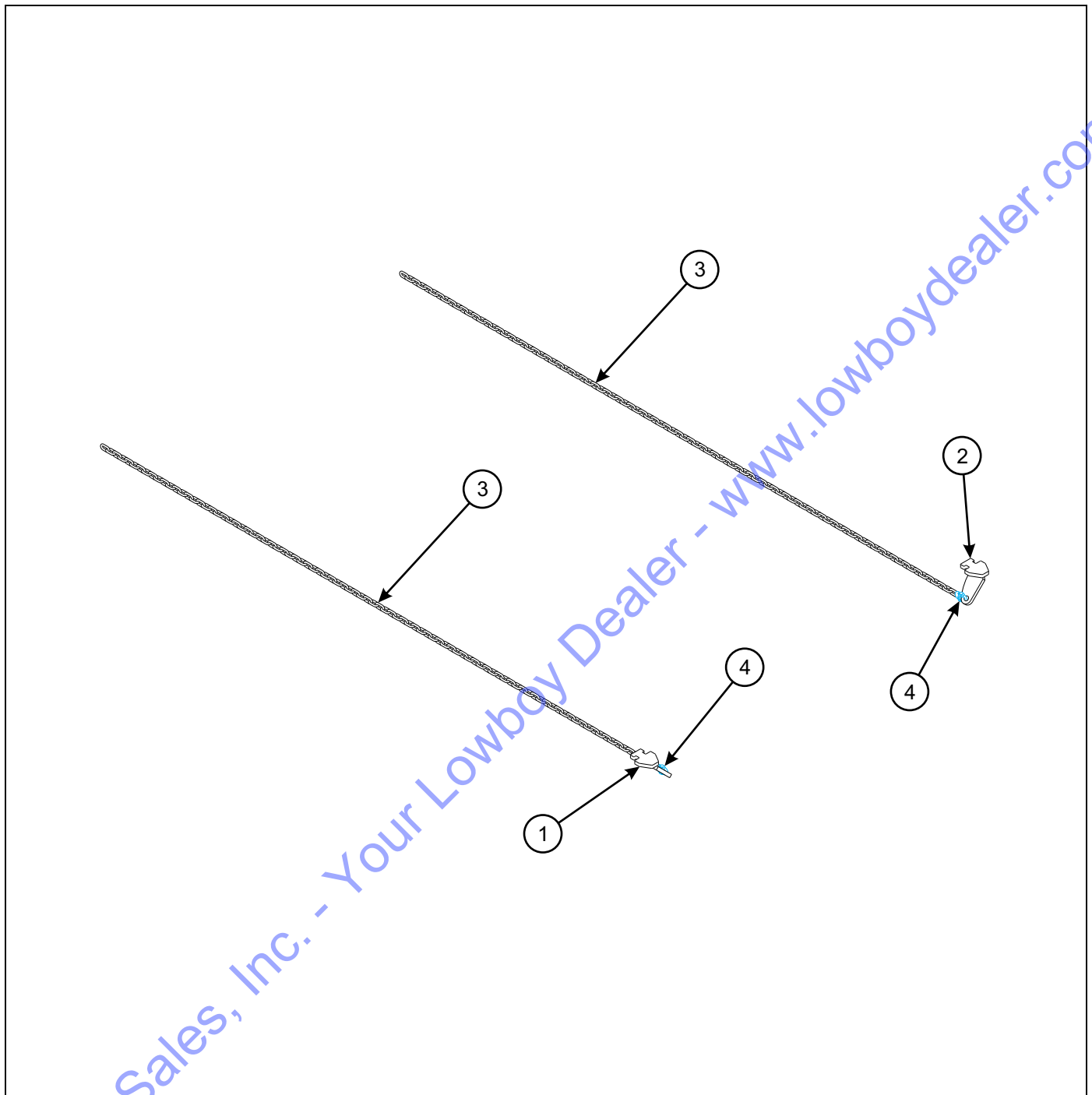


Figure 1-62: Hold Down Rear Container

Hold Down Rear Container

ITEM	PART NO.	DESCRIPTION	QTY.
	169364	HOLD DOWN REAR CONTAINER, 1.5	
1	128973	CONNECTOR, CONATINER REAR PULL, LH	1
2	128974	CONNECTOR, CONTAINER REAR PULL, RH	1
3	169383	CHAIN, 3/8 X 12.5 FT	2
4	3-174-010042	CHAIN LINK, CONNECTING 3/8	2

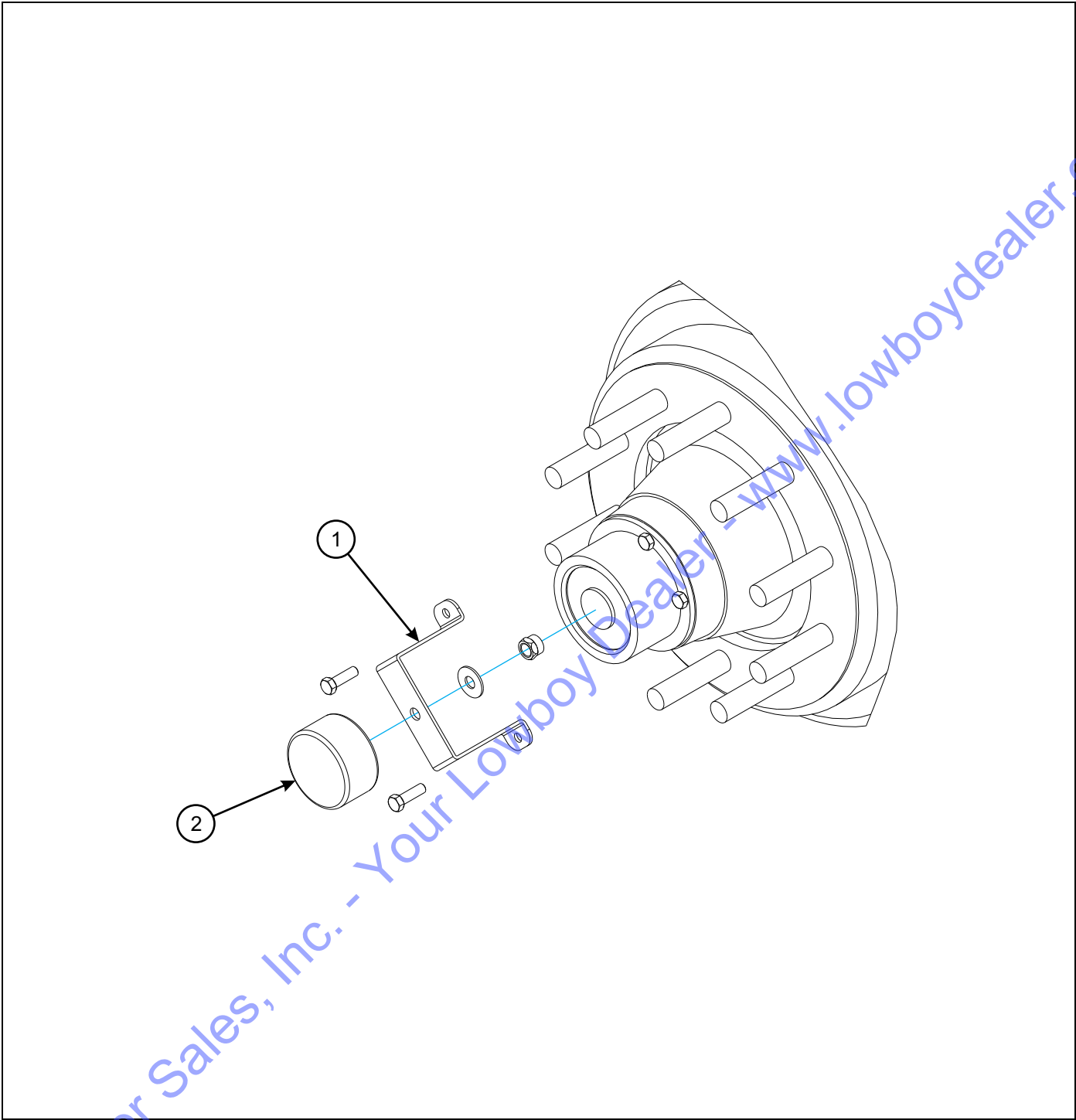


Figure 1-63: Hubodometer Installation- 255 Tires

Hubodometer Installation- 255 Tires

ITEM	PART NO.	DESCRIPTION	QTY.
	137108	HUBODOMETER INSTALLATION, 255 TIRES	
1	112529	BRACKET, HUBODOMETER, CON-MET	1
2	113109	HUBODOMETER, 567 RPM	1

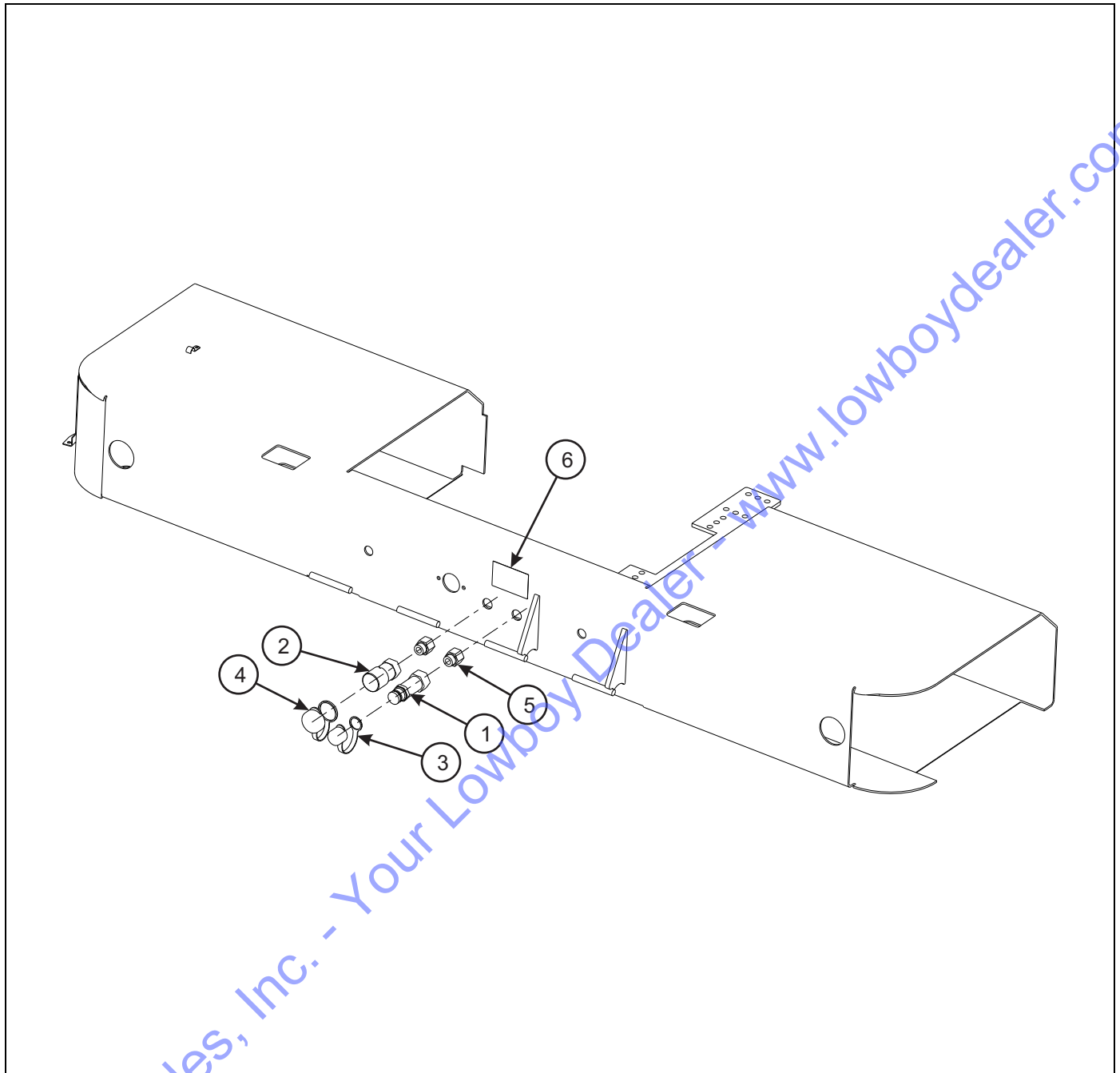


Figure 1-64: Hydraulic Conversion Kit - Ball to Flat

Hydraulic Conversion Kit - Ball to Flat

ITEM	PART NO.	DESCRIPTION	QTY.
	105902	HYDRAULIC CONVERSION KIT, BALL TO FLAT	
1	105479	COUPLER, FLAT FACE MALE NOSE	1
2	105480	COUPLER, FLAT FACE FEMALE BODY	1
3	105481	COUPLER, DUST CAP MALE	1
4	105482	COUPLER, DUST CAP FEMALE	1
5	2216-12-12S	INTERNAL PIPE O-RING BOSS	2
6	105822	DECAL, HYD COUPLER	1

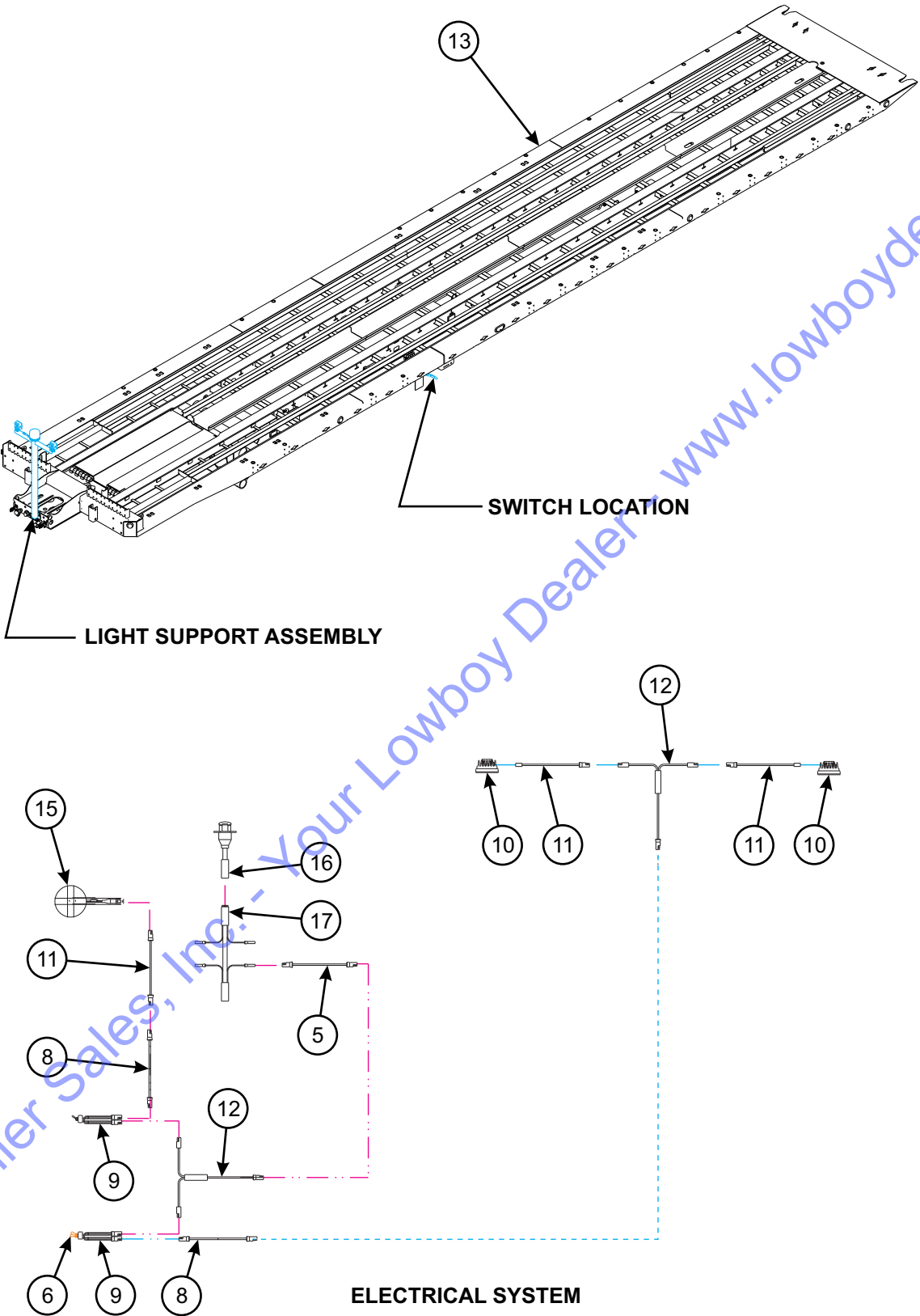
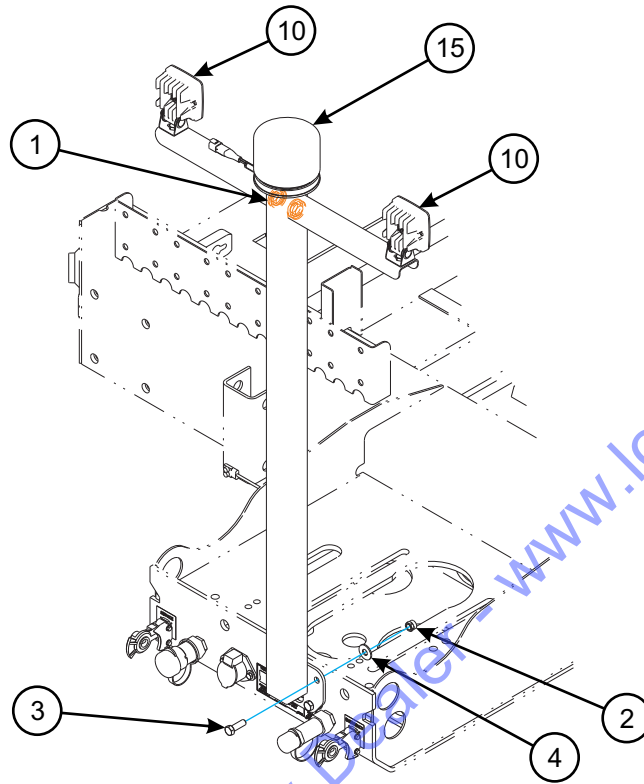
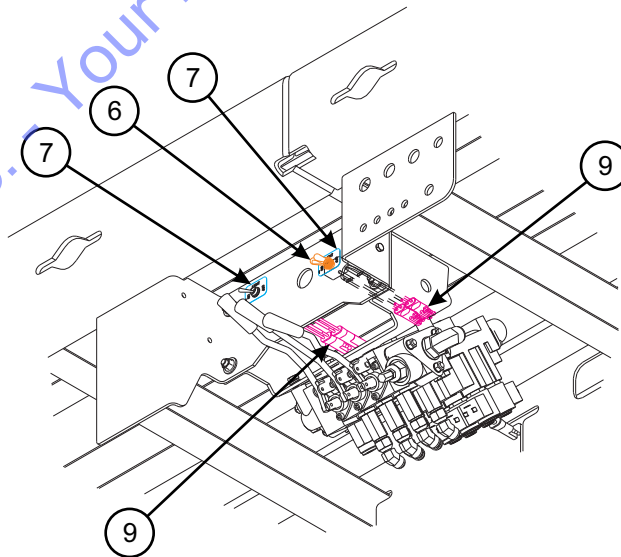


Figure 1-65: Light Strobe & Work Installation (1 of 2)



LIGHT SUPPORT ASSEMBLY



SWITCH LOCATION

Figure 1-66: Light Strobe & Work Installation (2 of 2)

Light Strobe & Work Installation

ITEM	PART NO.	DESCRIPTION	QTY.		
	181996	LIGHT STROBE & WORK	*		
	183607	STROBE LIGHT		*	
	183608	WORK LIGHT			*
1	1-343-010006	GROMMET, 7/8 ID X 1/4 GW X 1-1/4 GD	2	--	2
2	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 UNC, GRB	4	4	4
3	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	4	4	4
4	1-861-010032-15	WASHER, FLAT 1/2W	4	4	4
5	3-368-010252	HARNESS ASSEMBLY, BULKHEAD LIGHT EXTENSION	2	1	1
6	81264	RUBBER BOOT FOR ELECT SWITCH	1	--	1
7	130116	DECAL, ON/OFF LIGHGT	2	1	1
8	150111	HARNESS, 300"	2	--	1
9	150117	TOGGLE SWITCH, SEALED SPST	2	1	1
10	163996	LIGHT, LED WHITE, FLOOD LAMP	2	--	2
11	164052	HARNESS 60" BRANCH WORK LIGHT	3	1	2
12	169853	HARNESS, JUMPER T-POWER	2	1	2
13	178663	HYDRAULIC ELECTRIC AIR (ITEMS 16 & 17)	REF	REF	REF
14	182000	BRACKET WELDMENT, LIGHT SUPPORT	1	1	1
15	184501	STORBE LIGHT, DEUTSCH CONN	1	1	--
16	143100	HARNESS, 7 WAY RECEPTACLE	1	1	1
17	143101	HARNESS, FRONT MAIN	1	1	1

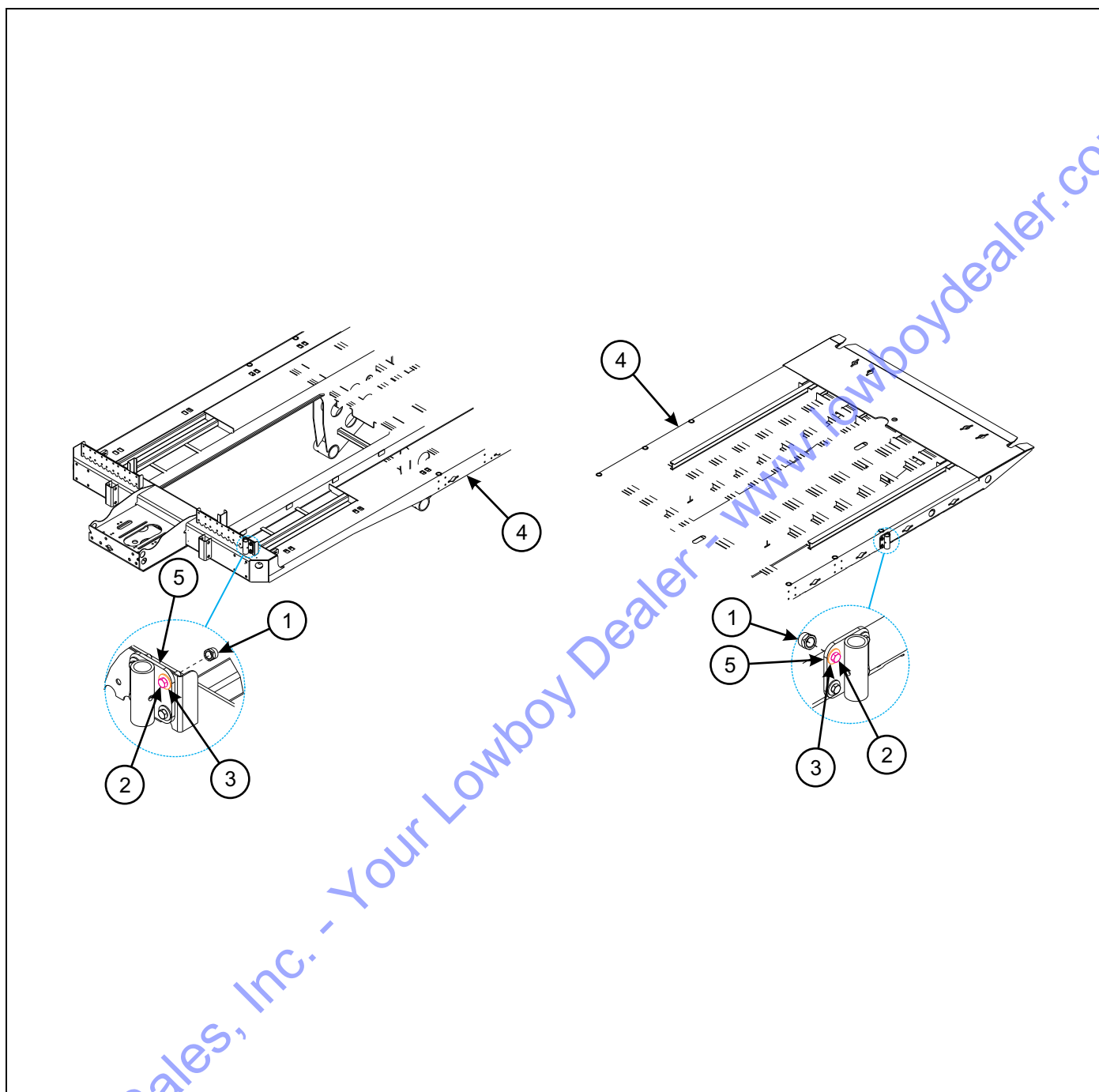


Figure 1-67: Side Guide - Anchor Pair

Side Guide - Anchor Pair

ITEM	PART NO.	DESCRIPTION	QTY.
	178683	SIDE GUIDE ANCHOR	
1	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 UNC, GRB	8
2	1-654-010055-04	SCREW, HEX, 1/2-13 UNC X 1-3/4, GR5	8
3	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	16
4	----	FRAME WELDMENT	REF
5	178670	GUIDE WELDMENT WELDMENT	2

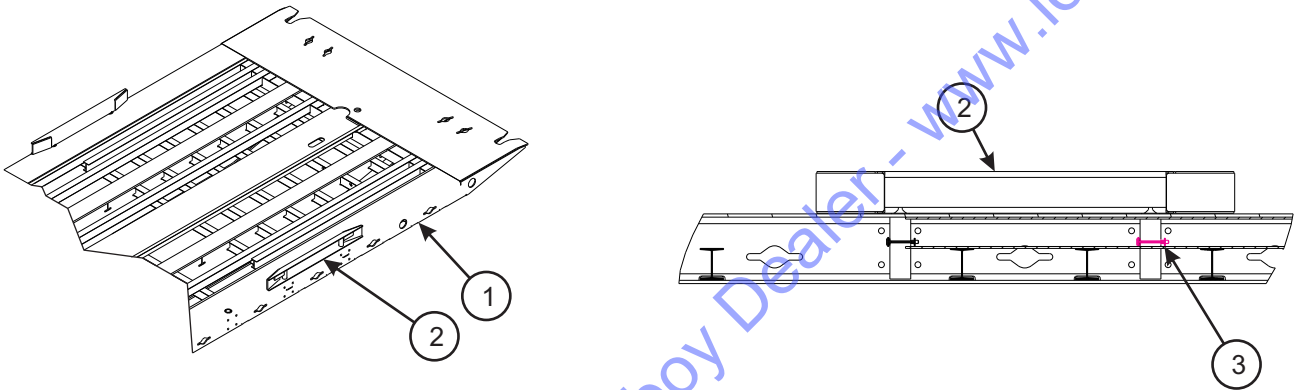


Figure 1-68: Side Guide - Container Pair

Side Guide - Container Pair

ITEM	PART NO.	DESCRIPTION	QTY.
	178682	SIDE CONTAINER GUIDE PAIR (ITEMS 5 & 6)	
1	-----	FRAME WELDMENT	REF
2	178677	CONTAINER STOP REINFORCEMENT	2
3	RSR699X2_875	BAR, SQUARE, 1/2 X 2-7/8	2

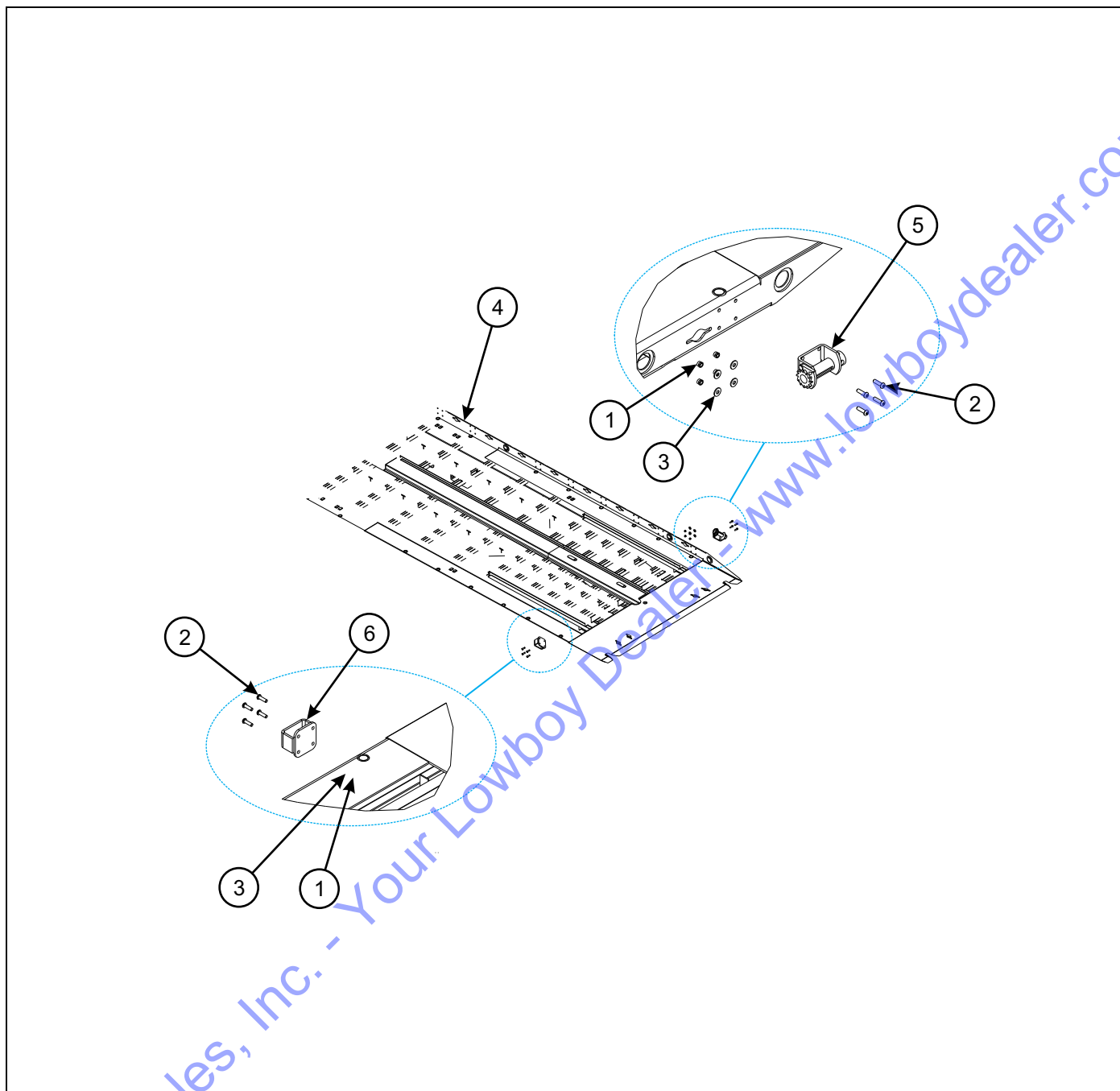


Figure 1-69: Strap Ratchet & Hook Assembly

Strap Ratchet & Hook Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	183637	STRAP RATCHET & HOOK ASSEMBLY	
1	1-512-010005-09	NUT, HEX, SLFLKG, 1/2-13 UNC, GRB	8
2	1-654-010089-15	SCREW, SKT BTN, 1/2-13 UNC X 1-3/4	8
3	1-861-010032-15	WASHER, FLAT, ZP/CD, 1/2W	8
4	178685	FRAME WELDMENT	REF
5	183638	STRACH RATCHET, BOLT-ON	1
6	183639	STRAP HOOK, POCKET BOLT-ON	1

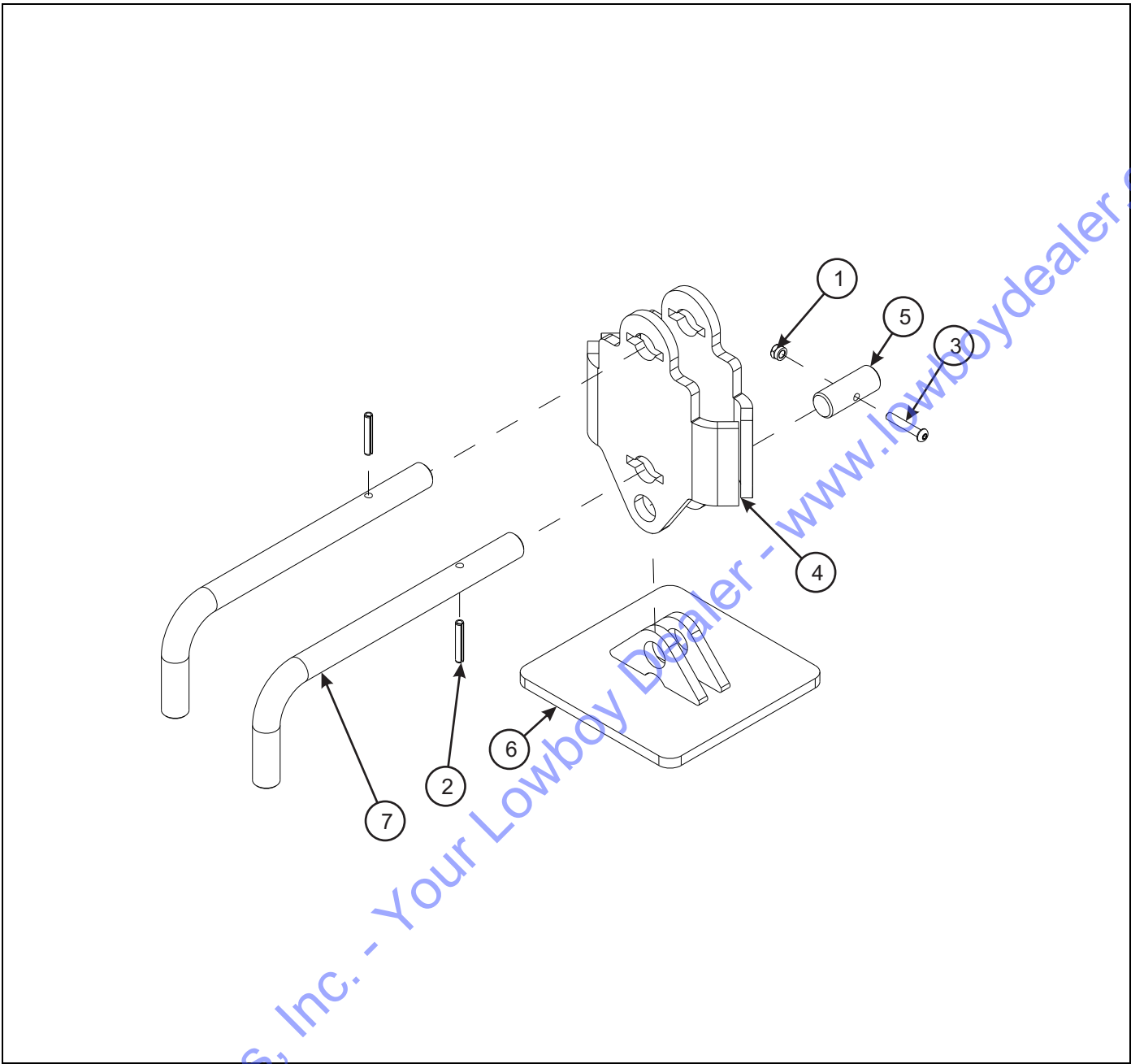


Figure 1-70: Tiedown Assembly - Shoe Lock

Tiedown Assembly - Shoe Lock

ITEM	PART NO.	DESCRIPTION	QTY.
	128469	SHOE LOCK TIEDOWN ASSEMBLY	
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

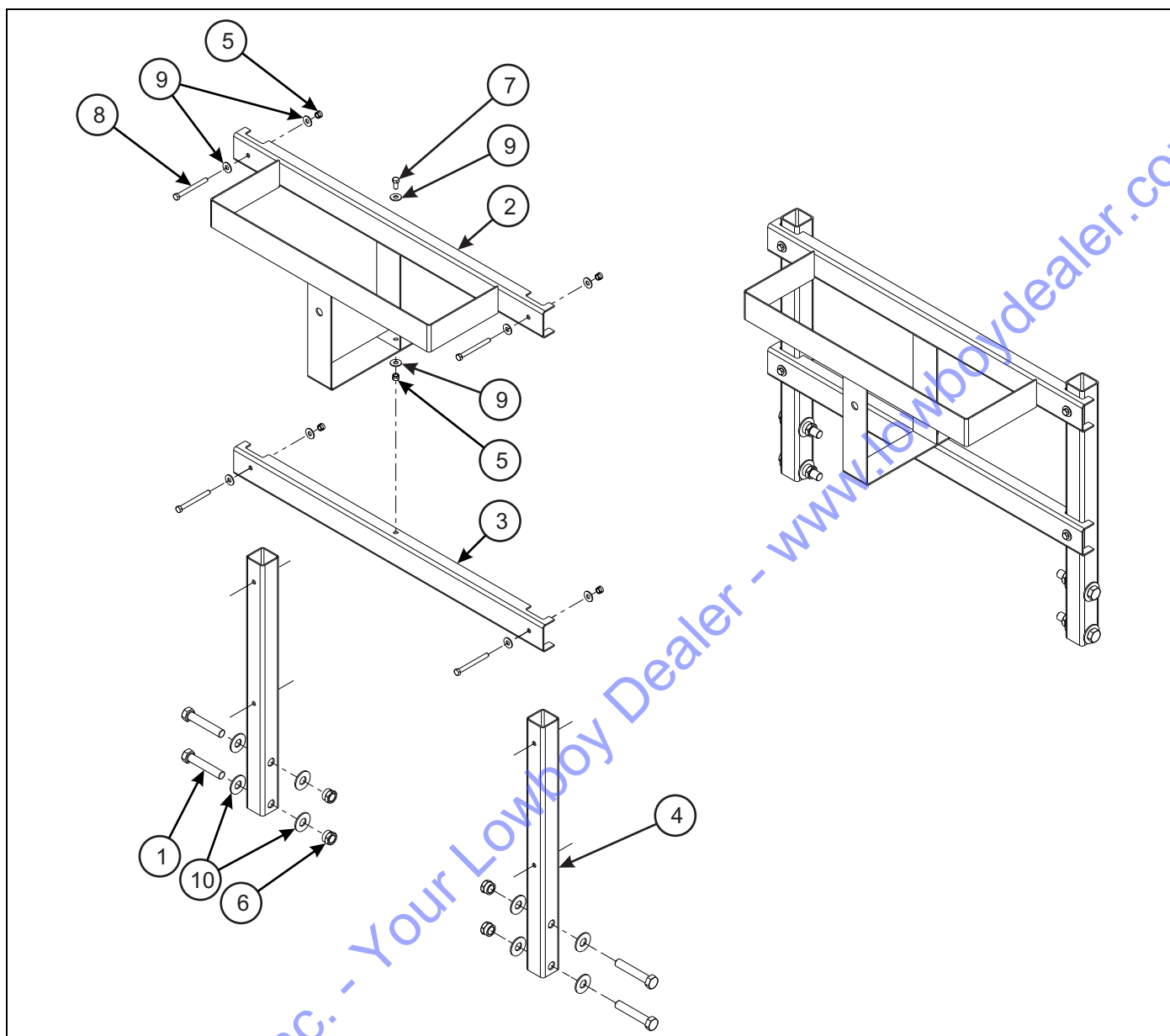


Figure 1-71: Tire Carrier Assembly

Tire Carrier Assembly

ITEM	PART NO.	DESCRIPTION	QTY.
	133592	TIRE CARRIER ASSEMBLY (USED ON 255 TIRES ONLY)	
1	102271	SCREW, HEX HEAD CAP 1-8 X 5-1/2 GR5	4
2	112987	RACK WELDMENT, BULKHEAD MOUNT	1
3	133645	CHANNEL, SPARE BOTTOM MOUNTING	1
4	133647	TUBE, SPARE TIRE SUPPORT	2
5	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	5
6	1-512-010005-19	NUT, HEX LOCK 1-8 GRB	4
7	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5	1
8	1-654-010055-15	SCREW, HEX HEAD CAP 1/2-13 X 5 GR5	4
9	1-861-010032-15	WASHER, FLAT 1/2W	10
10	1-861-010032-25	WASHER, FLAT 1W	8

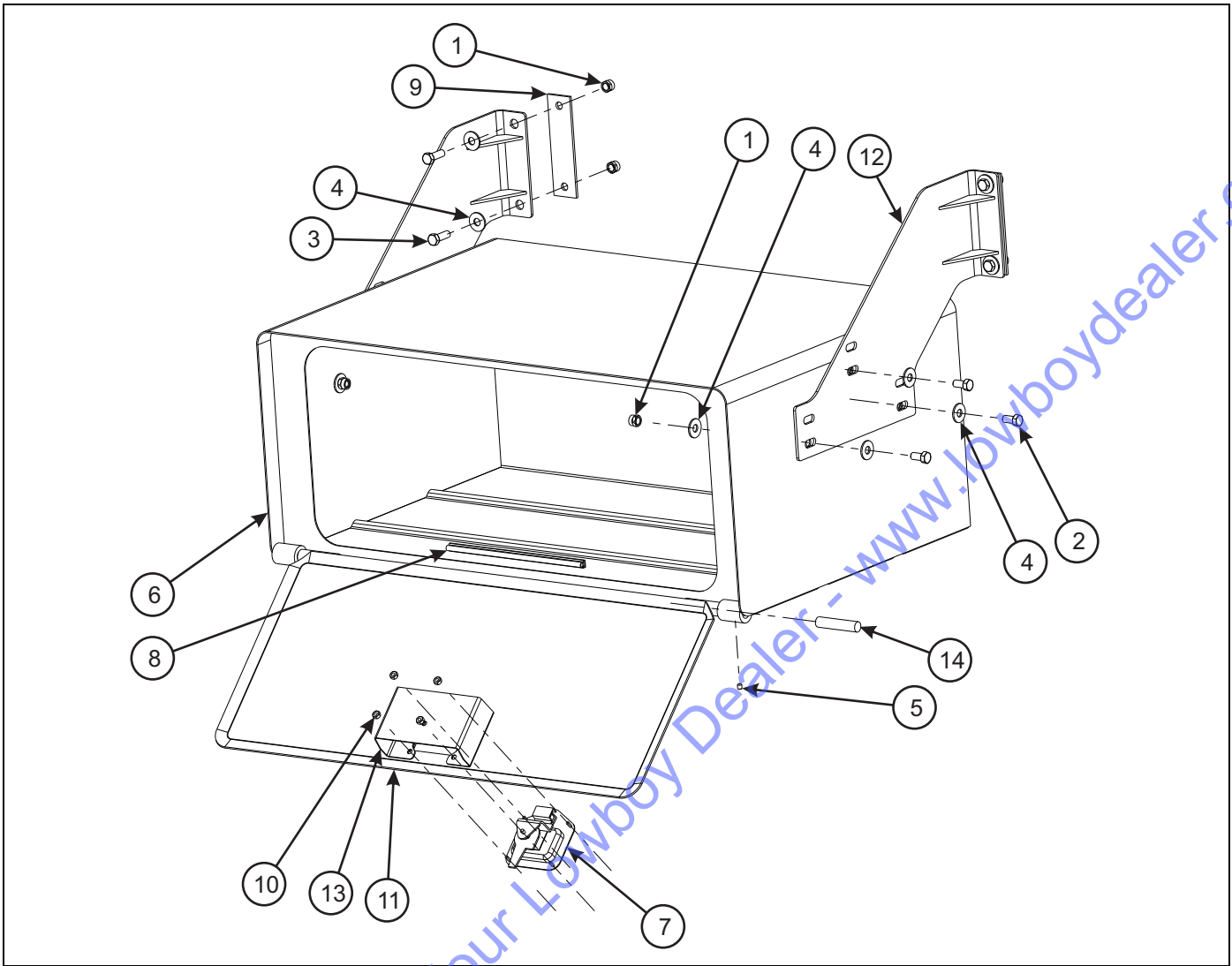


Figure 1-72: Tool Box Installation

Tool Box Installation

ITEM	PART NO.	DESCRIPTION	QTY.
	163540	TOOLBOX INSTALLATION 42 X 28 X 17	
1	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	10
2	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5	6
3	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	4
4	1-861-010032-15	WASHER, FLAT 1/2W	16
5	107-0975	SCREW, SET LOCK 5/16-18 X 3/8	2
6	163541	TOOLBOX WELDMENT	1
7	114814	LATCH FOLDING T LOCKABLE	1
8	114815	SEAL, SPONGE RUBBER TRIM	7
9	115843	BAR, BACKUP TOOLBOX MOUNTING	2
10	115877	NUT, HEAVY HEX 1/4-20 GR5	4
11	163544	DOOR WELDMENT STEEL 42 X 28 X 17	1
12	117860	BRACKET, WELDMENT TOOLBOX MOUNTING	2
13	153420	TOOLBOX LATCH SHIELD	1
14	RPRB59004X3H	BAR, ROUND 3/4 X 3-1/2 NYLATRON	2

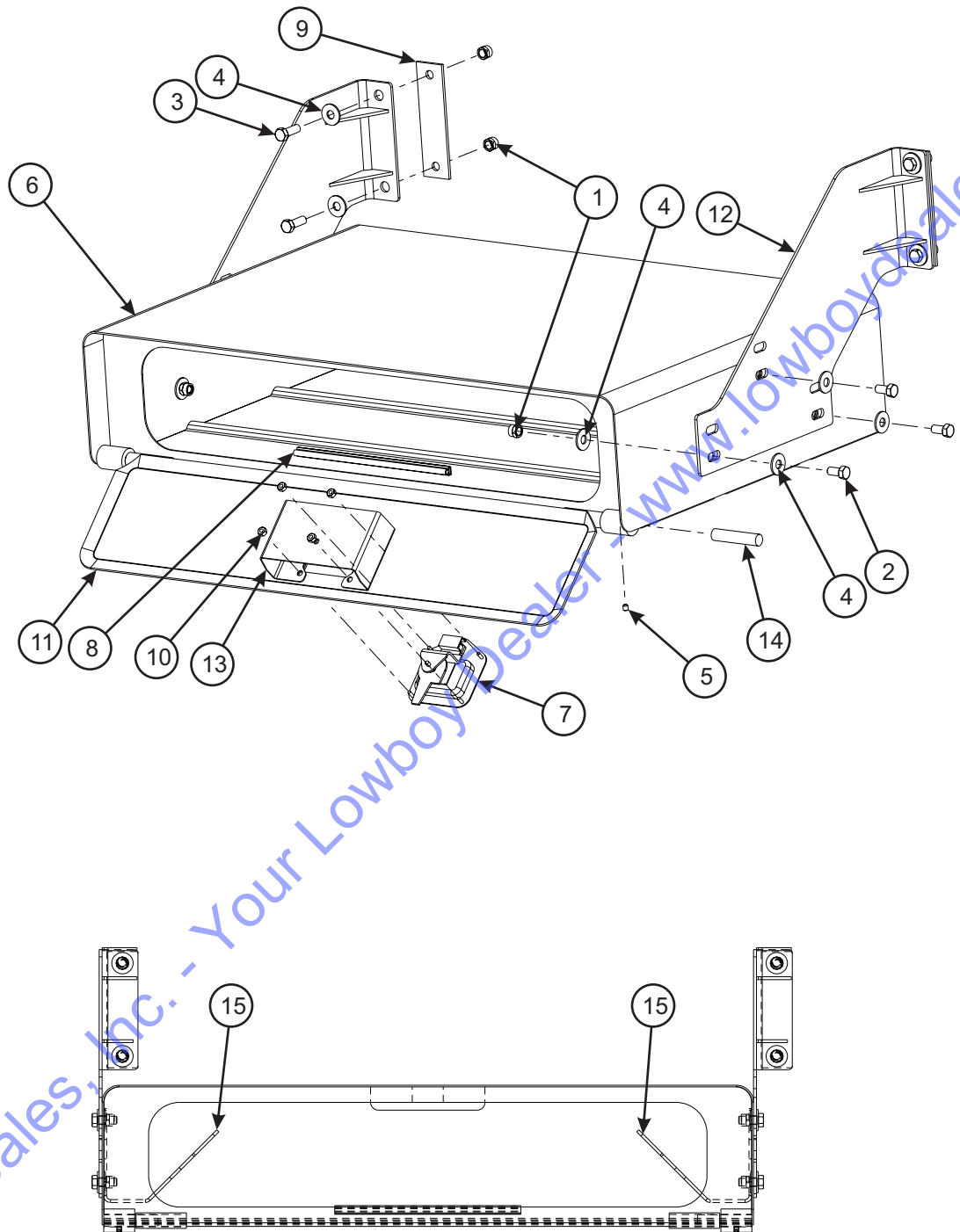


Figure 1-73: Tool Box Installation - Steel Door

Tool Box Installation - Steel Door

ITEM	PART NO.	DESCRIPTION	QTY.
	114807	STEEL DOOR TOOLBOX INSTALLATION	
1	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	10
2	1-654-010055-02	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5	6
3	1-654-010055-03	SCREW, HEX HEAD CAP 1/2-13 X 1-1/2 GR5	4
4	1-861-010032-15	WASHER, FLAT 1/2W	16
5	107-0975	SCREW, SET LOCK 5/16-18 X 3/8	2
6	114808	TOOLBOX WELDMENT	1
7	114814	LATCH FOLDING T LOCKABLE	1
8	114815	SEAL, SPONGE RUBBER TRIM	7
9	115843	BAR, BACKUP TOOLBOX MOUNTING	2
10	115877	NUT, HEAVY HEX 1/4-20 GR5	4
11	116623	DOOR WELDMENT STEEL TOOLBOX	1
12	117860	BRACKET, WELDMENT TOOLBOX MOUNTING	2
13	153420	TOOLBOX LATCH SHIELD	1
14	RPRB59004X3H	BAR, ROUND 3/4 X 3-1/2 NYLATRON	2
15	178706	TOOLBOX PANEL ORGANIZER ASSEMBLY (ITEM 16)	1
16	178705	TOOLBOX SUPPORT PANEL	2

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