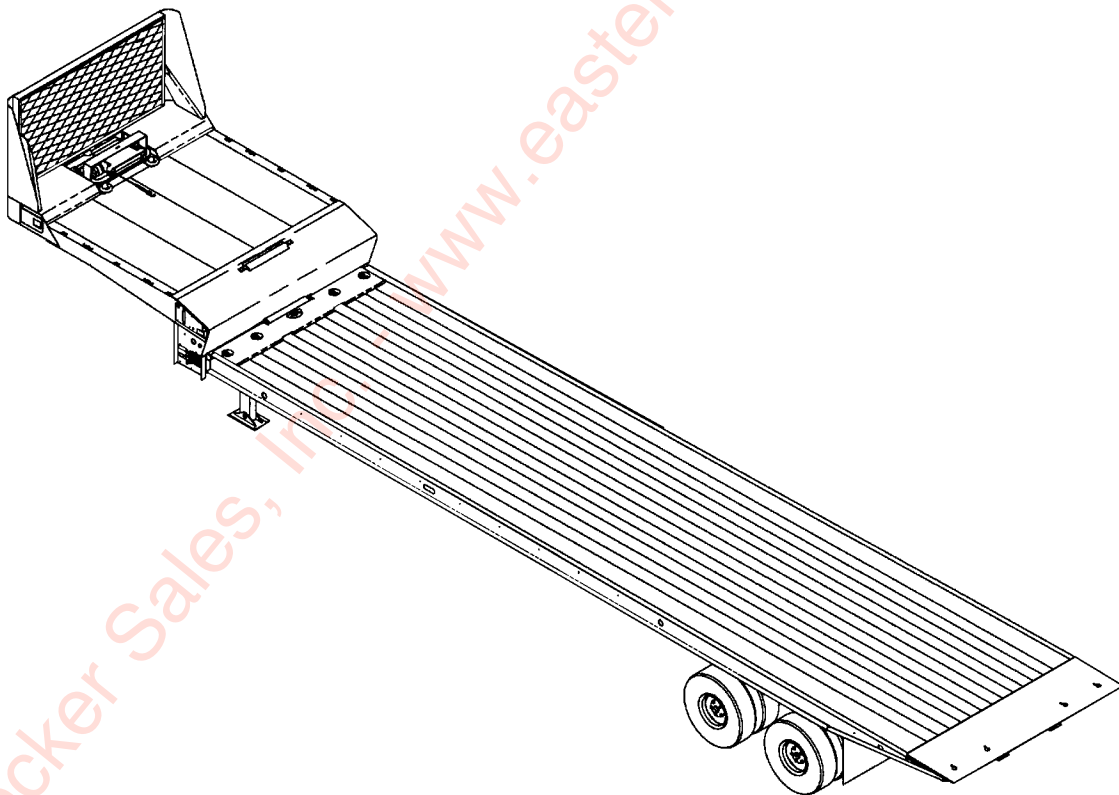




MODEL 600A SERIES SEMITRAILER PARTS LIST



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

ILLUSTRATED PARTS LIST

1

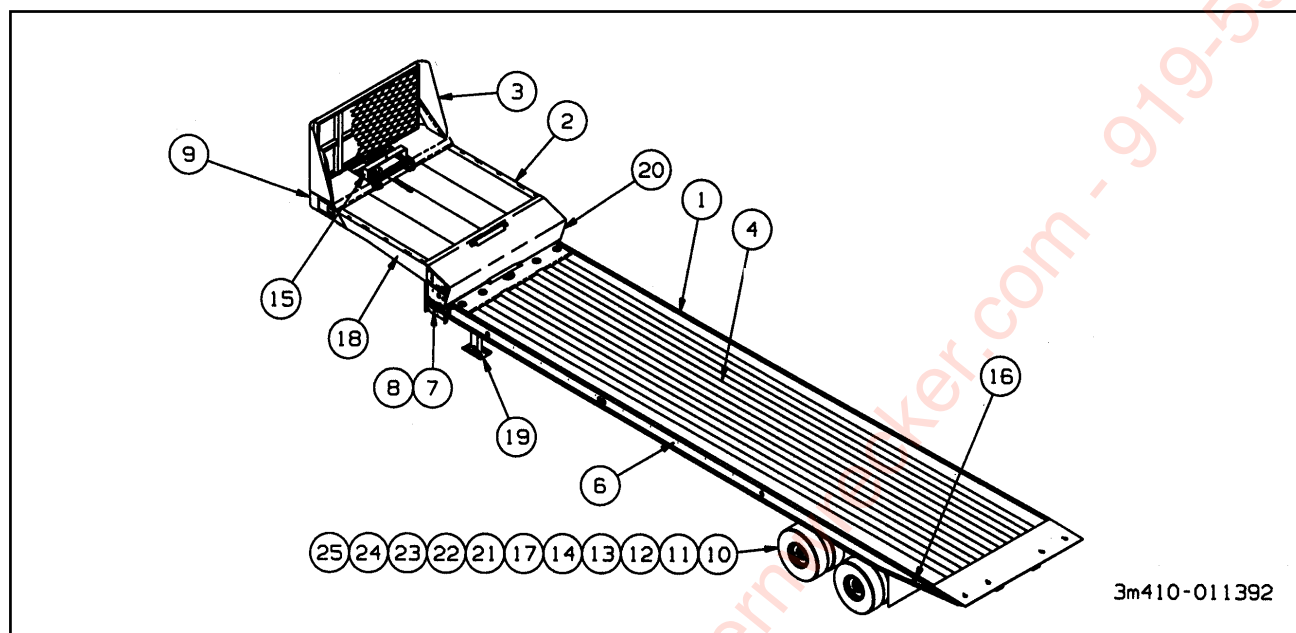


Figure 1-1 General Assembly

GENERAL ASSEMBLY

ITEM	PART/PAGE NO.	DESCRIPTION	QTY.
1		LOWER DECK	1
2	1-2 - 1-3	UPPER DECK ASSEMBLY	1
3	1-4 - 1-5	BULKHEAD ASSEMBLY (OPTION)	1
4	1-6 - 1-7	FLOOR ASSEMBLY	1
5	1-8 - 1-9	OUTRIGGER INSTALLATION (OPTION -NOT SHOWN)	1
6	1-10 - 1-11	PULL OUT INSTALLATION	1
7	1-12-1-20, 1-24 -1-25	HYDRAULIC SYSTEM	1
8	1-21 - 1-23	HYDRAULIC WET KIT (OPTION)	1
9	1-26 - 1-28	ELECTRICAL SYSTEM	1
10	1-29 - 1-33	UNDERCARRIAGE AND SUSPENSION - SPRING RIDE	1
11	1-34 - 1-40, 1-44 -1-45	UNDERCARRIAGE AND SUSPENSION - AIR RIDE	1
12	1-41 - 1-43	AXLE AND BRAKE	2
13	1-46 - 1-57	AIR BRAKE SYSTEM	1
14	1-58 - 1-61	HUB AND DRUM	4
15	1-62 - 1-81	WINCH	1
16	1-82 - 1-91	REMOTE CONTROL (OPTION)	1
17	1-92 - 1-98	DOCK LEVELERS (OPTION)	1
18	1-99 - 1-101	DECAL INSTALLATION	1
19	1-102 - 1-107	LANDING GEAR CRANK AND HYDR(OPTION)	2
	3-725-010058	LANDING GEAR, PIN DROP	2
	346SL	LOCK HITCH PIN	2
20	1-108 - 1-117	AUXILIARY ENGINE HYDR POWER (OPTION)	1
21	3-711-010105	SPACER, REAR ROLLER	2
22	3-684-010050	SHIM, REAR ROLLER	1
23	1-512-010007-06	NUT, HEX LOCK 5/16-18 GRB	2
24	1-654-010121-08	SCREW HEX SKT CTSK 5/16 1-3/4	2
25	1-861-010034-10	WASHER FLAT 5/16	4

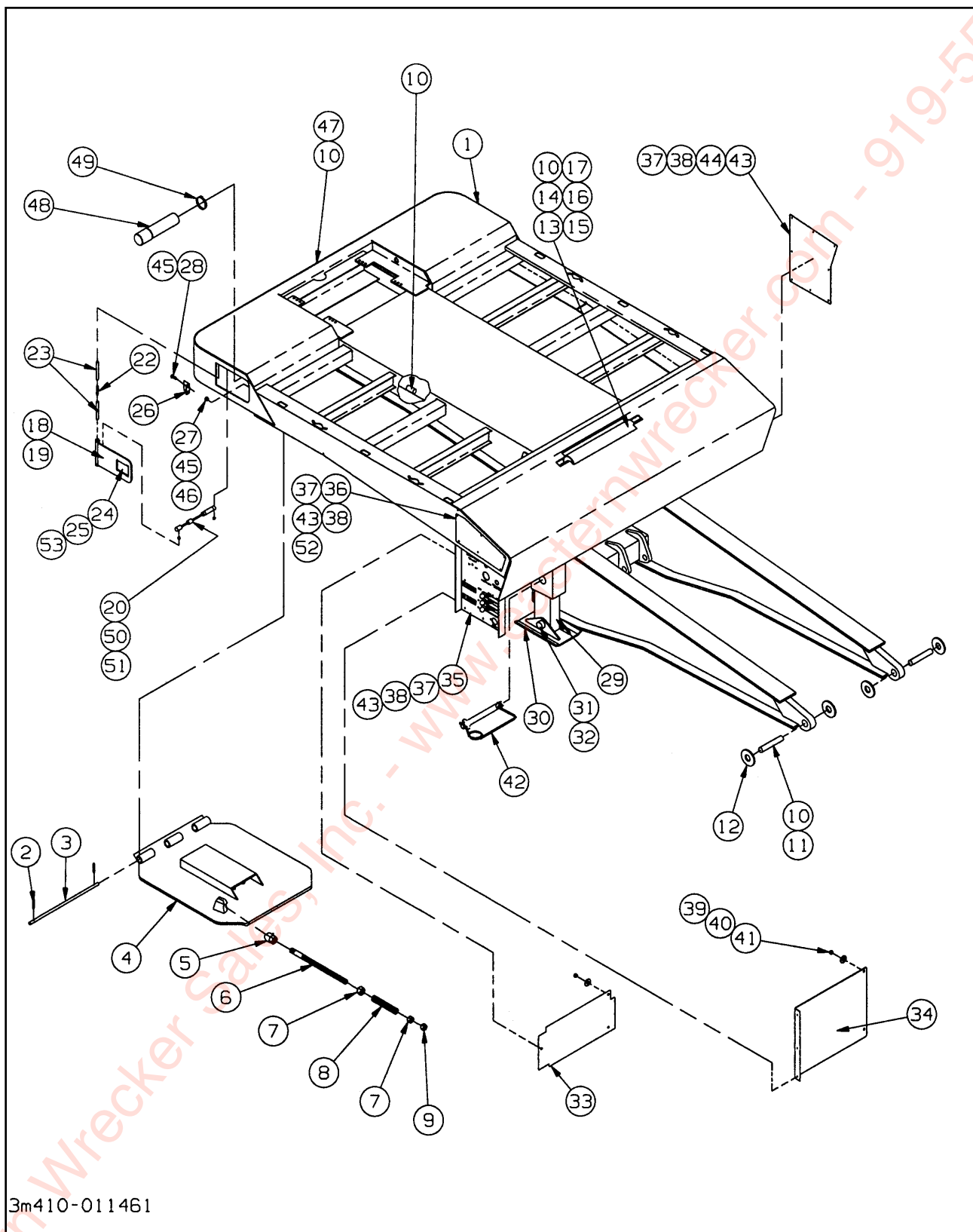


Figure 1-2 Upper Deck Assembly

UPPER DECK ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
1	3-311-015940-02	UPPER DECK WELDMENT W/ CRANK LANDING GEAR	1
	3-311-015940-03	UPR DECK WELDMENT W/ HYDR. PARK STAND - DIESEL	1
	3-311-015940-04	UPPER DECK WELDMENT W/ HYDR. PARK STAND - GAS	1
	3-311-015940-05	UPPER DECK WELDMENT W/ PIN DROP PARK STAND	1
2	1-647-010004255	ROLL PIN 3/8X2	2
3	3-557-010469	HINGE PIN	1
4	3-375-010554	FIFTH WHEEL	1
5	3-311-010164	CAM, FIFTH WHEEL LATCH	1
6	3-642-010006	LATCH ROD	1
7	1-512-010007-16	NUT, HEX 1-1/4-7 GRB	2
8	2-720-010002	SPRING	1
9	100823	NUT HEX JAM 1-1/4-7 GRB	1
10*	1-298-010001-01	ZERK FITTING 1/4	9
11	3-557-010471-01	PIVOT PIN	2
12	1-630-010021-02	RING, RETAINING 2 HD	4
13*	3-642-010134	ROD ROLLER	2
14*	3-645-010059	ROLLER WLDMT, CABLE	2
15*	1-654-010055-11	SCREW HEX HEAD CAP, 1/2-13X3-1/2 GR5	4
16*	1-861-010032-15	WASHER, FLAT 1/2	4
17*	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	4
18	3-257-010038	DOOR WLDMT, TOOL BOX, R.H.	1
19	3-257-010043	DOOR WLDMT, TOOL BOX, L.H.	1
20	3-242-010194	CYLINDER, GAS SPRING	2
22	1-720-010073-01	SPRING, COMP	2
23	RPRB59004X3H	BAR, ROUND NYLATRON	4
24	3-443-010010	LATCH	2
25	BSL-6-4	RIVET	8
26	3-482-010307	MOUNT, STRIKER PLATE	2
27	1-512-010007-03	NUT HEX #10-24 GRB	4
28	1-656-010003051	SCREW, RD HEAD MACH #10-24X3/4	4
29	3-725-010076	PARK STAND INNER LEG(HYDR. LAND GEAR OPTION)**	2
30	3-725-010075	PARK STAND PAD SWIVEL(HYDR LAND GEAR OPTION)**	2
31	3-557-010485	PIN, PARK FOOT(HYDR LAND GEAR OPTION)**	2
32	0600-250-03000	ROLL PIN 1/4X3 (HYDR LAND GEAR OPTION)**	4
33	3-681-010084	SHIELD, HYD. UPPER	1
34	3-681-010088	SHIELD, HYD.	1
35	3-573-010375	PLACARD, CONTROL PANEL	1
36	3-547-010034	PANEL TRIM ENGINE CONTROL -600	1
37	1/4-20X3/4CB	SCREW RD HEAD SQ NECK 1/4-20X3/4 GR2	12
38	1-512-010007-05	NUT HEX 1/4-20 GRB	8
39	1-861-010032-11	WASHER, FLAT 3/8	6
40	1-510-010001	NUT, HEX 3/8-16 GRB	3
41	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	3
42	346SL	LOCK HITCH PIN	2
43	1-861-010034-09	WASHER, SPLIT LOCK 1/4	8
44	3-547-010011	PANEL, TRIM	1
45	1-861-010032-03	WASHER, FLAT #10	8
46	1-861-010034-07	WASHER, LOCK #10	4
47	5210	ZERK FITTING, GREASE 45	1
48	1-116-010019	BOX MANUAL STORAGE	1
49	105-0093	HOSE CLAMP	1
50	1-861-010034-10	WASHER SPLIT LOCK 5/16	8
51	1-512-010007-06	NUT HEX 5/16-18 GRB	8
52	1-861-010032-07	WASHER, FLAT 1/4	2
53	101299	KEY CHAIN LANDOLL (NOT SHOWN)	1

* ONE ROLLER ASSEMBLY IS LOCATED ON THE FRONT OF THE LOWER DECK.

** SEE GENERAL ASSEMBLY ON PAGE 1-1 FOR STANDARD PIN DROP LANDING GEAR.
THE HYDRAULIC ASSEMBLY FOR THE HYDRAULIC LANDING GEAR IS ON PAGE 1-105.

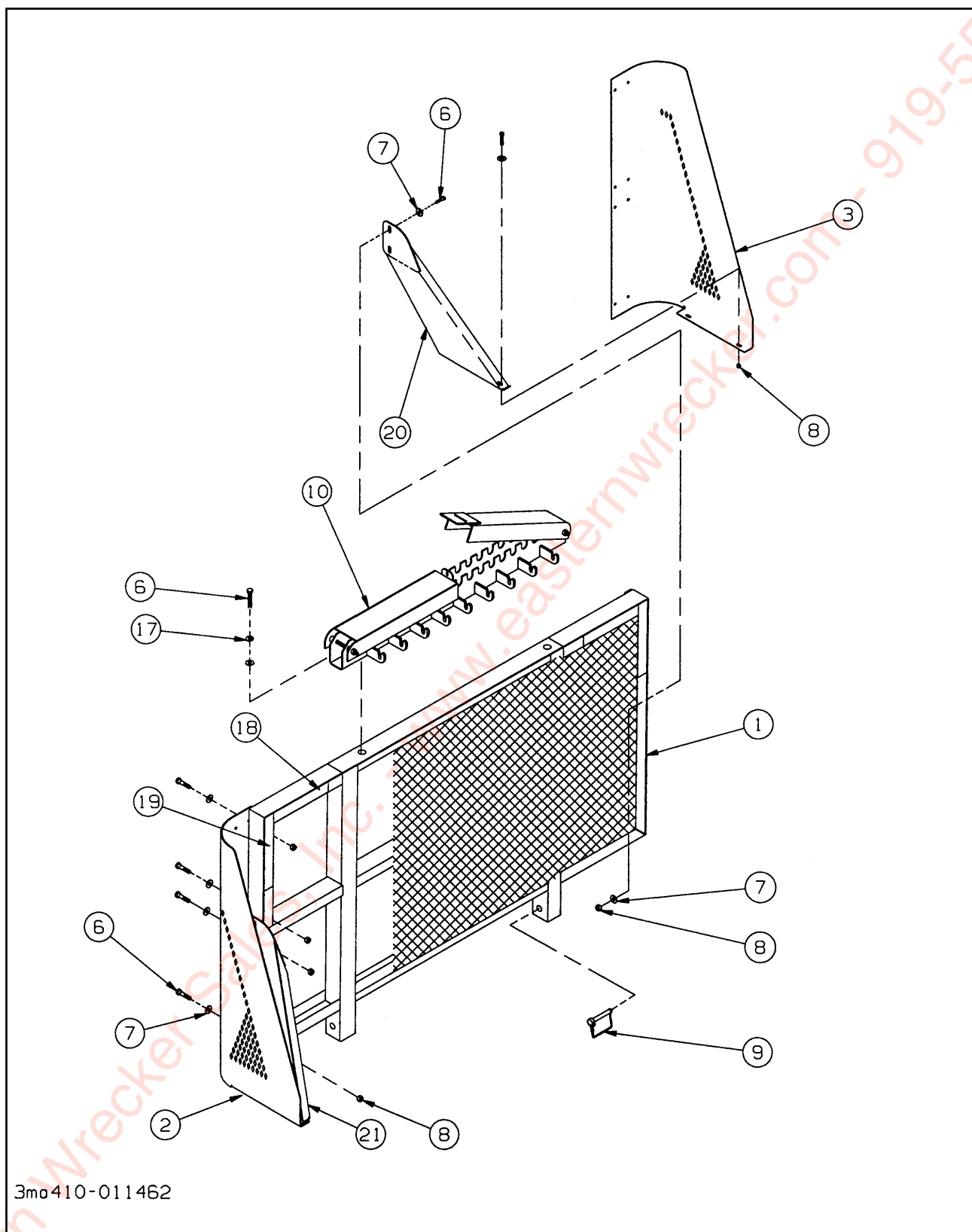


Figure 1-3 Bulkhead Assembly

BULKHEAD ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
	3-141-010150-1	BULKHEAD INSTALLATION 48" HIGH W/ STEEL WINGS	
	3-141-010150-2	BULKHEAD INSTALLATION 48" HIGH W/ ALUM WINGS	
1	3-141-010149	BULKHEAD WLDMT 48X96, 660	1
2	3-755-010207	SUPPORT, BULKHEAD STD 660-LH(STEEL)	1
	3-755-010201	SUPPORT, BULKHEAD 660-LH (ALUMINUM)	1
3	3-755-010206	SUPPORT, BULKHEAD STD 660-RH(STEEL)	1
	3-755-010202	SUPPORT, BULKHEAD 660-RH (ALUMINUM)	1
6	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16 X 1-1/4 GR5	16
7	1-861-010032-11	WASHER, FLAT 3/8	20
8	1-512-010005-05	NUT, HEX LOCK 3/8-16 GRB	16
9	9-557-010360	PIN, SNAP LOCK 1/2X3-1/2	2
10	3-141-010008	CHAIN HANGER AND LOCK CHANNEL	1
17	1-861-010034-11	WASHER, SPLIT LOCK 3/8	2
18	3-573-010378012	DECAL, 2X12 REFLEXITE WHITE	2
19	3-573-010378010	DECAL, 2X10 REFLEXITE WHITE	2
20	3-117-010074	BRACE BULKHEAD 600 - RH	1
21	3-117-010075	BRACE BULKHEAD 600 - LH	1

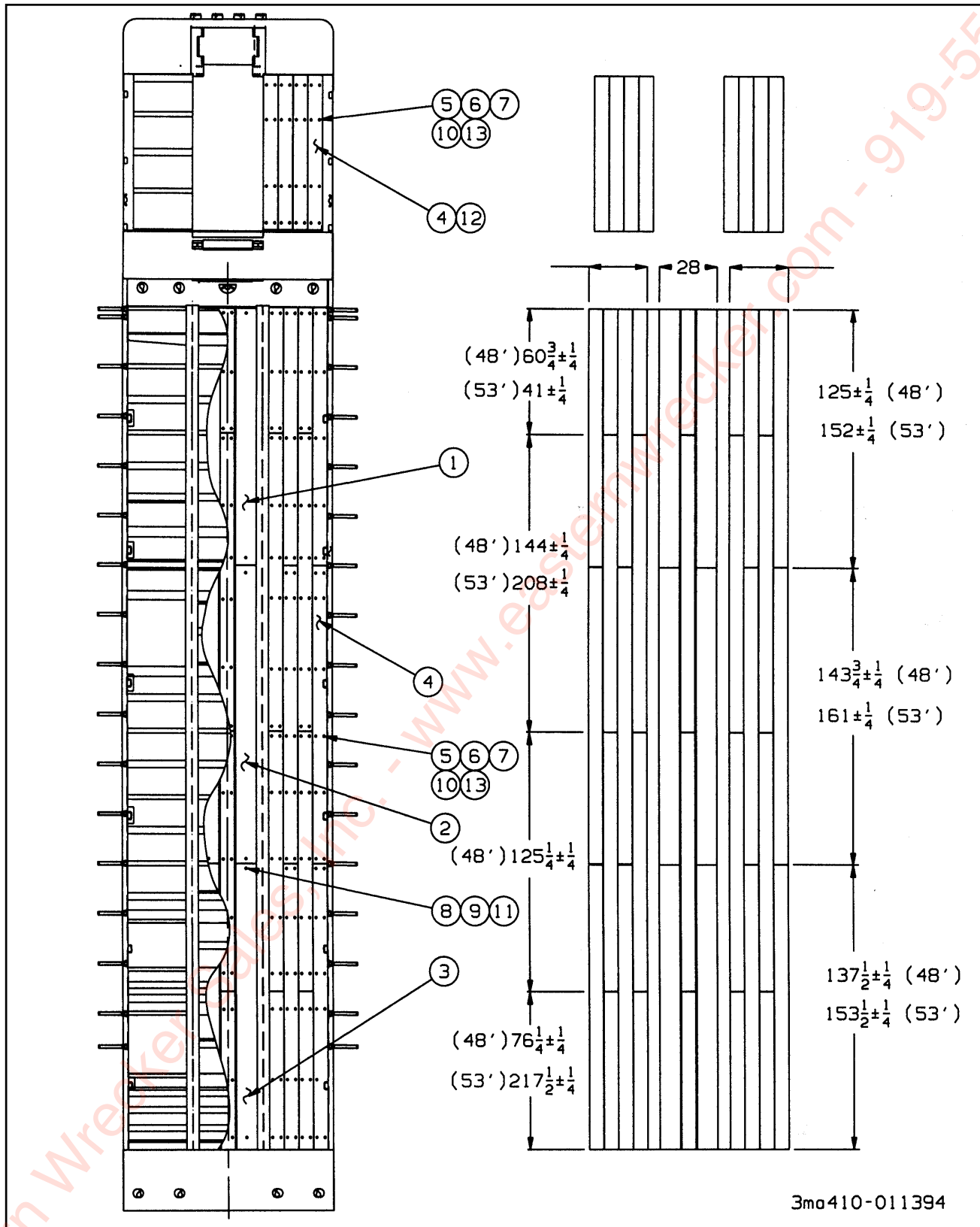


Figure 1-4 Floor Assembly

FLOOR APITONG ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.	
			48	53
	3-304-010068-01	FLOOR APITONG ASSEMBLY		
1	3-304-010067-01	FLOOR WOOD 1-3/8 X 9-1/2 X 12S	2	
2	3-304-010067-02	FLOOR WOOD 1-3/8 X 9-1/2 X 143-3/4	2	
3	3-304-010067-03	FLOOR WOOD 1-3/8 X 9-1/2 X 137-1/2	2	
4	RWD39000	FLOOR WOOD APITONG 1-3/8 X 7	A/R	
5	60503	FLOOR CLIP	376	
6	1-512-010007-07	NUT HEX 3/8-16 GR2	376	
7	1-861-010034-11	WASHER SPLIT LOCK 3/8	376	
8	1-861-010032-11	WASHER FLAT 3/8	12	
9	1-654-010051-13	SCREW HEX HEAD CAP 3/8-16X3 GR5	12	
10	3/8-16X2-1/4CB	SCREW RD HEAD SQ NECK 3/8-16X2-1/4	376	
11	3-187-010014	CLIP, FLOOR W/ NUT	12	
	3-304-010062-02	FLOOR APITONG ASSEMBLY	*	
	3-304-010062-04	FLOOR APITONG ASSEMBLY		*
12	RWD39000	FLOOR, WOOD 1-3/8 X 7.08	444	583
13	3-654-010129-1	SCREW TORQUE 5/16X3	502	731

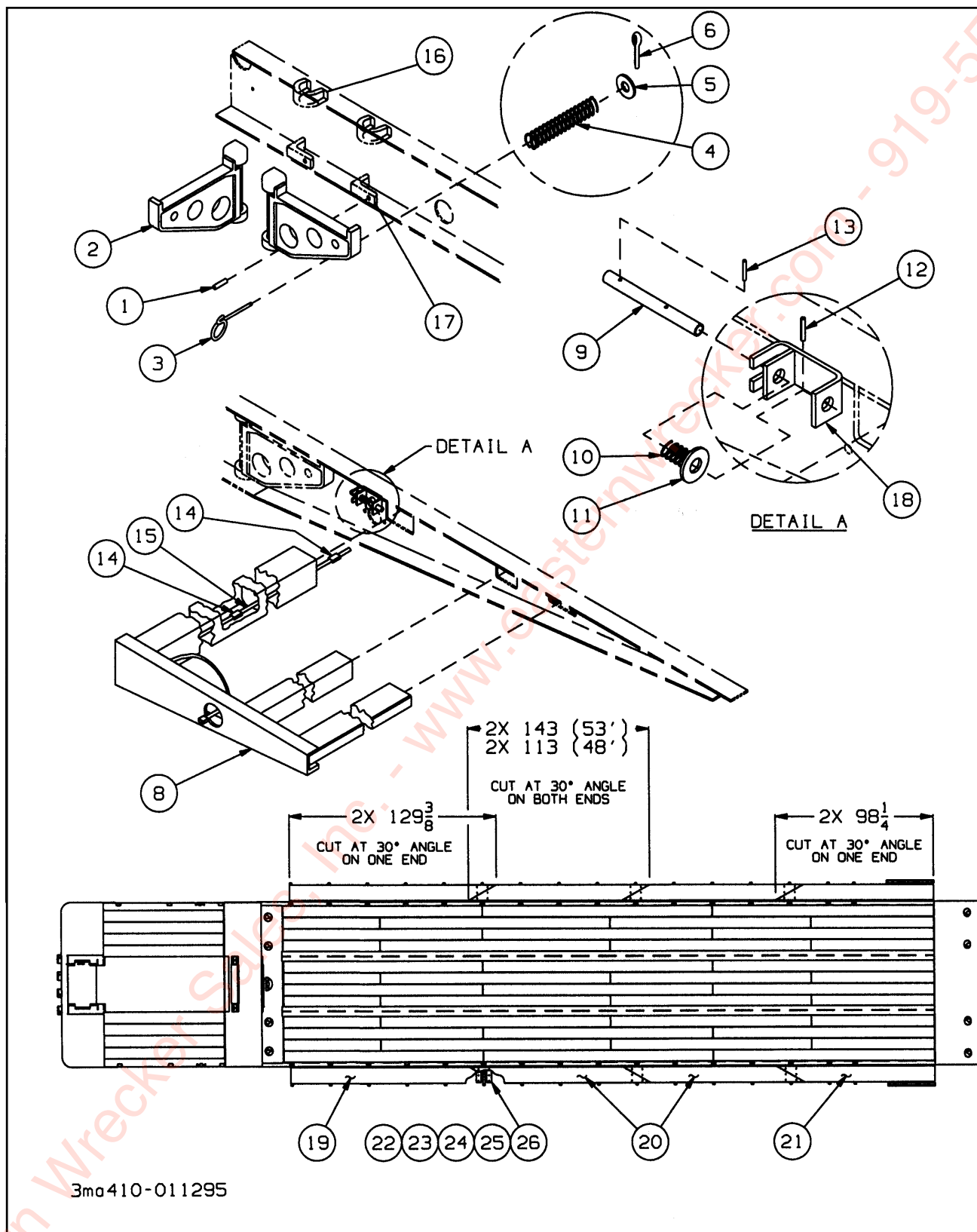


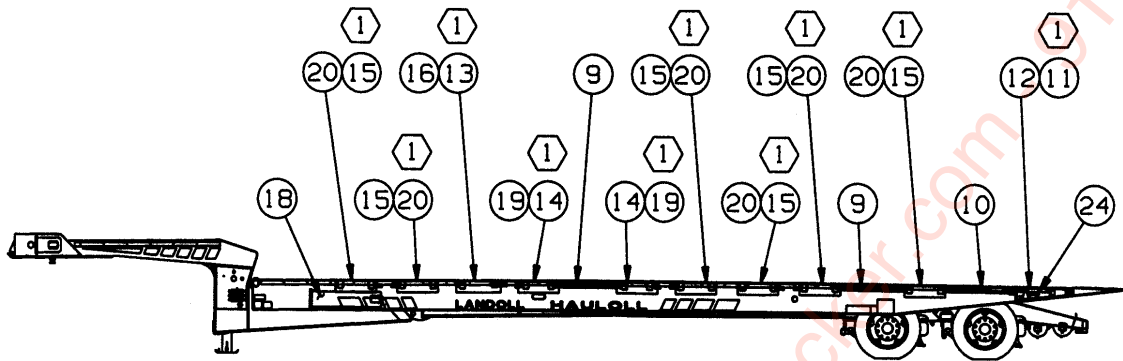
Figure 1-5 Outrigger Installation

OUTRIGGER INSTALLATION

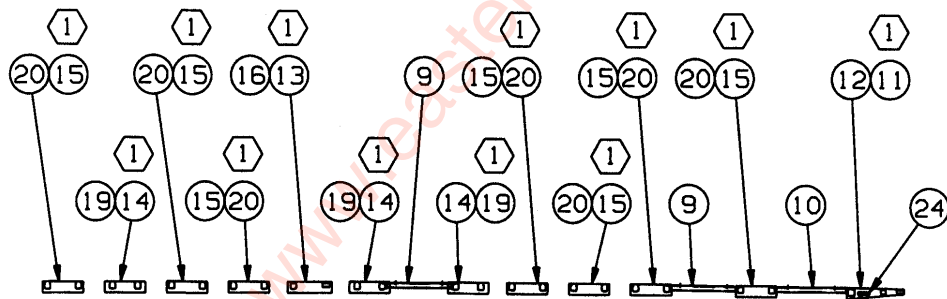
ITEM	PART NO.	DESCRIPTION	QTY.		
			48	48	53
	B7-542-007	OUTRIGGER, SWING-OUT 34 600-48	*		
	B7-542-012	OUTRIGGER, SWING-OUT 600-48		*	
	B7-542-009	OUTRIGGER, SWING-OUT 600-53			*
1	0600-375-01500	ROLL PIN 3/8 X 1-1/2	34	46	54
2	167-0022	OUTRIGGER FOR 10 CHANNEL	34	46	54
3	3-187-010001	CLIP OUTRIGGER STAY	34	46	54
4	3-720-010024	SPRING 1/16 DIA X 2-3/4 LG	34	46	54
5	1-861-010032-07	WASHER FLAT 1/4	34	46	54
6	101386	COTTER PIN	34	46	54
7	3-276-010698	EXTENSION,OUTRIGGER 660-RH(NOT SHOWN)	1	1	1
8	3-276-010699	EXTENSION, OUTRIGGER 660-LH	1	1	1
9	3-557-010375	PIN, SLIDE LOCK	2	2	2
10	CO-975-74-2000	SPRING, COMPRESSION	2	2	2
11	1-861-010032-14	WASHER, FLAT 1/2	2	2	2
12	1-647-010004117	SPRING PIN SLOTTED 1/8X1	2	2	2
13	0600-250-03000	ROLL PIN 1/4X3	2	2	2
14	3-272-010021	ELECTRIC BUTT SPLICE 16-14 W/SEAL	4	4	4
15	W214S-1	CABLE, 2 WIRE 14 AWG PVC 105E JACKET	5	5	5
16	3-125-010482	BRACKET, MOUNT OUTRIGGER TOP	AR	AR	AR
17	3-125-010501	BRACKET, MOUNT O/R BOTTOM RAIL STYLE	AR	AR	AR
18	3-125-010222	BRACKET, WELDMENT LOCK PULL OUT EXT.	AR	AR	AR
	3-410-011551	FLOOR, APITONG (ITEMS 19-26)			
19	3-304-010070	FLOOR, WOOD OUTRIGGER FRONT -600-48	2	2	2
20	3-304-010071	FLOOR, WOOD OUTRIGGER INNER -600-48	4	4	—
	3-304-010073	FLOOR, WOOD OUTRIGGER INNER 600-53	—	—	4
21	3-304-010072	FLOOR, WOOD OUTRIGGER REAR -600-48	2	2	2
22	3/8-16HFN	NUT HEX 3/8-16 GR2	36	36	36
23	1-861-010034-11	WASHER, SPLIT LOCK 3/8	36	36	36
24	1-861-010032-11	WASHER, FLAT 3/8	36	36	36
25	3/8-16X2-1/4CB	SCREW RD HEAD SQ NECK 3/8-16X2-1/4 GR2	36	36	36
26	3-054-010412	BAR, OUTRIGGER BOARD BRACE -660	12	12	12

NOTES:

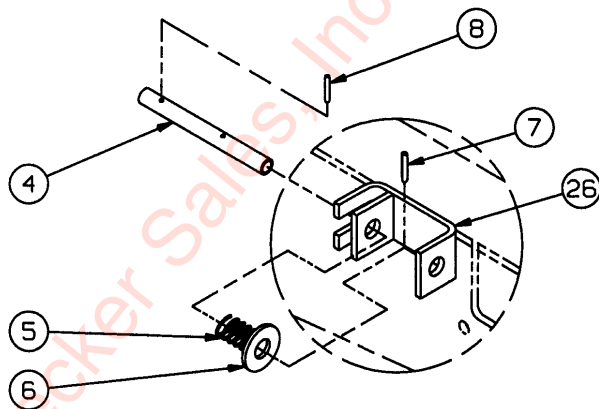
- ① PART TO BE INSTALLED ON THE OTHER SIDE OF TRAILER.



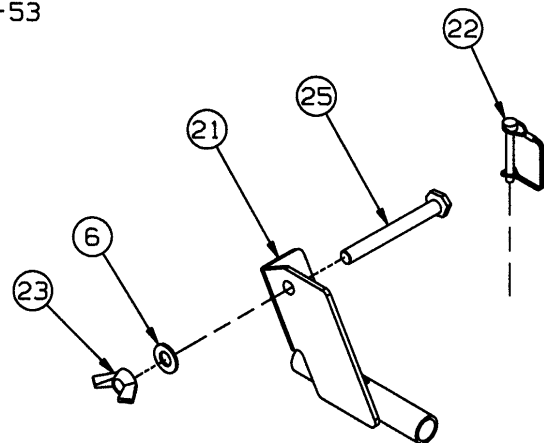
660-48



660-53



CATCH ASSEMBLY DETAIL



FLAG HOLDER ASSY.

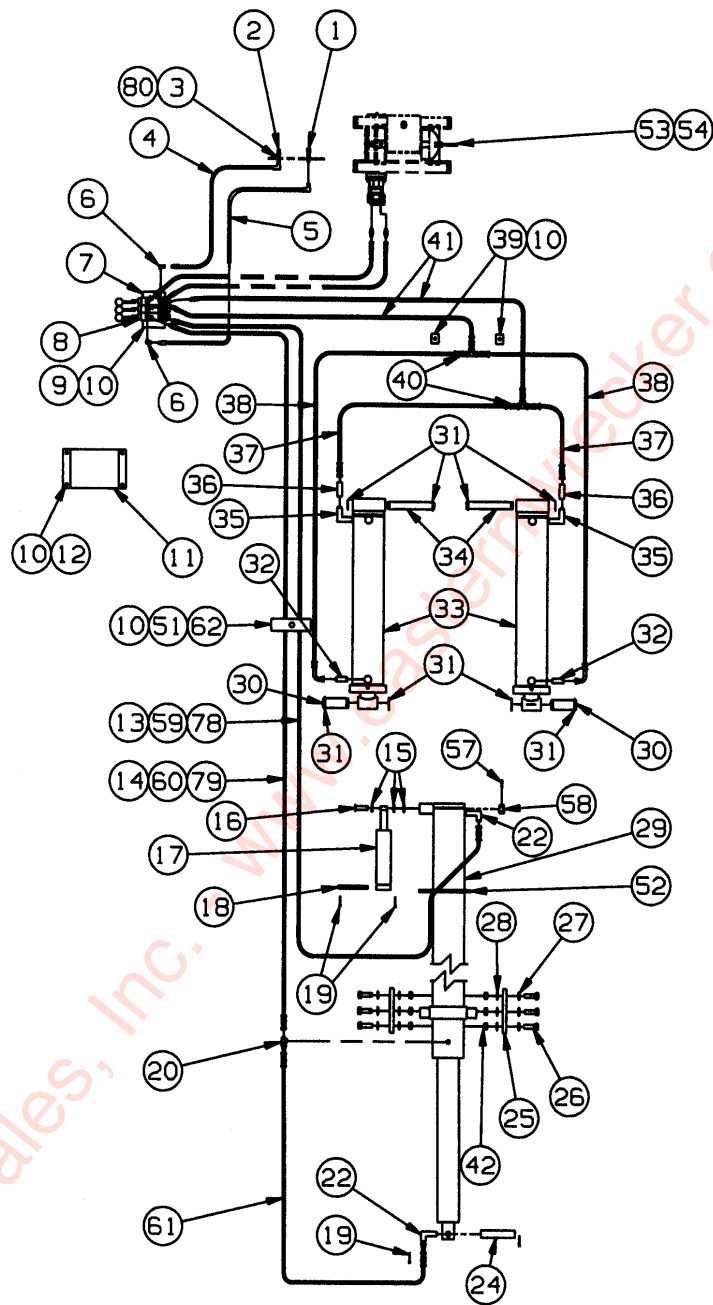
3ma276-010743

Figure 1-6 Pull Out Installation

PULL OUT INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	3-276-010743-01	EXTENSION INSTALLATION 660-48 PULL-OUTS	1
	3-276-010743-03	EXTENSION INSTALLATION 660-53 PULL-OUTS	1
4	3-557-010375	PIN SLIDE LOCK	*20,24
5	CO-975-74-2000	SPRING COMPRESSION	*20,24
6	1-861-010032-15	WASHER FLAT 1/2	*26,30
7	1-647-010004117	SPRING PIN SLOTTED 1/8X1	*20,24
8	0600-250-03000	ROLL PIN 1/4 X 3	*20,24
9	3-276-010741	EXTENSION COVER WHEEL WELL - 34	4
10	3-276-010742	EXTENSION COVER WHEEL WELL - 36-1/2	2
11	3-276-010746	EXTENSION 600 REAR-P/O-RH	1
12	3-276-010747	EXTENSION 600 REAR-P/O-LH	1
13	3-276-010740	EXTENSION 23" PULL-OUT 600-RH	1
14	3-276-010737	EXTENSION 21-16 PULL-OUT 600-LH	*2,3
15	3-276-010738	EXTENSION 21-16 PULL-OUT 600-RH	*6,7
16	3-276-010739	EXTENSION 23" PULL-OUT 600-LH	1
17	3-573-010377	DECAL 2" REFLEXITE TAPE RD/WHT (NOT SHOWN)	*495,52
			6
18	B3-115-027	TOOL COMPARTMENT - LOWER DECK 660 P/O	2
19	3-276-010744	EXT. 21-13 PULL-OUT 600-RH	*2,3
20	3-276-010745	EXT. 21-16 PULL-OUT 600-LH	*6,7
21	101062	BRACKET FLAG HOLDER	6
22	516-22PTL	RETAINING PEN MUD FLAP	6
23	1-513-010001	WING NUT 1/2	6
24	101268	DECAL DANGER PLANK	*12,14
25	1-654-010055-14	SCREW, HEX HEAD CAP 1/2-13 X 4-1/2 GR5	6
26	3-125-010222	BRACKET, WELDMENT LOCK PULL OUT EXT.	AR

* THE FIRST QUANTITY LISTED IS FOR THE 48' TRAILER, THE SECOND QUANTITY LISTED IS FOR THE 53' TRAILER.



3md407-010050

Figure 1-7 Hydraulic System (1 of 2)

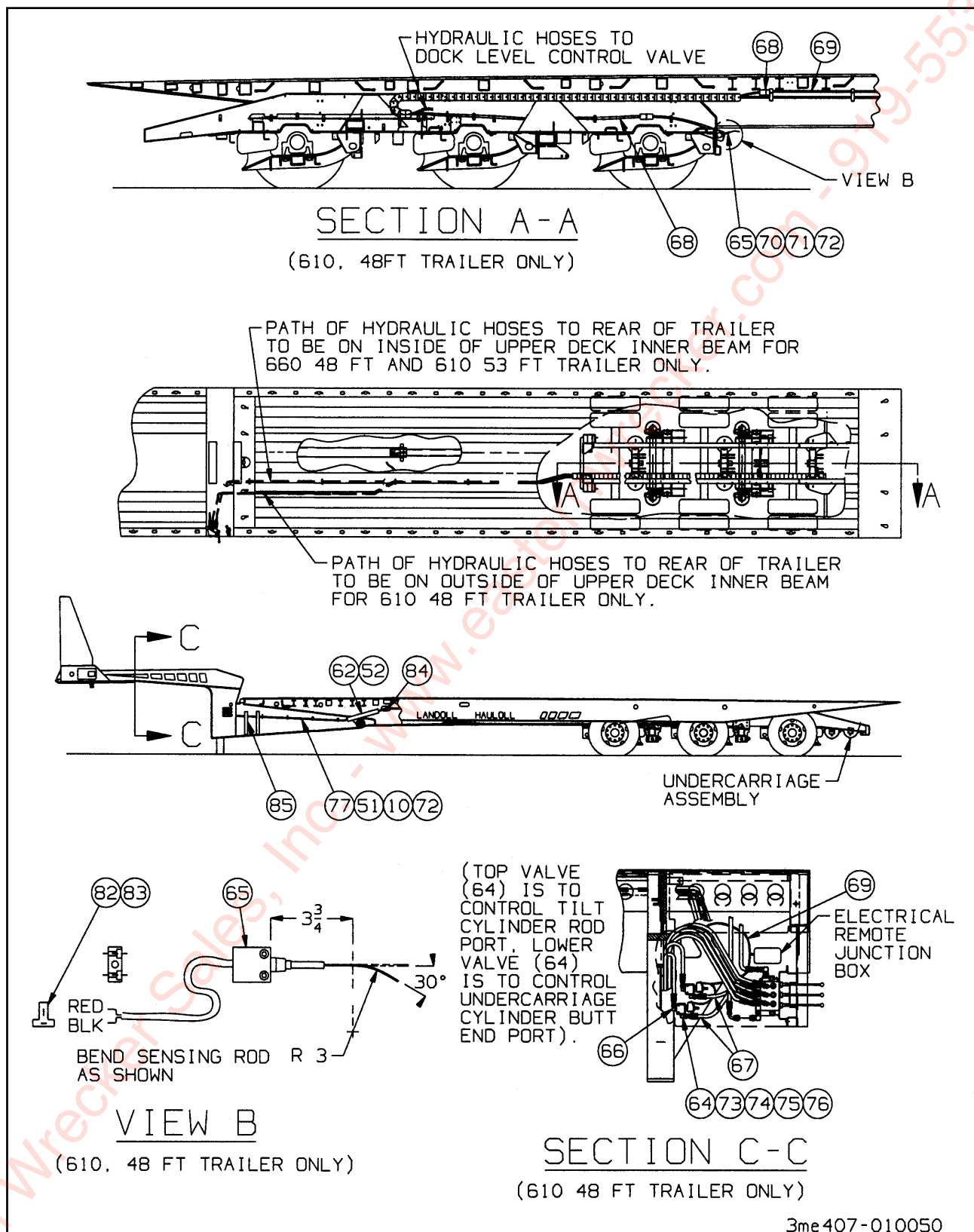


Figure 1-8 Hydraulic System (2 of 2)

SCHEMATIC, HYDRAULIC SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.
	3-407-010050	HYDRAULIC INSTALLATION	1
1	S25F-6	COUPLER, FEMALE HALF(NOT USED W/ ENGINE PKG.) (BEFORE 7/98)	1
	105480	COUPLER, FLAT FACE FEMALE (AFTER 7/98)	1
	105482	COUPLER, DUST CAP FEMALE	1
2	S21F-6	COUPLER, MALE HALF(NOT USED W/ ENGINE PACK AGE (BEFORE 7/98)	1
	105479	COUPLER, FLAT FACE MALE (AFTER 7/98)	1
	105481	COUPLER, DUST CAP MALE	1
3	2240-12-12S	ADAPTER, BULKHEAD(NOT USED W/ ENGINE PACKAGE)	2
	1-861-010059-21	WASHER, LOCK INTERNAL TOOTH 1-1/8"	2
4	1-397-010305164	HOSE ASSY (NOT USED WITH ENGINE PACKAGE)	1
5	1-397-010305190	HOSE ASSY (NOT USED WITH ENGINE PACKAGE)	1
6	2062-12-12S	ADAPTER, 90	2
7	3-846-010008	VALVE, THREE SPOOL (SEE PAGE 1-25)	1
	3-846-010159	VALVE ASSY, THREE SPOOL-MOTOR 1ST (SEE PAGE 1-25)	***1
8	2061-8-8S	ADAPTER, 45	6
9	1-654-010051-09	SCREW, HEX HEAD CAP 3/8-16X2 GR5	3
10	1-510-010001	NUT, HEX FLANGE LOCK 3/8-16	*16,20
11	3-482-010292	MOUNT, VALVE, 3-SPOOL	1
12	1-654-010051-07	SCREW, HEX HEAD CAP 3/8-16 X 1-1/2 GR5	4
13	1-397-010301208	HOSE ASSY (48 TRAILER)	1
	1-397-010301268	HOSE ASSY (53 TRAILER)	1
14	1-397-010301244	HOSE ASSY (48 TRAILER)	1
	1-397-010301304	HOSE ASSY (53 TRAILER)	1
	3-242-010195	CYLINDER, DAMPENER ASSY (INCLUDES 15 - 19)	1
15	1-861-010032-21	WASHER, FLAT 3/4	3
16	3-654-010111	SCREW, HEX CAP MODIFIED	1
17	3-242-010193	CYLINDER, 2-1/2X8 (SEE PAGE 1-17)	1
18	3-557-010222	PIN	1
19	1-557-010362-54	PIN, COTTER	4
20	203003-8-8S	ADAPTER, TEE	1
22	2062-8-8S	ADAPTER, 90	2
24	3-557-010120	PIN, U/C CYLINDER	1
25	3-120-010425	BRACKET	2
26	1-654-010061-06	SCREW, HEX HEAD CAP 3/4-10 X 2-1/4 GR5	6
27	3-861-010038	WASHER, STEP	6
28	1-861-010032-21	WASHER, FLAT 3/4	6
29	3-242-010211	CYLINDER 6X4X212-600 (SEE PAGE 1-19)	1
	3-242-010212	CYLINDER WELDMENT 6X4X212-600	1
30	3-557-010470-02	PIN, CYL ROD END	2
31	1-630-010021-01	RING, SNAP	8
32	2021-12-8S	ADAPTER	2
	202702-8-8S	ADAPTER	2
33	3-242-010189	CYLINDER, LIFT 6X41 (SEE PAGE 1-20)	2
34	3-557-010470-01	PIN, CYL BUTT END	2
35	2024-12-8S	ADAPTER, 90	2
36	3-846-010155	VALVE, RESTRICTOR, 1/16-ONE WAY	2

SCHEMATIC, HYDRAULIC SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.
37	1-397-010301028	HOSE ASSY	2
38	1-397-010302068	HOSE ASSY	2
39	2-181-010001	CLAMP, HOSE	4
40	2033-8-8S	ADAPTER TEE	2
41	1-397-010301076	HOSE ASSEMBLY	2
42	1-512-010005-15	NUT HEX LOCK 3/4-10 GRB	6
51	3-181-010006	CLAMP, HOSE LARGE	*10,12
52	TY244MX	TY-WRAP BLACK	26,32
53	3-873-010140	WINCH ASSY, 20K LB (OPTION) (SEE PAGE 1-64)	REF.
54	3-873-010144	WINCH ASSY, 12K LB (STANDARD) (SEE PAGE 1-64)	REF.
57	1-647-010004177	ROLL PIN, SLOTTED	1
58	9-516-010002	NUT SLOTTED HEX 3/4-10 GRB	1
59	1-397-010301268	HOSE ASSEMBLY	1
60	1-397-010301304	HOSE ASSEMBLY	1
61	1-397-010369324	HOSE ASSEMBLY	1
62	3-395-010001	HOSE, PROTECTION	1.5FT
64	3-846-010157	VALVE 2 WAY NC POPPET	2
65	3-765-010054	SWITCH 1 MINI LIMIT W/ WOBBLE	1
66	2062-8-8S	ADAPTER	4
67	1-397-010301018	HOSE ASSEMBLY	2
68	3-368-010258	HARNESS 610-48 LIMIT U/C	1
69	3-368-010260	HARNESS 610-48 LIMIT HOOKUP	1
70	1-654-010104139	SCREW HEX SOCKET #10-24X1	2
71	1-861-010034-07	WASHER SPLIT LOCK #10	2
72	1-512-010007-03	NUT HEX #10-24	2
73	1-654-010047-09	SCREW HEX HEAD CAP 1/4-20X1-3/4 GR5	4
74	1-861-010043-06	WASHER FLAT 1/4N	4
75	1-512-010007-05	NUT HEX 10-20 GRB	4
76	1-861-010034-09	WASHER SPLIT LOCK 1/4	4
77	101-017-186	STUD WELD 3/8X1-1/2	4
78	1-397-010301170	HOSE ASSEMBLY (610 48 TRAILER)	1
79	1-397-010301238	HOSE ASSEMBLY (610 48 TRAILER)	1
80	1-861-010059-21	WASHER LOCK INTERNAL 1-1/8	2
82	514-4758	CONNECTOR BODY MALE	1
83	237-8495	TERMINAL CONNECTOR MALE	2
84	1-822-010001	TRIM-LOC, 1/4	1.5 FT
85	1-822-010002	TRIM-LOC, 3/16	1.5 FT

* THE FIRST QUANTITY LISTED IS FOR 48 TRAILER. THE SECOND QUANTITY LISTED IS FOR 53 TRAILER.

** COMPONENTS REQUIRED FOR SPREAD OR TRIPLE AXLE 48 FT TRAILERS.

*** THE FIRST QUANTITY LISTED IS FOR STANDARD 3 SPOOL VALVE HYDRAULIC ASSEMBLY. THE SECOND QUANTITY LISTED IS FOR 3 SPOOL VALVE WITH 1ST STAGE MOTOR SPOOL USED IN PLANETARY WINCH APPLICATIONS.



CYLINDER 2-1/2" X 8"

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010193	CYLINDER, 2-1/2" X 8", MODIFIED	
	3-242-010192	CYLINDER, 2-1/2 X 8 (PRINCE PMC-5408)	1
1	010700041	PISTON ROD	1
2	061300043	BUTT AND TUBE ASSY.	1
3	071300016	PISTON (TO BE MODIFIED PER 3-242-010193)	1
4	081300027	GLAND	1
5	220000208	LOCK NUT, 3/4-16	1
6	230001250	SNAP RING	1
7	240004004	PISTON RING	1
8	*	O-RING	2
9	*	O-RING	1
10	*	QUAD RING	1
11	*	BU-WASHER	2
12	*	BU-WASHER	1
13	*	WIPER	1
14	*	BU-WASHER	1
15	1-560-010002-03	PLUG, PIPE, BLACK, 3/8	2
	PMCK-5400	PACKING KIT (CONTAINS ITEMS 8 THROUGH 14)	

* PARTS AVAILABLE IN PACKING KIT ONLY.

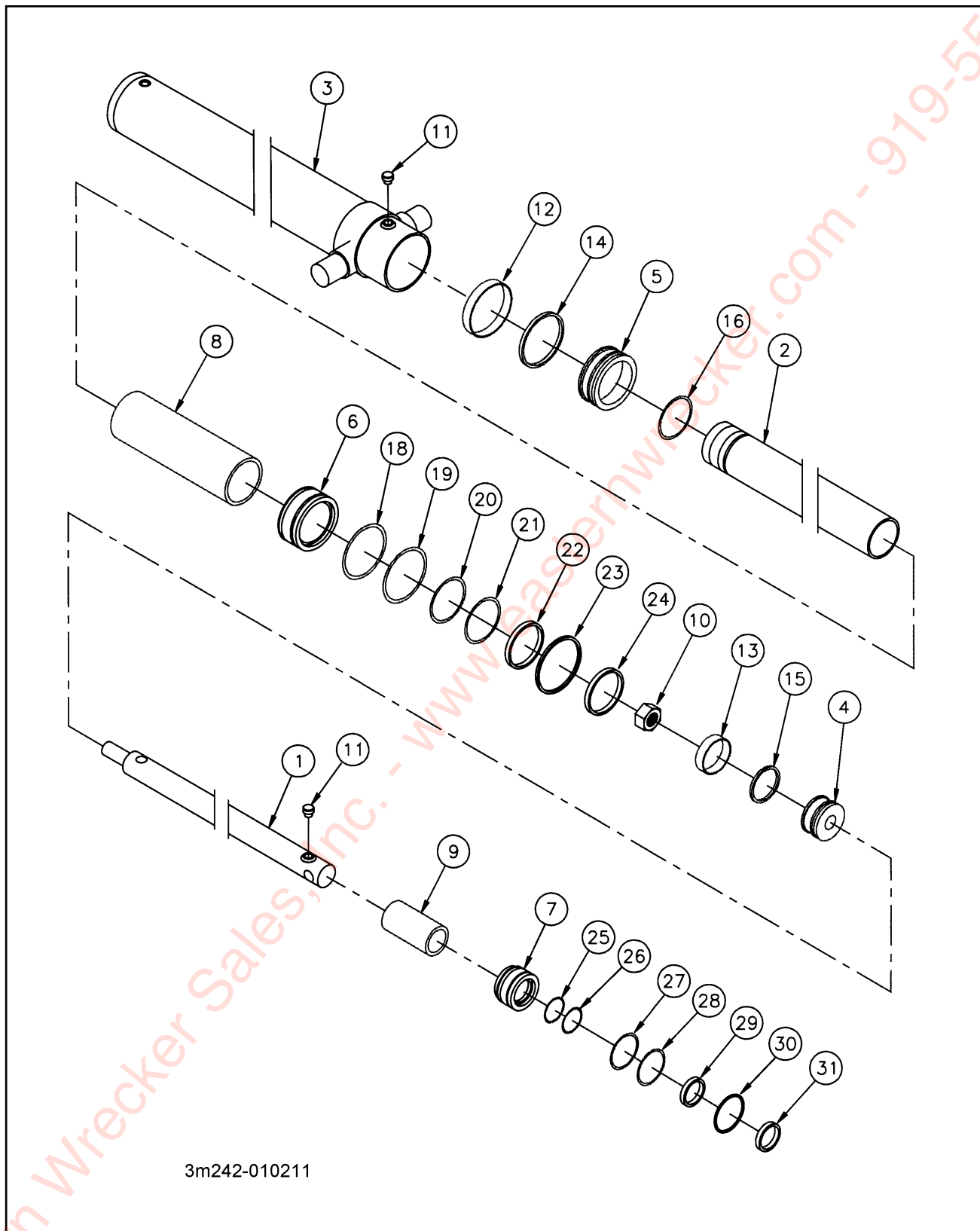


Figure 1-10 Cylinder, Telescopic 212

CYLINDER TELESCOPIC

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010211	CYLINDER 6X4X212-600 (PRINCE AS-715)	1
1	041300135	PISTON TUBE ASSY	1
2	042000229	PISTON TUBE ASSY	1
3	062300525	BUTT AND TUBE ASSY	1
4	071900314	PISTON	1
5	072300225	PISTON	1
6	082300232	GLAND	1
7	081900277	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
32	PMCK-AS-715	PACKING KIT (ITEMS 12-22,24-29,& 31)(AS-715)	

* PARTS AVAILABLE IN PACKING KIT ONLY.

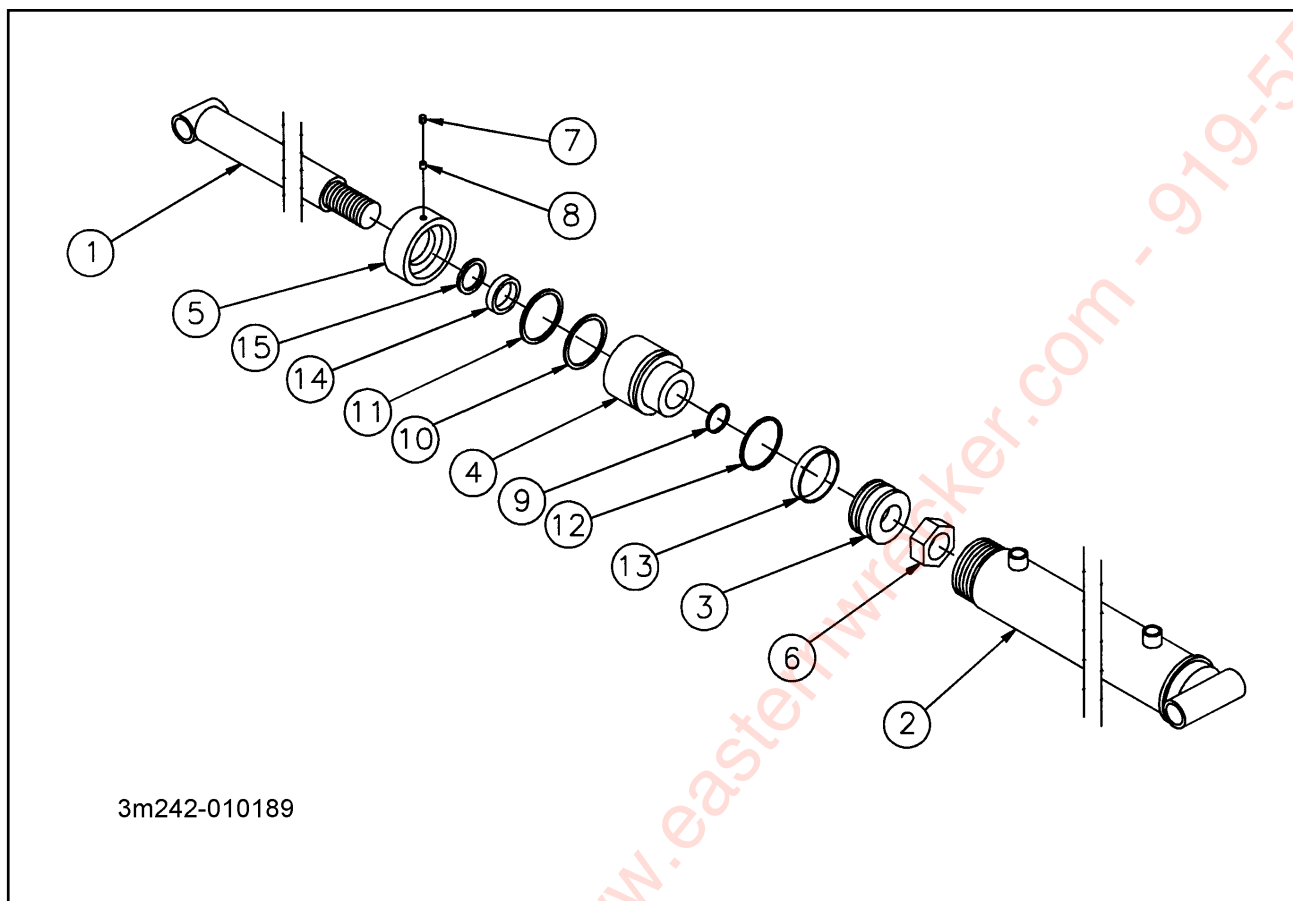


Figure 1-11 Cylinder 6" X 41"

CYLINDER 6" X 41"

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010189	CYLINDER HYDRAULIC 6" X 41" (PRINCE PMC-22030)	2
1	021500077	PISTON ROD ASSY	1
2	062300414	BUTT AND TUBE ASSY	1
3	072300150	PISTON	1
4	082300208	GLAND	1
5	262300011	GLAND CUP	1
6	220000218	NUT, LOCK	1
7	220000701	SET SCREW	1
8	220000853	NYLON LOCK	1
9	*240000033	O-RING	1
10	*240000433	O-RING	1
11	*240061433	BU-WASHER	1
12	*240060433	CROWN SEAL	1
13	*240011084	BEARING RING	1
14	*240020017	U-CUP	1
15	*250014300	WIPER	1
	PMCK-22000	PACKING KIT (CONTAINS ITEMS 9 THROUGH 15)	

* PARTS AVAILABLE IN PACKING KIT ONLY.

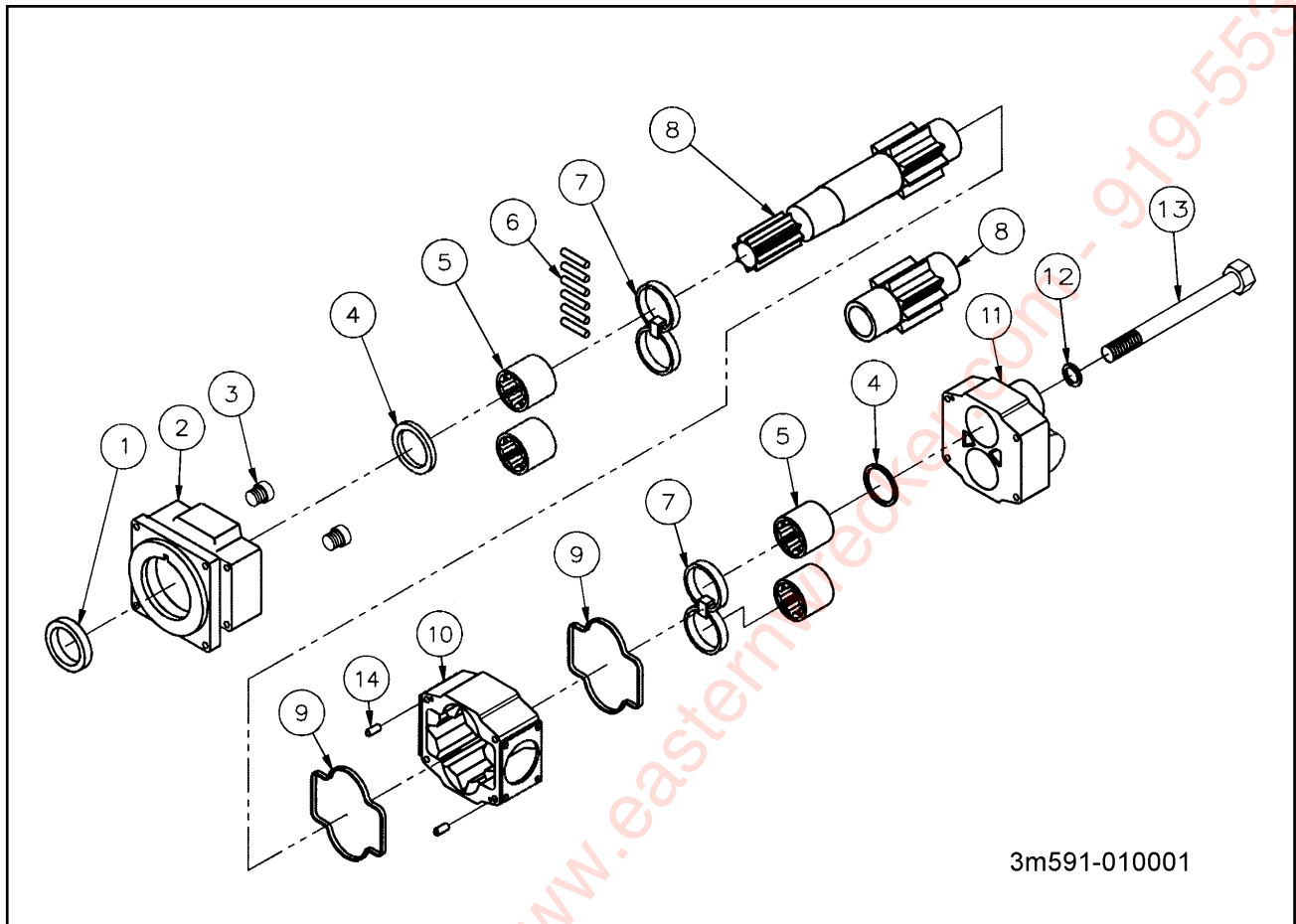


Figure 1-12 Pump, Wet Kit Hydraulic

PUMP, WET KIT HYDRAULIC

ITEM	PART NO.	DESCRIPTION	QTY.
	3-591-010001	HYDR. PUMP, GEAR (COMM. SHEARING 312-9610-394)	1
1	391-2883-058	LIP SEAL	1
2	312-5037-201	HOUSING, SEC.	1
3	391-3681-001	CHECK, ASSY.	2
4	391-2585-006	RING SEAL	2
5	391-0381-068	BRG. ROLLER	4
6	391-2882-086	SEAL, POCKET STRIP	12
7	391-2185-013	THRPL	2
8	312-2917-130	SET, GEAR SHAFT	1
9	391-2884-050	SEAL, SQ.-R	2
10	312-8217-327	HOUSING, GEAR	1
11	312-3220-327	HOUSING, PEC.	1
12	391-3784-028	WASHER	4
13	391-1401-025	CAPSCREW	4
14	391-2082-032	DOWEL PIN	4
15	391-1802-119	SEAL KIT	

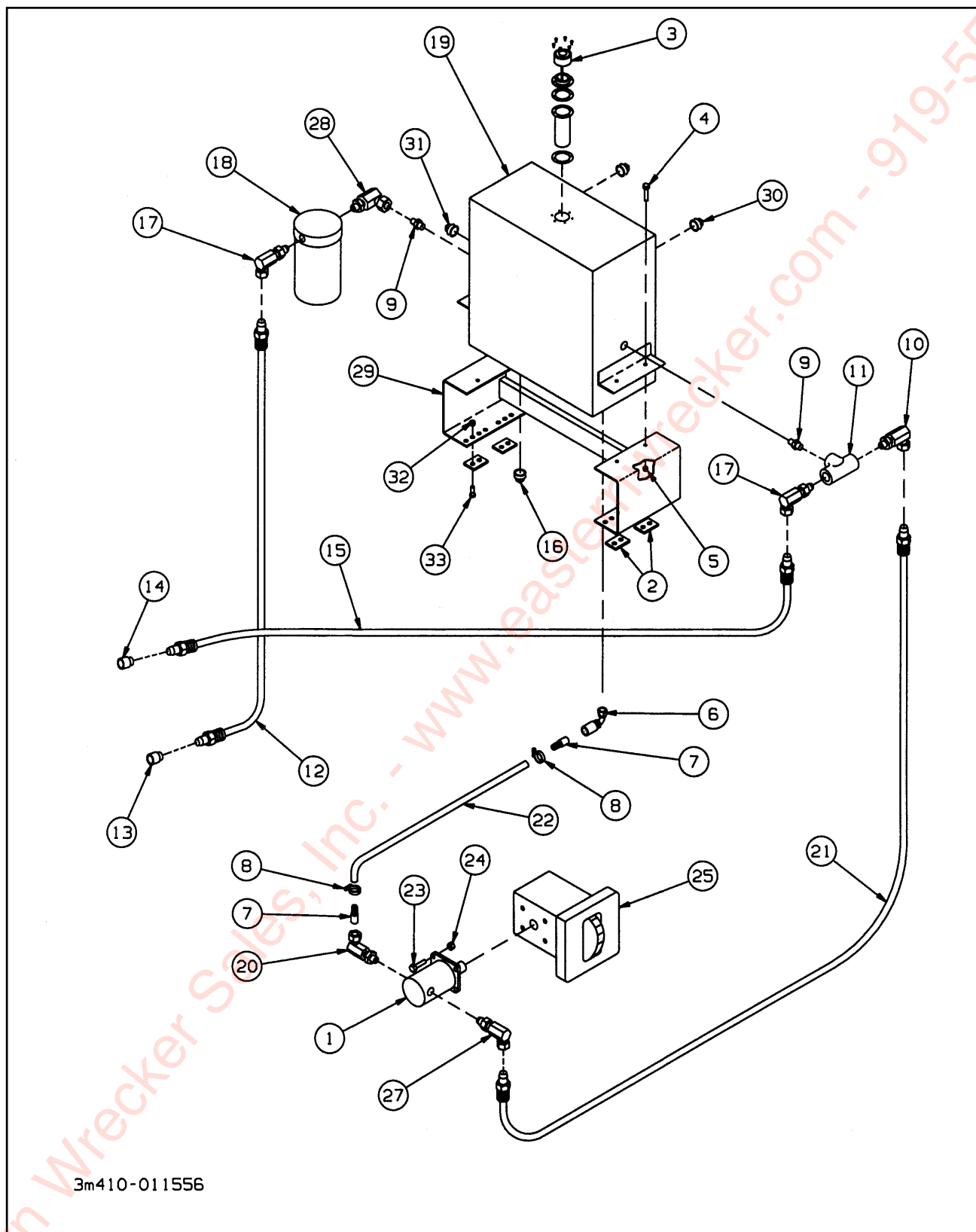


Figure 1-13 Transmission Mounted Wet Kit Items

TRANSMISSION MOUNTED WET KIT ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.
	B3-407-177-01	KIT COMPLETE WET (REF. 3-410-011550)	
1	3-591-010001	PUMP, HYDRAULIC GEAR (SEE PAGE 1-21)	1
2	3-120-010461	BRACKET, HYD TANK MOUNT SUPPORT	4
3	3-162-010001	FILLER, BREATHER STRAINER	1
4	1-654-010051-06	SCREW HEX HEAD CAP 3/8-16 X 1-1/4 GR5	4
5	1-512-010005-05	NUT HEX LOCK 3/8-16 GRB	4
6	1-1/4ST ELL	PIPE ELBOW, 90°	1
7	3-561-010001	HOSE, BARB	1
8	6828	CLAMP, HOSE	2
9	C3069X12	NIPPLE HEX	2
10	2024-12-8S	ADAPTER 90	1
11	125130	RD12D HYD. BY-PASS SRDD	1
12	1-397-010365164	HOSE ASSEMBLY, 3/4X164	1
13	S21F-6	COUPLER, MALE HALF (NOT USED W/ ENGINE PACKAGE) (BEFORE 7/98)	1
	105479	COUPLER, FLAT FACE MALE (AFTER 7/98)	
	105481	COUPLER, DUST CAP MALE	1
14	S25F-6	COUPLER, FEMALE HALF (NOT USED W/ ENGINE PKG.)(BEFORE 7/98)	1
	105480	COUPLER, FLAT FACE FEMALE (AFTER 7/98)	
	105482	COUPLER, DUST CAP FEMALE	1
15	1-397-010368164	HOSE ASSEMBLY, 1/2X164	1
16	1-560-010002-07	PLUG, BLACK PIPE	1
17	2024-12-12S	ADAPTER 90	1
18	1-295-010001	FILTER, RETURN	1
	1-295-010002	FILTER ELEMENT	1
19	3-786-010043	TANK, HYDRAULIC	1
20	1-007-010006	ELBOW 90	1
21	1-397-010301100	HOSE ASSEMBLY 1/2X100	1
22	3-399-010001048	HOSE SUCTION 1-1/4X4	1
23	1-654-010055-03	SCREW HEX HEAD CAP 1/2-13X1-1/2 GR5	4
24	1-861-010034-13	WASHER SPLIT LOCK 1/2	4
25	PTO*	POWER TAKEOFF	1
27	2062-16-8S	ADAPTER 90	1
28	2047-12-12S	ELBOW 90 SWIVEL	1
29	3-482-010503	TANK MOUNT	1
30	1-560-010002-05	PIPE PLUG 3/4	2
31	1-560-010002-04	PIPE PLUG 1/2	1
32	1-512-010005-09	NUT HEX LOCK 1/2-13 GRB	4
33	1-654-010055-04	SCREW HEX HEAD CAP 1/2-13X1-3/4 GR5	4

* IF IT BECOMES NECESSARY TO ORDER A NEW POWER TAKEOFF, HAVE READY THE TRANSMISSION MODEL NUMBER AND SERIAL NUMBER BEFORE CALLING THE PARTS DISTRIBUTION CENTER.

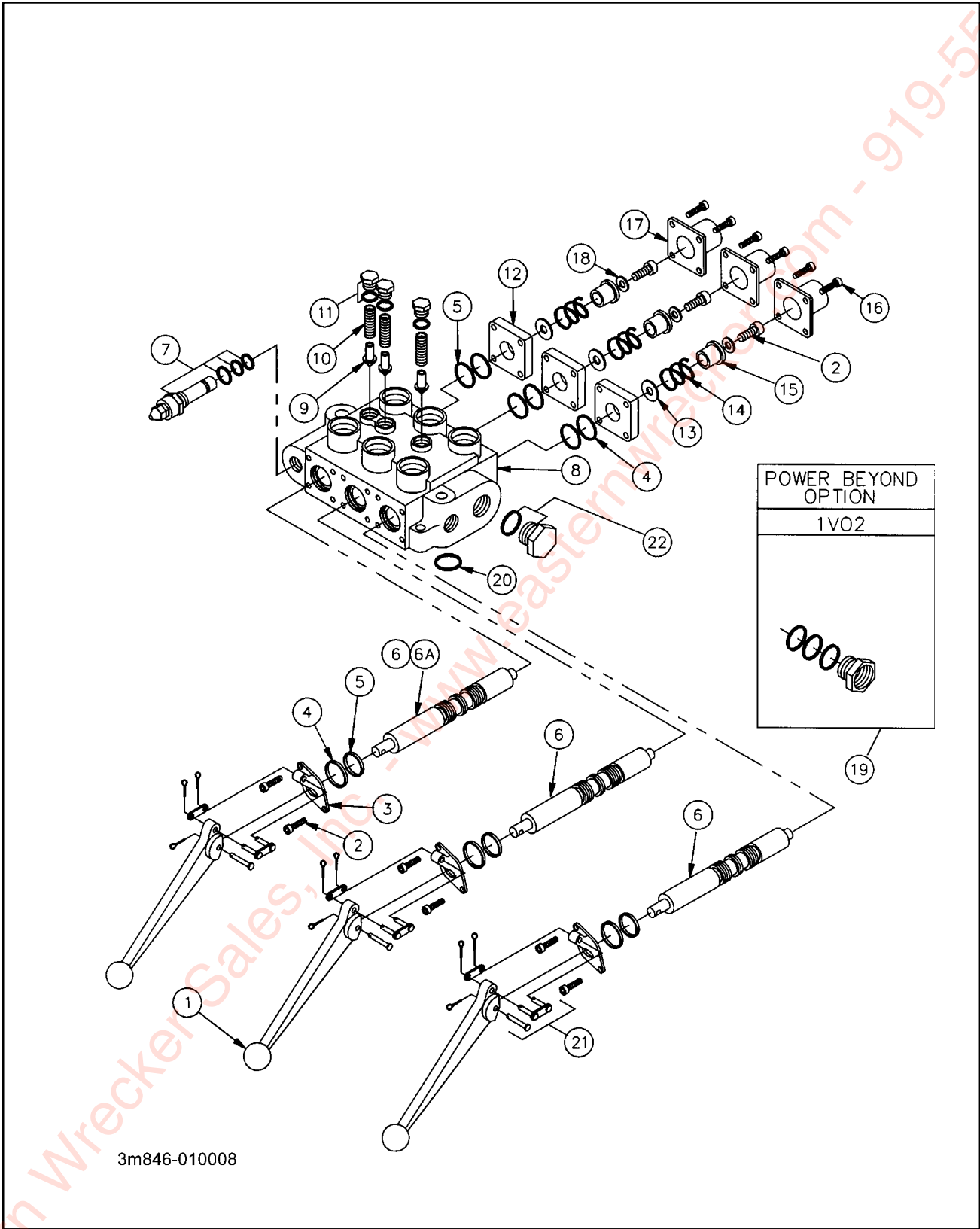


Figure 1-14 Three Spool Valve

VALVE, THREE SPOOL

ITEM	PART NO.	DESCRIPTION	QTY.
	3-846-010008	VALVE ASSEMBLY, COMPLETE THREE SPOOL	1
	3-846-010159	VALVE ASSEMBLY, THREE SPOOL MOTOR 1ST	**1
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	2A0283-7214	SEAL, SPOOL	6
6	*	SPOOL, 4-WAY	**3,2
6A	*	MOTOR SPOOL, 4-WAY	**0,1
7	1R0017	RELIEF ASSEMBLY (1500 - 3000 PSI)(PRESET @ 2500 PSI)	1
8	*	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	CAP SCREW (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-rings)	1
20	2A283-7214	GROMMET, RUBBER (BOTTOM OUTLET)	1
21	1V1701	PIN KIT	3
22	2A0354-121	PLUG, CONVERSION	1
23	2V0010	SEAL KIT	

* NOT SOLD SEPARATELY.

** COMPONENT IS 3-SPOOL VALVE WITH 1ST STAGE MOTOR SPOOL USED IN PLANE-TARY WINCH APPLICATIONS.

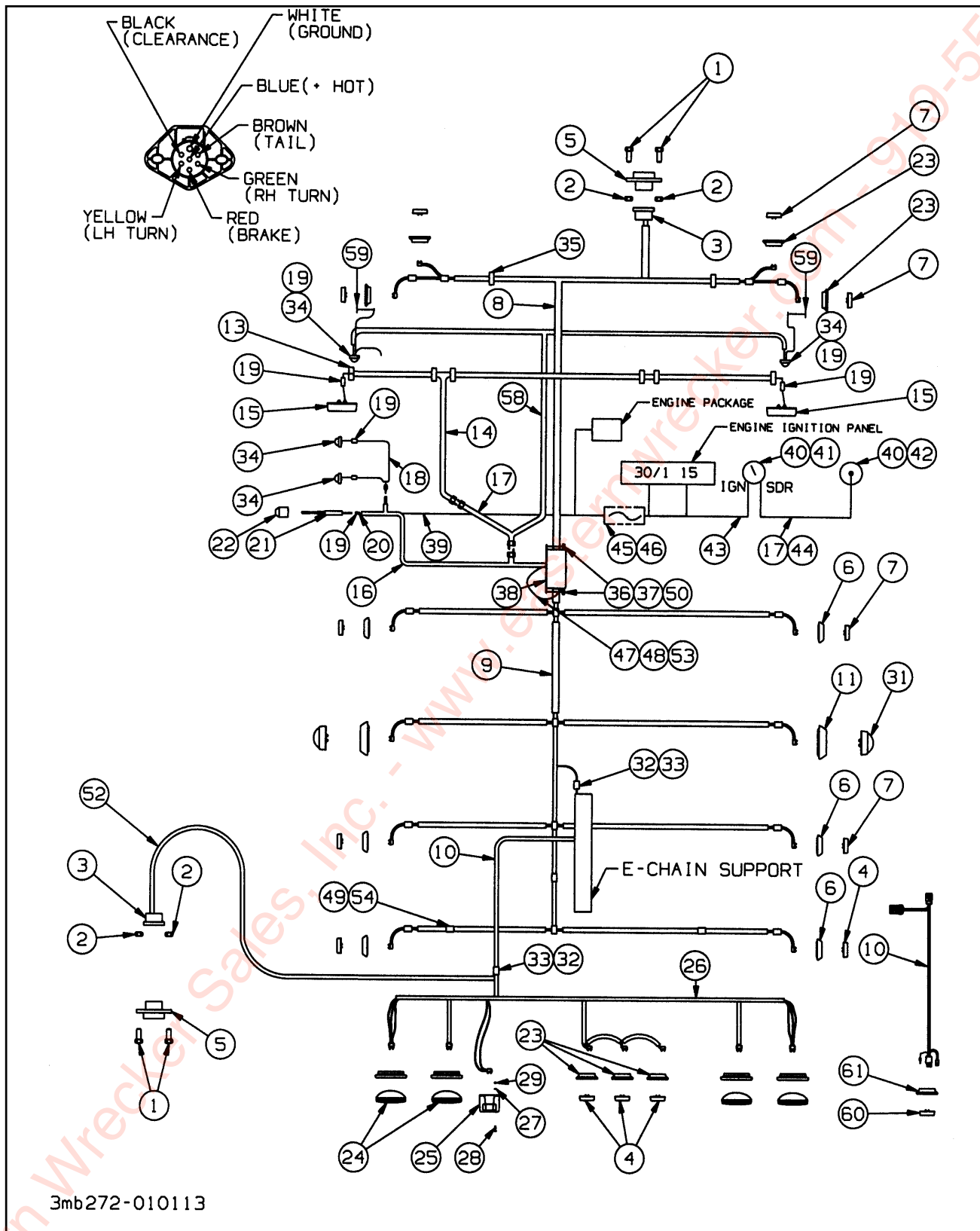


Figure 1-15 Electrical System Schematic

SCHEMATIC, ELECTRICAL SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.
	3-272-010113	ELECTRICAL INSTALLATION 600	
1	1-654-010049-06	SCREW, HEX HEAD CAP 5/16-18 X 1-1/4 GR5	2,2***
2	1-512-010005-03	NUT, HEX LOCK 5/16-18 GRB	2,2***
3	59W-2-3	BOOT, RUBBER	1,1***
4	10205R	LAMP, RED REFLECTOR	5
5	59S-7	RECEPTACLE, 7-PIN	1,1***
6	10403	GROMMET MOUNT	6
7	10205Y	LAMP, YELLOW REFLECTOR	8
8	3-368-010176	HARNESS ASSY, FRT, MAIN, 660	1
9	3-368-010177	HARNESS ASSY. BED 660-48	1
	3-368-010197	HARNESS ASSY. BED 660-53	1
10	3-156-010046	CABLE ASSY, 660	1
	102836	CABLE HARNESS - ABS ONLY (AFTER 3/1/98)	1
11	60700	GROMMET, LIGHT	2
	B3-272-076	ELECTRICAL, WORK LIGHT INST. (INCL 13- 20)	12
13	1-343-010010	GROMMET, 9/16 HOLE	6
14	3-368-010250	HARNESS, BLKHD LIGHTS - 600/317	1
15	64181	LAMP, RECT QUARTZ HALOGEN	2
16	3-368-010253	HARNESS ASSY, CONTROL PANEL 600	1
17	3-368-010252	HARNESS ASSY, BLKHD LIGHT EXT. 600	1
18	3-368-010254	HARNESS ADAPT ASSY, ENG LT PKG	1
19	STP147	CONNECTOR, BULLET MALE	2
20	STP164	CONNECTOR, BULLET FEMALE	1
21	3-272-010017	TOGGLE SWITCH, SEALED	1
22	81264	RUBBER BOOT FOR ELECT SWITCH	REF
23	10404	GROMMET MOUNT	7
24	*40002R	LAMP, TAIL, W/O REFLECTOR	4
	*40015R	LAMP, TAIL, W/ REFLECTOR	4
	*104159	LAMP, RED STOP/TURN/TAIL RECT	4
	*104160	GROMMET, RECTANGULAR LAMP	4
25	15009	LICENSE LAMP	1
26	3-368-010175	WIRING HARNESS, U/C 660 REAR	1
27	1-861-010034-07	WASHER, SPLIT LOCK #10	2
28	3/16X3/4RHD STV	BOLT ROUND HEAD STOVE 3/16X3/4	2
29	3/16-24HFN	NUT, HEX 3/16-24	2
30	60015Y	LIGHT, TURN & CLEARANCE W/GROM.(INCL.11&31)	2
31	60215Y	LAMP ONLY, TURN CLEARANCE	2
	94926	PLUG W/ PIGTAIL	2
32	1-510-010001	NUT, FLANGE 3/8-16	15,17**
33	2-181-010001	CLAMP, HOSE	14,16**
34	26331	LIGHT, PANEL	1
35	1-343-010007	GROMMET, CABLE	2
36	1-861-010032-06	WASHER, FLAT 1/4	2
37	1-512-010007-05	NUT, HEX 1/4-20 GRB	2
38	750-029	JUNCTION BOX, 7 STUD	1
39	1-879-010005120	WIRE, 14GR BRN	1
40	239-3646-4	TERMINAL, 14 AWGX#10 RING	1
41	1709A5911-01	FUEL GAUGE	REF
42	G430445-7	FUEL LEVEL SENDER	REF

SCHEMATIC, ELECTRICAL SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.
43	1-879-010005	WIRE, 14AWG BRN	REF
44	1-879-010005	WIRE, 14AWG BRN	REF
45	1-318-010010	FUSE HOLDER, INLINE 20 AMP	1
46	1-318-010011	FUSE, 20 AMP	1
47	3-203-010001	TERMINAL, RING 3/16 X 10 AWG	1
48	1-879-010010	WIRE, 14 AWG X 12" WHITE	1
49	W214S-1	CABLE, 2 WIRE 18 AWG PVC	5FT****
50	1-861-010034-09	WASHER, LOCK 1/4	2
51	1-796-010003-02	TIE WRAPS (NOT SHOWN)	2
52	3-156-010009612	CABLE 7X612	1***
53	239-3646-5	TERMINAL RING 1/4 X 14AWG	1
54	3-272-010021	CONNECTOR, BUTT W/SEAL 12 GA	4****
58	3-368-010276	HARNESS, TOOLBOX LIGHT - 600	1*****
59	1-654-010147-03	SCREW, RD HEAD SLF TAPPING #6-20 X 3/8	2*****
60	3-446-010046	LIGHT ABS LAMP 2.5" DIA AMBER - ABS ONLY	1
61	10404	GROMMET, MOUNT 3"	—

* 40002R LAMP WITHOUT REFLECTOR IS TO BE USED ON TRAILERS WITH REFLECTIVE TAPE ON THE BUMPER.

* 40015R LAMP WITH REFLECTOR IS TO BE USED ON TRAILERS WITHOUT REFLECTIVE TAPE ON THE BUMPER.

* 104159 LAMP WITHOUT REFLECTOR AND 104160 GROMMET IS TO BE USED ON 108" WIDE TRAILERS WITH REFLECTIVE TAPE ON THE BUMPER.

** THE FIRST QUANTITY IS FOR 48 UNITS AND THE SECOND QUANTITY IS FOR 53'UNITS.

*** OPTIONAL REAR 7-WAY RECEPTACLE (REF. B3-272-083).

**** OPTIONAL REAR LOWER DECK EXTENSION SLIDE OUT (REF. B7-542-012, B7-542-009, AND 3-276-010743)

*****OPTIONAL TOOL BOX LIGHT (REF. 3-272-010161)

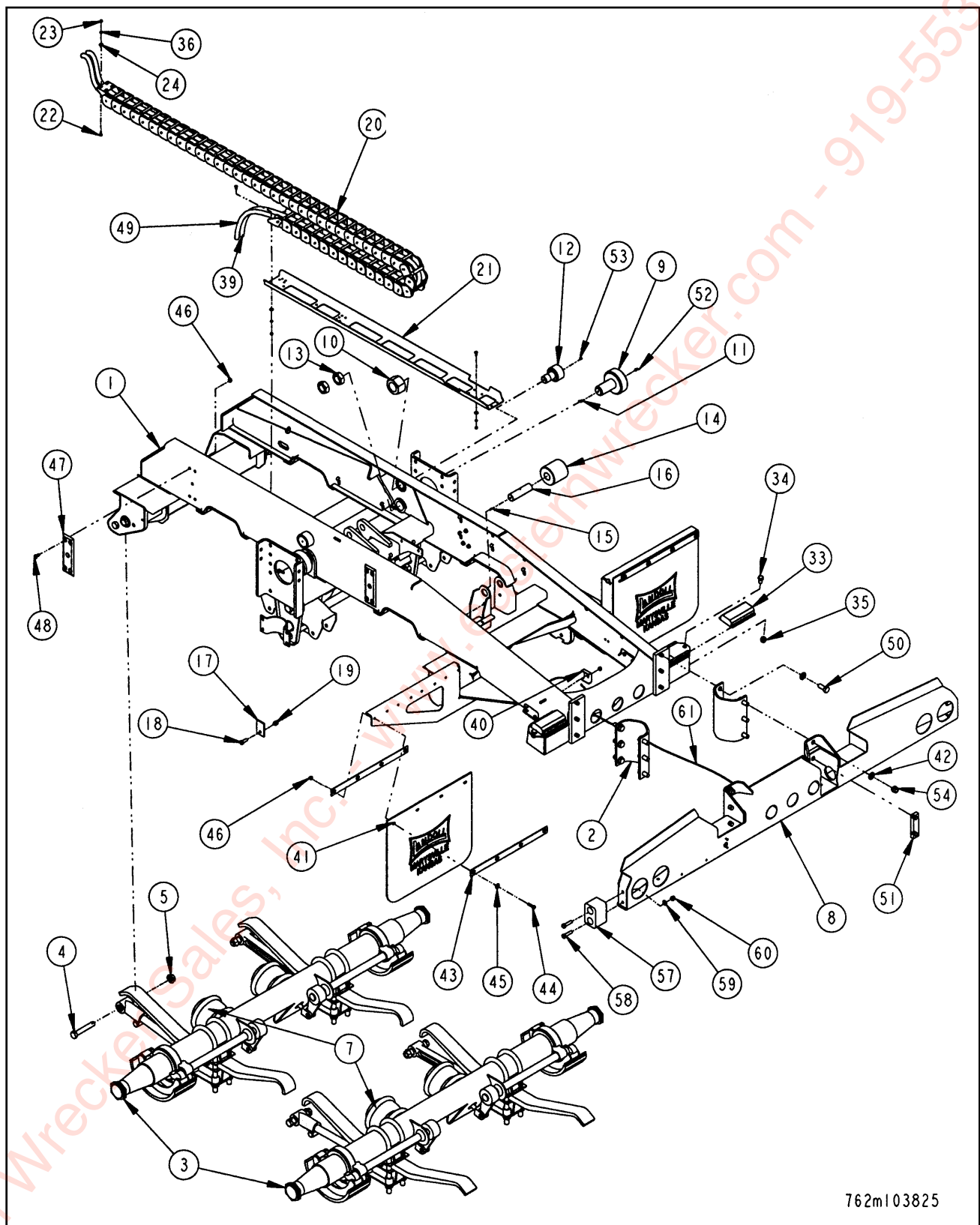


Figure 1-16 Undercarriage Assembly - Spring Suspension

UNDERCARRIAGE ASSEMBLY, SPRING SUSPENSION

ITEM	PART NO.	DESCRIPTION	QTY.
	103825	SUSPENSION, U/C ASSY SPRING W/O ABS	
	103826	SUSPENSION, U/C ASSY SPRING W/O ABS	
1	103824	SUSPENSION U/C WELDMENT SPRING 17.5	1
2	101143	MOUNT, BUMPER ENERGY PAK	2
3	3-762-010642-02	SUSPENSION AXLE ASSY, SPRING 2212X49 (FOR PARTS BREAKDOWN, SEE PAGE 1-33)	2
4	001-08	BOLT, 7/8-14 X 5-1/4 GR5	REF
5	0002-12	FLANGED LOCKNUT 7/8-14	REF
6	3-256-010003-04	DOCK LEVELER ASSEMBLY 40K SPRING (NOT SHOWN)(SEE PAGE 1-93)	1
	3-256-010003-05	DOCK LEVELER ASSEMBLY 60K SPRING (NOT SHOWN)(SEE PAGE 1-93)	1
7	3-011-010006-02	AIR SYSTEM, SPRING BRAKE TANDEM W/ CHAM (SEE PAGE 1-49)	1
8	101712	BUMPER WELDMENT E/P 102	1
9	3-076-010015	CAM FOLLOWER 5" DIA	2
10	104034	NUT HEX 2-12 GR2	2
11	5350	ZERK, FITTING 1/4	2
12	3-076-010022	CAM FOLLOWER 3" DIA	2
13	1-511-010001-14	NUT, HEX JAM 1-1/2-12 GR2	4
14	3-645-010084	ROLLER ASSEMBLY REAR U/C	1
15	1-298-010001-1	FITTING, GREASE 1/4-28 STR SHORT	1
16	3-557-010466-01	PIN, 1-1/2	1
17	3-187-010013	CLIP, PIN RETAINER	1
18	1-654-010055-02	SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5	1
19	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	1
20	3-755-010189	SUPPORT E-CHAIN	1
	3-755-010189-1	E-CHAIN LINK ASSEMBLY (38-06-075-0)	48
	385-06	E-CHAIN CROSSBAR	96
	38-01-075	E-CHAIN SIDE PIECE - LH	48
	38-02-075	E-CHAIN SIDE PIECE - RH	48
21	3-821-010005	TRAY, CAT TRACK	2
22	1-654-010158-01	SCREW, RD HEAD SQ NECK 1/4-20 X 3/4 GR5	1
23	1-512-010007-05	NUT, HEX 1/4-20 GR2	3
24	1-861-010032-07	WASHER, FLAT 1/4W	1
33	102698	PLATE, RUB BUMPER E/P	2
34	1-654-010059-01	SCREW HEX HEAD CAP 5/8-11 X 1 GR5	2
35	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	2
36	1-861-010034-09	WASHER SPLIT LOCK 1/4	13
37	1-796-010004-02	TIE, STRAP PLASTIC (NOT SHOWN)	AR
39	3-156-010046	CABLE, HARNESS	REF
40	2-181-010001	CLAMP	1
41	3-485-010001	MUD FLAP 21"	2
42	622-3511-008	WASHER, MIL-CARB	14
43	3-762-010017	CLAMP MUD FLAP	*2,4
44	1-654-010051-07	SCREW, HEX HEAD CAP 3/8-16 X 1-1/2 GR5	8
45	1-861-010032-11	WASHER FLAT 3/8	8
46	1-510-010001	NUT, FLANGE HEAD SERRATED 3/8-16	29
47	3-565-011251	PLATE RUB U/C	4

UNDERCARRIAGE ASSEMBLY, SPRING SUSPENSION

ITEM	PART NO.	DESCRIPTION	QTY.
48	1-654-010141-04	SCREW, HEX SOCKET CTSK 3/8-16 X 1 GR8	20
49	1-397-010369324	HOSE ASSEMBLY	1
50	1-654-010032-04	SCREW, HEX HEAD CAP 3/4-10 X 1-3/4 GR8	12
51	102283	BAR BUMPER E/P TAPPED	2
52	110-4950	FITTING, GREASE 1/4	2
53	5029	ZERK, FITTING	2
54	1-512-010002-15	NUT, HEX LOCK 3/4-10 GRC	2
56	242 LOCTITE	LOCTITE REMOVABLE (NOT SHOWN)	AR
57	**104045	EXTENSION, CANADIAN BUMPER 102	2
58	**1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	4
59	**1-861-010032-14	WASHER, FLAT 1/2N	4
60	**1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	4
61	3-368-010175	WIRE HARNESS, RR660	1

* FIRST QUANTITY IS FOR U.S. MODELS; SECOND QUANTITY IS FOR CANADIAN MODELS.

** THESE P/N'S USED ON CANADIAN MODELS ONLY.

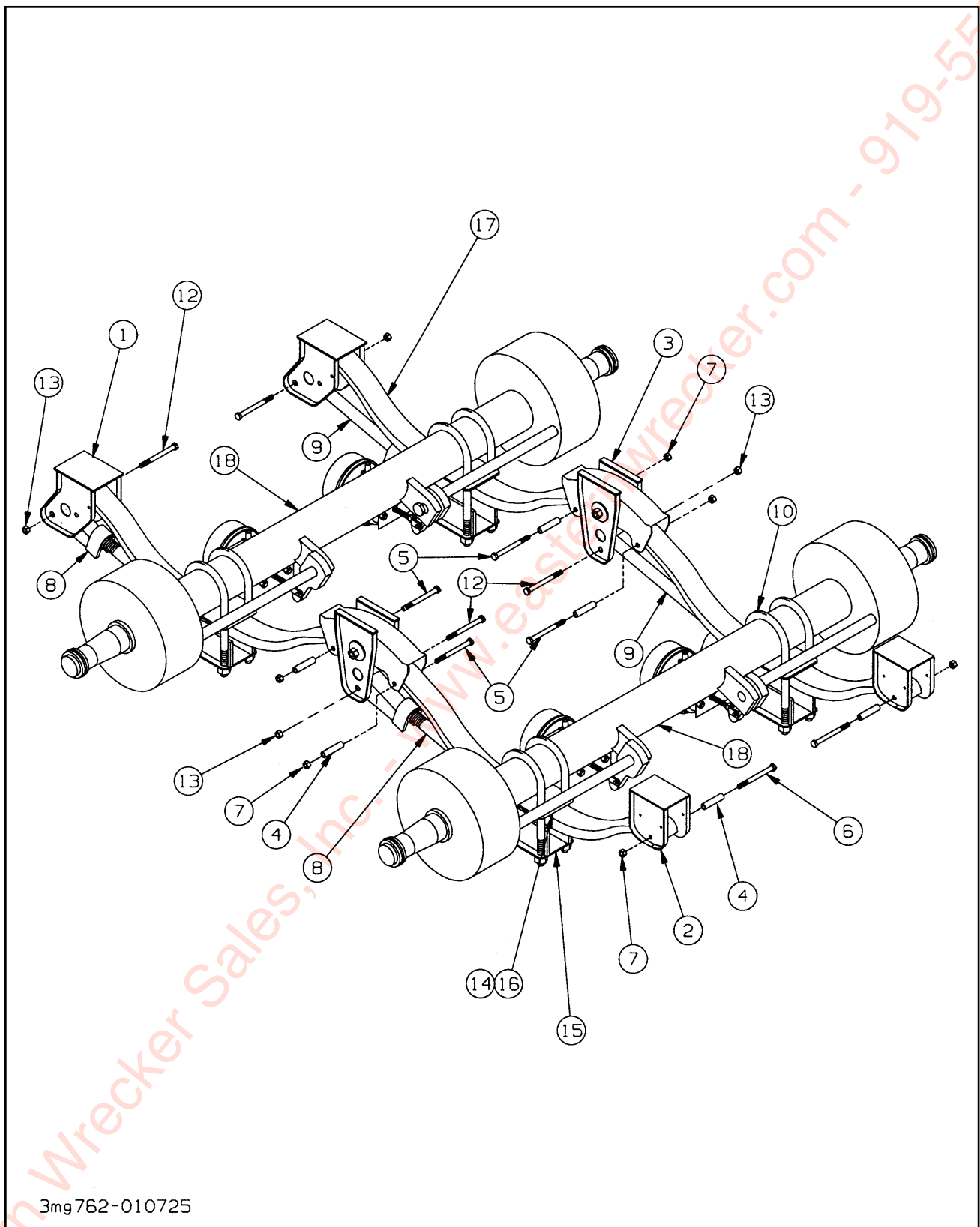


Figure 1-17 Suspension, Single Leaf Spring

SUSPENSION, SINGLE LEAF SPRING

ITEM	PART NO.	DESCRIPTION	QTY
	3-762-010642	SUSPENSION AXLE ASSEMBLY, SPRING	
	3-762-010640-01	HANGER KIT (CONTAINS ITEMS 1-7)	1
1	0084-00	FRONT HANGER, UNDER MOUNT	2
2	0086-00	REAR HANGER, UNDER MOUNT	2
3	0651-00	HANGER AND EQUALIZER ASSEMBLY	2
4	0741-01	SPRING ROLLER	6
5	0001-04	BOLT, 5/8"-18 X 4-1/2"	4
6	0001-02	BOLT, 5/8"-18 X 5-1/8"	2
7	0002-07	LOCKNUT, 5/8"-18	6
	3-762-010640-02	AXLE CLAMP KIT (ITEMS 8-17) 49" AXLE SPACING	1
	3-762-010640-03	AXLE CLAMP KIT (ITEMS 8,10-17) 50" AXLE SP.	-
8	1035-20	ADJ TORQUE ARM 19-7/8	2
9	0075-20	RIGID TORQUE ARM	2
10	0102-13	U-BOLT 7/8-14 X 13	8
12	0001-08	BOLT, 7/8"-14 X 5-1/4" LONG	8
13	0002-12	FLANGE LOCKNUT, 7/8"-14	24
14	0647-01	AXLE SEAT	4
15	0508-00	BOTTOM PLATE	4
16	0375-00	DELRI LINER	4
17	0714-00	SPRING, 1 LEAF HIGH ARCH (16-1/2 X 7 BRAKE)	4
	3-720-010074	SPRING, 1 LEAF LOW ARCH (12-1/4 X 7-1/2 BRAKE)	4
18	3-042-010130-02	AXLE, 70-1/2 TRK, 12-1/4X7-1/2 BRK 22,500 LB CAP.	2
	3-042-010132-02	AXLE, 70-1/2 TRK, 12-1/4X7-1/2 BRK 25,000 LB CAP.	2
	101702	AXLE, 78 TRK, 12-1/4X7-1/2 BRK 25,000 LB CAP.	2
	3-042-010140-02	AXLE, 69 TRK, 16-1/2X7 BRK 22,500 LB CAP.	2
	3-042-010141-01	AXLE, 69 TRK, 16-1/2X7 BRK 25,000 LB CAP.	2
	3-042-010141-02	AXLE, 67-1/2 TRK, 16-1/2X7 BRK 25,000 LB CAP. (FOR AXLE BREAKDOWNS, SEE PAGE 1-42)	2

NOTE: DASH NUMBERS ARE FOR THE FOLLOWING SUSPENSIONS:

- 01 - SUSPENSION WITH 67-1/2" TRACK, 16-1/2 X 7 BRAKE, AND 50" AXLE SPACING.
USE WITH 60,000# DOCK LEVELER. USE HUB AND DRUM 103779 AND 103780
(SEE PAGE 1-59).
- 02 - SUSPENSION WITH 70-1/2" TRACK, 12-1/4 X 7-1/2 BRAKE, AND 49" AXLE SPACING.
USE WITH 40,000# DOCK LEVELER. USE HUB AND DRUM 103245 AND 103246
(SEE PAGE 1-58).
- 03 - SUSPENSION WITH 67-1/2" TRACK, 16-1/2 X 7 BRAKE, AND 49" AXLE SPACING.
USE WITH 60,000# DOCK LEVELER. USE HUB AND DRUM 3-406-010065
(SEE PAGE 1-61).

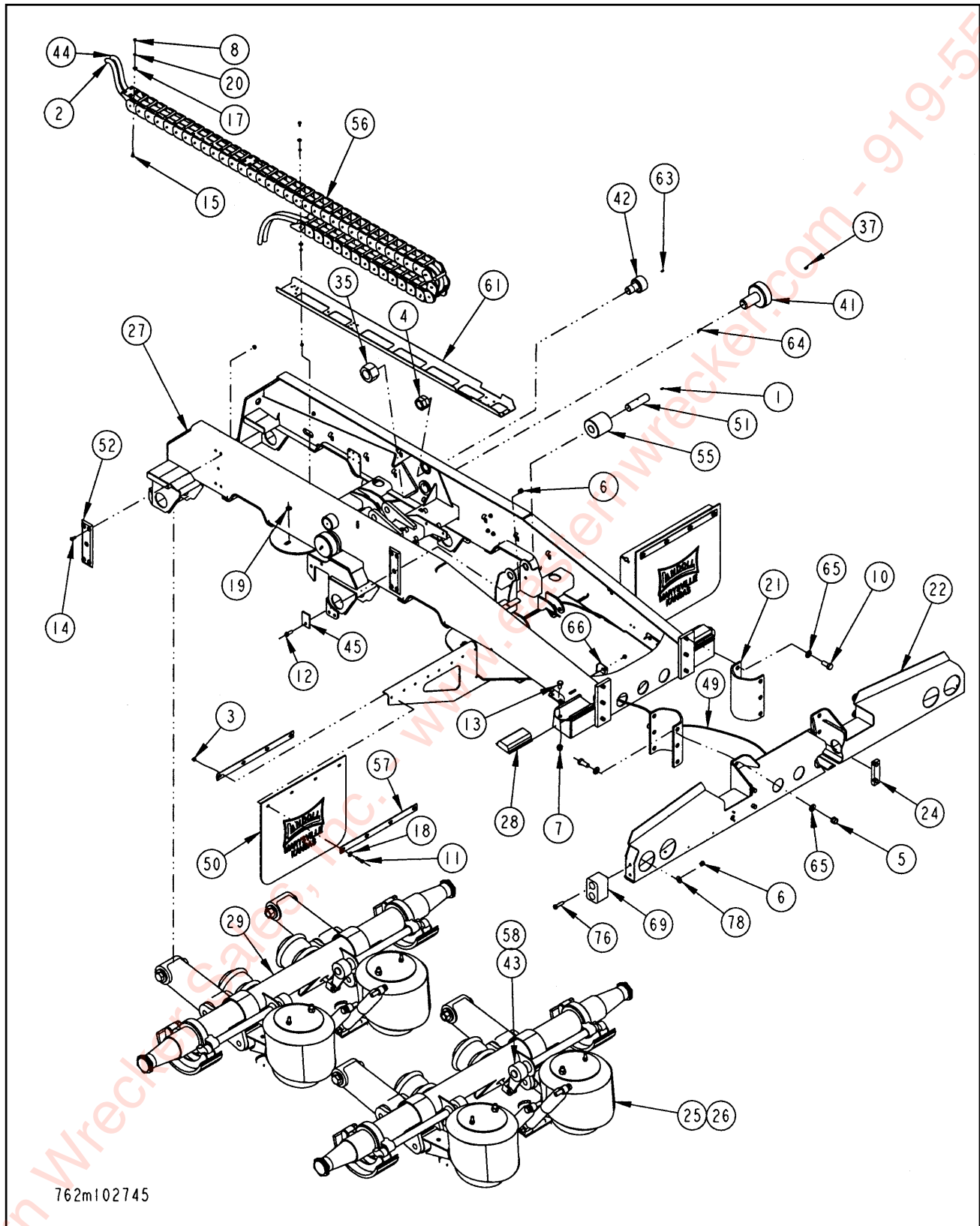


Figure 1-18 U/C Assembly, Air Ride Suspension (1 of 2)

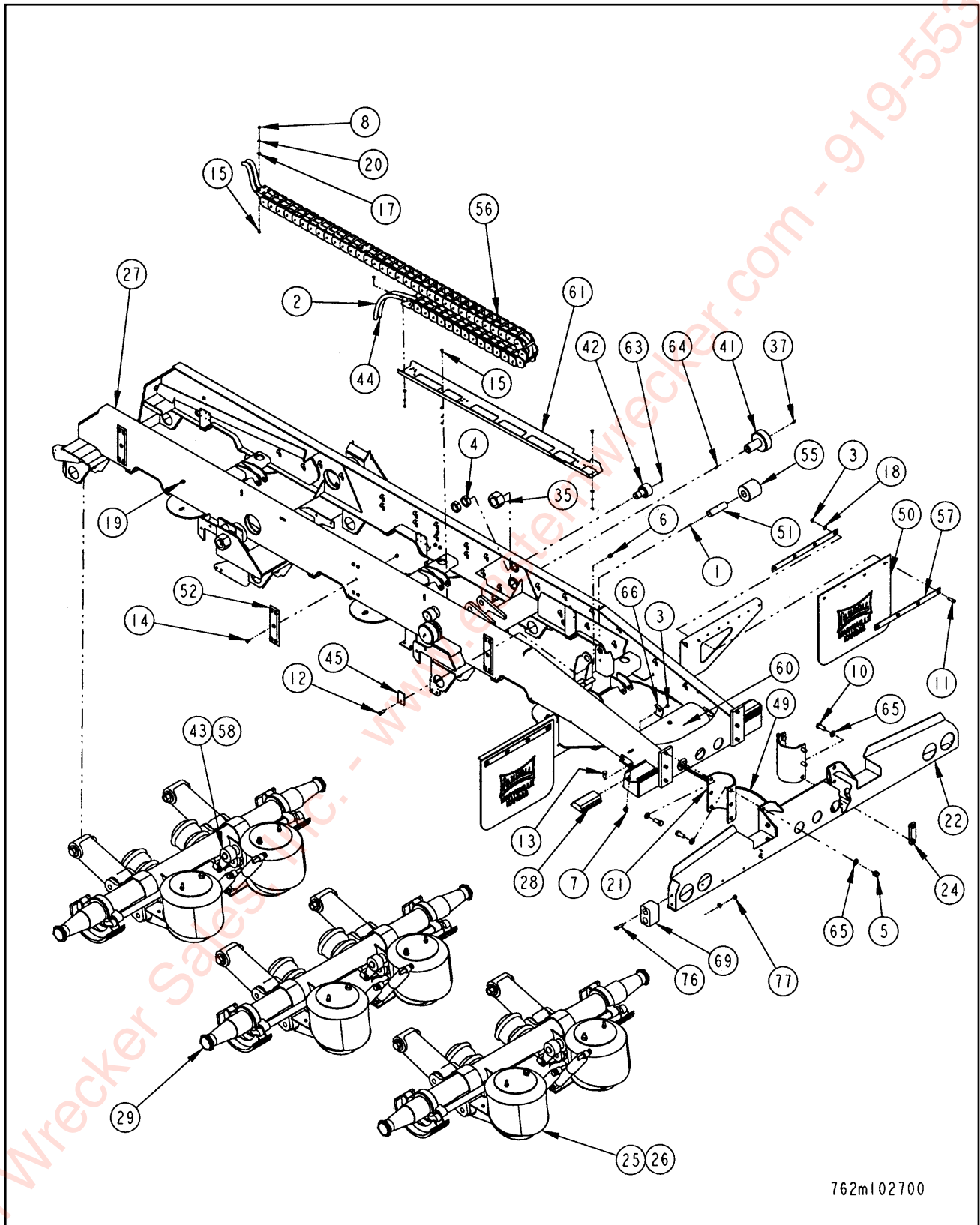


Figure 1-19 U/C Assembly, Air Ride Suspension (2 of 2)

UNDERCARRIAGE ASSY, AIR RIDE SUSPENSION

ITEM	PART NO.	DESCRIPTION	QTY.	
			TANDEM	TRIPLE
	103519	SUSPENSION U/C ASSY A/R ABS TANDEM	*	
	102745	SUSPENSION U/C ASSY A/R W/O ABS TANDEM	*	
	103991	SUSPENSION U/C ASSY A/R ABS TRIPLE		*
	102700	SUSPENSION U/C ASSY A/R W/O ABS TRIPLE		*
1	1-298-010001-1	ZERK FITTING 1/4	1	1
2	1-397-010369324	HOSE ASSEMBLY	1	1
3	1-510-010001	NUT, FLANGE LOCK 3/8-16	29	39
4	1-511-010001-14	NUT, HEX JAM 1-1/2-12	4	4
5	1-512-010002-15	NUT, HEX LOCK 3/4-10 GRC	2	2
6	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	1	1
7	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	2	2
8	1-512-010007-05	NUT, HEX 1/4-20 GRB	11	11,7
10	1-654-010032-04	SCREW, HEX HEAD CAP 3/4-10 X 1-3/4 GR8	12	12
11	1-654-010051-07	SCREW, HEX HEAD CAP 3/8-16 X 1-1/2 GR5	8	8
12	1-654-010055-02	SCREW, HEX HEAD CAP 1/2-13 X 1-1/4 GR5	1	1
13	1-654-010059-01	SCREW, HEX HEAD CAP 5/8-11 X 1-1/4 GR5	2	2
14	1-654-010141-04	SCREW, HEX SOCKET FL CAP 3/8-16 X 1 GR8	20	30
15	1-654-010158-1	SCREW, RD HEAD SQ NECK 1/4-20 X 3/4 GR2	11	11,7
16	1-796-010004-02	TIE, STRAP, PLASTIC	4	4
17	1-861-010032-07	WASHER, FLAT 1/4	11	11,7
18	1-861-010032-11	WASHER, FLAT 3/8W	8	8
19	1-861-010032-14	WASHER, FLAT 1/2	4	6,10
20	1-861-010034-09	WASHER, SPLIT LOCK 1/4	11	11,7
21	101143	MOUNT, BUMPER ENERGY PAK	2	2
22	101712	BUMPER WELDMENT E/P 102	1	1
	105562	BUMPER WELDMENT E/P 108	—	1
24	102283	BAR, BUMPER E/P TAPPED	2	2
25	102363	SUSPENSION ADJ RLU-228-3.5 (SEE PAGE 1-45)	2	3
26	102364	SUSPENSION ADJ RLU-228-5.5 (SEE PAGE)	2	3
27	102659	SUSPENSION WELDMENT E/P ABS A/R 660	1	—
	102662	SUSPENSION WELDMENT E/P ABS A/R 610-102	—	1
	104923	SUSPENSION WELDMENT E/P ABS A/R 610-108	—	1
28	102698	NYLATRON RUB PLATE	2	2
29	102667	AXLE WELDMENT A/R 228 D2212-SPG-70.5	2	2
	102702	AXLE WELDMENT A/R 228 D2216-SPG-69	2	2
	102703	AXLE WELDMENT A/R 228 D2512-SPG-70.5	2	2
	102704	AXLE WELDMENT A/R 228 D2512-SER-70.5	—	1
	102707	AXLE WELDMENT A/R 228 D2516-SPG-69	2	2
	102708	AXLE WELDMENT A/R 228 D2516-SER-69	—	1
	102796	AXLE WELDMENT A/R 228 D2212-SPG-67.5	2	2
	102705	AXLE WELDMENT A/R 228 D2512-SPG-78	2	2
	102706	AXLE WELDMENT A/R 228 D2512-SER-78	2	2,1
	102709	AXLE WELDMENT A/R 228 D2516-SPG-76.5	2	2
	102710	AXLE WELDMENT A/R 228 D2516-SER-76.5	2	2,1
	105823	AXLE WELDMENT A/R 228 D2512-SPG-78	2	2
	105824	AXLE WELDMENT A/R 228 D2516-SER-76.5 (FO BREAKDOWNS, SEE PAGE AND 1-45)	2	2
35	104034	NUT, HEX 2-12 GR2	2	4
37	110-4950	ZERK, 1/4 NPT STR	2	4

UNDERCARRIAGE ASSY, AIR RIDE SUSPENSION

ITEM	PART NO.	DESCRIPTION	QTY.	
39	242 LOCTITE	LOCTITE, REMOVABLE (NOT SHOWN)	AR	AR
40	103815	AIR SYSTEM, U/C ABS TANDEM(SEE PAGE 1-47)	1	—
	3-011-010006-01	AIR SYS, U/C W/O ABS TNDM(SEE PAGE 1-49)	1	—
	103816	AIR SYSTEM, U/C ABS TRIPLE (SEE PAGE 1-51)	—	1
	3-011-010006-03	AIR SYS., U/C W/O ABS TRIPLE (SEE PAGE 1-53)	—	1
41	3-076-010015	CAM FOLLOWER 5" DIA	2	4
42	3-076-010022	CAM FOLLOWER 3" DIA	2	2
44	102836	CABLE HARNESS W/ ABS	1	1
	3-156-010046	CABLE HARNESS W/O ABS	1	1
45	3-187-010013	CLIP, PIN RETAINER	1	1
46	3-256-010003-01	DOCK LEVELER ASSY, 40K (SEE PAGE 1-93)	1	—
	3-256-010003-02	DOCK LEVELER ASSY, 60K (SEE PAGE 1-93)	1	—
	3-256-010003-08	DOCK LEVELER ASSY, 60K (SEE PAGE 1-93)	—	1
	3-256-010004-01	DOCK LEVELER ASSY, 2X 40K (SEE PAGE 1-93)	—	1
	3-256-010004-02	DOCK LEVELER ASSY, 2X 60K (SEE PAGE 1-93)	—	1
	105807	DOCK LEVELER ASSY, 60K- 108(SEE PAGE 1-93)	—	1
	105805	DOCK LEVELER ASSY, 2X 40K-108(SEE PG 1-93)	—	1
	105804	DOCK LEVELER ASSY, 2X 60K-108(SEE PG 1-93)	—	1
49	3-368-010175	WIRE HARNESS	1	1
50	3-485-010001	MUD FLAP, 21"	2	2
51	3-557-010466-01	PIN, 1-1/2	1	1
52	3-565-011218	PLATE, RUB U/C	4	6
55	3-645-010084	ROLLER ASSEMBLY, REAR U/C	1	1
56	3-755-010189	SUPPORT, E-CHAIN	1	1
	3-755-010189-1	E-CHAIN LINK ASSEMBLY (38-06-075-0)	48	48
	385-06	E-CHAIN CROSSBAR	96	96
	38-01-075	E-CHAIN SIDE PIECE - LH	48	48
	38-02-075	E-CHAIN SIDE PIECE - RH	48	48
57	3-762-010017	CLAMP, MUD FLAP	**2,4	**2,4
60	3-780-010002	AIR TANK	REF	REF
61	3-821-010005	TRAY, CAT TRACK	1	1
63	5029	ZERK, 1/4 STR DRIVE -IN	2	2
64	5350	ZERK, FITTING	2	4
65	622-3511-008	WASHER, 3/4N	14	14
66	2-181-010001	CLAMP, HOSE	1	1
69	***104045	EXTENSION, CANADIAN BUMPER 102	2	2
73	103082	SUSP AIR SYS. 49" TANDEM (SEE PAGE 1-39)	1	—
	***103084	SUSP. AIR SYS TRIDEM (SEE PAGE 1-39)	—	1
76	***1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13 X 2 GR5	4	4
77	***1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	4	4
78	***1-861-010032-15	WASHER, FLAT 1/2W	4	4

** FIRST QUANTITY IS FOR U.S. MODELS; SECOND QUANTITY IS FOR CANADIAN MODELS.

*** THESE P/N'S USED ON CANADIAN MODELS ONLY.

NOTE:

ALL U/C ASSEMBLY, AIR RIDE SUSPENSION ARE AVAILABLE W/O DOCK LEVELERS, W/ 40K DOCK LEVELER ASSEMBLY, OR W/ 60K DOCK LEVELER ASSEMBLY.

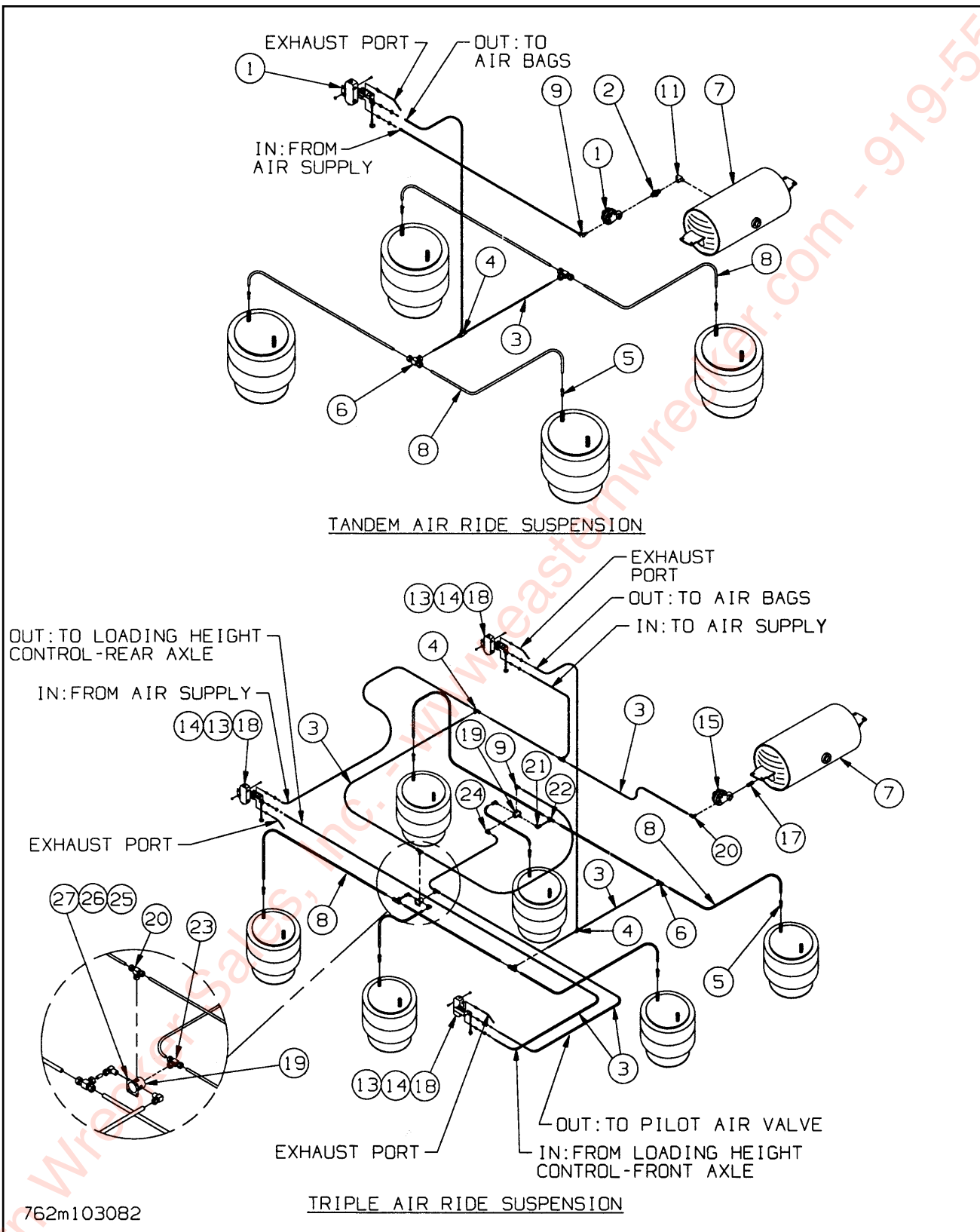


Figure 1-20 Air Ride Suspension, Air System

AIR RIDE SUSPENSION AIR SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY.	
			TANDEM	TRIPLE
	103082	AIR RIDE, AIR SYSTEM (TANDEM)		
	103084	AIR RIDE, AIR SYSTEM (TRIPLE)		
1	102732	AIR CONTROL KIT NEWAY (SEE PAGE 1-40)	1	-
2	2083-8-4S	NIPPLE, HEX 1/2 - 1/4	1	-
3	1-833-010001	TUBING NYLON 1/4 OD	18	19
4	1-297-010010-01	FITTING AIR UNION TEE	1	3
5	1-297-010007-11	FITTING AIR	4	6
6	1-297-010010-04	FITTING AIR UNION TEE	2	2
7	3-780-010002	TANK AIR	REF	REF
8	1-833-010002	TUBING NYLON 3/8 OD	7.5	24
9	1-297-010008-07	FITTING AIR 90	1	1
11	1-297-010018-04	FITTING BRASS PIPE STREET TEE	1	-
13	1-512-010005-01	NUT HEX LOCK 1/4-20 GRB	-	6
14	1-654-010047-04	SCREW HEX HEAD CAP 1/4-20 X 3/4 GR5	-	6
15	905-54-107	BRAKE PROTECTION VALVE	-	1
16	1-796-010004-02	TIE STRAP PLASTIC (NOT SHOWN)	15	15
17	2083-8-4S	NIPPLE HEX	-	1
18	3-843-010034	VALVE AIR RIDE HEIGHT CONTROL	-	3
19	900-54-079	PILOT VALVE	-	2
20	1-297-010015-03	FITTING AIR BRANCH TEE	-	1
21	1-297-010008-18	FITTING AIR 90	-	4
22	1-297-010010-03	FITTING AIR UNION TEE 3/8	-	2
23	1-297-010015-02	FITTING AIR BRANCH TEE	-	1
24	1-297-010008-05	FITTING AIR 90	-	1
25	1-656-010003051	SCREW RH HD MACH #10-24 X 3/4	-	8
26	1-861-010034-07	WASHER SPLIT LOCK #10	-	8
27	1-512-010007-03	NUT HEX 10-24	-	8

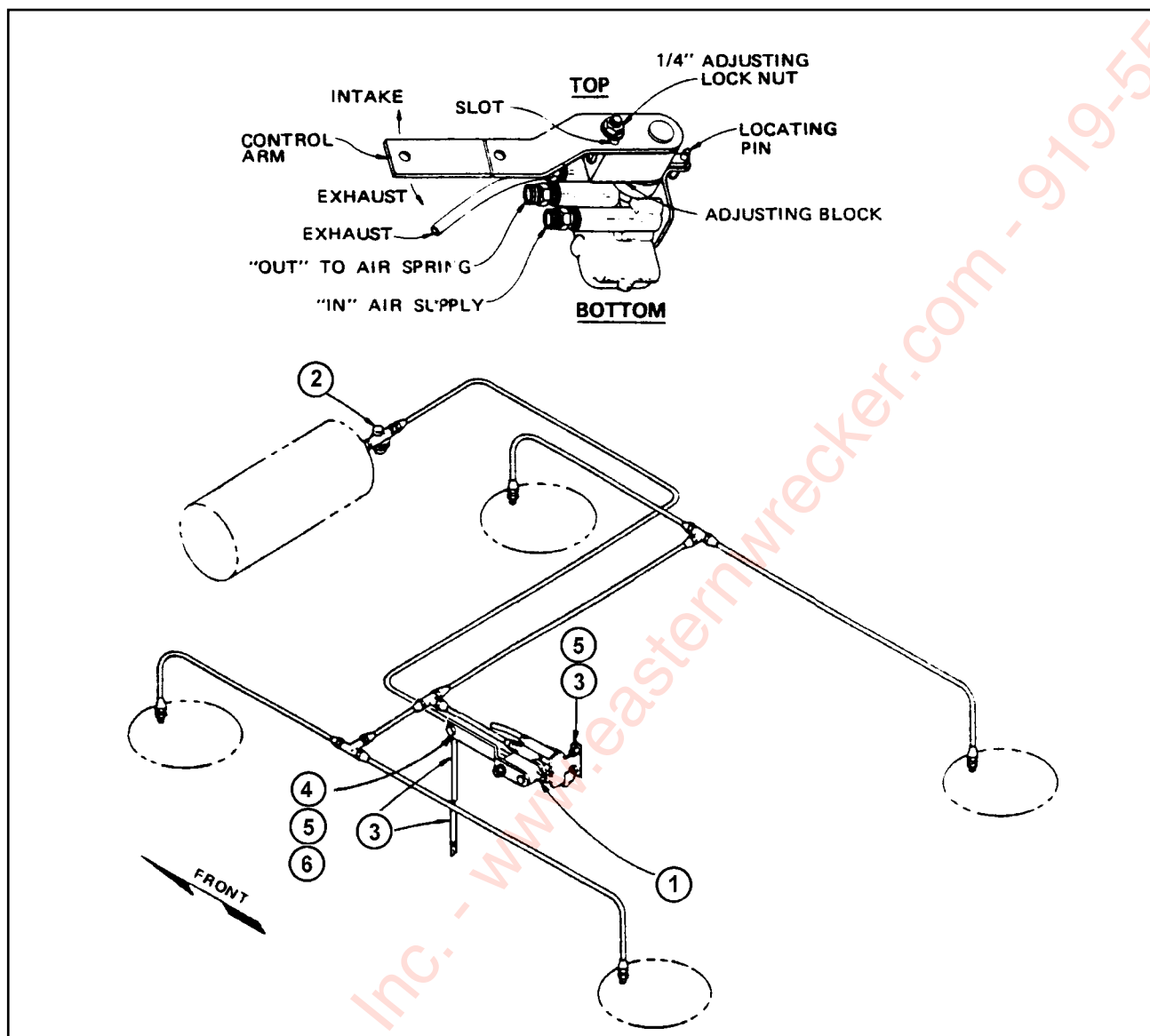


Figure 1-21 Air Control Kit

AIR CONTROL KIT

ITEM	PART NO.	DESCRIPTION	QTY..
	102732	AIR CONTROL KIT NEWAY	
1	900 54 007	HEIGHT CONTROL VALVE	1
2	905 54 107	AIR PRESSURE PROTECTION VALVE & FILTER	1
3	481 00 224	SRK - 167 KIT (ADJ. LINK ASSY)	1
4	930 02 349	CAP SCREW 1/4-20 X 3/4	2
5	934 00 060	LOCK NUT 1/4-20	2
6	941 00 119	DECAL (OPERATING)	1
7	941 00 466	HEIGHT CONTROL VALVE INSTRUCTIONS	1

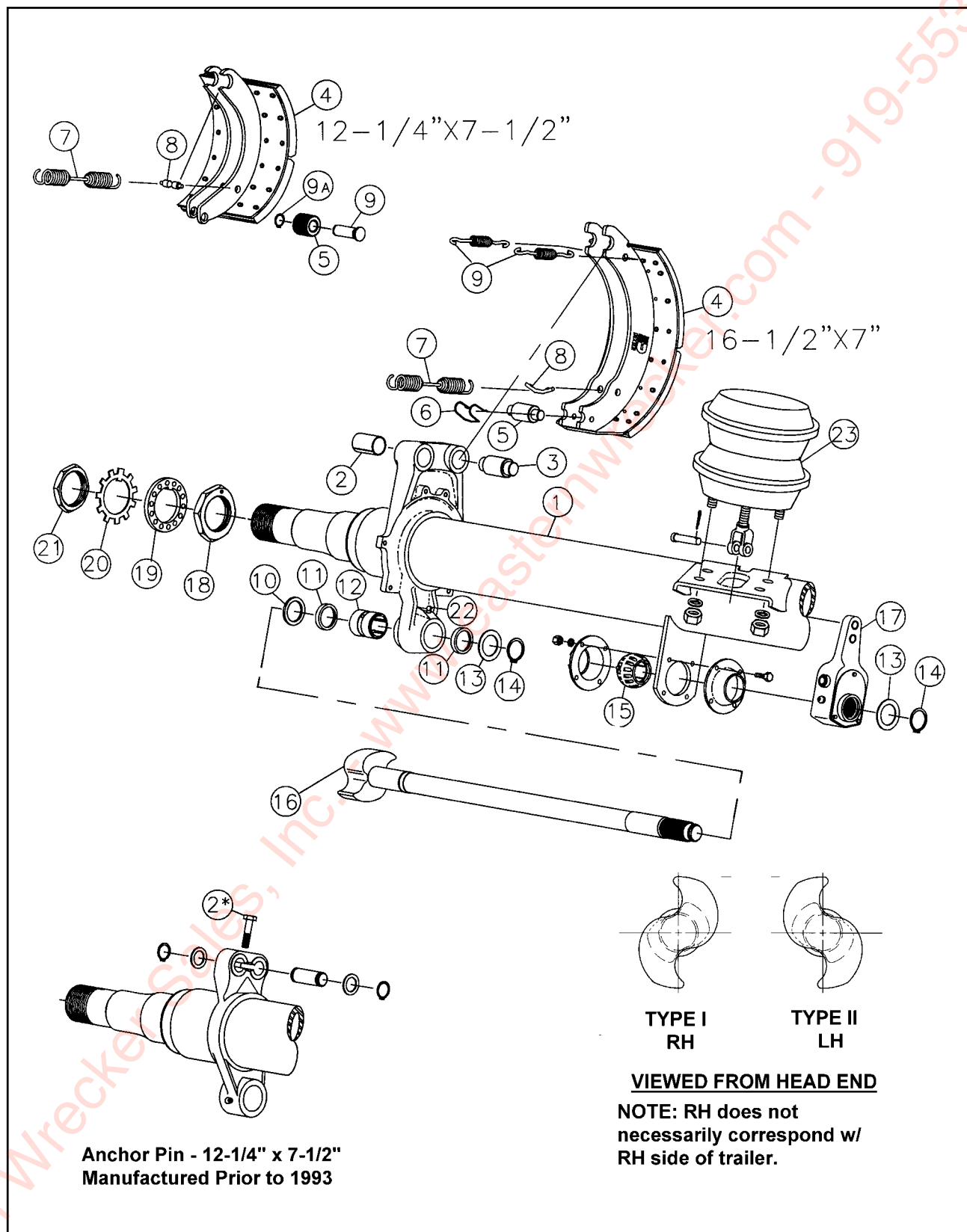


Figure 1-22 Axle and Brake Assembly

AXLE AND BRAKE ITEMS (DEXTER)

ITEM	PART NO.	DESCRIPTION	QTY.
	3-042-010130-02	AXLE ASSEMBLY, 12.25 X 7.5 SPG BRK, 70-1/2 TRK (TANDEM 22,500LB)	
	3-042-010130-03	AXLE ASSEMBLY, 12.25 X 7.5 SPG BRK, 70-1/2 TRK (TANDEM 22,500LB)	
	3-042-010132-02	AXLE ASSEMBLY, 12.25 X 7.5 SPG BRK, 70-1/2 TRK (TRIPLE 25,000 LB)	
	3-042-010133-02	AXLE ASSEMBLY, 12.25 X 7.5 SER BRK, 70-1/2 TRIPLE, 25,000 LB)	
	101702	AXLE ASSEMBLY, 12.25 X 7.5 SPG BRK, 78 TRK (TRIPLE 25,000 LB)	
	105357	AXLE ASSEMBLY, 12.25 X 7.5 SER BRK, 78 TRK (TANDEM 25,000LB)	
	3-042-010140-02	AXLE ASSEMBLY, 16-1/2X7 SPG BRK, 69 TRK, 22,500 LB CAP.	
	3-042-010141-01	AXLE ASSY, 16.5X7 SPG BRK, 69 TRK (255/70 R 22.5 TIRES, 25,000LB)	
	3-042-010141-02	AXLE ASSY, 16-1/2X7 BRK 67-1/2 TRK 25,000 LB CAP.	
	3-042-010142-01	AXLE ASSY, 16.5X7SER BRK, 69 TRK (275/70 R 22.5 TIRES, 25,000 LB)	
	105358	AXLE ASSEMBLY 16.5X7 SPG BRK, 76 TRK (275/70 R 22.5 TIRES, 25,000 LB)	
	105359	AXLE ASSEMBLY 16.5X7SER BRK, 76 TRK (275/70 R 22.5 TIRES, 25,000 LB)	
1*	D-2212-70.5	BEAM W/ BRACKETS (12.25 X 7.5 BRAKE)	1
	D-2212-67.5	BEAM W/ BRACKETS (12.25 X 7.5 BRAKE)	1
	D-2216-69	BEAM W/ BRACKETS (16.5 X 7 BRAKE)	1
	D-2512-70.5	BEAM W/ BRACKETS (12.25 X 7.5 BRAKE)	1
	D-2512-78	BEAM W/ BRACKETS (12.25 X 7.5 BRAKE)	1
	D-2516-69	BEAM W/ BRACKETS (16.5 X 7 BRAKE)	1
	D-2516-76	BEAM W/ BRACKETS (16.5 X 7 BRAKE)	1
	**K71-098-00	BRAKE SHOE HDWR KIT(12.25X7.5) (ITEMS 2, 3, 5, 6, 7, 8, & 9)	
	**K71-136-00	BRAKE SHOE HDWR KIT (16.5 X 7) (ITEMS 2, 3, 5, 6, 7, 8, & 9)	
2**	007-137-00	BOLT, ANTI-ROTATION (12.25 X 7.5 BRAKE)	2
	014-068-00	BUSHING, ANCHOR PIN (12.25 X 7 BRAKE)	4
	014-068-00	BUSHING, ANCHOR PIN (16.5 X 7 BRAKE)	4
3**	056-011-00	PIN, ANCHOR (12.25 X 7.5 BRAKE)	4
	056-017-00	PIN, ANCHOR (16.5 X 7 BRAKE)	4
4	040-320-01	BRAKE SHOE AND LINING (12.25 X 7.5 BRAKE)	4
	040-175-02	BRAKE SHOE, LINING, & ROLLER, LH (12.25 X 7.5 BRAKE)	2
	040-175-03	BRAKE SHOE, LINING, & ROLLER, RH (12.25 X 7.5 BRAKE)	2
	K71-133-00	BRAKE BLOCK KIT -LINING & RIVETS(12.25 X 7.5 BRAKE)	4
	040-180-00	BRAKE SHOE AND LINING (16.5 X 7 BRAKE)	4
	040-180-01	BRAKE SHOE, LINING, ROLLER & RETAINER (16.5X7 BRK)	4
	K71-138-00	BRAKE BLOCK KIT -LINING AND RIVETS (16.5 X 7 BRAKE)	4
5**	014-057-00	ROLLER, KNURLED (12.25 X 7.5 BRAKE)	4
	014-065-00	ROLLER, KNURLED (16.5 X 7 BRAKE)	4

AXLE AND BRAKE ITEMS (DEXTER)

ITEM	PART NO.	DESCRIPTION	QTY.
6**	005-073-00	WASHER, ANCHOR PIN (12.25 X 7.5 BRAKE)	8
	071-122-00	RETAINER, ROLLER (16.5 X 7 BRAKE)	4
6A**	069-019-00	RETAINER, ANCHOR PIN(12.25 X 7.5 BRAKE ONLY)	8
7**	046-092-00	SPRING, SHOE RETURN (12.25 X 7.5 BRAKE)	2
	046-096-00	SPRING, SHOE (16.5 X 7 BRAKE)	2
8**	056-012-00	RETAINER, PIN SHOE RETURN SPRG(12.25 X 7.5 BRAKE)	4
	056-018-00	RETAINER, RETRACTOR SPRING (16.5 X 7 BRAKE)	4
9**	056-010-00	PIN, SHOE ROLLER (12.25 X 7.5 BRAKE)	4
	046-097-00	SPRING, SHOE KEEPER (16.5 X 7 BRAKE ONLY)	4
9A**	069-018-00	RETAINER ROLLER PIN (12.25 X 7.5 BRAKE ONLY)	4
	***K71-101-00	CAMSHAFT REPAIR KIT (12.25 X 7.5) (ITEMS 10-15, & 22)	
	***K71-135-00	CAMSHAFT REPAIR KIT (16.5 X 7) (ITEMS 10-15, & 22)	
10***	005-074-00	D" WASHER (12.25 X 7.5 BRAKE)	2
	005-096-00	WASHER CAMSHAFT (16.5 X 7 BRAKE)	2
11***	010-052-00	SEAL GREASE	4
12***	014-056-00	BUSHING CAMSHAFT SPIDER	2
13***	005-075-00	WASHER CAMSHAFT(12.25 X 7.5 BRAKE)	4
	005-097-00	WASHER CAMSHAFT(16.5 X 7 BRAKE)	4
14***	069-020-00	RETAINER CAMSHAFT	2
15***	014-058-00	BUSHING CAMSHAFT SUPPORT	2
16	034-188-03	CAMSHAFT, 22-5/16" LH(12.25X7.5 BRK, 70.5 TRK)	1
	034-189-03	CAMSHAFT, 22-5/16" RH(12.25X7.5 BRK, 70.5 TRK)	1
	034-188-00	CAMSHAFT, 21-1/8" LH(12.25X7.5 BRAKE, 67.5 TRK)	1
	034-189-00	CAMSHAFT, 21-1/8" RH(12.25X7.5 BRAKE, 67.5 TRK)	1
	034-192-05	CAMSHAFT, 22-5/8" LH (16.5 X 7 BRAKE, 69 TRK)	1
	034-193-05	CAMSHAFT, 22-5/8"RH (16.5 X 7 BRAKE, 69 TRK)	1
	034-188-09	CAMSHAFT, 26-1/2" LH(12.25X7.5 BRK, 78 TRK)	1
	034-189-09	CAMSHAFT, 26-1/2" RH(12.25X7.5 BRK, 78 TRK)	1
	034-192-08	CAMSHAFT, 25" LH (16.5 X 7 BRAKE, 76 TRK)	1
	034-193-08	CAMSHAFT, 25"RH (16.5 X 7 BRAKE, 76 TRK)	1
17	055-040-07	SLACK ADJUSTER, AUTOMATIC (12.25 X 7.5 BRAKE)	2
	3-128-010030	SLACK ADJUSTER, AUTOMATIC (16.5 X 7 BRAKE)	2
18	006-114-00	NUT, INNER SPINDLE	2
19	005-098-00	WASHER, SPINDLE LOCK	2
20	005-099-00	WASHER, TABBED SPINDLE LOCK	2
21	006-115-00	NUT, OUTER SPINDLE	2
22***	061-006-00	FITTING, GREASE 45°	2
23	034-058-07	CHAMBER, SPRING BRAKE (12.25 X 7.5 BRAKE)	2
	034-058-01	CHAMBER, SPRING BRAKE (16.5 X 7 BRAKE)	4
	034-057-07	CHAMBER, TRIPLE AXLE SERVICE BRK(12.25X7.5 BRAKE)	2
	034-057-01	CHAMBER, TRIPLE AXLE SERVICE BRK(16.5 X 7 BRAKE)	2

* WHEN ORDERING THE BEAM WITH SPINDLE, SPIDER, AND BRACKETS ATTACHED, YOU WILL NEED THE SERIAL NUMBER ON AXLE BEAM, MODEL, SIZE, TRACK LENGTH, BRAKE SIZE, AND CAMSHAFT LENGTH.

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

*** THESE PARTS ARE AVAILABLE AS PART OF THE CAMSHAFT REPAIR KIT LISTED.

NOTE: FOR HUB AND DRUM INFORMATION, SEE PAGES 1-58 TO 1-61.

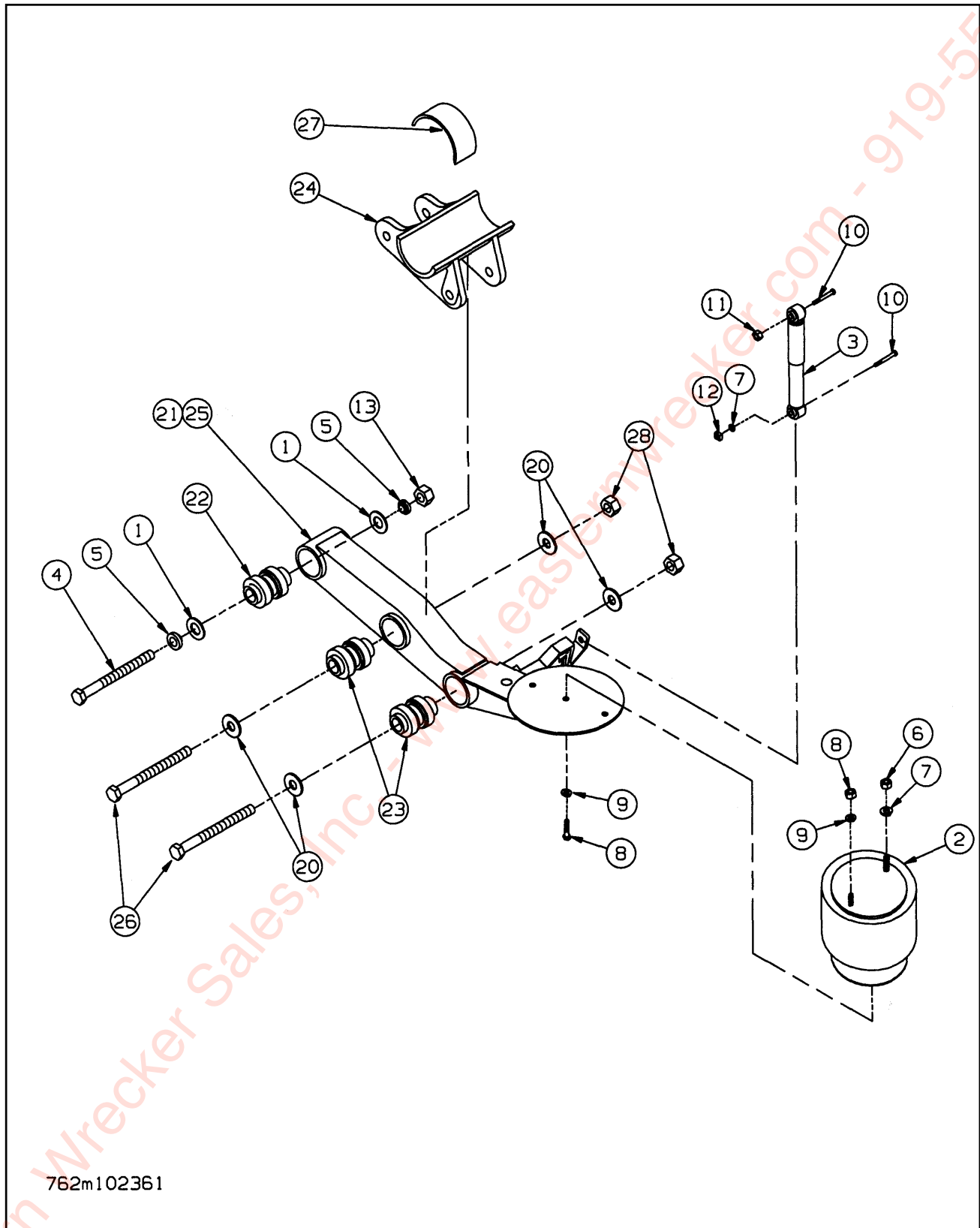
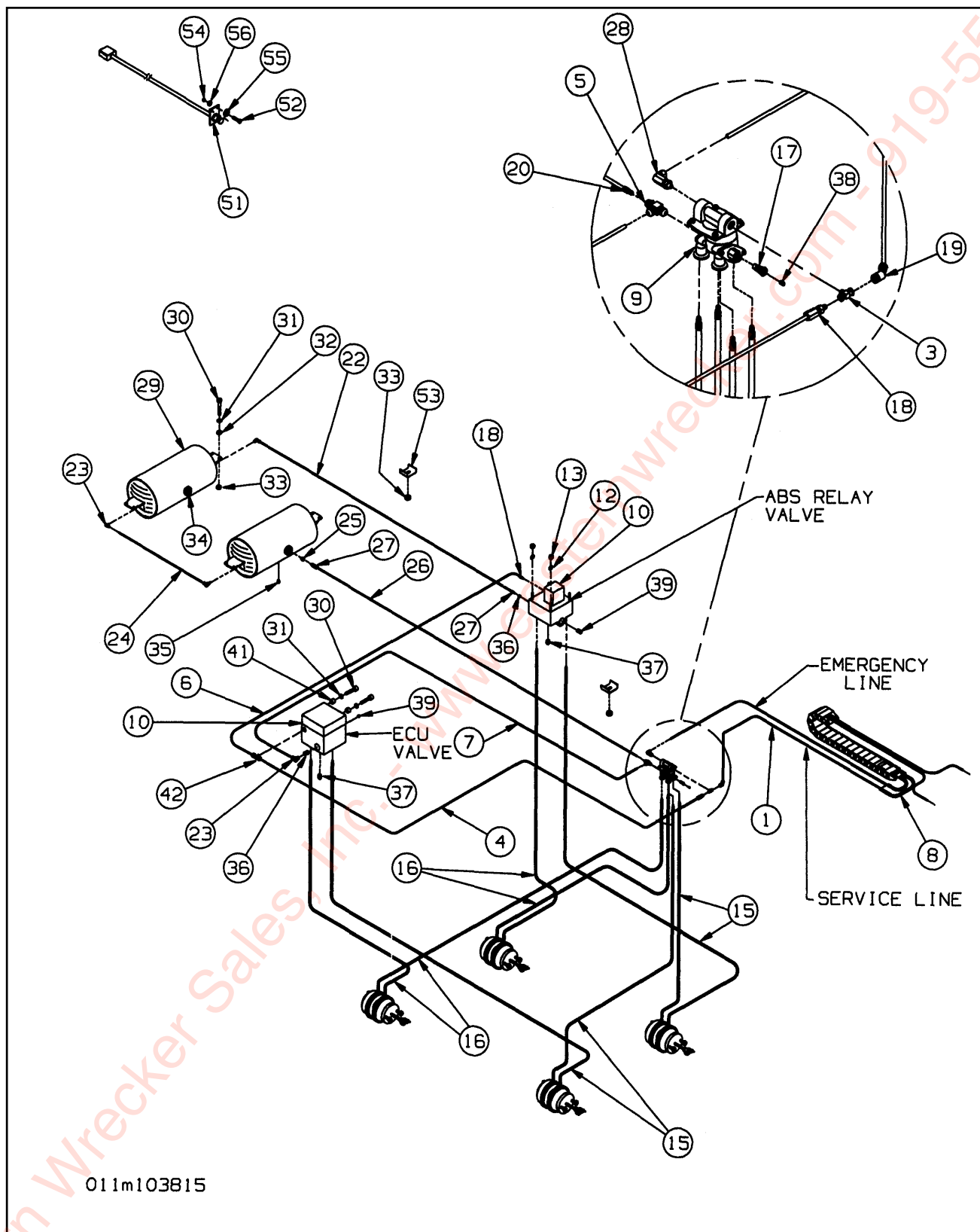


Figure 1-23 Suspension Hanger RLU-228

SUSPENSION HANGER RLU-228

ITEM	PART NO.	DESCRIPTION	QTY.
	102363	SUSPENSION, ADJ. RLU-228-3.5 (INCL ITEMS 1-19)	
	102361	SUSPENSION, BEAM. RLU-228(INCL ITEMS 20-28)	
1	90036177	FLAT WASHER	2
2	90557129	AIR SPRING ASSEMBLY	2
3	90045040	SHOCK	2
4	93908009	ALIGN BUSH ASSEMBLY (CONSISTS OF:)	2
	93201057	ROD BOLT	1
	90008184	ALIGN BLOCK	1
5	93408186	ALIGN BLOCK	2
6	93400149	3/4-16 HEX NUT GRB	2
7	93600077	LOCK WASHER, 3/4"	4
8	93400136	HEX NUT, 1/2-13	4
9	93600072	LOCK WASHER, 1/2"	4
10	93003597	HEX HEAD CAP SCREW 3/4-10 X 3-1/2	4
11	93400492	LOCK NUT, 3/4" - 10	2
12	93400367	3/4-10 SQUARE NUT	2
13	93400506	LOCK NUT 1-1/8-7	2
14	90054038	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
	11005053	FASTENER KIT (INCL. 1, 4-11, 13, 15)	1
20	90036177	FLAT WASHER	8
21	90516600	EQUALIZING BEAM ASSEMBLY LH	1
22	90008139	RUBBER BUSHING (FRONT PIVOT)	2
23	90008149	RUBBER BUSHING (AXLE CONNECTION)	4
24	90001200	AXLE ADAPTER ASSEMBLY	2
25	90516601	EQUALIZING BEAM ASSEMBLY RH	1
26	93201051	HEX HEAD CAP SCREW 1-1/8-7 X 8-1/2	4
27	90025288	SAFETY STRAP	2
28	93400506	LOCK NUT 1-1/8-7	4

NOTE: QUANTITIES LISTED ARE PER AXLE.



SPRING AIR BRAKE SYSTEM W/ ABS, TANDEM

ITEM	PART NO.	DESCRIPTION	QTY.
	103815	AIR SYSTEM ASSEMBLY, ABS	
1	100949	HOSE AIR 3/8 X 222 W/ 3/8 ENDS	2
3	1-297-010017-03	FITTING AIR M/BR	1
4	1-833-010002024	TUBING NYLON 3/8	1
5	1-297-010011-06	FITTING AIR M/RUN TEE 1/2-3/8	1
6	1-833-010002060	TUBING NYLON 3/8	1
7	1-833-010003008	TUBING NYLON 1/2	1
8	1-394-010001	HOSE ABRASION SLEEVE X 2	4
9	758-181	VALVE RELAY EMERGENCY	1
10	101420	BRAKE KIT ROCKWELL, ABS (SEE PAGE 1-57)	1
12	1-861-010032-09	WASHER FLAT 5/16W	2
13	1-512-010005-03	NUT HEX LOCK 5/16-18 GRB	2
15	1-384-010038060	HOSE AIR	4
16	1-384-010038024	HOSE AIR	4
17	55B61	FRAME UNION	1
18	1-297-010007-12	FITTING AIR	2
19	2088-6-6S	ADAPTER 45	1
20	1-297-0140007-15	FITTING AIR	1
22	1-833-010003060	TUBING NYLON 1/2	2
23	1-297-010008-24	FITTING 90 AIR	3
24	1-833-010003010	TUBING NYLON 1/2	1
25	2081-8-8S	REDUCER	1
26	1-833-010003032	TUBING NYLON 1/2	1
27	1-297-010007-16	FITTING AIR	2
28	2089-6-6S	ADAPTER 90	1
29	3-780-010002	TANK AIR	3
30	1-654-010051-08	SCREW HEX HEAD CAP 3/8-16 X 1-3/4 GR5	10
31	1-861-010032-11	WASHER FLAT 3/8W	18
32	805-2	STEP BUSHING	16
33	1-512-010005-05	NUT HEX LOCK 3/8-16 GRB	8
34	1-560-010002-04	PIPE PLUG 1/2	4
35	56D4	AIR TANK DRAIN COCK	2
36	118-2659-9	BUSHING 1/2 X 3/4	2
37	1-560-010002-03	PIPE PLUG 3/8	4
38	1-560-010002-02	PIPE PLUG 1/4	1
39	1-560-010002-05	PIPE PLUG 3/4-14	2
41	1-510-010001	NUT FLANGE LOCK 3/8-16	3
42	1-297-010015-06	FITTING AIR BRANCH TEE 3/8-1/4	1
51	101852	DIAGNOSTIC CABLE W/ SWITCH (SEE PAGE 1-57)	1
52	1-654-010047-06	SCREW HEX HEAD CAP 1/4-20 X 1 GR5	2
53	103817	CLAMP HOSE	1
54	1-512-010007-05	NUT HEX 1/4-20	2
55	1-861-010032-07	WASHER FLAT 1/4-20	2
56	1-861-010034-09	WASHER SPLIT LOCK 1/4	2

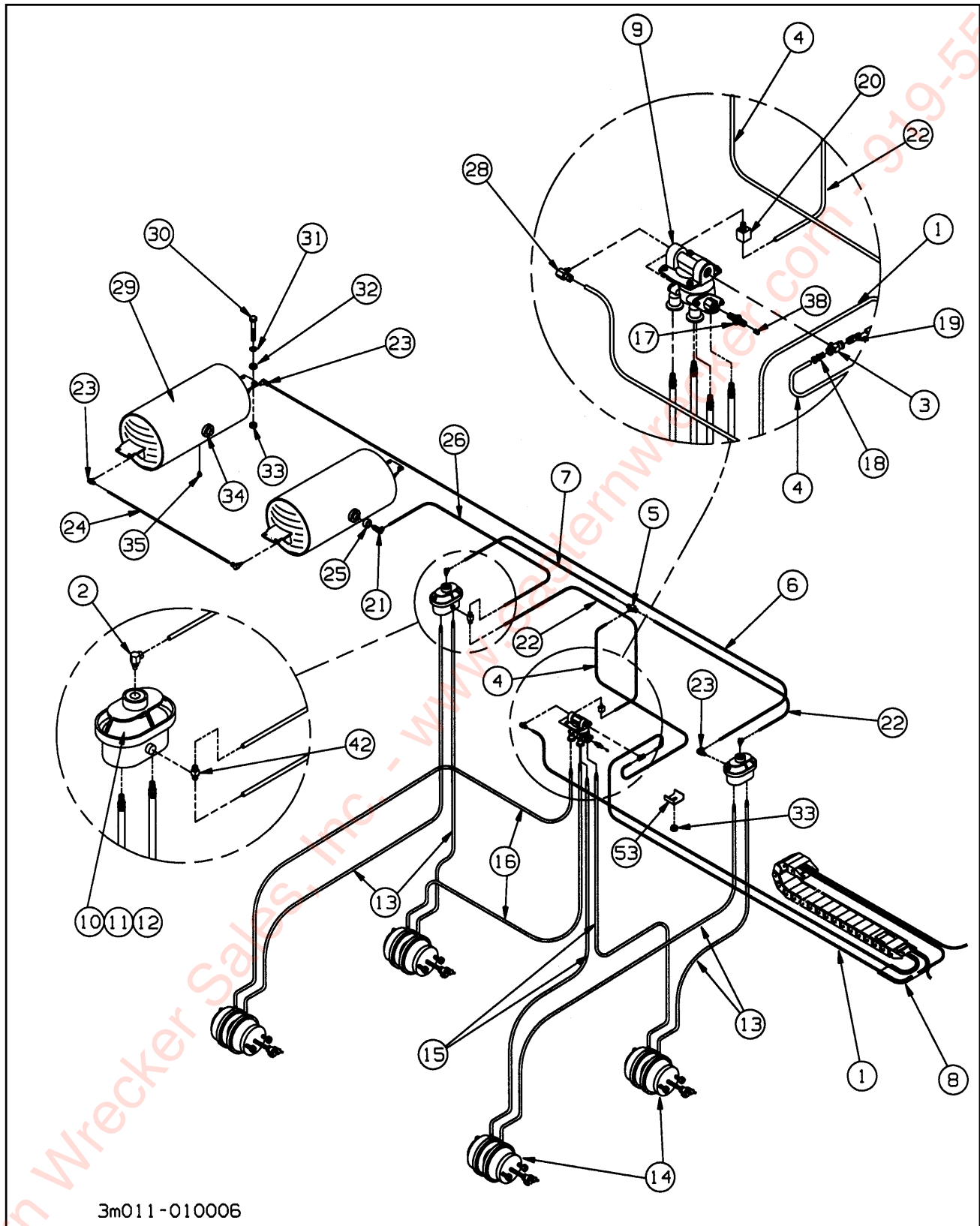


Figure 1-25 Spring Air Brake System w/o ABS, Tandem

SPRING AIR BRAKE SYSTEM W/O ABS, TANDEM

ITEM	PART NO.	DESCRIPTION	QTY.
	3-011-010006-01	AIR SYSTEM ASSEMBLY (AIR RIDE)	
	3-011-010006-02	AIR SYSTEM ASSEMBLY (SPRING RIDE)	
1	100949	HOSE, AIR 3/8 X 222 W/ 3/8 ENDS	2
2	1-297-010008-20	FITTING, AIR 90	2
3	1-297-010017-03	FITTING, AIR M/BR TEE	1
4	1-833-010002024	TUBING, NYLON 3/8	1
5	1-297-010010-03	FITTING AIR UNION TEE 3/8	1
6	1-833-010002048	TUBING NYLON 3/8	1
7	1-833-010002036	TUBING NYLON 3/8	1
8	1-394-010001	HOSE ABRASION SLEEVE	4
9	758-181	VALVE RELAY EMERGENCY	1
10	3-843-010005	VALVE, RELAY 2 PORT	2
11	1-861-010034-10	WASHER SPLIT LOCK 5/8	4
12	1-512-010007-06	NUT HEX 5/16-18 GRB	4
13	1-384-010038038	HOSE, AIR 38" (AIR RIDE)	4
	3-384-010020	HOSE, AIR 32" (SPRING RIDE)	4
14	3-128-010002	SPRING BRAKE DOUBLE DIAPHRAGM	REF
15	1-384-010038060	HOSE, AIR 60"	2
16	1-384-010038024	HOSE, AIR 24"	2
17	55B61	FRAME UNION	1
18	1-297-010007-12	FITTING, AIR	1
19	2088-6-6S	ADAPTER 45	1
20	1-297-0140007-15	FITTING, AIR	1
21	1-297-010008-23	FITTING, AIR 90	1
22	1-833-010003044	TUBING NYLON 1/2	2
23	1-297-010008-24	FITTING, AIR 90	4
24	1-833-010003010	TUBING NYLON 1/2	1
25	1/2X3/8BUSH	BUSHING	1
26	1-833-010003021	TUBING NYLON 1/2	1
28	2089-6-6S	ADAPTER 90	1
29	3-780-010002	TANK AIR	2
30	1-654-010051-08	SCREW HEX HEAD CAP 3/8-16 X 1-3/4 GR5	8
31	1-861-010032-11	WASHER FLAT 3/8W	16
32	805-2	STEP BUSHING	16
33	1-512-010005-05	NUT HEX LOCK 3/8-16 GRB	9
34	1-560-010002-04	PIPE PLUG 1/2	4
35	56D4	AIR TANK DRAIN COCK	2
38	1-560-010002-02	PIPE PLUG 1/4	1
42	1-297-010015-11	FITTING AIR BRANCH TEE	1
53	2-181-010001	CLAMP HOSE	1

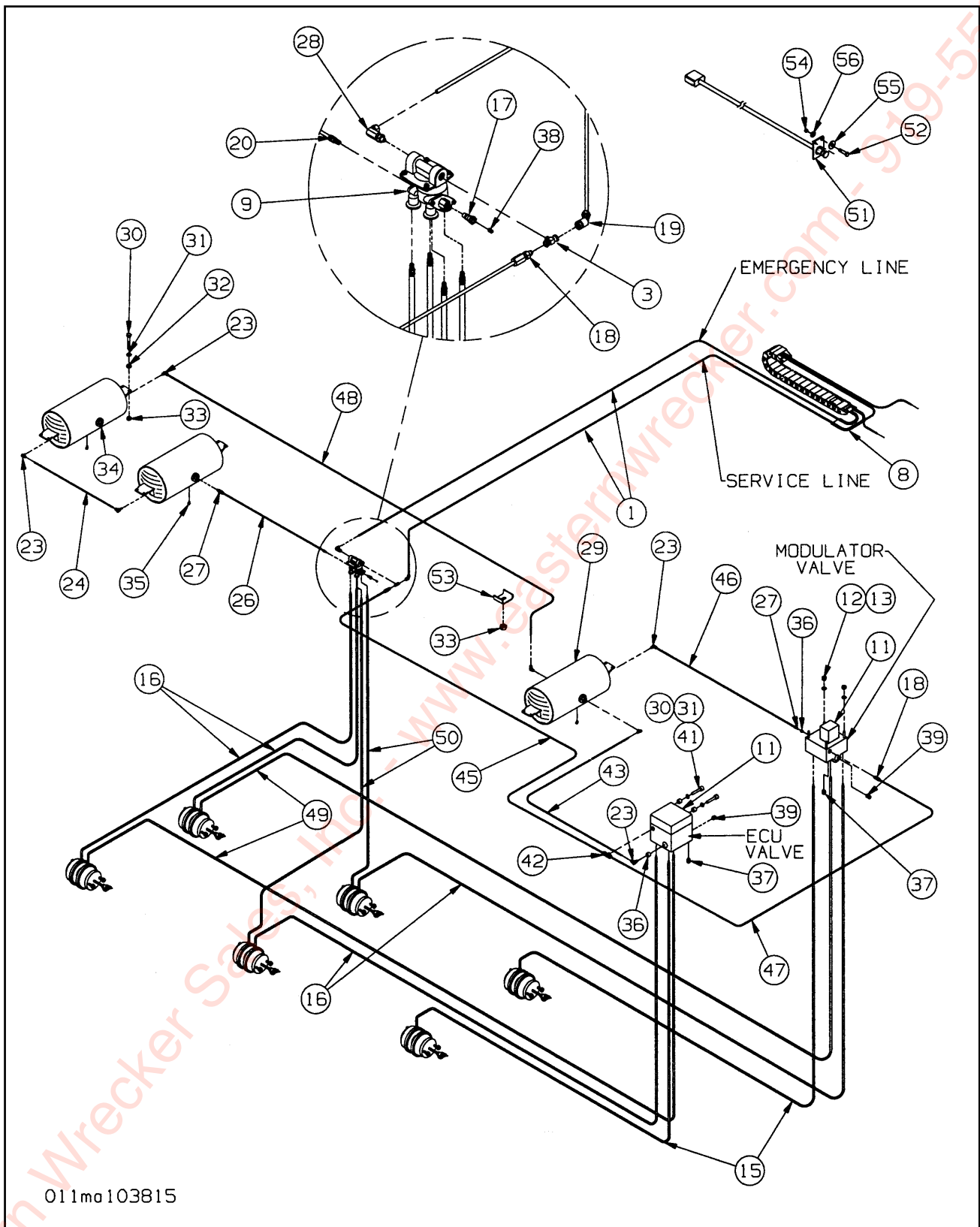


Figure 1-26 Spring Air Brake System w/ ABS, Triple

SPRING AIR BRAKE SYSTEM W/ ABS, TRIPLE

ITEM	PART NO.	DESCRIPTION	QTY.
	103816	AIR SYSTEM ASSEMBLY, ABS	
1	100949	HOSE AIR 3/8 X 222 W/ 3/8 ENDS	2
3	1-297-010017-03	FITTING AIR M/BR TEE	1
8	1-394-010001	HOSE ABRASION SLEEVE X 2	4
9	758-181	VALVE RELAY EMERGENCY	1
11	103860	BRAKE KIT ROCKWELL ABS (SEE PAGE 1-57)	1
12	1-861-010032-09	WASHER FLAT 5/16W	2
13	1-512-010005-03	NUT HEX LOCK 5/16-18 GRB	2
15	1-384-010038060	HOSE AIR 60"	2
16	1-384-010038024	HOSE AIR 24"	4
17	55B61	FRAME UNION	1
18	1-297-010007-12	FITTING AIR	2
19	2088-6-6S	ADAPTER	1
20	1-297-010007-15	FITTING AIR	1
23	1-297-010008-24	FITTING 90 AIR	6
24	1-833-010003010	TUBING NYLON 1/2 X 10	1
26	1-833-010003032	TUBING NYLON 1/2 X 32	1
27	1-297-010007-16	FITTING AIR	2
28	2089-6-6S	ADAPTER 90	1
29	3-780-010002	TANK AIR 9-1/2 X 22-1/2	3
30	1-654-010051-08	SCREW HEX HEAD CAP 3/8-16 X 1-3/4 GR5	14
31	1-861-010032-11	WASHER FLAT 3/8W	26
32	805-2	STEP BUSHING	24
33	1-512-010005-05	NUT HEX LOCK 3/8-16 GRB	1
34	1-560-010002-04	PLUG BLACK PIPE 1/2	4
35	56D4	AIR TANK DRAIN COCK	3
36	118-2659-9	BUSHING 1/2 X 3/4	2
37	1-560-010002-03	PIPE PLUG 3/8	2
38	1-560-010002-02	PIPE PLUG 1/4	1
39	1-560-010002-05	PIPE PLUG 3/4-14	2
41	1-510-010001	NUT FLANGE LOCK 3/8-16 GRB	10
42	1-297-010015-06	FITTING AIR BRANCH TEE 3/8-1/4	1
43	1-833-010003064	TUBING NYLON 1/2	1
45	1-833-010002076	TUBING NYLON 3/8	1
46	1-833-010003056	TUBING NYLON 1/2	1
47	1-833-010002030	TUBING NYLON 3/8	1
48	1-833-010003076	TUBING NYLON 1/2	1
49	103738	HOSE AIR	2
50	1-384-010038076	HOSE AIR	2
51	101852	DIAGNOSTIC CABLE W/ SWITCH (SEE PAGE 1-57)	1
52	1-654-010047-06	SCREW HEX HEAD CAP 1/4-20 X 1 GR5	2
53	103817	CLAMP HOSE	8
54	1-512-010007-05	NUT HEX 1/4-20 GRB	2
55	1-861-010032-07	WASHER FLAT 1/4	1
56	1-861-010034-09	WASHER SPLIT LOCK 1/4	2

* FOR USE ON AIR RIDE SUSPENSION ONLY
 ** FOR USE ON SPRING RIDE SUSPENSION ONLY

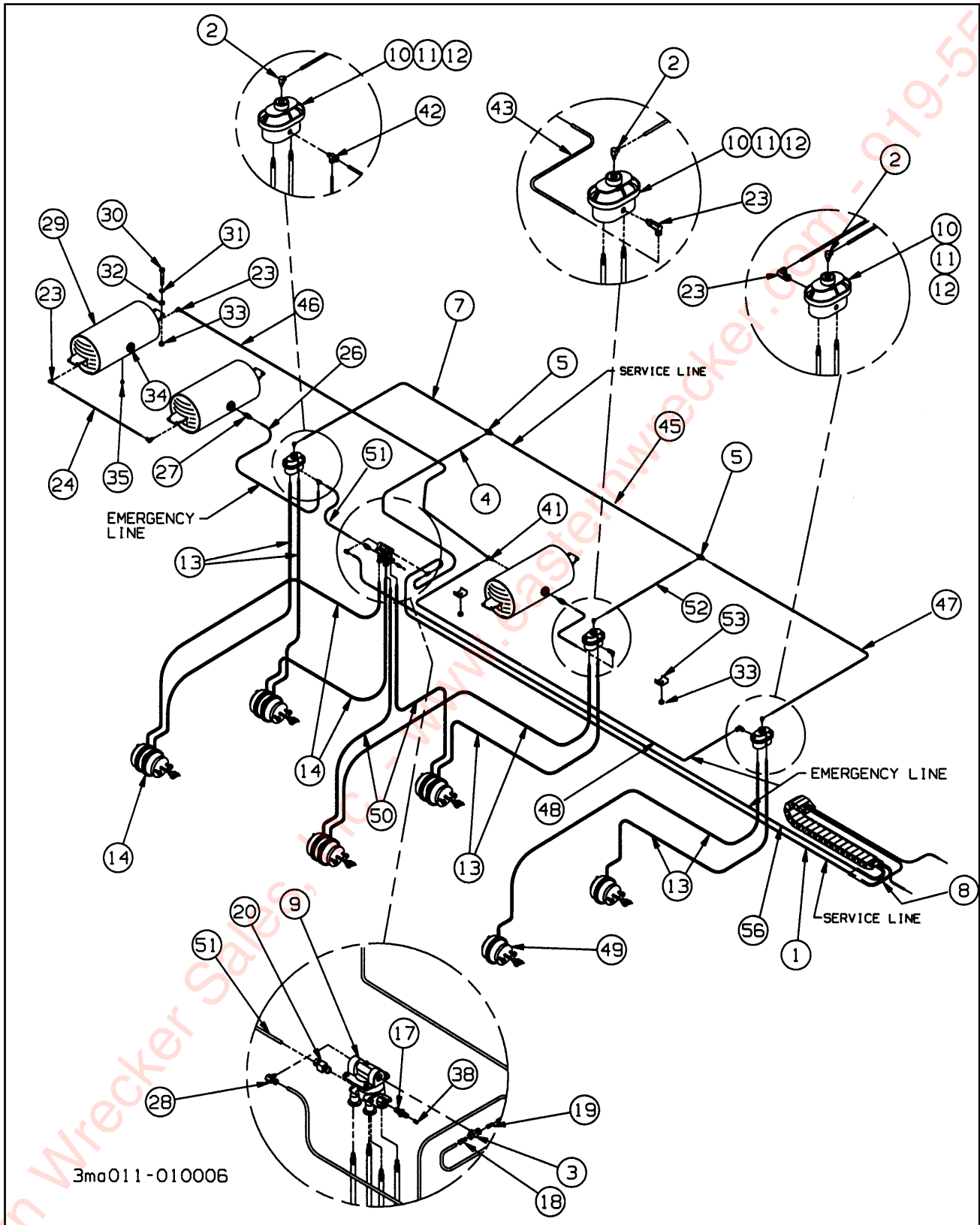
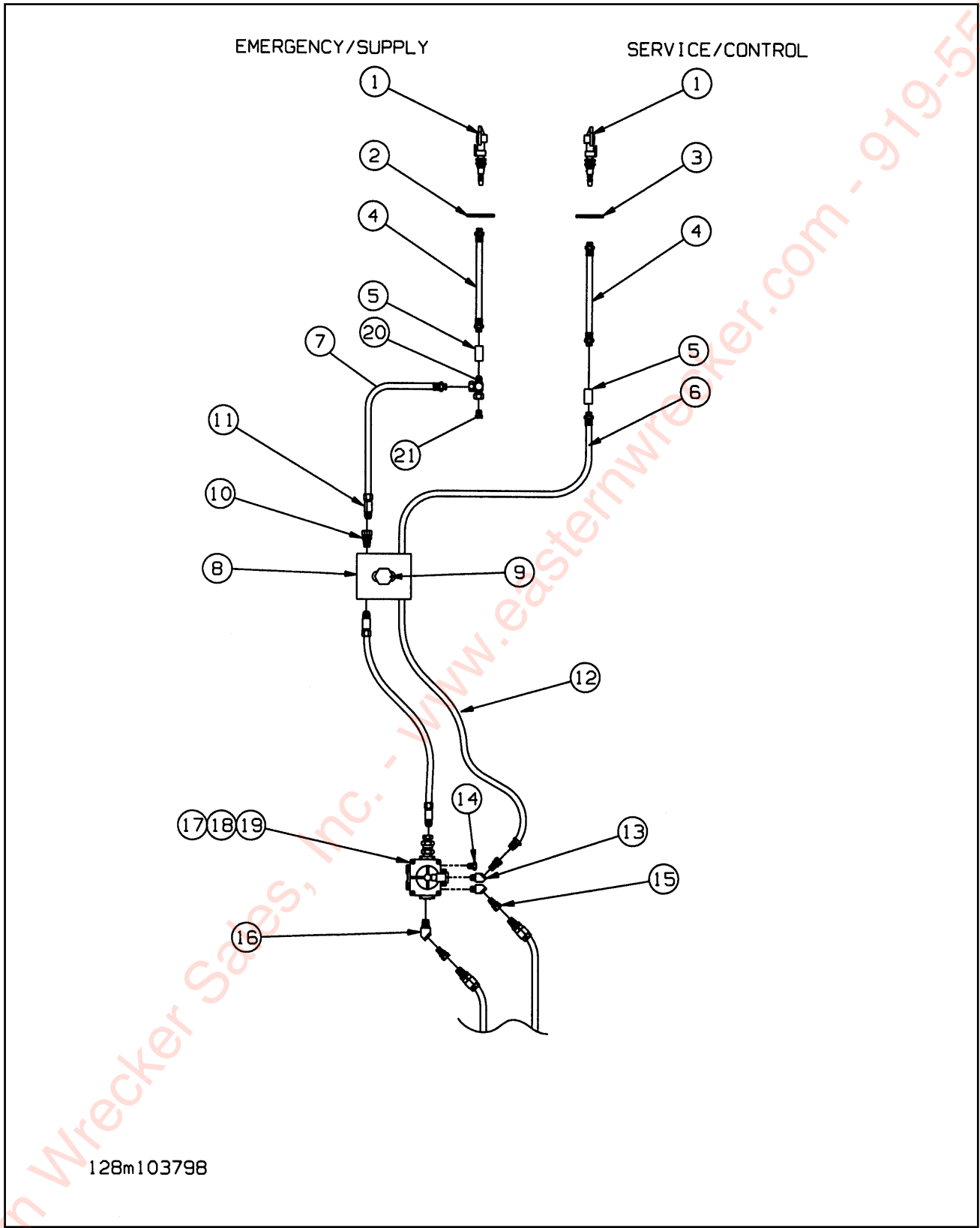


Figure 1-27 Spring Air Brake System w/o ABS, Triple

SPRING AIR BRAKE SYSTEM W/O ABS, TRIPLE

ITEM	PART NO.	DESCRIPTION	QTY.
	3-011-010006-03	AIR SYSTEM ASSEMBLY	
1	100949	HOSE, AIR 3/8 X 222 W/ 3/8 ENDS	2
2	1-297-010008-20	FITTING, AIR 90	3
3	1-297-010017-03	FITTING, AIR M/BR TEE	1
4	1-833-010002024	TUBING, NYLON 3/8	1
5	1-297-010010-03	FITTING AIR UNION TEE 3/8	2
7	1-833-010002036	TUBING NYLON 3/8	1
8	1-394-010001	HOSE ABRASION SLEEVE	4
9	758-181	VALVE RELAY EMERGENCY	1
10	3-843-010005	VALVE, RELAY 2 PORT	3
11	1-861-010034-10	WASHER SPLIT LOCK 5/8	6
12	1-512-010007-06	NUT HEX 5/16-18 GRB	6
13	1-384-010038038	HOSE, AIR 38"	6
14	3-128-010002	SPRING BRAKE DOUBLE DIAPHRAGM	REF
16	1-384-010038024	HOSE, AIR 24"	2
17	55B61	FRAME UNION	1
18	1-297-010007-12	FITTING, AIR	1
19	2088-6-6S	ADAPTER 45	1
20	1-297-0140007-15	FITTING, AIR	1
23	1-297-010008-24	FITTING, AIR 90	5
24	1-833-010003010	TUBING NYLON 1/2	1
26	1-833-010003021	TUBING NYLON 1/2	1
27	1-297-010007-16	FITTING AIR	1
28	2089-6-6S	ADAPTER 90	1
29	3-780-010002	TANK AIR	3
30	1-654-010051-08	SCREW HEX HEAD CAP 3/8-16 X 1-3/4 GR5	12
31	1-861-010032-11	WASHER FLAT 3/8W	24
32	805-2	STEP BUSHING	24
33	1-512-010005-05	NUT HEX LOCK 3/8-16 GRB	14
34	1-560-010002-04	PIPE PLUG 1/2	5
35	56D4	AIR TANK DRAIN COCK	3
38	1-560-010002-02	PIPE PLUG 1/4	1
41	1-297-010011-07	FITTING, AIR M/ RUN TEE	1
42	1-297-010015-11	FITTING AIR BRANCH TEE	1
43	1-833-010003018	TUBING, NYLON 1/2	1
45	1-833-010002060	TUBING, NYLON 3/8	1
46	1-833-010003056	TUBING, NYLON 1/2	1
47	1-833-010002072	TUBING, NYLON 3/8	1
48	1-833-010003072	TUBING, NYLON 1/2	1
49	—	SERVICE BRAKE	REF
50	1-384-010038076	HOSE, AIR 76"	2
51	1-833-010003024	TUBING, NYLON 1/2	1
52	1-833-010002012	TUBING, NYLON 3/8	1
53	2-181-010001	CLAMP HOSE	2



128m103798

Figure 1-28 Air System ABS

AIR SYSTEM, ABS

ITEM	PART NO.	DESCRIPTION	QTY.
	103798	AIR SYSTEM, ABS 48'	
	103799	AIR SYSTEM, ABS 53'	
1	55B11	GLADHAND (PRIOR 03/00)	2
	108801	GLADHAND RED AIR (AFTER 03/00)	1
	108802	GLADHAND BLUE AIR (AFTER 03/00)	1
2	55B61-7	TAG SERVICE LINE	1
3	55B61-6	TAG EMERGENCY LINE	1
4	55B61	FRAME UNION	2
5	1-297-010021-05	FITTING, BRS PIPE, COUPLING	2
6	1-384-010038259	HOSE ASSEMBLY 3/8 X 259	1
7	103797	HOSE, AIR 1/2 X 420	1
	103773	HOSE, AIR 1/2 X 480	1
8	103796	CLAMP, HOSE	1
9	1-510-010001	NUT, FLANGE LOCK 3/8-16	1
10	1-297-010022-03	FITTING, AIR	1
11	1-297-010007-12	FITTING, AIR	1
12	1-833-010002	TUBING, NYLON 3/8	*10.5', 15.5'
13	1-297-010013-12	FITTING, AIR 45	1
14	1-560-010002-04	PLUG, PIPE 1/2	1
15	2081-8-6S	REDUCER	2
16	2088-6-6S	ADAPTER 45	2
17	3-843-010038	VALVE, AIR RELAY	1
18	1-861-010032-06	WASHER, FLAT 1/4N	2
19	1-512-010005-01	NUT, HEX LOCK 1/4-20 GRB	2
20	1-297-010018-03	FITTING, BRASS PIPE STR TEE 3/8	1
21	1-297-010033-03	PLUG, BRASS 3/8	1

* FIRST QUANTITY SHOWN IS FOR P/N 103798 (48' MODEL); SECOND QUANTITY SHOWN IS FOR P/N 103799 (53' MODEL)

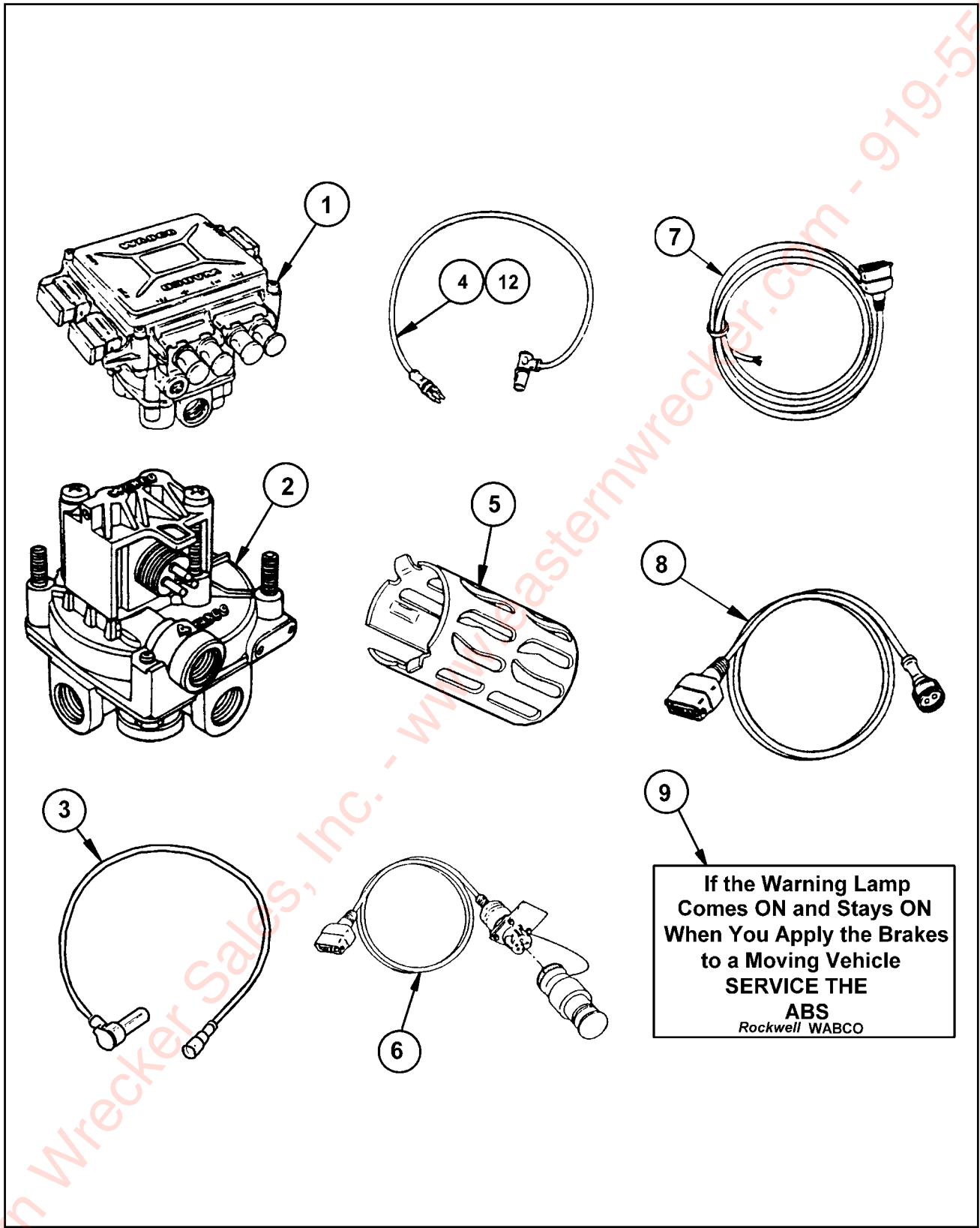


Figure 1-29 Brake Kit, Rockwell ABS

BRAKE KIT ROCKWELL ABS

ITEM	PART NO.	DESCRIPTION	QTY.
	101420	BRAKE KIT, ROCKWELL ABS, 4S/2M (INCL ITEMS 1,2,4,7-10)	
	103860	BRAKE KIT ROCKWELL ABS 4S/2M-610 (INCL ITEMS 1,2,4,7-10,12)	
1	101845	ECU/VALVE ASSEMBLY	1
2	101846	ABS RELAY VALVE	1
3	101847	ABS SENSOR CABLE	4
4	101848	SENSOR EXTENSION CABLE	*4,2
5	101849	ABS SENSOR SPRING CLIP	4
6	101852	DIAGNOSTIC CABLE W/ SWITCH	1
7	101853	POWER CABLE 4 COND.	1
8	101854	CONNECTION CABLE FOR ABS RELAY	1
9	101855	WARNING LAMP LABEL	1
10	—	INSTALLATION GUIDE (NOT SHOWN)	1
11	104551	ABS MAINTENANCE MANUAL NO. 33 (NOT SHOWN)	1
12	103861	SENSOR EXTENSION CABLE	2

* 1ST QUANTITY LISTED IS FOR P/N 101420; 2ND QUANTITY LISTED IS FOR P/N 103860.

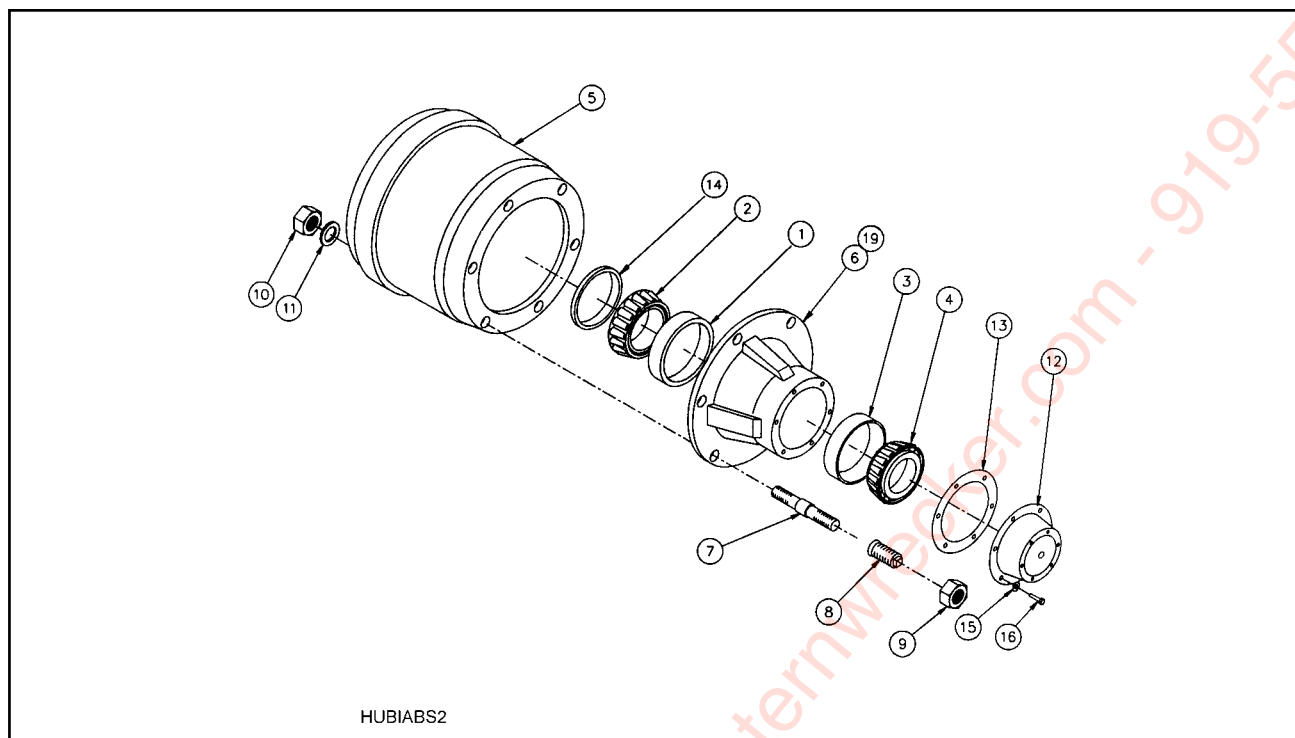


Figure 1-30 Inboard Ball Seat Mount Hub and Drum

INBOARD BALL SEAT MOUNT HUB AND DRUM

ITEM	PART NO.	DESCRIPTION	QTY.
	103245	HUB/DRUM ASSY, L.H.(BALL SEAT MNTD)(ITEMS 1-11)	2
	103246	HUB/DRUM ASSY, R.H.(BALL SEAT MNTD)(ITEMS 1-11)	2
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	63635	INBOARD MOUNTED BRAKE DRUM (6 BOLT)	1
6	1056	HUB (6 BOLT)	1
7	139913	STUD, L.H. (6 BOLT)	6
	139902	STUD, R.H. (6 BOLT)	6
8	107083	CAPNUT, INNER, L.H. (6 BOLT)	6
	107082	CAPNUT, INNER, R.H. (6 BOLT)	6
9	178921	CAPNUT, OUTER, L.H. (6 BOLT)	6
	178910	CAPNUT, OUTER, R.H. (6 BOLT)	6
10	75716	3/4-16 HEX LOCK NUT	6
11	257	FLAT WASHER	6
12	021-038-01 (4009)	CAP, HUB	1
13	071-124-00 (3067)	GASKET, OIL CAP	1
14	3-659-010012	SEAL	1
15	1-861-010034-10	WASHER SPLIT LOCK 5/16	6
16	1-654-010049-03	SCREW HEX HEAD CAP 5/16-18X3/4 GR5	6
17	3-870-010012	WHEEL, DISC 6.75X17.5 (NOT SHOWN)	1
18	TR573	VALVE STEM (NOT SHOWN)	
19	*	ABS TONE RING	1

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

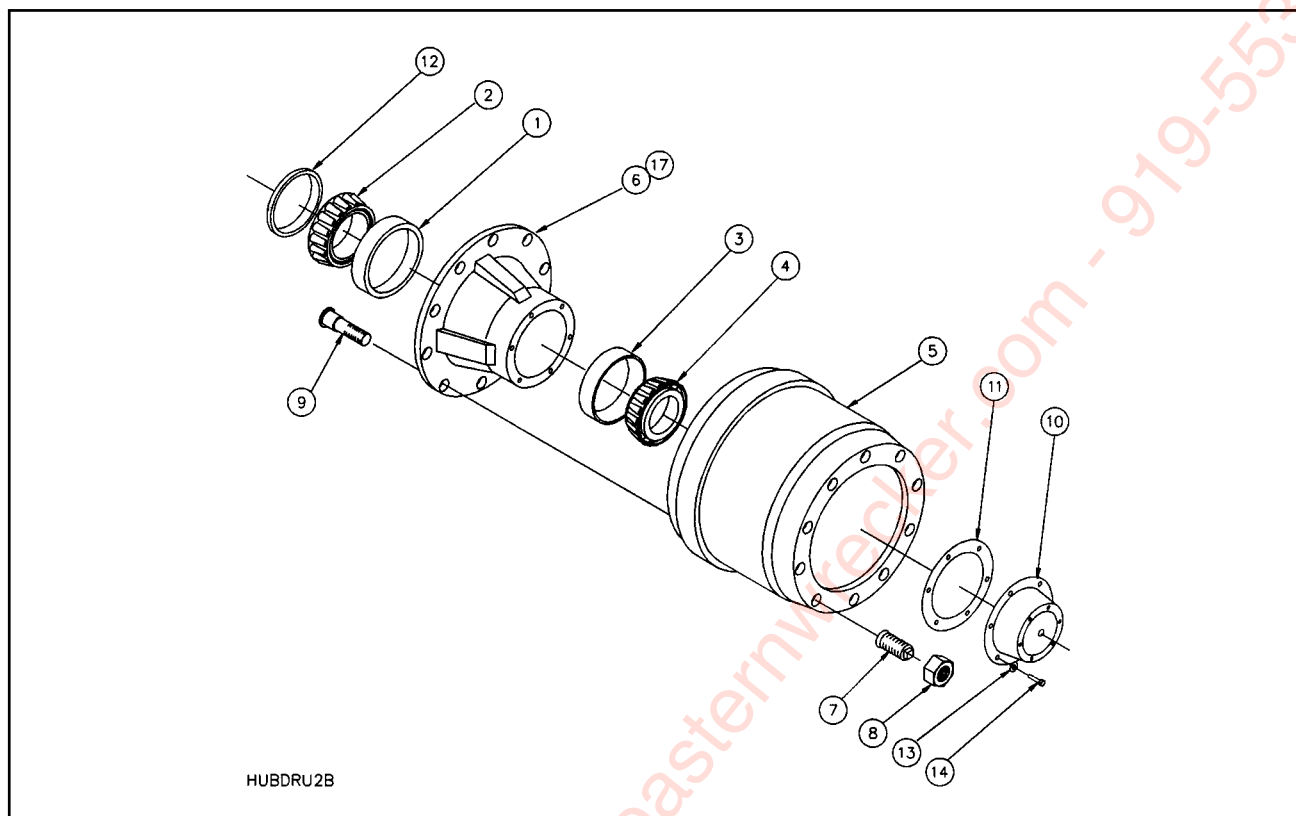


Figure 1-31 Outboard Ball Seat Mount Hub and Drum

OUTBOARD BALL SEAT MOUNT HUB AND DRUM

ITEM	PART NO.	DESCRIPTION	QTY.
	103779	HUB/DRUM ASSY LH(10 BOLT)	
	103780	HUB/DRUM ASSY RH(10 BOLT)	
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	66893	OUTBOARD MOUNTED BRAKE DRUM (10 BOLT)	1
6	1020	HUB, IRON (10 BOLT)	1
7	107083	CAPNUT, INNER LH (10 BOLT)	10
	107082	CAPNUT, INNER RH (10 BOLT)	10
8	178921	CAPNUT, OUTER LH (10 BOLT)	10
	178910	CAPNUT OUTER RH (10 BOLT)	10
9	159183	STUD L.H. (10 BOLT)	10
	159184	STUD R.H. (10 BOLT)	10
10	021-038-01 (4009)	CAP, HUB	1
11	071-124-00 (3067)	GASKET, OIL CAP	1
12	3-659-010012	SEAL	1
13	1-861-010034-10	WASHER SPLIT LOCK 5/16	6
14	1-654-010049-03	SCREW HEX HEAD CAP 5/16-18X3/4	6
15	3-870-010014	WHEEL DISC 7.5 X 22.5 (NOT SHOWN)	1
16	TR573	VALVE STEM (NOT SHOWN)	1
17	*	ABS TONE RING	1

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

HUB0ABS2

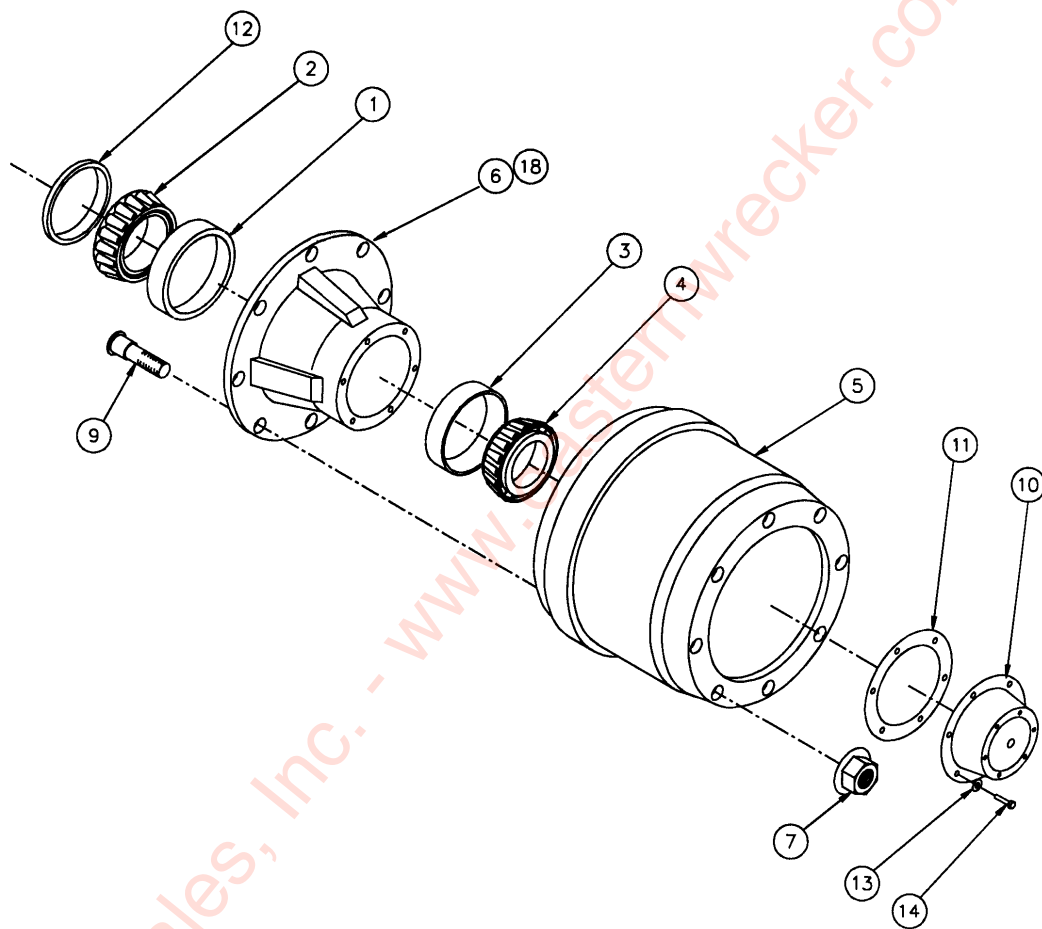


Figure 1-32 Outboard Pilot Mount Hub and Drum

OUTBOARD PILOT MOUNT HUB AND DRUM

ITEM	PART NO.	DESCRIPTION	QTY.
	3-406-010061	HUB/DRUM ASSY 8 BOLT 12-1/4" PILOT MOUNT	
	3-406-010065	HUB/DRUM ASSY 10 BOLT 16-1/2" PILOT MOUNT,	
	3-406-010067	HUB/DRUM ASSY 10 BOLT 16-1/2 PILOT MOUNT, DISC	
	3-406-010076	HUB/DRUM ASSY 8 BOLT 12-1/4" PILOT MOUNT, ABS	
	103781	HUB/DRUM ASSY 10 BOLT 16-1/2 PILOT MOUNT, ABS	
	103782	HUB/DRUM ASSY AL/CF 16-1/2" PILOT MOUNT, ABS	
	103783	HUB/DRUM ASSY 16-1/2" LONG STUD, PILOT, ABS	
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	66884	OUTBOARD MOUNTED BRAKE DRUM (10 BOLT)	1
	63680	OUTBOARD MOUNTED BRAKE DRUM (8 BOLT)	1
	69996B	OUTBOARD MOUNTED CENTRIFUSE BRAKE DRUM	1
6	2023	HUB (10 BOLT)	1
	2027	HUB (8 BOLT)	1
	2091	HUB (10 BOLT)	1
7	179933	FLANGE NUT (10 BOLT)	10
	179955	FLANGE NUT (8 BOLT)	8
9	101162	STUD (USED WITH 3-406-010061 ,3-406-010065, 3-406-010076, & 103781)	**8,10
	101160	STUD (USED WITH 3-406-010067 & 103783)	10
	102190	STUD (USED WITH 103782)	10
10	021-038-01(4009)	CAP HUB	1
11	071-124-00(3067)	GASKET OIL CAP	1
12	3-659-010012	SEAL	1
13	1-861-010034-10	WASHER SPLIT LOCK 5/16	6
14	1-654-010049-03	SCREW HEX HEAD CAP 5/16-18 X 3/4 GR5	6
15	3-870-010104	WHEEL 22.5X7.50 PILOT MT (10 BOLT)	1
		16-1/2" BRAKE (NOT SHOWN)	
	3-870-010097	WHEEL 17.5X6.75 PILOT MT (8 BOLT)	1
		12-1/4" BRAKE (NOT SHOWN)	
	100402	WHEEL 17.5X6.75 ALUM PILOT MT (8 BOLT)	1
		12-1/4" BRAKE (NOT SHOWN)	
16	TR573	VALVE STEM - STEEL WHEEL (NOT SHOWN)	1
	100401	VALVE STEM TR543C - ALUMINUM WHL (NOT SHOWN)	1
18	*	ABS TONE RING	1

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

** THE FIRST QUANTITY IS FOR THE 8 BOLT WHEEL, AND THE SECOND QUANTITY
IS FOR THE 10 BOLT WHEEL.

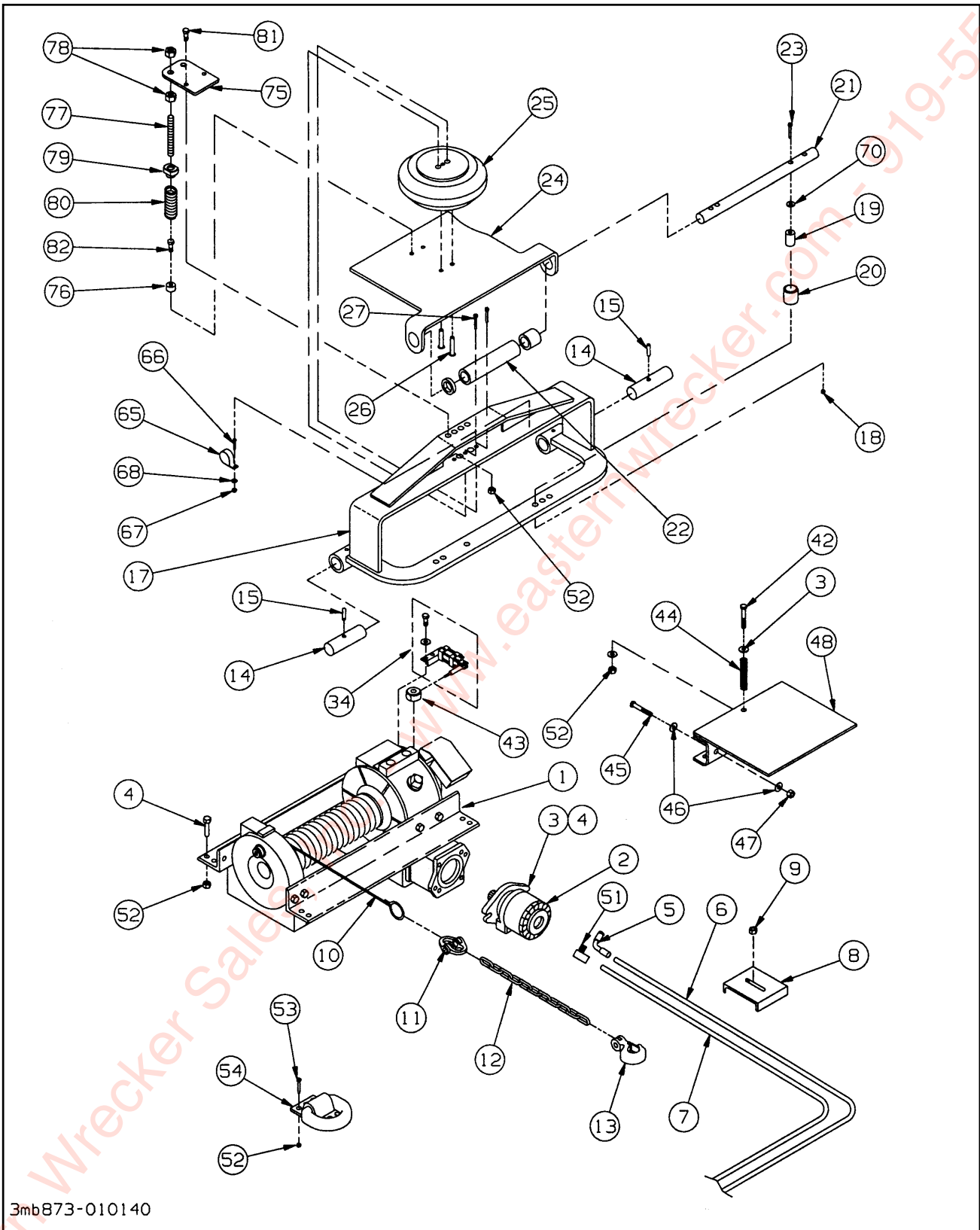


Figure 1-33 Winch Installation (1 of 2)

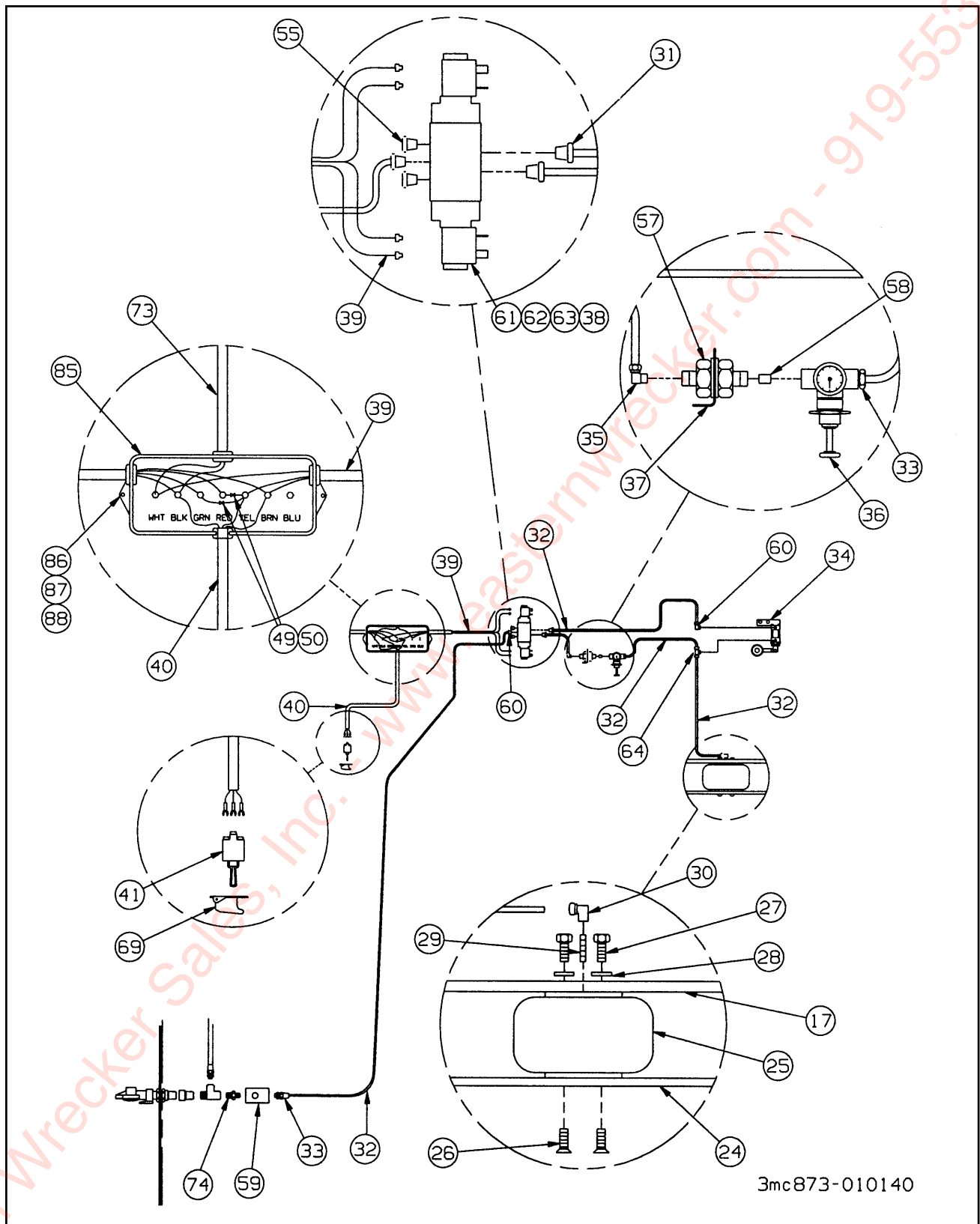


Figure 1-34 Winch Installation (2 of 2)

WINCH INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	3-873-010140	WINCH INSTALLATION 600-20K	
	3-873-010144	WINCH INSTALLATION 600-12K	
1	3-873-010123	WINCH ASSY 20K (SEE PAGE 1-70)	1
	3-873-010122	WINCH ASSY 12K (SEE PAGE 1-67)	1
2	3-481-010007	MOTOR HYD. (FOR 20K) (SEE PAGE 1-73)	1
	3-481-010006	MOTOR HYD. (FOR 12K) (SEE PAGE 1-73)	1
3	1-861-010032-15	WASHER, FLAT 1/2	2
4	1-654-010055-04	SCREW, HEX HEAD CAP 1/2-13 X 1-3/4 GR5	2
5	202702-10-8S	ADAPTER STR.	1
6	1-397-010301170	HOSE ASSY	1
7	1-397-010302172	HOSE ASSY	1
8	2-181-010001	HOSE CLAMP	4
9	1-510-010001	NUT FLANGE LOCK 3/8-16	4
10	3-155-010017-1	CABLE (12K)60' W/ LOOP	1
	3-155-010017-4	CABLE (12K)85' W/ LOOP	1
	3-155-010018-1	CABLE (20K)60' W/ LOOP	1
	3-155-010018-6	CABLE (20K)85' W/ LOOP	1
11	3-174-010038	LINK	1
12	3-174-010039036	CHAIN	1
13	7HCGHT500	HOOK	1
14	3-557-010474	PIN, PIVOT	**2
15	0600-375-02000	ROLLER PIN	**2
16	3-125-010464	BRACKET WLDMT WINCH ROLLER (NOT SHOWN)	**1,****1
17	3-125-010465	BRACKET WLDT WINCH TENS	*1,**1,***1
18	1-512-010005-13	NUT HEX LOCK 5/8-11 GR8	**2
19	3-150-010196	BUSHING, ROD ROLLER-600	**2
20	3-831-010172	TUBE, ROLLER SIDE	**2
21	3-642-010139	ROD, ROLLER TOP (FOR 20K)	**1
	3-642-010150	ROD, ROLLER TOP (FOR 12K)	**1
22	3-831-010182	TUBE, ROLLER TOP - 600 (FOR 20K)	**2
	3-831-010151	TUBE, ROLLER TOP (FOR 12K)	**1
23	1-654-010059-15	SCREW, HEX HEAD CAP 5/8-11X5 GR5	**2
24	3-873-010142	WINCH TENSIONER PLATE (FOR 20K)	*1
	3-873-010145	WINCH TENSIONER PLATE (FOR 12K)	*1
25	3-720-010042	SPRING, AIR 6-1/2	*1
26	3/8-16X1	SCREW, HEX SOC. FL CAP GR8	*2
27	1-654-010036-05	SCREW, HEX HEAD CAP 3/8-16X1 GR5	*2
28	1-861-010032-10	WASHER FLAT 3/8N	*2
29	1-297-010031-02	FITTING, BRASS PIPE 1/4 X 1-1/2	*1
30	1-297-010032-03	FITTING, AIR 90	*1
31	1-297-010007-04	CONNECTOR PIPE TO TUBE	***4
32	1-833-01001	NYLON TUBING 1/4 OD	***28FT
33	1-297-010007-05	FITTING, AIR	*2
34	107368	WINCH AIR SHIFT CYL(FOR 20K)(SEE PAGE 1-72)	***1
36	3-626-010004	REGULATOR, AIR PRESSURE	*1
37	3-120-010445	BRACKET, PRESSURE REGULATOR	*1
38	3-843-010022	VALVE, PNEUMATIC	***1
39	3-368-010129	HARNESS ASSY SINGLE REMOTE	***1
40	3-368-010187	HARNESS REMOTE SWITCH	***1
41	1-765-010065	SWITCH, TOGGLE	***1
42	1-654-010055-16	SCREW, HEX HEAD CAP 1/2-13X5-1/2 GR5	1
43	3-150-010186	BUSHING WINCH REMOTE LEVER (FOR 20K)	1
44	3-720-010010	SPRING COMP LEVEL WIND	1
45	1-654-010051-06	SCREW, HEX HEAD CAP 3/8-16X1-1/4 GR5	3

WINCH INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
46	1-861-010032-10	WASHER, FLAT 3/8N	6
47	1-512-010005-05	NUT, HEX 3/8-16	3
48	3-873-010125	WINCH TENSIONER WLDMT (FOR 20K)	1
	3-873-010124	WINCH TENSIONER WLDMT (FOR 12K)	1
49	2-272-010109	ZENOR DIODE (FOR 20K)	2
50	3-272-010018	HEAT SHRINK INSULATOR (FOR 20K)	****2
51	2062-10-8S	ADAPTER, 90	****1
52	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	15
53	1-654-010055-05	SCREW, HEX HEAD CAP 1/2-13X2 GR5	6
54	3-793-010040	TIE DOWN, WINCH	1
55	3-136-010001-01	BREATHER, PNEUMATIC EXHAUST	*2
57	1-297-010022-02	FITTING, AIR ANCHOR	1
58	1-297-010020-02	FITTING, BRASS PIPE	1
59	905-54-107	VALVE AND FILTER PRESSURE	*1,2
	48100200	FILTER	*1,2
60	1-297-010008-05	FITTING, AIR 90	*3
61	1-654-010024014	SCREW, MACH SLOT 6-32X1-1/2	*3
62	1-861-010032-01	WASHER, FLAT #6	*3
63	1-512-010003-02	NUT, HEX LOCK 6-32	*1
64	1-297-010015-02	FITTING, AIR BRANCH TEE (FOR 20K)	REF
65	239-9076-3	SUPPORT CLAMP	*1
66	1-656-010003053	SCREW RD HEAD MACH. #10-24X1 GR2	*1
67	1-512-010004-03	NUT HEX LOCK #10-24	*1
68	1-861-010034-07	WASHER, SPLIT LOCK #10	*1
69	3-348-010048	GUARD SWITCH -3 POSITION	1
70	1-861-0140034-07	WASHER FLAT 5/8N	**2
73	3-368-010188	HARNESS POWER JUMPER 660	1
74	1-297-010019-05	FITTING BRS PIPE HEX 3/8X1/4	1
75	3-565-011688	PLATE F/W SPRING TENSION - 600	*1
76	3-014-010234	ANCHOR F/W SPRING TENSION - 600	*2
77	RTR7999X4ZP	ROD THREADED	*2
78	1-512-010007-12	NUT HEX 3/4-10 GRB	*4
79	3-522-010017	NUT F/W SPRING TENSION - 600	*2
80	3-720-010035	SPRING	*2
81	1-654-010055-03	SCREW HEX HEAD CAP 1/2-13X1-1/2 GR5	*2
82	1-654-010055-01	SCREW HEX HEAD CAP 1/2-13 X 1 GR5	**2, ***3
85	750-029	JUNCTION BOX 7-STUD	1
86	1-512-010007-05	NUT HEX 1/4-20 GRB	2, ***3
87	1-861-010032-06	WASHER FLAT 1/4N	2
88	1-861-010034-09	WASHER SPLIT LOCK 1/4	2, ***3
89	107369	LEVER WINCH FREE SPOOL	***1
90	1-861-010032-14	WASHER, FLAT 1/2	***2
91	100600	DECAL, WARNING WINCH (NOT SHOWN)	1

NOTES:

- * - FOR AIR TENSION OPTION.
- ** - FOR CABLE ROLLER OPTION.
- *** - FOR AIR SHIFT OPTION. (AVAILABLE ONLY ON 20K WINCH.)
- **** - FOR SPRING TENSION OPTION.

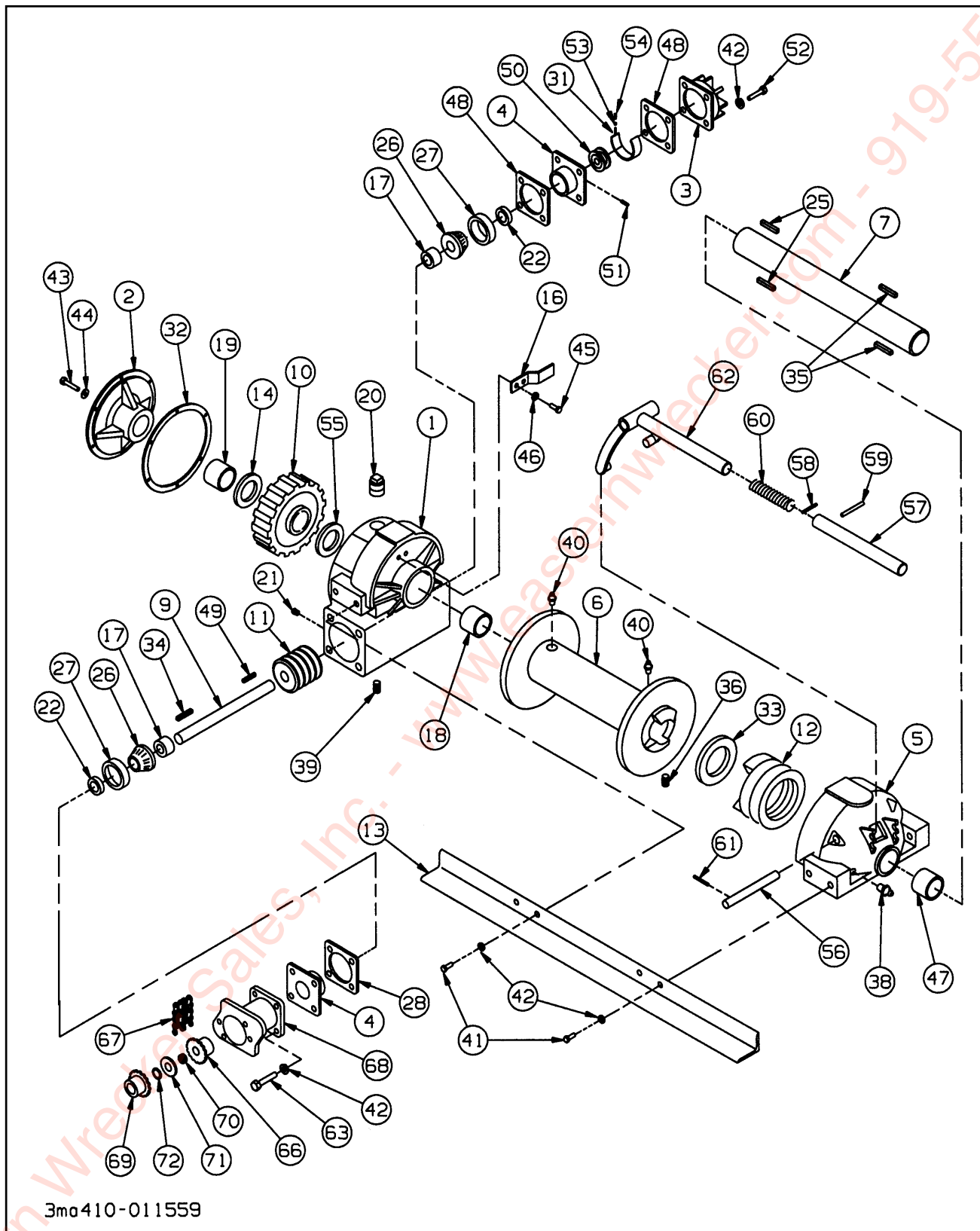


Figure 1-35 12,000# Winch Items

12,000# WINCH ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.
	3-873-010122	WINCH ASSEMBLY, 12,000#	
1	81006	HOUSING ASSEMBLY WORM (INCLUDES ITEM 18)	1
2	81009	HOUSING COVERWORM (INCLUDES ITEM 19)	1
3	18032	HOUSING, SAFETY BRAKE	1
4	23303	CONTAINER, BEARING	2
5	81530	LEG ASSEMBLY, BEARING (INCLUDES ITEM 47)	1
6	11128	DRUM, CABLE	1
7	11129	DRUM SHAFT, CABLE	1
9	23470	SHAFT, WORM	1
10	11144	GEAR, WORM	1
11	11142	WORM, LEFT HAND	1
12	18039	SLIDING CLUTCH	1
13	22752	ANGLE, BASE	2
14	13680	THRUST RING	1
16	81025	BRAKE, DRAG	1
17	11308	SPACER, WORM	2
18	18078	BUSHING	1
19	11368	BUSHING	1
20	22775	PLUG, PIPE	1
21	18009	PLUG, PIPE	1
22	18026	SEAL, GREASE	2
25	11117	KEY, WORM GEAR	2
26	18015	CONE, BEARING	2
27	18016	CUP, BEARING	2
28	18027	GASKET	3
31	21925	BAND, BRAKE	1
32	11133	WORM HOUSING COVER GASKET	3
33	18019	RETAINER RING	1
34	18030	KEY, WORM	1
35	18020	KEY, CLUTCH	2
36	24032	SCREW, SET	1
38	18047	FITTING, GREASE	1
39	19045	PLUG, PIPE	1
40	11799	FITTING, GREASE	2
41	21961	CAPSCREW	12
42	18003	WASHER, LOCK	16
43	11767	CAPSCREW	6
44	11011	WASHER, LOCK	6
45	13005	CAPSCREW	2
46	12780	WASHER, LOCK	2
47	18078	BUSHING	1
48	18024	BEARING CONTAINER GASKET	3
49	10078	KEY	1
50	18028	DRUM, BRAKE	1
51	12075	SCREW, SET	1
52	22703	CAPSCREW	4
53	13468	JAM NUT	4
54	18029	BRAKE BAND SPRING	1
55	11240	RETAINER RING	1
56	11130	SHIFTER SHAFT	1

12,000# WINCH ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.
57	12817	SHIFTER HANDLE	1
58	18056	ROLLPIN	1
59	13028	ROLLPIN	1
60	18002	SPRING	1
61	11837	ROLLPIN	2
62	13839	SHIFTER FORK	1
63	22704	CAPSCREW	4
65	18044	KEY (NOT SHOWN)	1
66	23081	COUPLING HALF (WORM SHAFT)	1
67	13424	ROLLER CHAIN	1
68	23079	MOTOR ADAPTER	1
69	23083	COUPLING HALF (MOTOR SHAFT)	1
70	23353	SPRING	1
71	23078	SPACER	1
72	23085	SPACER	1

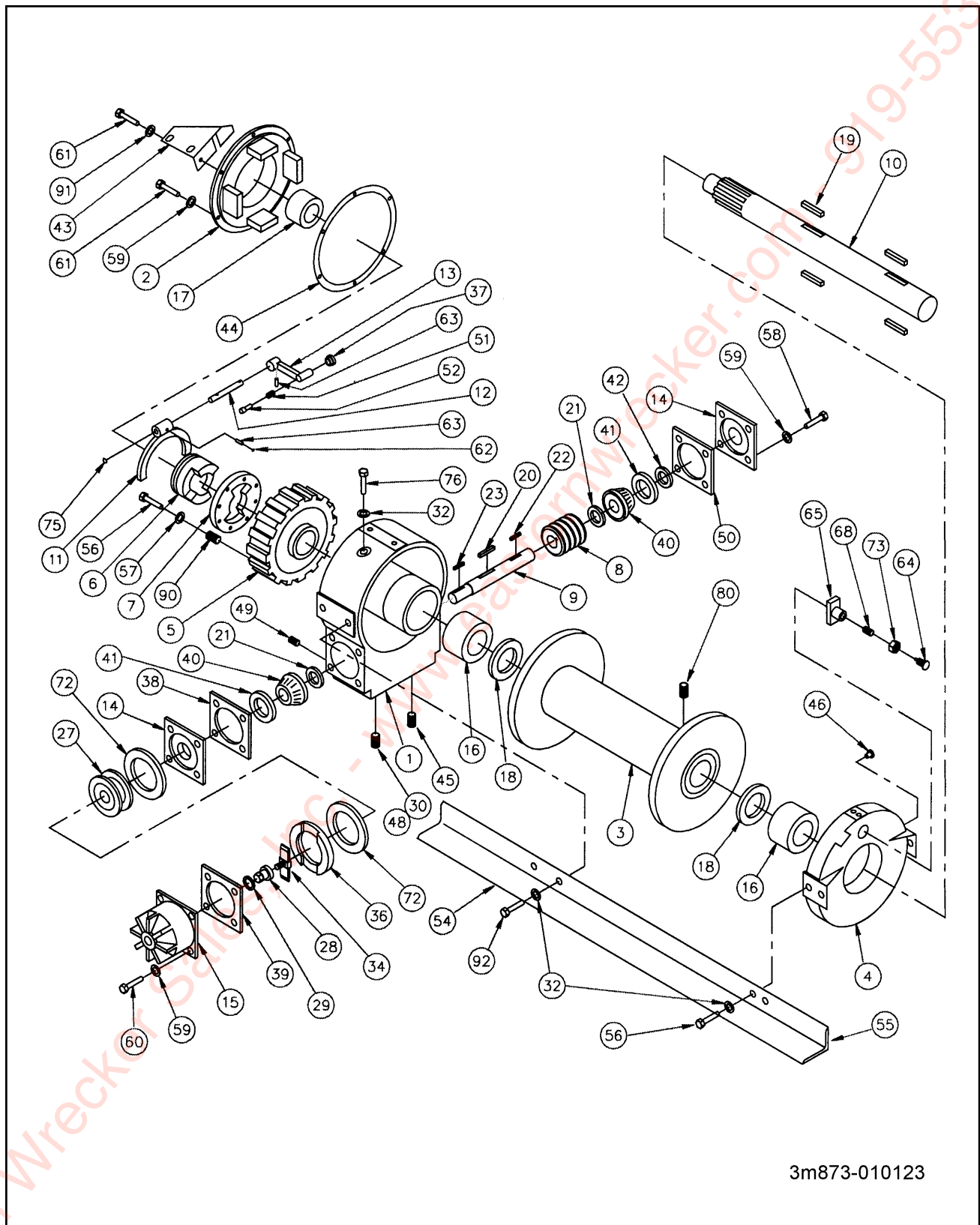


Figure 1-36 20,000# Winch Items

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

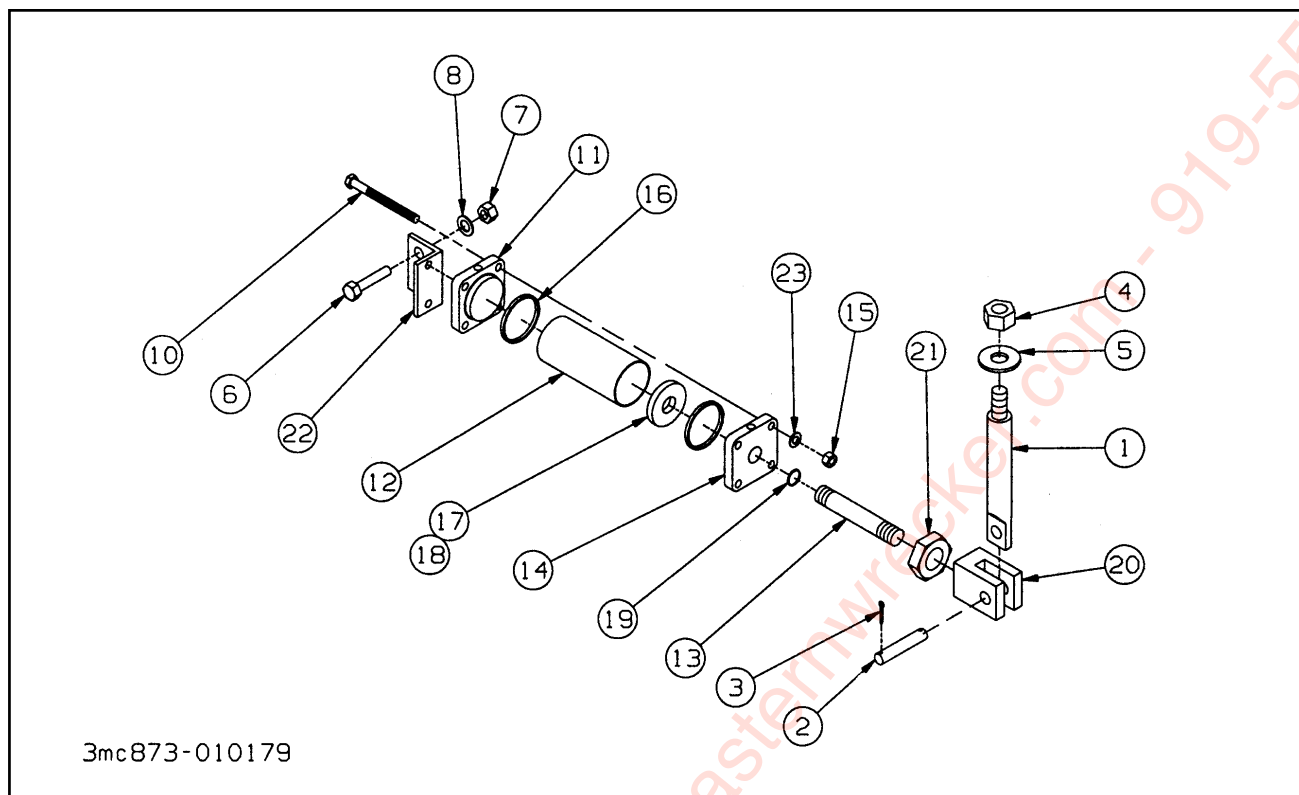


Figure 1-37 Winch Air Shift Cylinder for 20,000# Winch

WINCH AIR SHIFT CYLINDER

ITEM	PART NO.	DESCRIPTION	QTY.
	107368	WINCH AIR SHIFT CYLINDER (INCLUDES ITEMS 10 - 23)	1
1	2390	BRACKET	1
2	1976	PIN	1
3	2356	COTTER PIN	1
4	1-512-010007-05	NUT, HEX 1/4-20 GRB (1161)	1
5	1-861-010034-09	WASHER SPLIT LOCK 1/4(1766)	1
6	1-654-010055-01	SCREW, HEX HEAD CAP 1/2-13 X 1 GR5 (1486)	2
7	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB (1211)	2
8	1-861-010032-14	WASHER FLAT 1/2 (1210)	2
9	C2001	CYLINDER (INCLUDES ITEMS 10 - 23)	1
10	1128	CAP SCREW	4
11	1272	REAR COVER PLATE	1
12	1277	TUBE	1
13	2388	PISTON ROD	1
14	1271	FRONT COVER PLATE	1
15	1723	NUT	4
16	1274	BACK-UP-RING	2
17	1275	O-RING	1
18	1273	PISTON	1
19	1276	O-RING	1
20	1974	CLEVIS	1
21	1224	NUT	1
22	2389	BRACKET	1
23	1766	LOCKWASHER	4
24	3-150-010186	BUSHING WINCH REMOTE LEVER	1
	3109	O-RING KIT FOR CYLINDER	

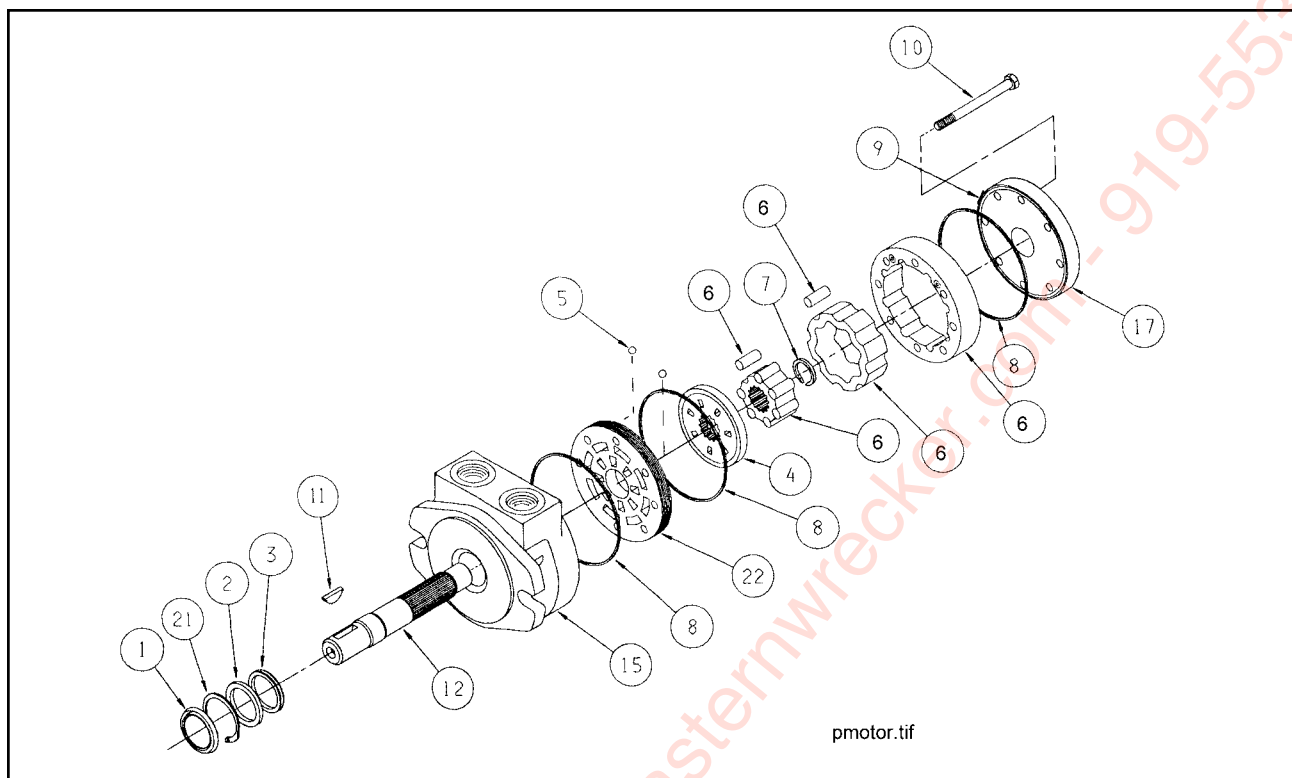


Figure 1-38 Winch Motor Assembly

WINCH MOTOR ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY.
	3-481-010007	MOTOR HYDRAULIC (FOR 20K WINCH)	1
	3-481-010006	MOTOR HYDRAULIC (FOR 12K WINCH)	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 (FOR 20K WINCH)	1
	1004-3	IGR ASSY (FOR 12K WINCH)	
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 (FOR 20K WINCH)	8
	1114-5	BOLTS HEX (FOR 12K WINCH)	
11	1655	KEY WOODRUFF	1
12	2265-6	SHAFT (FOR 20K WINCH)	1
	2109-3	SHAFT (FOR 12K WINCH)	
15	M110AB-4	BODY/BEARING ASSY (FOR 20K WINCH)	1
	PA-2328-2	BODY/BEARING ASSY (FOR 12K WINCH)	
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

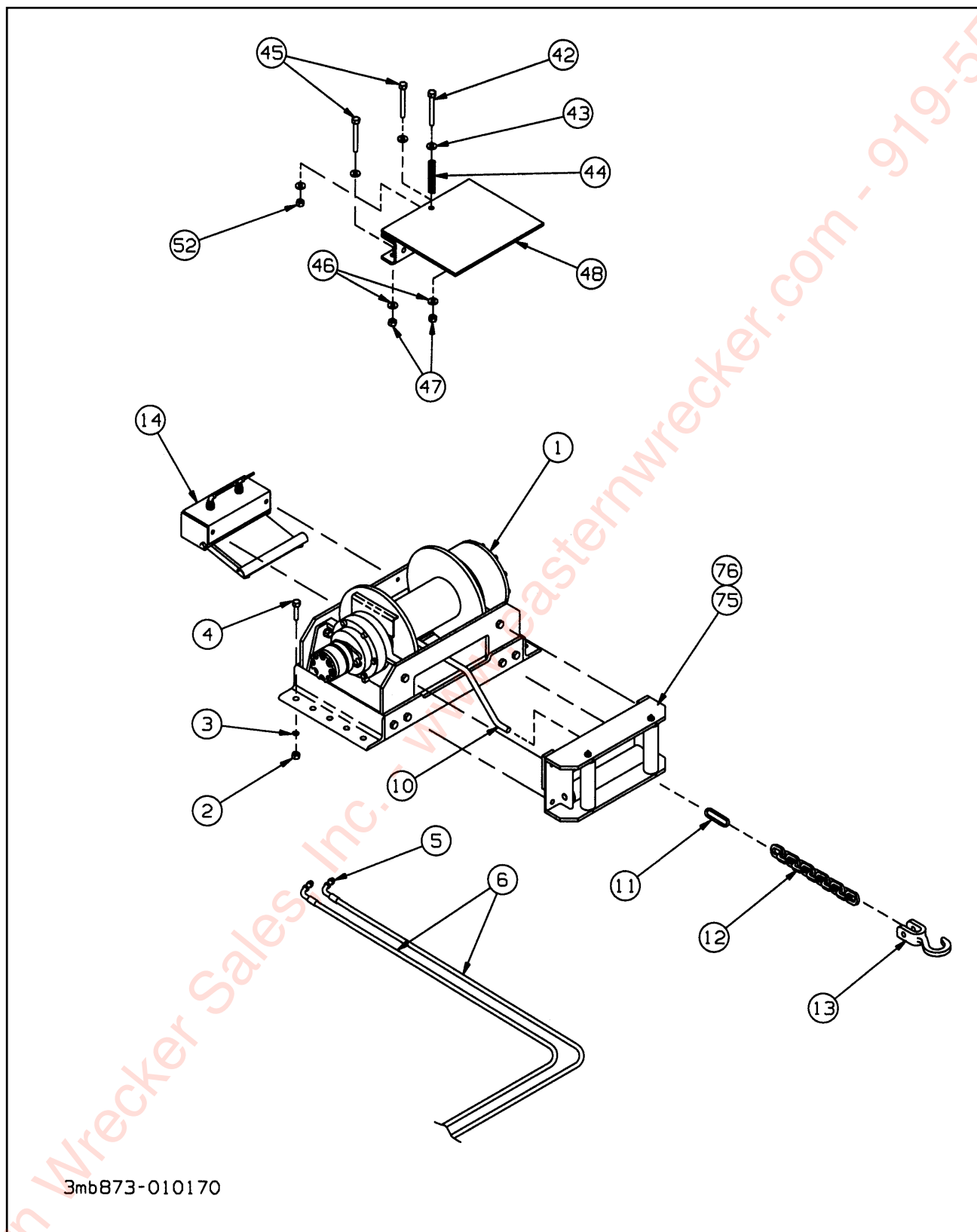


Figure 1-39 30K Upper Deck Winch Installation (1 of 2)

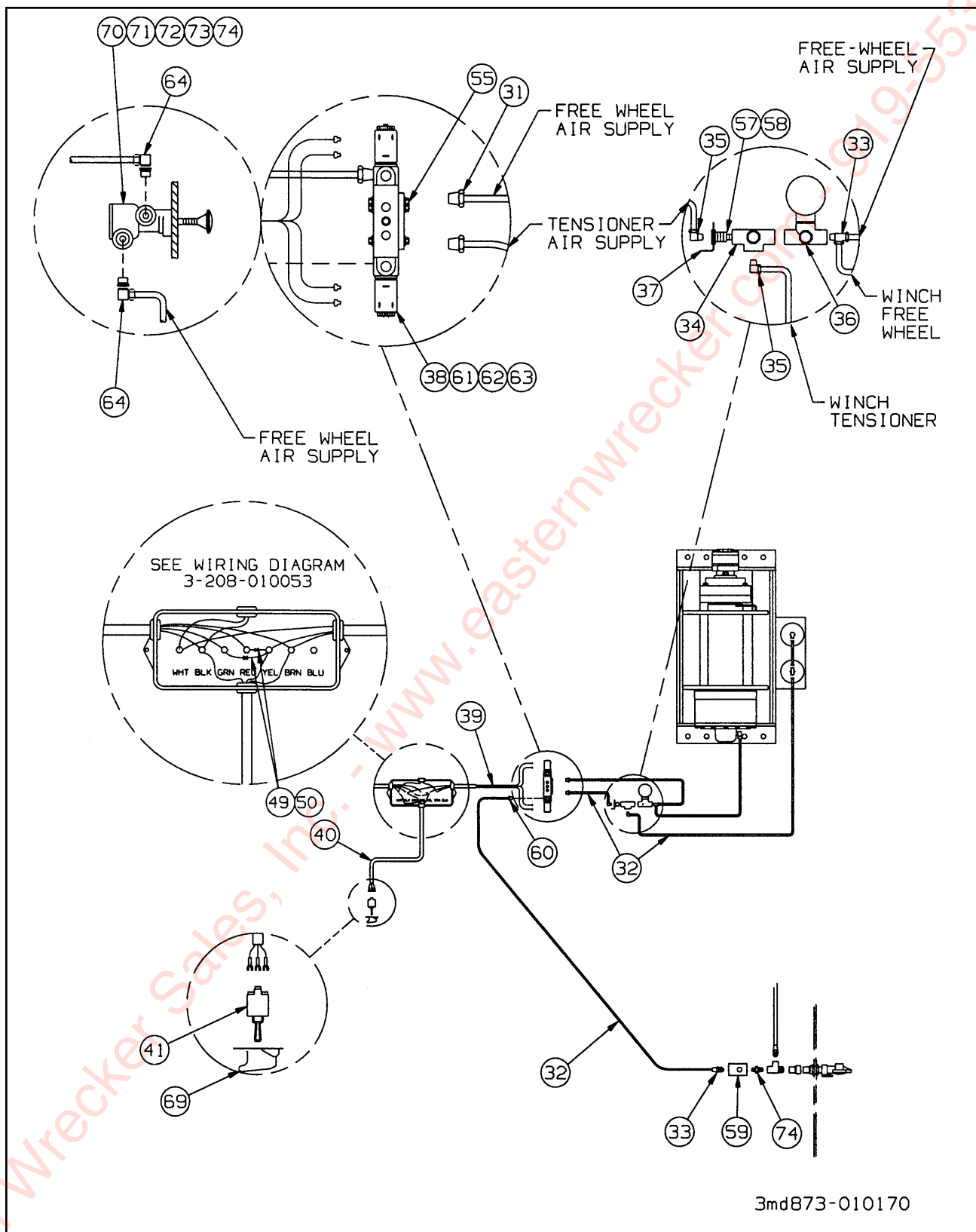


Figure 1-40 30K Upper Deck Winch Installation (2 of 2)

30K UPPER DECK WINCH INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	3-873-010170	WINCH INSTALLATION 600-30K UPPER DECK	
1	3-873-010173-01	WINCH 30K ITEMS (SEE PAGE 1-78)	1
2	1-512-010005-15	NUT HEX LOCK 3/4-10 GRB	10
3	1-861-010034-17	WASHER, SPLIT LOCK 3/4	10
4	1-654-010061-07	SCREW, HEX HEAD CAP 3/4-10X2-1/2 GR5	10
5	202702-8-8S	ADAPTER #8 O-RING TO #8 TUBE	2
6	1-397-010302220	HOSE ASSEMBLY	2
10	3-153-010016-XX	CABLE ASSEMBLY 3/4 W/ LOOP	REF
11	3-174-010059	CHAIN LINK 5/8	1
12	3-174-010060036	CHAIN GR 80	1
13	1-382-010035-06	HOOK, CLEVIS	1
14	3-873-010172	WINCH CABLE AIR TENSION 30K (SEE PAGE 1-81)	*1
31	1-297-010007-04	FITTING AIR	*2, ***1
32	1-833-010001	NYLON TUBING 1/4 OD	*34, ***34
33	1-297-010011-02	FITTING, AIR TEE	*1
34	3-843-010039-02	VALVE AIR SHUTTLE 1/4	*1
35	1-297-010008-07	FITTING, AIR 90	2
36	3-626-010004	REGULATOR, AIR PRESSURE	*1
37	3-120-010445	BRACKET, PRESSURE REGULATOR	*1
38	3-843-010022	VALVE, PNEUMATIC	*1, ***1
39	3-368-010129	HARNESS ASSY SINGLE REMOTE	*1, ***1
40	3-368-010187	HARNESS REMOTE SWITCH	*1, ***1
41	1-765-010065	TOGGLE SWITCH SPDT	*1, ***1
42	1-654-010055-17	SCREW, HEX HEAD CAP 1/2-13X6 GR5	****1
43	1-861-010032-15	WASHER FLAT 1/2	****2
44	3-720-010010	SPRING COMP LEVEL WIND	****1
45	1-654-010059-05	SCREW, HEX HEAD CAP 5/8-11X2 GR5	****2
46	1-861-010032-18	WASHER, FLAT 5/8N	****4
47	1-512-010005-13	NUT, HEX LOCK 5/8-11 GRB	****2
48	3-876-010017	WINCH TENSIONER WLDMT 30K	****1
49	2-272-010109	ZENOR DIODE	***2
50	3-272-010018	TUBING HEAT SHRINK W/ SEALANT	***2
52	1-512-010005-09	NUT, HEX LOCK 1/2-13 GRB	****1
55	3-136-010001-01	BREATHING, PNEUMATIC EXHAUST	***2
57	1-297-010022-02	FITTING, AIR ANCHOR	1
58	1-297-010020-02	FITTING, BRASS PIPE	1
59	905-54-107	BRAKE PROTECTION VALVE	***1
	48100200	FILTER	***1
60	1-297-010008-05	FITTING, AIR 90	***1
61	1-654-010024014	SCREW, MACH FIL #6-32X1-1/2	***3
62	1-861-010032-01	WASHER, FLAT #6	***3
63	1-512-010003-02	NUT, HEX LOCK #6-32	***3
64	1-297-010015-07	FITTING, AIR BRANCH TEE	***2
69	3-348-010048	GUARD SWITCH - 3 POSITION	1
70	3-843-010008	VALVE AIR 3 WAY 2 POS PUSH-PULL	**1
71	1-654-010024-079	SCREW MACHINE FIL HEAD #10-32 X 3/4	**2
72	1-861-010032-18	WASHER FLAT 5/8N	**2
73	1-861-010034-07	WASHER SPLIT LOCK #10	2
74	1-512-010008-03	NUT HEX #10-32 GRB	2
75	3-873-010171	WINCH ROLLER GUIDE 30K PLNTY DP (SEE PAGE 1-80)	*1
76	1-654-010059-09	SCREW HEX HEAD CAP 5/8-11 X 3 GR5	*4

NOTES:

- * - FOR AIR TENSION OPTION.
- ** - FOR CABLE ROLLER OPTION.
- *** - FOR AIR SHIFT OPTION.
- **** - FOR SPRING TENSION OPTION.

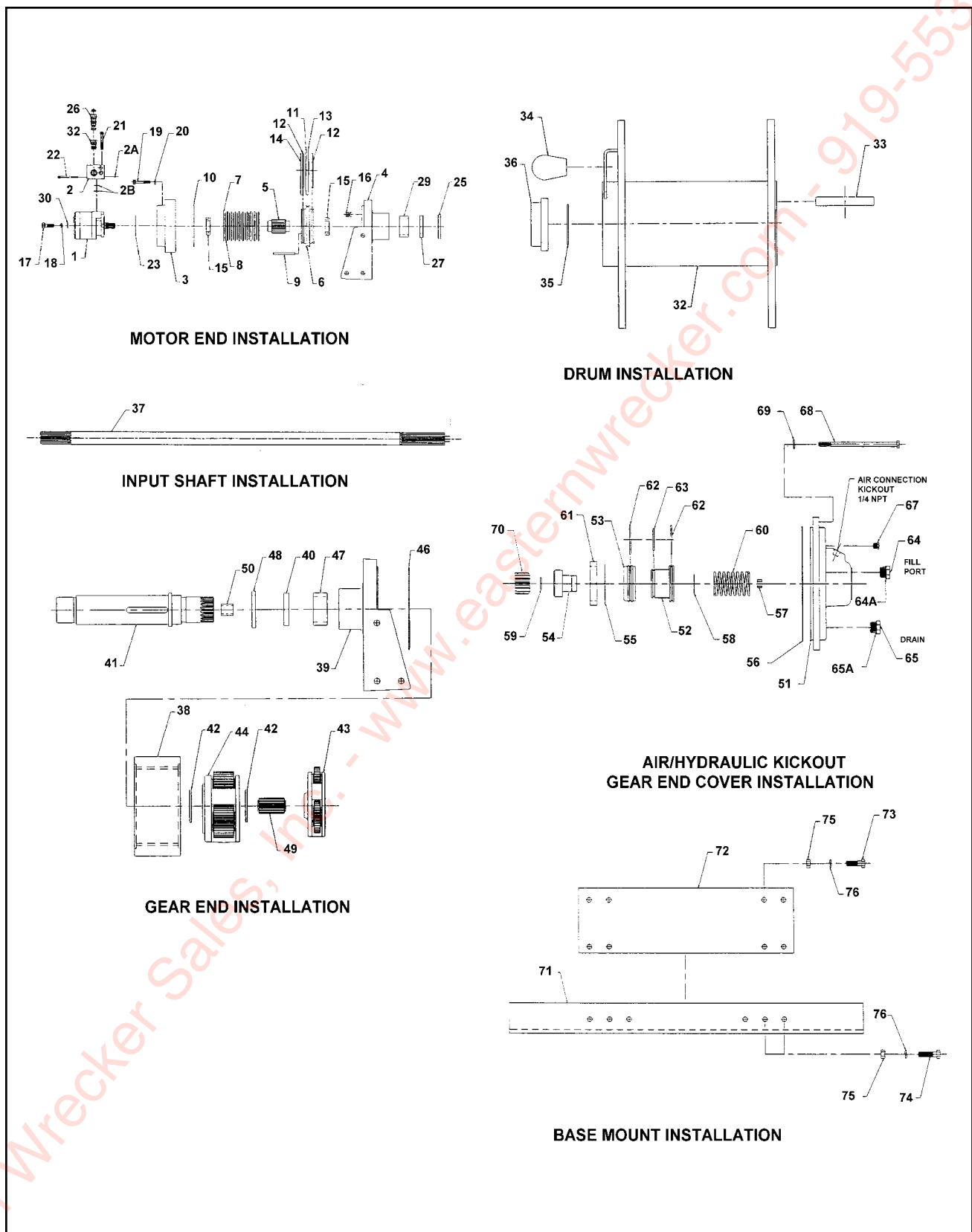


Figure 1-41 30,000# Winch Items

30,000# WINCH ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.
	3-873-010173-01	WINCH 30K ITEMS	
MOTOR END INSTALLATION			
1	73174	MOTOR, HYDRAULIC	1
2	13330	VALVE, COUNTERBALANCE	1
2A	9612	O-RING, 1/8 I.D. X 3/32 SECTION	2
2B	9972	O-RING, 5/8 I.D. X 13/16 X 3/32 SECTION	2
3	13316	BRAKE HOUSING	1
4	13299	SUPPORT MOTOR END	1
5	11750	SHAFT BRAKE	1
6	11443	PISTON BRAKE	1
7	11603	PLATE DISC FRICTION	10
8	3159	PLATE DRIVE BRAKE	9
9	3263	PIN DOWEL 5/16 DIA. X 3-1/2	2
10	9844	O-RING, 7 O.D. X 6-3/4 I.D.	1
11	9853	O-RING, 6-1/2 I.D. X 3/16 SECTION	1
12	9851	O-RING, 5-3/8 I.D. X 5-3/4 O.D. X 3/16 SECTION	2
13	9854	RING, BACK-UP	1
14	9852	RING, BACK-UP 5-3/8 I.D.	1
15	81434	BEARING BALL 1-3/4 I.D.	2
16	2319	SPRING COMPRESSION	12
17	1402	CAP SCREW HEX HEAD 1/2-13 X 1-1/4	2
18	1495	WASHER LOCK 1/2	2
19	1376	SCREW CAP HEX HEAD 7/16 X 2-1/2	6
20	1388	WASHER LOCK 7/16	6
21	1188	SCREW CAP SOCKET HEAD 5/16 X 3	4
22	4042	SCREW CAP SOCKET HEAD 1/4-20 X 3-3/4	1
23	9880	O-RING 3 I.D. X 1/8 SECTION	1
24	10708	TAG WARNING	1
25	9890	SEAL SHAFT	1
26	3177	CARTRIDGE COUNTERBALANCE	1
27	13288	WASHER THRUST BRONZE	1
28	81454	BEARING -TORRINGTON	1
30	1498	WASHER FLAT 1/2 SAE	2
31	13356	ASSEMBLY PLUG	1
DRUM INSTALLATION			
32	13285	DRUM	1
33	11977	KEY DRUM	2
34	10525	WEDGE CABLE 5/8	1
35	9672	O-RING 2-5/8 ID X 1/8 W	1
36	13286	SPACER	1
INPUT SHAFT INSTALLATION			
37	13317	SHAFT INPUT	1
GEAR END INSTALLATION			
38	3126	GEAR RING	1
39	13300	SUPPORT GEAR END	1
40	13288	WASHER THRUST	1

30,000# WINCH ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.
41	13301	SHAFT OUTPUT	1
42	13164	WASHER THRUST NYLON 3-1/2 OD X 3/16 SECTION	2
43	12486	CARRIER ASSEMBLY PRIMARY	1
44	12516	CARRIER ASSEMBLY SECONDARY	1
45	10848	LABEL WARNING	1
46	9695	O-RING 8-3/4 I.D. X 1/8 SECTION	1
47	81454	BEARING	1
48	9890	SEAL SHAFT	1
49	13306	GEAR SUN	1
50	81608	BUSHING ID 1-1/4 OD X 1 LG	1
AIR/HYD. KICKOUT GEAR END COVER INSTALLATION			
51	13675	COVER GEAR END	1
52	13295	PISTON AKO B/C/D	1
53	13296	CYLINDER PISTON	1
54	13297	COUPLING DRIVE	1
55	3632	RING RETAINING RD SEC 3 O.D. X .10 SEC	1
56	9695	O-RING 8-3/4 I.D. X 1/8 SECTION	1
57	81612	BUSHING BRONZE 3/8 I.D. X 3/8 L	1
58	3303	RING RETAINING 1-1/4	1
59	3321	RING RETAINING RD SEC .805 I.D.	1
60	2309	SPRING COMPRESSION	1
61	13288	WASHER THRUST BRONZE 3.81 X .406 W	1
62	9672	O-RING 2-5/8 I.D. X 1/8 SECTION	2
63	9704	O-RING 2-1/8 I.D. X 2-3/8 O.D.	1
64	76344	PLUG SKT HD O-RING #10 7/8 - 14	1
64A	9992	O-RING .755 I.D. X .097 W 3-910	1
65	76343	PLUG SKT HD O-RING MAG #10	1
65A	9992	O-RING .755 I.D. X .097 W 3-910	1
66	1157	CAPLUG #4 RED	1
67	3059	RELIEF VENT	1
68	1317	SCREW CAP HEX HEAD 3/8 X 16 X 5-1/2	12
69	1395	WASHER LOCK 3/8	12
70	13235	GEAR SUN AKO	1
BASE MOUNT INSTALLATION			
71	14068	BASE MOUNT CUSTOM - B SERIES - A LENGTH	2
72	1505	SCREW CAP HEX HAD 5/8-11 X 2-1/4 GR5	12
73	1590	NUT HEX 5/8 - 11 GR2	12
74	1595	WASHER LOCK 5/8 MEDIUM PLAIN	12
75	1165	RIVET DRIVE U TYPE #2 X 1/4 LONG	4
76	10466	PLATE INFORMATION	1

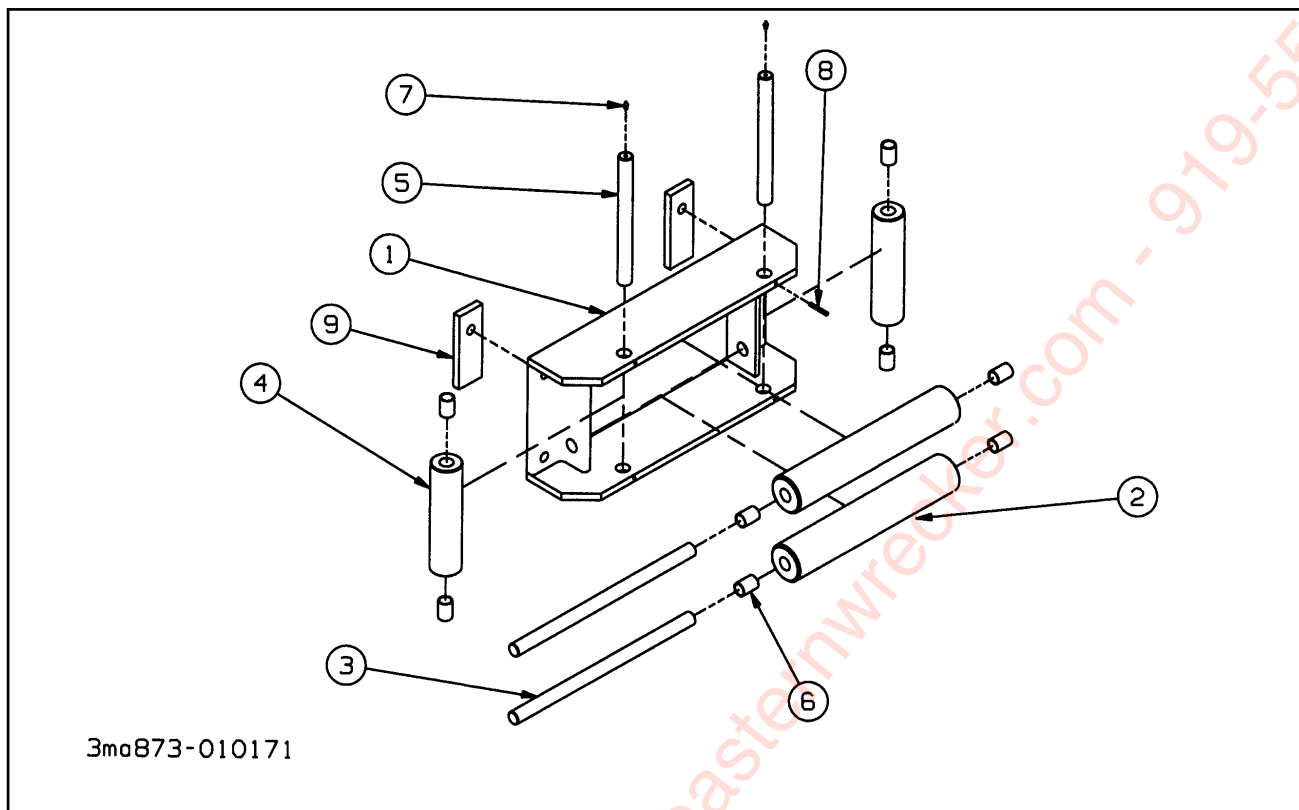


Figure 1-42 Winch Roller Guide - 30K

WINCH ROLLER GUIDE -30K

ITEM	PART NO.	DESCRIPTION	QTY.
	3-873-010171	WINCH ROLLER GUIDE - 30K PLNTY DP-600(DP#14072)	
1	14069	BRACKET	1
2	14070	HORIZONTAL ROLLER	2
3	14071	SHAFT ROLLER	2
4	13400	VERTICAL ROLLER	2
5	13403	SHAFT ROLLER	2
6	81611	BUSHING	8
7	1000	FITTING	4
8	3456	PIN SPRING	4
9	14074	SPACER	2

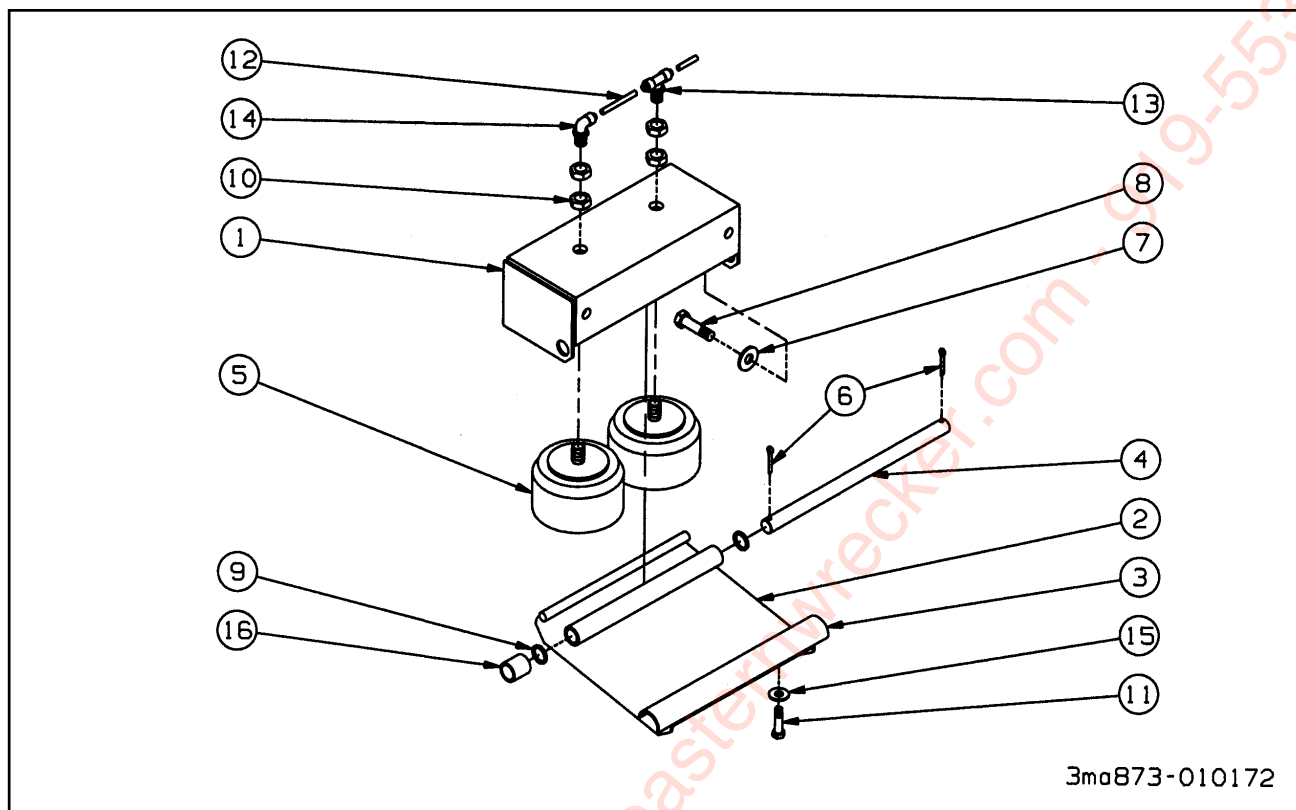


Figure 1-43 Winch, Cable Air Tension

WINCH, CABLE AIR TENSION

ITEM	PART NO.	DESCRIPTION	QTY.
	3-873-010172	WINCH, CABLE AIR TENSION (30K)	
1	52859	MOUNTING BRACKET	1
2	13969	ARM	1
3	13996	RUB BAR	1
4	13968	PIVOT PIN	1
5	3445	AIR CUSHIONS	2
6	1027	COTTER PIN	2
7	1495	WASHER	2
8	1401	CAPSCREW	2
9	13063	WASHER	2
10	1589	JAM NUT	4
11	1166	CAPSCREW	2
12	69095	TUBING	REF
13	78402	ADAPTER TEE	1
14	78403	ADAPTER TUBE	1
15	1168	WASHER	2
16	13973	SPACER	1

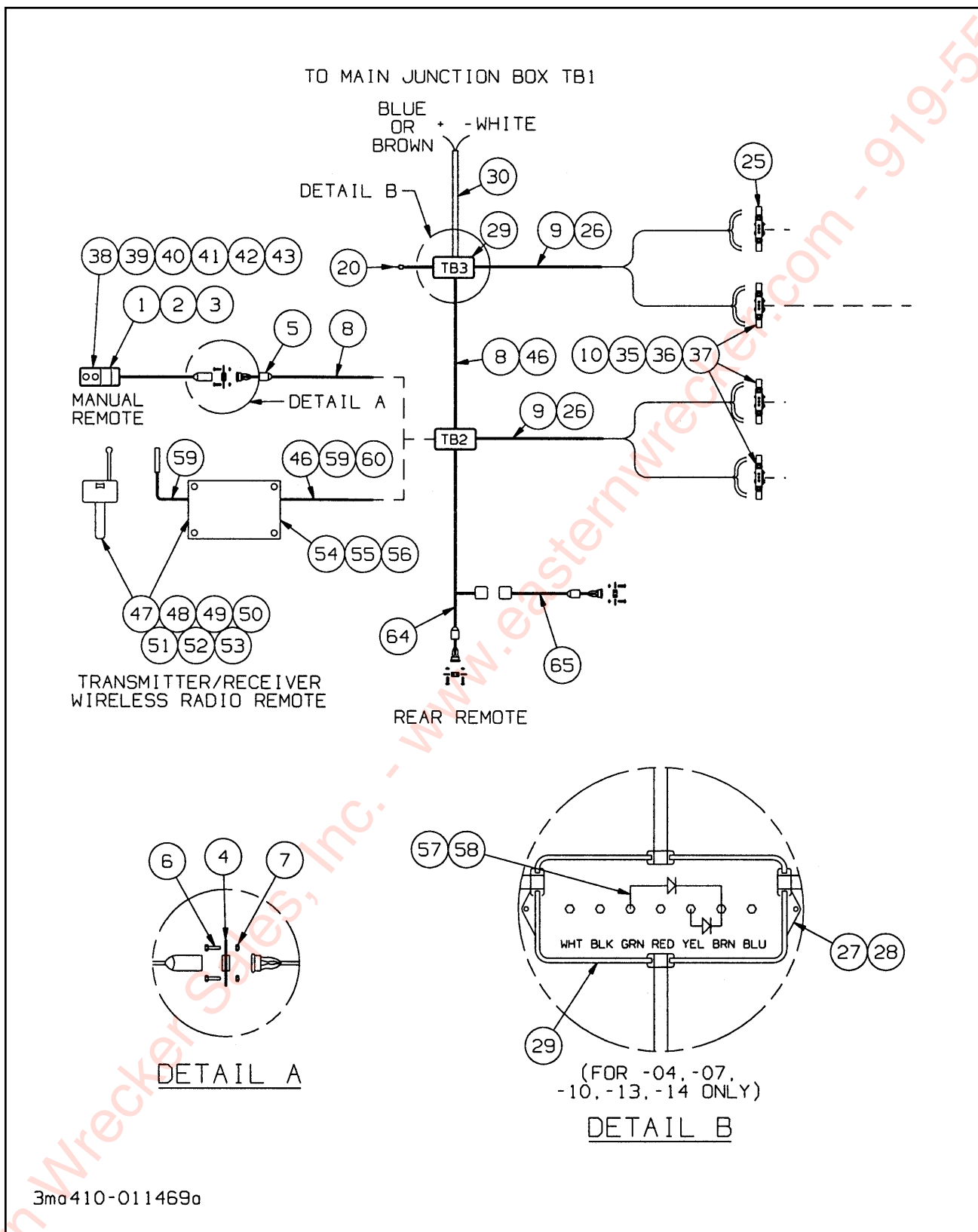


Figure 1-44 Remote Control Items (1 of 2)

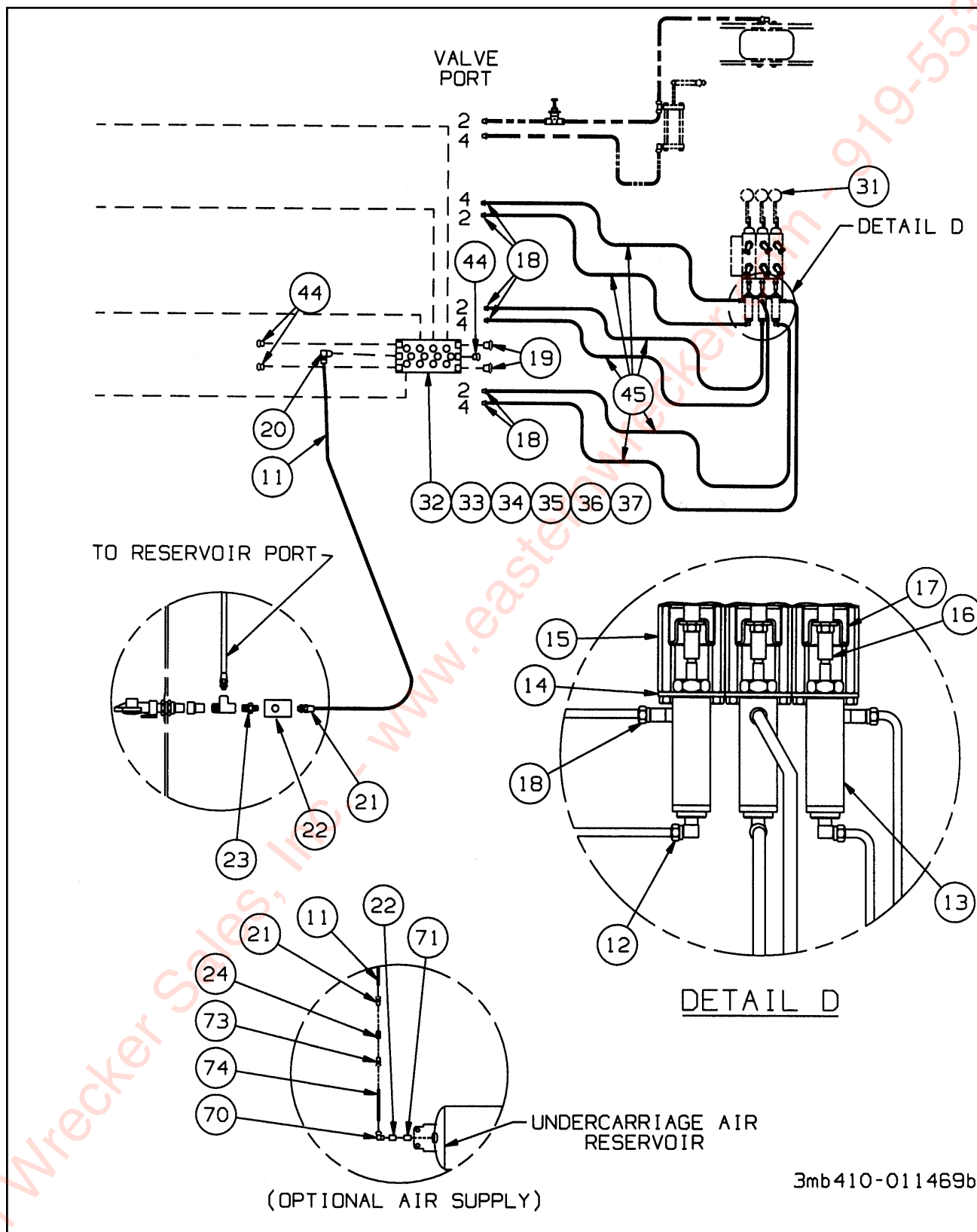


Figure 1-45 Remote Control Items (2 of 2)

WIRED REMOTE CONTROL ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.						
			-01	-02	-03	-04	-05	-06	-07
	3-208-010053	REMOTE CONTROL ASSY	1	1	1	1	1	1	1
1	3-765-010001	SW REMOTE CONT ASSY (SEE PAGE 1-89)	1	-	-	-	-	-	-
2	3-209-010004	CONT ELECT TRPL FUNC (SEE PAGE 1-89)	-	1	1	1	1	-	-
3	3-209-010006	CONT ELECT TRPL FUNC (SEE PAGE 1-89)	-	-	-	-	-	1	1
4	3-272-010125	RECEPTACLE 7-PIN	1	1	1	1	1	1	1
5	59W-2-3	RUBBER BOOT	1	1	1	1	1	1	1
6	1-654-010049-06	SCREW HEX HEAD CAP 5/16-18X1-1/4 GR5	2	2	2	2	2	2	2
7	1-512-010005-03	NUT HEX LOCK 5/16-18 GRB	2	2	2	2	2	2	2
8	3-368-010189	HARNESS PANEL	1	1	1	1	1	1	1
9	3-368-010125	HARNESS PANEL	-	1	1	-	1	1	1
10	3-843-010015	VALVE PNEUM. 4-WAY 3- POS	1	2	2	1	2	3	2
11	62P4	NYLON TUBING 1/4 OD	8,28*	8,28*	8,28*	8,28*	8,28*	8,28*	8,28*
12	1-297-010008-01	FITTING AIR 90	1	2	2	1	2	3	2
13	3-238-010001	CYLINDER AIR	1	2	2	1	2	3	2
14	3-482-010288	MT AIR CYL VALVE	1	2	2	1	2	3	2
15	3-711-010055	SPACER	4	8	8	4	8	12	8
16	3-007-010039	ADAPTER AIR CYLINDER	1	2	2	1	2	3	2
17	3-161-010034	CAP MOD. VALVE SPOOL	1	2	2	1	2	3	2
18	68CA-2-2	CONNECTOR AIR	3	6	6	3	6	9	6
19	3-136-010001-02	BREATHER PNEUMATIC EXCH 1/4 NPT	2	2	2	2	2	2	2
20	1-297-010008-07	FITTING AIR 90	2,1*	2,1*	2,1*	2,1*	2,1*	2,1*	2,1*
21	1-297-010007-05	FITTING AIR STR	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*
22	905-54-107	VALVE FILTER PRESSURE	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*
	48100200	FILTER	1	1	1	1	1	1	1
23	1-297-010019-05	FITTING BRS PIPE HEX 3/8 X1/4	1	1	1	1	1	1	1
25	3-843-010022	VALVE PNEU. 4-WAY 2-POS	REF	REF	REF	REF	REF	REF	REF
26	3-368-010129	HARNESS ASSY	1	-	-	1	-	1	-
27	1-861-010032-06	WASHER FLAT 1/4N	2	2	2	2	2	4	4
28	1-512-010005-01	NUT HEX LOCK 1/4- 20 GRB	2	2	2	2	2	4	4
29	750-029	JUNCTION BOX 7-STUD	1	1	1	1	1	2	2
30	3-368-010188	HARNESS PWR JUMPER	1	1	1	1	1	1	1
32	3-843-010023	VALVE PNEU MANIFOLD	-	1	1	-	1	1	1
33	3-843-010025	VALVE PNEU MANIFOLD	1	-	-	1	-	-	-
34	3-843-010024	VALVE BLK STATION CVR	1	2	2	-	2	1	1
35	1-654-010024014	SCREW MACH SLOT #6-32X1-1/2 GR2	4	4	4	4	4	4	4
36	1-861-010032-01	WASHER FLAT #6	4	4	4	4	4	4	4
37	1-512-010003-02	NUT HEX LOCK #6-32 GRB	4	4	4	4	4	4	4
38	3-209-010004-01	CNTRL RMT WINCH TILT 660 (SEE PAGE 1-89)	-	1	-	-	-	-	-
39	3-209-010004-03	CNTRL RMT WINCH U/C 660	-	-	1	-	-	-	-

WIRED REMOTE CONTROL ITEMS

ITEM	PART NO.	DESCRIPTION	QTY.						
			-01	-02	-03	-04	-05	-06	-07
		(SEE PAGE 1-89)							
40	3-209-010004-04	CNTRL RMT TILT U/C 660 (SEE PAGE 1-89)	-	-	-	-	1	-	-
41	3-209-010006-02	CNTRL RMT WINCH TILT U/C (SEE PAGE 1-89)	-	-	-	-		1	-
42	3-209-010006-01	CNTRL RMT WINCH TILT TEN (SEE PAGE 1-89)	-	-	-	-		-	1
43	3-209-010004-02	CNTRL RMT WINCH (SEE PAGE 1-89)	-	-	-	1		-	-
44	1-297-010033-02	PLUG BRASS PIPE 1/4	3	6	6	3	6	9	6
45	NB-2-016	TUBING NYLON 1/8 OD	3	6	6	3	6	9	6
57	2-272-010109	ZENOR DIODE 20V 5A				2			2
58	3-272-010018	HEAT SHRINK INSULATOR				2			2
64	3-368-010190	HARN REAR 660-48(OPT)	1	1	1	1	1	1	1
	3-368-010198	HARN REAR 660-53(OPT)	1	1	1	1	1	1	1
65	3-368-010191	HARN CURB SIDE(OPT)	1	1	1	1	1	1	1
70	1-297-010008-18	FITTING AIR 90	1*	1*	1*	1*	1*	1*	1*
71	2088-8-4S	NIPPLE CLOSE	1*	1*	1*	1*	1*	1*	1*
73	1-297-010007-11	FITTING AIR STR	1*	1*	1*	1*	1*	1*	1*
74	1-833-010002	TUBING NYLON 3/8 OD	24*	24*	24*	24*	24*	24*	24*

* AIR SUPPLIED FROM SUSPENSION AIR RESERVOIR FEATURE

NOTE: DASH NUMBERS ARE FOR THE FOLLOWING REMOTE TYPES:

- 01 - SINGLE REMOTE, WINCH
- 02 - DUAL REMOTE, WINCH AND TILT
- 03 - DUAL REMOTE, WINCH AND AXLE
- 04 - DUAL REMOTE, WINCH AND TENSION
- 05 - DUAL REMOTE, TILT AND AXLE
- 06 - TRIPLE REMOTE, WINCH, TILT, AND AXLE
- 07 - TRIPLE REMOTE, WINCH, TILT, AND TENSION

RADIO REMOTE CONTROL ITEMS(REF. FIG. 1-44 AND 1-45)

ITEM	PART NO.	DESCRIPTION	QTY.						
			-08	-09	-10	-11	-12	-13	-14
	3-208-010053	REMOTE CNTRL ASSY	1	1	1	1	1	1	1
9	3-368-010125	HARNESS ASSY	1	1	-	1	1	1	1
10	3-843-010015	VALVE PNEUMATIC	2	2	1	2	3	2	3
11	62P4	NYLON TUBING	8,28	8,28	8,28	8,28	8,28	8,28	8,28
			*	*	*	*	*	*	*
12	1-297-010008-01	FITTING AIR 90	2	2	1	2	3	2	3
13	3-238-010001	CYLINDER AIR	2	2	1	2	3	2	3
14	3-482-010288	MT AIR CYLDR VALVE	2	2	1	2	3	2	3
15	3-711-010055	SPACER	8	8	4	8	12	8	12
16	3-007-010039	ADAPTER AIR CYLINDER	2	2	1	2	3	2	3
17	3-161-010034	CAP MOD VALVE SPOOL	2	2	1	2	3	2	3
18	68CA-2-2	CONNECTOR AIR	6	6	3	6	9	6	9
19	3-136-010001-02	BREATHER PNEU EXCH	2	2	2	2	2	2	2
20	1-297-010008-07	FITTING AIR 90	2,1*	2,1*	2,1*	2,1*	2,1*	2,1*	2,1*
21	1-297-010007-05	FITTING AIR STR	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*	1,2*
22	905-54-107	VALVE & FLTR PRESSURE	1	1	1	1	1	1	1
	48100200	FILTER	1	1	1	1	1	1	1
23	1-297-010020-02	FITTING BRS PIPE HEX 3/8 X 1/4	1	1	1	1	1	1	1
25	3-843-010022	VALVE PNEU. 4-WAY 2-POS	REF	REF	REF	REF	REF	REF	REF
26	3-368-010129	HARN ASSY SGL REMOTE	-	-	1	-	1	-	1
27	1-861-010032-06	WASHER FLAT 1/4 N	2	2	2	2	4	4	4
28	1-512-010005-01	NUT HEX LOCK 1/4-20 GRB	2	2	2	2	4	4	4
29	750-029	JUNCTION BOX 7-STUD	1	1	1	1	2	2	2
30	3-368-010188	HARN PWR JUMPER 660	1	1	1	1	1	1	1
32	3-843-010023	VALVE PNEU MANIFOLD	1	1	-	1	1	1	1
33	3-843-010025	VALVE PNEU MANIFOLD	-	-	1	-	-	-	-
34	3-843-010024	VALVE BLK STATION CVR	2	2	-	2	1	1	-
35	1-654-010024014	SCREW MACH SLOT #6-32 GR2	4	4	4	4	4	4	4
36	1-861-010032-01	WASHER FLAT #6	4	4	4	4	4	4	4
37	1-512-010003-02	NUT HEX LOCK #6-32 GRB	4	4	4	4	4	4	4
44	1-297-010033-02	FTG BRASS PLUG HEX 1/4	3	3	3	3	3	3	3
45	NB-2-016	TUBING NYLON FLEX 1/8 OD	6	6	3	6	9	6	9
46	3-153-010014	CABLE ASSY	1	1	1	1	1	1	1
47	3-208-010057	CNTRL RADIO WINCH/TILT	1	-	-	-	-	-	-
48	3-208-010058	CNTRL RADIO WINCH/AXLE	-	1	-	-	-	-	-
49	3-208-010059	CNTRL RADIO WINCH/TEN	-	-	1	-	-	-	-
50	3-208-010060	CNTRL RADIO TILT/AXLE	-	-	-	1	-	-	-
51	3-208-010061	CNTRL RADIO WIN/TILT/AX	-	-	-	-	1	-	-
52	3-208-010062	CNTRL RADIO WIN/TEN/TIL	-	-	-	-	-	1	-
53	3-208-010055-03	CNT RAD WIN/TEN/TLT/AX	-	-	-	-	-	-	1
54	118-5252	NUT HEX LOCK #10-32 GRB	4	4	4	4	4	4	4
55	1-861-010032-03	WASHER FLAT #10	8	8	8	8	8	8	8
56	110-9845	HEX NUT #10-32 GRB	4	4	4	4	4	4	4
57	2-272-010109	ZENOR DIODE 20V 5A	-	-	2	-	-	2	2
58	3-272-010018	HEAT SHRINK INSULATOR	-	-	2	-	-	2	2
59	1-796-010002-01	TIE STRAP PLASTIC	5	5	5	5	5	5	5
60	900729-3	CLAMP HOSE	1	1	1	1	1	1	1

RADIO REMOTE CONTROL ITEMS(REF. FIG. 1-44 AND 1-45)

ITEM	PART NO.	DESCRIPTION	QTY.						
			-08	-09	-10	-11	-12	-13	-14
70	1-297-010008-18	FITTING AIR 90	1*	1*	1*	1*	1*	1*	1*
71	2088-8-4S	NIPPLE CLOSE	1*	1*	1*	1*	1*	1*	1*
72	1-297-010007-05	FITTING AIR STR	1*	1*	1*	1*	1*	1*	1*
73	1-297-010007-11	FITTING AIR STR	1*	1*	1*	1*	1*	1*	1*
74	1-833-010002	TUBING NYLON 3/8 OD	24*	24*	24*	24*	24*	24*	24*

* AIR SUPPLIED FROM SUSPENSION AIR RESERVOIR FEATURE

NOTE: DASH NUMBERS ARE FOR THE FOLLOWING REMOTE TYPES:

- 08 - DUAL REMOTE, WINCH AND TILT
- 09 - DUAL REMOTE , WINCH AND AXLE
- 10 - DUAL REMOTE , WINCH AND TENSION
- 11 - DUAL REMOTE, TILT AND AXLE
- 12 - TRIPLE REMOTE, WINCH TILT AND AXLE
- 13 - TRIPLE REMOTE, WINCH TILT AND TENSION
- 14 - QUAD, REMOTE, WINCH, TENSION, TILT, AND AXLE

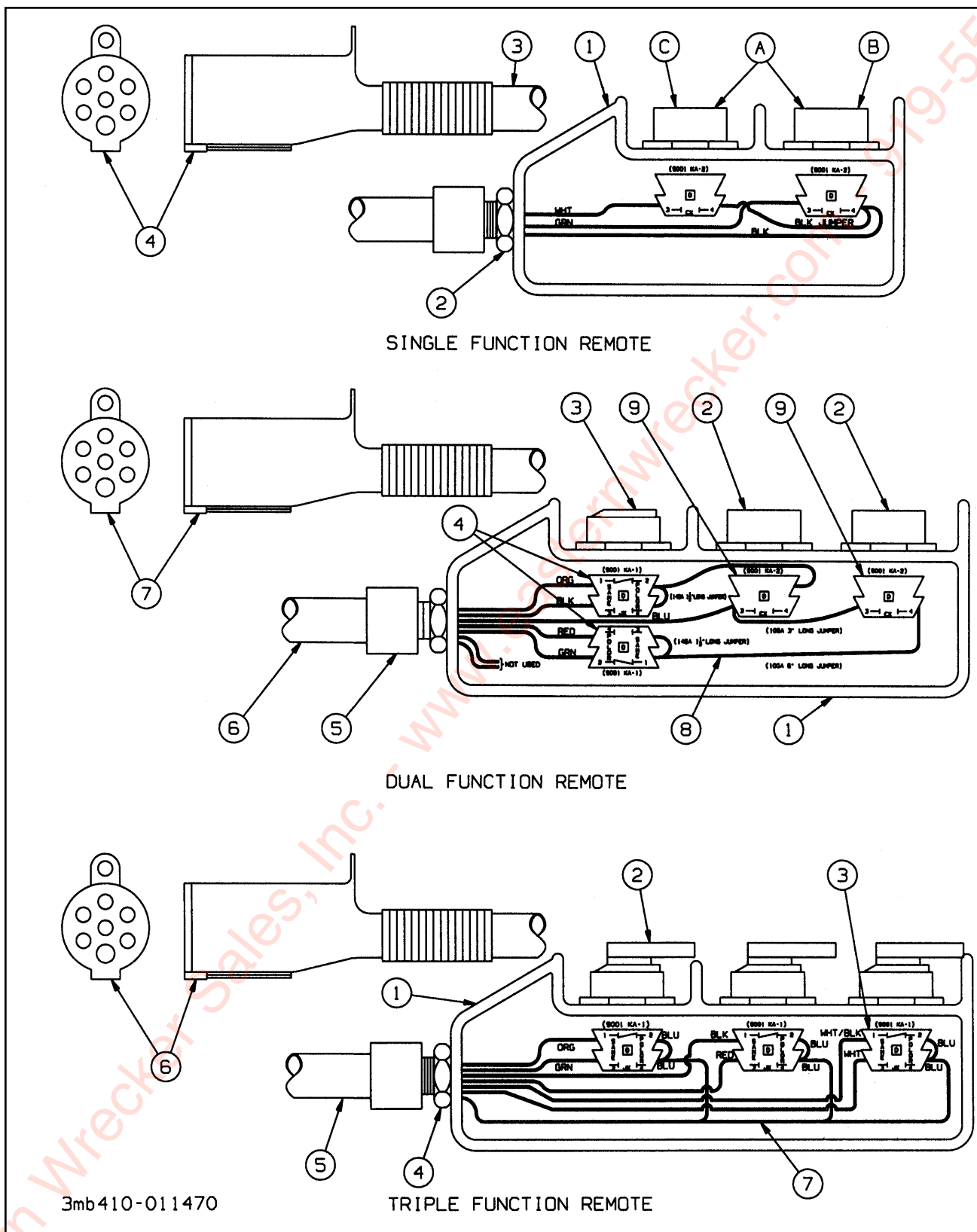


Figure 1-46 Wired Remote Control

WIRED REMOTE CONTROL, SINGLE

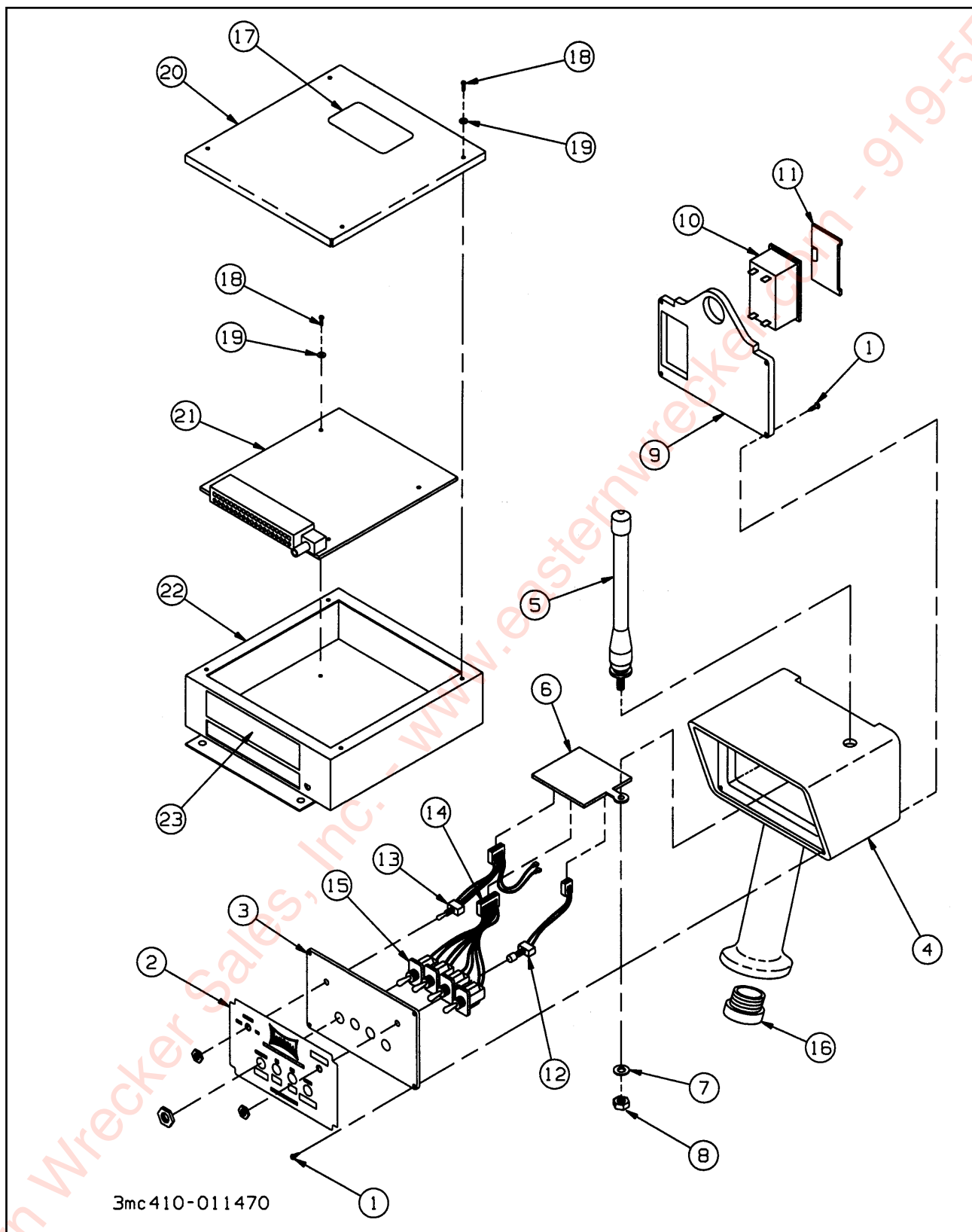
ITEM	PART NO.	DESCRIPTION	QTY.
1	3-765-010001	SWITCH REMOTE CONTROL ASSY	
	3-209-010003	PUSH BUTTON STATION	1
	106069	SHORT RING NUT FOR BUTTON	1
A	9001-BW70YU	CONTROL STATION SQD(CONTACT BLKS INCL)	1
B	9001-B256	REVERSE LEGEND	1
C	9001-B255	FORWARD LEGEND	1
2	DB-10	STRAIN RELIEF CORD CONN	1
3	3-156-010007600	THREE CONDUCTOR WIRE	1
4	59P8	TRAILER CONN PLUG	1

WIRED REMOTE CONTROL, DUAL

ITEM	PART NO.	DESCRIPTION	QTY.
1	3-209-010004	CONTROL ELECT DUAL FUNC. RMT	
	3-279-010037	ENCLOSURE DUAL REMOTE	1
2	3-272-010080	ELECTRICAL PUSH BUTTON UNITS	2
	106069	SHORT RING NUT FOR BUTTON	2
3	3-272-010079	ELECTRICAL CONTACT OPERATOR	1
4	3-272-010078	ELECTRICAL CONTACT BLOCK	2
5	106-0079	CONNECTOR 1/2 CORD T&B 2522	1
6	3-156-010043	CABLE 16AWG X 7 CONDUCTOR	50
7	59P8	TRAILER CONN PLUG	1
8	1-879-010011	WIRE BLACK 14AWG	2
9	3-272-010095	ELECTRICAL CONTACT BLOCK	2
10	3-573-010296	DECAL, WINCH TILT	1
	3-573-010391	DECAL, REMOTE WINCH TENSION	1
	3-573-010392	DECAL, REMOTE WINCH UNDERCARRIAGE	1
	3-573-010393	DECAL, REMOTE TILT UNDERCARRIAGE	1
	100290	DECAL, REMOTE WINCH WINCH (DECALS NOT SHOWN) (SEE PAGE 1-101)	1

WIRED REMOTE CONTROL, TRIPLE

ITEM	PART NO.	DESCRIPTION	QTY.
1	3-209-010006	CONTROL ELECT TRIPLE FUNC. RMT	
	3-279-010037	ENCLOSURE DUAL REMOTE	1
2	3-272-010121	ELECT. CONT. OPER. 3 WAY	3
	106068	TALL RING NUT FOR BUTTON	2
3	3-272-010078	ELECTRICAL CONTACT BLOCK	3
4	106-0079	CONNECTOR 1/2 CORD T&B 2522	1
5	3-156-010043	CABLE 16AWG X 7 CONDUCTOR	50
6	59P8	TRAILER CONN PLUG	1
7	1-879-010008	WIRE BLUE 14AWG	2
8	3-573-010394	DECAL, TILT WINCH UNDERCARRIAGE	1
	3-573-010395	DECAL, TILT WINCH UNDERCARRIAGE	1
	100289	DECAL, WINCH/WINCH/TILT (DECALS NOT SHOWN) (SEE PAGE 1-101)	1



WIRELESS RADIO REMOTE CONTROL

ITEM	PART NO.	DESCRIPTION	QTY.
	3-208-010055	CONTROL (MICROTRONICS # *P-MT-STD-DF)	
	T*P-MT-STD-DF	TRANSMITTER (ITEMS 1 - 16)	1
1	H068	SCREW, #6 X 1/2" SHEET METAL	8
2	**	DECAL, FACEPLATE	1
3	P003	METAL PLATE	1
4	E007	PISTOL GRIP HOUSING	1
5	A001	ANTENNA	2
6	**	TRANSMITTER PC BOARD	1
7	H048	PLASTIC WASHER	1
8	H046	NUT, 1/4" - 28 BRASS	1
9	E007	BACK PLATE, PISTOL GRIP	1
10	E002	BATTERY COMPARTMENT	1
11	H015	BATTERY DOOR	1
12	AY102	EMERGENCY STOP SWITCH W/ HARNESS	1
13	AY103	POWER SWITCH W/ HARNESS	1
14	AY109	TOGGLE WIRING HARNESS (SWITCHES TO PC BOARD)	AR
15	S005	TOGGLE SWITCH	AR
16	H018	PISTOL GRIP HANDLE END CAP	1
	R*P-MT-STD-DF	RECEIVER (ITEMS 17 - 23)	1
17	LB004	FCC LABEL	1
18	H038	SCREW, #6	8
19	H039	WASHER, #6 STAR	8
20	E001	LID, RECEIVER	1
21	**	RECEIVER PC BOARD, 1	1
22	E001	HOUSING, RECEIVER	1
23	LB005	OUTPUT LABEL, RECEIVER	1

* 4 FOR DUAL REMOTE
6 FOR TRIPLE REMOTE
8 FOR QUAD REMOTE

** GIVE SERIAL NUMBER OF REMOTE CONTROL UNIT WHEN ORDERING REPLACEMENT PC BOARDS OR FACEPLATE DECAL.

DOCK LEVELER 40K AND 60K

ITEM	PART NO.	DESCRIPTION	QTY.				
			-01	-02	-04	-05	-08
	3-256-010003	DOCK LEVEL ASSEMBLY 660 HD S/R (ITEMS1-28)					
1	3-482-010402	MOUNT WLDMT DOCK LEVEL 660-40K	1	-	-	-	
	3-482-010472	MOUNT WLDMT DOCK LEVEL 660-60K	-	1	-	-	1
2	3-242-010204	CYL HYD3.5X15 (W/ COLLAR)(SEE PG 1-97)	2	-	2	-	-
	3-242-010205	CYL HYD4X15 (W/ COLLAR)(SEE PG 1-97)	-	2	-	2	2
3	1-654-010059-01	SCREW HEX HEAD CAP 5/8-11X1 GR5	20	24	20	24	24
4	1-861-010034-15	WASHER SPLIT LOCK 5/8	24	28	20	24	28
5	3-846-010056	VALVE DOUBLE SPOOL (SEE PAGE 1-98)	1	1	1	1	1
6	1-654-010051-05	SCREW HEX HEAD CAP 3/8-16X1 GR5	2	2	2	2	2
7	1-861-010032-11	WASHER FLAT 3/8	2	2	2	2	2
8	1-510-010001	NUT FLANGE LOCK 3/8-16 GRB	5	5	5	5	5
9	2-181-010001	CLAMP HOSE	3	3	3	3	3
10	1-397-010262-4	HOSE ASSEMBLY	2	2	2	2	2
11	3-681-010075	SHIELD D/L VALVE WLDMT	1	-	1	-	-
12	1-397-010262-3	HOSE ASSEMBLY	2	2	2	2	2
14	2062-6-4S	ADAPTER 90°	4	4	4	4	4
15	202702-6-4S	ADAPTER STR #6	6	6	6	6	6
16	1-007-010041-1	ADAPTER HYDR 45°	2	2	2	2	2
17	1-007-010058	ADAPTER 90° 3/8 ELBOW W/ RESTR	2	-	2	-	2
18	1-397-010262-5	HOSE ASSEMBLY	2	2	2	2	-
19	1-654-010055-03	SCREW HEX HEAD CAP 1/2-13X1-1/2 GR5	8	8	-	-	8
20	1-861-010032-14	WASHER FLAT 1/2N	8	8	-	-	8
21	1-512-010005-09	NUT HEX LOCK 1/2-13 GRB	8	8	-	-	8
22	3-120-010351	BRACKET BOLT ON DOCK LEVEL	1	1	1	1	1
23	3-681-010098	SHIELD D/L VALVE R22.5	-	1	-	1	1
24	1-654-010055-02	SCREW HEX HEAD CAP 1/2-13 X 1-1/4 GR5	4	4	4	4	4
25	1-861-010034-13	WASHER SPLIT LOCK 1/2	4	4	4	4	4
26	1-861-010032-15	WASHER FLAT 1/2	4	4	4	4	4
27	1-861-010032-18	WASHER FLAT 5/8	4	4	4	4	4
28	1-397-010262252	HOSE ASSEMBLY(610)					2
	3-407-010049-01	HYDRAULIC INST. 48' (ITEMS 40-61)	*	—			
	3-407-010049-02	HYDRAULIC INST. 53' (ITEMS 40-61)	—	*			
40	2062-12-12S	ADAPTER 90°	1	1			
41	1-397-010304025	HOSE ASSEMBLY	1	1			
42	3-846-010120	VALVE HYD SELECTOR 3-WAY	1	1			
	1A0768	KNOB, VALVE SELECTOR	1	1			
43	1-512-010005-03	NUT HEX LOCK 5/16-18 GRB	4	4			
44	1-861-010032-09	WASHER FLAT 5/16W	4	4			
45	1-654-010049-09	SCREW HEX HEAD CAP 5/16-1 8X2 GR5	2	2			
46	206209-12-12S	ADAPTER 90°	1	1			
47	102-1097	37 FLARE BULKHEAD/ 37 FLARE	2	2			
48	1-397-010301028	HOSE ASSEMBLY	1	1			
49	2062-8-8S	ADAPTER 90°	1	1			
50	1-626-010002	REGULATOR FLOW 1/2 BYPASS ONLY	1	1			
51	1-654-010049-11	SCREW HEX HEAD CAP 5/16-18X2-1/2	1	1			
52	1-397-010309296	HOSE ASSEMBLY 3/8X296(48 TR.)	1	—			
	1-397-010309356	HOSE ASSEMBLY 3/8X356(53 TR.)	—	1			
53	202702-8-6S	ADAPTER STRAIGHT	1	1			
54	1-397-010307296	HOSE ASSEMBLY 3/8X296(48 TR.)	1	—			
	1-397-010307356	HOSE ASSEMBLY 3/8X356(53 TR.)	—	1			
55	1-397-010306028	HOSE ASSEMBLY 1/2X28	1	1			
56	203102-12-12S	ADAPTER TEE	1	1			
57	203003-8-8S	ADAPTER TEE	1	1			
58	2062-12-8S	ADAPTER 90°	1	1			

NOTE: DASH NUMBERS ARE FOR THE FOLLOWING DOCK LEVELERS:
 -01 - 40,000# CAPACITY DOCK LEVELER FOR TRAILER WITH AIR RIDE SUSPENSION-660
 -02 - 60,000# CAPACITY DOCK LEVELER FOR TRAILER WITH AIR RIDE SUSPENSION-660
 -04 - 40,000# CAPACITY DOCK LEVELER FOR TRAILER WITH SPRING SUSPENSION-660
 -05 - 60,000# CAPACITY DOCK LEVELER FOR TRAILER WITH SPRING SUSPENSION-660
 -08 - 60,000# CAPACITY DOCK LEVELER FOR TRAILER WITH AIR RIDE SUSPENSION-610

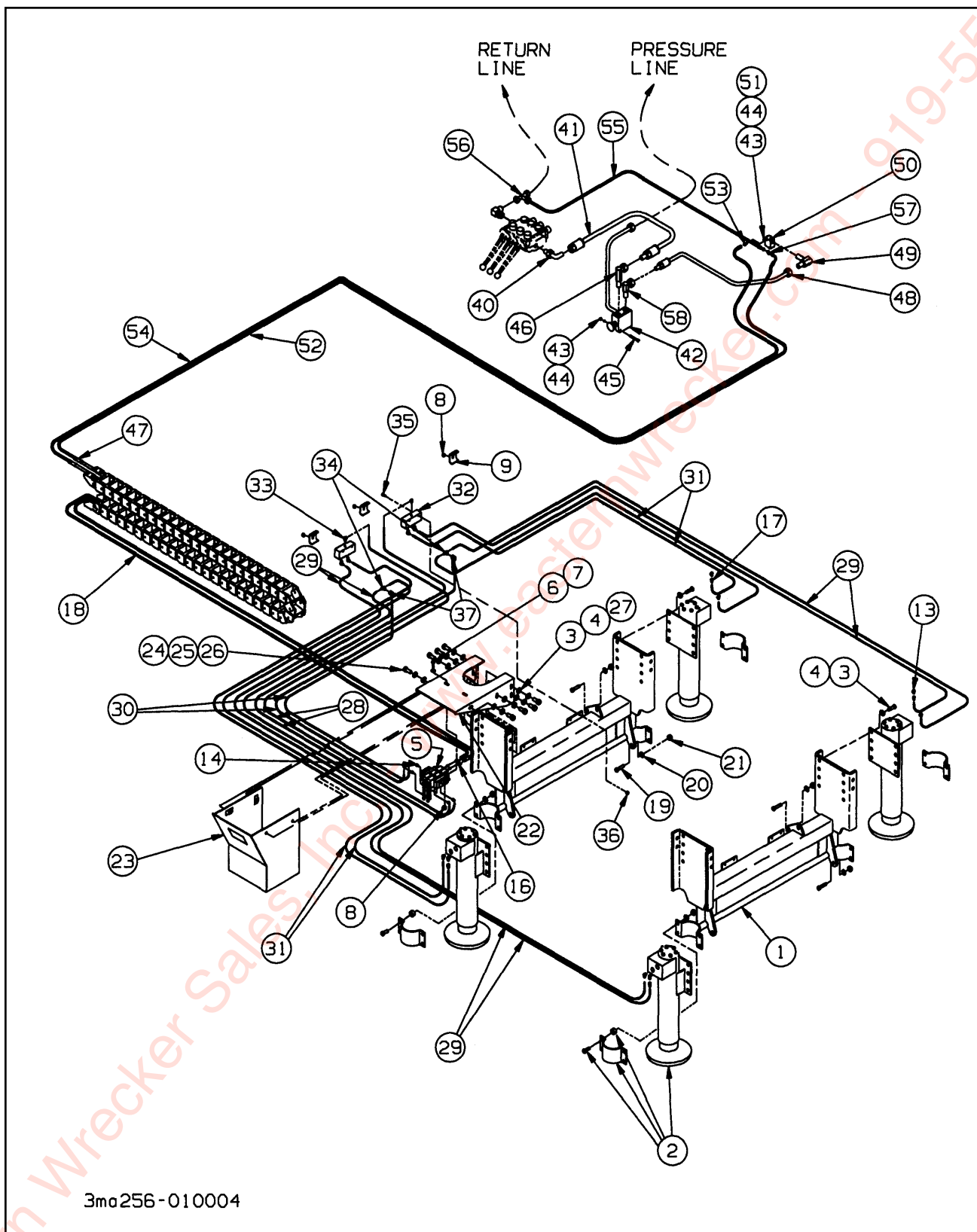


Figure 1-49 Dock Leveler, Optional Double Cylinder

DOCK LEVELER, OPTIONAL DOUBLE CYLINDER

ITEM	PART NO.	DESCRIPTION	QTY.	
			-01	-02
	3-256-010004	DOCK LEVEL ASSY 660 3AX/SPD (ITEMS 1-37)		
1	3-482-010402	MOUNT WLDMT DOCK LEVEL 660-40K	2	-
	3-482-010472	MOUNT WLDMT DOCK LEVEL 660-60K	-	2
2	3-242-010204	CYL HYD 3.5X15 (W/ COLLAR) (SEE PG 1-97)	4	-
	3-242-010205	CYL HYD 4X15 (W/ COLLAR) (SEE PG 1-97)	-	4
3	1-654-010059-01	SCREW HEX HEAD CAP 5/8-11X1 GR5	40	40
4	1-861-010034-15	WASHER, SPLIT LOCK 5/8	40	40
5	3-846-010056	VALVE DOUBLE SPOOL (SEE PAGE 1-98)	1	1
6	1-654-010051-05	SCREW HEX HEAD CAP 3/8-16X1 GR5	2	2
7	1-861-010032-11	WASHER FLAT 3/8	2	2
8	1-510-010001	NUT FLANGE LOCK 3/8-16 GRB	8	8
9	2-181-010001	CLAMP HOSE	6	6
13	2062-6-4S	ADAPTER 90	8	8
14	203005-6-4-4S	ADAPTER TEE	6	6
16	1-007-010041-1	ADAPTER HYDR 45	2	2
17	1-007-010058	ADAPTER HYD W/ RESTR	-	4
18	1-397-010262252	HOSE ASSEMBLY 1/4X216	2	2
19	1-654-010055-03	SCREW HEX HEAD CAP 1/2-13X1-1/2 GR5	16	16
20	1-861-010032-14	WASHER FLAT 1/2 N	16	16
21	1-512-010005-09	NUT HEX LOCK 1/2-13 GRB	16	16
22	3-120-010351	BRACKET BOLT ON DOCK LEVEL	1	1
23	3-681-010098	SHIELD D/L VALVE R22.5	1	1
24	1-654-010055-02	SCREW HEX HEAD CAP 1/2-13X1-1/4 GR5	4	4
25	1-861-010034-13	WASHER SPLIT LOCK 1/2	4	4
26	1-861-010032-15	WASHER FLAT 1/2	4	4
27	1-861-010032-18	WASHER FLAT 5/8	4	4
28	1-397-010262036	HOSE ASSEMBLY 1/4 X 36	2	2
29	1-397-010262102	HOSE ASSEMBLY 1/4 X 102	4	4
30	1-397-010262048	HOSE ASSEMBLY 1/4 X 48	2	2
31	1-397-010262028	HOSE ASSEMBLY 1/4 X 28	4	4
32	2V13-3-3S	FLOW DIVIDER	2	2
33	2024-6-4S	ADAPTER 90	6	6
34	2033-4-4S	ADAPTER TEE	2	2
35	1-654-010047-10	SCREW HEX HEAD CAP 1/4-20 X 2 GR5	4	4
36	1-512-010005-01	NUT HEX LOCK 1/4-20 GRB	4	4
37	1-007-010041-1	ADAPTER HYD 45	2	2
	3-407-010049-01	HYDRAULIC INST. 48' (ITEMS 40-61)	*	-
	3-407-010049-02	HYDRAULIC INST. 53' (ITEMS 40-61)	-	*
40	2062-12-12S	ADAPTER 90°	1	1
41	1-397-010304025	HOSE ASSEMBLY	1	1
42	3-846-010120	VALVE HYD SELECTOR 3-WAY	1	1
	1A0768	KNOB VALVE SELECTOR	1	1
43	1-512-010005-03	NUT HEX LOCK 5/16-18 GRB	4	4
44	1-861-010032-09	WASHER FLAT 5/16W	4	4
45	1-654-010049-09	SCREW HEX HEAD CAP 5/16-1 8X2 GR5	2	2
46	206209-12-12S	ADAPTER 90°	1	1
47	102-1097	37 FLARE BULKHEAD/ 37 FLARE	2	2
48	1-397-010301028	HOSE ASSEMBLY 1/2X28	1	1
49	2062-8-8S	ADAPTER 90°	1	1
50	1-626-010002	REGULATOR FLOW 1/2 BYPASS ONLY	1	1
51	1-654-010049-11	SCREW HEX HEAD CAP 5/16-18X2-1/2	1	1
52	1-397-010309296	HOSE ASSEMBLY 3/8X296 (48 TR.)	1	-
	1-397-010309356	HOSE ASSEMBLY 3/8X356 (53 TR.)	-	1
53	202702-8-6S	ADAPTER STRAIGHT	1	1
54	1-397-010307296	HOSE ASSEMBLY 3/8X296 (48 TR.)	1	-
	1-397-010307356	HOSE ASSEMBLY 3/8X356 (53 TR.)	-	1
55	1-397-010306028	HOSE ASSY	1	1
56	203102-12-12S	ADAPTER TEE	1	1
57	203003-8-8S	ADAPTER TEE	1	1
58	2062-12-8S	ADAPTER 90	1	1

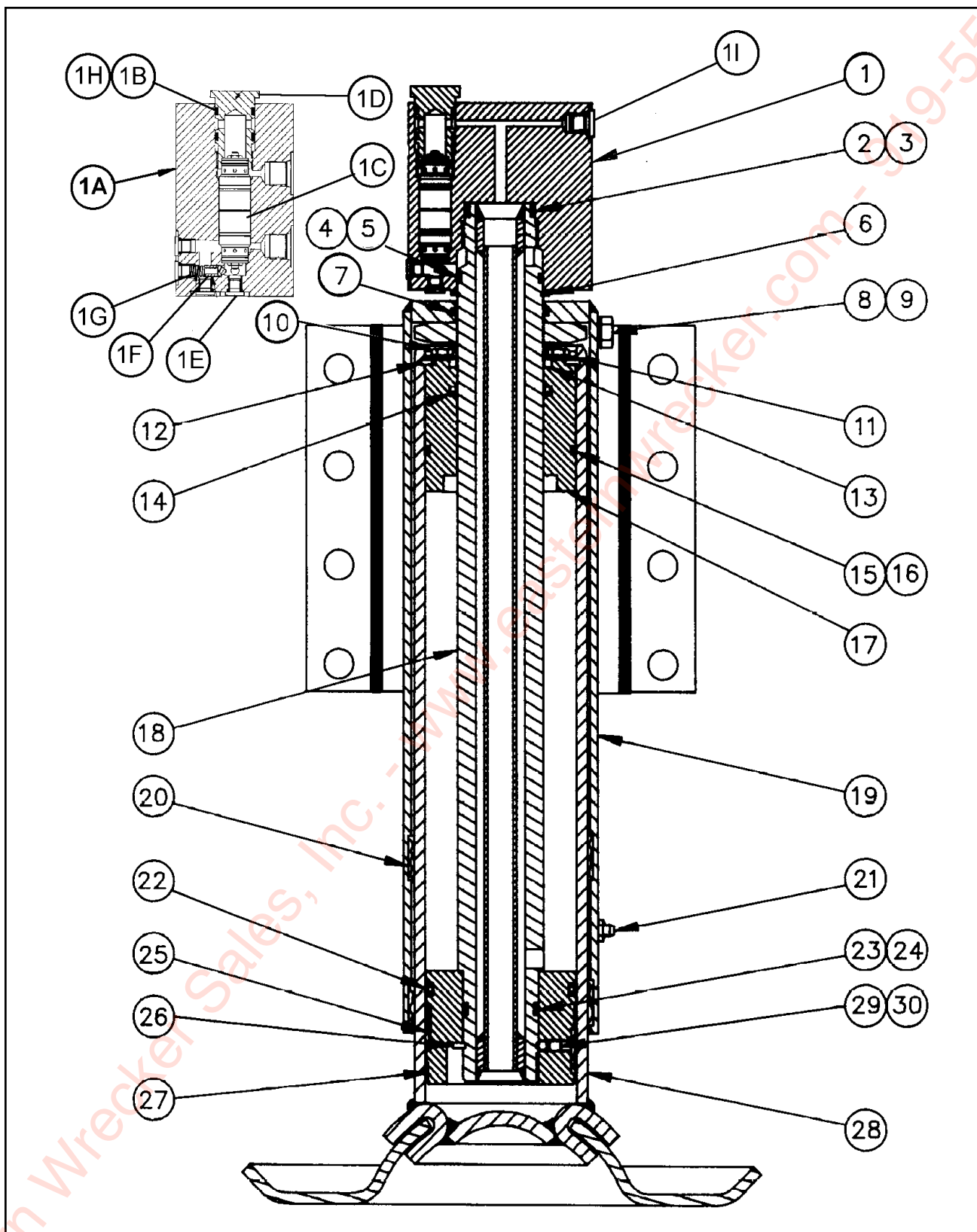


Figure 1-50 Dock Leveler Leg Assembly w/ Lock Valve

LEG ITEMS, DOCK LEVELER W/ LOCK VALVE

ITEM	PART NO.	DESCRIPTION	QTY.
	3-242-010204	COMPLETE ASSY LEG CYL(40,000# CAP. 3.50" BORE)	
	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	15-1004	SCREW HEX HEAD CAP (3-242-010204)	1
	15-1021	SCREW HEX HEAD CAP (3-242-010205)	1
9	16-1002	LOCK WASHER	1
10	15-1012	SCREW HEX HEAD CAP	4
11	100278	CYLINDER HEAD RETAINER (3-242-010204)	1
	100279	CYLINDER HEAD RETAINER (3-242-010205)	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	100216	CYLINDER HEAD (3-242-010204)	1
	100276	CYLINDER HEAD (3-242-010205)	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	100217	PISTON (3-242-010204)	1
	***	PISTON (3-242-010205)	1
28	***	CYLINDER TUBE	1
29	NSS**	NYLON BALL	1
30	NSS**	SET SCREW	1
31	100346	SPLIT COLLAR ASSY (40,000 LB.)(NOT SHOWN)	1
	100348	SPLIT COLLAR ASSY (60,000 LB.)(NOT SHOWN)	1
	100347	SPLIT COLLAR HALF (40,000 LB.)	2
	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 (NOT SOLD SEPARATELY).

** - ITEMS ARE CONTAINED IN LEG REPAIR KIT 101086 (3.50" BORE) OR LEG REPAIR KIT 100422 (4.00" BORE) (NOT SOLD SEPARATELY).

*** STATE MODEL NUMBER AND PART DESCRIPTION WHEN ORDERING.
NSS: NOT SOLD SEPARATELY.

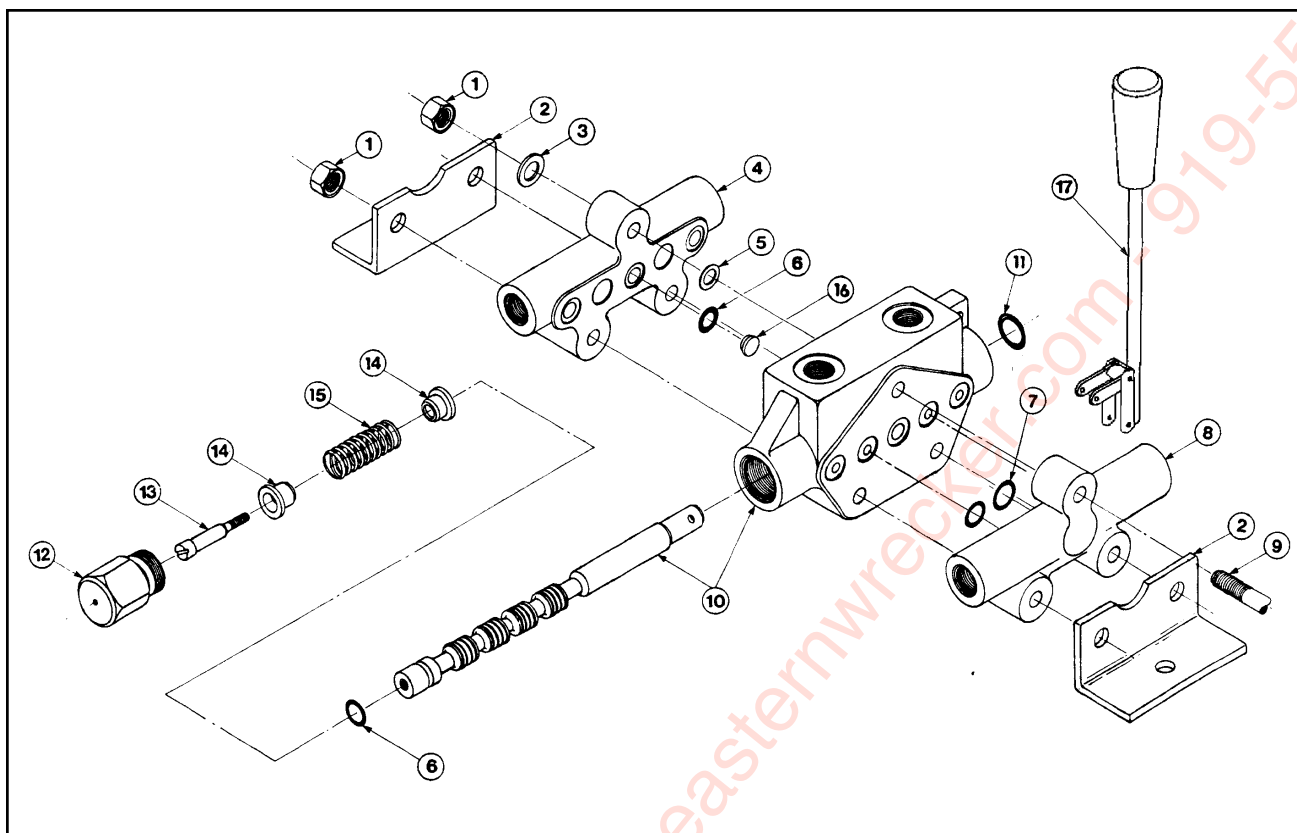
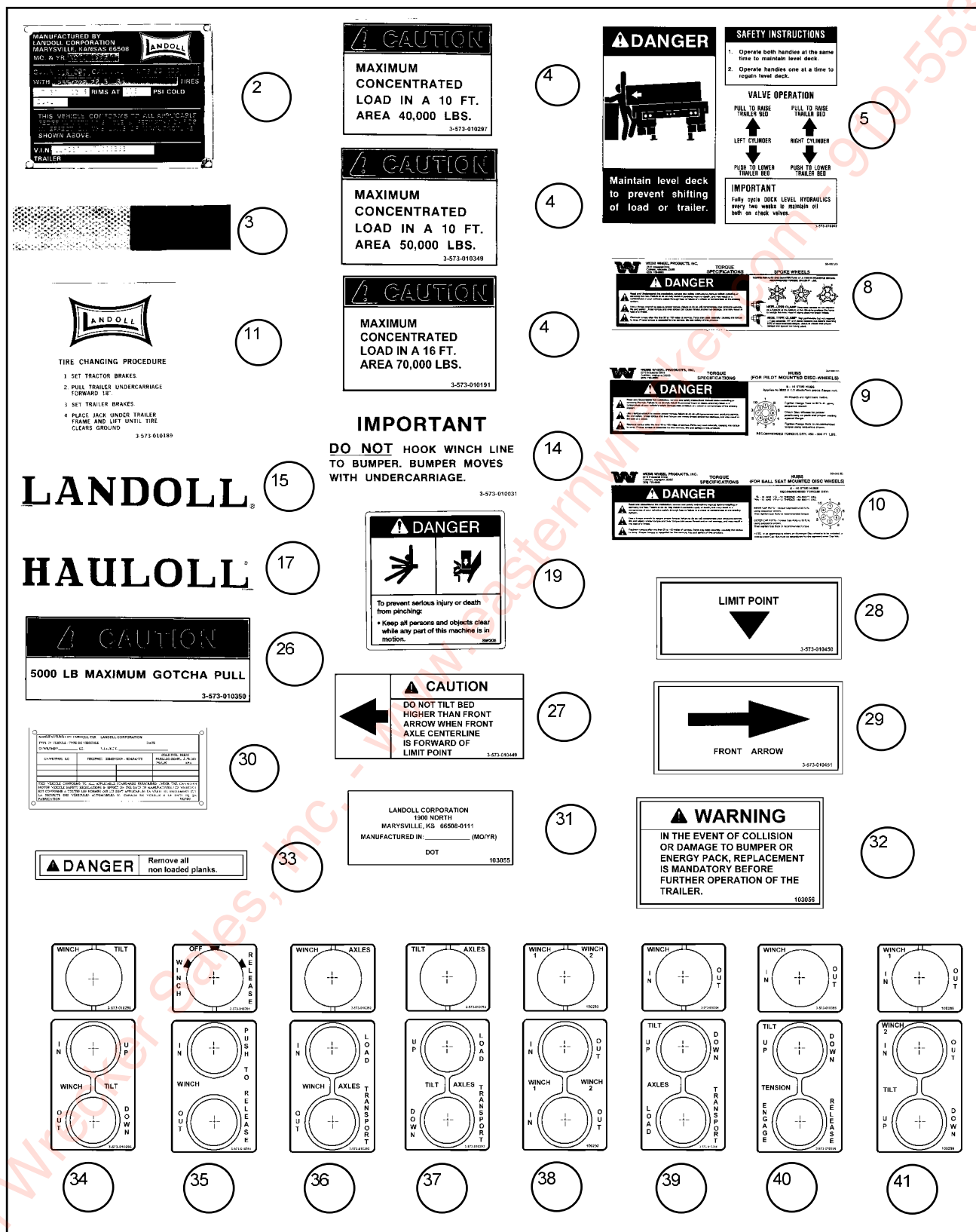


Figure 1-51 Dock Leveler Valve

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
	6405000	HANDLE KIT	2
	6404002	BANKING KIT (INCLUDES ITEMS 1, 2, 3, & 9)	2



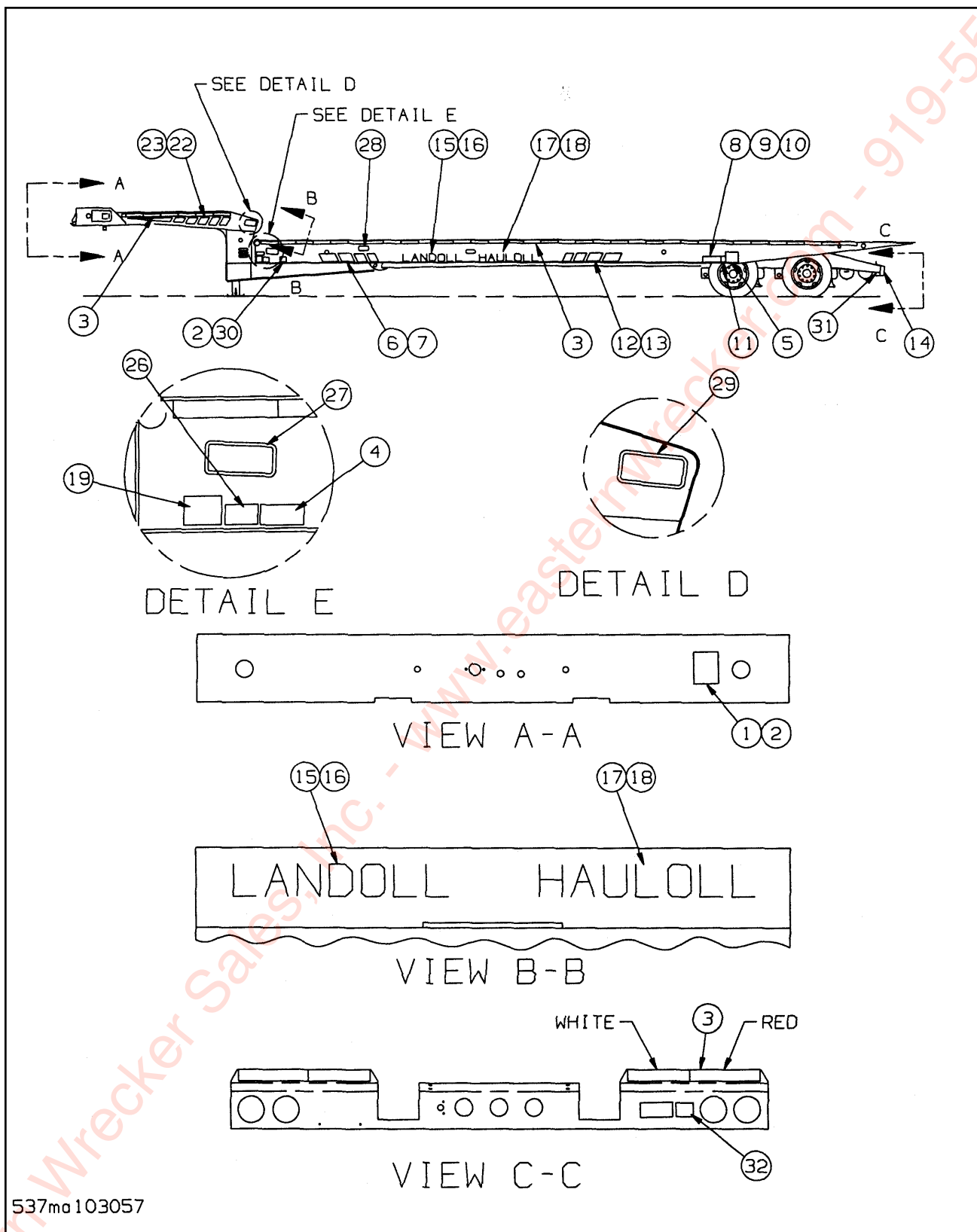


Figure 1-53 Decal Placement

DECAL INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	573-103057	DECAL PLACEMENT	
1	10036	FASTENER SERIAL NUMBER PLATE (NOT SHOWN)	4
2	3-573-010020	PLATE IDENTIFICATION	1
3	3-573-010377	DECAL 2" REFLEXITE TAPE RD/WHT (TANDEM AXLE)	AR
4	3-573-010297	DECAL CAUTION 40,000#/10FT (TANDEM AXLE)	2
	3-573-010349	DECAL CAUTION 50,000#/10FT (W/FORKLIFT PKG.)	2
	3-573-010191	DECAL CAUTION 70,000#/16FT (TRIPLE AXLE)	2
5	3-573-010202	PLACARD DANGER! DOCK LEVELER OPERATION	1
6	3-573-010040	DECAL FRONT STRIPE (LEFT BLACK)	2
7	3-573-010042	DECAL FRONT STRIPE (LEFT WHITE)	2
8	3-573-010209	DECAL TORQUE SPEC SPOKE WHEEL	2
9	3-573-010210	DECAL TORQUE SPEC 8-10 STUD HUB	2
10	3-573-010211	DECAL TORQUE SPEC 6-10 STUD HUB	2
11	3-573-010189	DECAL TIRE CHANGING PROCEDURE	1
12	3-573-010041	DECAL FRONT STRIPE (RIGHT BLACK)	2
13	3-573-010043	DECAL FRONT STRIPE (RIGHT WHITE)	2
14	3-573-010031	DECAL BUMPER	1
15	3-573-010048	DECAL LANDOLL BLACK	3
16	3-573-010049	DECAL LANDOLL WHITE	3
17	113513	DECAL 660 BLACK DC 5"	3
	113515	DECAL 610 BLACK DC 5"	
18	113512	DECAL 660 WHITE DC 5"	3
	113514	DECAL 610 WHITE DC 5"	
19	3-573-010335	DECAL DANGER PINCH	2
20	3-573-010044	DECAL TAPERED STRIPE (LEFT BLACK)(NOT SHOWN)	1
21	3-573-010046	DECAL TAPERED STRIPE (LEFT WHITE)(NOT SHOWN)	1
22	3-573-010045	DECAL TAPERED STRIPE (RIGHT BLACK)	1
23	3-573-010047	DECAL TAPERED STRIPE (RIGHT WHITE)	1
26	3-573-010350	DECAL GOTCHA PULL	2
27	3-573-010449	DECAL TILT WARNING (-610-48' ONLY)	1
28	3-573-010450	DECAL LIMIT POINT (-610-48' ONLY)	1
29	3-573-010451	DECAL ARROW (FRONT) (-610-48' ONLY)	1
30	102160	DECAL PLACARD FOREIGN MANUFACTURER	1
31	103055	DECAL ENERGY CERT.	1
32	103056	DECAL ENERGY BUMPER WARNING	1
33	101268	DECAL DANGER PLANK (SEE PG 1-11 FOR LOCATION)	REF
34	3-573-010296	DECAL, WINCH TILT	1
35	3-573-010391	DECAL, REMOTE WINCH TENSION	1
36	3-573-010392	DECAL, REMOTE WINCH UNDERCARRIAGE	1
37	3-573-010393	DECAL, REMOTE TILT UNDERCARRIAGE	1
38	100290	DECAL, REMOTE WINCH WINCH	1
39	3-573-010394	DECAL, TILT WINCH UNDERCARRIAGE	1
40	3-573-010395	DECAL, TILT WINCH UNDERCARRIAGE	1
41	100289	DECAL, WINCH/WINCH/TILT	1

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

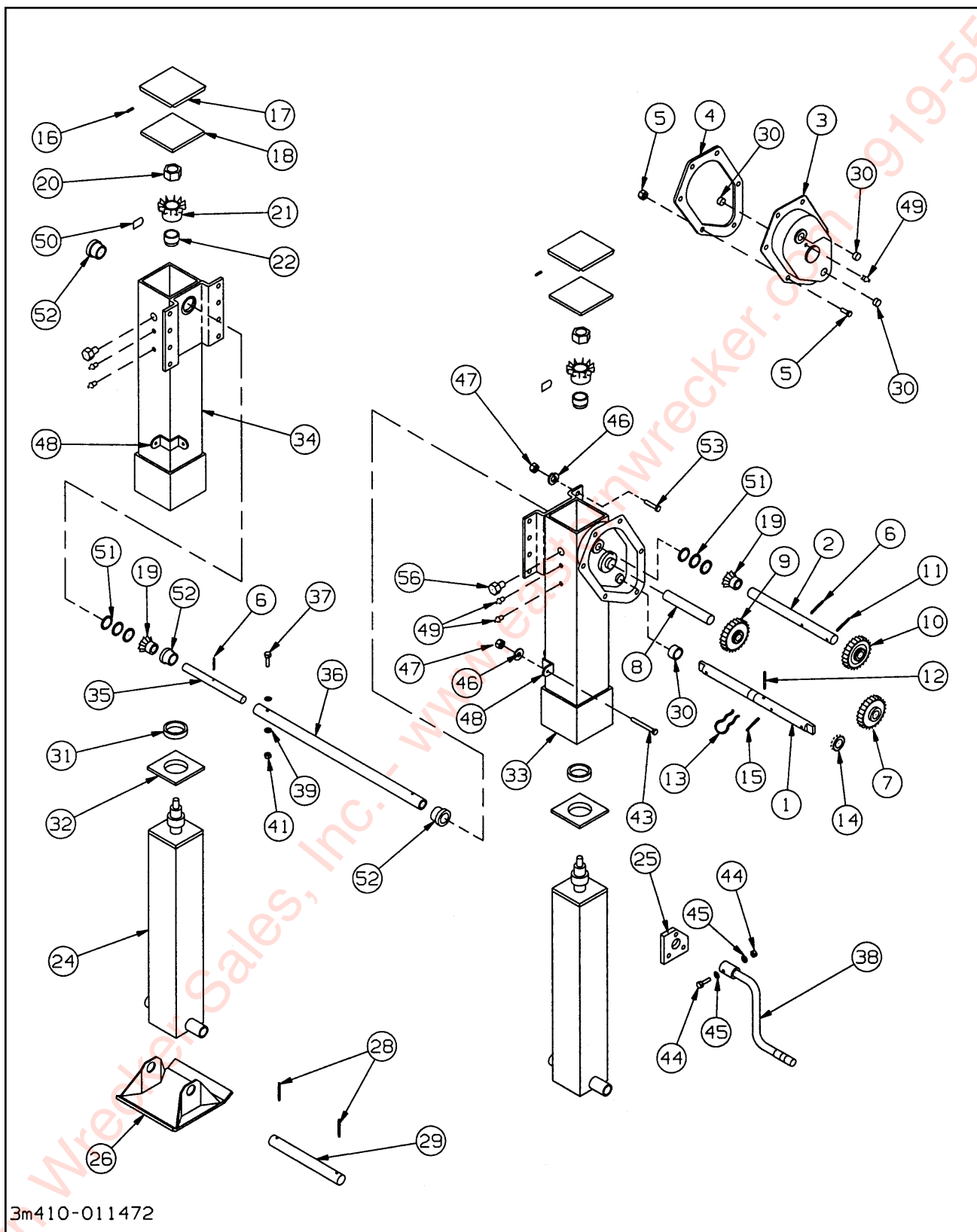


Figure 1-54 Crank Landing Gear

CRANK LANDING GEAR

ITEM	PART NO.	DESCRIPTION	QTY.
	3-725-010067	LANDING GEAR INSTALLATION-660	
1	XA-V-05159-A	DRIVE AND GEAR SHAFT	1
2	XA-V-05123-A	DRIVE GEAR SHAFT	1
3	XA-V-1920	GEARBOX COVER	1
4	XB-V-1926	GASKET	1
5	XB-3103	LOCKNUT 1/4"-28	6
	XB-CX-14-28-F-58	HEX HEAD CAP SCREW 1/4"-28X5/8"	6
6	XB-02065	GROOVE PIN	2
7	XA-V-1927	IDLER GEAR	1
8	XA-V-1957	IDLER GEAR SHAFT	1
9	XA-V-1928-1	STEP GEAR (UNDRILLED)	1
10	XA-V-1928	STEP GEAR (DRILLED)	1
11	XB-21-S-375-1500	SPIRAL PIN 3/8"X1-1/2"	1
12	XB-21-S-187-1250	SPIRAL PIN 3/16"X1-1/4"	1
13	XB-V-1949	SHIFTER SPRING	1
14	XA-V-1929	SHIFTER GEAR	1
15	XA-CRP-V-1917	PIN 3/8"X1-7/16"	1
16	XB-04112	SELF TAPPING SCREW	4
17	XA-V-03824	UPPER LEG COVER	2
18	XB-V-1966	GASKET	2
19	XA-V-04204-1	BEVEL PINION	2
20	XB-FW-25	JAM NUT 1"-14	2
21	XA-V-04205-1	BEVEL GEAR	2
22	XB-V-643-A2	BUSHING	2
24	XA-V-05356-05	INNER LEG AND SCREW ASSY.	2
25	3-352-010041	GUIDE HANDLE 660	1
26	XA-V-796-B-1	SKID FOOT 12"X11-1/2"	2
28	XB-21-S-375-3000	ROLLPIN 3/8"X3"	4
29	XA-V-1901-1	AXLE	2
30	XB-V-851	BUSHING	4
31	XB-V-647	THRUST BEARING	2
32	XA-V-1913	THRUST WASHER	2
33	XA-V-03876-05	OUTER LEG ASSY (2 SPEED).	1
34	XA-V-03875-05	OUTER LEG ASSY. (SINGLE SPEED)	1
35	XA-V-05122-A	DRIVE GEAR SHAFT	1
36	XA-V-1910-44.19	CROSS SHAFT	1
37	XB-V-444-1	HEX HEAD CAP SCREW 3/8"-16X1-3/4"	2
	XB-338	LOCKNUT 3/8"-16	2
38	3-360-010104	HANDLE CRANK MODIFICATION	1
39	3/8FW	WASHER FLAT 3/8"	3
41	3/8-16HFLN	NUT LOCK 3/8"UNC	3
42	516-22PTL	PIN MUD FLAP (NOT SHOWN)	1
43	1-512-01005-11	SCREW HEX HEAD 5/8-11X3-1/2 GR5	2
44	XB-C-38-C-214	HEX HEAD CAP SCREW 3/8"-16X2-1/4"	1
	XB-338	LOCKNUT 3/8"-16	1
45	XB-1108	SAE 3/8" WASHER	2
46	5/8FW	WASHER FLAT	2
47	1-512-010005-11	NUT LOCK 5/8-11 GRB	18
48	XA-V-1938	BRACE	2
49	XB-767	LUBE FITTING	5
50	XB-H-32-2	WOODRUFF KEY	2
51	XB-03816	SHIM	6
52	XB-0307	BEARING	3
53	5/8-11X1-1/2CS	SCREW HEX HEAD	16
56	XB-01789	LUBE PLUG	2

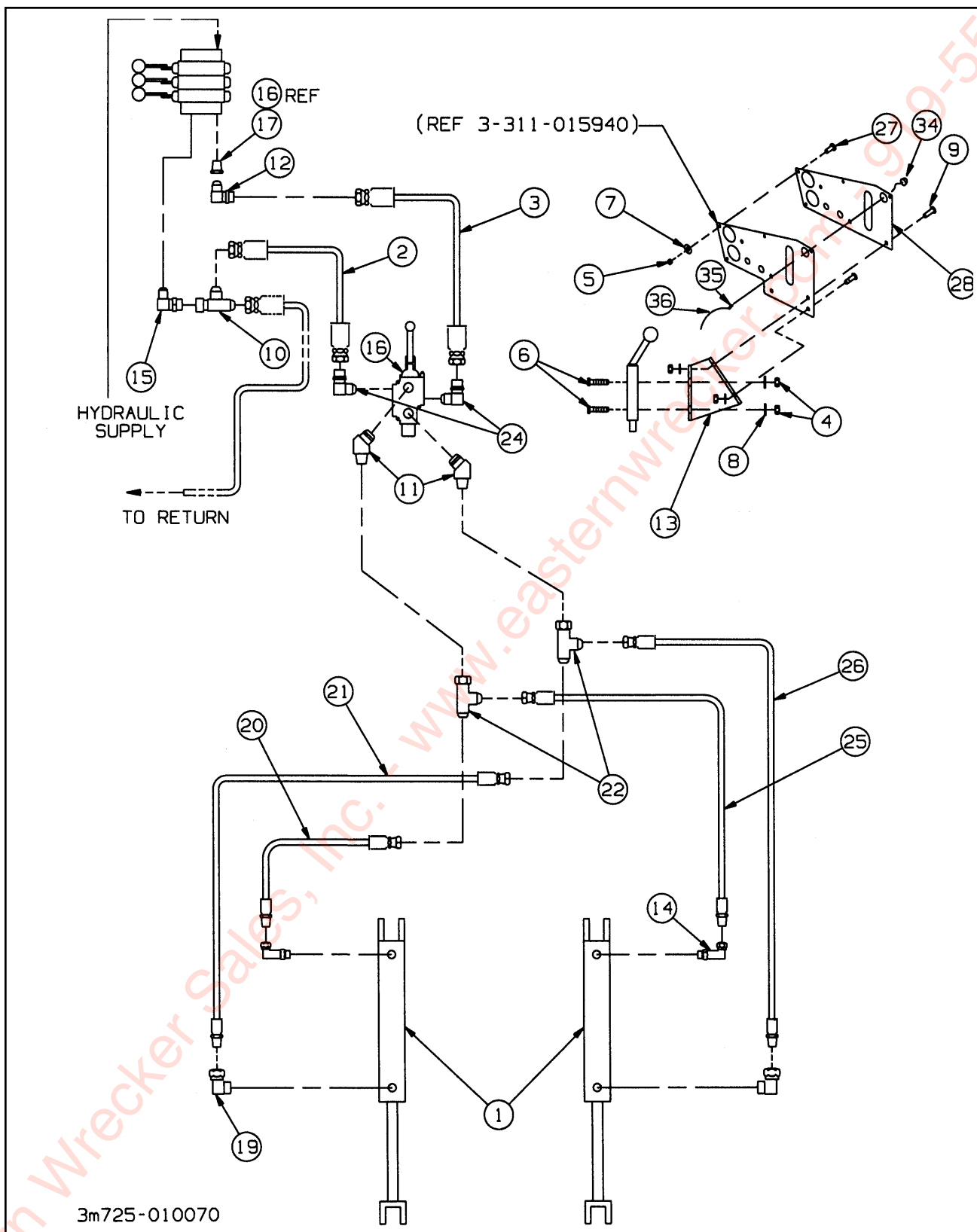
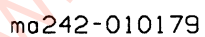


Figure 1-55 Hydraulic Landing Gear

LANDING GEAR HYDRAULIC INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
	3-725-010070-03	LANDING GEAR HYD. INST. (FOR TRLRS W/ ENGINE PKG.)	
	3-725-010070-04	LANDING GEAR HYD. INST. (FOR TRLRS W/O ENGINE PKG.)	
1	1-242-010180-02	CYLINDER 3-1/2X20 (SEE PAGE 1-)	2
2	1-397-010304031	HOSE ASSEMBLY	1
3	1-397-010304026	HOSE ASSEMBLY	1
4	1-510-010001	NUT 3/8-16 FLANGE LOCK	5,7*
5	1-512-010005-01	NUT HEX LOCK GRB 1/4-20	4*
6	1-654-010051-07	SCREW HEX CAP 3/8-16UNC X 1-1/2 GR5	3
7	1-861-010032-06	WASHER FLAT 1/4	4*
8	1-861-010043-10	WASHER FLAT SS 3/8	5,7*
9	3/8-16X1CB	SCREW, RD HEAD SQ NECK 3/8-16X1	2,4*
10	203102-12-12S	ADAPTER TEE #12 SAE37 SWIVL	1
11	2023-8-8S	ADAPTER 45° 8 MPT-8 MJIC	2
12	2062-12-12S	ADAPTER, 90 #12SAE X #12 JIC	1
13	3-482-010428	MOUNT VALVE 1-SPOOL	1
14	1-007-010008	90° UNION ADAPTER W/3/32 RESTRICTOR	2
15	206209-12-12S	ADAPTER 90	1
16	3-846-010127	VALVE HYD SGL SPOOL	1
	104592	SEAL KIT FOR SINGLE SPOOL VALVE	1
17	1V0249	FITTING, POWER BEYOND SAE#12	REF
19	1-007-010007	90° UNION ADAPTER	2
20	1-397-010361060	HOSE ASSEMBLY	1
21	1-397-010361036	HOSE ASSEMBLY	1
22	203102-8-8S	TEE 1/2 JIC	2
23	2024-12-8S	ADAPTER 90	1
24	2024-12-12S	ADAPT 90° 3/4 MPT X #12 MJIC	2
25	1-397-0101084	HOSE ASSEMBLY	1
26	1-397-010361108	HOSE ASSEMBLY	1
27	1-654-010158-1	SCREW, RD HEAD SQ NECK 1/4-20X3/4	4*
28	3-573-010396	PLACARD GAS CONTROL 660	0,1*
29	3-725-010076	PARK STAND INNER LEG (SEE PAGE 1-3)(NOT SHOWN)	REF
30	3-725-010075	PARK STAND PAD SWIVEL (SEE PAGE 1-3)(NOT SHOWN)	REF
31	3-557-010485	PIN PARK FOOT (SEE PAGE 1-3)(NOT SHOWN)	REF
32	0600-250-03000	ROLL PIN (SEE PAGE 1-3)(NOT SHOWN)	REF
33	346SL	LOCK HITCH PIN (SEE PAGE 1-3)(NOT SHOWN)	REF
34	26331	LIGHT, COURTESY	1
35	STP-147	TERMINAL, BULLET ELECTRICAL	1
36	3-368-010254	HARNESS, ADAPTER, ENG LIGHT	1

* REQUIRED FOR TRAILERS WITHOUT ENGINE PACKAGE INSTALLED ONLY.



1-106

CYLINDER 3-1/2" X 20"

ITEM	PART NO.	DESCRIPTION	QTY.
	2-242-010180-02	CYLINDER 3-1/2" X 20" (PRINCE SAE-33520)	
1	010700437	PISTON ROD	1
2	051700015	TUBE	1
3	170201241	TIEROD ASSEMBLY	4
4	141700023	BUTT	1
5	081700255	GLAND ASSEMBLY	1
6	071700174	PISTON	1
7	100000330	CLEVIS ASSEMBLY	1
8	220000210	LOCKNUT	1
9	190400004	CLEVIS PIN	2
10	220001504	COTTER PIN	4
11	200013106	PLASTIC PLUG	2
12	200300040	PORT PLUG	1
13	*240060338	CROWN SEAL	1
14	*240000022	O-RING	1
15	*240000236	O-RING	2
16	*240061236	BU-WASHER	2
17	*240020185	U-CUP	1
18	*250014137	WIPER	1
20	PMCK-SAE-33500	PACKING KIT (CONTAINS ITEMS 13 THROUGH 18)	1

* PARTS AVAILABLE IN PACKING KIT ONLY.

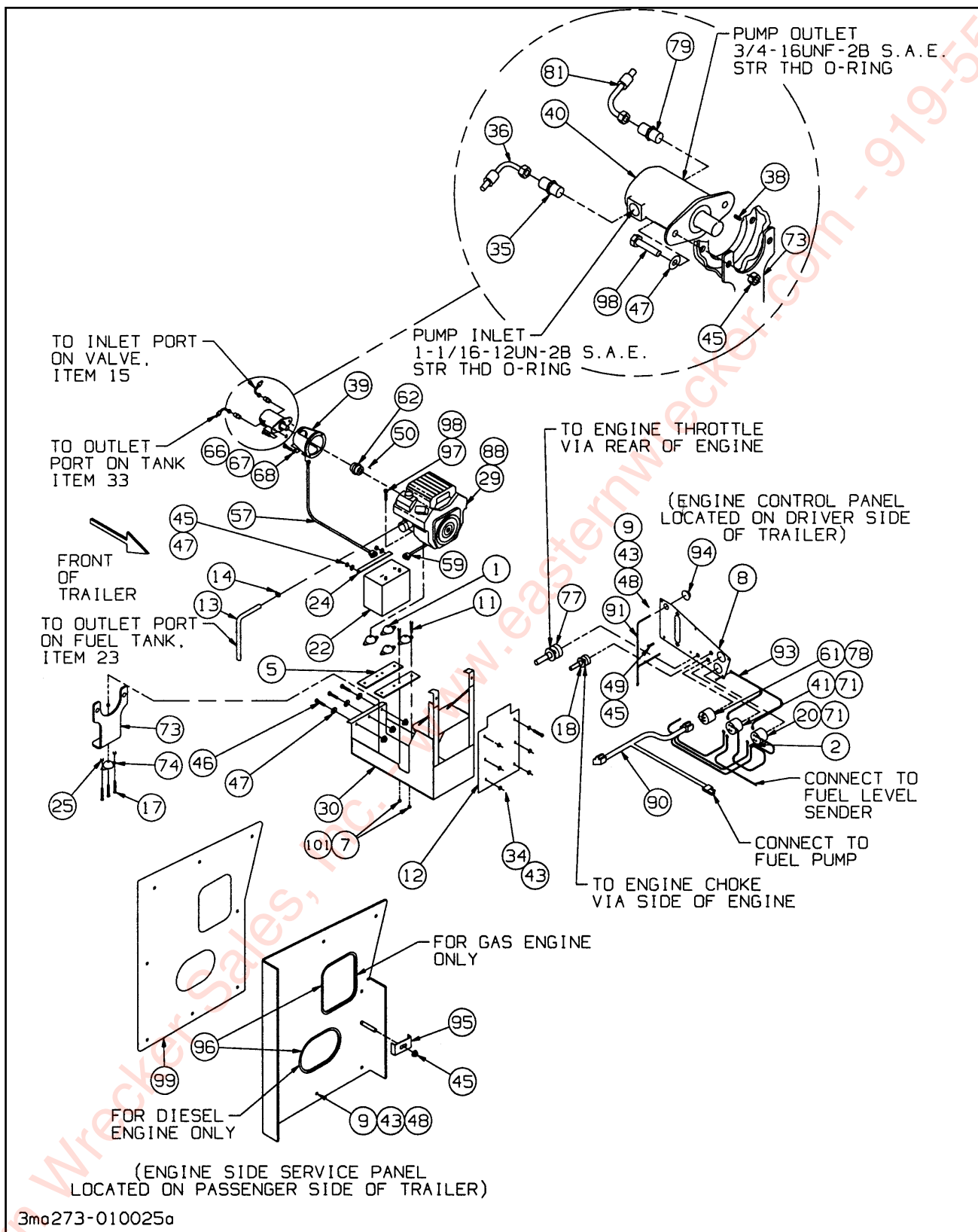


Figure 1-57 Hydraulic Engine, Standard Mount (1 of 2)

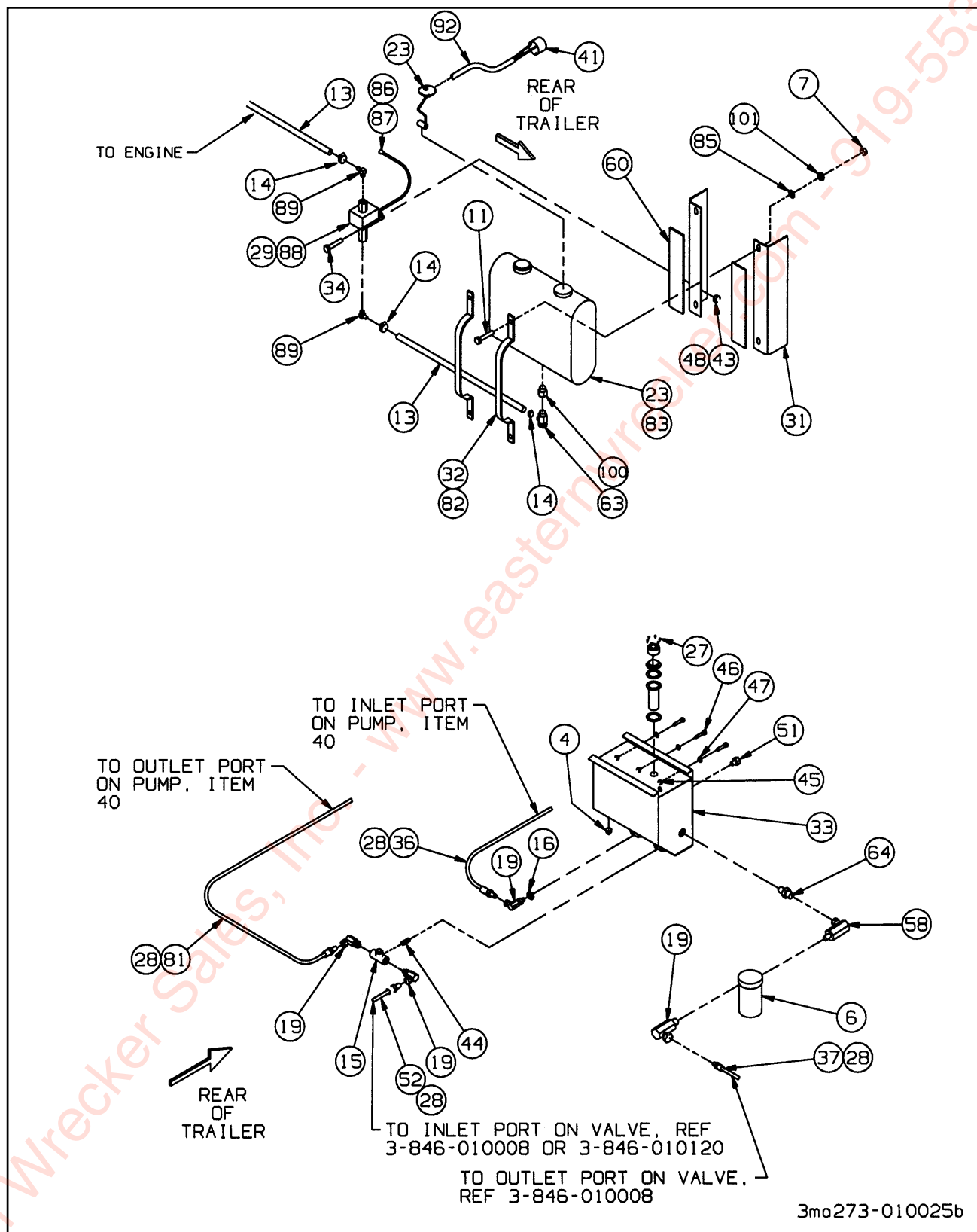


Figure 1-58 Hydraulic Engine, Standard Mount (2 of 2)

HYDRAULIC ENGINE STANDARD MOUNT

ITEM	PART NO.	DESCRIPTION	QTY.
	3-273-010025	ENGINE PACKAGE GAS 600 - COMMERCIAL	
1	3-482-010470	MACHINE MOUNT 40 DROMETER	4
2	239-3646-4	TERMINAL 14 AWG TO #10 RINGS (W/OPTIONAL GAUGE ONLY)	2
3	1-796-010003-01	TIE STRAP PLASTIC (NOT SHOWN)	10
4	1-560-010002-07	PLUG PIPE 1-1/4 SQ. HEAD	1
5	3-565-011311	PLATE ENGINE MOUNT 660-GAS	2
6	1-295-010001	FILTER RETURN LINE	1
	1-295-010002	FILTER ELEMENT	1
7	1-512-010007-06	NUT HEX 5/16-18	12
8	3-573-010396	PLACARD CONTROL KOHLER 660	1
9	1/4-20X3/4CB	SCREW HEX HEAD CAP 1/4-20X3/4 GR 2	REF
11	1-654-010049-07	SCREW HEX HEAD CAP 5/16-18X1-1/2 GR5	12
12	3-222-010157	COVER FRONT 17 HP DIESEL	1
13	104-0505	HOSE FUEL LINE	16 FT
14	105-0105	CLAMP HOSE IDEAL 6203	4
15	125130	RD12D HYD BY-PASS SRDD	1
16	1-1/4X3/4 BUSH	BUSHING PIPE	1
17	1-654-010055-01	SCREW HEX HEAD CAP 1/2-13X1GR5	3
18	3-155-010025	CABLE UTILITY CHOKE	1
19	2024-12-12S	ADAPTER 90 3/4 MPT X 3/4M	4
20	3-323-010022	GAUGE AMMETER DC 30-0-30 (W/OPTIONAL GAUGES ONLY)	1
22	2481X	BATTERY 12V	1
23	3-783-010010	TANK FUEL 5 GAL(W/OPTIONAL GAUGES ONLY)	1
24	3-120-010124	BATTERY CLAMP BRACKET	1
25	1-512-010005-09	NUT HEX LOCK 1/2-13 GR8	3
27	3-162-010001	FILLER BREATHER STRAINER ASSEMBLY	1
28	3-201-010002	CONDUIT FLEX PLASTIC 3/8	1
29	*3-273-010020	ENGINE KOHLER CH22ACLD GAS (22 HP ENGINE PACKAGE)	1
30	3-482-010462	MOUNT KOHLER 22HP WELDMENT	1
31	3-482-010531	MOUNT FUEL TANK 5 GAL	REF
32	3-482-010524	MOUNT BOLT ON STRAP FUEL TANK (W/OPT GAUGES ONLY)	2
33	3-786-010071	TANK HYD WELDMENT 660	1
34	1-654-010047-06	SCREW HEX HEAD CAP SP 1/4-20 X 1 GR5	8
35	202702-12-12S	ADAPTER #12 BOSS TO #12 TUBE	1
36	1-397-010305125	HOSE ASSEMBLY 3/4	1
37	1-397-010305102	HOSE ASSEMBLY 3/4	1
38	110-4333	KEY 3/16 X 1 LG PUMP SHAFT	1
39	3-482-010420	MOUNT HYD PUMP 17HP DEUTZ	1
40	3-591-010022	PUMP HYDR .77 CID-GEAR	1
41	1709AS911-01	GAUGE FUEL LEVEL(W/OPTIONAL GAUGES ONLY)	1
43	1-861-010034-09	WASHER SPLIT LOCK 1/4	8
44	3/4NIPPLE	NIPPLE ALL THREAD	1
45	1-510-010001	NUT FLANGE LOCK 3/8-16	18
46	1-654-010051-06	SCREW HEX HEAD CAP 3/8-16 X 1-1/4 GR5	11
47	1-861-010032-11	WASHER FLAT 3/8	13
48	1-512-010007-05	NUT HEX 1/4-20	2

HYDRAULIC ENGINE STANDARD MOUNT

ITEM	PART NO.	DESCRIPTION	QTY.
49	3/8-16X1CB	SCREW RD HEAD SQ NECK 3/8-16X1 GR5	2
50	110-4349	KEY SQUARE 3/8 X 3/8 X 2-1/2 LG ST	1
51	1-560-010002-04	PLUG PIPE 1/2	1
52	1-397-010372088	HOSE ASSEMBLY 1/2	1
57	239-8113-48	CABLE ASSEMBLY BATTERY NEG	1
58	2047-12-12S	ELBOW 3/4FPT 3/4MPT 90 SWIVEL	1
59	514-9045-36	CABLE ASSEMBLY BATTERY POSITIVE	1
60	238-9942	TAPE INSULATION	2FT
61	**3-765-010050	IGNITION SWITCH KOHLER MH22	REF
62	3-220-010002	COUPLING FLEXIBLE 1-7/16X3/4	1
63	6600	VALVE SHUT-OFF GAS WEATHERHEAD	1
64	100200	ADAPTER HYD NIPPLE	1
66	1-861-010053-07	SCREW HEX HEAD CAP GR5	4
67	1-861-010034-12	WASHER SPLIT LOCK 7/16	4
68	1-861-010032-13	WASHER FLAT	4
71	514-3085-10	LIGHTING KIT	REF
73	3-755-010211	SUPPORT ENGINE GAS 660	1
74	CA-1595	MACHINE MOUNT 50 DROMETER	1
77	3-155-010012	CABLE THROTTLE	1
78	1-861-010032-15	WASHER FLAT 1/2	1
79	2062-8-8S	ADAPTER 90 #8 BOSS X #12 TUBE	1
81	1-397-010306127	HOSE ASSEMBLY 1/2	1
82	3-744-010046	STRAP 3 GAL FUEL TANK(W/O OPTIONAL GAUGES)	2
83	3-783-010013	TANK FUEL 3 GAL(W/O OPTIONAL GAUGES)	1
85	1-861-010032-09	WASHER FLAT 5/16	4
86	STP-164	BULLET CONNECTOR FEMALE (W/OPTIONAL GAUGES)	1
87	STP-147	TERMINAL BULLET ELECTRICAL(W/OPTIONAL GAUGES)	2
88	*3-273-010028-01	ENGINE KOHLER CH25 GAS (25 HP ENGINE PACKAGE)	1
89	1-297-010034-01	FITTING BRASS 90	2
90	3-368-010231	HARNESS ASSEMBLY ENG IGN UNDER MT 600	1
91	3-368-010254	HARNESS ADAPTER ASSEMBLY ENG LIGHT PKG	1
92	3-368-010255	HARNESS ASSEMBLY ENG FUEL SDR600 (W/OPT GAUGES)	1
93	3-368-010259	HARNESS ENGINE INST GRD-600 (W/OPTIONAL GAUGES)	1
94	26331	LIGHT PANEL	1
95	2-181-010001	HOSE CLAMP	1
96	1-822-010002	TRIM LOK 3/16	2
97	1-654-010051-07	SCREW HEX HEAD CAP 3/8-16 X 1-1/2 GR5	1
98	1-654-010051-08	SCREW HEX HEAD CAP 3/8-16 X 1-3/4 GR 5	5
99	3-547-010036	PANEL TRIM 600 - GAS ENGINE	1
100	1-562-010001-09	BUSHING PIPE 1/4 X 1/8 (W/OPTIONAL GAUGES)	1
101	1-861-010034-10	WASHER SPLIT LOCK 5/16	8

* PARTS BREAKDOWN FOR P/N 3-273-010020 AND 3-273-010028-01 AS SHOWN BELOW:

24 786 07	MUFFLER - PEPPERPOT	1
25 559 01	FUEL PUMP ELECTRIC	1
**3-765-010050	SWITCH, IGNITION CH (25 099 04)	1

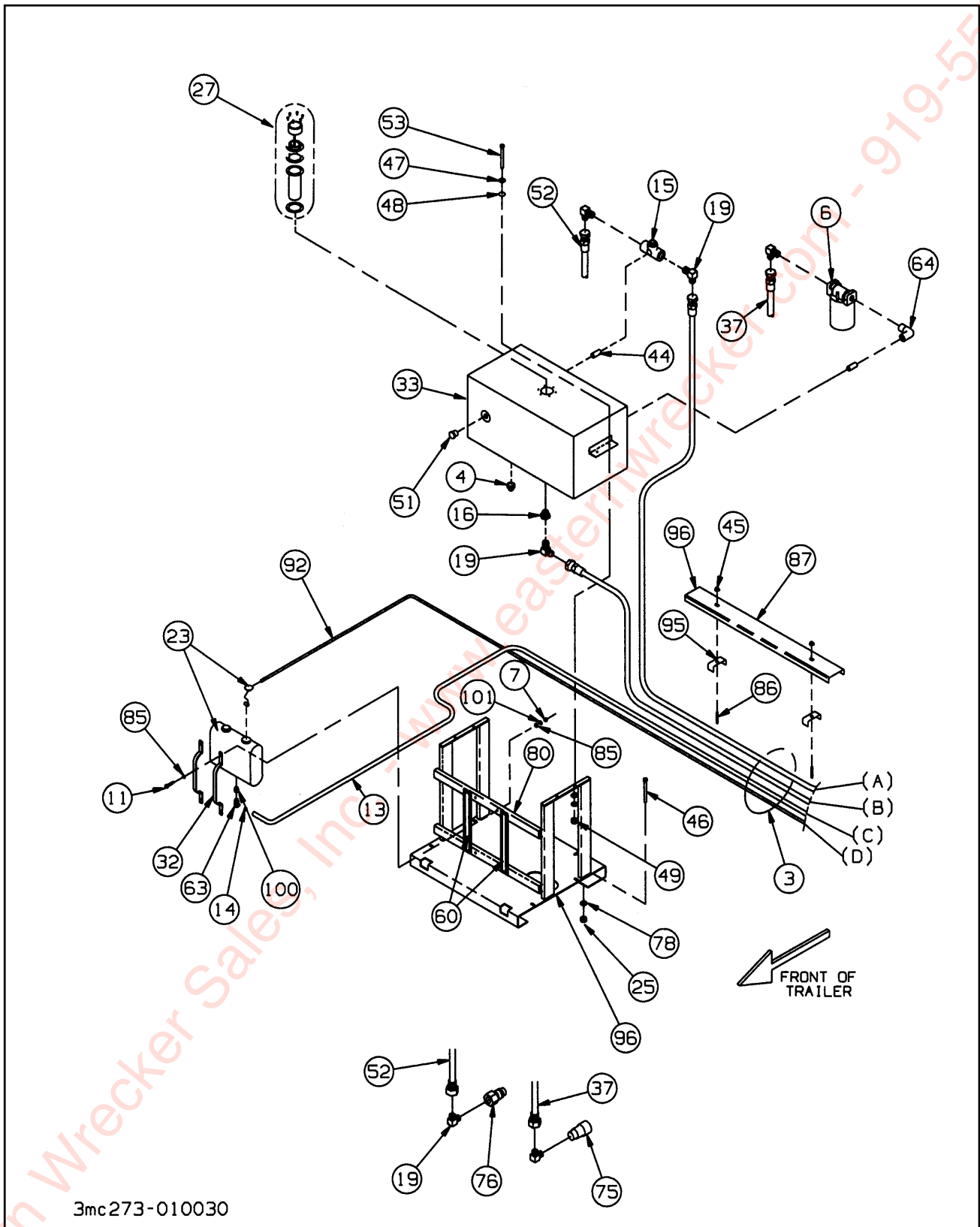


Figure 1-59 Hydraulic Engine, Split Mount (1 of 2)

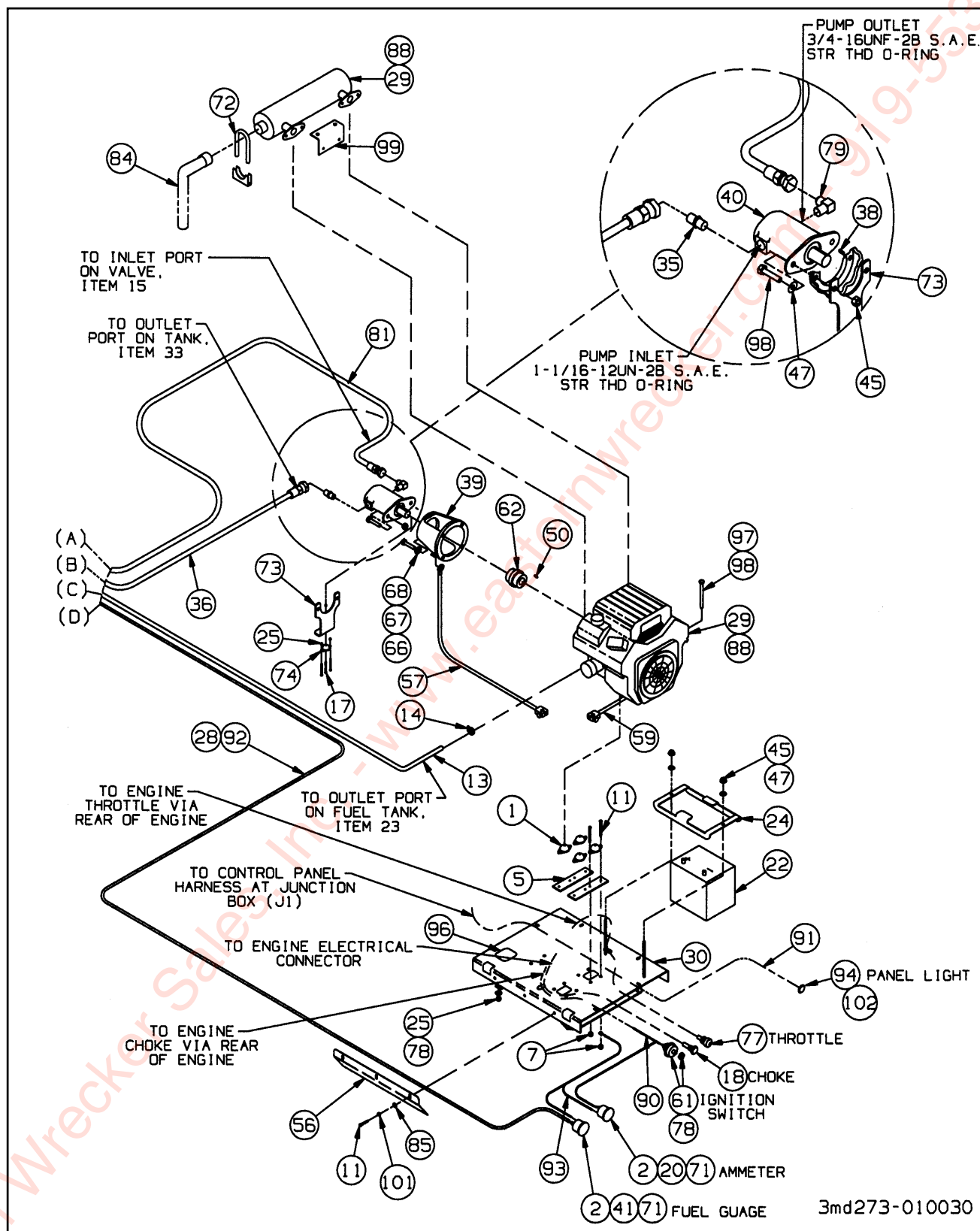


Figure 1-60 Hydraulic Engine, Split Mount (2 of 2)

HYDRAULIC ENGINE SPLIT MOUNT

ITEM	PART NO.	DESCRIPTION	QTY.
	3-273-010030	ENGINE PACKAGE 610 SPLIT MT	
1	3-482-010470	MACHINE MOUNT 40 DROMETER	4
2	239-3646-4	RING TERMINAL 14 AWG X #10 RING	2
3	1-796-010003-02	TYTON STRAP (NOT SHOWN)	A/R
4	1-560-010002-05	PLUG PIPE 3/4 NPT	1
5	3-565-011311	PLATE ENG MOUNT	2
6	1-295-010001	FILTER RETURN LINE	1
	1-295-010002	FILTER ELEMENT	1
7	1-512-010007-06	NUT 5/16 - 18 GRB	15
11	1-654-010049-06	SCREW HEX HEAD CAP 5/16-18 X 1-1/4 GR5	15
12	3-274-010032	ENG COVER ASSEMBLY - 610 SPLIT MOUNT(NOT SHOWN)	REF
13	104-0505-108	HOSE FUEL LINE 1/4 ID X 108	1
14	105-0105	CLAMP HOSE IDEAL 6203	2
15	125130	RD12D HYD BY PASS SRDD	1
16	1-1/4 X 3/4 BUSH	BLACK PIPE BUSHING	1
17	1-654-010055-01	SCREW HEX HEAD CAP 1/2-13 X 1 GR5	3
18	3-155-010025	CABLE UTILITY CHOKE	1
19	2024-12-12S	ADAPTER OP 3/4 X 1/2 JIC	6
20	3-323-010022	GAUGE AMMETER DC 30-0-30	1
22	2481X	BATTERY 12 VOLT	1
23	3-783-010010	TANK FUEL 5 GAL	1
24	3-120-010471	BRACKET BATTERY CLAMP	1
25	1-512-010005-09	NUT HEX LOCK 1/2-13 GRB	11
27	3-162-010001	FILLER BREATHER STRAINER ASSEMBLY	1
28	3-201-010002	CONDUIT PLASTIC FLEX 3/8	5
29	3-273-010020-02	ENGINE KOHLER CH22 (22 HP ENGINE PACKAGE)	1
30	3-482-010529	MOUNT SPLIT POWER CENTER ENG	1
32	3-482-010524	MOUNT BOLT ON STRAP FUEL TANK, 5 GAL	2
33	3-786-010074	TANK HYD WELDMENT	1
35	202702-12-12S	ADAPTER #12 BOSS TO #12 TUBE	1
36	1-397-010305072	HOSE ASSEMBLY 1/2 X 72	1
37	1-397-010304060	HOSE ASSEMBLY 3/4 X 60	1
38	110-4333	KEY 3/16 X 1 LG PUMP SHAFT	REF
39	3-482-010420	MOUNT HYD PUMP 17 HP DSL	1
40	3-591-010022	PUMP HYDR .77 CID - GEAR	1
41	1709AS911-01	GAUGE FUEL LEVEL	1
44	3/4 NIPPLE	NIPPLE ALL THREAD	2
45	1-510-010001	NUT FLANGE LOCK 3/8-16	6
46	1-654-010055-03	SCREW HEX HEAD CAP 1/2-13 X 1-1/2 GR5	8
47	1-861-010032-10	WASHER FLAT 3/8N	10
48	805-2	BUSHING, STEP	8
49	1-512-010005-05	NUT HEX LOCK 3/8-16 GRB	4
50	110-4349	KEY SQ 3/8 X 3/8 X 2-1/2 LG ST	1
51	1-560-010002-04	PLUG PIPE BLACK 1/2	1
52	1-397-010372072	HOSE ASSEMBLY 1/2 X 72	1
53	1-654-010051-09	SCREW HEX HEAD CAP 3/8-16 X 2 GR5	4
56	3-681-010124	SHIELD, SPLIT ENG PACKAGE	1
57	239-8113-36	CABLE, BATTERY NEG 36"	1
59	514-9045-36	CABLE, BATTERY POS 36"	1

HYDRAULIC ENGINE SPLIT MOUNT

ITEM	PART NO.	DESCRIPTION	QTY.
60	238-9942	TAPE, INSULATION	2
61	3-765-010050	IGNITION SWITCH, KOHLER CH22	REF
62	3-220-010002	FLEXIBLE COUPLING 1-7/16 X 3/4	1
63	6600	VALVE SHUT-OFF GAS	1
64	3/4 ST EL	PIPE FITTING 3/4 STREET ELBOW	1
66	1-654-010053-05	SCREW, HEX HEAD CAP 7/16-14 X 1-1/2 GR5	4
67	1-861-010034-12	WASHER SPLIT LOCK 7/16	4
68	1-861-010032-12	WASHER FLAT 7/16	4
71	514-3085-10	LIGHTING KIT	REF
72	3-181-010038	CLAMP MUFFLER	1
73	3-755-010211	SUPPORT, ENGINE GAS	1
74	CA-1595	MACHINE MOUNT 50 DUROMETER	1
75	S25F-6	COUPLER, FEMALE HALF	1
		(NOT USED W/ ENGINE PKG.)(BEFORE 7/98)	
	105480	COUPLER, FLAT FACE FEMALE (AFTER 7/98)	1
	105482	COUPLER, DUST CAP FEMALE	1
76	S21F-6	COUPLER, MALE HALF	1
		(NOT USED W/ ENGINE PACKAGE) (BEFORE 7/98)	
	105479	COUPLER, FLAT FACE MALE (AFTER 7/98)	1
	105481	COUPLER, DUST CAP MALE	1
77	3-155-010012	CABLE THROTTLE	1
78	1-861-010032-15	WASHER FLAT 1/2 W	9
79	2062-8-8S	ADAPTER 90	1
80	3-482-010528	MOUNT SPLIT POWER CENTER TANKS	1
81	1-397-010306090	HOSE ASSEMBLY 1/2 X 90	1
84	3-276-010693	EXTENSION, EXH 317A 20HP SLOPE	1
85	1-861-010032-09	WASHER FLAT 5/16W	19
86	101-017-186	STUD WELD 3/8-16 X 1-1/2	2
87	3-848-010049	GUARD SPLIT ENG LINES 600	1
88	3-273-010028-02	ENGINE KOHLER CH25 W/C/P X 1-1/4 SHAFT (25 HP ENG PKG)	1
90	3-368-010230	HARNESS ASSEMBLY ENG IGN SPLIT DECK	1
91	3-368-010288	HARNESS ASSEMBLY SPLIT ENG LT	1
92	3-368-010264	HARNESS ASSEMBLY SPLIT ENG FUEL SDR	1
93	3-368-010259	HARNESS ASSEMBLY INST GRD	1
94	26331	PANEL, LIGHT	1
95	2-181-010001	HOSE CLAMP	2
96	1-822-010002	TRIM LOCK 3/16	3
97	1-654-010051-07	SCREW HEX HEAD CAP 3/8-16 X 1-1/2 GR5	1
98	1-654-010051-08	SCREW HEX HEAD CAP 3/8-16 X 1-3/4 GR5	5
99	3-482-010537	MOUNT, EXHAUST CH25 KOHLER(25 HP ENG PKG)	1
100	1-562-010001-09	PIPE BUSHING HEX BRASS 1/4 X 1/8	1
101	1-861-010034-10	WASHER LOCK 5/16	15
102	STP-147	TERMINAL, BULLET ELECTRICAL	1

* PARTS BREAKDOWN FOR P/N 3-273-010020-02 AND 3-273-010028-02 AS SHOWN BELOW:

24 786 11	EXHAUST KIT, CANISTER	1
**3-765-010050	SWITCH, IGNITION CH (25 099 04)	1

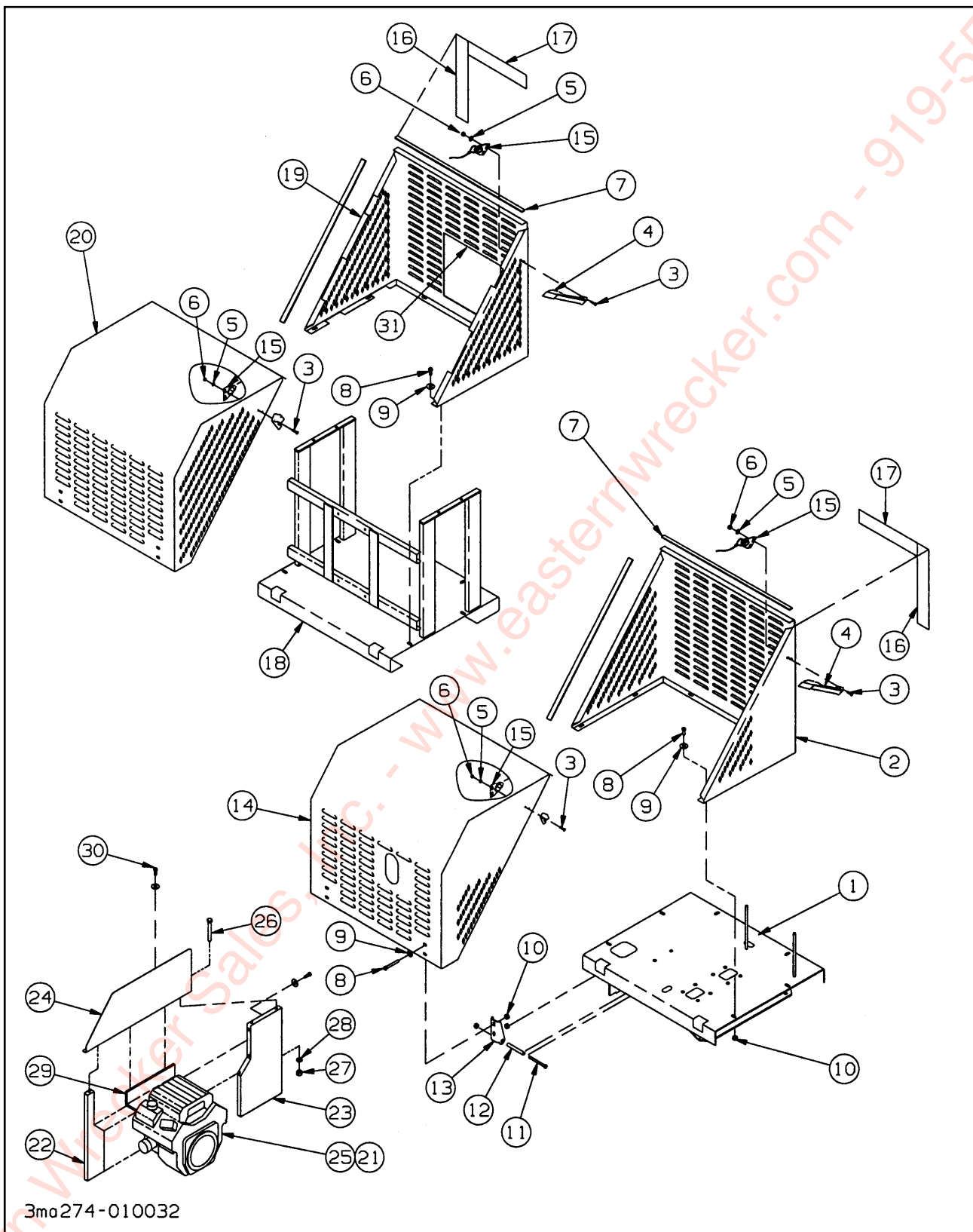


Figure 1-61 Engine Cover, Split Mount

ENGINE COVER, SPLIT MOUNT

ITEM	PART NO.	DESCRIPTION	QTY.
	3-274-010032	ENGINE COVER ASSEMBLY	
1	3-482-010529	MOUNT WELDMENT, ENGINE	REF
2	3-222-010178	COVER BACK SPLIT MOUNT ENG COVER	1
3	110-0116	SCREW ROUND HEAD CAP 10-24X3/4	16
4	3-443-010018	LATCH FLEXIBLE DRAW LEVER ASSIST	4
5	110-0253	WASHER FLAT 3/16	16
6	1-512-010004-03	NUT HEX LOCK #10-24 GRA	16
7	1-659-010011032	SEAL 32 IN NEOPRENE SPONGE	6
8	1-654-010051-06	SCREW HEX HEAD CAP 3/8-16X1-1/4 GR5	20
9	1-861-010032-11	WASHER FLAT 3/8	20
10	1-510-010001	NUT FLANGE LOCK 3/8-16	24
11	3/8-16X5-1/2CS	SCREW HEX HEAD CAP 3/8-16X5-1/2 GR5	4
12	3-831-010158	TUBE PIVOT HINGE BRACKET	4
13	3-120-010284	BRACKET HINGE	4
14	3-222-010177	COVER WELDMENT SPLIT MOUNT POWER CENTER	1
15	3-744-010041	STRAP ASSY ENGINE PACKAGE COVER	4
16	3-573-010378012	DECAL REFLEXITE WHITE	2
17	3-573-010378010	DECAL REFLEXITE WHITE	2
18	3-482-010528	MOUNT SPLIT POWER CENTER TANKS	REF
19	3-222-010192	COVER BACK SPLIT POWER CENTER -HYD TANK	1
20	3-222-010193	COVER WELDMENT FRONT 610 POWER CENTER-TANK	1
21	3-273-010028-02	ENGINE KOHLER 25 HP GAS	REF
22	3-045-010009	BAFFLE LH 600 KOHLER	1
23	3-045-010010	BAFFLE RH 600 KOHLER	1
24	3-045-010011	BAFFLE TOP 600 KOHLER SPLIT PACKAGE	1
25	3-273-010020-02	ENGINE KOHLER 22 HP GAS	REF
26	1-654-010047-03	SCREW HEX HEAD CAP 1/4-20 X 5/8 GR5	3
27	1-512-010007-05	NUT HEX 1/4-20	3
28	1-861-010034-09	WASHER SPLIT LOCK 1/4	12
29	3-681-010118	SHIELD DUCT KIT KOHLER CH25	1
30	1-654-010159-04	SCREW, HEX HEAD CAP M6-1 X 22	9
31	1-659-010013	SEAL, NEOPRENE SPONGE (NOT SHOWN)	39

NUMERICAL INDEX

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0002-12	33	042000229	19	100217	97
001-08	30	046-092-00	42	100276	97
005-073-00	42	046-096-00	42	100278	97
005-074-00	43	046-097-00	42	100279	97
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005-097-00	43	051700015	107	100290	89
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021-038-01(4009)	58	069-019-00	42	10078	67
021-038-01(4009)	59	069-020-00	43	10078	70
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034-057-07	43	071-124-00(3067)	59	100949	49
034-058-01	43	071-124-00(3067)	61	100949	51
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034-188-03	43	0714-00	33	101012	98
034-188-09	43	071700174	107	101013	98
034-189-00	43	071900314	19	101-017-186	115
034-189-03	43	072300150	20	101-017-186	15
034-189-09	43	072300225	19	101062	11
034-192-05	43	0741-01	33	101112	98
034-192-08	43	081300027	17	101129-1	97
034-193-05	43	081700255	107	101143	30
034-193-08	43	081900277	19	101143	36
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101420	57	102796	36	104923	36
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101702	33	103055	101	105-0105	114
101702	42	103056	101	10525	78
101712	30	103082	37	105357	42
101712	36	103082	39	105358	42
101845	57	103084	37	105359	42
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101848	57	103246	58	105479	115
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102190	61	103815	47	105824	36
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102364	36	103826	30	107082	59
102659	36	103860	51	107083	58
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102703	36	10404	28	110-0253	117
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102705	36	104045	37	11011	67
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11133	67	1-1/4X3/4BUSH	114	1-297-010008-01	86
11142	67	1-1/4STELL	23	1-297-010008-05	39
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