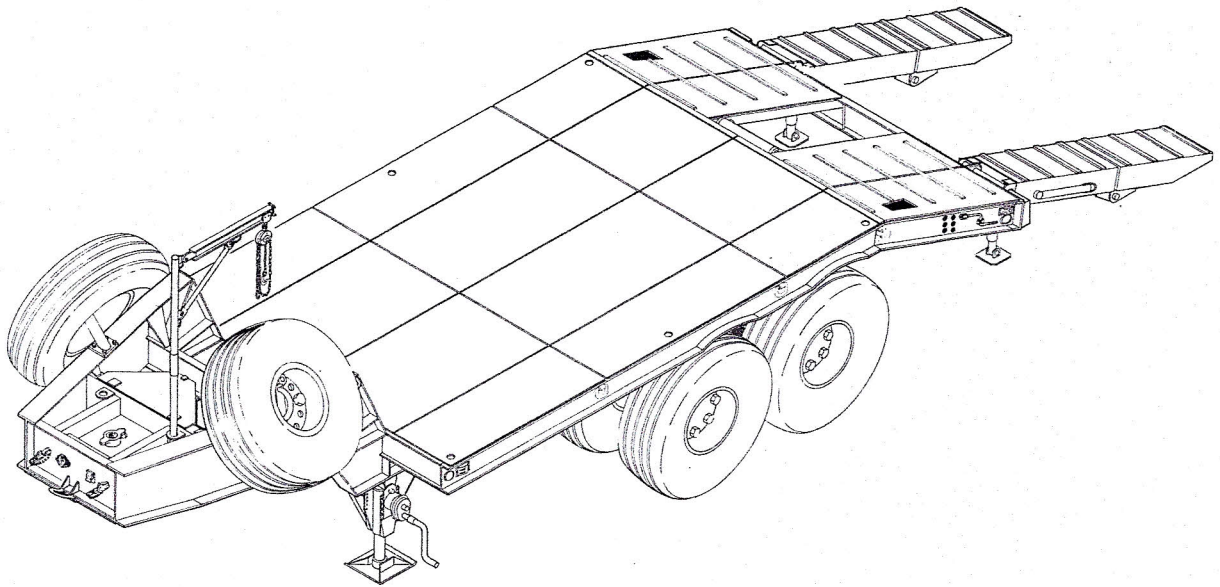
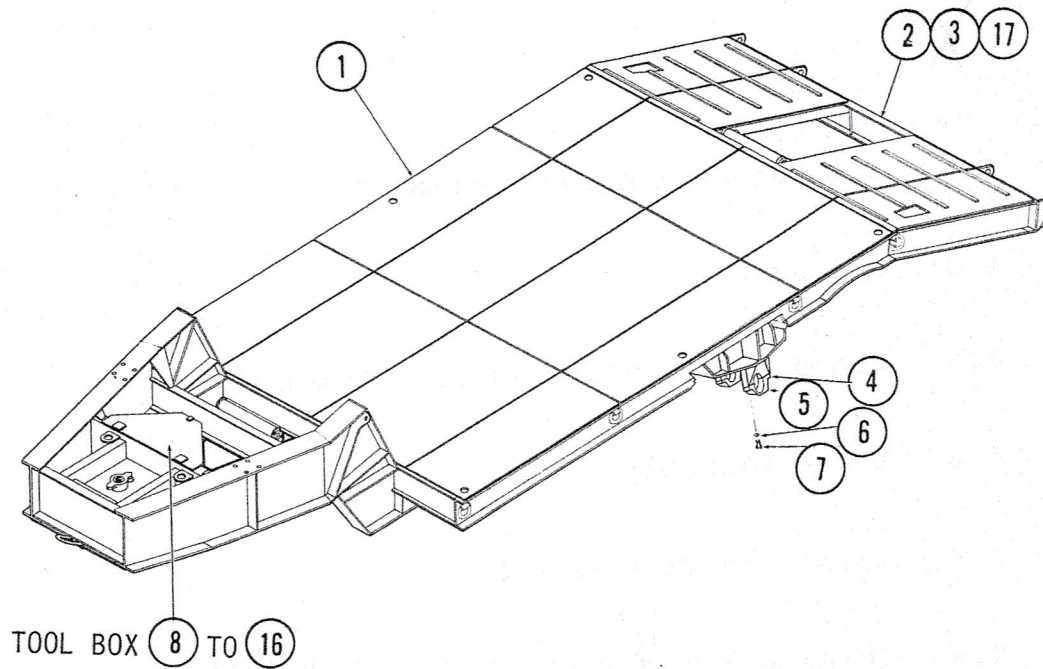


INTRODUCTION



This manual is divided into individual sections describing the main elements of the 66-Ton General Purpose Off-The-Road Transporter, Model 77-0010A. Each section contains an illustrated and numbered parts list to aid in the location and identification of each part of the assembly. Also, listed is the number of units required per each assembly.

MAIN FRAME



ITEM No.	DESCRIPTION	EIDAL PART No.	UNITS PER ASS'Y
1	Main Frame	10779	1
2	Pin Assembly, W/Chain	52555	1
4	Trunnion Block	1172 0103 00	4
5	Trunnion Cap	1172 0105 00	4
6	Lockwasher, 3/4"	50024 6	16
7	Bolt, Hex Hd.	50018 10	16

Breakdown

A - Front and Rear Roller Assemblies

Page 4.1.2

FRONT ROLLER ASSEMBLY

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
-	Front Roller Installation	10781	1
1	Roller	10846	1
2	Bolt, Hex Hd., 1/2"-13 x 1-3/4"	50017 5	8
3	Nut, Hex, Nylok, 1/2"-13 UNC	51264 6	8
4	Flange Bearing Assembly	52537	2

REAR ROLLER ASSEMBLY

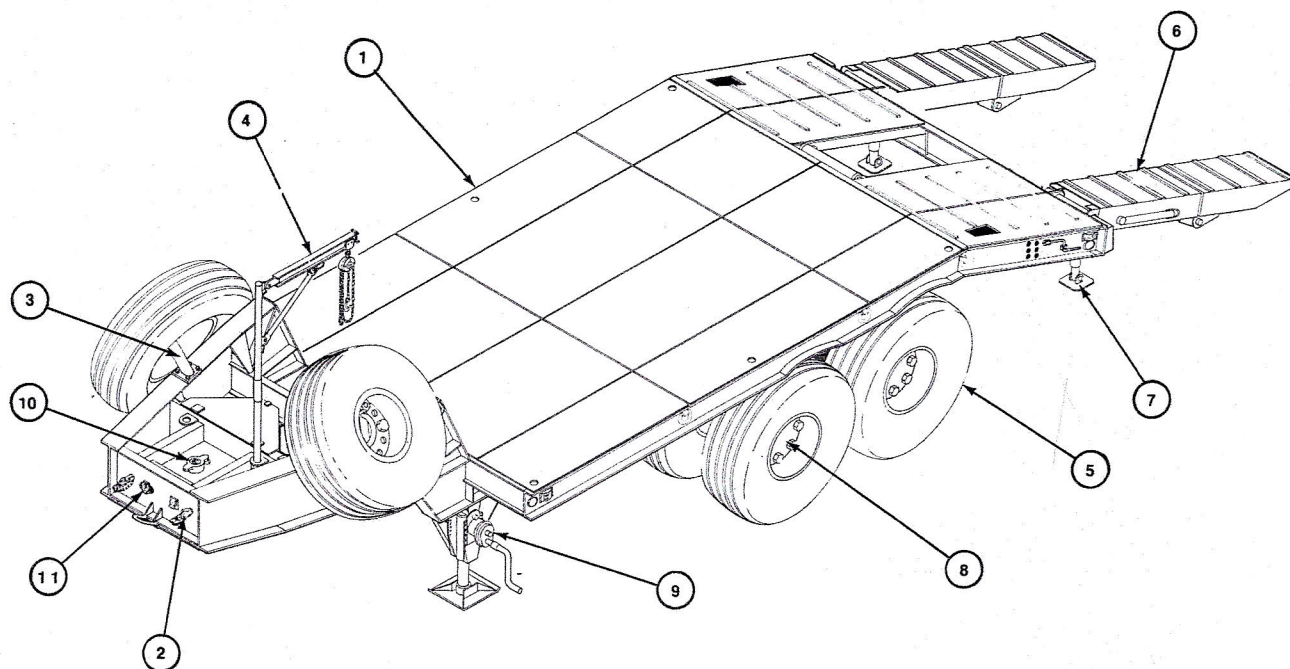
<u>ITEM No.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART No.</u>	<u>UNITS PER ASS'Y</u>
-	Rear Roller Installation	10819	1
1	Roller	10820	1
2	Pillow Block Bearing Assembly	52536	2
3	Bolt, Hex Hd., 1/2"-13 x 2	50017 6 *(50017 5)	4
4	Washer, Flat	50023 4	4
5	Nut, Hex, Nylok, 1/2"-13 UNC	51264 6	4

*() Old EIDAL No. for reference only.

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 - 4.2 Air System
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 - 4.2.2 Air System (Cont'd)
 - 4.2.3 Air System (Cont'd)
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 - 4.4.1 Davit Assembly (Cont'd)
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 - 4.10.1 - 4.10.3 Electrical Assembly (Cont'd)

GENERAL ASSEMBLY



<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
1	Main Frame	10779	1 ✓
	Deck Assembly	52428	1 ✓
2	Air System	10788	1 ✓
3	Spare Tire Carrier/ Lifting Bracket	11645	2 ✓ <i>REVISE</i>
4	Davit Assembly	10780 1	1 ✓
5	Wheel and Tire Assembly	10761	10
6	Loading Ramp Assembly	11661	2
7	Rear Jack Assembly	10771	2
8	Running Gear Assembly	10673	2 ✓
9	Landing Gear Assembly	10818	1 ✓
10	King Pin Assembly	50181	1
11	Electrical System	10786	1

ILLUSTRATED AND NUMBERED PARTS LIST

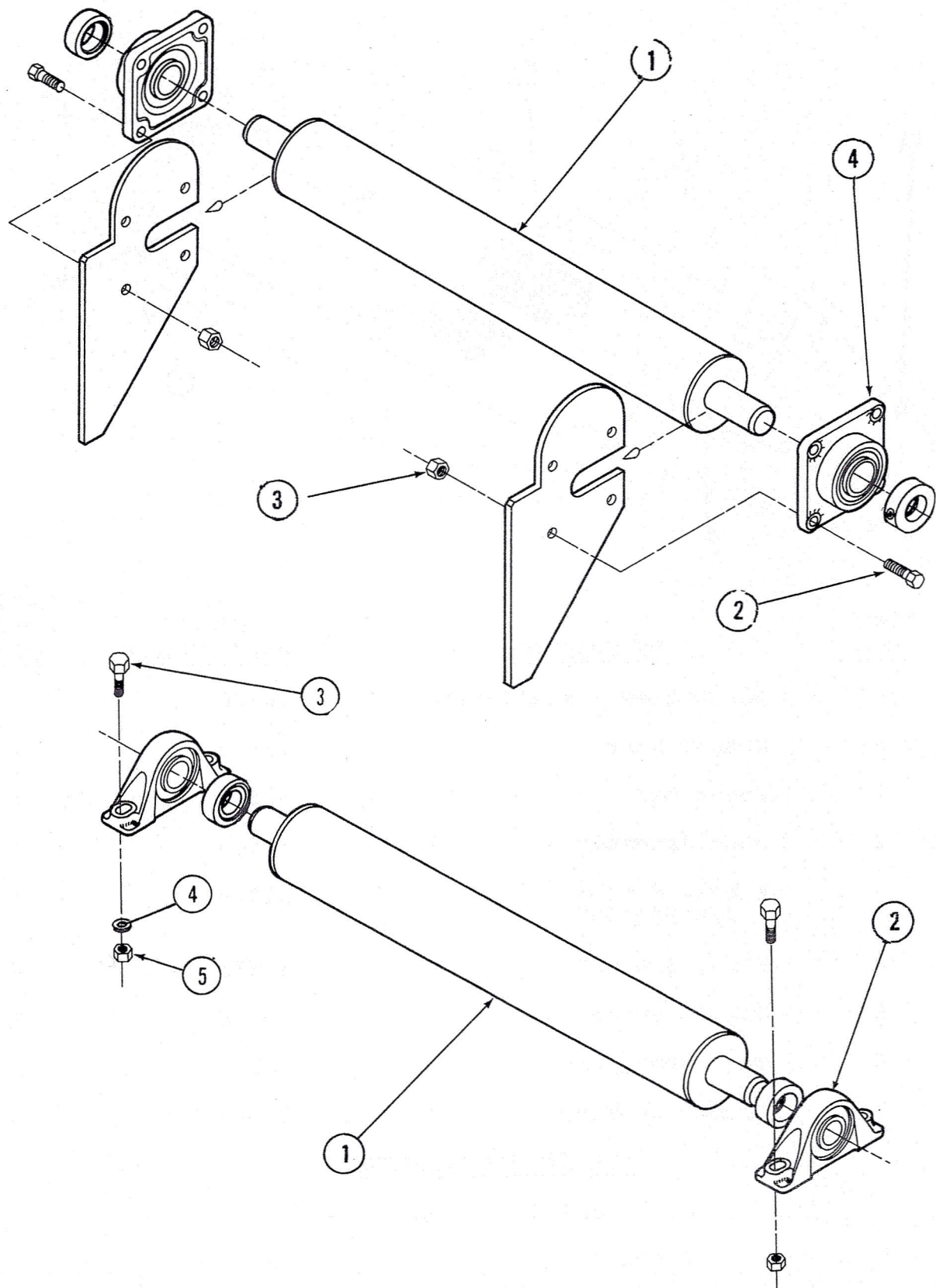
- 4.1 Main Frame and Deck Assembly
- 4.2 Air System
- 4.3 Spare Tire Carrier/Lifting Bracket
- 4.4 Davit Assembly
- 4.5 Wheel and Tire Assembly
- 4.6 Loading Ramp Assembly/Rear Jack Assembly
- 4.7 Running Gear Assembly - TW-WB-60 Suspension
- 4.8 Landing Gear Assembly
- 4.9 Kingpin Assembly
- 4.10 Electrical System

MAIN FRAME

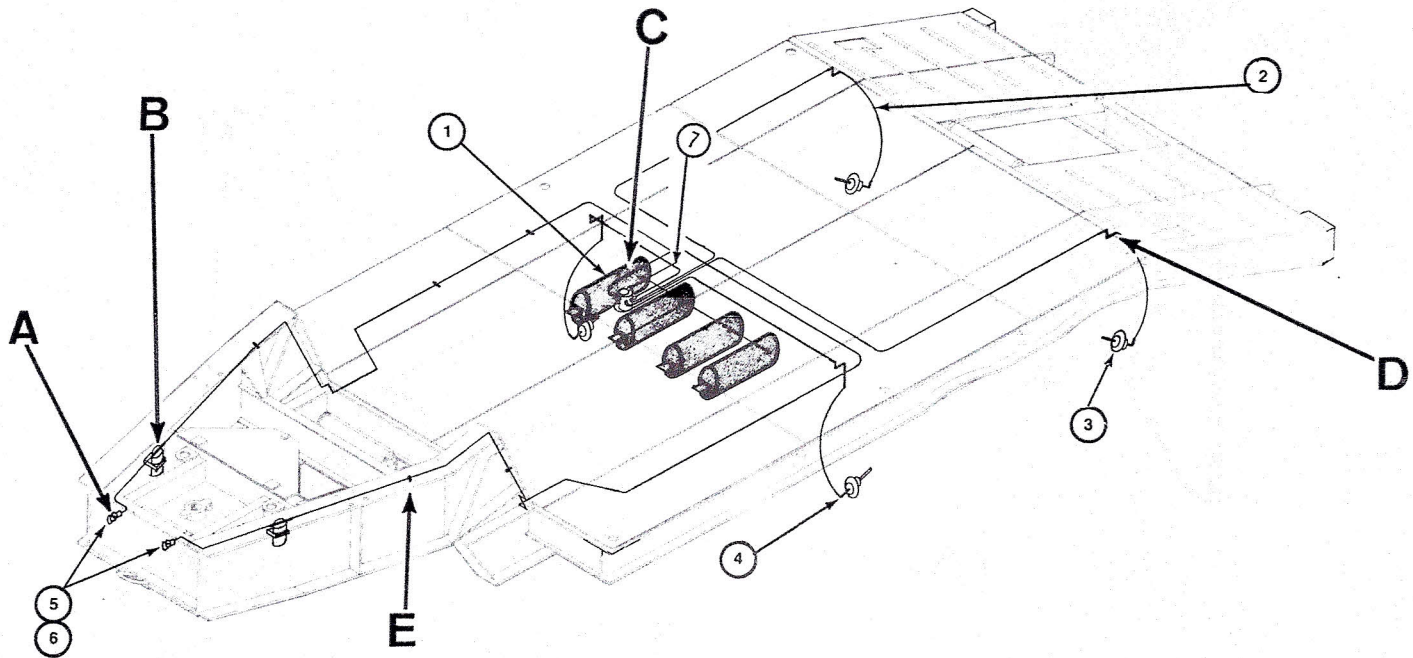
<u>ITEM No.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART No.</u>	<u>UNITS PER ASS'Y</u>
8	Chain Assembly 3/4" x 15 ft	3010 6750 00	4
9	Screw Pin Shackle	3010 6750 01	8
10	Load Binder, Ratchet Type	52558	4
11	Spindle Nut, Wrench	50247	1
12	Spindle Nut, Wrench Handle	50248	1
13	Lug Nut, Wrench	50245 1	1
14	Lug Nut, Wrench Handle	50245 2	1
15	Hydraulic Jack 30-Ton	52559	1
16	Curb Block	40325	6
17	Safety Reflector, L.H.	56329	1
	Safety Reflector, R.H.	56334	1
	Screw, Self Tap 1/4 20 UNC - 2A	51896	8

MAIN FRAME AND DECK ASSEMBLY

FRONT AND REAR ROLLER INSTALLATION



AIR SYSTEM



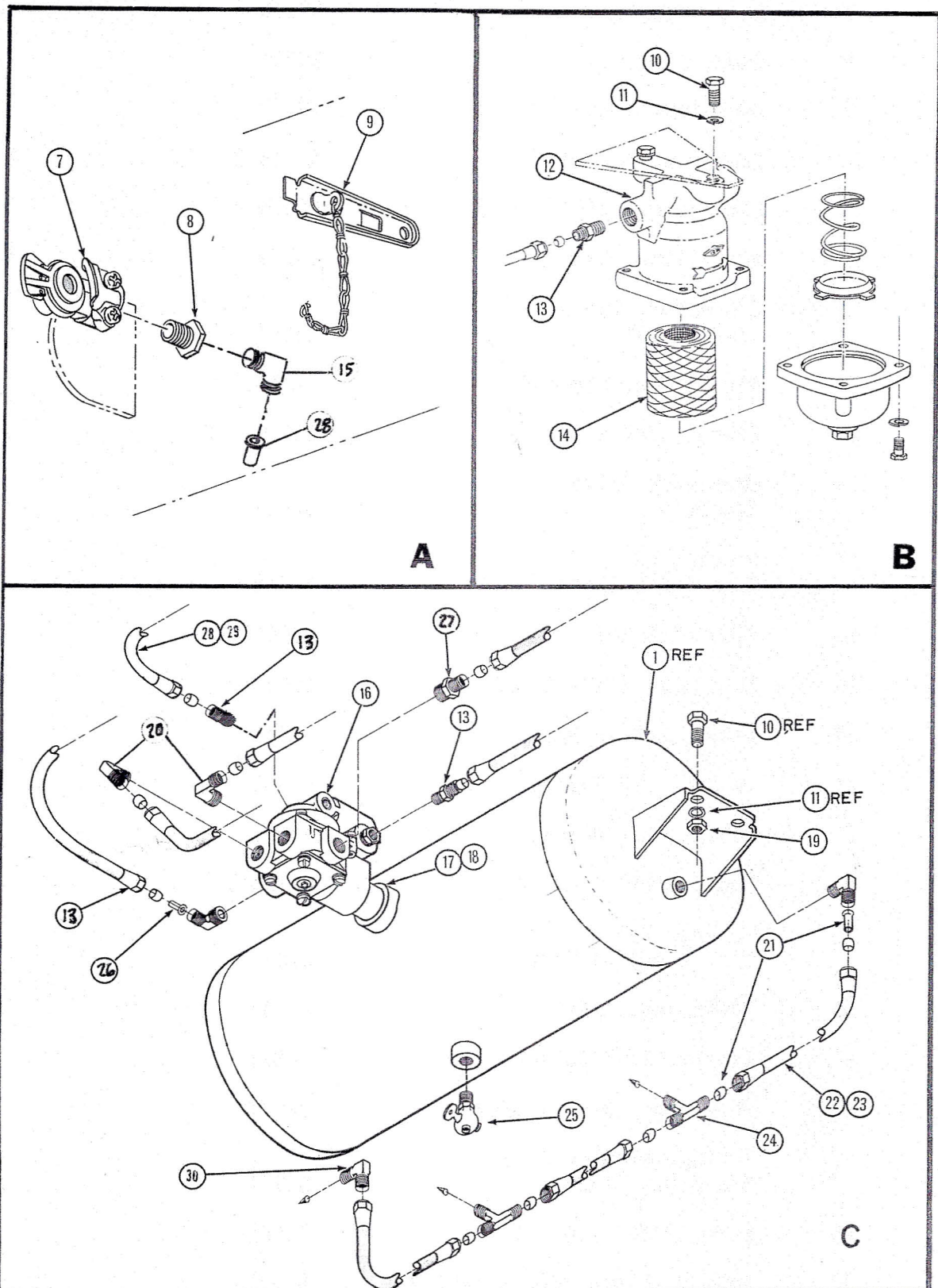
<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
-	Air System Installation	10788	1
-	Jumper Hose	51400 2	2
1	Reservoir	52570	4
2	Hose Assembly	52568	4
3	Elbow, Street 3/8 NPT-90°	51029	4
4	Plug, 3/8 NPT	52565	4
5	Tag, Service	50238	1
6	Tag, Emergency	50237	1
7	Clamp, 1½ Tube	51193 7	5

AIR SYSTEM REFERENCE

A, B, and C Page 4.2.1

D and E 4.2.2

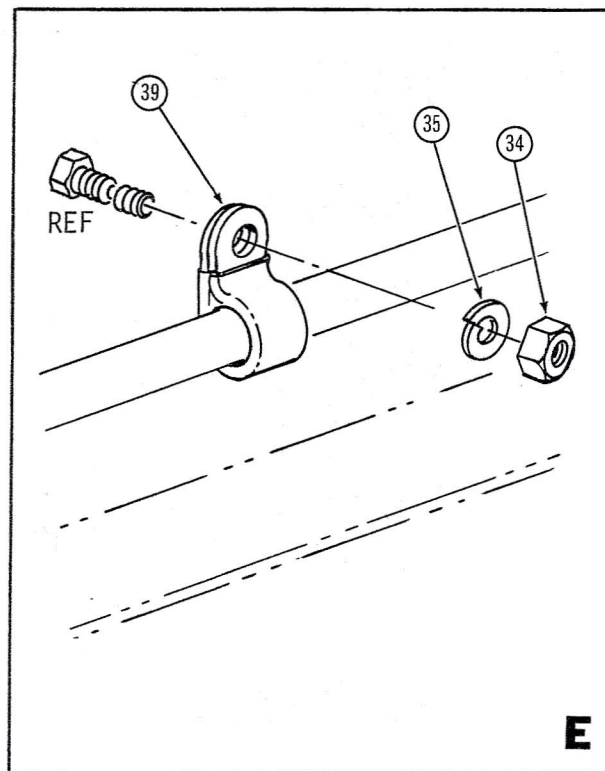
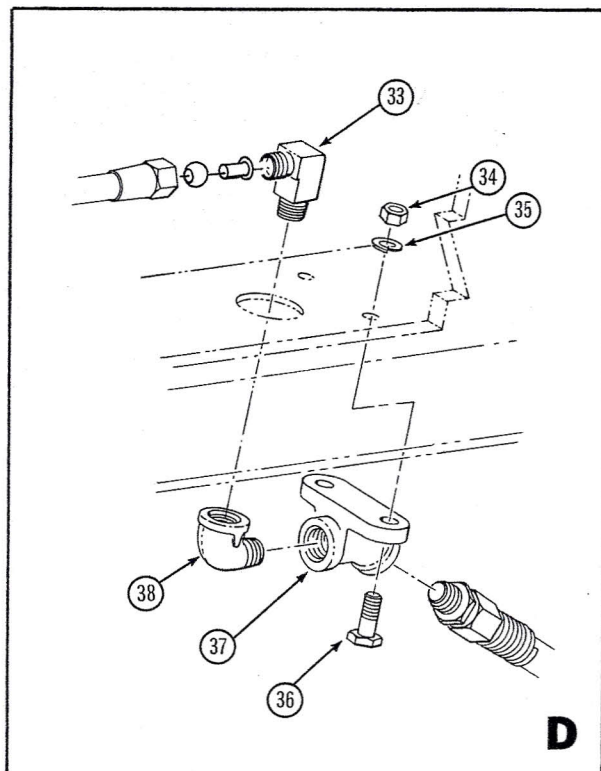
AIR SYSTEM CONT'D



AIR SYSTEM CONT'D

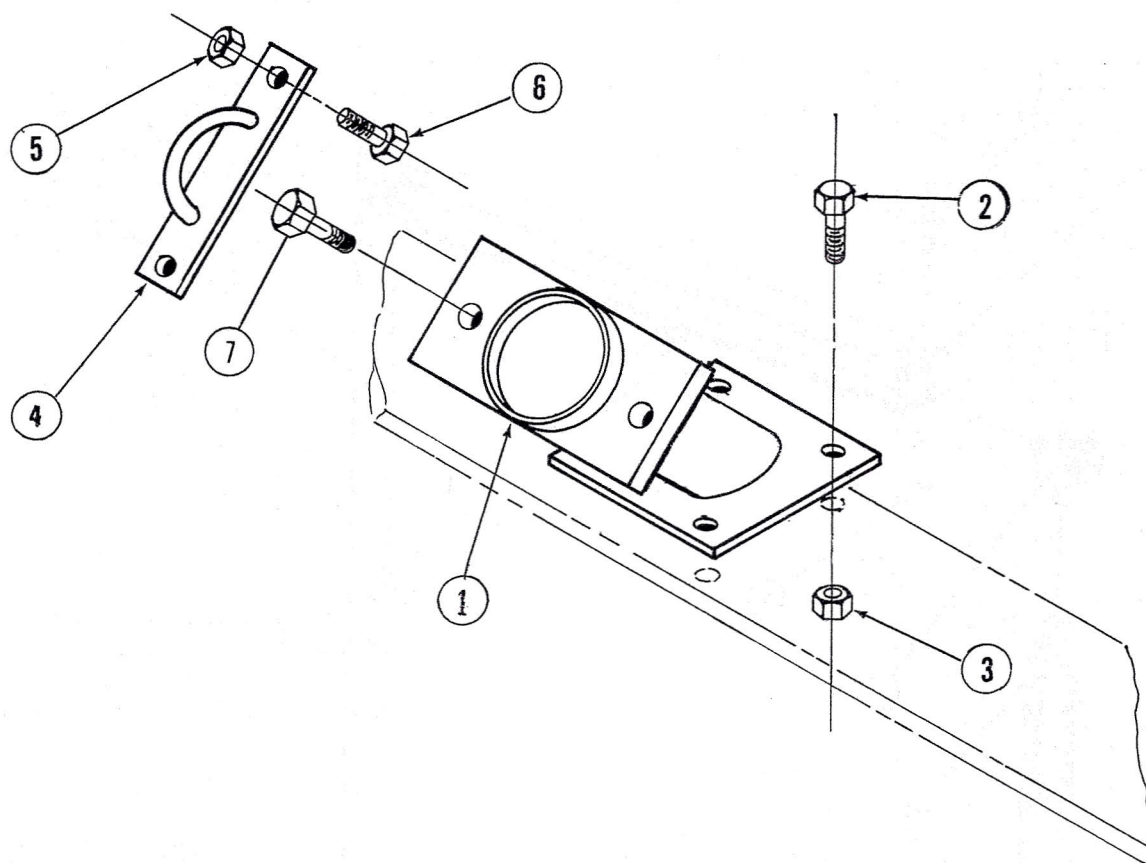
<u>ITEM No.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART No.</u>	<u>UNITS PER ASS'Y</u>
7	Coupling, Hose	50235	2
8	Stud, Clamping	50236	2
9	Coupling, Dummy	50239	2
10	Capscrew, Hex Hd.	50015 2	20
11	Lockwasher, 3/8"	50024 2	20
12	Air Filter, Type E	50229	2
13	Connector, Tubing 1/4P x 3/8T	50124	5
14	Air Filter, Element	52318	2
15	Elbow, 1/4P x 3/8T	50120	3
16	Emergency Valve Assembly	52569	1
17	Nipple, Hd 3/4NPT x 1-3/4"	52615	1
18	Plug, 3/4 NPT	52564	3
19	Nut, Hex, 3/8"-16 UNC	50022 2	16
20	Elbow, 3/8P x 3/8T	50713	3
21	Insert, 1/2 Tubing	51047	6
22	Tubing, 1/2 Nylon, 4'	51051	1
23	Loom, 9/16" I.D., 4'	10788 3	1
24	Tubing, Tee 1/2T x 3/8P x 1/2T	51030	2
25	Draincock, 1/4P	51797	4
26	Insert, 3/8" Tubing	50891	16
27	Connector, 3/8T x 3/8P	52637	1
28	Tubing, Synflex, 120' 3/8 O.D., Black	50122	1
29	Loom, 7/16" I.D., 120'	51562	1
30	Tubing, Elbow 3/8P x 3/8T 90°	51802	2

AIR SYSTEM CONT'D



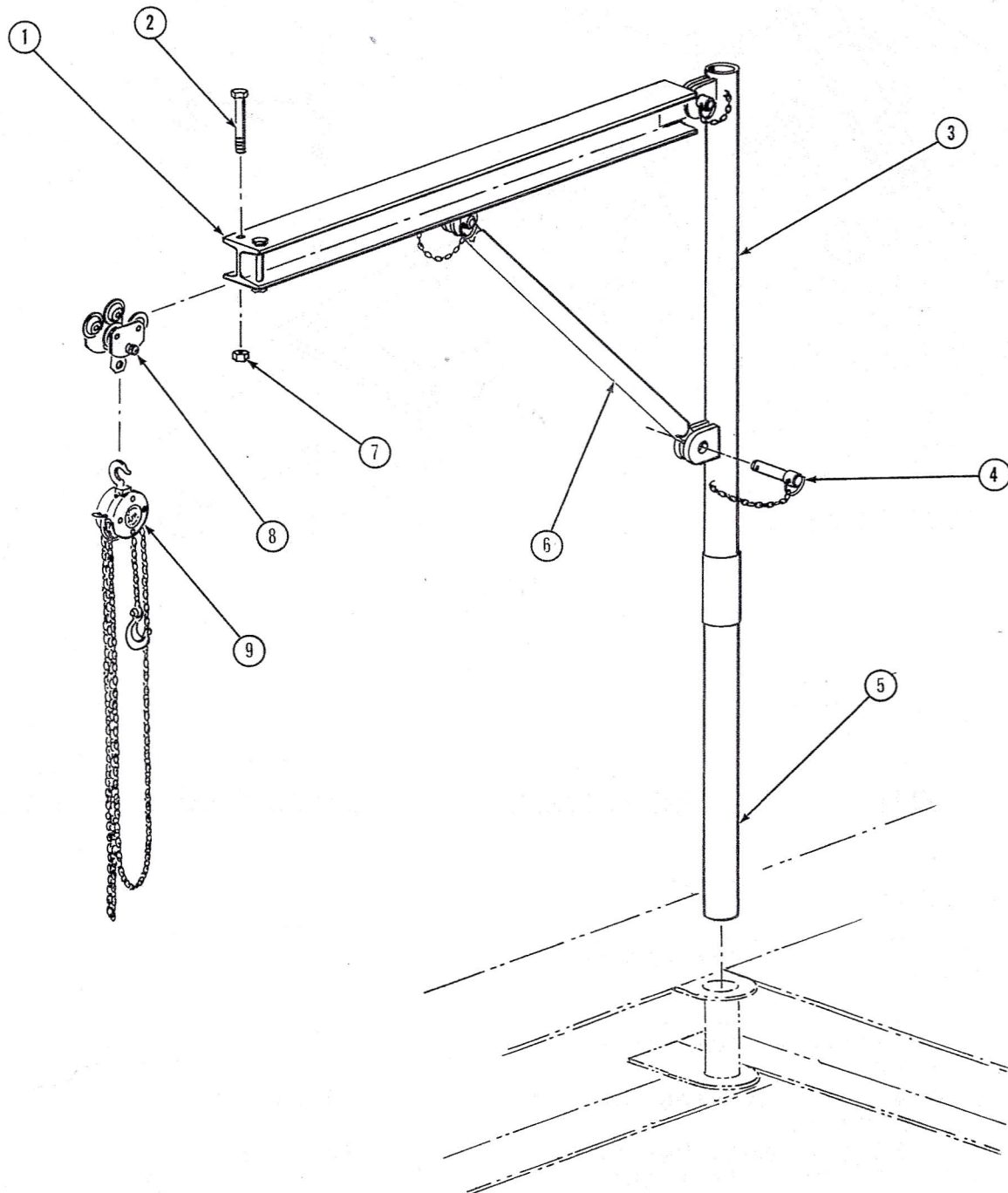
<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
33	Elbow, Extra Long 1/4P x 3/8T	50232	4
34	Nut, Hex 1/4"	50022 1	27
35	Lockwasher, 1/4"	50024 1	27
36	Capscrew, 1/4"-20 NC x 1-3/4"	50014 6	8
37	Anchor, Elbow	3010 6216 .00	4
38	Elbow, Street 90°-1/4P	50233	4
39	Clamp, 1/2 Tube	50886 3	14

SPARE TIRE CARRIER & LIFTING BRACKET



<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
1	Spare Tire Carrier Assembly	11645	2
2	Bolt, Hex Hd. 3/4"-10 NC x 2 1/4"	50018 8	8
3	Locknut, Hex Hd. 3/4"-10 NC	51264 3	8
4	Lifting Bracket	52429	2
5	Nut, Hex Hd. 1"-8 UNC	50022 6	4
6	Bolt, Hex Hd. 1"-8 NC x 3"	52429 3	4
7	Bolt, Hex Hd. 1-1/2-7NC x 3	52406 5	4

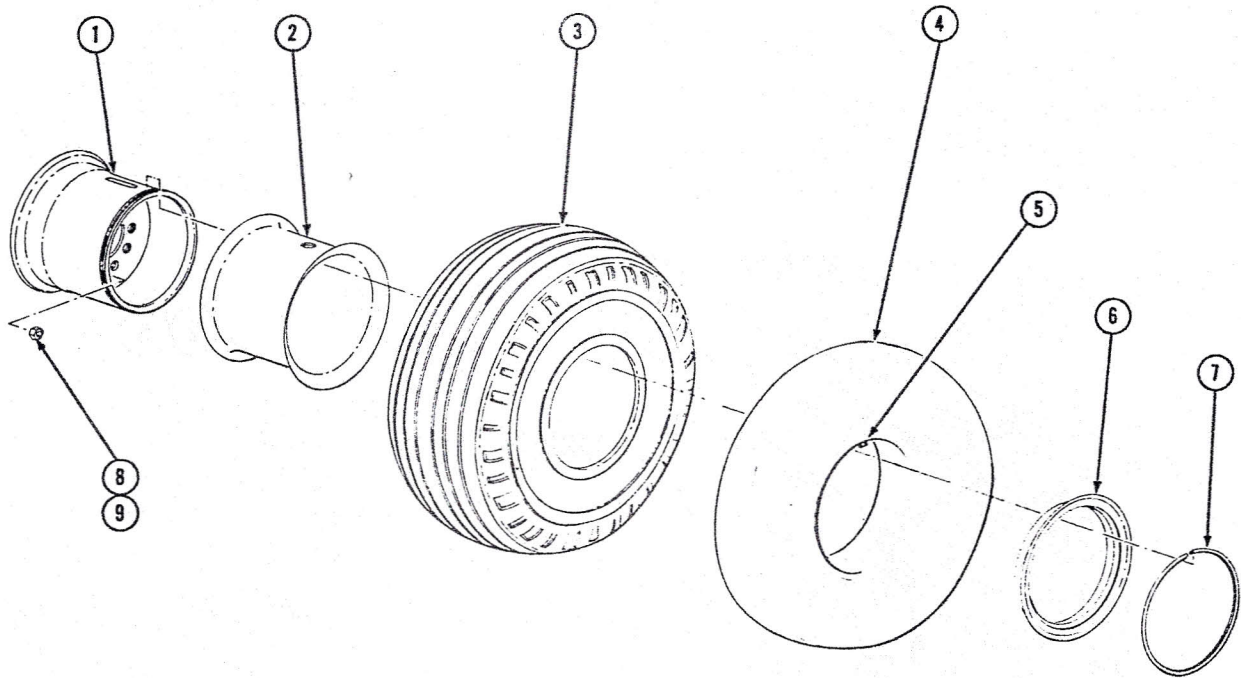
DAVIT ASSEMBLY



DAVIT ASSEMBLY CONT'D

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
-	Davit Assembly	10780 1	1
1	Arm Weldment	10780 2	1
2	Bolt, Hex Hd. 5/8"-11 UNC x 5"	10780 16	2
3	Column Weldment	10780 10	1
4	Pin Assembly	3010 6710 00	3
5	Column Weldment	10780 6	1
6	Brace, Diagonal	10780 15	1
7	Nut, Hex 5/8"-11 UNC	50022 4	2
8	Trolley 1/2 Ton, Type A	10780 21	1
9	Hoist 1/2 Ton, L70	10780 20	1

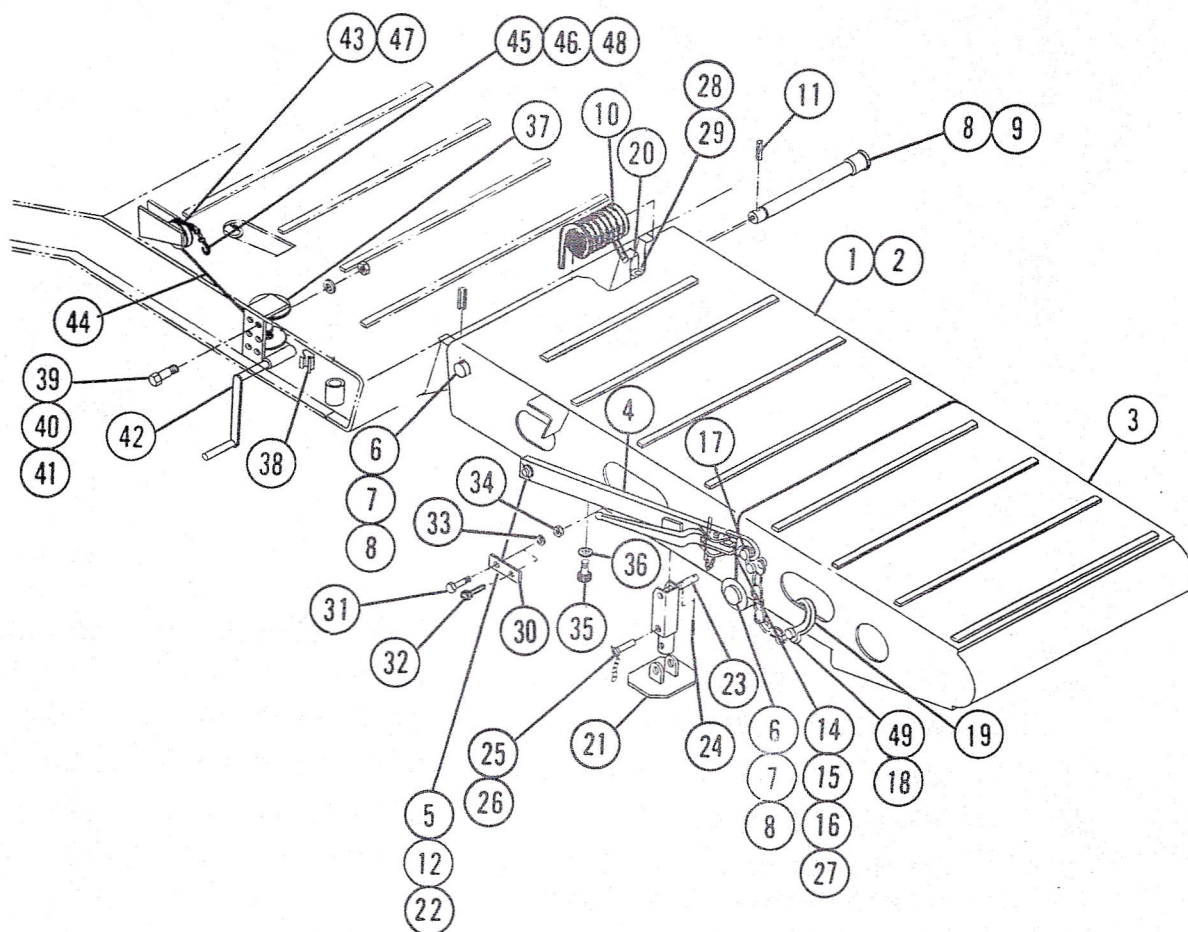
WHEEL & TIRE ASSEMBLY



ITEM NO.	DESCRIPTION	EIDAL PART NUMBER	UNITS PER ASS'Y
-	Wheel and Tire Assembly	10761	10
-	Wheel, 18:00 x 21	5110 6300 00	10
1	Rim Assembly, 18:00 x 21	5110 0306 00	10
2	Flap, 24 x 21	1227 0114 00	10
3	Tire, 24 x 21 - 18 Ply Rib Sand, Tube Type	52437	10
4	Tube, 24 x 21	1227 0113 00	10
5	Stem, Air Valve (G")	1227 0117 00	10
6	Flange	5110 0301 00	10
7	Lockring	5110 0302 00	10
8*	Capnut, LH	50012 2	40
9*	Capnut, RH	50012 1	40

*In ordering Part Number 10761, Wheel and Tire Assembly, Items 8 and 9 are not included.

LOADING RAMP ASSEMBLY



LOADING RAMP ASSEMBLY

ITEM No.	DESCRIPTION	EIDAL PART No.	UNITS PER ASS'Y
1	Ramp, Upper, LH Assembly	11662*	1
2	Ramp, Upper, RH Assembly	11664*	1
3	Ramp, Lower, Assembly	11454*	2
4	Arm, Lifting, Assembly	11642*	2
5	Washer	50023 4	2
6	Pin, Roll	53060 9	12
7	Pin, Hinge	55084*	6
8	Grease Fitting, 1/8 STR	50030 1	10
9	Pin, Hinge	56222*	2
10	Spring, Torsion, LH	56219*	1
	Spring, Torsion, RH	56220*	1
11	Pin, Roll	53060 8	2
12	Pin, Lift Arm	56230*	2
14	Chain	50026	2
15	Link, Arm Adjusting, Assembly	11668*	2
16	Pin, Safety, Large	56404	2
17	Clevis, Double Ended	56330*	2
18	Chain, 3/8 Hi-Test	56333*	2
19	Hook, Safety	11671	2
20	Wedge Assembly	11670*	2
21	Jack, Rear, Assembly	10771	2
22	Pin, Roll	53060 7*	2
23	Pin, Rear Jack	52484	1
24	Pin, Roll	53060 13	4
25	Lock Pin, Jack	50243	1

* NEW EIDAL NO. ASSIGNMENT

4.6.1

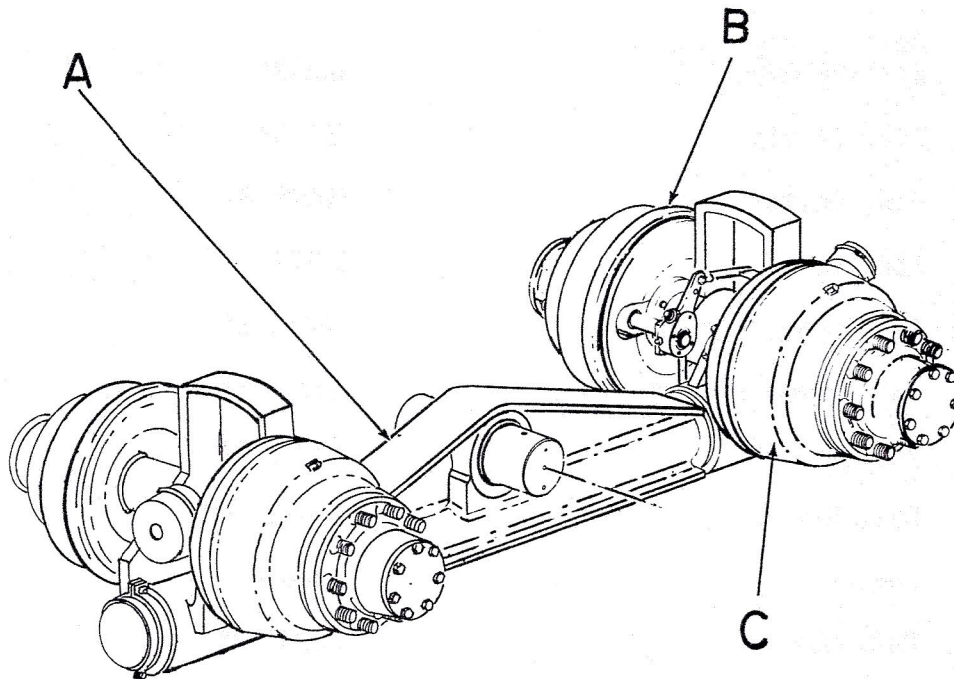
LANDING RAMP ASSEMBLY CONT'D

<u>ITEM No.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART No.</u>	<u>UNITS PER ASS'Y</u>
26	Chain, Lock Pin	52534 12	1
27	Bolt, Flange, Hx. Hd. 3/8"-16 UNCx1" Lg	56332*	4
28	Pin, Clevis	55173*	2
29	Pin, Cotter	50025 8	2
30	Lock Bar	55172	2
31	Cap Screw, Hex Hd	50016 3*	2
32	Cap Screw, Hex Hd	50016 6*	2
33	Washer	50023 4*	4
34	Nut, Hex	50022 14*	4
35	Bumper	53466*	4
36	Nut, Hex	51983 2*	4
37	Winch, W/Handle	52551	2
38	Clip, Handle Stowage	52646	2
39	Capscrew, Hex Hd 3/8-16 UNC x 1 1/4	50013 3	12
40	Lockwasher, 3/8 Hel. Spr.	50024 2	12
41	Nut, Hex 3/8-16 UNC	50022 2	12
42	Cotter Pin 3/32 x 2	56338	2
43	Sheave, Wire Rope	56324	2
44	Wire Rope, 5/16, 6x9x12 ft	50029 9	2
45	Clip, Wire Rope	59928 2	4
46	Hook, Snap	52552	2
47	Clevis Pin	56328	2
48	Thimble, Wire Rope	56311	2
49	Clevis Link, Double	56341	2

* NEW EIDAL NO. ASSIGNMENT

RUNNING GEAR ASSEMBLY

TW-WB-60 Suspension



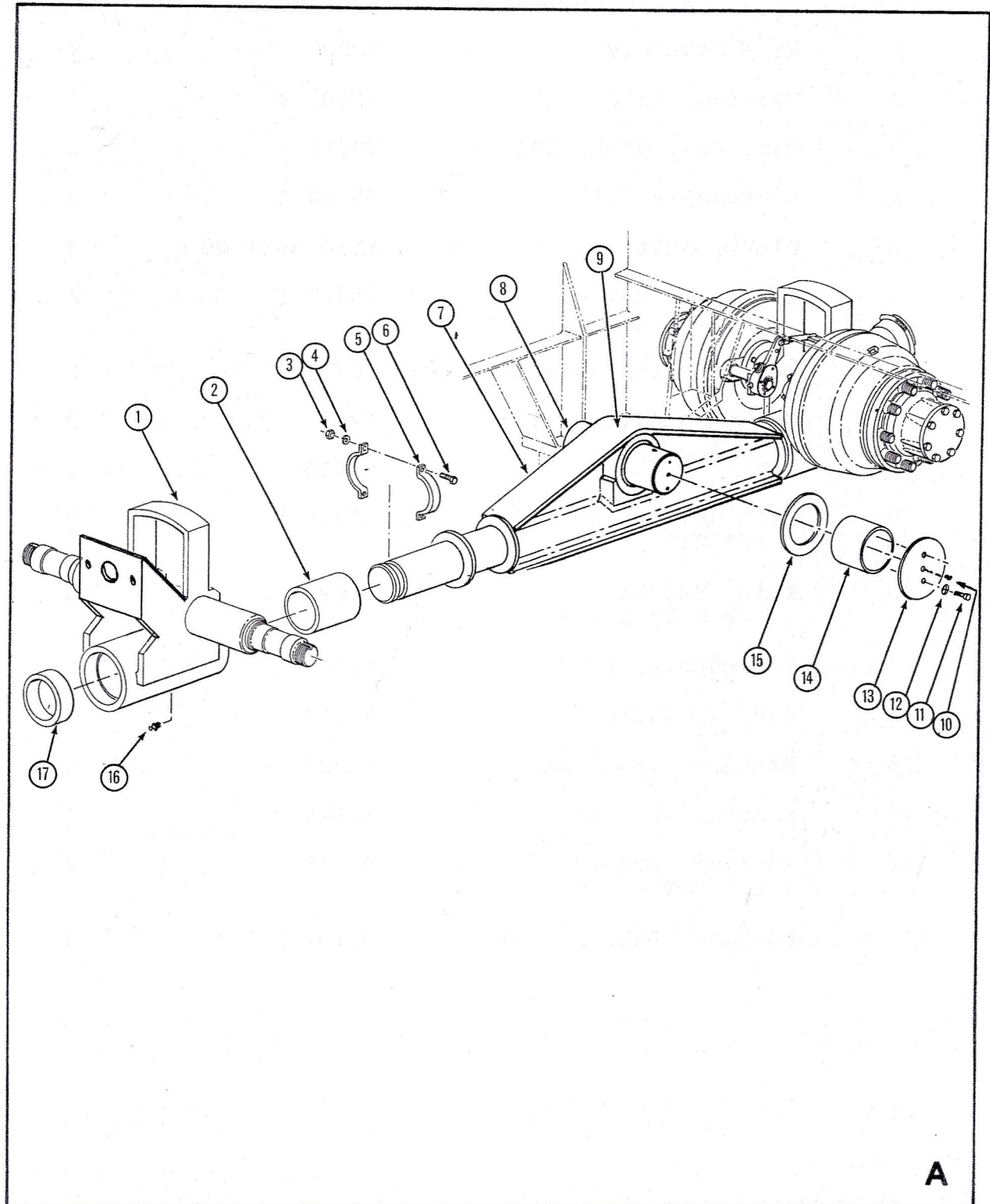
<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>UNITS PER ASS 'Y</u>
Running Gear Assembly	10673	2
Front and Rear Axle Assemblies	10675	4
Walking Beam Assembly	10672	2
Brake Assembly	930 11 3 RH	4
	930 11 4 LH	4

ASSEMBLY REFERENCE

A - Walking Beam Assembly	Page	4.7.1
B - Axle Assembly		4.7.3
C - Brake Assembly		4.7.5

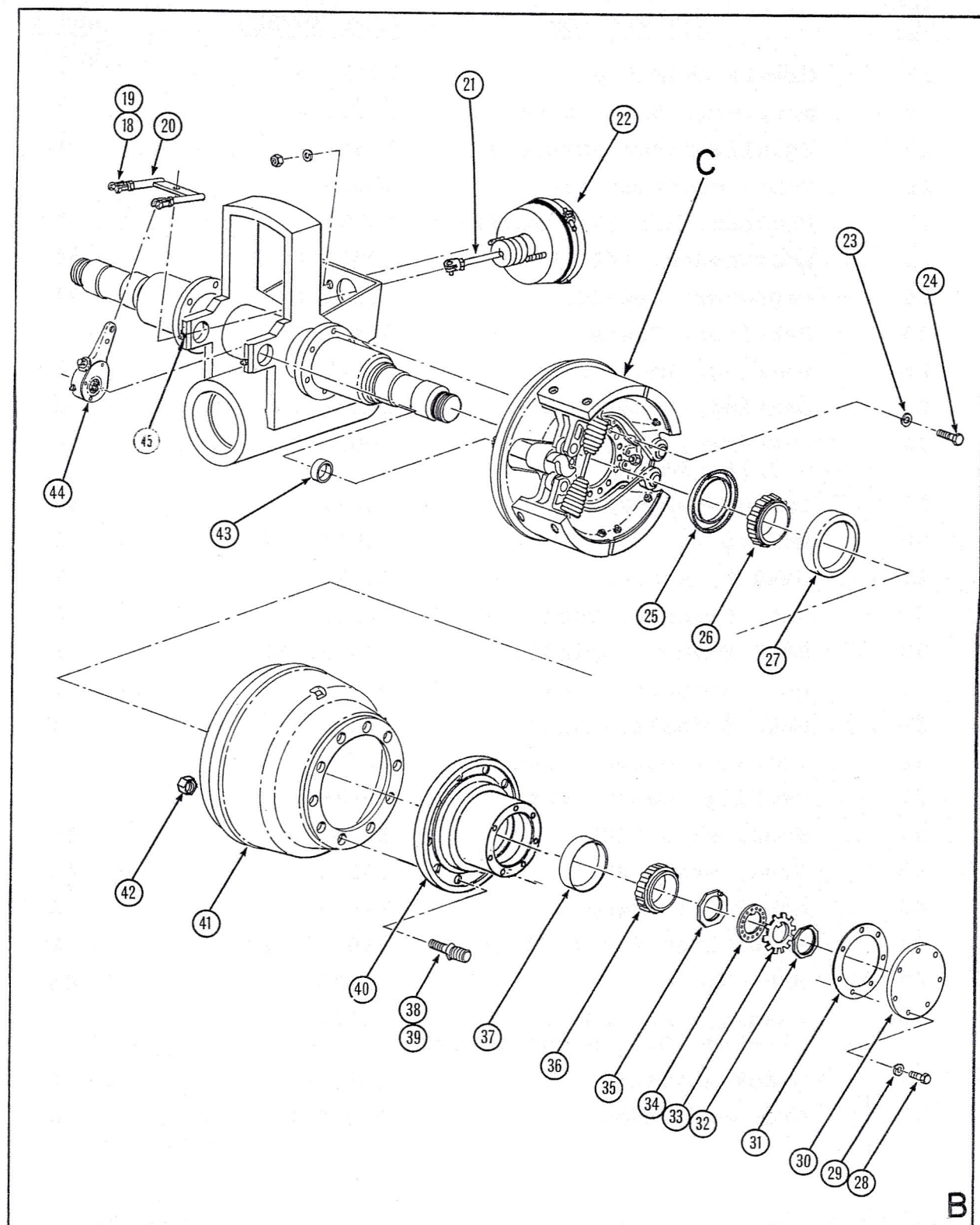
RUNNING GEAR ASSEMBLY CONT'D

WALKING BEAM ASSEMBLY



RUNNING GEAR ASSEMBLY CONT'D

AXLE ASSEMBLY



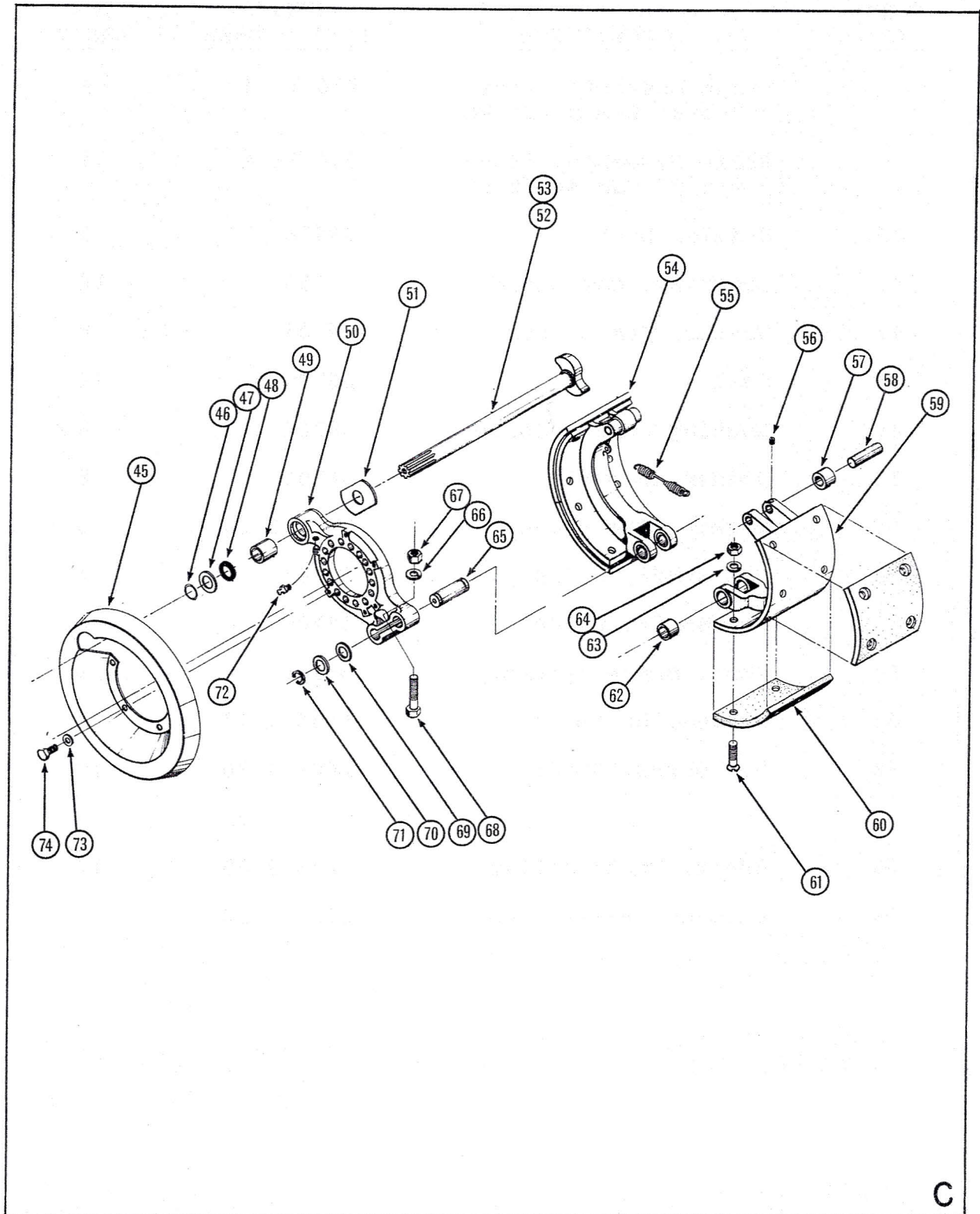
RUNNING GEAR ASSEMBLY CONT'D

AXLE ASSEMBLY

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS 'Y</u>
18	Clevis Assembly	10678 5	8
19	Nut, Hex, 5/8"-18 NF	51983 4	8
20	Equalizer Bar Assembly	10678 1	4
21	Tube, Modification	52669	4
22	Chamber, Air #36, Modified	10887	4
23	Lockwasher, 1/2" STD	50024 4	64
24	Capscrew, Hex Hd.	51531 1	64
25	Retainer, Grease	50126	8
26	Bearing, Inner, Cup	50127 2	8
27	Bearing, Inner, Cone	50127 1	8
28	Capscrew, Hex Hd. 7/16"-14 UNC x 3/4"	50016 2	56
29	Lockwasher, 7/16" STD	50024 3	56
30	Hubcap	50136	8
31	Gasket, Hubcap	50135	8
32	Nut, Spindle, Outer	50131	8
33	Star Washer, Spindle Nut	930 11 31	8
34	Nut, Spindle, Lock	50130	8
35	Nut, Spindle, Inner	50129	8
36	Bearing, Outer, Cone	52540	8
37	Bearing, Outer, Cup	50128 2	8
38	Stud, Wheel LH	50138 2	40
39	Stud, Wheel RH	50138 1	40
40	Hub for 1" Stud	1492 1 1	8
41	Brake Drum for 1" Stud	930 11 28	8
42	Nut, Back	52525	80
43	Bushing, Cam Shaft 1-3/4" O.D. x 1 1/2" I.D. x 1"	52102	8
44	Slack Adjuster	51245	4
45	Grease Fitting	50030 1	8

RUNNING GEAR ASSEMBLY CONT'D

BRAKE ASSEMBLY

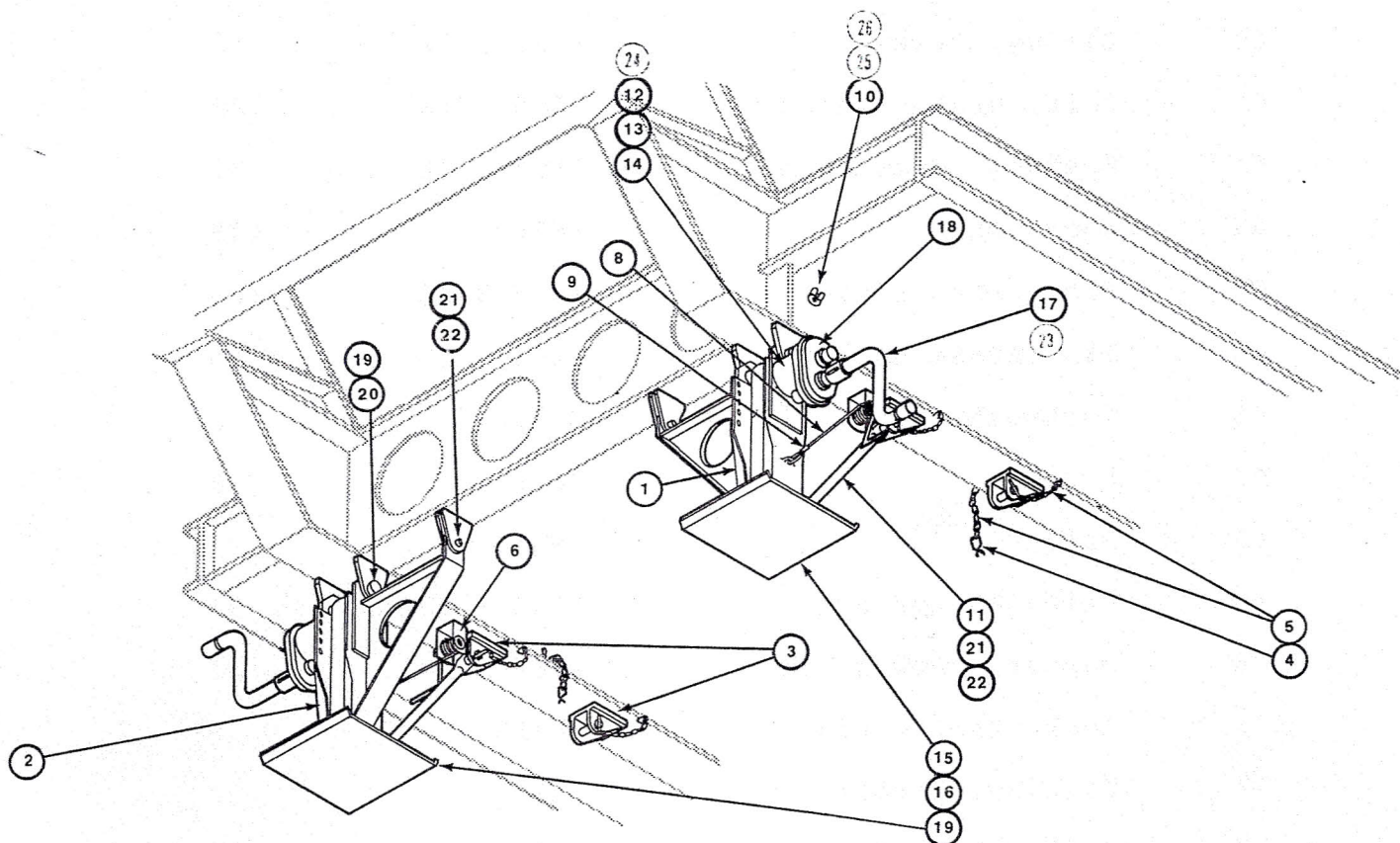


RUNNING GEAR ASSEMBLY CONT'D

BRAKE ASSEMBLY

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS 'Y</u>
	Brake Assembly, 16½x7 8-5/8" Cam Shaft RH	930 11 3	4
	Brake Assembly, 16½x7 8-5/8" Cam Shaft LH	930 11 4	4
45	Shield, Dust	56686	8
46	Lockring, Cam Shaft	56356	16
47	Washer, Cam Spacer	56703	8
48	Seal	56704	16
49	Bushing, Brake Spider	56706	8
50	Spider Assembly	56705	8
51	Washer, Cam Spacer	1486 3 10	8
52	Cam Shaft, 8-5/8" RH	56707	4
53	Cam Shaft, 8-5/8" LH	56708	4
54	Shoe, Brake Assembly	56554	16
55	Spring, Brake	1486 3 47	8
56	Set Screw, Shaft	1486 3 30	16
57	Roller, Brake Cam	1486 3 28	16
58	Shaft, Brake Roller	1486 3 29	16
59	Casting, Brake Shoe	1486 3 16	16

LANDING GEAR ASSEMBLY

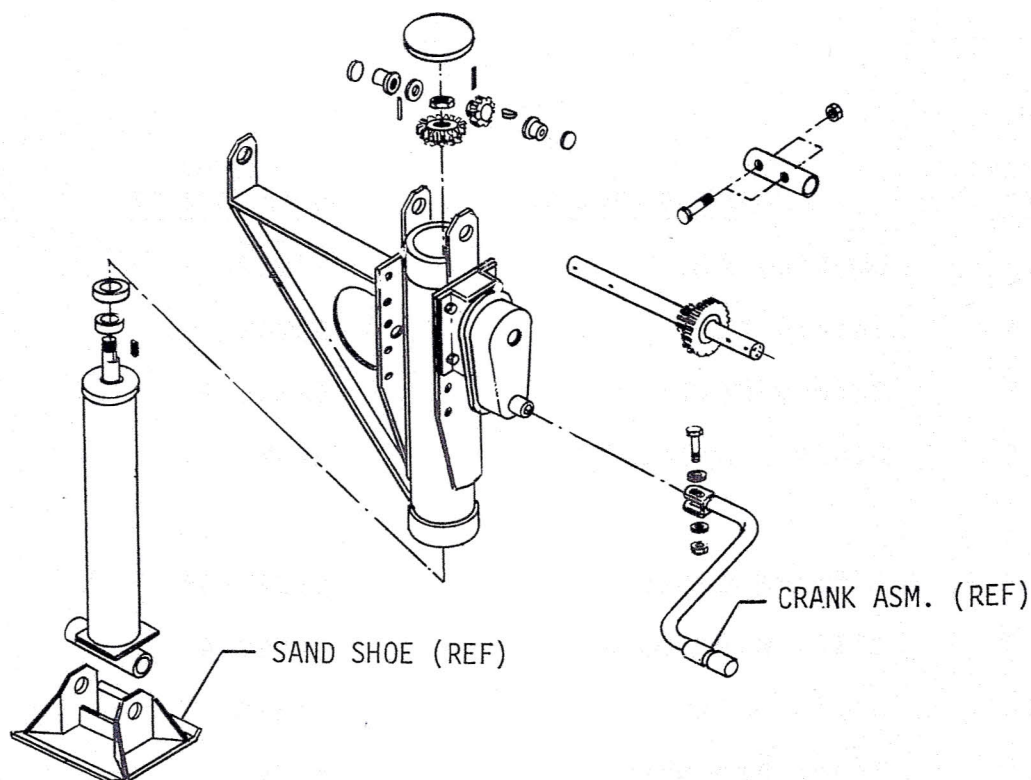


<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
-	Landing Gear Assembly 25	10818	1
1	Landing Gear Leg, LH	10818 1	1
2	Landing Gear Leg, RH 20	10818 2	1

LANDING GEAR ASSEMBLY CONT'D

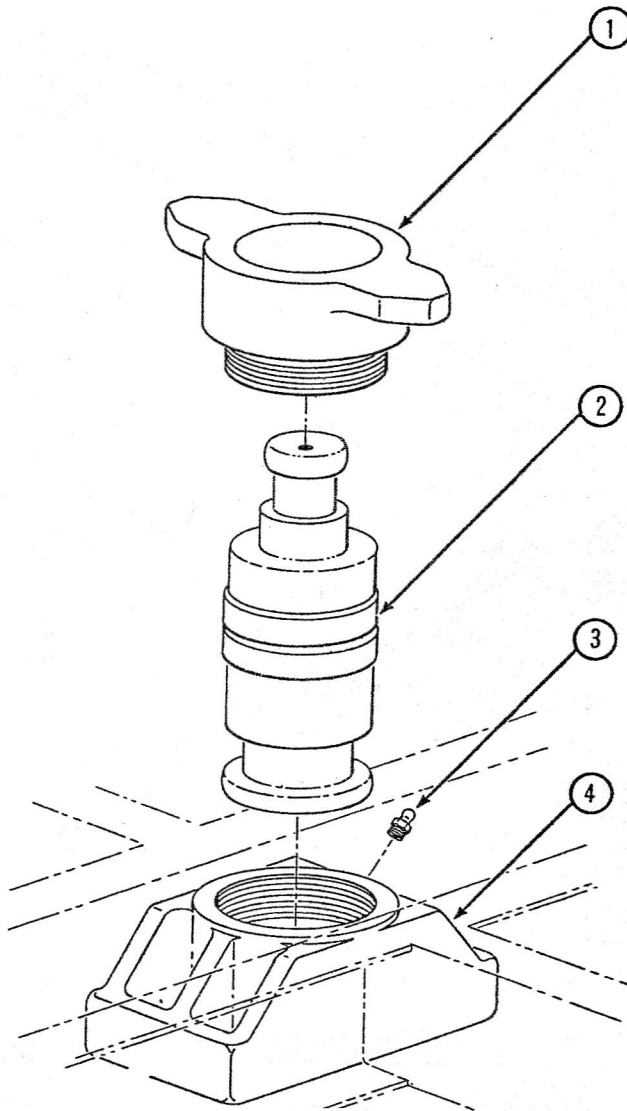
<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS 'Y</u>
3	Locking Pin	52517	4
4	Safety Pin	50243	4
5	Safety Chain	52534 9	8
6	Binder, w/Handle	11087	2
8	Lifting Cable	52547 48	2
9	Clip, Wire Rope	50028 4	2
10	Spring Clip	52645	2
11	Brace Assembly	56345	2
12	Bolt, Hex Hd., 5/8-11x2	50176 6	8
13	Locknut, 5/8-11	56379	8
14	Washer, Flat, 5/8"	50023 5	8
15	Solid Axle	56343	2
16	Shoe, Sand, 18 x 18	56342	2
17	Crank	56346	2
18	Gear Box Assembly	56344	2
19	Pin, Roll, 3/8 x 2½	52698 7	8
20	Pivot Pin, Large	56374 9710-14	2
21	Pivot Pin, Small	56373 9710-13	4
22	Pin, Roll, 3/8 x 1½"	52698 3	8
23	Spring	56377	4
24	Spacer	56347	8
25	Screw, Self Tap, 10-24x½	52542 2	2
26	Washer, #10 Flat	50023 7	2

LANDING GEAR ASSEMBLY CONT'D



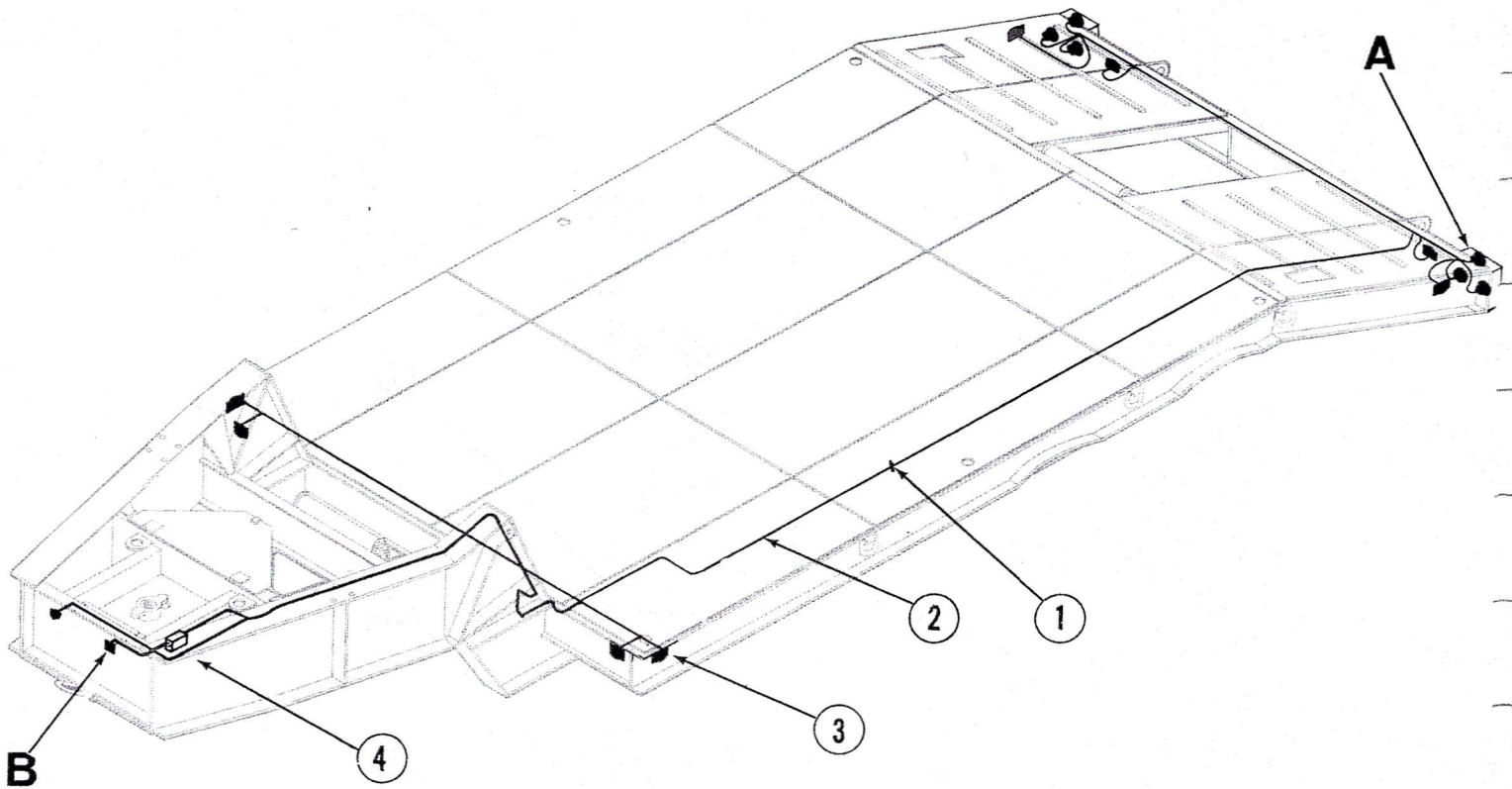
ITEM NO.	DESCRIPTION	EIDAL PART NO.	ITEM NO.	DESCRIPTION	EIDAL PART NO.
1	Leg & Skirt Assy RH	56381	11	Bushing	56741
	Leg & Skirt Assy LH	56382	12	Washer	56392
2	Cover	56394	13	Roll Pin, $\frac{1}{4} \times 1\frac{1}{4}$	53060-5
	Adhesive, 3 oz.	56393	14	Roll Pin, $\frac{3}{8} \times 1\frac{3}{8}$	56396
3	Lower Leg Assy	56383	15	Pinion Gear	56395
4	Key, $\frac{1}{4} \times 3/16$	56387	16	Pinion Shaft	56390
5	Collar	56384	17	Intermediate Shaft	56742
6	Thrust Bearing	56385	18	Bolt, Hex Hd $\frac{3}{8}-16 \times 2\frac{1}{2}$	50015-8
7	Bushing	56386	19	Lock Nut, $\frac{3}{8}-16$	51741-3
8	Bevel Gear	56388			
9	Nut, Hex	56389			
10	Seal	56397			

KING PIN ASSEMBLY



<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
1	Clamp, King Pin	50180	1
2	King Pin, Double Ended	50181	1
3	Fitting, Grease	50030 1	1
4	Socket, King Pin	54182 2	1

ELECTRICAL SYSTEM



ITEM NO.	DESCRIPTION	EIDAL PART NUMBER	UNITS PER ASS'y
-	Electrical System	10786	1
-	Jumper Cable, 12 Ft	3010 6110-01	1
1	Clamp	50886 2	25
2	Wiring Harness	10786 1	1
3	Lamp, Clearance 12 Volt, Amber	52488	4
4	Converter 24 to 12 Volt	52499	1

Electrical System Reference

A and B - Lights, Reflectors, and
Receptacle Assembly

Page 4.10.3

ELECTRICAL SYSTEM CONT'D

Electrical System

LIGHTS, REFLECTORS and RECEPTACLE ASSEMBLY (Cont'd)

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>EIDAL PART NUMBER</u>	<u>UNITS PER ASS'Y</u>
22	Snap Ring	55960	6
23	Lamp, Turn Signal 12 Volt, Red	52497	2
24	Bulb, 12 Volt, Single	56513	2
25	Bolt, Hex Hd., 1/4"-20 UNC x 1-1/2"	50014 3	6
26	Receptacle Assembly 12 Volt	3010 6120 00	1
27	Nut, Hex, 1/4"-20 UNC	50541	31
28	Shell, Ord. 8338566	51533	16
	Ferrule, Ord. 572929	51534	16
	Washer, Ord. 8338567	51535	16
29	Receptacle Assembly 24 V-lt	3010 6120 35	1
30	Cover, Receptacle	3010 6110 07	1

REFER TO ELECTRICAL SCHEMATIC IN OPERATORS MANUAL.

ELECTRICAL SYSTEM CONT'D

LIGHTS, REFLECTORS, and RECEPTACLE ASSEMBLY

