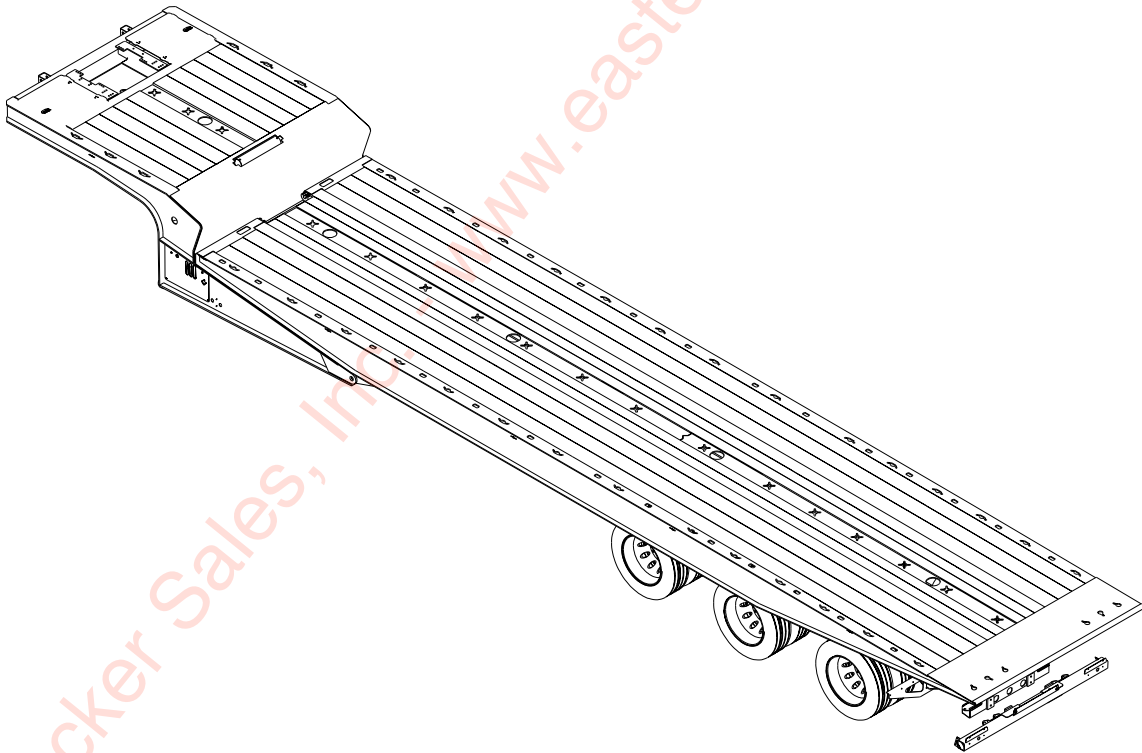




MODEL 410 SERIES (EUROPE) SEMITRAILER PARTS LIST



**1900 NORTH STREET
MARYSVILLE, KANSAS 66508
(785) 562-5381**

ILLUSTRATED PARTS LIST

1

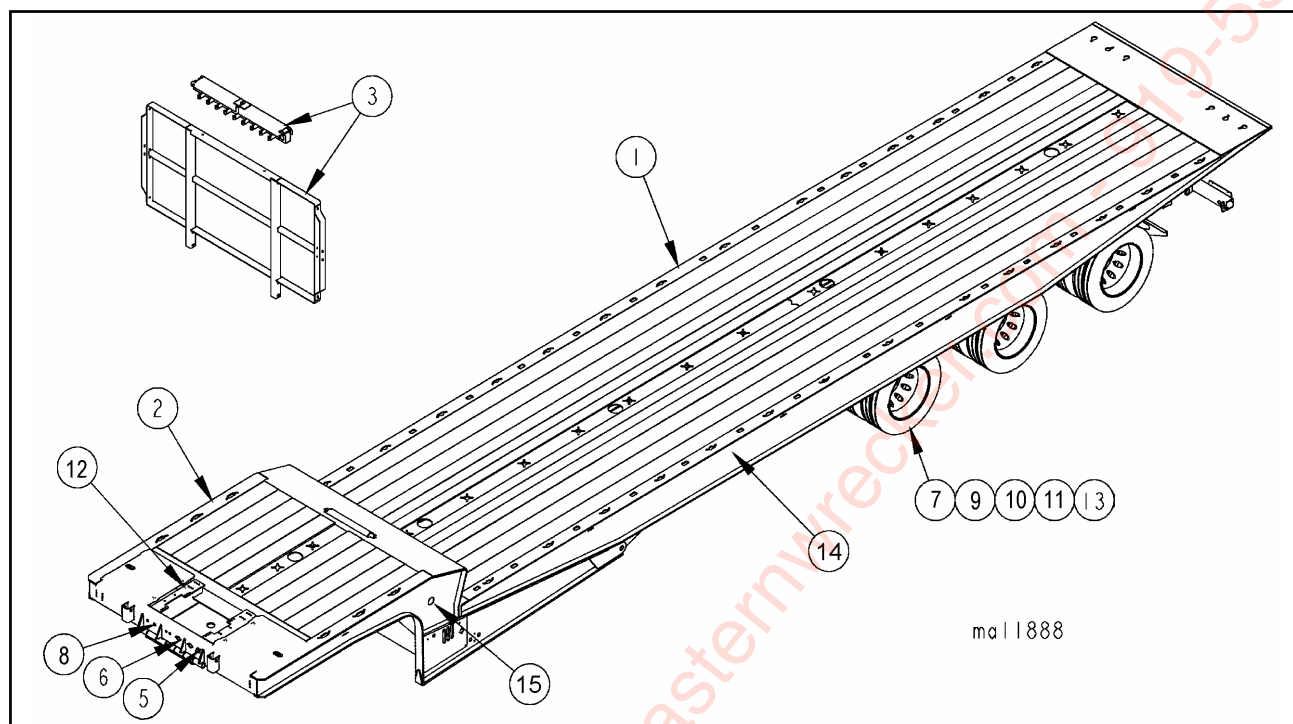


Figure 1-1 General Assembly

GENERAL ASSEMBLY

ITEM	PAGE NO.	DESCRIPTION	QTY.
1		LOWER DECK	1
2	1-2 - 1-3	GOOSENECK FRAME ASSEMBLY	1
3	1-4 - 1-5	FRONT EXTENSION AND BULKHEAD ASSY. (OPTION)	1
4	1-6 - 1-7	OUTRIGGER/PULLOUT INST. (OPTION)(NOT SHOWN)	1
5	1-8 - 1-17	HYDRAULIC SYSTEM	1
6	1-18 - 1-21	LIGHTING AND EBS ELECTRICAL SCHEMATICS	1
7	1-22 - 1-25	UNDERCARRIAGE ASSEMBLY - AIR RIDE SUSPENSION	1
8	1-26 - 1-29	AIR SYSTEM	1
9	1-30 - 1-31	AXLE AND BRAKE	1
10	1-32 - 1-33	SUSPENSION HANGER RLU-250	2
11	1-34 - 1-35	HUB AND DRUM ASSEMBLY	4
12	1-36 - 1-41	WINCH ASSEMBLIES	1
13	1-42 - 1-49	DOCK LEVELER ASSEMBLIES (OPTION)	1
14	1-50 - 1-51	DECAL INSTALLATION	1
15	1-52 - 1-55	LANDING GEAR ASSEMBLIES (OPTION)	1

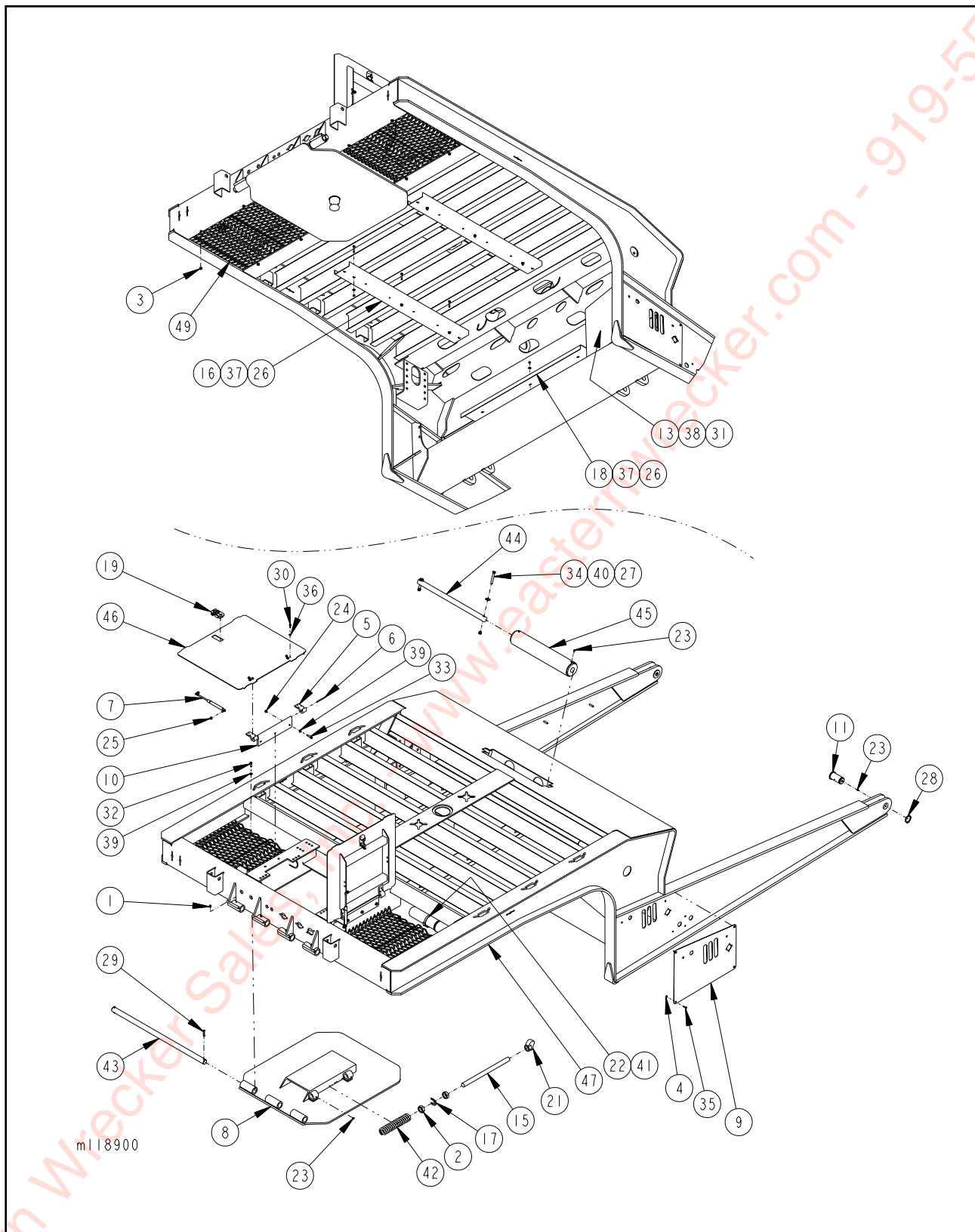
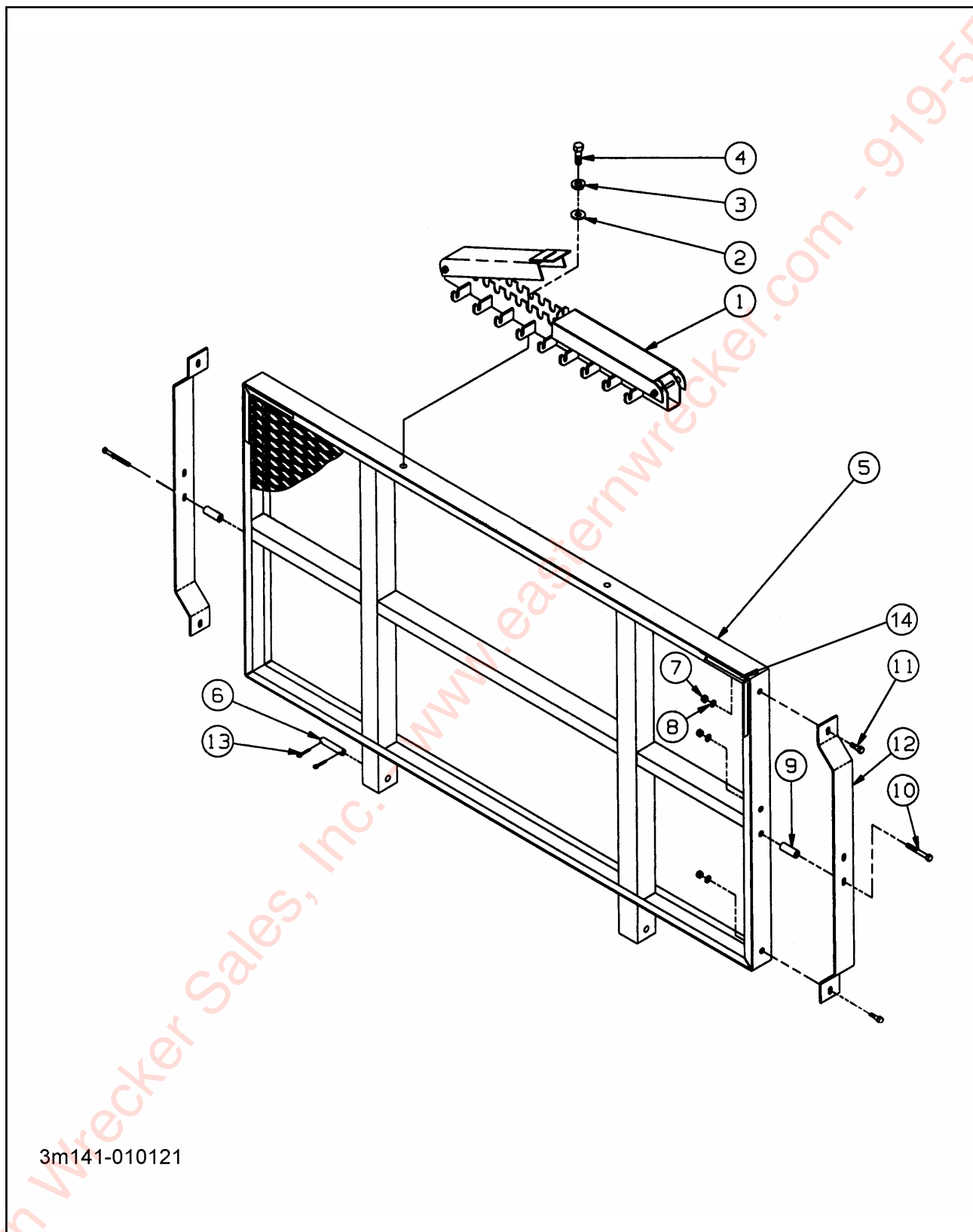


Figure 1-2 Gooseneck Frame Assembly

GOOSENECK FRAME ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
	118900	GOOSENECK FRAME ASSEMBLY	
1	5210	ZERK FITTING, GREASE 45	4
2	100823	NUT HEX JAM 1-1/4-7 GRB	2
3	107470	NUT, FLANGE HD SPIRALOCK 3/8-16	8
4	108417	NUT, FLANGE HD SPIRALOCK 1/4-20	4
5	108545	HINGE, DOOR	4
6	108601	PIN, DOOR HINGE	4
7	110435	BT CONSOLE LIFT GAS SPRING	2
8	116822	HITCH PLATE	1
9	116844	PLACARD, CONTROL PANEL	1
10	116856	HINGE, BASE TOOLBOX LID	2
11	116943	PIVOT PIN	2
13	117541	SHIELD, HYD.	1
15	117556	LATCH ROD	1
16	117557	TRAY, CABLE/HOSE	2
17	117562	SHIM HITCH	1
18	117565	COVER, HOSE LOWER	1
19	118853	LATCH, COMPRESSION	2
21	118889	CAM, FIFTH WHEEL LATCH	1
22	1-116-010019	BOX MANUAL STORAGE	1
23	1-298-010001-1	ZERK FITTING 1/4	6
24	1-510-010003-05	NUT, FLANGE HEAD SERR. 3/8-16	6
25	1-510-010004-03	NUT HEX FLANGE 5/16-18 GRB	4
26	1-512-010005-01	NUT, HEX LOCK 1/4-20 GRB	9
27	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	2
28	1-630-010021-02	RING, RETAINING 2 HD	2
29	1-647-010004255	ROLL PIN 3/8X2	2
30	1-654-010047-04	SCREW, HEX HEAD CAP 1/4-20 X 3/4 GR5	12
31	1-654-010049-03	SCREW, HEX HEAD CAP 5/16-18 X 3/4 GR5	4
32	1-654-010051-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	8
33	1-654-010051-07	SCREW, HEX HEAD CAP 3/8-16 X 1-1/2 GR5	6
34	1-654-010055-11	SCREW HEX HEAD CAP, 1/2-13X3-1/2 GR5	2
35	1-654-010158-02	SCREW RD HEAD SQ NECK 1/4-20X1 GR2	4
36	1-861-010032-06	WASHER, FLAT 1/4N	12
37	1-861-010032-07	WASHER, FLAT 1/4W	9
38	1-861-010032-08	WASHER, FLAT 5/16N	4
39	1-861-010032-10	WASHER, FLAT 3/8N	14
40	1-861-010032-15	WASHER, FLAT 1/2	2
41	105-0093	HOSE CLAMP	1
42	2-720-010002	SPRING - CLAMP OUTER	1
43	3-557-010469	HINGE PIN	1
44	3-642-010134	ROD ROLLER	1
45	3-645-010059	ROLLER WLDMT, CABLE	1
46	116855	DOOR WLDMT, TOOL BOX	2
47	116821	GOOSENECK WELDMENT	1
49	118816	TOOLBOX BOTTOM	2

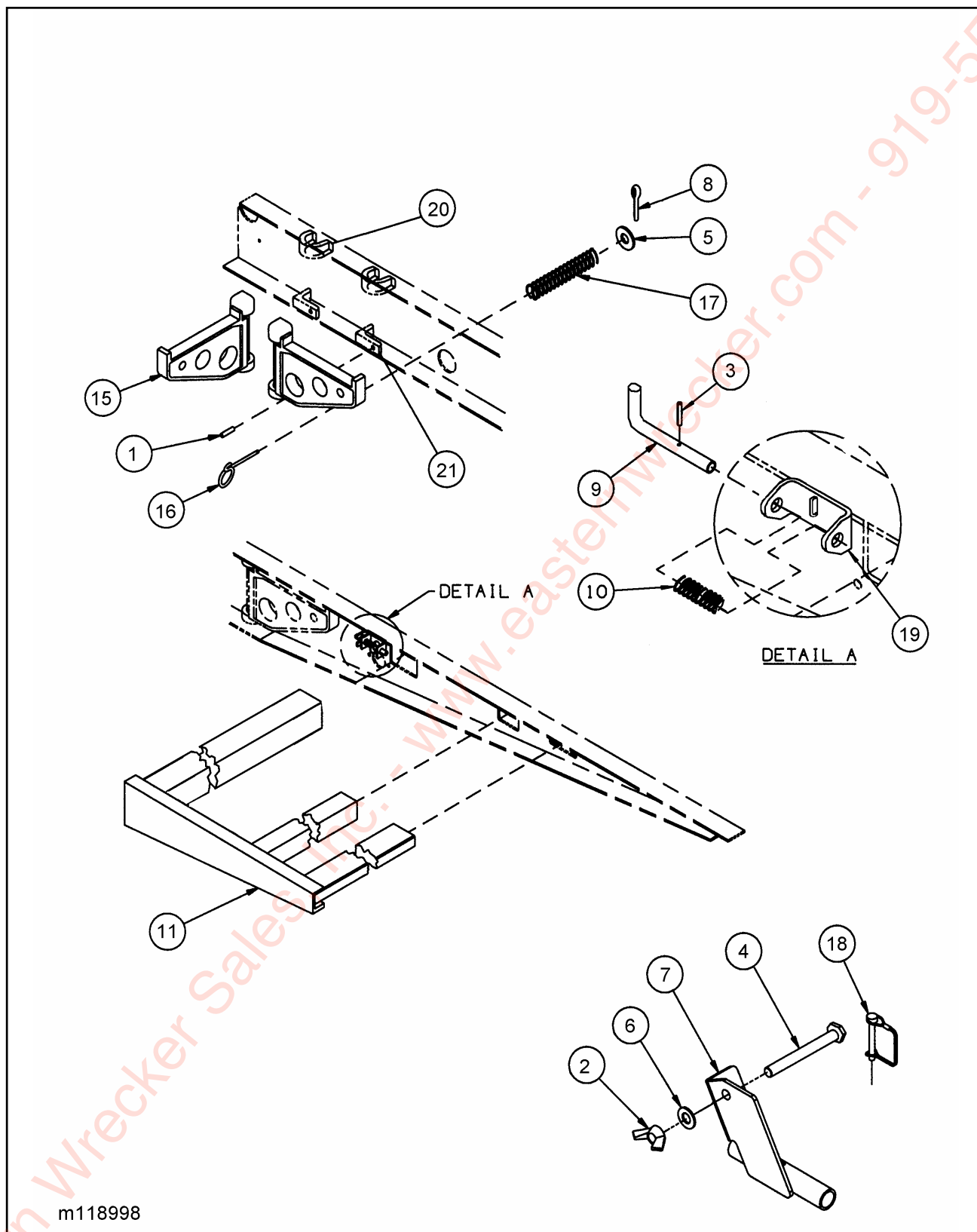


3m141-010121

Figure 1-3 Front Extension and Bulkhead Assembly

FRONT EXTENSION AND BULKHEAD ASSY (OPTION)

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



m118998

Figure 1-4 Outrigger/Pullout Installation

OUTRIGGER/PULL OUT INSTALLATION

ITEM	PART NO.	DESCRIPTION	
	118998	OUTRIGGER INSTALLATION 410-48 EURO	
1	0600-375-01500	ROLL PIN 3/8 X 1-1/2	44
2	1-533-010001	WING NUT 1/2-13	4
3	1-647-010004177	PIN, SPRING SLOTTED 3/16 X 1-1/2	4
4	1-654-010055-14	SCREW, HEX HEAD CAP 1/2-13 X 4-1/2 GR5	4
5	1-861-010032-07	WASHER FLAT 1/4	44
6	1-861-010032-15	WASHER, FLAT 1/2W	4
7	101062	BRACKET FLAG HOLDER	4
8	101386	COTTER PIN	44
9	104252	PIN, P/O EXT LOCK	4
10	104253	SPRING, COMPRESSION P/O EXT LOCK	4
11	118843	PULL OUT WELDMENT LH REAR	1
12	118844	PULL OUT WELDMENT RH REAR (NOT SHOWN)	1
13	119613	PULL OUT WELDMENT LH FRONT (NOT SHOWN)	1
14	119614	PULL OUT WELDMENT RH FRONT (NOT SHOWN)	1
15	167-0022	OUTRIGGER FOR 10 CHANNEL	44
16	3-187-010001	CLIP OUTRIGGER STAY	44
17	3-720-010024	SPRING 1/16 DIA X 2-3/4 LG	44
18	516-22PTL	RETAINING PIN MUD FLAP	4
19	104251	BRACKET WELDMENT LOCK PULL OUT EXT	4
20	3-125-010482	BRACKET, MOUNT O/R TOP	44
21	3-125-010501	BRACKET, MOUNT O/R BOT. RAIL STYLE	44

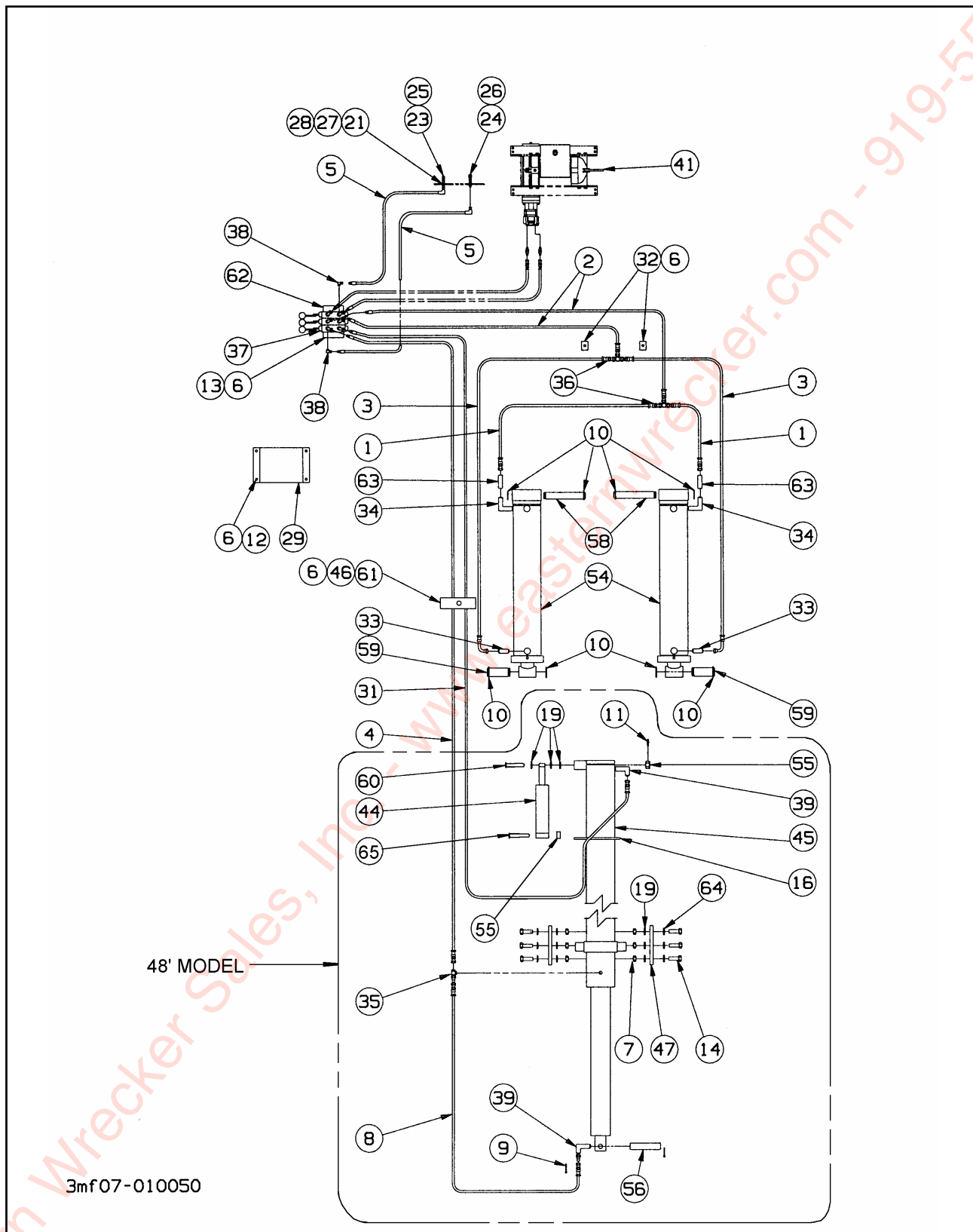


Figure 1-5 Hydraulic System (1 of 2)

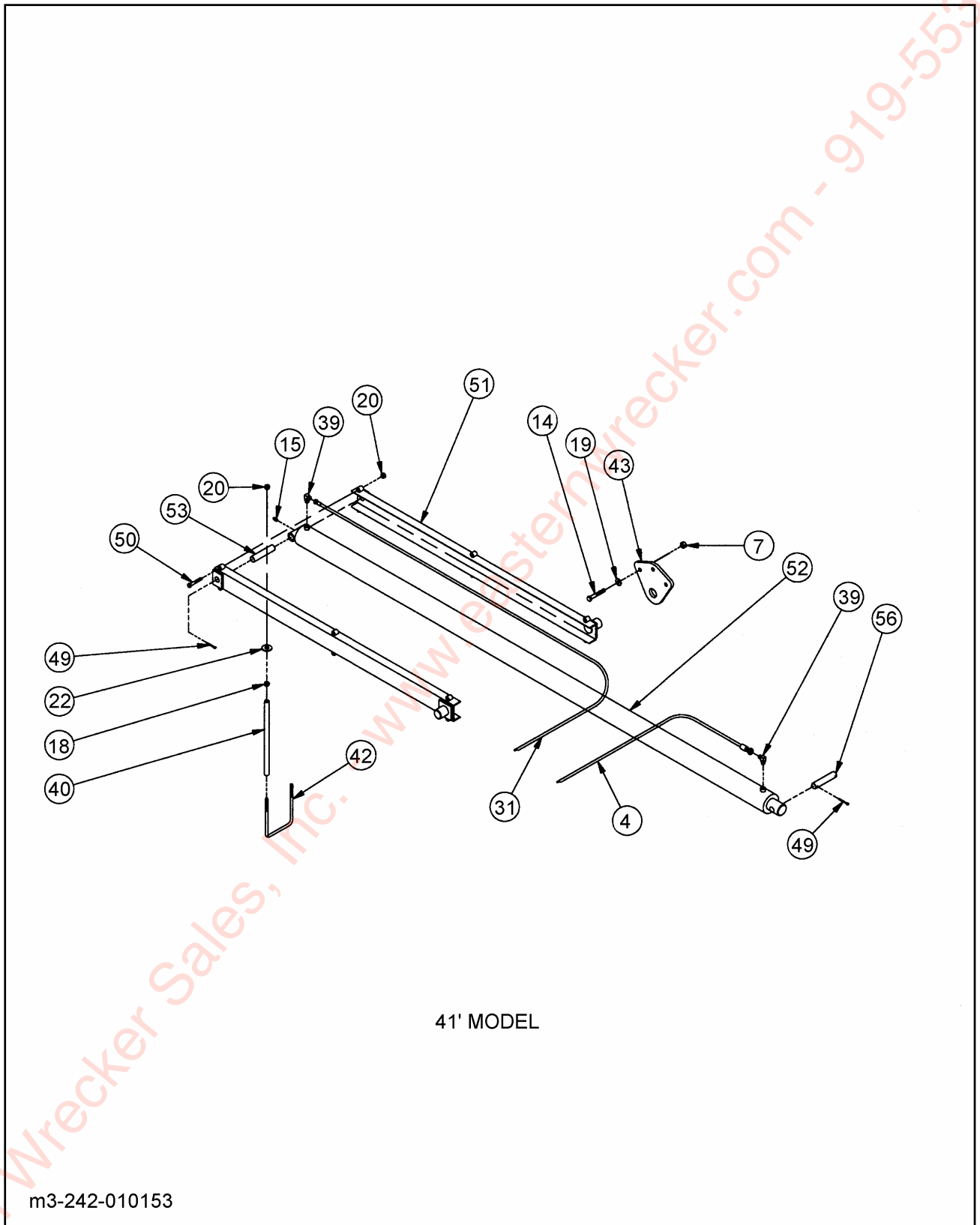


Figure 1-6 Hydraulic System (2 of 2)

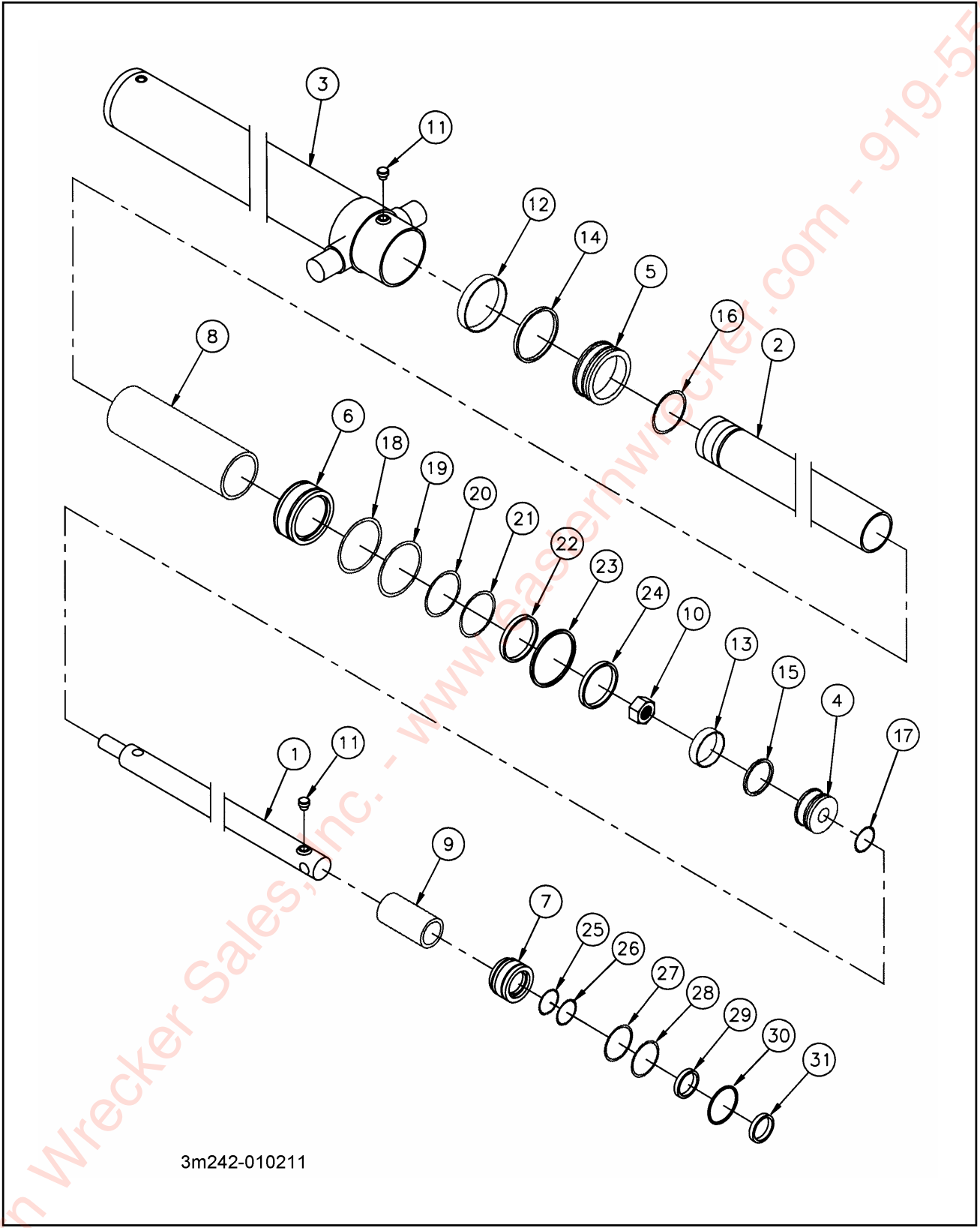
SCHEMATIC, HYDRAULIC SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.
	118937	HYDRAULIC INSTALLATION 410-41 RMT WINCH	
	118938	HYDRAULIC INSTALLATION 410-48 RMT WINCH	
	118974	HYDRAULIC INSTALLATION 410-41	
	118975	HYDRAULIC INSTALLATION 410-48	
1	1-397-010301064	HOSE ASSEMBLY 1/2 X 64	2
2	1-397-010302042	HOSE ASSEMBLY 1/2 X 42	2
3	1-397-010302084	HOSE ASSEMBLY 1/2 X 84	2
4	1-397-010302216	HOSE ASSEMBLY 1/2 X 216	1
5	1-397-010305190	HOSE ASSEMBLY 3/4 X190	2
6	1-510-010001	NUT, HEX FLANGE LOCK 3/8-16	14
7	1-512-010005-15	NUT HEX LOCK 3/4-10 GRB	6
8	1-397-010369324	HOSE ASSEMBLY 3/8 X 324 (48')	14
9	1-557-010362-54	PIN, COTTER 3/16 X 2-1/4	2
10	1-630-010021-01	RING, SNAP	8
11	1-647-010004177	ROLL PIN, SLOTTED	1
12	1-654-010051-07	SCREW, HEX HEAD CAP 3/8-16 X 1-1/2 GR5	4
13	1-654-010051-09	SCREW, HEX HEAD CAP 3/8-16X2 GR5	3
14	1-654-010061-06	SCREW, HEX HEAD CAP 3/4-10 X 2-1/4 GR5	6
15	1-298-010001-1	GREASE ZERK 1/4 (41')	1
16	1-796-010003-02	TIE, STRAP PLASTIC	AR
17	1-822-010001	TRIM (NOT SHOWN)	AR
18	1-861-010032-15	WASHER, FLAT 1/2W (41')	2
19	1-861-010032-21	WASHER, FLAT 3/4W	6
20	1-512-010005-09	NUT, HEX LOCK 1/2 GRB (41')	6
21	1-861-010059-21	WASHER, LOCK INTERNAL TOOTH 1-1/8"	2
22	1-512-010007-09	NUT, HEX 1/2-13 GRB (41')	2
23	105479	COUPLER, FLAT FACE MALE	1
24	105480	COUPLER, FLAT FACE FEMALE	1
25	105481	COUPLER, DUST CAP MALE	1
26	105482	COUPLER, DUST CAP FEMALE	1
27	105483	ADAPTER, BULKHEAD	2
28	105822	DECAL, HYD. COUPLER (NOT SHOWN)	1
29	116837	MOUNT, CONTROL VALVE	1
30	118914	HOSE WRAP SPIRAL (NOT SHOWN)	AR
31	119620	HOSE ASSEMBLY 1/2 X 268	1
32	2-181-010001	CLAMP, HOSE	5
33	2021-12-8S	ADAPTER	2
34	2024-12-8S	ADAPTER, 90	2
35	203003-8-8S	ADAPTER, TEE (48')	1
36	2033-8-8S	ADAPTER TEE	2
37	2061-8-8S	ADAPTER, 45	6
38	2062-12-12S	ADAPTER, 90	2
39	2062-8-8S	ADAPTER, 90	2
40	2750-8	HOSE, AIR BRAKE 1/2 (41')	AR
41	119624	WINCH ASSEMBLY (SEE PAGE 1-37)	1
42	3-102-010048	U-BOLT 7-5/8 X 10 (41')	1
43	3-125-010241	BRACKET, CYL MOUNT (41')	2
44	900 45 040	SHOCK ABSORBER AR93 (48')	1
45	3-242-010212	CYLINDER WLDMT 6X4X212 (48') (SEE PAGE 1-13)	1
46	3-181-010006	CLAMP, HOSE LARGE	*10,12

SCHEMATIC, HYDRAULIC SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.
47	3-120-010425	BRACKET, TEL CYL MOUNT (48')	2
48	3-242-010153	CYL. ASSY, STD LD ANGLE (INCL 15,20,49-53) (41')	1
49	1-557-010362-54	PIN, COTTER 3/16 X 2-1/4 (41')	4
50	1-654-010055-17	SCREW, HEX HEAD CAP 1/2-13 X 6 GR5 (41')	6
51	3-120-010073	BRACKET ASSEMBLY, CYLINDER TRUNNION (41')	2
52	3-242-010102	CYLINDER 4 X 126 (41') (SEE PAGE 1-15)	1
53	3-557-010033	PIN, CYL BUTT END (41')	1
54	3-242-010189	CYLINDER, LIFT 6X41 (SEE PAGE 1-14)	2
55	9-516-010002	NUT SLOTTED HEX 3/4-10 GRB	2
56	3-557-010120	PIN, U/C CYLINDER	1
58	3-557-010470-01	PIN, 1-1/2 X 10	2
59	3-557-010470-02	PIN, 1-1/2 X 10-13/16	2
60	3-654-010111	SCREW, HEX CAP MODIFIED	1
61	43028	HOSE WRAP AEROQUIP	AR
62	3-846-010008	VALVE ASSEMBLY, THREE SPOOL (SEE PAGE 1-17)	1
63	3-846-010155	VALVE, RESTRICTOR, 1/16-ONE WAY	2
64	3-861-010038	WASHER, STEP	6
65	1-654-010061-13	SCREW, HEX HEAD CAP 3/4-10 X 4 GR5 (48')	1

* 1ST QUANTITY SHOWN USED ON 41' MODELS; 2ND QUANTITY SHOWN USED ON 48' MODELS.



3m242-010211

Figure 1-7 Cylinder, Telescopic

CYLINDER TELESCOPIC

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010212	CYLINDER 6X4X212-600 (PRINCE BB-0364)	1
1	041300135	PISTON TUBE ASSY	1
2	042000229	PISTON TUBE ASSY	1
3	062300587	BUTT AND TUBE ASSY	1
4	071900314	PISTON	1
5	072300225	PISTON	1
6	082300232	GLAND	1
7	081900227	GLAND	1
8	212100043	SPACER	1
9	211400064	SPACER	1
10	220000214	LOCKNUT	1
11	200300040	PLUG	3
12	*240011084	BEARING RING	1
13	*240011052	BEARING RING	1
14	*240036005	TEFLON SEAL	1
15	*240036003	TEFLON SEAL	1
16	*230017702	ROUND RING	1
17	*240000029	O-RING	1
18	*240000433	O-RING	1
19	*240061433	BU-WASHER	1
20	*240000349	O-RING	1
21	*240005349	BU-WASHER	2
22	*240037048	U-CUP	1
23	*230007600	SQ. RET. RING	1
24	*250014450	WIPER	1
25	*240005333	BU-WASHER	2
26	*240000333	O-RING	1
27	*240000342	O-RING	1
28	*240061342	BU-WASHER	1
29	*240037015	U-CUP	1
30	*230007400	SQ. RET. RING	1
31	*250014250	WIPER	1

PMCK-BB-0364

PACKING KIT (ITEMS 12-31)(BB-0364)

* PARTS AVAILABLE IN PACKING KIT ONLY.

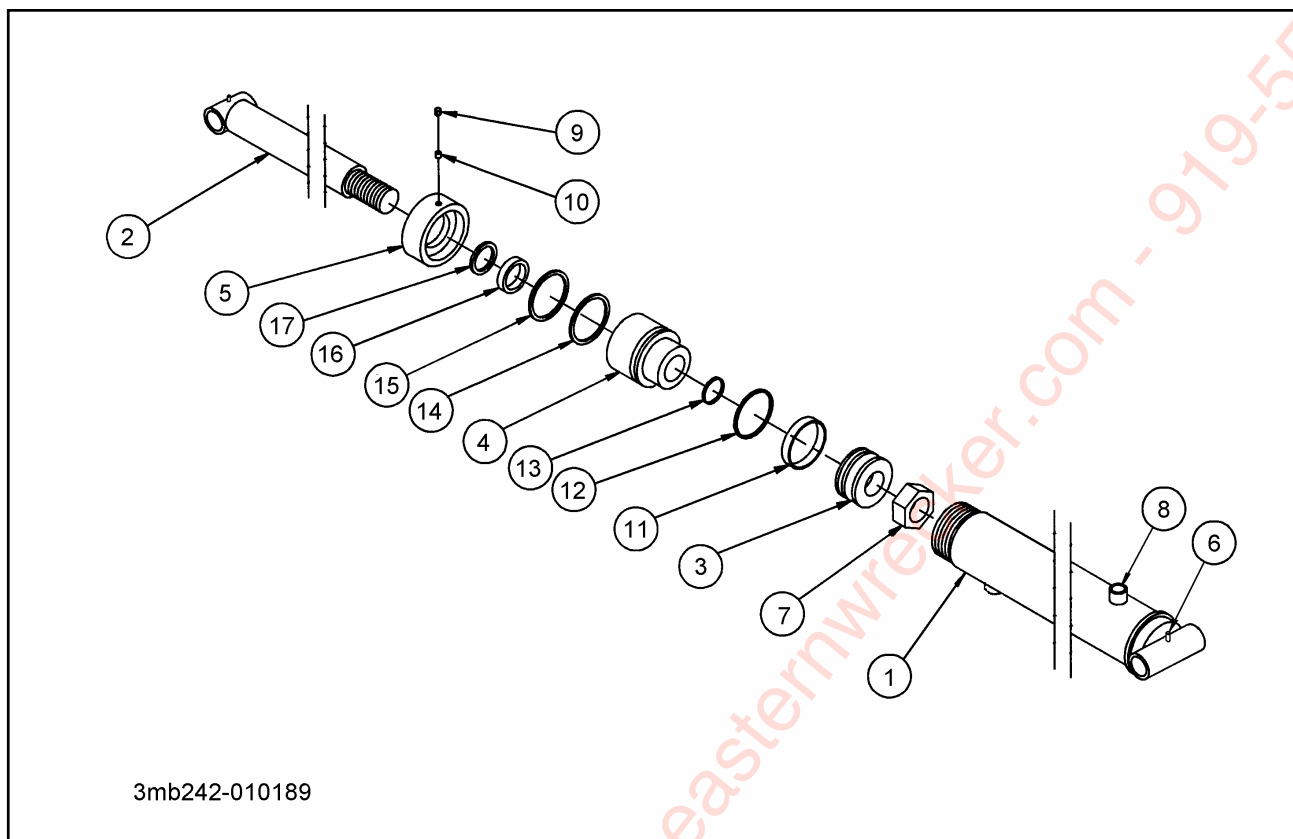


Figure 1-8 Cylinder 6" X 41"

CYLINDER 6" X 41"

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010189	CYLINDER HYDRAULIC 6" X 41" (PRINCE AP-574)	2
1	062300530	BUTT AND TUBE ASSY	1
2	021500077	PISTON ROD ASSY	1
3	072300150	PISTON	1
4	082300208	GLAND	1
5	262300011	GLAND CUP	1
6	270010002	GREASE ZERK	2
7	220000218	NUT, LOCK	1
8	200018004	LEVEL SEAL PLUG	2
9	220000701	SET SCREW	1
10	220000853	NYLON LOCK	1
11	*240011084	BEARING RING	1
12	*240060433	CROWN SEAL	1
13	*240000033	O-RING	1
14	*240000433	O-RING	1
15	*240061433	BU-WASHER	1
16	*240020017	U-CUP	1
17	*250014300	WIPER	1
	PMCK-AP-574	PACKING KIT (CONTAINS ITEMS 11-17)	

* PARTS AVAILABLE IN PACKING KIT ONLY.

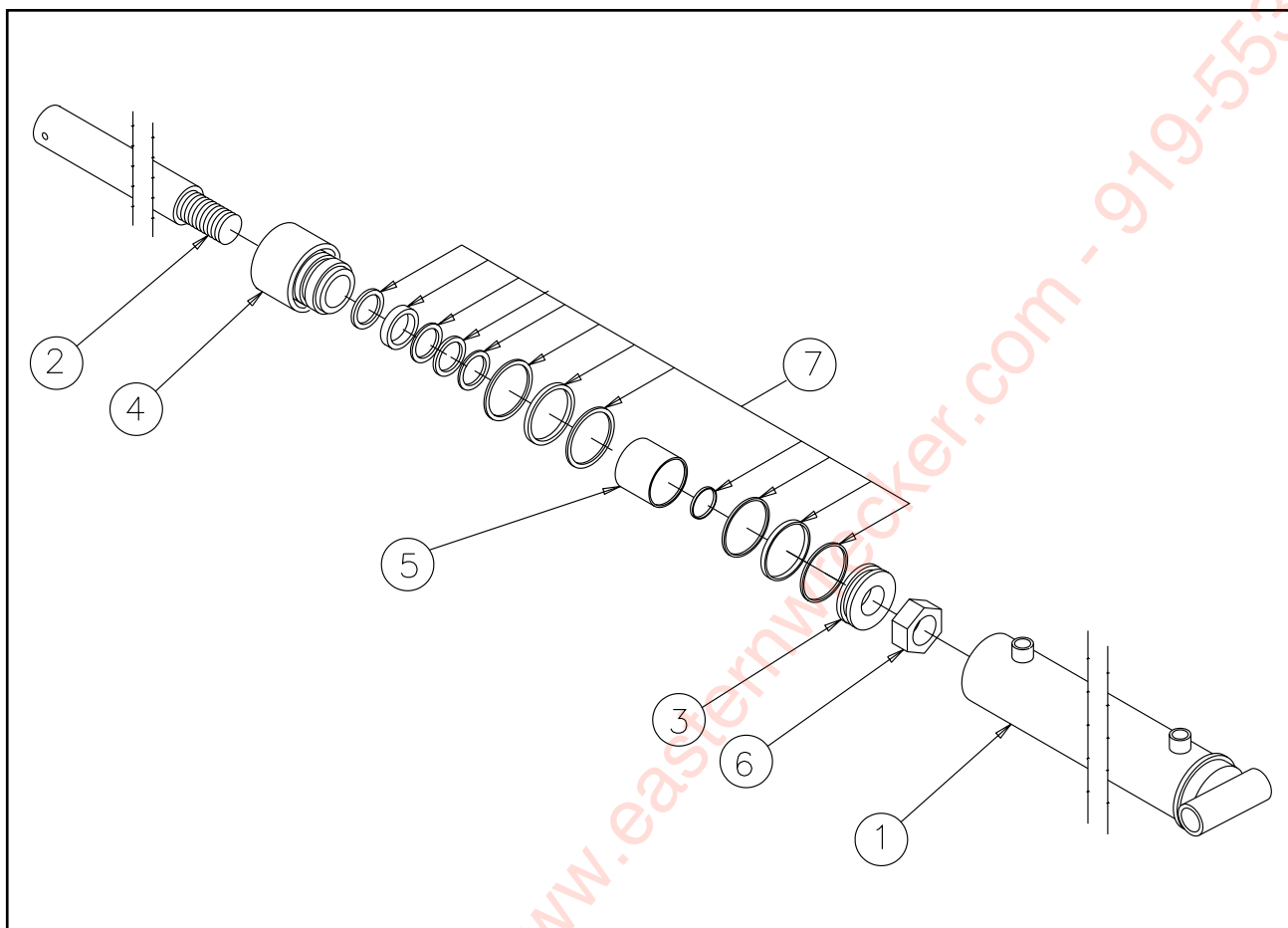


Figure 1-9 Undercarriage Slide Cylinder Assembly

UNDERCARRIAGE SLIDE CYLINDER

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010102	CYL. HYDR. 4"X126" (STANDARD LOAD ANGLE) (BB-0685)	1
1	061900849	BUTT AND TUBE ASSEMBLY	1
2	011300179	PISTON ROD	1
3	071900195	PISTON	1
4	081900277	GLAND	1
5	211300024	SPACER	1
6	220000212	LOCKNUT PISTON RING	1
7	PMCK-BB-0685	PACKING KIT (CONTAINS ALL NECESSARY SEALS AND O-RINGS)	1

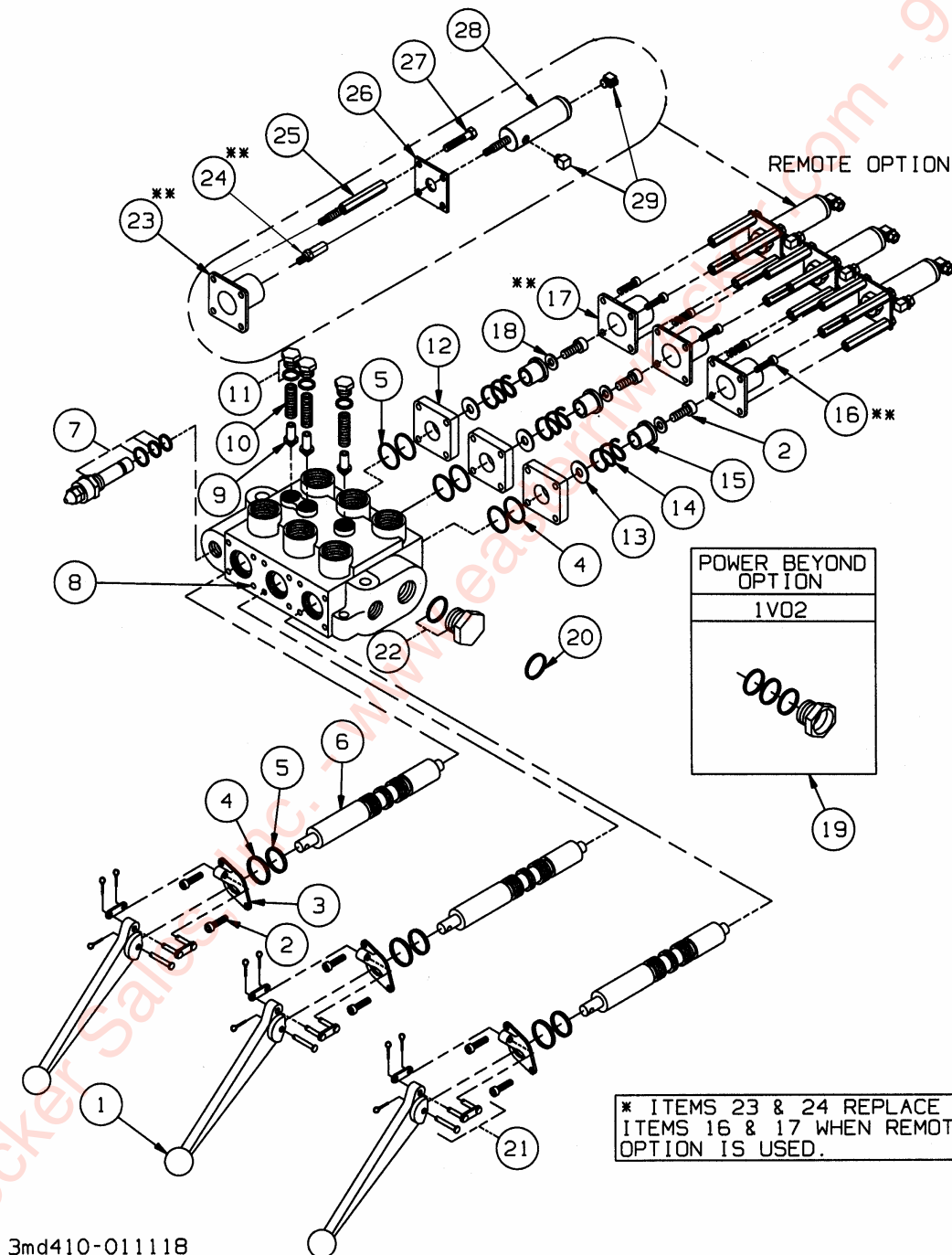


Figure 1-10 Three Spool Valve

THREE SPOOL VALVE

ITEM	PART NO.	DESCRIPTION	QTY.
	3-846-010008	VALVE ASSEMBLY	
1	1V1703	VALVE HANDLE	3
2	2A0079-404	CAP SCREW (TIGHTEN TO 7-11 FT. LBS)	9
3	4Z4306	BRACKET HANDLE	3
4	1A0711	WASHER O-RING SPOOL	6
5	2A0293-7214	SEAL SPOOL	6
6	*1V0090	SPOOL 4-WAY	3
7	1R0017	RELIEF ASSEMBLY (1500-3000 PSI) (PRESET @2500 PSI)	1
8	*1V0360	HOUSING VALVE	1
9	1V0081	POPPET LOAD CHECK	3
10	1A0757	SPRING LOAD CHECK	3
11	1V1725	PLUG LOAD CHECK	3
12	1A0709	SPACER END	3
13	1A0291	WASHER STOP	3
14	1A0744	SPRING CENTERING	3
15	1A0292	COLLAR STOP	3
16**	2A0079-406	CAPSCREW (TIGHTEN TO 7-11 FT. LBS)	12
17**	1A0294	CAP END	3
18	1A0290	WASHER CENTERING SPRING	3
19	1V0208	ADAPTER ASSEMBLY REMOTE POWER BEYOND (CONTAINS ALL NECESSARY O-RING)	1
20	2A293-7214	GROMMET RUBBER (BOTTOM OUTLET)	1
21	1V1701	PIN KIT	3
22	2A0354-121	PLUG CONVERSION	1
23**	3-161-010034	CAP MODIFIED VALVE SPOOL	1
24**	3-007-010039	ADAPTER AIR CYLINDER	4
25	3-711-010055	SPACER	4
26	3-482-010288	MOUNT AIR CYLINDER VALVE	1
27	1-654-010047-02	SCREW HEX CAP 1/4-20 X 1/2 GR5	4
28	3-238-010001	CYLINDER AIR	1
29	3-136-010001-01	BREATHING, PNEUMATIC EXHAUST 1/8	2

* SOLD AS MATCHED SET ONLY.

** ITEMS 23 AND 24 REPLACE ITEMS 16 AND 17 WHEN REMOTE OPTION IS USED.

24V "N" SOCKET (P/N 117308)

PIN#	FUNCTION	118829 BUMPER HARNESS		
		118818 BED HARNESS	RIGHT BRANCH	LEFT BRANCH
A	GROUND	WHITE	WHITE	WHITE
B	LEFT MARKER	BLACK	-	GREEN
C	LEFT TURN	YELLOW	-	BLACK
D	STOP & EBS BACKUP	RED	RED	RED
E	RIGHT TURN	GREEN	GREEN	-
F	RIGHT MARKER	BROWN	BLACK	-
G	NOT USED	-	-	-

24V "S" SOCKET (P/N 118852)

PIN#	FUNCTION	118829 BUMPER HARNESS		
		118818 BED HARNESS	RIGHT BRANCH	LEFT BRANCH
A	GROUND	WHITE	WHITE	WHITE
B	NOT USED	-	-	-
C	REVERSE LIGHT	ORANGE	YELLOW	YELLOW
D	AUXILIARY LIGHTS	-	-	-
E	NOT USED	-	-	-
F	NOT USED	-	-	-
G	FOG	BLUE	BROWN	BROWN

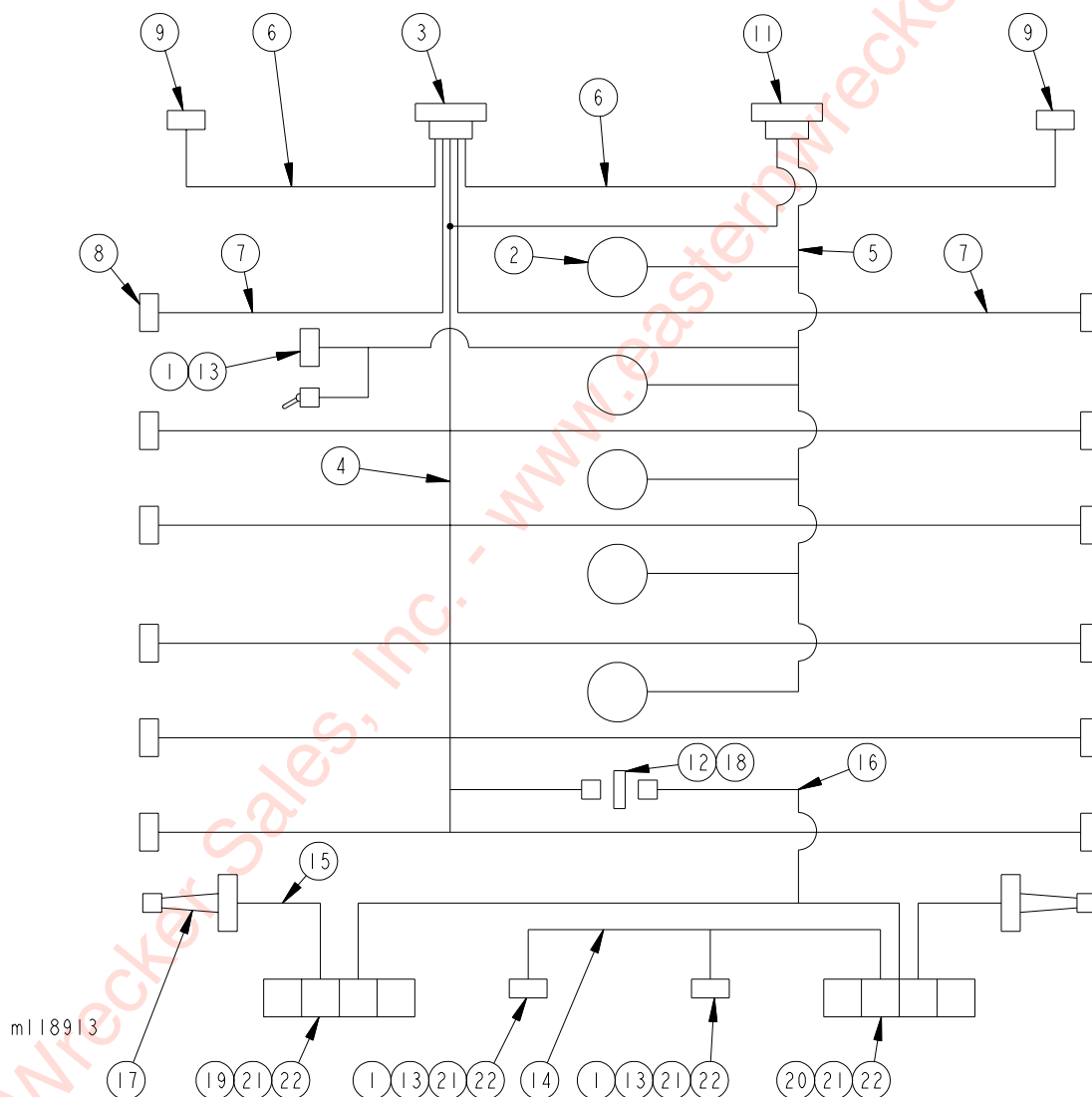
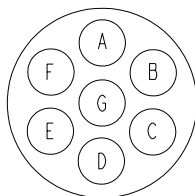


Figure 1-11 Lighting System Schematic

SCHEMATIC, LIGHTING SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.
	118913	ELECTRICAL INSTALLATION 410 EURO	
1	116912	LIGHT CLEAR 24V LICENSE	3
2	116948	LIGHT KIT CLEAR 24V BACKUP	5
3	117308	SOCKET 7 WAY RING TERMINAL	1
4	118818	HARNESS BED	1
5	118819	HARNESS LANDING LIGHTS	1
6	118822	HARNESS, FRONT MARKER SHORT	2
7	118823	HARNESS FRONT MARKER LONG	2
8	118824	LIGHT AMBER LED 24V SM18	12
9	118825	LIGHT CLEAR LED 24V FM18	2
11	118852	SOCKET ISO 3731 RING TERMINAL	1
12	120468	PANEL NUT DEUTSCH HDP 20	1
13	15009	LICENSE LAMP	3
14	118820	HARNESS, TAG LIGHT	1
15	118821	HARNESS, STALK LIGHTS	2
16	118829	HARNESS, E-CHAIN BUMPER	1
17	118904	LIGHT, STALK MT BRITAX	2
18	1-343-010006	GROMMET	6
19	117351	LIGHT MODULE 24V LH	1
20	117352	LIGHT MODULE 24V RH	1
21	1-512-010007-03	NUT, HEX #10-24 GRB	17
22	1-656-010003051	SCREW, RD HEAD MACH #10-24 X 3/4	17

Figure 1-12 EBS Electrical System Schematic

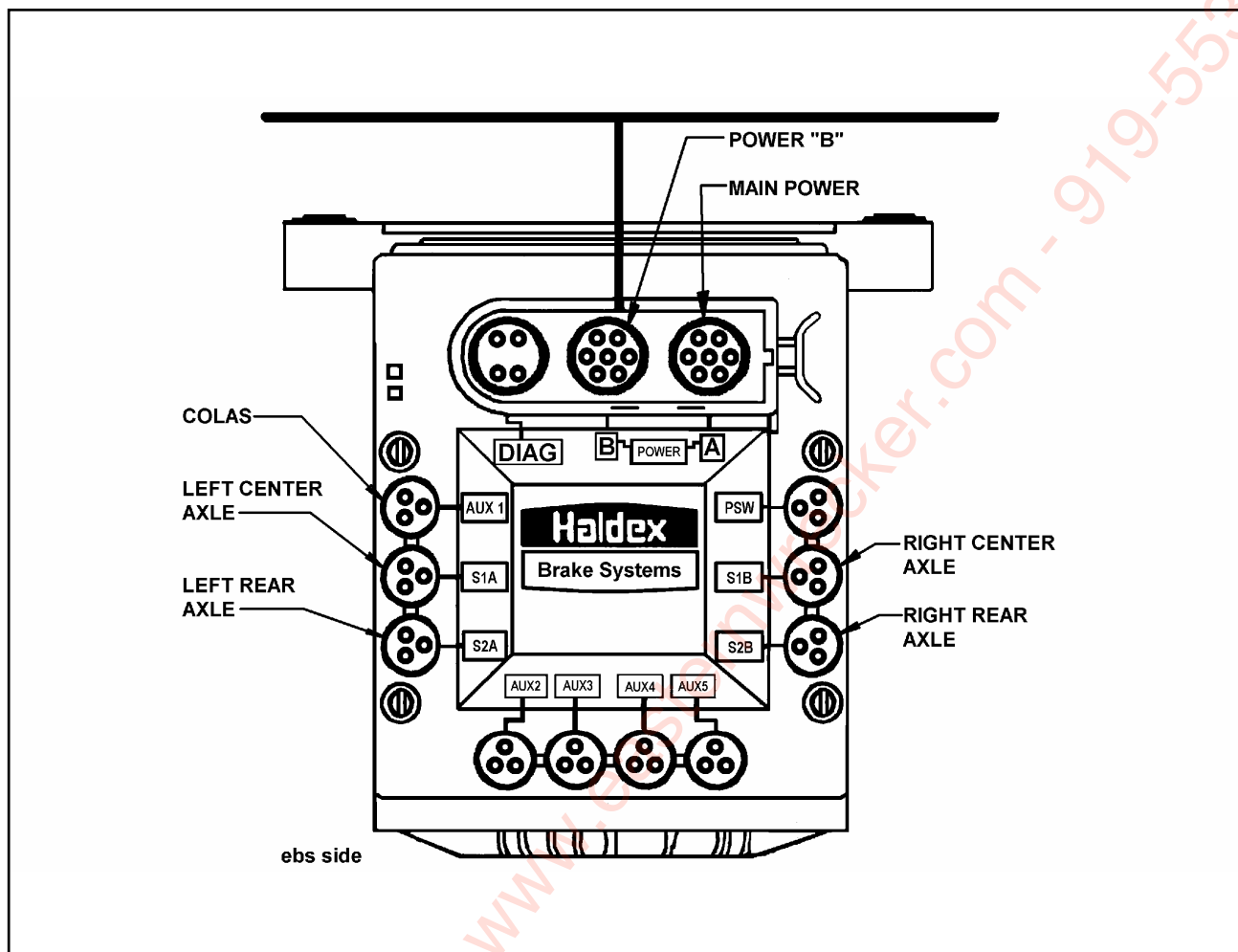


Figure 1-13 EBS Modulator Valve - Side View

SCHEMATIC, EBS ELECTRICAL SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.
	118809	EBS BRAKE KIT 4S/2M HALDEX (INCL. ITEMS 6-14)	
1	0013007	TUBING, HEAT SHRINK	AR
2	239-3646-4	TERMINAL #10 RING	2
3	3-156-010043	CABLE 16 AWG X 7 CONDUCTOR	AR
4	3-201-010001	CONDUIT PLASTIC FLEX 5/16	6
5	3-272-010021	ELECT BUTT SPLICE	14
6	814004401	SENSOR EXTENSION CABLE	4
7	814003111	MAIN POWER CABLE W/ ISO 7638 SOCKET-15M	1
8	814002201	POWER "B" CABLE, TWO CONDUCTOR	1
9	810001301	EBS MODULATOR VALVE 4S/2M	1
10	814001311	THREE CONDUCTOR CABLE	2
11	351033001	RELAY EMERGENCY VALVE	1
12	041502309	PRESSURE SWITCH FOR R.E.V.	1
13	814001501	PRESSURE SWITCH CABLE, THREE CONDUCTOR	1
14	338054001	RESET TO RIDE HEIGHT (COLAS) VALVE	1
15	118826	LIGHT GREEN LED 24V AM18	1

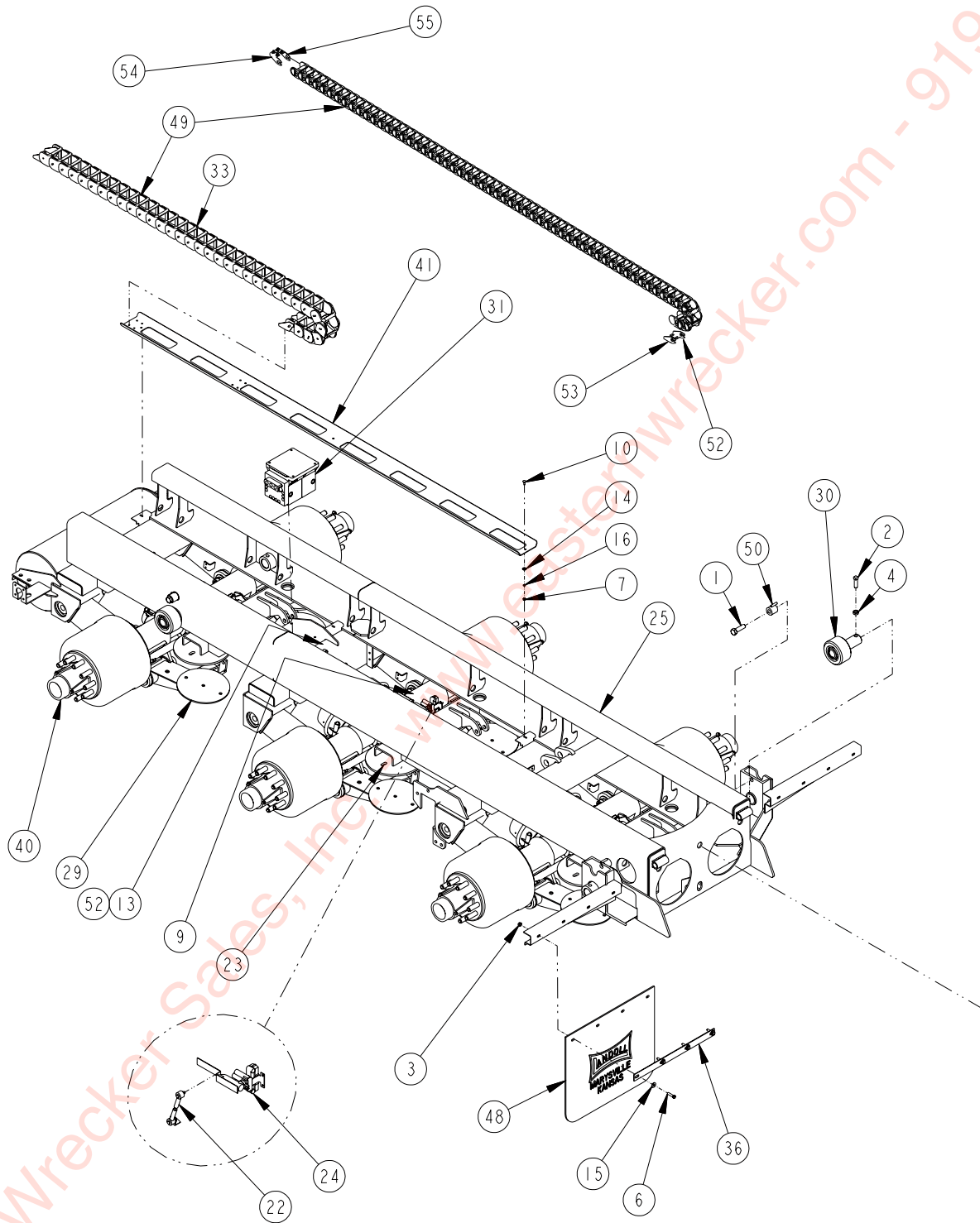


Figure 1-14: U/C Assembly, Air Ride Suspension (1 of 2)

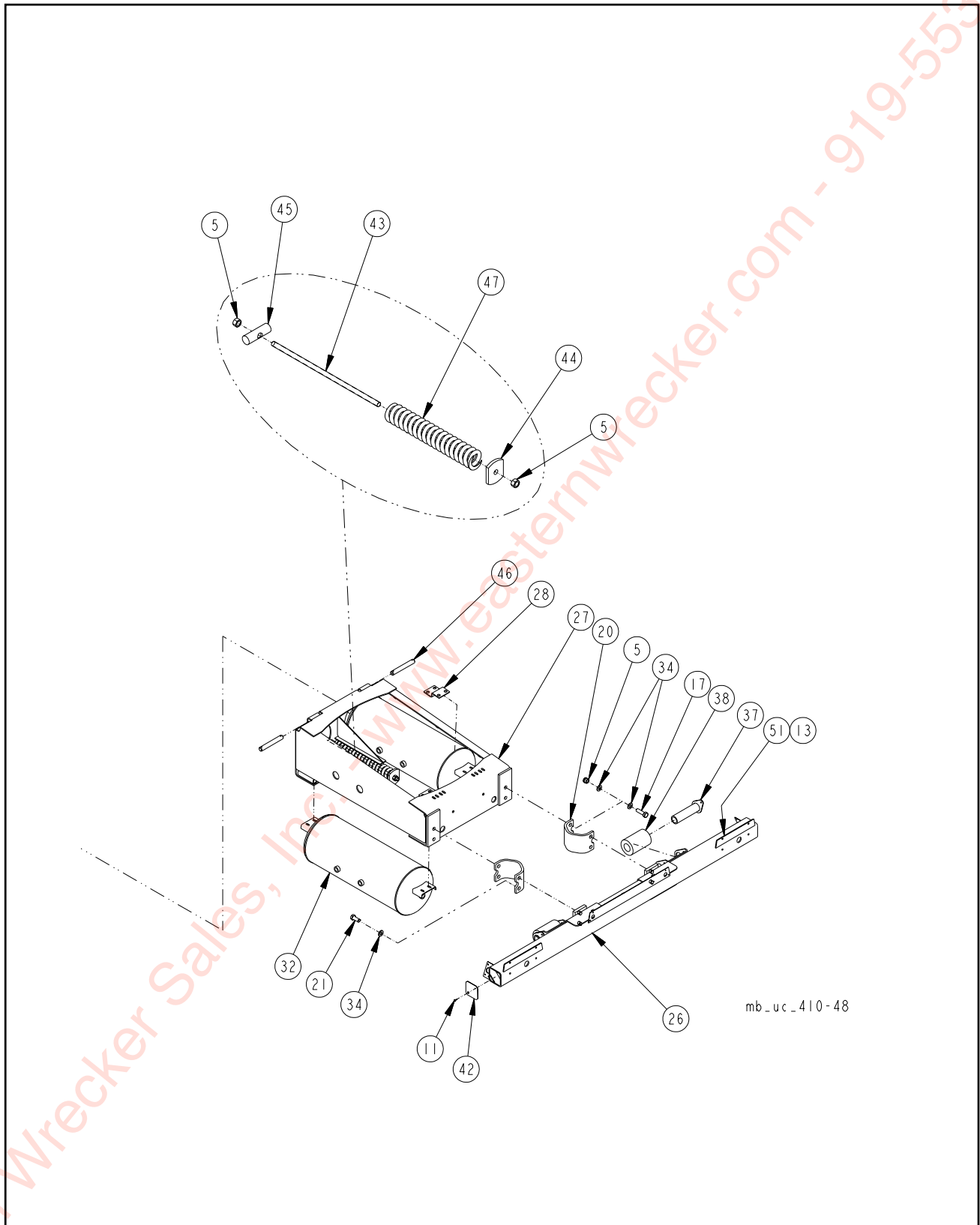


Figure 1-15 U/C Assembly, Air Ride Suspension

(2 of 2)

UNDERCARRIAGE ASSY, AIR RIDE SUSPENSION

ITEM	PART NO.	DESCRIPTION	QTY.
	118939	SUSPENSION 410-41 EURO	
	118940	SUSPENSION 410-48 EURO	
1	1-654-010061-07	SCREW, HEX HEAD CAP 3/4-10 X 2-1/2 GR5	4
2	1-654-010150-05	SCREW, SET SQ. HEAD CUP POINT 5/8 X 2	4
3	1-510-010001	NUT, FLANGE LOCK 3/8-16	20
4	1-511-010001-07	NUT, HEX JAM 5/8-11	4
5	1-512-010002-15	NUT, HEX LOCK 3/4-10 GRC	4
6	1-654-010051-07	SCREW, HEX HEAD CAP 3/8-16 X 1-1/2 GR5	8
7	1-512-010007-05	NUT, HEX 1/4-20 GRB	14
9	6812	HOSE CLAMP (48')	6
10	1-654-010158-1	SCREW, RD HEAD SQ NECK 1/4-20 X 3/4 GR2	14
11	1-656-010003051	SCREW, RD HEAD MACH #10-24X3/4	4
12	1-822-010001	TRIM (NOT SHOWN)	AR
13	1-861-010032-02	WASHER, FLAT #8	10
14	1-861-010032-07	WASHER, FLAT 1/4	14
15	1-861-010032-11	WASHER, FLAT 3/8W	20
16	1-861-010034-09	WASHER, SPLIT LOCK 1/4	14
17	104483	SCREW, HEX HEAD CAP 3/4-10 X 2-1/2 GR8	4
18	105-0214	TY-WRAP (NOT SHOWN)	3
19	105-0228	TY-WRAP (NOT SHOWN)	12
20	107594	MOUNT, BUMPER ENERGY PAK	2
21	108705	SCREW, HEX HEAD CAP 3/4-10 X 1-1/2 GR8	4
22	111021	AIR CONTROL KIT	1
23	116801	ADAPTER 1/4 NPTF TO 1/4 BST	6
24	116804	HEIGHT CONTROL VALVE	1
25	116970	UNDERCARRIAGE WELDMENT (41')	1
	116990	UNDERCARRIAGE WELDMENT (48')	1
26	116982	BUMPER WELDMENT	1
27	116989	BUMPER ARM WELDMENT	1
28	116997	BRACKET AIR TANK REAR	2
29	117345	SUSP. FASTENERS RLU250-3.5 (SEE PAGE 1-33)	3
30	117560	CAM FOLLOWER 5" DIA	4
31	118809	EBS KIT HALDEX 4S/2M (SEE PAGE 1-21)	1
32	118810	FITTINGS AND TANKS KIT (SEE PAGE 1-29)	1
33	1-397-010369324	HOSE ASSEMBLY 3/8 X 324 (48')	REF
34	622-3511-008	WASHER, 3/4 MIL-CARB	8
35	43028	HOSE WRAP 3/8 (NOT SHOWN)	AR
36	3-762-010017	CLAMP, MUD FLAP	2
37	118910	PIN, BUMPER ROLLER	2
38	118911	BUMPER ROLLER, NYLATRON	2
39	118914	HOSE WRAP SPIRAL (NOT SHOWN)	AR
40	118918	AXLE WELDMENT 410 FRONT	1
	118919	AXLE WELDMENT 410 CENTER	1
	118920	AXLE WELDMENT 410 REAR	1
		(FOR BREAKDOWNS, SEE PAGE 1-31)	
41	118943	TRAY, E-CHAIN	2
42	118946	END CAP BUMPER	2
43	118969	ROD, THREADED 3/4-10 X 23	1
44	118976	PLATE, SPRING TENSION	1
45	2-557-010045	FRONT PIN SPRING CLAMP DRILL	1

UNDERCARRIAGE ASSY, AIR RIDE SUSPENSION

ITEM	PART NO .	DESCRIPTION	QTY.
46	2-557-010097	PIN, HINGE	2
47	2-720-010008	SPRING - SPRING CLAMP	1
48	3-485-010001	MUD FLAP, 21"	2
49	3-755-010189	SUPPORT, E-CHAIN 48 LINKS (48') (BEFORE 6-3-2015)	2
	3-755-010189-03	SUPPORT, E-CHAIN 34 LINKS (41') (BEFORE 6-3-2015)	2
	3-755-010189-1	E-CHAIN LINK ASSEMBLY (38-06-075-0) (BEFORE 6-3-2015)	2
	385-06	E-CHAIN CROSSBAR (BEFORE 6-3-2015)	96
	38-01-075	E-CHAIN SIDE PIECE - LH (BEFORE 6-3-2015)	48
	38-02-075	E-CHAIN SIDE PIECE - RH (BEFORE 6-3-2015)	48
	189314	SUPPORT, E-CHAIN SUPPORT (AFTER 6-3-2015)	1
50	3-762-010016	HOLDDOWN UNDERCARRIAGE	4
51	3-181-010034-1	CLAMP CONDUIT STEEL 1/2	2
52	190701	BRACKET WLDMT, E-CHAIN LH (AFTER 6-3-2015)	1
53	190706	BRACKET WLDMT, E-CHAIN RH (AFTER 6-3-2015)	1
54	190700ZP	BRACKET, E-CHAIN LH (AFTER 6-3-2015)	1
55	190705ZP	BRACKET, E-CHAIN RH (AFTER 6-3-2015)	1

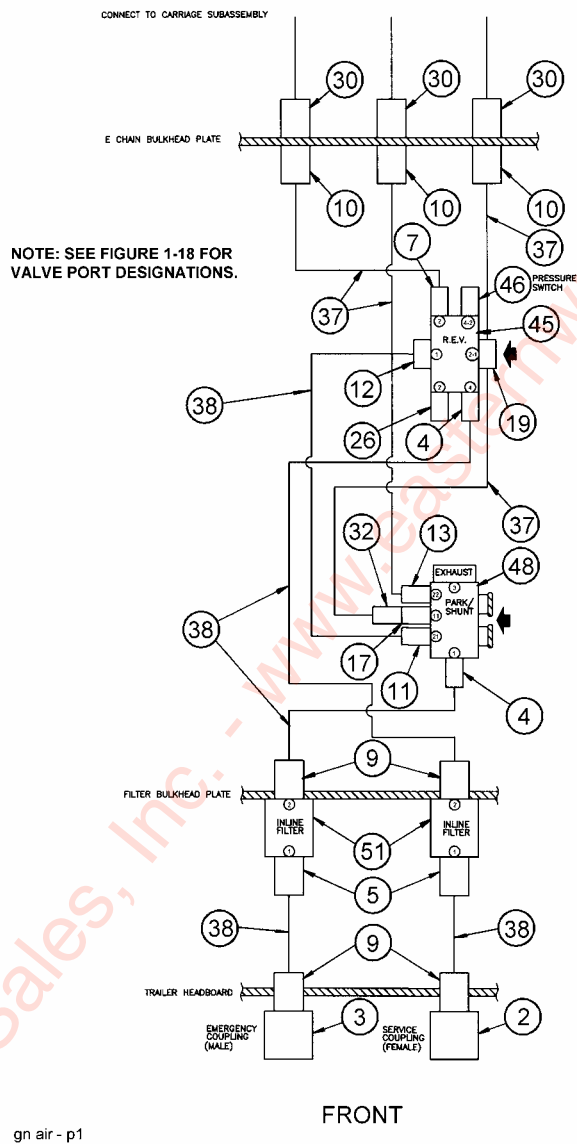


Figure 1-16 Air System - Gooseneck (1 of 3)

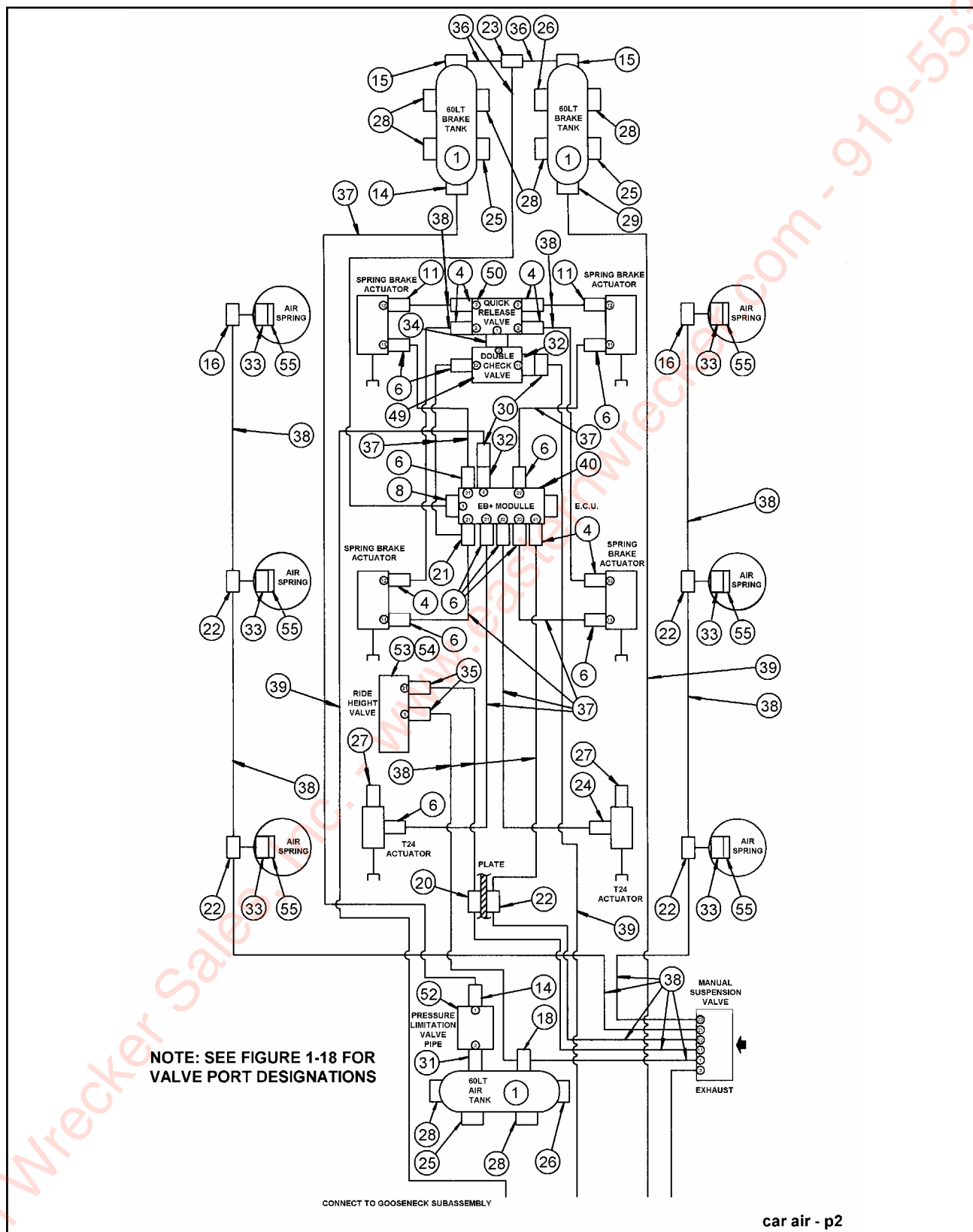


Figure 1-17 Air System - Undercarriage (2 of 3)

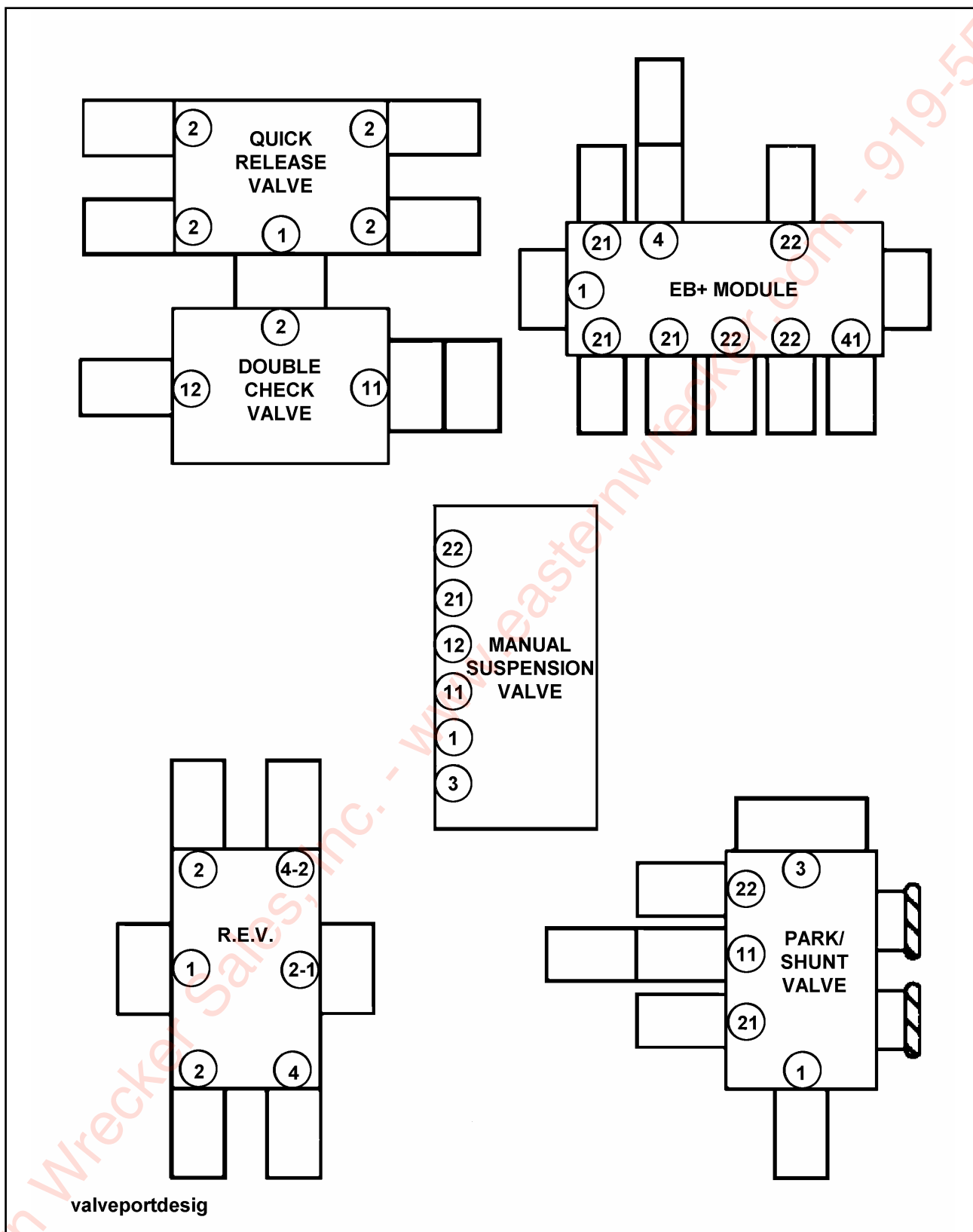


Figure 1-18 Valve Port Designations (3 of 3)

SPRING AIR BRAKE SYSTEM W/ EBS

ITEM	PART NO.	DESCRIPTION	QTY.
	118810	FITTINGS AND TANKS KIT (INCL. ITEMS 1-35)	
1	9962	AIR RESERVOIR END MOUNT	3
2	0110M	FEMALE "C" COUPLING SERVICE M22 W/ VALVE LIFTER	1
3	0101M	MALE "C" COUPLING EMERGENCY M22	1
4	7059	STRAIGHT STUD M16 TO 10MM	9
5	7062	STRAIGHT STUD M22 TO 10MM	2
6	7069	STRAIGHT STUD M16 TO 12MM	11
7	7071	STRAIGHT STUD M22 TO 12MM	1
8	7079	STRAIGHT STUD M22 TO 18MM	1
9	7136	STRAIGHT BULKHEAD STUD M22 TO 10MM	4
10	7148SE	STRAIGHT BULKHEAD STUD M18 TO 12MM	3
11	7170	ELBOW STUD M16 TO 10MM	3
12	7171	ELBOW STUD M22 TO 10MM	1
13	7175	ELBOW STUD M16 TO 12MM	1
14	7176	ELBOW STUD M22 TO 12MM	2
15	7180	ELBOW STUD M22 TO 18MM	2
16	7343	STEM ELBOW ADAPTER 10MM	2
17	7345	STEM ELBOW ADAPTER 12MM	1
18	7221	BRANCH STUD TEE M22 TO 10MM	1
19	7225	BRANCH STUD TEE M22 TO 12MM	1
20	7268	TEE BULKHEAD CONNECTOR M16 TO 10MM	1
21	7249	SIDE STUD TEE M16 TO 12MM	1
22	7368	BRANCH STEM TEE 10MM	5
23	7283	TEE CONNECTOR 18MM	1
24	7385	SIDE STUD TEE TEST POINT M16 TO 12MM	1
25	7629T	DRAIN TAP M22	3
26	7836T	MALE TEST POINT M22	3
27	7622T	BLANKING PLUG M16	2
28	7623T	BLANKING PLUG M22	7
29	7797G	ELBOW STUD HOSE TAIL M22 TO 13MM	1
30	7771G	SWIVEL HOSE TAIL M18 TO 13MM	5
31	7742T	STRAIGHT BULKHEAD ADAPTER M22 TO M22	1
32	7951T	THREAD ADAPTER M16 TO M18	2
33	7877T	THREAD ADAPTER 1/4 PIPE TO M16	6
34	7741T	STRAIGHT BULKHEAD ADAPTER M22 TO M16	1
35	7154	ELBOW STUD 1/8 NPT TO 10MM	2
36	118811	TUBING, NYLON 18MM	AR
37	118812	TUBING, NYLON 12MM	AR
38	118813	TUBING, NYLON 10MM	AR
39	118814	HOSE 13MM	AR
40	810001301	EBS MODULATOR VALVE 4S/2M	1
45	351033001	RELAY EMERGENCY VALVE	1
46	041502309	PRESSURE SWITCH FOR R.E.V.	1
48	352044001	PARK/SHUNT VALVE	1
49	205004001	DOUBLE CHECK VALVE	1
50	356022001	QUICK RELEASE VALVE	1
51	G310005011	INLINE FILTER	2
52	G314012004	PRESSURE LIMITING VALVE	1
53	116804	HEIGHT CONTROL VALVE (NEWAY 905 54 147)	1
54	111021	ADJ. LINKAGE ASSEMBLY NEWAY 481 00 224)	1
55	116801	ADAPTER 1/4 NPTF TO 1/4 BST	6

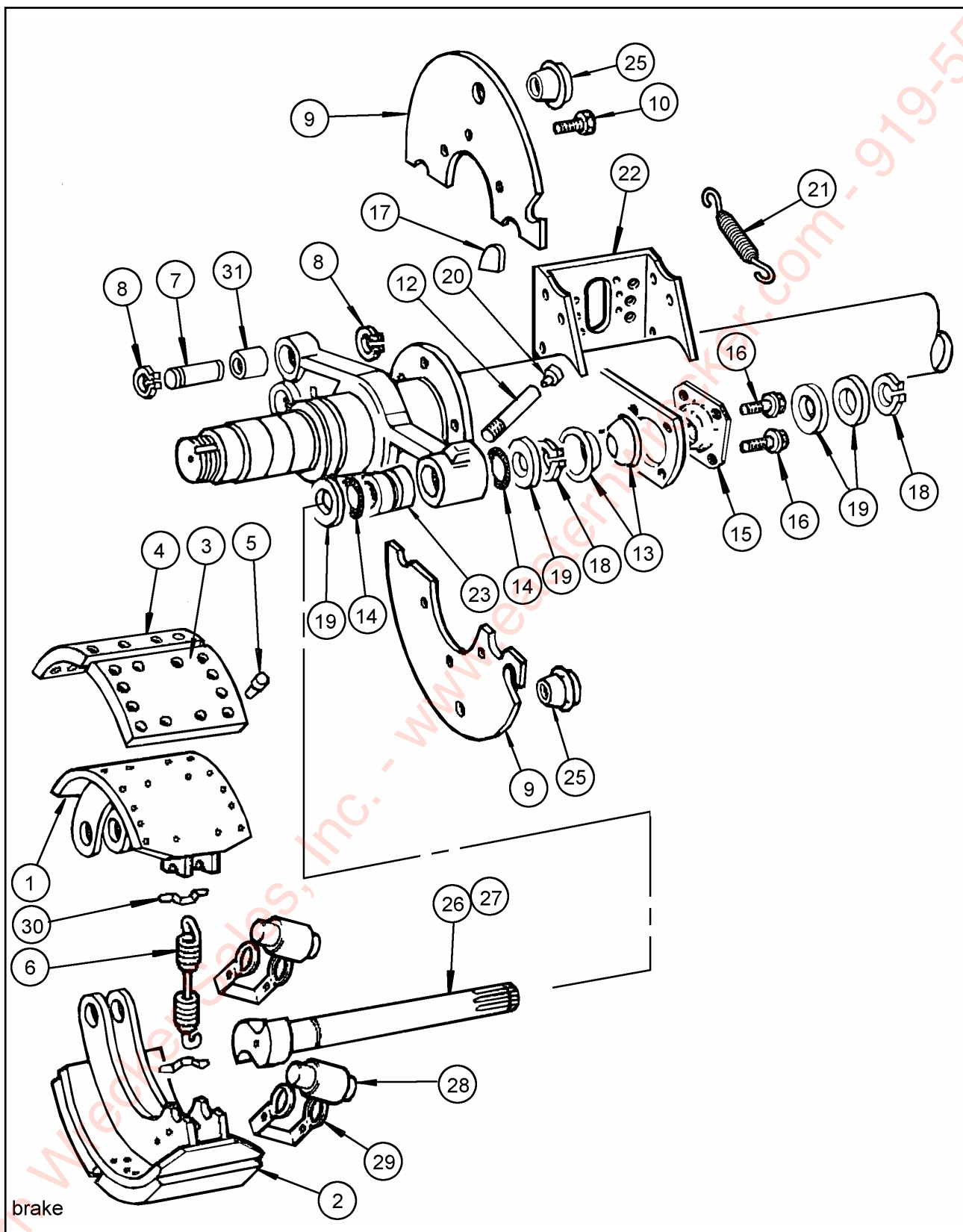
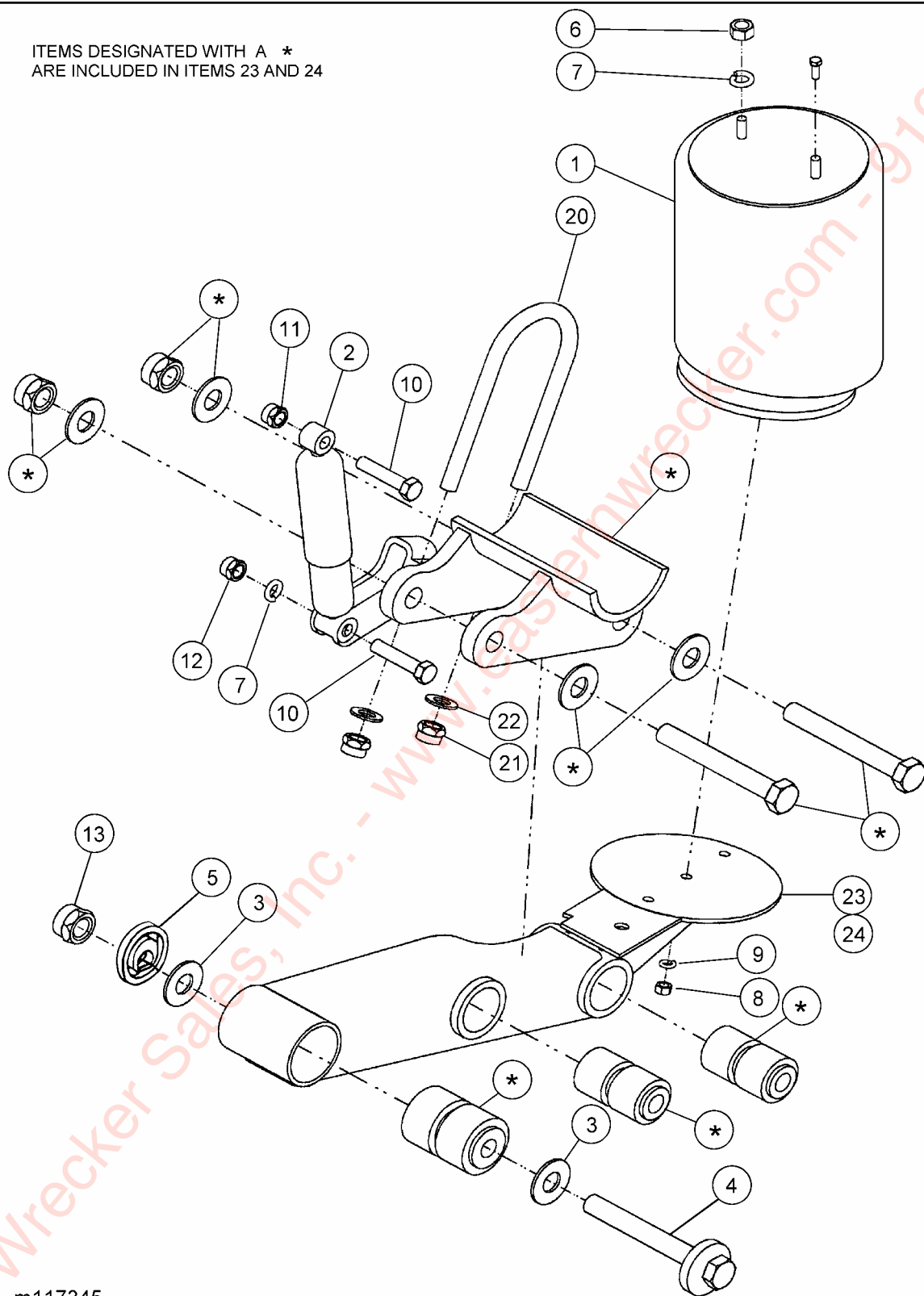


Figure 1-19 Axle and Brake Assembly

AXLE AND BRAKE ITEMS (HENDRICKSON)

ITEM	PART NO.	DESCRIPTION
	118806	AXLE 11 TONNES, NO ABS
	118807	AXLE 11 TONNES ABS
	118808	AXLE 13 TONNES ABS
1	Y506613	UNLINED BRAKE SHOE
2	Y506499	LINED BRAKE - ASBESTOS FREE
3	Y506464	LINING - CAM END ASBSETOS FREE
4	Y506464	LINING ANCHOR END - ASBESTOS FREE
5	Y502245	RIVET
6	Y506498	RETURN SPRING
7	Y501995	ANCHOR PIN
8	Y758525	CIRCLIP
9	Y800060	DUST COVER (PAIR)
10	Y507746/16	SCREW - DUST COVER
11	----	GREASE VALVE
12	Y507327/01	GREASE VALVE EXTENSION
13	Y500686	DUST SEAL
14	Y500375	"O" RING
15	Y800022	SPHERICAL BEARING
16	NF1160	SETSCREW
17	Y800025	GROMMET
18	Y500374	CIRCLIP
19	Y500358	WASHER
20	Y738016/02	GREASE VALVE - STRAIGHT
21	Y786330	PULL OFF SPRING
22	Y506221	AIR CHAMBER BRACKET
23	Y786123	CAMSHAFT BUSH - NYLON
	Y503087	CAMSHAFT BUSH - PHOS BRONZE (OPTION)
24	Y534602	CAMSHAFT BUSH KIT (NYLON)
	Y534603	CAMSHAFT BUSH KIT - PHOS. BRONZE (OPTION)
		(INCLUDES ITEMS 13-16,18-19, 23)
25	Y507471	PLUG - DUST COVER
26	Y504742/01R	CAMSHAFT RH
27	Y504742/01L	CAMSHAFT LH
28	Y800006	CAM ROLLER
29	Y520123	ROLLER RETAINER SPRING
30	Y500372	PIN - RETURN SPRING
31	Y501787	BUSH - ANCHOR PIN
32	NS300654	AUTOMATIC SLACK ADJUSTER (NOT SHOWN)

ITEMS DESIGNATED WITH A *
ARE INCLUDED IN ITEMS 23 AND 24



m117345

Figure 1-20 Suspension Hanger RLU-250

SUSPENSION HANGER RLU-250

ITEM	PART NO.	DESCRIPTION	QTY.
	117345	SUSPENSION, FASTENERS RLU-250-3.5 (INCL ITEMS 1-19)	
	117346	SUSPENSION, BEAM RLU-250-3.5 (INCL ITEMS 20-28)	
1	117347	AIR SPRING ASSEMBLY (RLU-250)	2
2	117348	AIR SPRING ASSEMBLY (RLU-250)	2
3	111010	FLAT WASHER	2
4	111006	ALIGN BUSH ASSEMBLY (CONSISTS OF:)	2
	93201057	ROD BOLT	1
	90008184	ALIGN BLOCK	1
5	111007	ALIGN BLOCK	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	1-816-010034-13	LOCK WASHER, 1/2"	4
10	105408	SCREW, HEX HEAD CAP 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	94100787	LITERATURE INSTRUCTIONS (NOT SHOWN)	1
16	94100685	LITERATURE SPEC (NOT SHOWN)	1
17	94100648	LITERATURE FORM 864 (NOT SHOWN)	1
18	94100590	LITERATURE LABEL (NOT SHOWN)	1
19	94100790	LITERATURE LABEL (NOT SHOWN)	1
	111019	FASTENER KIT (INCL. 3-11, 13, 15)	1
20	111033	U-BOLT 7/8-9 X 11 GR8	2
21	934 00 498	NUT, HEX LOCK 7/8-9	4
22	936 00 162	FLAT WASHER, 7/8	4
23	117349	EQUALIZING BEAM ASSEMBLY LH	1
24	117350	EQUALIZING BEAM ASSEMBLY RH	1
25	94100687	LITERATURE SPEC (NOT SHOWN)	1

NOTE: QUANTITIES LISTED ARE PER AXLE.

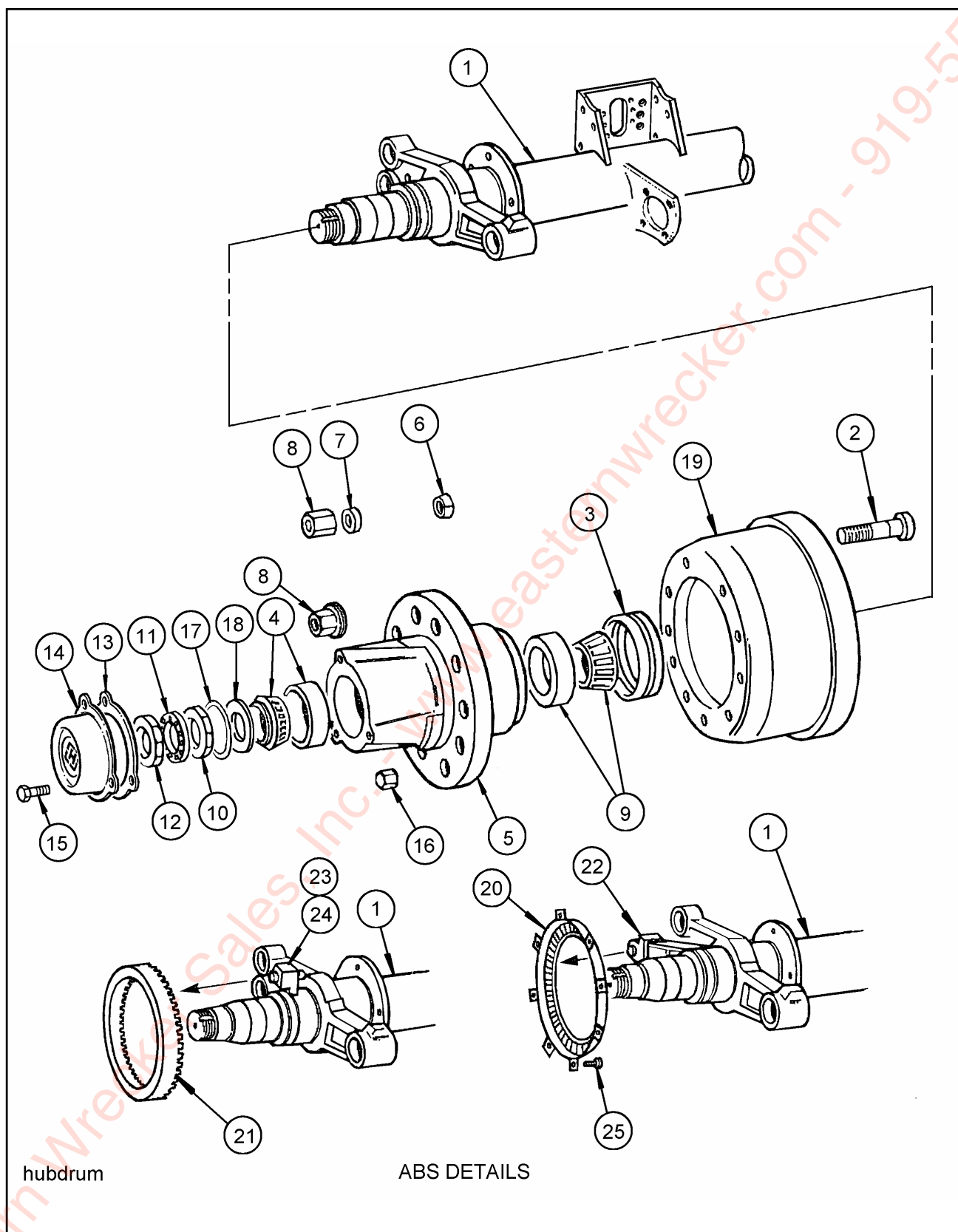


Figure 1-21 Inboard Pilot Mount Hub and Drum

INBOARD PILOT MOUNT HUB AND DRUM

ITEM	PART NO.	DESCRIPTION	QTY.
1	Y786111	AXLE BEAM ASSEMBLY	
2	Y786111	WHEEL BOLT - M22 X 1.5 - TWIN	
	Y786113	WHEEL BOLT - M22 X 1.5 - SINGLE	
3	Y786114	GREASE SEAL	
	Y786118	OIL SEAL	
4	Y786116	ROLLER BEARING - OUTER (65MM)	
5	Y786201	HUB - 10 STUD ISO	
6	Y507873	SPLIT COLLAR - DIN (INNER)(TWIN)	
7	Y786331	SPRING CONE - DIN FIXING ONLY OUTER (SINGLE & TWIN)	
8	Y502917	WHEEL NUT - M22 X 1.5 ISO	
	Y507246	WHEEL NUT - M22 X 1.5 DIN	
9	Y786117	ROLLER BEARING - INNER	
10	Y502461	SPINDLE NUT	
11	Y501123	SPINDLE LOCK WASHER	
12	Y502462	SPINDLE LOCK NUT	
13	Y507228	HUB CAP GASKET - GREASE FILLED AXLE	
14	Y800048	HUB CAP - GREASE FILLED AXLE	
	Y800048/01	HUB CAP - GREASE FILLED AXLE - HUBODOMETER	
	Y507688/O	HUB CAP - OIL FILLED AXLE	
	Y507688/H	HUB CAP - OIL FILLED AXLE - HUBODOMETER	
15	Y507746/16	SCREW (SELF LOCKING) - M8 X 16MM	
16	Y507694	STUD SPACER (ISO ONLY)	
17	Y800150	CIRCLIP	
18	Y800151	RETAINING WASHER	
19	Y506412	DRUM - 10 STUD FOR 17.5" DIA. WHEEL	
	Y507317	DRUM - 10 STUD FOR 19.5" DIA. WHEEL	
20	Y507687	EXCITER RING - MGX AND MDR	
21	Y786279	POLE WHEEL - WABCO 80 TOOTH	
22	Y520180	SENSOR (STRAIGHT) - MGX AND MDR	
23	Y507336	SENSOR C/W SOCKET - WABCO	
24	Y507335	SENSOR BUSH	
25	Y752120/12	BOLT - M6	
26	NS300654	AUTOMATIC SLACK ADJUSTER (NOT SHOWN)	
27	117359	WHEEL PILOT MOUNT 17.5 X 6.75 (10 BOLT) (NOT SHOWN)	
28	118999	VALVE STEM (NOT SHOWN)	
29	1-843-010014	VALVE, EXTENSION, STEM 3" (USED W/ 12-1/4" BRAKES) (NOT SHOWN)	

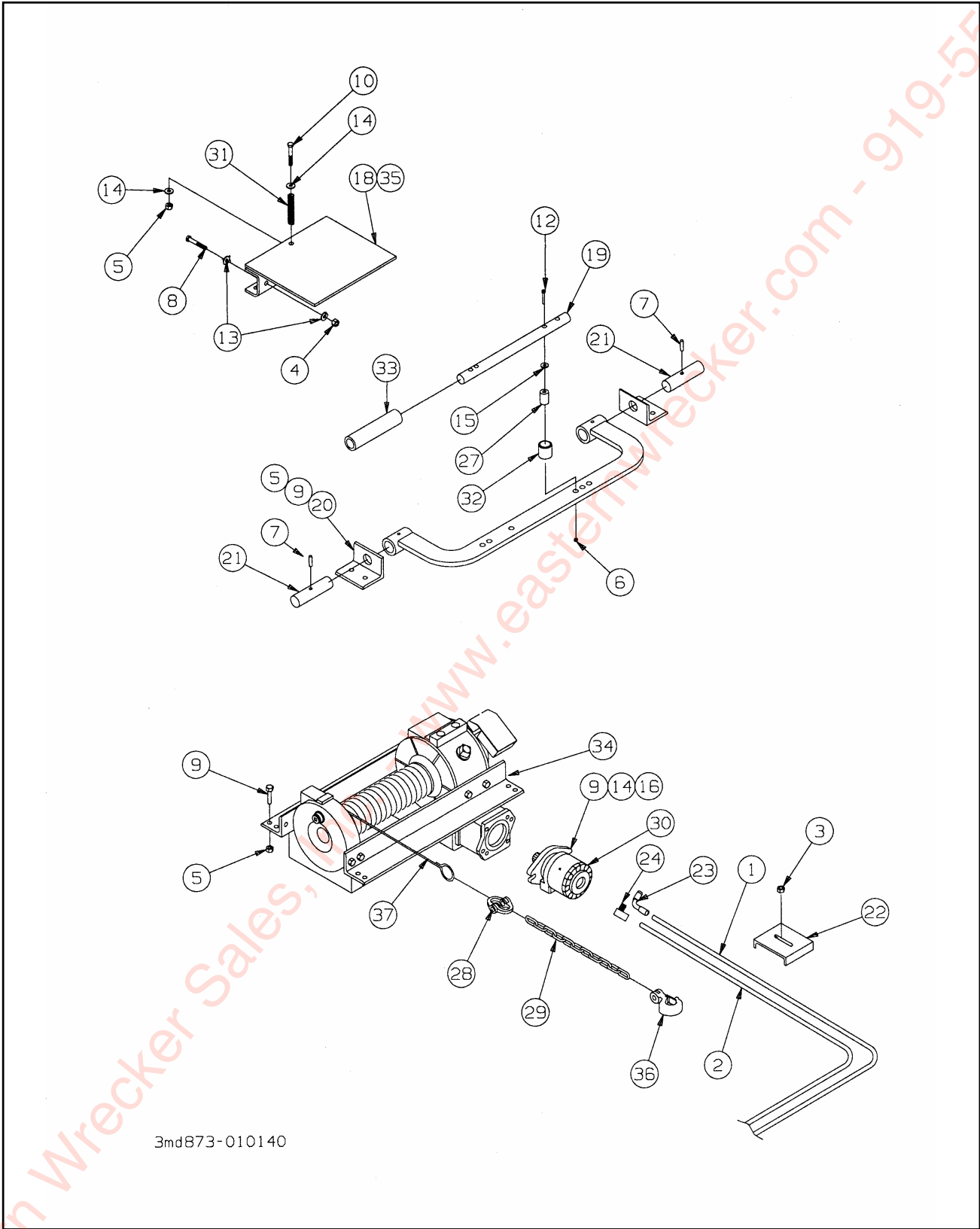


Figure 1-22 Winch Installation

WINCH INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	119624	WINCH INST. 20K SPRING TENSION CABLE ROLLER	
1	1-397-010301170	HOSE ASSEMBLY	1
2	1-397-010302172	HOSE ASSEMBLY	1
3	1-510-0100001	NUT FLANGE LOCK 3/8-16	4
4	1-512-010005-05	NUT, HEX 3/8-16	3
5	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	13
6	1-512-010005-13	NUT HEX LOCK 5/8-11 GR8	2
7	1-647-010004255	PIN, SPRING SLOTTED 2 X 3/8	2
8	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16X1-1/4 GR5	3
9	1-654-010055-04	SCREW, HEX HEAD CAP 1/2-13 X 1-3/4 GR5	14
10	1-654-010055-16	SCREW, HEX HEAD CAP 1/2-13X5-1/2 GR5	1
12	1-654-010059-15	SCREW, HEX HEAD CAP 5/8-11 X 5 GR5	2
13	1-861-010032-10	WASHER, FLAT 3/8N	6
14	1-861-010032-15	WASHER, FLAT 1/2	2
15	1-861-010032-18	WASHER FLAT 5/8N	2
16	1-861-010034-13	WASHER, SPLIT LOCK 1/2	2
17	100600	DECAL, WARNING WINCH (NOT SHOWN)	1
18	102186	WINCH TENSIONER WLDMT	1
19	102188	ROD, PIVOTING GUIDE	1
20	119621	ANCHOR CABLE GUIDE WINCH	2
21	119622	PIN, PIVOT WINCH ROLLER	2
22	2-181-010001	HOSE CLAMP	4
23	202702-10-8S	ADAPTER	1
24	2062-10-8S	ADAPTER 90	1
25	3-125-010464	BRACKET WLDMT WINCH ROLLER (NOT SHOWN)	1
27	3-150-010196	BUSHING, ROD ROLLER-600	2
28	3-174-010038	LINK	1
29	3-174-010039036	CHAIN	1
30	3-481-010007	MOTOR HYD. (SEE PAGE 1-38)	1
31	3-720-010010	SPRING COMP LEVEL WIND	1
32	3-831-010172	TUBE, WINCH ROLLER SIDE	2
33	3-831-010182	TUBE, ROLLER TOP - 600	1
34	3-873-010123	WINCH ASSY 20K (SEE PAGE 1-40)	1
36	7HCGHT500	HOOK	1
37	3-155-010018-6	CABLE 85' W/ LOOP	1

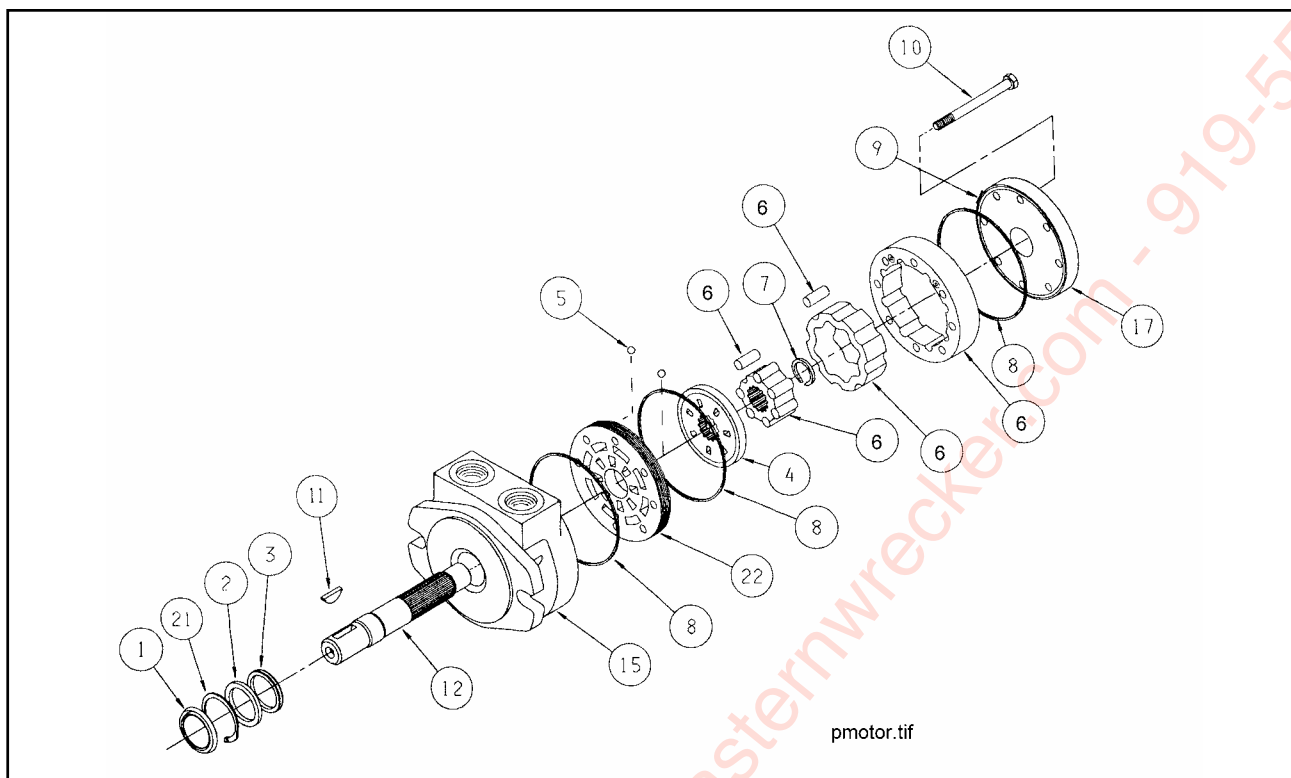


Figure 1-23 Winch Motor Assembly

WINCH MOTOR ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
	3-481-010007	MOTOR HYDRAULIC	1
1	2183	SEAL DUST	1
2	2177	BACK-UP RING	1
3	2175	SEAL LIP	1
4	1644	ROTARY VALVE	1
5	1021	CHECK VALVE BALL	2
6	1004-6	IGR ASSY (20K WINCH)	1
7	1296	SNAP RING	1
8	1046	SQUARE RING SEAL	3
9	1019-4	PLUG VENT W/O-RING	1
10	1014-4	BOLTS HEX	8
11	1655	KEY WOODRUFF	1
12	2265-6	SHAFT	1
15	M110AB-4	BODY/BEARING ASSY	1
17	M110C-1	COVER/BEARING ASSY	1
21	2180	SNAP RING SHAFT	1
22	1865	COMMUTATOR PLATE	1
23	2263	SEAL KIT BODY	1
	2480	SEAL KIT BODY VITON	1

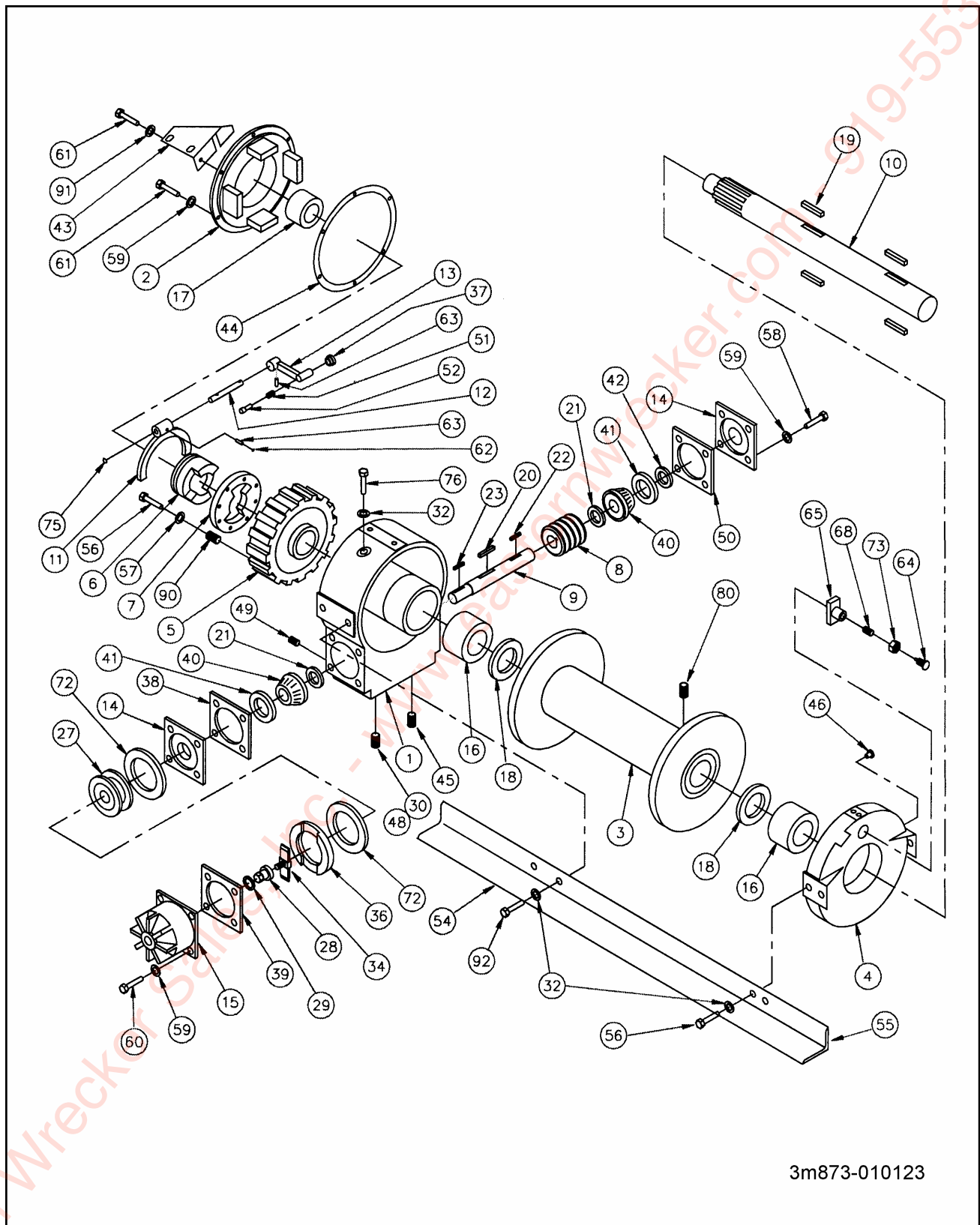


Figure 1-24 20,000# Winch Items

20,000# WINCH ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.
	3-873-010123	WINCH 20,000# W/BOLT-ON ANGLES	
1	81078	WORM HOUSING ASSEMBLY	1
2	81082	COVER ASSEMBLY WORM HOUSING	1
3	11449	DRUM CABLE	1
4	81077	LEG ASSEMBLY BEARING	1
5	11434	WORM GEAR RIGHT	1
6	11421	CLUTCH SLIDING	1
7	11419	DRIVE CLUTCH	1
8	11404	WORM RIGHT	1
9	11405	SHAFT WORM	1
10	11414	SHAFT CABLE DRUM	1
11	11440	FORK SHIFTER	1
12	11441	SHAFT SHIFTER	1
13	11442	HANDLE SHIFTER	1
14	11427	CONTAINER BEARING	2
15	11445	COVER WORM BRAKE	1
16	18035	BUSHING	2
17	11425	BUSHING	1
18	11420	RING RETAINING	2
19	22055	DRUM KEY CABLE	4
20	11402	KEY WORM	1
21	11407	SPACER WORM	2
22	23367	KEY SPROCKET	1
23	10078	KEY ROTOR	1
27	81080	ROTOR ASSEMBLY BRAKE	1
28	11599	ADJUSTING NUT WORM BRAKE	1
29	12465	O-RING	1
30	19014	PLUG FILLER	1
32	11026	WASHER LOCK	10
34	81081	SPRING ASSEMBLY SAFETY BRAKE	1
36	11431	PLATE PRESSURE	1
37	18022	KNOB SHIFTER	1
38	11429	GASKET	4
39	11446	GASKET	2
40	18033	BEARING CONE	2
41	18034	BEARING CUP	2
42	12073	SEAL GREASE	1
43	12783	BRACKET SHIFTER	1
44	11411	COVER GASKET HOUSING	1
45	19045	PLUG DRAIN	1
46	18047	FITTING GREASE	1
48	22775	PLUG VENT	1
49	18009	PLUG LEVEL	1
50	11430	GASKET	4
51	11310	SPRING SHIFTER KNOB	1
52	11309	STEM SHIFTER KNOB	1
54	28942	ANGLE FRONT BASE	1
55	28943	ANGLE REAR BASE	1
56	13938	CAPSCREW	16
57	12781	WASHER LOCK	8

20,000# WINCH ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.
59	11025	WASHER LOCK	3
60	22695	CAPSCREW	4
61	21964	CAPSCREW	6
62	12146	PLUG EXPANSION	A/R
63	13028	ROLLPIN	A/R
64	11398	SCREW ADJUSTING	1
65	88005	SHOE ASSEMBLY DRAG BRAKE	1
68	18002	SHOE ASSEMBLY DRAG BRAKE	1
72	11426	DISC FRICTION	2
73	11791	NUT JAM	1
75	12767	PLUG EXPANSION	A/R
76	22729	CAPSCREW	2
77	23245	SAE PLATE -AMU7-16F	1
78	23310	PLATE WARNING	1
79	11842	SCREW DRIVE	4
80	12228	SCREW SET	1
90	11435	INSERT THREAD	8
91	11014	LOCKWASHER	1
92	22697	CAPSCREW	5

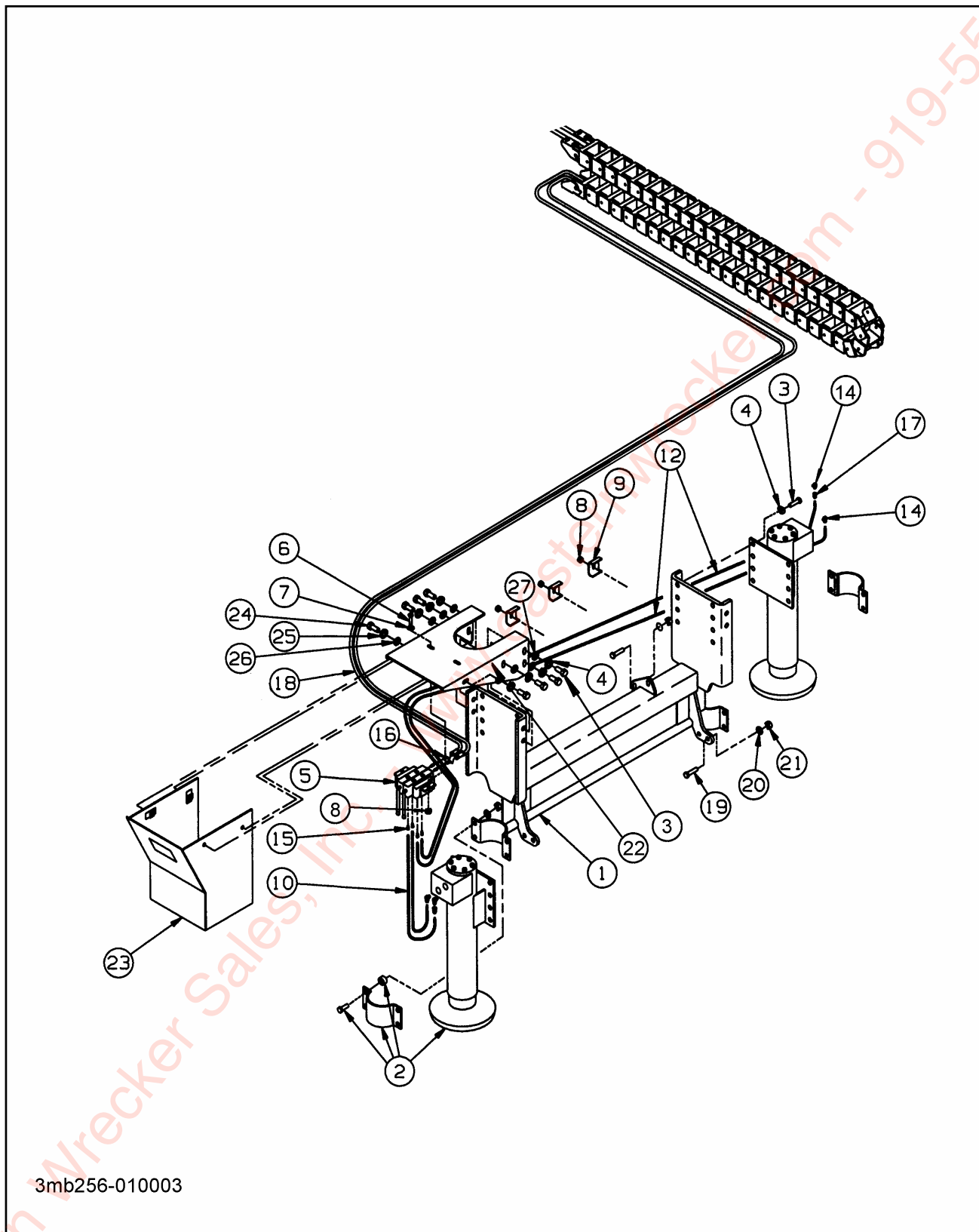
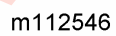


Figure 1-25 Dock Leveler, 60K

DOCK LEVELER 60K

ITEM	PART NO.	DESCRIPTION	QTY.
	3-256-010003-02	DOCK LEVEL ASSEMBLY 660 HD S/R (ITEMS 1-28)	
1	3-482-010472	MOUNT WLDMT DOCK LEVEL 660-60K	1
2	3-242-010205	CYL HYD 4X15 (W/ COLLAR)(SEE PG 1-47)	2
3	1-654-010059-01	SCREW HEX HEAD CAP 5/8-11X1 GR5	24
4	1-861-010034-15	WASHER SPLIT LOCK 5/8	24
5	3-846-010056	VALVE DOUBLE SPOOL (SEE PAGE 1-49)	1
6	1-654-010051-05	SCREW HEX HEAD CAP 3/8-16X1 GR5	2
7	1-861-010032-11	WASHER FLAT 3/8	2
8	1-510-010001	NUT FLANGE LOCK 3/8-16 GRB	5
9	2-181-010001	CLAMP HOSE	3
10	1-397-010262-4	HOSE ASSEMBLY	2
12	1-397-010262-3	HOSE ASSEMBLY	2
14	2062-6-4S	ADAPTER 90	4
15	202702-6-4S	ADAPTER STR #6	6
16	1-007-010041-1	ADAPTER HYDR 45°	2
17	1-007-010058	ADAPTER 90° 3/8 ELBOW W/ RESTR	2
18	1-397-010262-5	HOSE ASSEMBLY	2
	1-397-010262252	HOSE ASSEMBLY	-
19	1-654-010055-03	SCREW HEX HEAD CAP 1/2-13X1-1/2 GR5	8
20	1-861-010032-14	WASHER FLAT 1/2N	8
21	1-512-010005-09	NUT HEX LOCK 1/2-13 GRB	8
22	3-120-010351	BRACKET BOLT ON DOCK LEVEL	1
23	3-681-010098	SHIELD D/L VALVE R22.5	1
24	1-654-010055-02	SCREW HEX HEAD CAP 1/2-13 X 1-1/4 GR5	4
25	1-861-010034-13	WASHER SPLIT LOCK 1/2	4
26	1-861-010032-15	WASHER FLAT 1/2	4
27	1-861-010032-18	WASHER FLAT 5/8	4



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DOCK LEVELER HYDRAULIC INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	112546	D/L HYDR. INST. 48' REAR (ITEMS 1-3, 8-23, 25)	
1	2062-12-12S	ADAPTER 90°	2
2	1-397-010304025	HOSE ASSEMBLY	1
3	111696	VALVE HYD SELECTOR 3-WAY	1
8	2062-12-8S	ADAPTER 90°	1
9	102-1097	37 FLARE BULKHEAD/ 37 FLARE	2
10	1-397-010301028	HOSE ASSEMBLY	1
11	2062-8-8S	ADAPTER 90°	1
12	1-626-010002	REGULATOR FLOW 1/2 BYPASS ONLY	1
13	1-654-010049-11	SCREW HEX HEAD CAP 5/16-18X2-1/2	2
14	1-397-010309296	HOSE ASSEMBLY 3/8X296 (48')	1
15	202702-8-6S	ADAPTER STRAIGHT	1
16	1-397-010307296	HOSE ASSEMBLY 3/8X296 (48')	1
17	1-397-010306028	HOSE ASSEMBLY 1/2X28	1
18	203102-12-12S	ADAPTER TEE	1
19	203003-8-8S	ADAPTER TEE	1
22	3-201-010002	CONDUIT FLEX PLASTIC 3/8 (NOT SHOWN)	3
23	1-796-010003-02	TIE, STRAP PLASTIC (NOT SHOWN)	14
25	3-573-010202	DECAL, DANGER OP D/L (REAR) (NOT SHOWN)	1
32	111024	SCREW, BUTTON HEAD CAP M6 X 14MM	4
33	1-861-010032-07	WASHER, FLAT 1/4	4
34	1-861-010034-09	WASHER, SPLIT LOCK 1/4	4

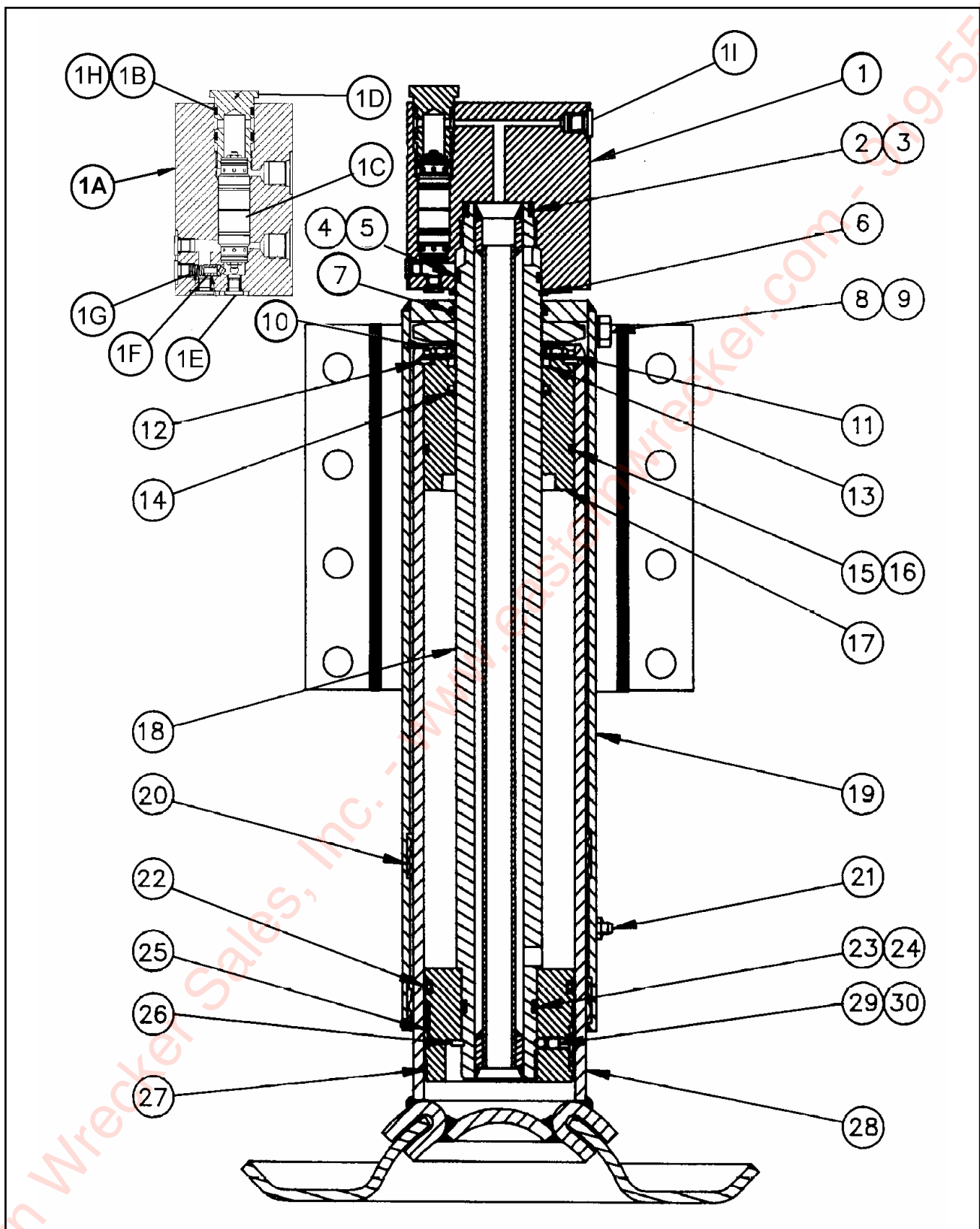


Figure 1-27 Dock Leveler Leg Assembly w/ Lock Valve

LEG ITEMS, DOCK LEVELER W/ LOCK VALVE

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010205	COMPLETE ASSY LEG CYL(60,000# CAP. 4.00" BORE)	
1	300092	4:1 LOCK VALVE ASSY	1
1A	300093	4:1 LOCK VALVE BODY	1
1B	01-1006	O-RING	2
1C	300427	PILOT OPERATED CHECK VALVE	2
1D	300022	RETAINING PLUG	1
1E	07-1061	HEX PLUG HOLLOW #02 SAE	5
1F	300003	POPPET	1
1G	31-1016	SPRING	1
1H	05-1009	BACK-UP WASHER	2
1I	07-1201	HEX PLUG HOLLOW #04 SAE	1
2	NSS*, **	O-RING	1
3	NSS*, **	BACK-UP WASHER	2
4	NSS*, **	O-RING	1
5	NSS*, **	BACK-UP WASHER	1
6	NSS**	SNAP RING 2" ROD	1
7	NSS**	O-RING	1
8	15-1021	SCREW HEX HEAD CAP	1
9	16-1002	LOCK WASHER	1
10	15-1012	SCREW HEX HEAD CAP	4
11	100279	CYLINDER HEAD RETAINER	1
12	NSS**	RETAINING RING	1
13	NSS**	OIL SEAL	1
14	NSS**	ROD SEAL	1
15	NSS**	O-RING	1
16	NSS**	BACK-UP WASHER	1
17	100276	CYLINDER HEAD	1
18	***	PISTON ROD	1
19	***	WELL TUBE	1
20	NSS**	WEAR RING	2
21	10-1001	GREASE FITTING	1
22	NSS**	PISTON SEAL	1
23	NSS**	O-RING	1
24	NSS**	BACK-UP WASHER	2
25	NSS**	WEAR RING	1
26	17-1003	SNAP RING	1
27	***	PISTON	1
28	***	CYLINDER TUBE	1
29	NSS**	NYLON BALL	1
30	NSS**	SET SCREW	1
31	100348	SPLIT COLLAR ASSY (60,000 LB.)(NOT SHOWN)	1
	100140	SPLIT COLLAR HALF (60,000 LB.)	2
	101449	LEG COLLAR MOUNTING KIT(INCL. THE FOLLOWING:)	1
	15-1024	SCREW, HEX HEAD CAP 1/2-20 X 2 GR5	4
	15-1025	NUT, HEX LOCK 1/2-20	4
	101129-1	SPACER, SPLIT COLLAR	4

* - ITEMS ARE CONTAINED IN THE LOCK VALVE REPAIR KIT 300085 (NSS).

** - ITEMS ARE CONTAINED IN LEG REPAIR KIT 100422 (4.00" BORE) (NSS).

*** STATE MODEL NUMBER AND PART DESCRIPTION WHEN ORDERING.

NSS: NOT SOLD SEPARATELY.

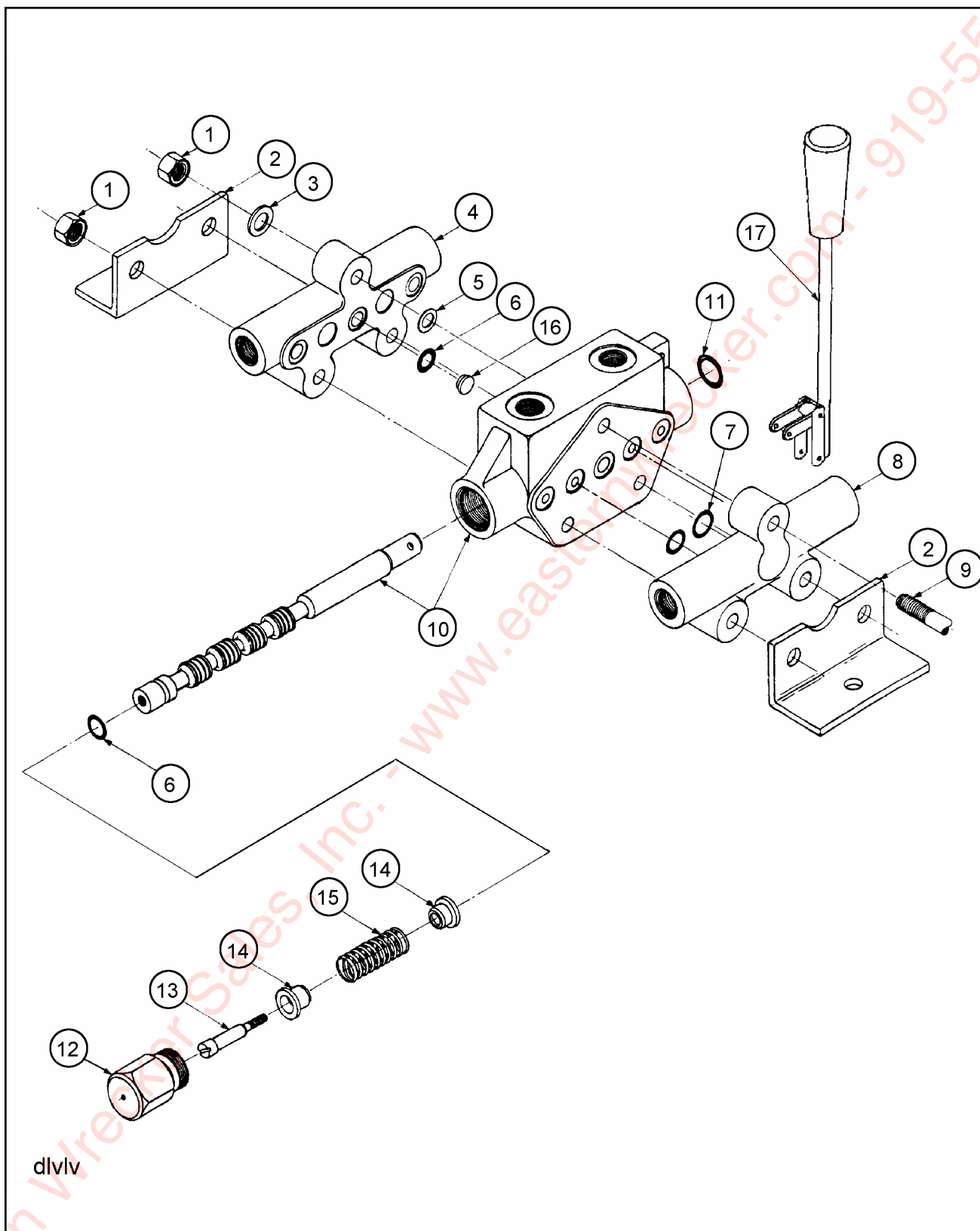


Figure 1-28 Dock Leveler Valve

DOCK LEVELER VALVE

ITEM	PART NO.	DESCRIPTION	QTY.
	3-846-010056	DOUBLE SPOOL STACK VALVE-PARALLEL	1
1	1005013	NUT	3
2	4014240	MOUNTING BRACKET	2
3	1008008	WASHER	2
4	6402000	OUTLET SECTION (INCLUDES SEALS)	1
	6029521	OUTLET SEAL KIT	
5	4023150	MYLAR SHIM (BETWEEN SECTIONS)	3
6	0101012	O-RING	1
7	0101013	O-RING	10
8	6401003	INLET SECTION (INCLUDES SEALS)	1
	6009250	INLET SEAL KIT	
9	4023774	TIE ROD	3
10	6400000	VALVE SECTION	2
	6029520	VALVE SECTION SEAL KIT (INCLUDES ITEMS 5, 6, 7, & 11)	6
11	0101112	O-RING	2
12	4010500	SPRING CAP	2
13	4010520	SPRING SHAFT	2
14	4010530	SPRING GUIDE	4
15	—	SPRING	2
16	4011702	CLOSED CENTER PLUG	1
17	6405000	HANDLE KIT	2
	6404002	BANKING KIT (INCLUDES ITEMS 1, 2, 3, & 9)	2

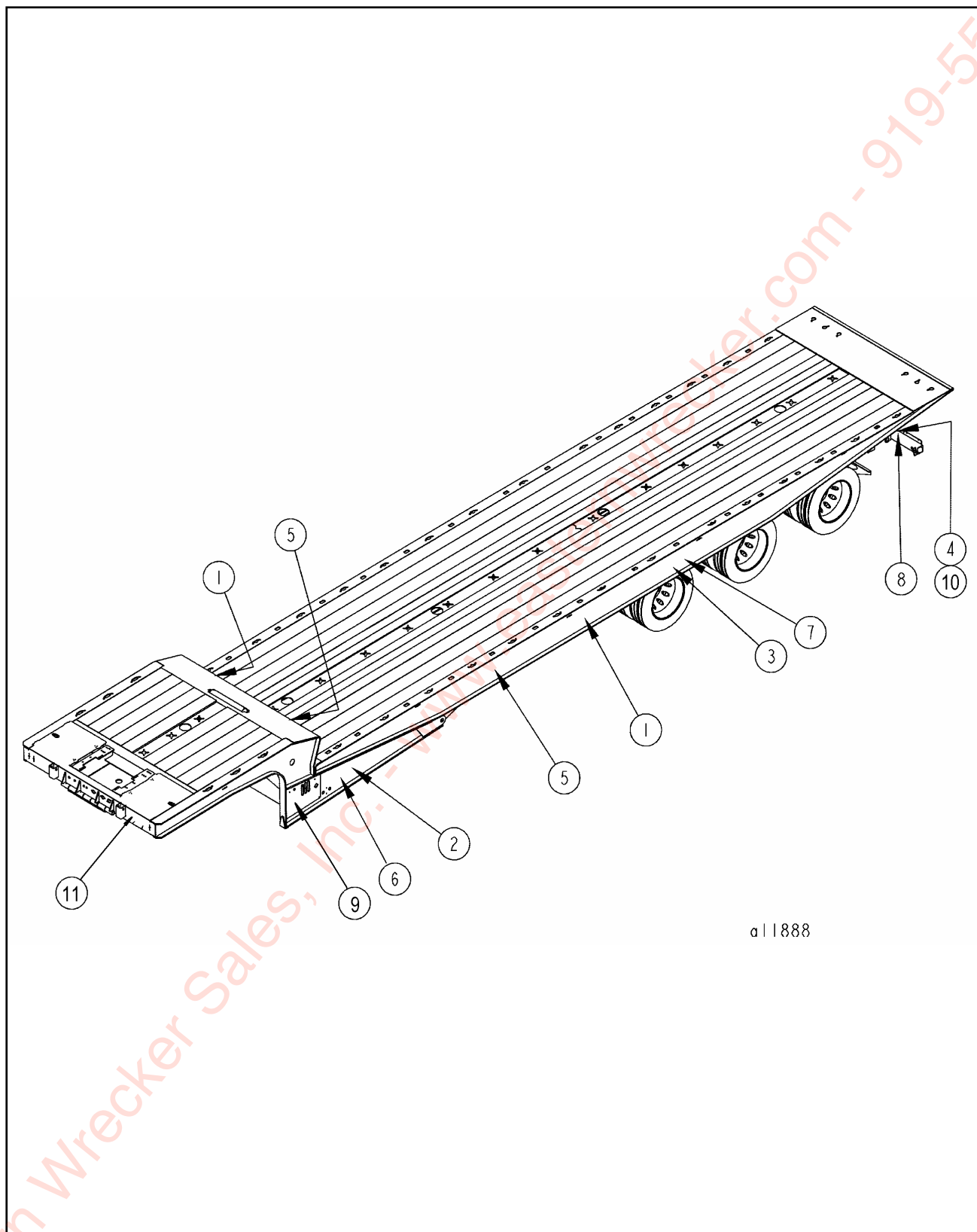


Figure 1-29 Decal Placement

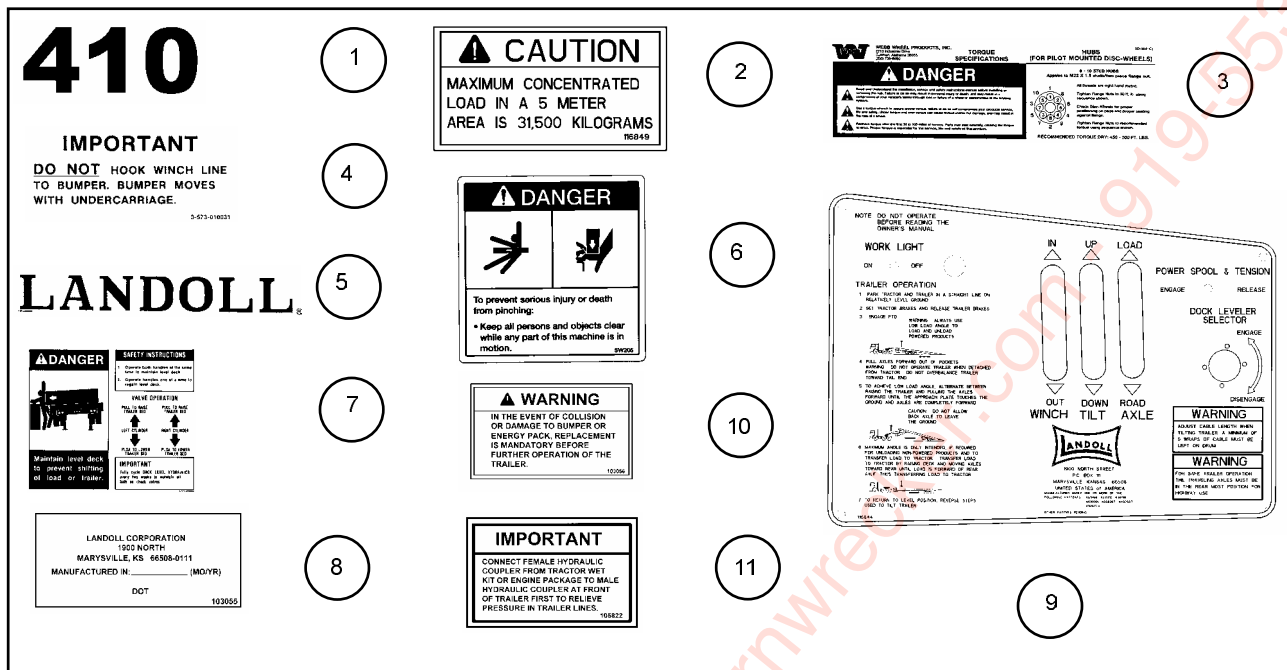


Figure 1-30 Decals

DECAL INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	118950	DECAL PLACEMENT 410 EURO WHITE	
	118958	DECAL PLACEMENT 410 EURO BLACK	
1	116850	DECAL 410 WHITE DC 5"	2
	118804	DECAL 410 BLACK DC 5"	2
2	116849	DECAL CAUTION 31KG/5M	2
3	3-573-010210	DECAL TORQUE SPEC 8-10 STUD HUB	1
4	3-573-010031	DECAL BUMPER	1
5	3-573-010048	DECAL LANDOLL BLACK	3
	3-573-010049	DECAL LANDOLL WHITE	3
6	3-573-010335	DECAL DANGER PINCH	2
7	3-573-010202	PLACARD, DANGER/OPERATION DOCK LEVELER	1
8	103055	DECAL, ENERGY CERTIFICATION	1
9	116844	PLACARD, CONTROL PANEL	1
10	103056	DECAL, ENERGY BUMPER WARNING	1
11	105822	DECAL, HYD COUPLER	1

* If trailer is repainted or if decals become illegible, order new ones from the factory and replace.

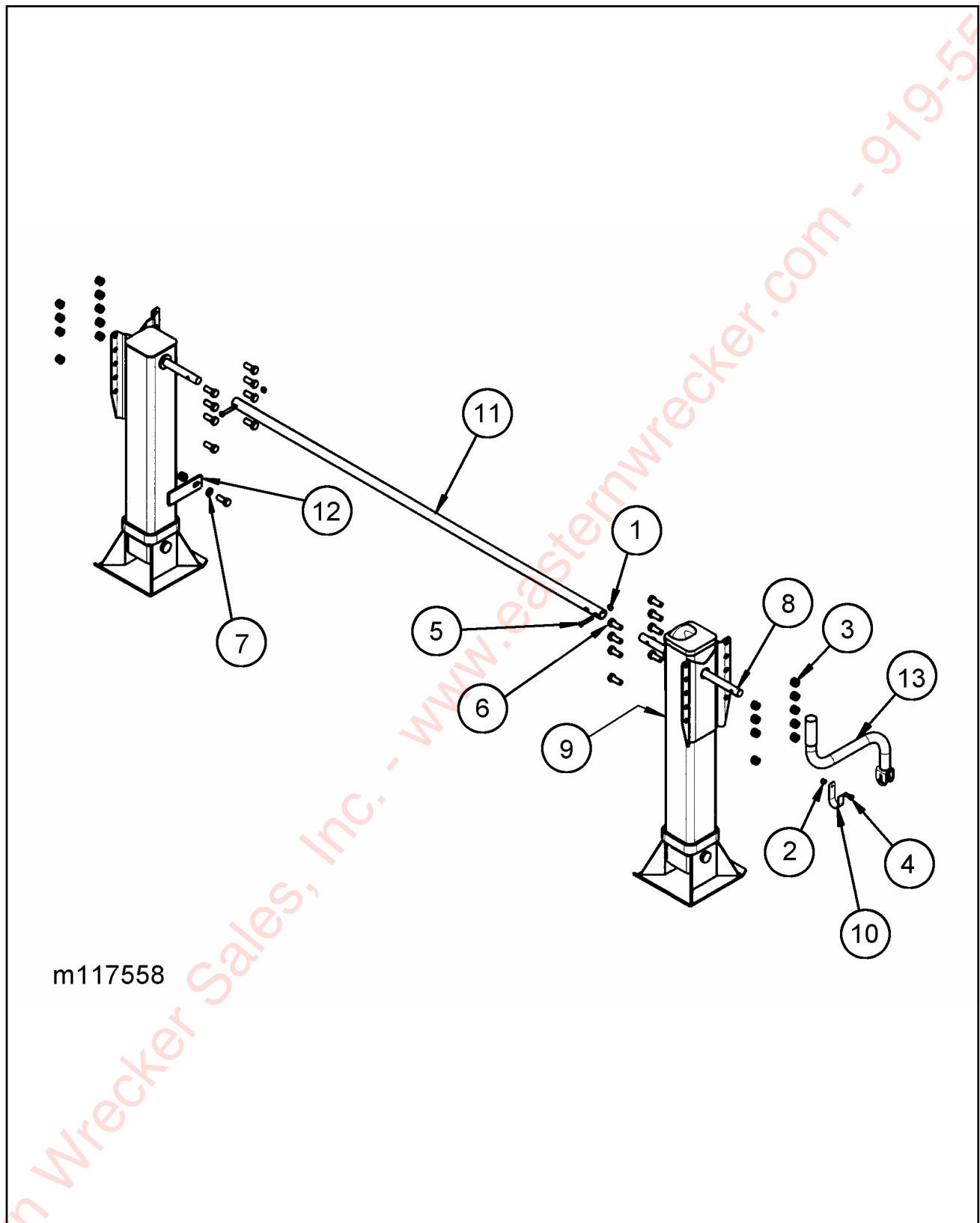


Figure 1-31 Landing Gear Installation

LANDING GEAR INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	117558	LANDING GEAR INSTALLATION	
1	1-510-010003-05	NUT, FLANGE HD SERR. 3/8-16	2
2	1-512-010005-05	NUT, HEX LOCK 3/8-16	1
3	1-512-010005-13	NUT, HEX LOCK 5/8-11	20
4	1-654-010051-05	SCREW, HEX HEAD CAP 3/8-16 X 1 GR5	1
5	1-654-010051-09	SCREW, HEX HEAD CAP 3/8-16 X 2 GR5	2
6	1-654-010059-03	SCREW, HEX HEAD CAP 5/8-11 X 1-1/2 GR5	20
7	1-861-010032-14	WASHER, FLAT 1/2N	2
8	116800	LANDING GEAR 2 SPEED JOST (SEE PAGE 1-55)	1
9	117554	PLATE, CYL CON LOWER	2
10	117559	CLIP, LDG GEAR HANDLE	1
11	117561	CROSS SHAFT LANDING GEAR	1
12	117563	ANCHOR, PARK STAND LOWER	2
13	119949	HANDLE, CRANK 2 SPEED LDG GR	1

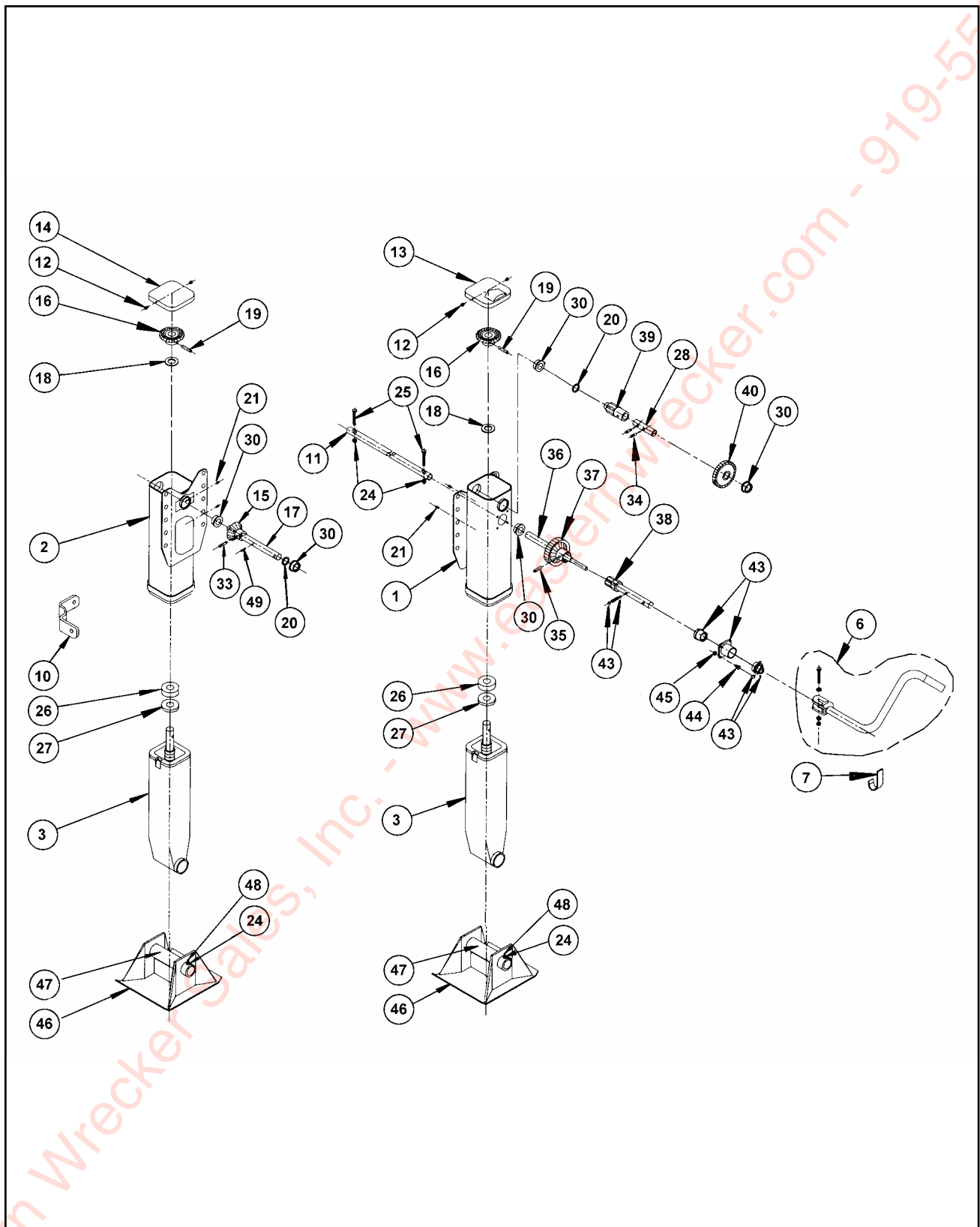


Figure 1-32 Crank Landing Gear

CRANK LANDING GEAR

ITEM	PART NO.	DESCRIPTION	QTY.
	116800	LANDING GEAR (JOST #A401T19)	
1	D10201.3	OUTER HOUSING - 2 SPEED	1
2	D10116.3	OUTER HOUSING - 1 SPEED	1
3	C10140.3	INNER LEG ASSEMBLY - STANDARD	2
6	109161	CRANK 930 MODIFICATION	1
7	109711	CRANK HANGER	1
10	109712	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	B10229.S	SHIFT HOUSING SERVICE KIT	1
44	A10230	SHIFT HOUSING BOLT	4
45	A10038.6	SELF LOCKING NUT	4
46	C10256	SHOE - 10 X 10 X 4-1/2	2
47	B10036	SHOE AXLE	2
48	A10037.3	HEX HEAD BOLT	2
49	A10054.6	ROLL PIN - 1/4 X 1-1/4	1

NOTES:

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