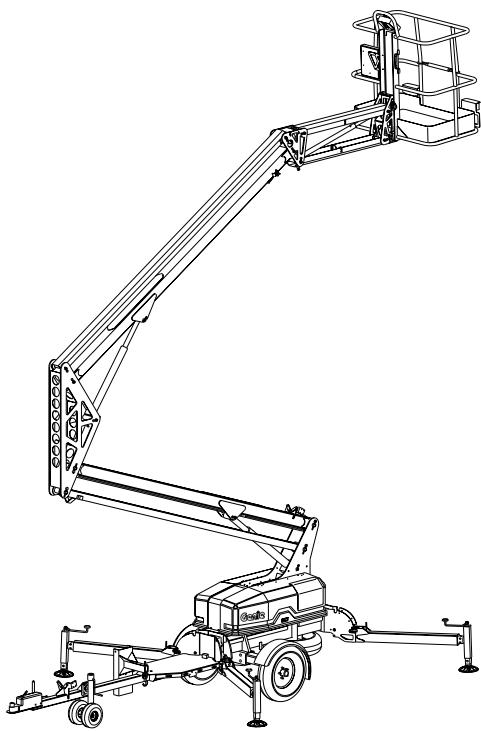


Genie[®] Industries



Genie[®] TMZ-34/19 Genie[®] TMZ-12/6

Parts Manual



First Edition, Second Print (B1)
Part No. 52074

Genie[®] TMZ-34/19

Genie[®] TMZ-12/6

This parts manual covers the Genie TMZ-34/19 & Genie TMZ-12/6 models introduced in 1998.

The model designation TMZ-34/19 is used for units distributed within North America. The model designation TMZ-12/6 refers to units distributed outside of North America.

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Table of Contents

Recommended Parts Stocking List	v
How To Order Parts	vi
Service Parts Fax Order Form	vii

Section One Decals And Paint

Figure 1-A Decals and Paint - View 1	1-2
Figure 1-B Decals and Paint - View 2	1-6

Section Two Base Components

Figure 2-A Base - View 1	2-2
Figure 2-B Base - View 2	2-6
Figure 2-C Extendable Wheel Axle and Hub (before serial number 80)	2-8
Figure 2-D Extendable Wheel Axle and Hub (after serial number 79)	2-10
Figure 2-E Fixed Width Axle and Hub	2-12
Figure 2-F Fixed Width Axle and Hub - Knott, CE	2-14
Figure 2-G Hitch Assembly - Standard	2-16
Figure 2-H Hitch Assembly - Knott, CE	2-18
Figure 2-I Hitch Options	2-20
Figure 2-J Outrigger Assembly	2-24
Figure 2-K Hydraulic Brake	2-28
Figure 2-L Mechanical Brake - Knott, CE	2-30
Figure 2-M Parking Brake - Domestic	2-32
Figure 2-N Parking Brake - Knott, CE	2-34

Section Three Turntable Components

Figure 3-A Turntable Components	3-2
Figure 3-B Turntable - Ground Control Side	3-4
Figure 3-C Turntable - Hydraulic Power Unit Side	3-6
Figure 3-D Ground Controls	3-8
Figure 3-E Battery Charger	3-12
Figure 3-F Hydraulic Power Unit	3-14
Figure 3-G Battery Pack Module	3-16

Section Three Turntable Components (continued)

Figure 3-H Turntable Covers	3-18
Figure 3-I Power Cables - Turntable	3-20
Figure 3-J Hydraulic Hoses and Fittings	3-22

This Table of Contents continues. Please turn the page.

TABLE OF CONTENTS - CONTINUED

Section Four	Boom Components	
Figure 4-A	Secondary Boom - View 1	4-2
Figure 4-B	Secondary Boom - View 2	4-4
Figure 4-C	Primary Boom	4-6
Figure 4-D	Jib Boom	4-8
Figure 4-E	Wire Harness - Taillights	4-12
Section Five	Platform Components	
Figure 5-A	Platform Installation	5-2
Figure 5-B	Light Bar Bracket - CE	5-6
Figure 5-C	Platform Controls	5-8
Section Six	Accessories	
Figure 6-A	Material Lift (before serial number 441)	6-2
Figure 6-B	Material Lift (after serial number 440)	6-4
Figure 6-C	Spare Tire Options	6-6
Figure 6-D	Airline to Platform	6-8
Figure 6-E	Operator Warning Light	6-10
Figure 6-F	French Load Sensing Option	6-12
Figure 6-G	Hitch Extension	6-14
Numeric Index	7-1

Recommended Parts Stocking List

How To Use This List

The service parts listed below have been divided into four priority groups: A, B, C and D. Use the group code and quantities listed to plan enough inventory to support your fleet. The quantities shown are recommended for 1 to 5 machines. Many of these service parts are common to other Genie products.

Group A

Part No.	Description	Qty.
49613	Plug and Cap Kit (services ORFS fittings)	2
33994	Plug and Cap Kit (services SAE ports)	2
49612	O-Ring Kit (services ORFS fittings)	2
28750	O-Ring Kit (services SAE fittings, HydraForce, Compact Controls and Sun Valves)	2
52224	Valve - Relief	2
52292	Valve - Solenoid	2
52227	Valve - Needle	2
43432	Shim - Wear Pad, Before Serial Number 80	5
59563	Shim - Wear Pad, After Serial Number 79	5
43430	Wear Pad - Axle, Before Serial Number 80	3
55052	Wear Pad - Axle, After Serial Number 79	3
52253	Shoe and Lining Kit	2
52256	Outer Bearing Cup	2
52257	Outer Bearing Cone	2
52258	Washer - Spindle	2
52263	Inner Bearing Cup	2
52264	Inner Bearing Cone	2
52265	Seal - Grease	2
52314	Filter - Hydraulic Fluid	5

Group B

Part No.	Description	Qty.
28688	Switch - Limit	4
41855	Switch - Outrigger	4
59500	Motor - Hydraulic, Rotate	1
65320	Seal Kit - Hydraulic Rotate Motor	1
52304	Seal Kit - Primary Cylinder	1
52305	Seal Kit - Jib Cylinder	1
43390	Controller	1
41880	Valve - Solenoid, N.C., Bi-directional	3
29732	Contact - N.C.	5
33321	Push Button with Base - Red Mushroom Head	5
33574	Keyswitch - Three Position with Base	5
52333	Fuse, 5A	5
65324-S	Wire Harness - Taillights, Jib to Taillights	1
58918	Wire Harness - Platform, Jib to Platform Controls	1

Group C

Part No.	Description	Qty.
48729	Decal Kit - Safety/Instructional	3
40624	Wheel and Tire Assembly, Pneumatic, 10 inches	1

Group A parts are required to perform maintenance procedures as outlined in the Genie TMZ-34/19 and Genie TMZ-12/6 Service Manual.

Group B parts solve 75% of machine troubleshooting issues.

Group C parts affect the safe operation of the machine.

Group D parts are common replacement items.

Group C continued

Part No.	Description	Qty.
52351	Tire, 185/80, 13 inches, Load Range C	2
43469	Screw Jack, Tongue	1
52135	Side Light Assembly	5
52273	Taillight - Power Unit Side	5
52274	Taillight - Ground Control Side	5
46715	Chain - Safety	2
65331-S	Handle - Lock, Axle Retract	1
52138	Fender with Decal	1
32375	Pin - Lock, Long	2
41870	Screw Jack - Outrigger	1
45383	Alarm - Warble Tone, 15-36V AC/DC	5
19270	Alarm - Warble Tone, 12V DC	5
52291	Outrigger Assembly with Decal	2
55044	Brake - Hose	1
52188	Lever Assembly - Parking Brake	2
52341	Parking Brake - Complete	1
44704	Sensor - Level	1
52285	Ground Control Box - Complete	1
44674	Ground Control Box Lid with Decal	1
52284	Platform Control Box Assembly - Complete	1
52288	Platform Control Box Lid with Decal	1
46277	Operator's Manual, Genie TMZ-34/19 & 12/6	5

Group D

Part No.	Description	Qty.
41873	Foot - Outrigger, Rubber	4
41807	Wear Pad - Alignment	2
46424	Wear Pad - Jib Stop	1
48228	Wear Pad - Jib Reinforcement	1
44658	Lock Pin	2
55040	Charger - Battery, 24V	1
46722	Wrench - Lug	3
62201	Battery - Dry, 6V, 225AH Group T105UT	2
44710	Cable Assembly - Battery to Anderson Plug	1
44711	Cable Assembly - Anderson Plug to Motor	1
44716	Handle - Anderson Connector	2
52139	Cover Assembly - Ground Control Side	1
52140	Cover Assembly - Power Unit Side	1
43471	Gas Strut with Ball Stud	2
52293	Key - Locking Latch	5
37947	Key - Keyswitch (package of 10 keys)	1

How To Order Parts

How To Order Service Parts

Please be prepared with the following information when ordering replacement parts for your Genie product:

- Machine model number
- Machine serial number
- Genie part number
- Part description and quantity
- Purchase order number
- "Ship To" address
- Desired method of shipment
- Name and telephone number of the authorized Genie Distributor in your area

If you don't know the name of your authorized distributor, or if your area is not currently serviced by an authorized distributor, please call Genie.

Use the Service Parts Fax Order Form on the next page and fax your order to our Parts Department.

Genie North America

Telephone (425) 881-1800
 Toll Free 800 536-1800 in U.S.A.
 Toll Free 800 426-8089 in Canada
 Fax (425) 556-8659

Genie Europe

Office Telephone (44) 01636-605030
 Office Fax (44) 01636-611090
 Parts Telephone (44) 01636-605002
 Parts Fax (44) 01636-611091

Machine Information

Model

Serial Number

Date of Purchase

Authorized Genie Distributor

Phone Number

Manuals

Genie Industries offers the following support documents for this machine:

Title	Part No.
Genie TMZ-34/19 & Genie TMZ-12/6 Operator's Manual	46277
Genie TMZ-34/19 & Genie TMZ-12/6 Service Manual	52075
EMI Safety Manual	27581
Manual of Responsibilities	
ANSI A92.5-1992	31779



Service Parts Order Form
Fax to (425) 556-8659

Please fill out completely

Date _____

Account Number _____

Your Name _____

Your Fax Number _____

Bill To _____

Ship To _____

Purchase Order Number _____ Ship Via _____

Model(s) _____ **Serial No.(s)** _____

Optional Equipment _____

Part Number	Description	Quantity	Price

All backordered parts will be shipped when available via the same ship method as the original order unless noted below:

- Ship complete order only - no backorders
 - Ship all available parts and contact customer on disposition of backordered parts
 - Other (please specify)
-
-

For GENIE INDUSTRIES USE ONLY

Order Number _____ Origin Code _____ Comments _____

Date Scheduled _____ Ship Condition _____

Order Total _____ Terms Code _____

Notes

Section One

Decals and Paint

Figure 1-A

Decals and Paint - View 1

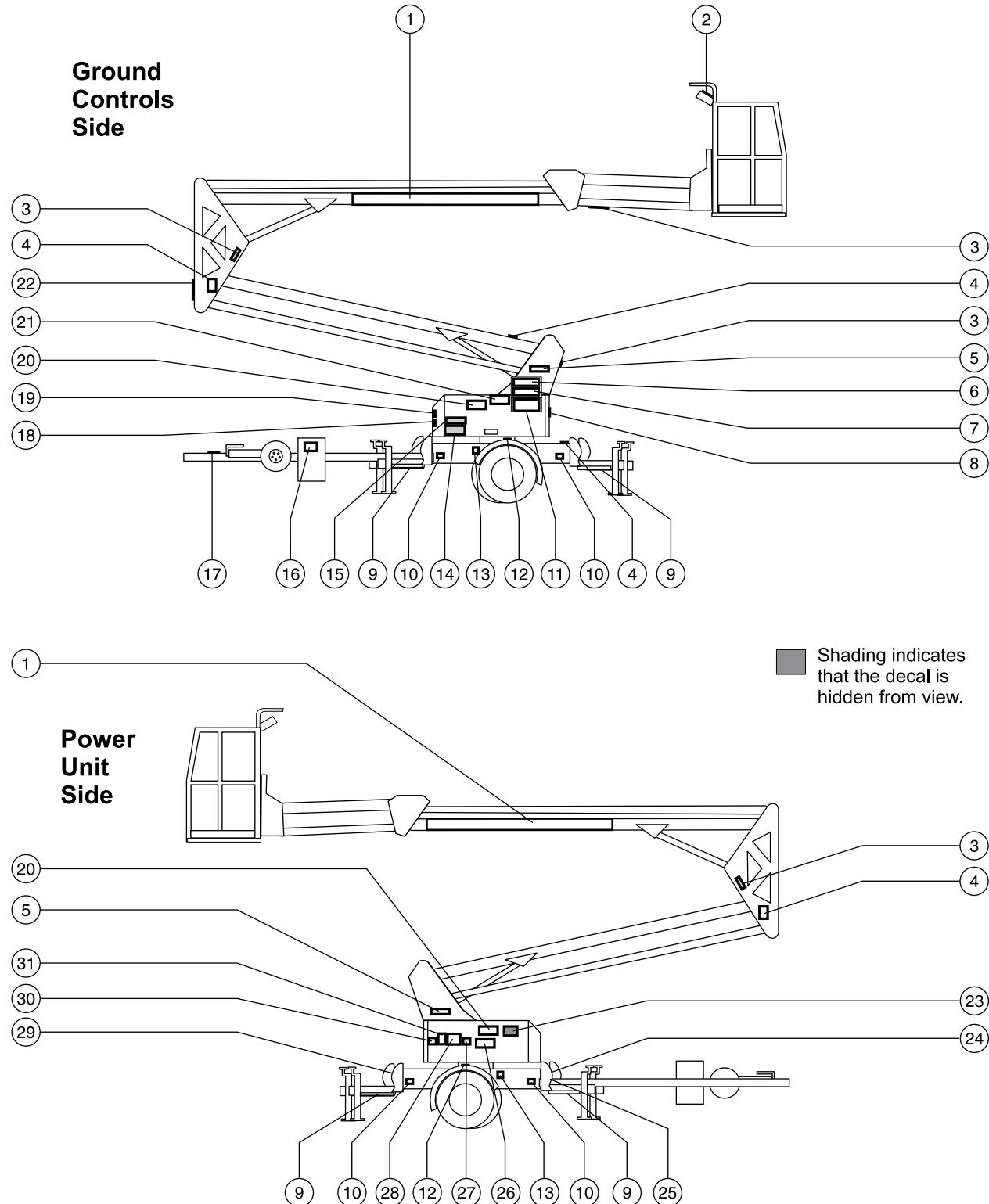


FIGURE 1-A

Index	Part No.	Description	Quantity This Figure
-	48729	Decal Kit - Safety / Instructional (includes index numbers 2 through 7, 10 through 12, 14 through 16, 18 through 22, 25, 26 and 28 through 30)	-
-	32150	Paint - Genie Blue, 1 Gallon (3.78 liters)	-
-	1484	Paint - Genie Blue, 12 Ounces (340.5 grams) Aerosol	-
1	62066	Cosmetic Decal - TMZ-34/19	2
-	52987	Cosmetic Decal - TMZ-12/6	2
2	48730	Decal - Platform Control Panel	1
3	37145	Label - Manual Lowering Valve	4
4	28161	Warning - Crush Hand	4
5	52004	Label - Interlock Lights	2
6	48720	Notice - Operating Instructions, Ground Controls	1
7	49918	Notice - Material Lift Operating Instructions (if equipped)	1
8	49910	Serial Plate - TMZ Model	1
9	33550	Safety Tape - Black/Yellow Striped (Roll, 54 feet) (16.5 m)	1
10	52475	Label - Transport Tie-down	4
11	46276	Decal - Ground Control Panel	1
12	48724	Warning - Towing Hazard	2
13	48725	Notice - Tire Specifications (Domestic and CSA Models)	2
-	52684	Notice - Tire Specifications (CE Models)	-
14	48726	Notice - Operating Instructions, Battery Charger	1
15	48727	Danger - Battery/Charger Safety	1
16	35579	Notice - Maximum Capacity, Material Lift, 500 lbs (227 kg) (if equipped) (ANSI and CE)	1
-	62722	Notice - Maximum Capacity, Material Lift, 440 lbs (200 kg) (if equipped) (CSA)	-
17	48723	Label - Parking Brake, Domestic	1
-	52557	Label - Parking Brake, CE	-
18	48734	Notice - Battery Connection Diagram	1
19	48733	Danger - Tip-over (batteries)	1
20	27564	Danger - Electrocution Hazard	2

This parts list continues. Please turn the page.

FIGURE 1-A

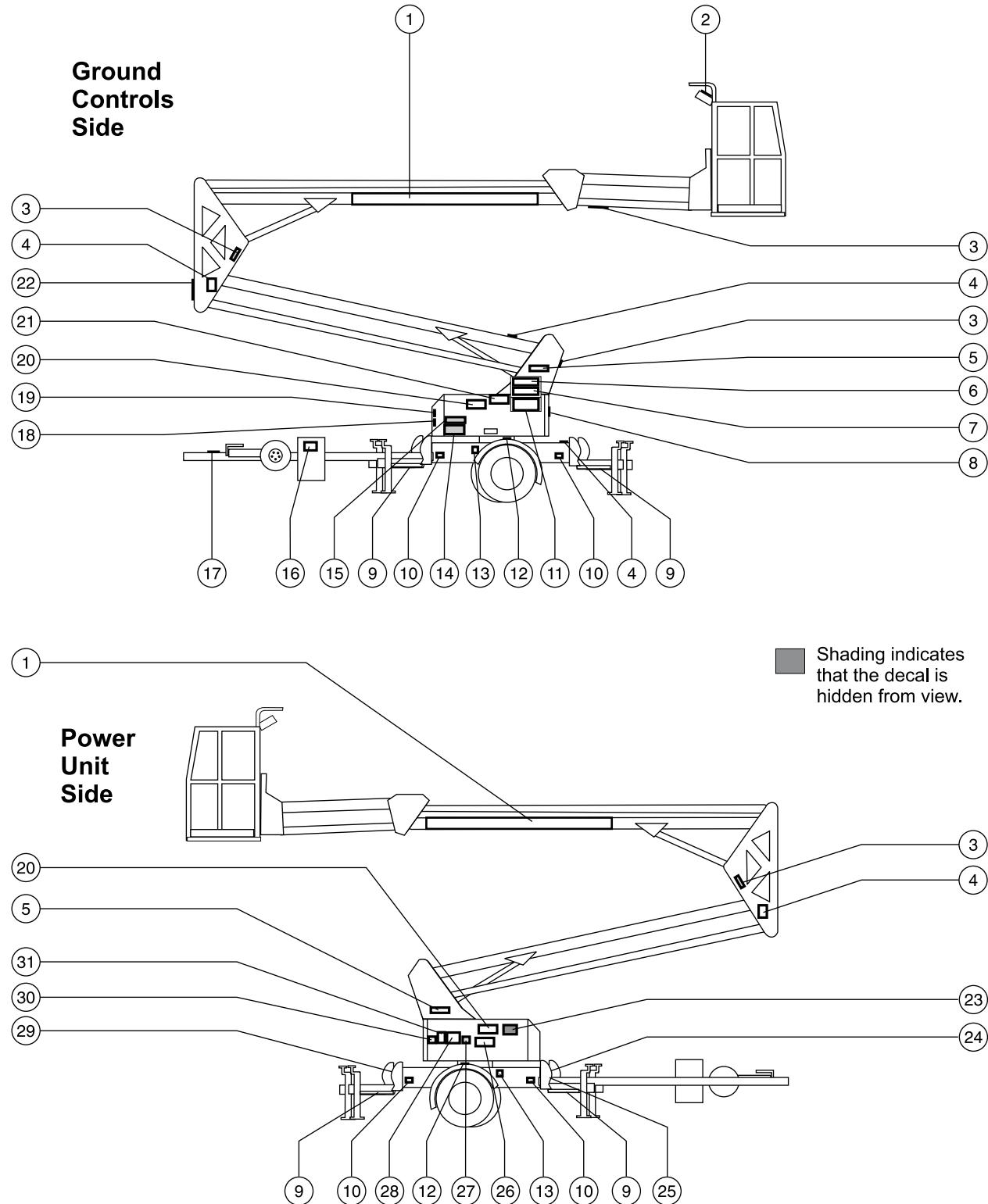


FIGURE 1-A

Index	Part No.	Description	Quantity This Figure
21	52008	Danger - General Safety, Ground	1
22	48722	Notice - Transport Instructions	1
23	52496	Notice - Manual Rotation Instructions	1
24	28174	Label - Power to Platform, 230V	1
-	28235	Label - Power to Platform, 115V	1
25	43658	Notice - Power to Battery Charger, 230V	1
-	44980	Notice - Power to Battery Charger, 115V	1
26	52495	Notice - Manual Lowering Instructions	1
27	28157	Label - Dexron	1
28	28175	Caution - Compartment Access	1
29	31060	Danger - Do Not Alter Limit Switch	1
30	28171	Label - No Smoking	1
31	28164	Notice - Hazardous Materials	1

Figure 1-B

Decals and Paint - View 2

■ Shading indicates
that the decal is
hidden from view.

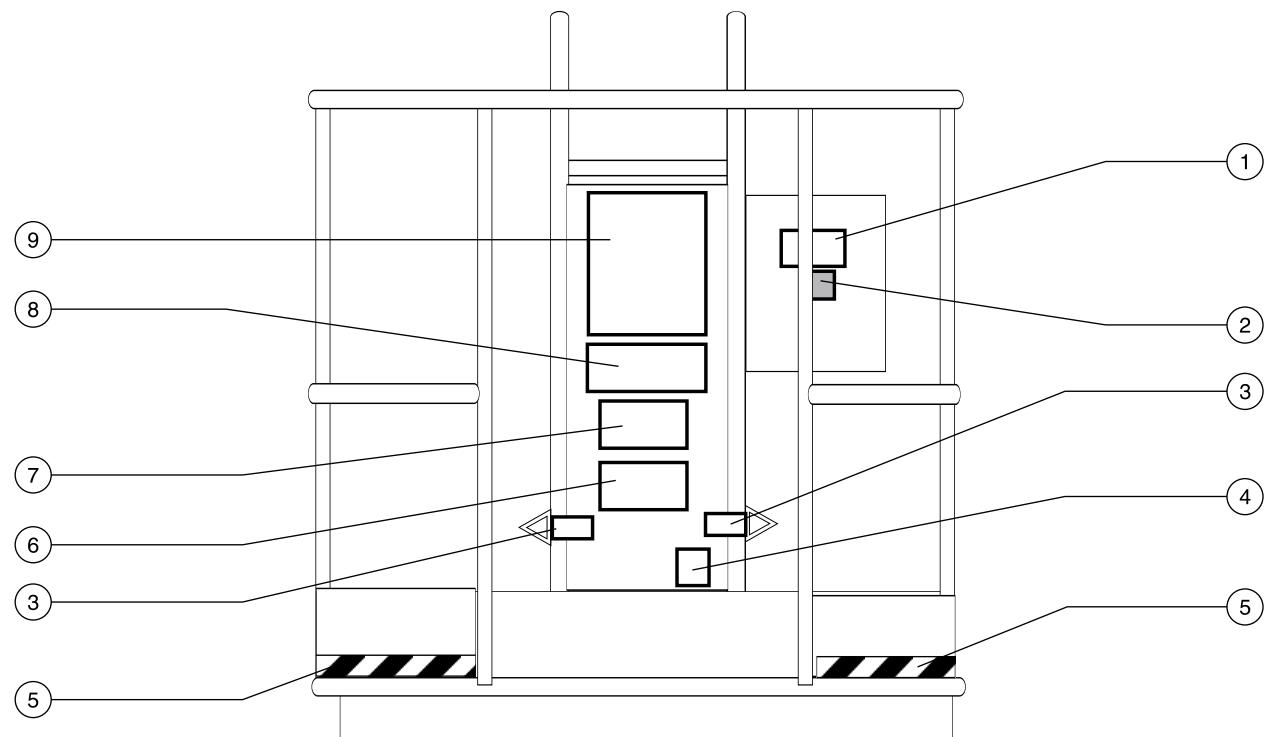


FIGURE 1-B

Index	Part No.	Description	Quantity This Figure
-	48729	Decal Kit - Safety/Instructional (includes index numbers 1 through 3, 8 and 9)	-
-	32150	Paint - Genie Blue, 1 Gallon (3.78 liters)	-
-	1484	Paint - Genie Blue, 12 Ounces (340.5 grams) Aerosol	-
1	28236	Warning - Failure to Read Manual	1
2	28176	Notice – Missing Manuals	1
3	40434	Label - Lanyard Anchorage Point	2
4	28174	Label - Power to Platform, 230V AC	1
-	28235	Label - Power to Platform, 115V AC	1
5	33550	Safety Tape - Black/Yellow Striped (Roll, 54 feet) (16.5 m)	1
6	44986	Notice - Side Force 90 lbs/400N (CE)	1
-	37051	Notice - Side Force 150 lbs/667N (ANSI & CSA)	1
7	37052	Notice - Maximum Load 500 lbs (227 kg) (ANSI and CE models)	1
-	44248	Notice - Maximum Load 440 lbs (200 kg) (CSA and models)	
8	48721	Notice - Operating Instructions, Platform Controls	1
9	48719	Danger - General Safety Rules	1

Notes

Section Two

Base Components

Figure 2-A

Base - View 1

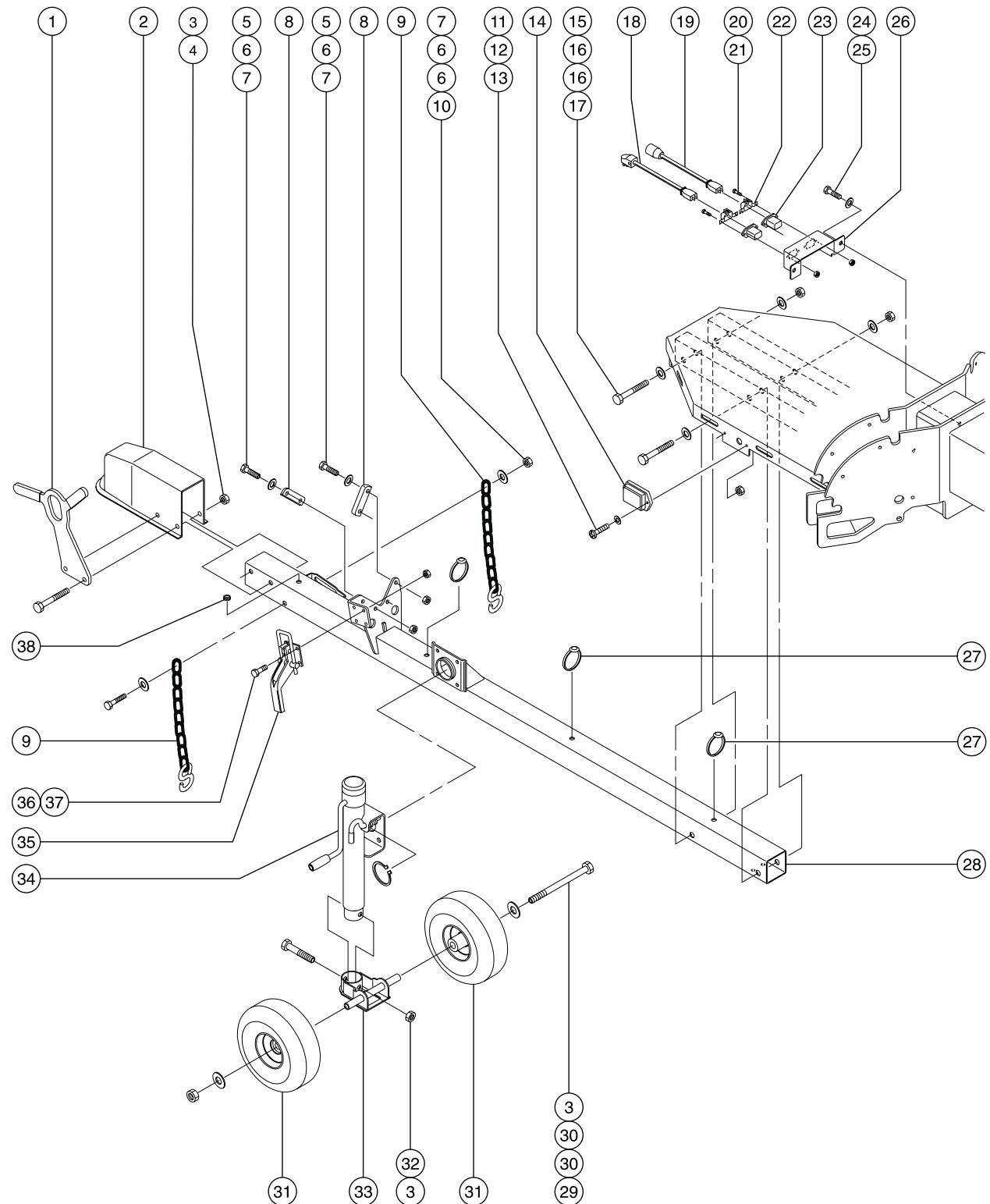


FIGURE 2-A

Index	Part No.	Description	Quantity This Figure
1	46148	Handle - Tongue, Standard (shown) (includes plastic covers)	1
-	44733	Cover - Handle, Plastic	-
2	Ref.	Hitch Assembly (refer to Figure 2-G)	-
3	49366	Nut - Nylock, M12 x 1.75 mm	4
4	49383	Screw - HHC, M12 x 1.75 x 120 mm, GR 8.8	2
5	25548	Screw - HHC, M10 x 1.5 x 40 mm, GR 8	4
6	22699	Washer - Flat, M10	6
7	22736	Nut - Lock, M10 x 1.5 mm	5
8	41807	Wear Pad, 3.25 x 0.5 x 1 inch (8.26 x 1.27 x 2.54 cm)	2
9	46715	Safety Chain (includes hook)	2
10	55043	Screw - HHC, M10 x 1.5 x 120 mm, GR 8.8	1
11	49417	Screw - PHM, M5 x 0.8 x 16 mm, GR 4.8	4
12	49413	Washer - Flat, M5	4
13	27082	Nut - Nylock, M5 x 0.8 mm	4
14	52135	Marker Light Assembly with Bulb	2
-	65206	Lens - Marker Light Assembly	-
-	65231	Bulb, 14V DC	-
15	49400	Screw - HHC, M16 x 2 x 220, GR 8.8	2
16	49414	Washer - Fender, M16	4
17	49362	Nut - Nylock, M16 x 2 mm	2
18	55018	Power Cord - United Kingdom & Ireland, 250V, 13A (shown)	-
-	55021	Power Cord - United States & Canada, 125V, 13A	1
-	55019	Power Cord - Continental Europe, 250V, 10A	-
-	55020	Power Cord - England, 240V, 16A	-
-	55033	Power Cord - Italy, 250V, 10A	-
-	55034	Power Cord - Japan, 125V, 15A	-
-	55035	Power Cord - Israel, 250V, 10A	-
-	55036	Power Cord - India, 250V, 10A	-
-	55037	Power Cord - Denmark, 250V, 10A	-
-	55038	Power Cord - Australia, 250V, 10A	-
-	55039	Power Cord - Switzerland, 250V, 10A	-
19	65308-S	Power Cord - United Kingdom, 125V, 13A	1
20	49374	Screw - PHM, M3 x 0.5 x 10 mm, GR 4.8 (United Kingdom)	4
-	49374	Screw - PHM, M3 x 0.5 x 10 mm, GR 4.8 (Domestic and CE)	2

This parts list continues. Please turn the page.

FIGURE 2-A

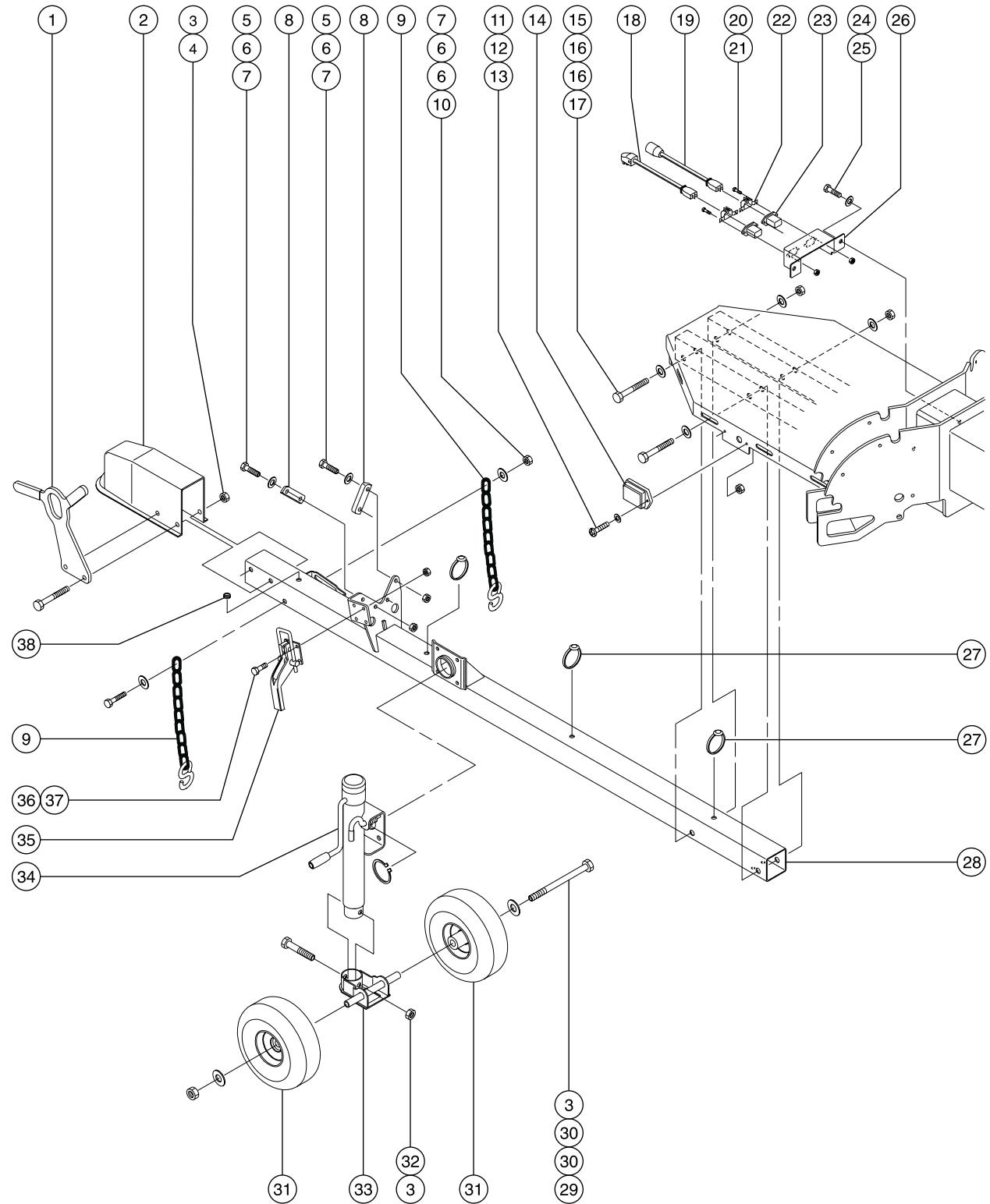


FIGURE 2-A

Index	Part No.	Description	Quantity This Figure
21	49368	Nut - Nylock, M3 x 0.5 mm (United Kingdom)	4
-	49368	Nut - Nylock, M3 x 0.5 mm (Domestic and CE)	2
22	55010	Lock - Connector	1
23	46440	Connector - IEC 320 Inlet	1
-	46441	Pin - Connector, IEC 320 Inlet	-
-	55024	Wire Harness - Power to Platform, Base to Platform (CE only)	-
24	49387	Screw - HHC, M10 x 1.5 x 12 mm, GR 8.8	2
25	22700	Washer - Lock, M10	2
26	55063	Housing - Power Inlet, CE (shown, United Kingdom only, two connector openings)	1
-	46714	Housing - Power Inlet (Domestic and CE, one connector opening)	-
27	40928	Cable Tie - Button, 10 inches (25.4 cm)	3
28	65321-S	Tongue Assembly with Decal (models with hydraulic brakes and standard hitch assembly) (includes index numbers 5 and 8 and 4 each of index number 6) (decals are listed in Section One)	1
-	65322-S	Tongue Assembly with Decal (models with hydraulic brakes and combination hitch assembly) (includes index numbers 5 and 8 and 4 each of index number 6) (decals are listed in Section One)	-
-	65323-S	Tongue Assembly with Decal (CE models with mechanical brakes) (includes index numbers 5 and 8 and 4 each of index number 6) (decals are listed in Section One)	-
29	49402	Screw - HHC, M12 x 1.75 x 220 mm, GR 8.8	1
30	49410	Washer - Flat, M12	2
31	40624	Wheel and Tire Assembly - Pneumatic, 10 inches	2
-	52132	Wheel with Bearings	-
-	52133	Tire and Tube	-
32	49382	Screw - HHC, M12 x 1.75 x 70 mm, GR 8.8	1
33	44653P	Mount - Wheel, Tongue Jack	1
34	43469	Tongue Jack	1
-	52289	Snap Ring - External, 2.32 inches (5.89 cm)	-
35	43456	Clamp - Boom Hold Down	1
36	49379	Screw - HHC, M8 x 1.25 x 25 mm, GR 8.8	4
37	25368	Nut - Nylock, M8 x 1.25 mm	6
38	24647	Grommet - Rubber, 0.375 I.D. x 0.788 O.D. (9.5 I.D. x 20 O.D. mm)	1

Figure 2-B

Base - View 2

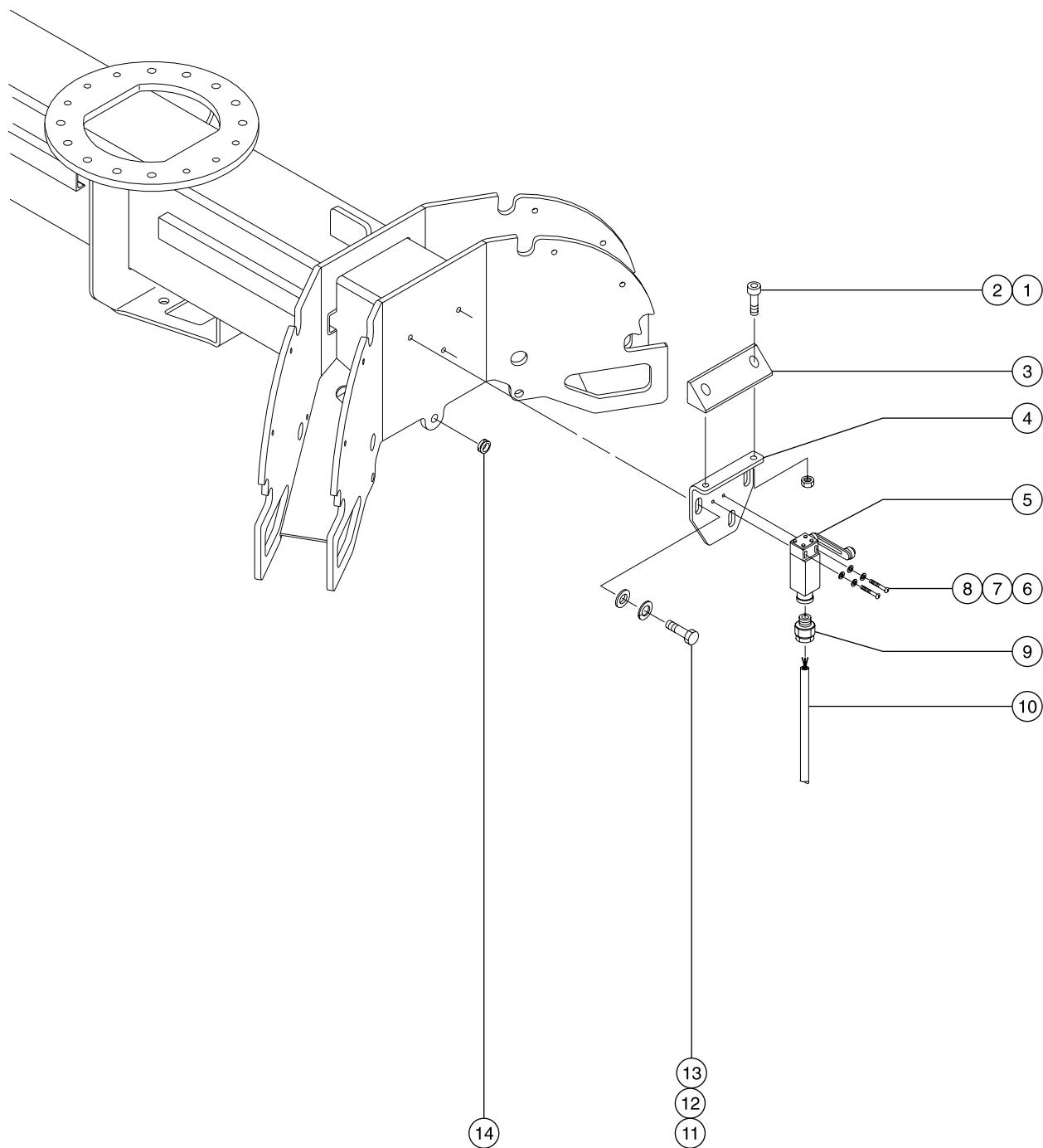


FIGURE 2-B

Index	Part No.	Description	Quantity This Figure
1	55014	Screw - SHC, M8 x 1.25 x 25 mm, GR 12.9	2
2	25368	Nut - Nylock, M8 x 1.25 mm	2
3	46424	Wear Pad - Jib Stop, 5.5 x 1.5 x 1.5 inches (14 x 4 x 4 cm)	1
4	43424P	Bracket - Jib Cradle	1
5	28688	Limit Switch	1
-	19491	Contact - Limit Switch	-
-	65183	Roller Arm - Limit Switch	-
6	49372	Screw - PHM, M4 x 0.7 x 30 mm, GR 4.8	2
7	49406	Washer - Lock, M4	2
8	49412	Washer - Flat, M4	2
9	55010	Squeeze Connector, 1/2 inch	1
10	44697	Wire Harness - Power	1
11	22548	Screw - HHC, M10 x 1.5 x 40 mm, GR 8.8	3
12	22700	Washer - Lock, M10	3
13	22699	Washer - Flat, M10	3
14	46426	Grommet, 0.38 x 0.38 x 0.5 inch (9.6 x 9.6 x 12.7 mm)	1

Figure 2-C

Extendable Wheel Axle and Hub (before serial number 80)

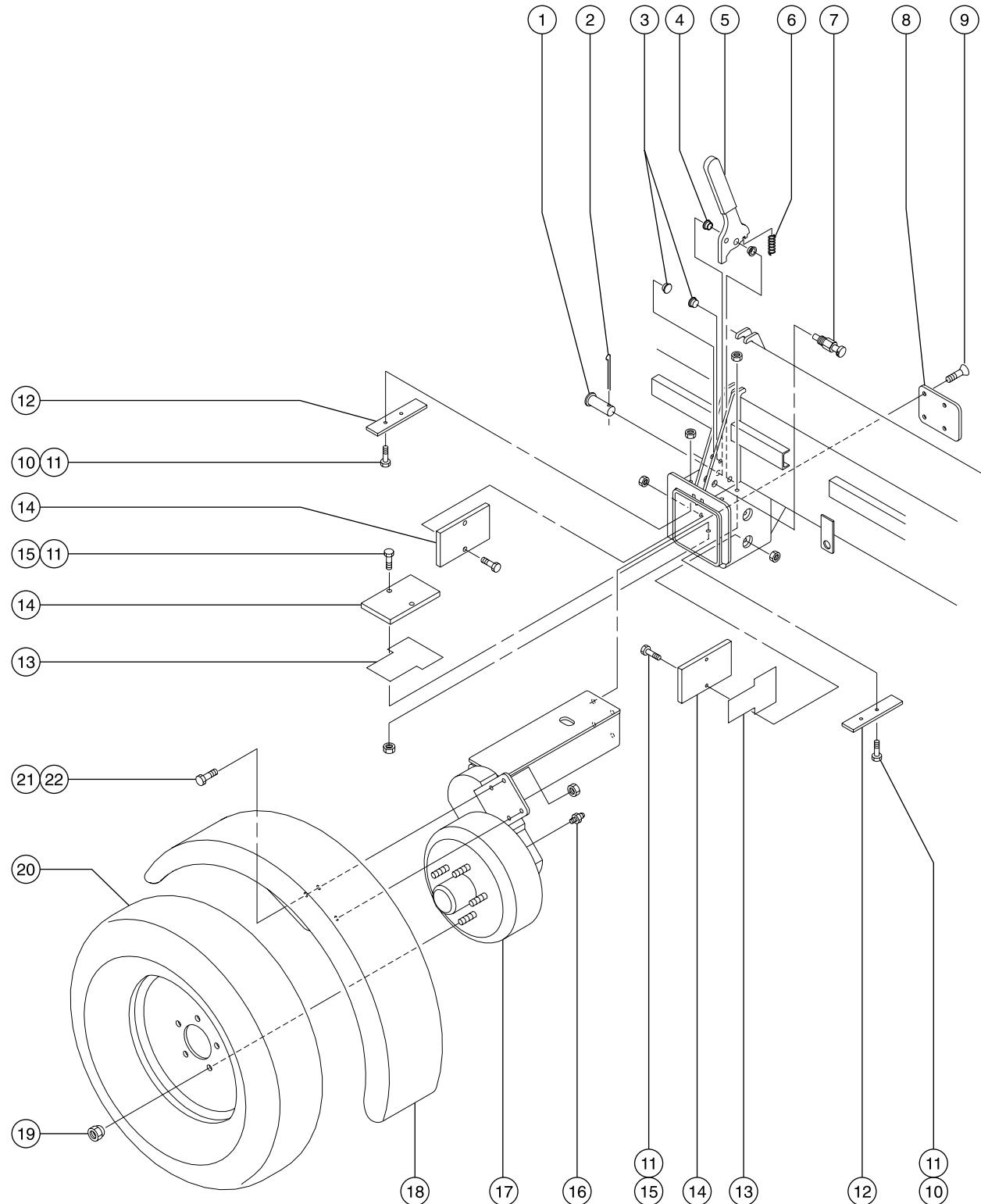


FIGURE 2-C

Index	Part No.	Description	Quantity This Figure
1	46157	Pin - Clevis, 0.375 x 1.5 inches (9.53 x 38.1 cm)	2
2	12016	Pin - Cotter, 0.125 x 0.75 inch (3.18 x 19.05 mm)	2
3	11890	Button - Glide	4
4	44668	Bearing - Flange, 0.375 x 0.5 x 0.25 inch (9.5 x 12.7 x 1.6 mm)	4
5	52136	Handle - Lock (includes plastic cover and bearing)	2
-	44733	Cover - Handle, Plastic	-
6	44665	Spring - Lock Handle	2
7	32375	Pin - Lock, Long	2
8	38866P	Plate - Axle Stop	2
9	49397	Screw - FHS, M8 x 1.25 x 25 mm, GR 9.8	8
10	49375	Screw - HHC, M6 x 1 x 16 mm, GR 8.8	8
11	49364	Nut - Nylock, M6 x 1 mm	16
12	43430	Wear Pad - Axle, 5.50 x 1.25 x 0.25 inch (13.97 x 3.18 x 0.64 cm)	4
13	43432	Shim - Wear Pad, 0.0336 inch (0.85 mm).....	4*
-	55011	Shim - Wear Pad, 0.015 inch (0.381 mm).....	4*
14	43431	Wear Pad - Axle, 5.50 x 3.25 x 0.44 inch (13.97 x 8.26 x 1.18 cm)	6
15	22578	Screw - HHC, M6 x 1 x 20 mm, GR 8.8	8
16	28646	Fitting - Brake Bleed, 1/8 NPT	2
17	55001	Weldment - Axle, Ground Controls Side (shown)	1
-	55000	Weldment - Axle, Power Unit Side	1
18	52138	Fender with Decal (decals are listed in Section One)	2
19	46717	Nut - Lug, 1/2 -20 UNF	10
20	44650	Tire and Wheel Assembly	2
-	52252	Wheel, 13 inches	-
-	52351	Tire, 185/80, 13 inches, Load Range C	-
21	27034	Screw - HHC, M10 x 1.5 x 25 mm, GR 8.8	6
22	22726	Nut - Lock, M10 x 1.5 mm	6

*Quantity listed for this item is approximate. Actual quantity may vary to ensure proper fit.

Figure 2-D

Extendable Wheel Axle and Hub (after serial number 79)

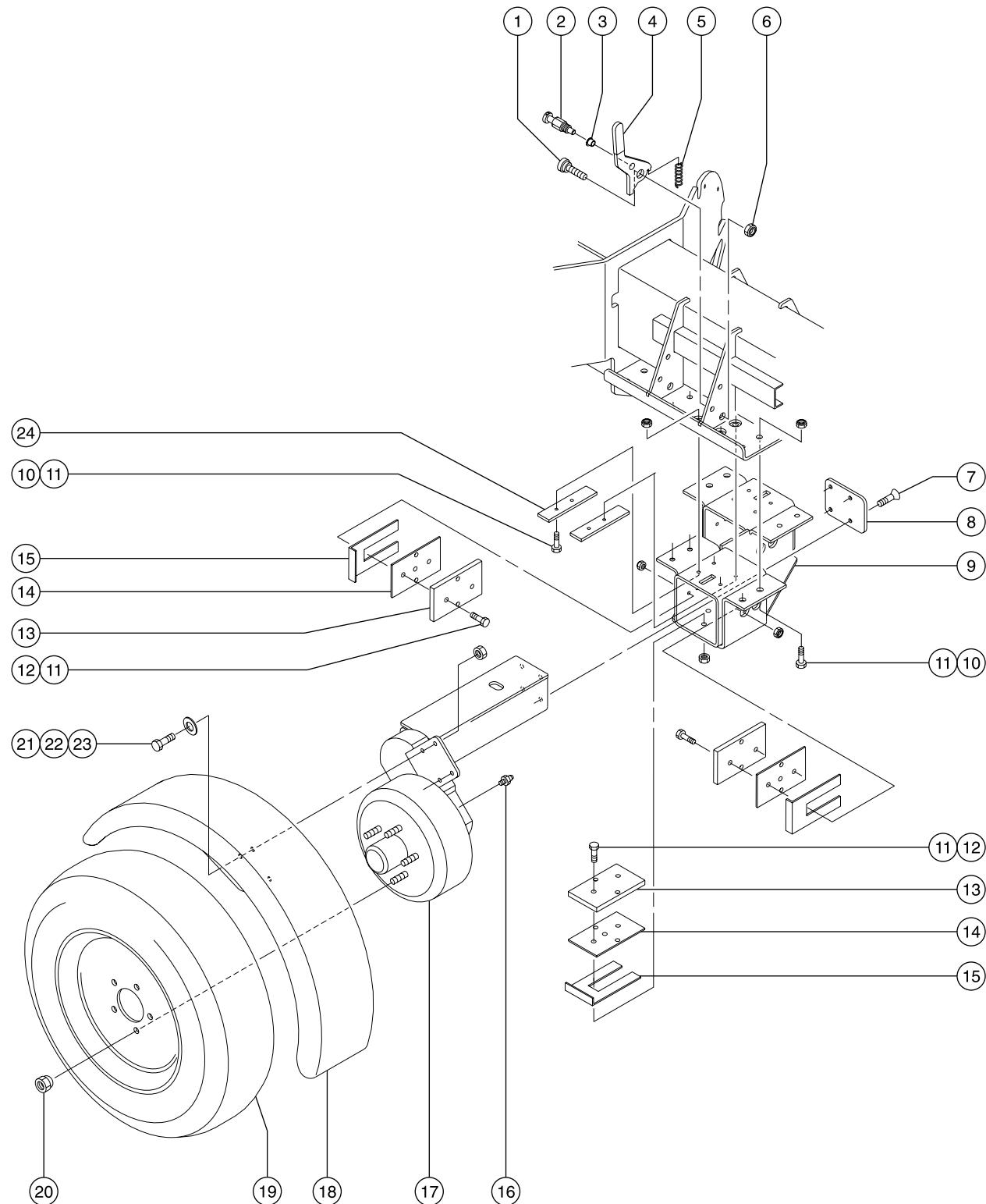


FIGURE 2-D

Index	Part No.	Description	Quantity This Figure
1	47255	Bolt - Shoulder, 5/8 -11 x 0.625 inch	2
2	32375	Pin - Lock, Long	2
3	48244	Bearing - Flange, 0.75 x 0.875 x 0.50 inch (1.9 x 2.2 x 1.3 cm)	2
4	65331-S	Handle - Lock (includes plastic cover and bearing)	2
-	44733	Cover - Handle, Plastic	-
5	44665	Spring - Lock Handle	2
6	38028	Nut - Nylock, 5/8 -11 inch	2
7	49397	Screw - FHS, M8 x 1.25 x 25 mm, GR 9.8	8
8	38866P	Plate - Axle Stop	2
9	59642-S	Weldment - Retractable Axle Mount	1
10	49375	Screw - HHC, M6 x 1 x 16 mm, GR 8.8	16
11	49364	Nut - Nylock, M6 x 1 mm	32
12	49376	Screw - HHC, M6 x 1 x 25 mm, GR 8.8	12
13	55052	Wear Pad - Axle, 5.50 x 3.25 x 0.24 inch (13.97 x 8.26 x 0.61 cm)	6
14	59564-S	Spacer - Wear Pad, 5.25 x 3.75 x 0.1046 inch (13.3 x 9.5 x 0.26 cm)	12*
15	59563	Shim - Wear Pad, Slotted, 5.31 x 3.38 x 0.0187 inch (13.4 x 8.6 x 0.05 cm)	12*
16	28646	Fitting - Brake Bleed, 1/8 NPT	2
17	55001	Weldment - Axle Arm, Ground Control Side (shown)	1
-	55000	Weldment - Axle Arm, Power Unit Side	-
18	52138	Fender with Decal (decals are listed in Section One)	2
19	44650	Tire and Wheel Assembly	1
-	52252	Wheel, 13 inches	-
-	52351	Tire, 185/80, 13 inches, Load Range C	-
20	46717	Nut - Lug, 1/2 -20 UNF	10
21	44064	Screw - HHC, M10 x 1.5 x 30 mm, GR 8.8	6
22	22699	Washer - Flat, M10	6
23	22736	Nut - Nylock, M10 x 1.5 mm	6
24	55051	Wear Pad - Axle, 5.50 x 1.25 x 0.25 inch (13.97 x 3.18 x 0.64 cm)	4

*Quantity listed for this item is approximate. Actual quantity may vary to ensure proper fit.

Figure 2-E

Fixed Width Axle and Hub

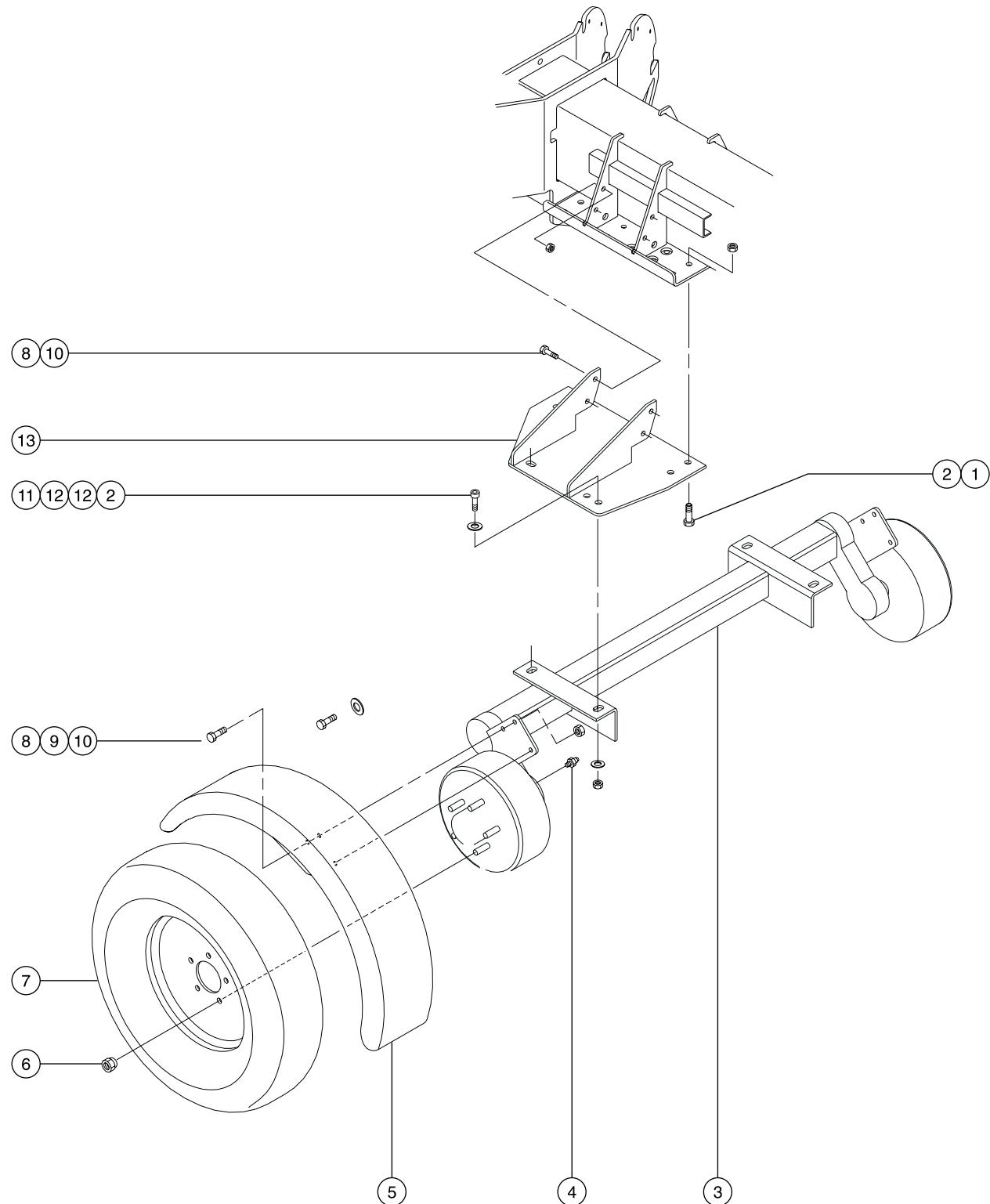


FIGURE 2-E

Index	Part No.	Description	Quantity This Figure
1	49381	Screw - HHC, M12 x 1.75 x 30 mm, GR 8.8	8
2	49366	Nut - Nylock, M12 x 1.75 mm	12
3	55006	Axle - Fixed Width	1
4	28646	Fitting - Grease, 1/8 NPT	2
5	52138	Fender	2
6	46717	Nut - Acorn, 1/2 -20 UNF	10
7	44650	Tire and Wheel Assembly	2
-	52252	Wheel, 13 inches	-
-	52351	Tire, 185/80 D13, 13 inches, Load Range C	-
8	44064	Screw - HHC, M10 x 1.5 x 30 mm, GR 8.8	14
9	22699	Washer - Flat, M10	6
10	22736	Nut - Nylock, M10 x 1.5 mm	6
11	49390	Screw - SHC, M12 x 1 x 45 mm	4
12	49410	Washer - Flat, M12	8
13	48245-S	Weldment - Axle Mounting Bracket, Ground Controls Side (shown)	1
-	55009-S	Weldment - Axle Mounting Bracket, Power Unit Side	1

Figure 2-F

Fixed Width Axle and Hub - Knott, CE

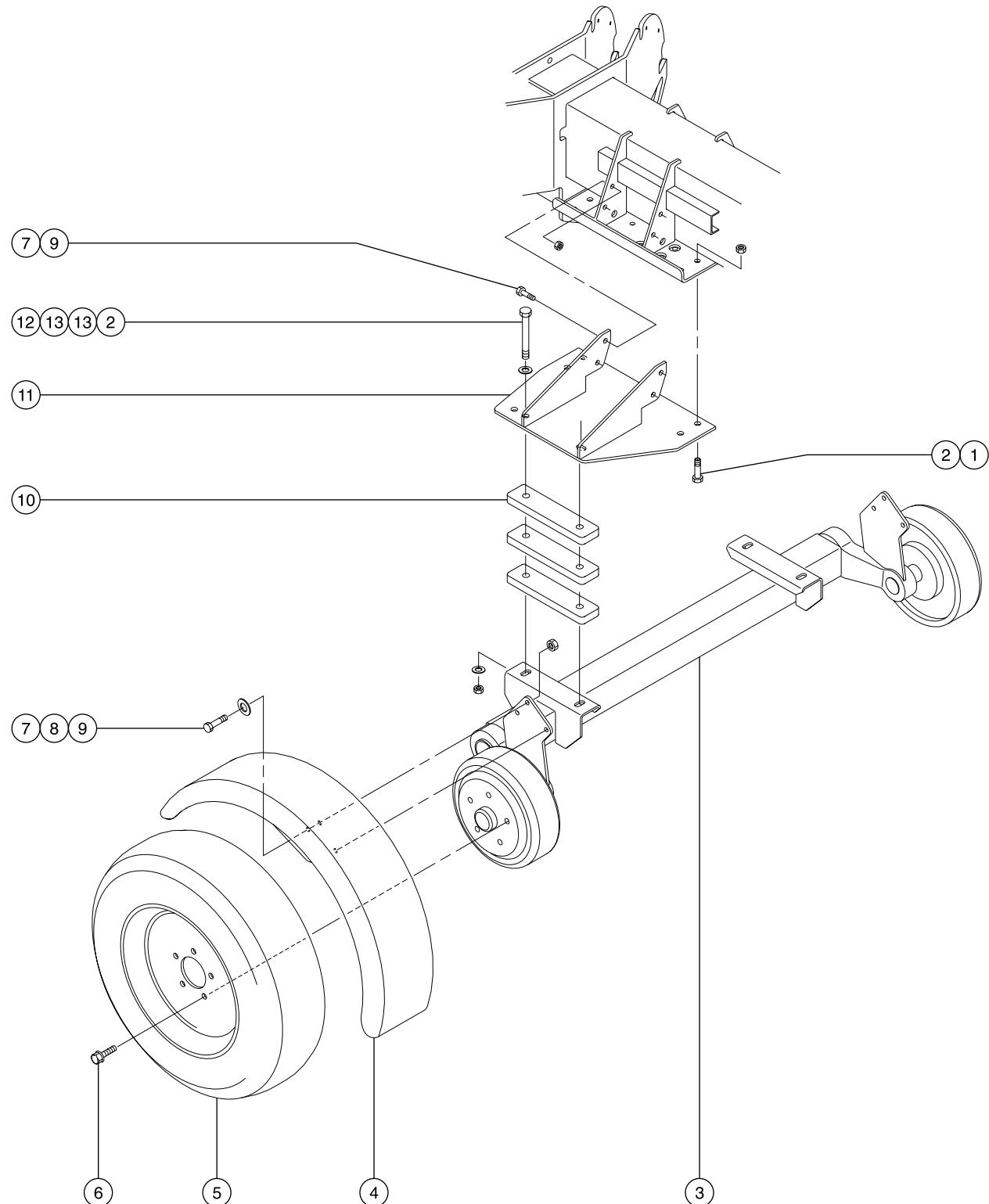


FIGURE 2-F

Index	Part No.	Description	Quantity This Figure
1	49381	Screw - M12 x 1.75 x 30 mm, GR 8.8	8
2	49366	Nut - Nylock, M12 x 1.75 mm	8
3	55054	Axle - Fixed, European	1
4	55060-S	Fender Weldment, European	2
5	55087	Tire and Wheel Assembly, European	2
-	65333	Wheel, 15 inches	-
-	65334	Tire - European, 195/65R15, Load Range 91	-
6	55140	Bolt - Lug, M12 x 1.75 x 20 mm	10
7	44064	Screw - HHC, M10 x 1.5 x 30 mm	6
8	22699	Washer - Flat, M10	6
9	22736	Nut - Nylock, M10 x 1.5 mm	6
10	59717	Plate - Mechanical Axle Spacer	6
11	48245-S	Weldment - Fixed Axle Mounting Bracket, Ground Controls Side (shown)	1
-	55009-S	Weldment - Fixed Axle Mounting Bracket, Power Unit Side	1
12	49382	Screw - HHC, M12 x 1.75 x 70 mm	8
13	49410	Washer - Flat, M12	16

Figure 2-G

Hitch Assembly - Standard

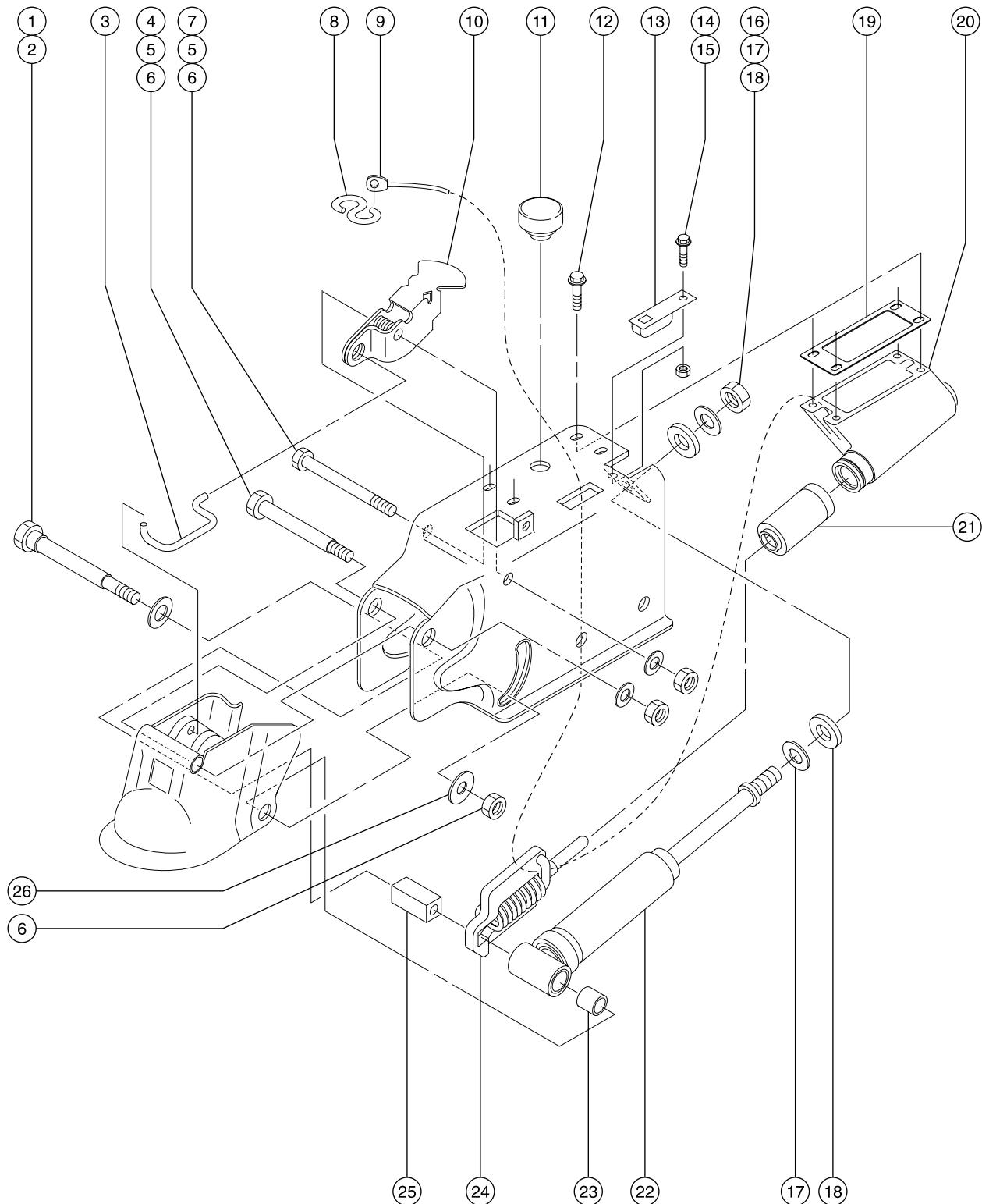


FIGURE 2-G

The components for this hitch are not available individually. They are available by purchasing any of the kits listed below. Please use the list at the bottom to identify the components that are included in each kit.

Index	Part No.	Description	Quantity This Figure
–	44651	Hitch Assembly - Complete	—
–	52143	Shock Absorber Replacement Kit	—
–	52144	Master Cylinder Push Rod Kit	—
–	52145	Cap	—
–	52146	Master Cylinder Replacement Kit	—
–	52147	Shoulder Bolt Replacement Kit	—
–	52148	Release Handle Replacement Kit	—
–	52149	Stop and Spring Assembly Replacement Kit	—
–	52150	Push Rod Assembly Replacement Kit	—
–	52151	Boot Replacement Kit	—

Use this list to identify the components in Figure 2-G

Item	Description	Included in Kit Number	Item	Description	Included in Kit Number
1	Bolt - Shoulder	52147	14	Screw	52149
2	Washer	52147	15	Nut	52149
3	Clip - Release Handle	52148	16	Nut	52143 and 52149
4	Bolt - Shoulder	52148	17	Washer	52143 and 52149
5	Washer	52143, 52144, 52146, 52149, 52150 and 52151	18	Spacer	52143 and 52149
6	Nut	52143, 52147, 52148 and 52150	19	Gasket	52144, 52146 and 52150
7	Bolt - Shoulder	52148	20	Reservoir	52144 and 52146
8	Hook	52144 and 52150	21	Boot	52144
9	Cable	52146 and 52150	22	Shock Absorber	52143
10	Latch - Release	52148	23	Bushing	52147
11	Cap	52145	24	Push Rod	52144 and 52150
12	Screw	52144, 52146 and 52150	25	Spacer	52147
13	Stop	52149	26	Washer	52147

Figure 2-H

Hitch Assembly - Knott, CE

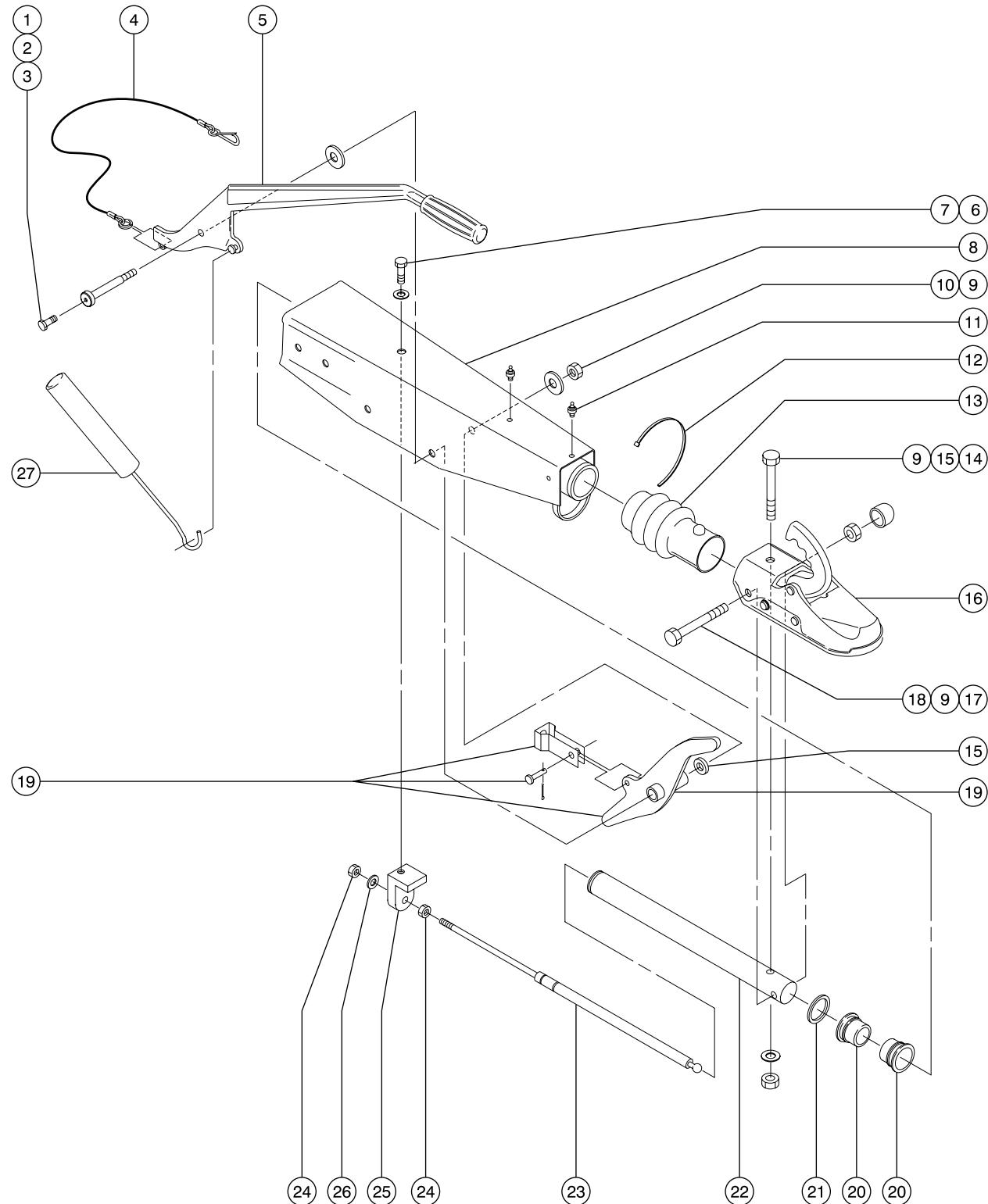


FIGURE 2-H

Index	Part No.	Description	Quantity This Figure
1	65349	Pin - Threaded, HHC, M10 x 1.5 x 20 mm, GR 8.8.....	1
2	65350	Screw with Threaded Pin, M12 x 1.75 x 80 mm (includes index number 1)	1
3	65352	Washer - Flat, M12	1
4	65341	Cable - Breakaway, Mechanical Hitch (includes eye and snap ring)	1
5	65340	Lever - Brake, Mechanical Hitch (includes index number 4)	1
6	65351	Screw - HHC, M12 x 1.75 x 25 mm	1
7	65355	Washer - Lock, M12	1
8	65353	Housing - Hitch Assembly	1
9	65401	Nut - Beveled, M12 x 1.75 mm	3
10	65354	Washer - Disk, M12	1
11	65344	Zerk - Grease	2
12	13469	Cable Tie, 11.375 inches (29 cm)	1
13	65339	Bellows - Mechanical Hitch Assembly	1
14	49382	Screw - HHC, M12 x 1.75 x 70 mm	1
15	65400	Washer - Flat, M12	2
16	65338	Coupler - Mechanical Hitch Assembly	1
17	59971	Screw - HHC, M12 x 1.75 x 80 mm	1
18	65346	Protective Cover	1
19	65342	Lever - Internal, Hitch Assembly (includes clevis, pin and cotter pin)	1
20	65343	Bearing - Mechanical Hitch Assembly	2
21	65345	Stop Ring - Mechanical Hitch Assembly	1
22	65336	Shaft - Mechanical Hitch Assembly	1
23	65337	Shock Absorber - Mechanical Hitch	1
24	65402	Nut - HHC, M10 x 1.5 mm	2
25	65347	Bracket - Shock Absorber, Mechanical Hitch Assembly	1
26	65403	Washer - Wavy, M10	1
27	65348	Spring Sleeve - Hitch Assembly	1

Figure 2-I

Hitch Options

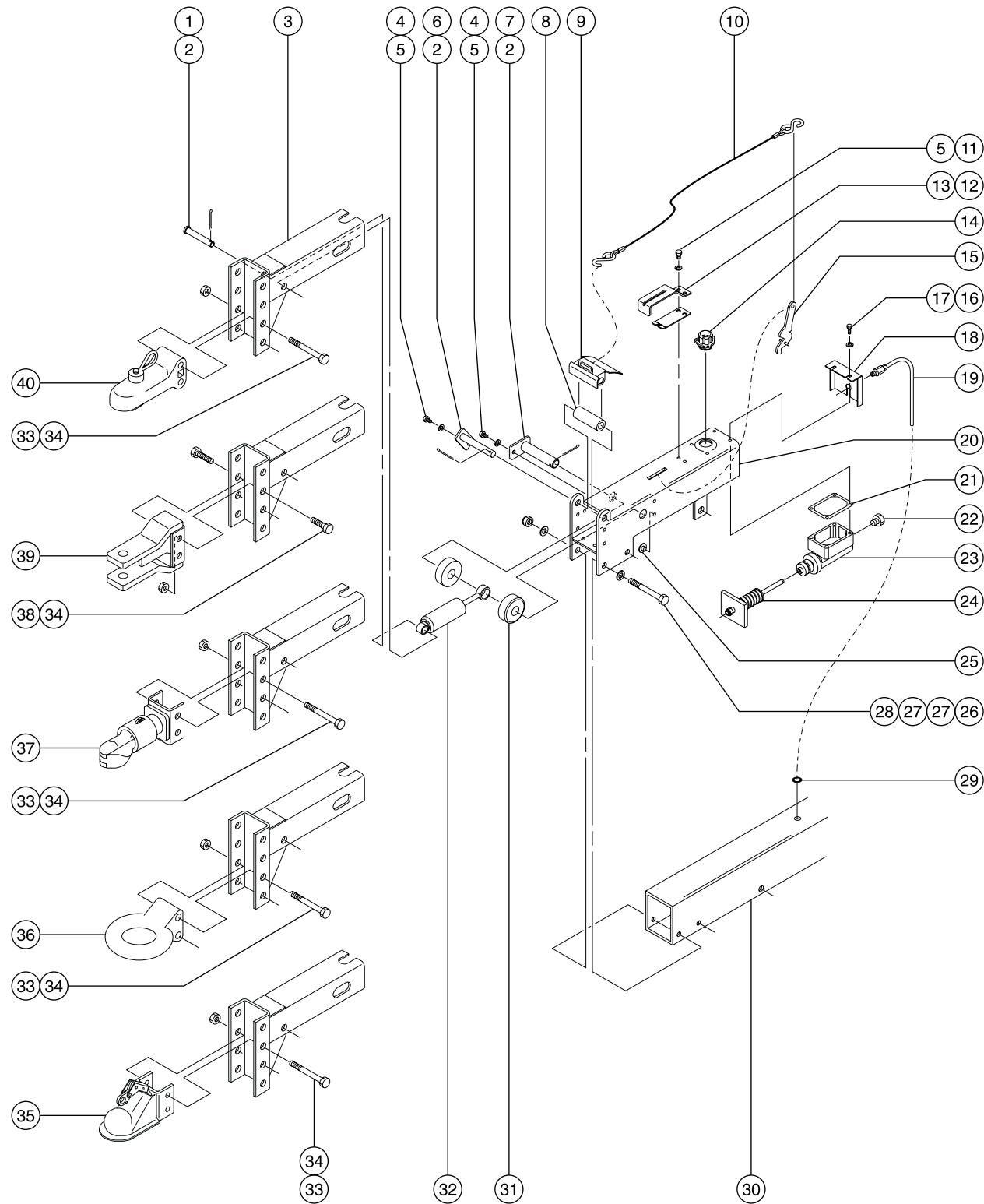


FIGURE 2-I

Index	Part No.	Description	Quantity This Figure
-	62776-S	Hitch Assembly with Decal (includes index numbers 1 through 18, 20 through 25 and index numbers 31 and 32) (decals are listed in Section One)	1
-	62769	Kit- Emergency Lever Replacement (includes index numbers 10, 13 and 15)	-
-	62770	Kit - Master Cylinder Repair	-
-	62771	Kit - Coupler Repair	-
1	62765	Pin - Damper, Front Shock	1
2	62866	Pin - Cotter, 1.5 x 0.156 inch (3.8 x 0.39 cm)	3
3	62766	Channel - Coupler Mounting	1
4	62863	Screw - HHC, 5/16 -18 x 0.5 inch, GR 5	2
5	62864	Washer - Lock, External Tooth, 5/16 inch	4
6	62865	Pin - Roller, Outer	1
7	62867	Pin - Roller, Inner	1
8	62868	Roller	1
9	62869	Cover - Roller	1
10	62870	Cable Assembly (includes hooks)	1
-	62772	Hook - Cable Assembly (2 each required)	-
11	62871	Screw - HHC, 5/16 -18 x 0.63 inch, GR 5	2
12	62872	Lever Guide	1
13	62873	Emergency Lever Spring	1
14	62874	Cap - Master Cylinder	1
-	62773	O-Ring - Master Cylinder	-
15	62877	Emergency Lever	1
16	62875	Screw - HHC, 1/4 -20 x 0.75 inch, GR 5	4
17	62876	Washer - Lock, Internal Tooth, 1/4 inch	4
18	62878	Cover - Actuator Case	1
19	67304	Brake Line, 148 inches (376 cm)	1
20	62760	Actuator Case	1

This parts list continues. Please turn the page.

FIGURE 2-I

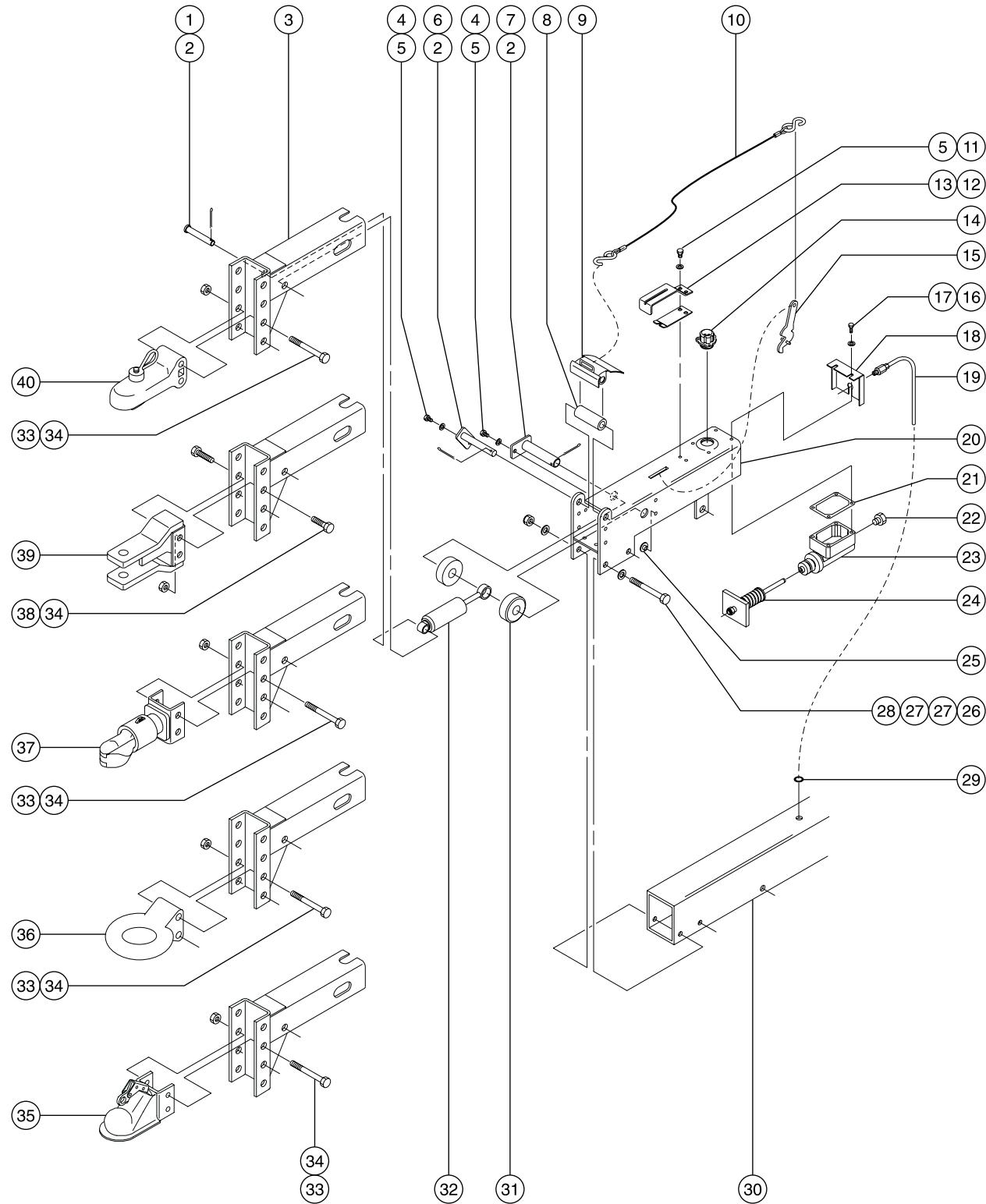


FIGURE 2-I

Index	Part No.	Description	Quantity This Figure
21	62762	Gasket - Master Cylinder	1
22	62761	Connector - Orifice, 0.018 inch (0.046 mm)	1
23	62768	Master Cylinder with Gasket (includes index number 21)	1
24	62879	Push Rod Assembly	1
25	62767	Glide Button - Nylatron	10
26	49383	Screw - HHC, M12 x 1.75 x 120 mm, GR 8.8	3
27	49410	Washer - Flat, M12	6
28	49366	Nut - Nylock, M12 x 1.75 mm	3
29	24647	Grommet - Rubber, 3/8 I.D. x 7/8 O.D. inch	1
30	Ref.	Tongue Assembly with Decals (refer to Figure 2-A) (decals are listed in Section One)	-
31	62763	Roller - Brake Actuator	2
32	62764	Shock Damper	1
33	59711	Screw - HHC, M16 x 2 x 110 mm, GR 8.8	8
34	49362	Nut - Nylock, M16 x 2 mm	12
35	59752	Coupler - Lever Lock, 2 5/16 inches (5.9 cm)	1
-	67340	Coupler - Lever Lock, 2 inches (5.1 cm)	-
36	59720	Coupler - Pintle Ring	1
-	67232	Coupler - Pintle Ring, CE, 65 mm	-
37	67230	Coupler - Bulldog, 2 inches (5.1 cm)	1
-	67231	Coupler - Bulldog, 2 5/16 inches (5.9 cm)	-
38	59969	Screw - HHC, M16 x 2 x 30 mm, GR 8.8	4
39	59753	Coupler - Clevis	1
40	67229	Coupler - Ball, 2 inches (5.1 cm)	1
-	67233	Coupler - Ball, CE, 50 mm	-

Figure 2-J

Outrigger Assembly

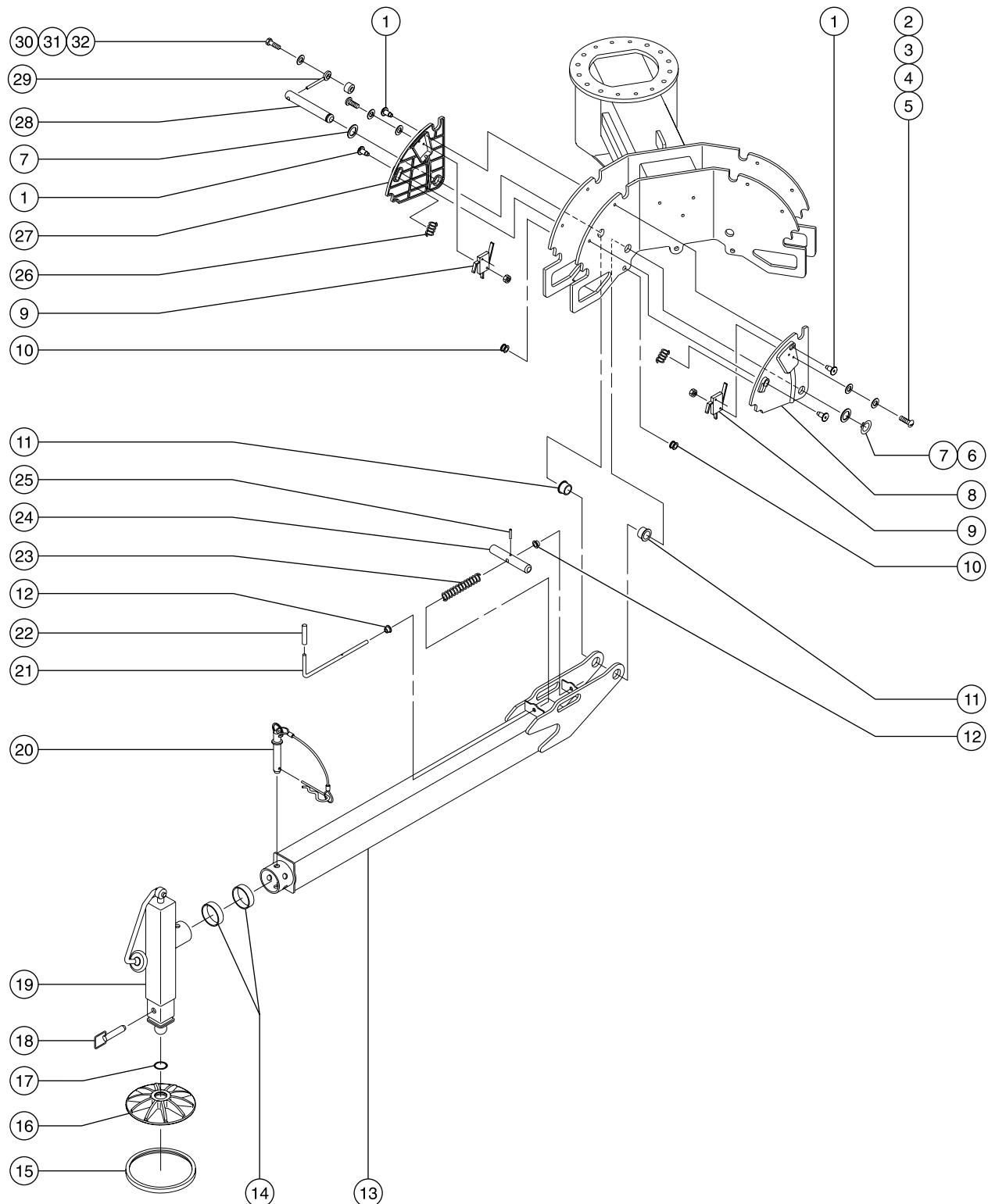


FIGURE 2-J

Index	Part No.	Description	Quantity This Figure
1	43442	Bolt - Shoulder	16
2	49370	Screw - PHM, M3 x 0.5 x 20 mm, GR 4.8	16
3	49405	Washer - Lock, M3	16
4	55050	Washer - Flat, M3	16
5	49368	Nut - Nylock, M3 x 0.5 mm	16
6	44662	Snap Ring - External, 1 inch (2.54 cm)	4
7	30748	Washer - Shim, 1.01 x 1.63 x 0.062 inch (2.57 x 4.14 x 0.157 cm)	8
8	43440	Guide - Outrigger Switch, Right Side	4
9	41855	Switch - Outrigger Interlock	8
10	46426	Grommet	8
11	36245	Bearing, 1 x 1.25 x 0.84 inch (2.54 x 3.18 x 2.13 cm)	8
12	44640	Bearing - Flange, Nylinear, 0.375 inch (9.53 mm)	8
13	52291	Outrigger Assembly - Complete with Decal (decals are listed in Section One) (includes index numbers 11, 12 and 14 through 25)	4
-	52180	Weldment - Outrigger Assembly (includes index numbers 11 and 14)	-
14	43468	Bearing, 2.5 x 2.75 x 0.75 inch (6.35 x 7 x 1.91 cm)	4
15	41873	Foot - Outrigger, Rubber	4
16	41872	Plate - Screw Jack	4
17	43394	O-Ring	4
18	52187	Pin - Screw Jack	4
19	52290	Screw Jack Assembly (includes index numbers 15 through 18 and index number 20)	4
-	41870	Screw Jack (includes index number 18)	-
-	52134	Handle Assembly with Knob	-
20	44658	Lock Pin	4
21	43467	Handle - Outrigger Latch	4
22	44732	Cover - Handle, Plastic	4
23	44641	Spring - Outrigger Latch Handle	4

This parts list continues. Please turn the page.

FIGURE 2-J

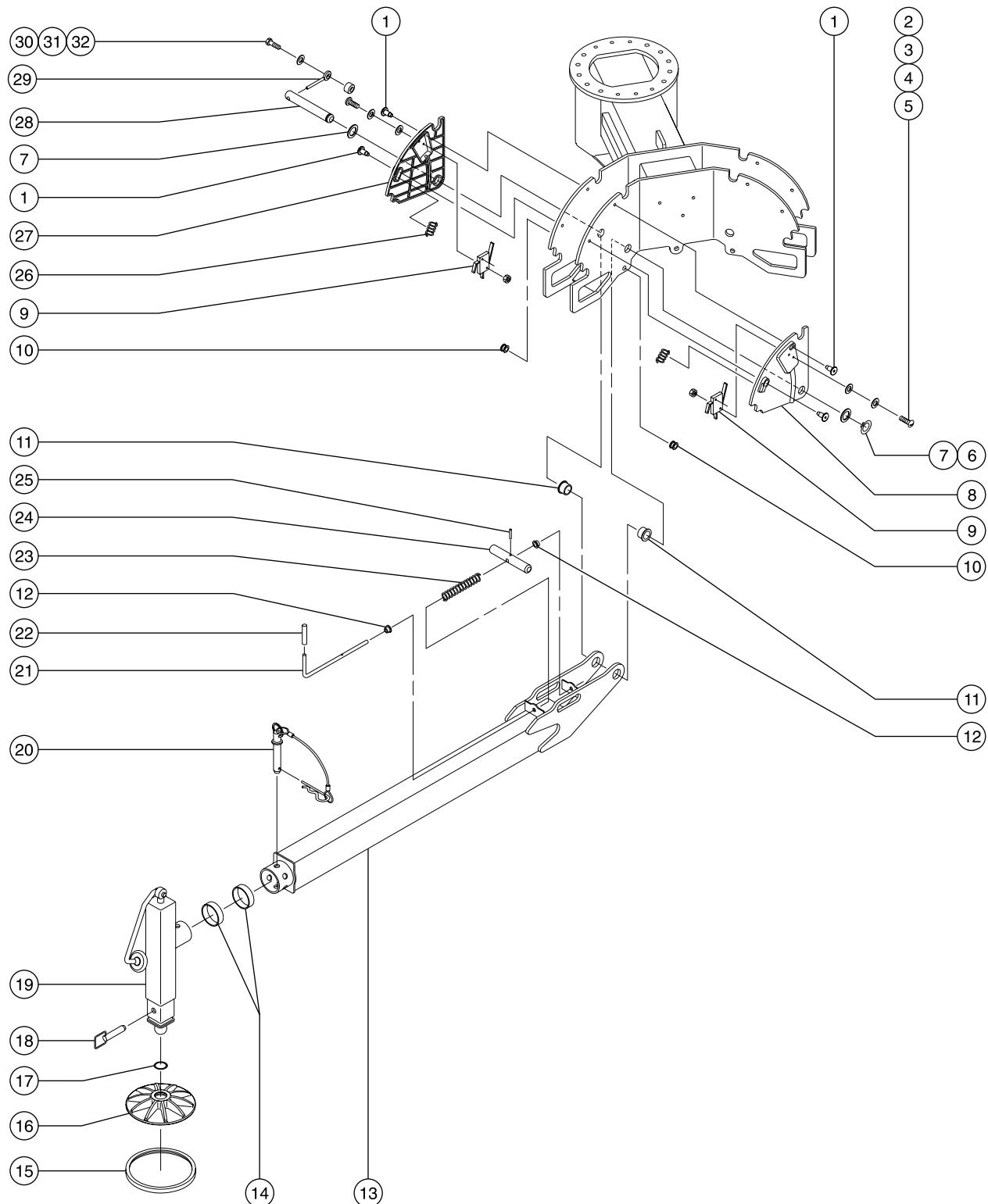


FIGURE 2-J

Index	Part No.	Description	Quantity This Figure
24	43475	Pin - Outrigger Latch Handle	4
25	46721	Pin - Grooved, 0.125 x 1 inch (3.18 x 25.4 mm)	4
26	44666	Spring - Outrigger Guide	8
27	43441	Guide - Outrigger Switch, Left Side	4
28	43476	Pin - Outrigger Pivot, 6.625 x 1 inch (16.83 x 2.54 cm)	4
29	43460	Rod End, 0.375 x 2.25 inches (0.95 x 5.76 cm)	4
30	44064	Screw - HHC, M10 x 1.5 x 30 mm, GR 8.8	4
31	22700	Washer - Lock, M10	4
32	44723	Spacer - Outrigger Pin	4

Figure 2-K

Hydraulic Brake

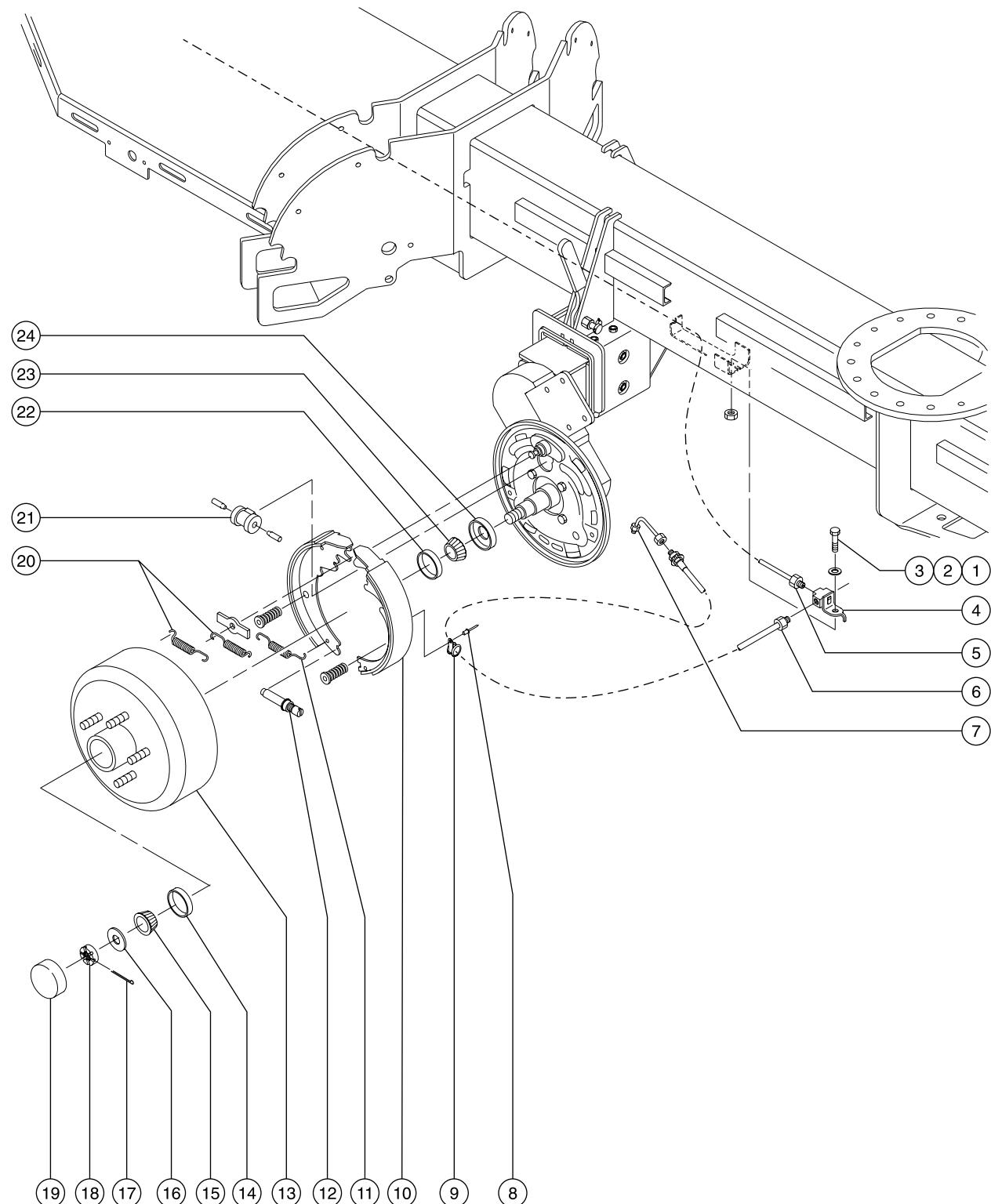


FIGURE 2-K

Index	Part No.	Description	Quantity This Figure
-	55045	Hydraulic Brake Kit (includes index numbers 4 through 7)	-
1	49375	Screw - HHC, M6 x 1 x 16 mm, GR 8.8	1
2	25926	Washer - Flat, M6	1
3	49364	Nut - Nylock, M6 x 1 mm	1
4	48309	Fitting - Tee, Brake Line	1
5	48305	Brake Line - Long	1
6	55044	Brake Hose	2
7	55078	Brake Line - Short	1
8	7265	Rivet - 0.375 x 0.25 inch (0.95 x 0.63 cm)	1
9	16073	Clamp - Rubber Cushioned, 5/8 inch	1
10	52253	Shoe and Lining Kit (includes spring clips)	2
11	52346	Spring - Adjusting Screw	1
12	52254	Adjuster	1
13	52255	Hub, 10 x 2.25 inches (25.4 x 5.7 cm)	1
-	52342	Wheel Stud, 1/2 -20, UNF	-
14	52256	Cup - Outer Bearing	1
15	52257	Cone - Outer Bearing	1
16	52258	Washer - Spindle	1
17	45114	Pin - Cotter, 0.219 x 1.75 inches (0.6 x 4.4 cm)	1
18	52259	Nut - Spindle	1
19	52260	Cap - Grease	1
20	52345	Spring - Retractor	2
21	52261	Brake Cylinder - Uni Servo, Ground Controls Side (shown)	1
-	52262	Brake Cylinder - Uni Servo, Power Unit Side	1
22	52263	Cup - Inner Bearing	1
23	52264	Cone - Inner Bearing	1
24	52265	Seal - Grease	1

Figure 2-L

Mechanical Brake - Knott, CE

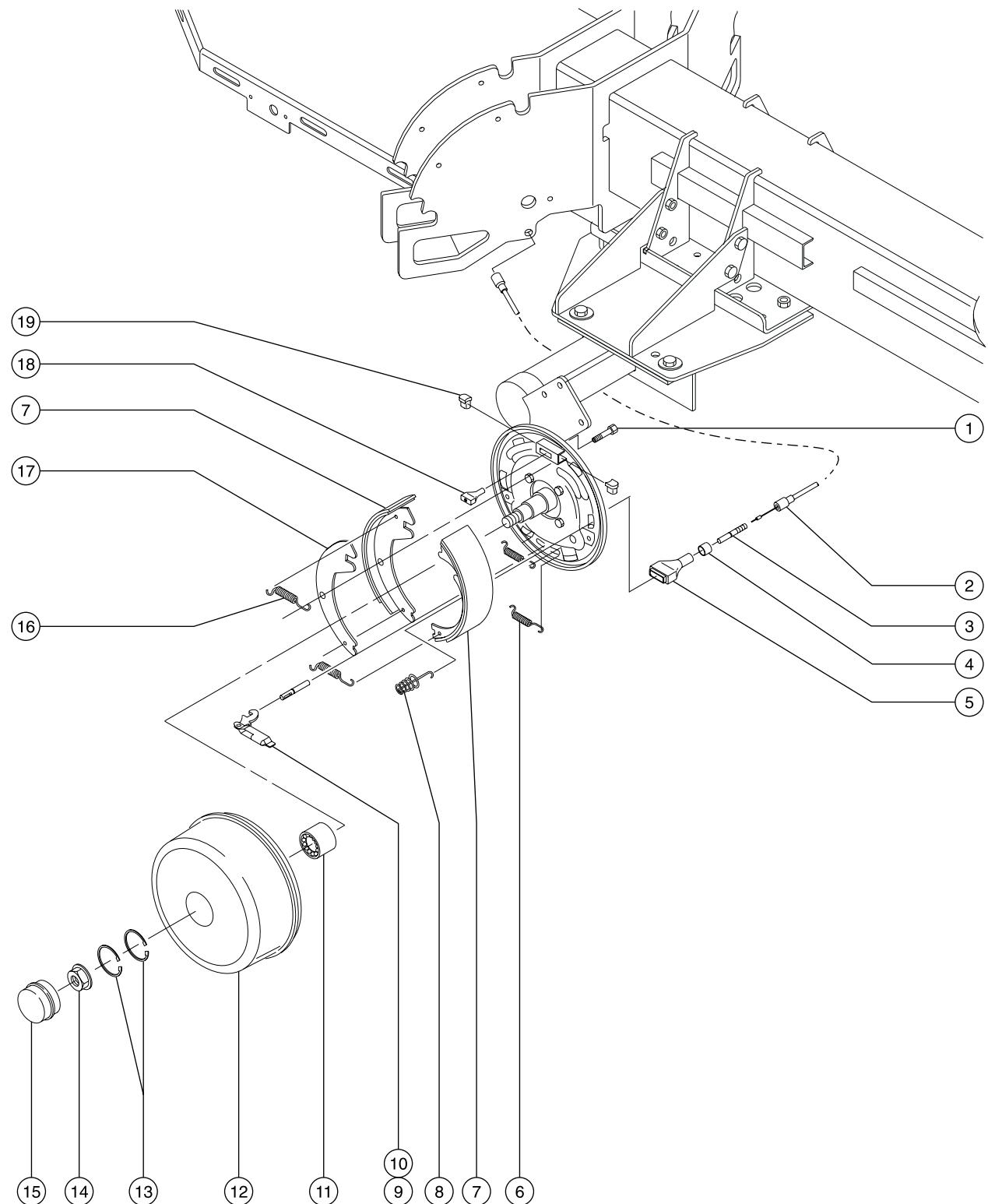


FIGURE 2-L

Index	Part No.	Description	Quantity This Figure
1	65385	Screw - HHC, M10 x 1.5 x 34 mm	2
2	65380	Cable - Brake	2
3	65381	Drawbar Eye	2
4	65382	Sleeve - Protective	2
5	65383	Cover - Brake Cable	2
6	65376	Spring - Return, Brake Shoe, Lower	2
7	65195-S	Kit - Brake Shoe (includes 4 brake shoes)	2
8	65378	Spring - Brake Hold-down	2
9	65379	Lever - Actuator (includes index number 10)	2
10	65191	Rod - Actuator Lever	2
11	65374	Bearing - Ball	2
12	65369	Hub - Brake Drum (includes index numbers 11, 13, 14 and 15)	2
13	65375	Lock Ring	4
14	65373	Nut - Flanged	2
15	65372	Cap - Grease	2
16	65377	Spring - Return, Brake Shoe, Upper	2
17	Ref.	Plate - Brake Shoe, Floating	2
18	65384	Nut - Wedge	2
19	65386	Wedge	4

Figure 2-M

Parking Brake - Domestic

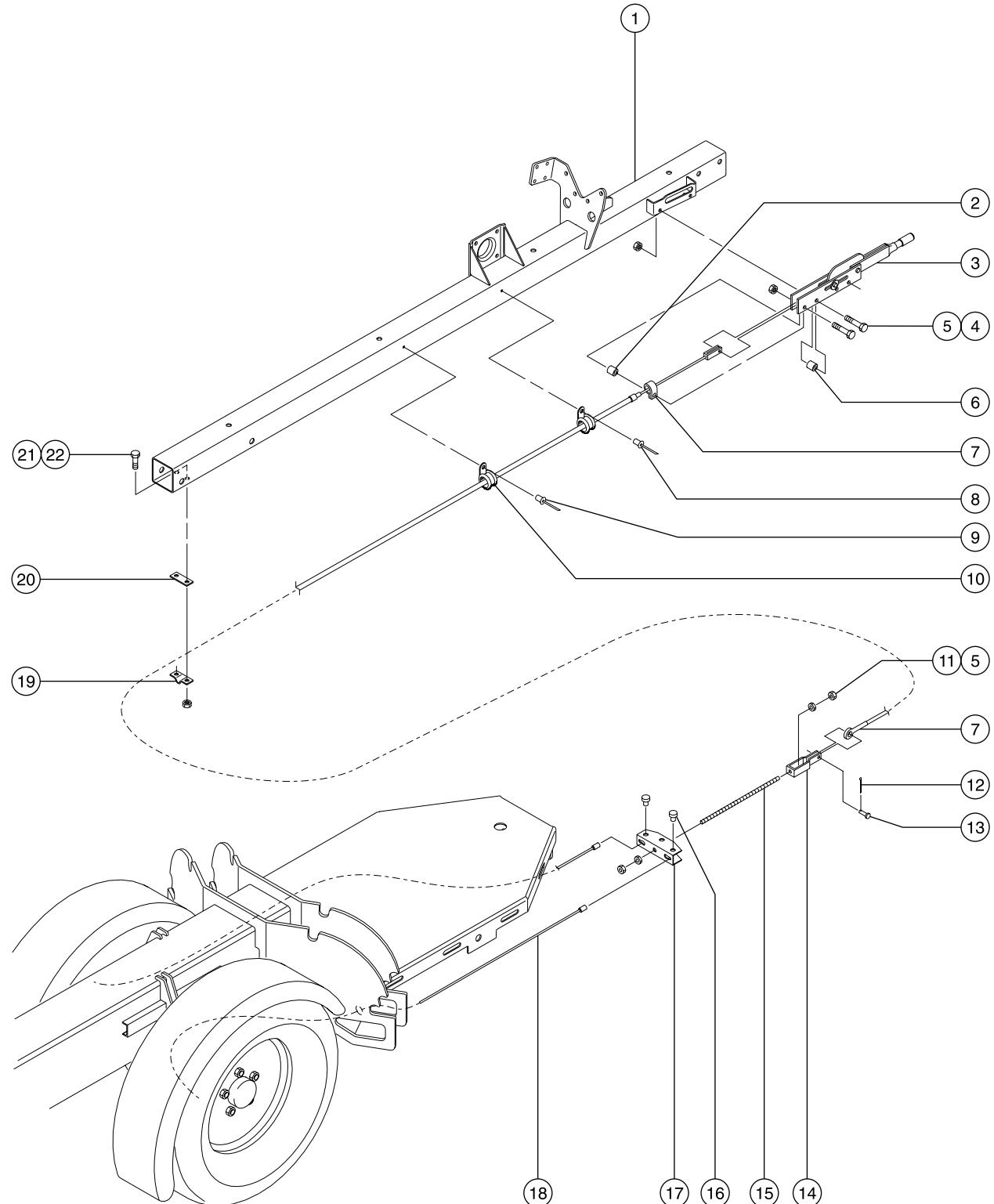


FIGURE 2-M

Index	Part No.	Description	Quantity	This Figure
-	52341	Parking Brake System (includes index numbers 2, 3, 6, 7, 8, 12 through 14 and 16 through 20)	-	-
1	Ref.	Tongue Assembly with Decal (refer to Figure 2-A)	1	
2	52189	Spacer, 0.5 inch (12.7 mm)	1	
3	52188	Lever Assembly (includes index numbers 12 and 13)	1	
4	49386	Screw - HHC, M8 x 1.25 x 40 mm, GR 8.8	2	
5	25368	Nut - Nylock, M8 x 1.25 mm	2	
6	52190	Spacer, 0.75 inch (19.04 mm)	1	
7	52183	Brake Cable - Tongue	1	
8	52184	Cable Clamp - Parking Brake	1	
9	7265	Rivet - Steel, 0.25 x 0.375 inch (6.4 x 9.5 mm)	2	
10	16073	Clamp - Rubber Cushioned, 5/8 inch	2	
11	22571	Nut - Hex, M8 x 1.25 mm	1	
12	12016	Pin - Cotter, 0.125 x 0.75 inch (3.18 x 19.05 mm)	1	
13	52129	Pin - Parking Brake	1	
14	52182	Clevis - Parking Brake	1	
15	48218	Threaded Rod, M8 x 1.25 x 25.4 cm	1	
16	46716	Bumper - Rubber	2	
17	52342	Tension Equalizer Assembly (includes index number 16)	1	
18	55085	Brake Line - Power Unit Side (shown)	1	
-	55084	Brake Line - Ground Controls Side	1	
19	52186	Cable Clamp - Parking Brake	1	
20	52185	Link Spacer - Parking Brake	1	
21	44064	Screw - HHC, M10 x 1.5 x 30 mm, GR 8.8	2	
22	22736	Nut - Lock, M10 x 1.5 mm	2	

Figure 2-N

Parking Brake - Knott, CE

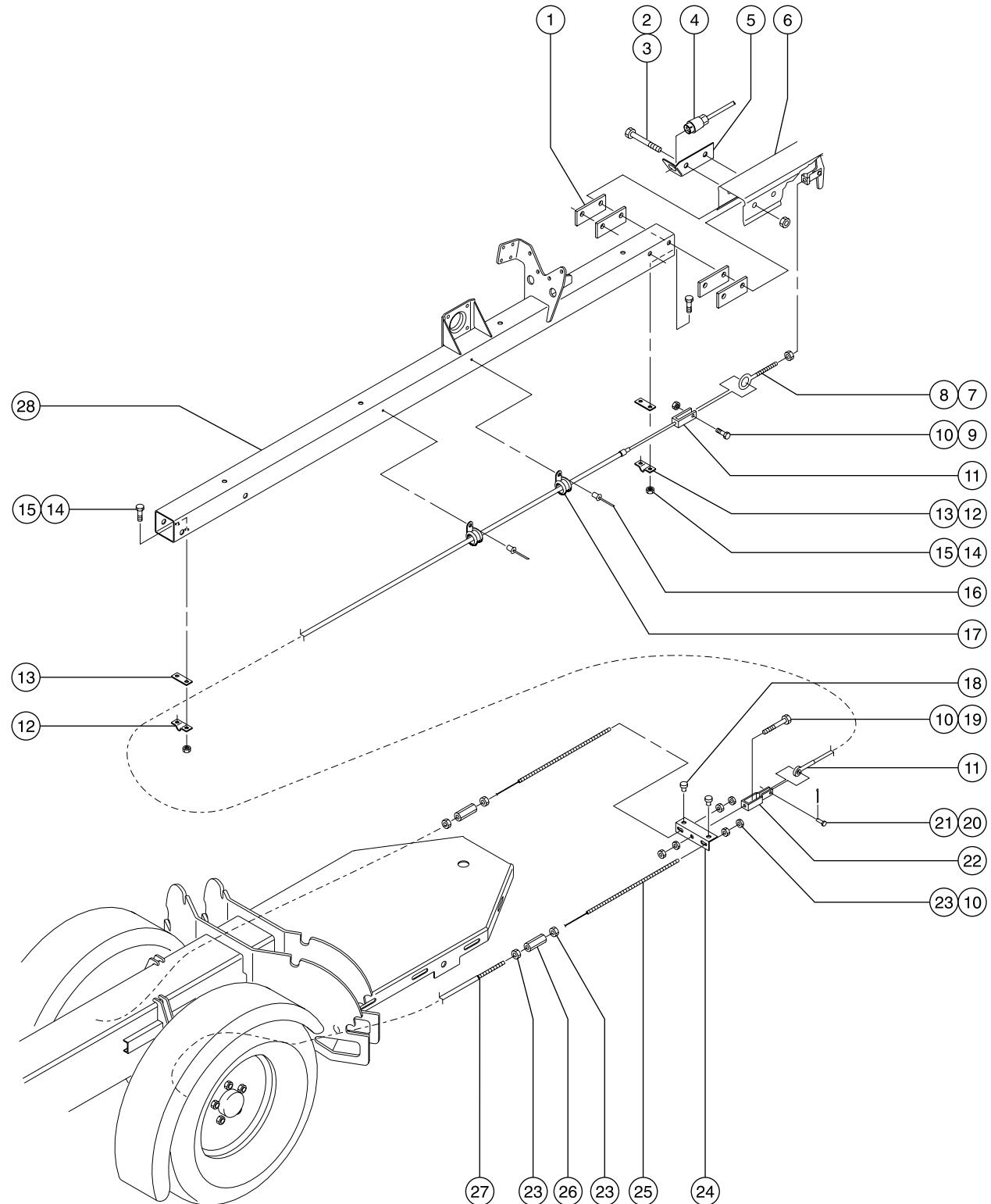


FIGURE 2-N

Index	Part No.	Description	Quantity This Figure
-	55141	Kit - Parking Brake (includes index numbers 9 through 13 and 16 through 27)	-
1	55057-S	Spacer - Mechanical Hitch.....	4
2	59581	Screw - HHC, M16 x 2 x 150 mm, GR 8.8	2
3	49362	Nut - Nylock, M16 x 2 mm	2
4	Ref.	Wire Harness - Taillights (refer to Figure 4-E)	-
5	55061-S	Bracket - Taillight Connector Storage	1
6	Ref.	Hitch Assembly (refer to Figure 2-H)	-
7	59562	Bolt - Eye, M10 x 1.5 x 35 mm	1
8	59680	Nut - HHC, M10 x 1.5 mm	2
9	49379	Screw - HHC, M8 x 1.25 x 25, GR 8.8	1
10	25368	Nut - Nylock, M8 x 1.25 mm	5
11	52183	Brake Cable - Tongue	1
12	52186	Cable Clamp - Parking Brake	2
13	52185	Link Spacer - Parking Brake	2
14	22736	Nut - Lock, M10 x 1.5 mm	2
15	44064	Screw - HHC, M10 x 1.5 x 30 mm, GR 8.8	1
16	7265	Rivet - Steel, 0.25 x 0.375 inch (6.35 x 9.53 mm)	2
17	16073	Clamp - Rubber Cushioned, 5/8 inch	2
18	46716	Bumper - Rubber	2
19	59580	Screw - HHC, M8 x 1.25 x 120 mm	1
20	52129	Pin - Parking Brake	1
21	2161	Pin - Cotter, 0.063 x 1 inch (1.6 x 25.4 mm)	1
22	52182	Clevis - Parking Brake	1
23	22571	Nut - HHC, M8 x 1.25 mm	7
24	59508-S	Bracket - Tension Equalizer	1
25	48218	Rod - Threaded, M8 x 1.25 x 24.4 cm	1
26	59678	Spacer - Threaded, Mechanical Brake	2
27	55109	Brake Cable - Axle, Mechanical Parking Brake	2
28	Ref.	Tongue Assembly - CE (refer to Figure 2-A)	-

Notes

Section Three

Turntable Components

Figure 3-A

Turntable Components

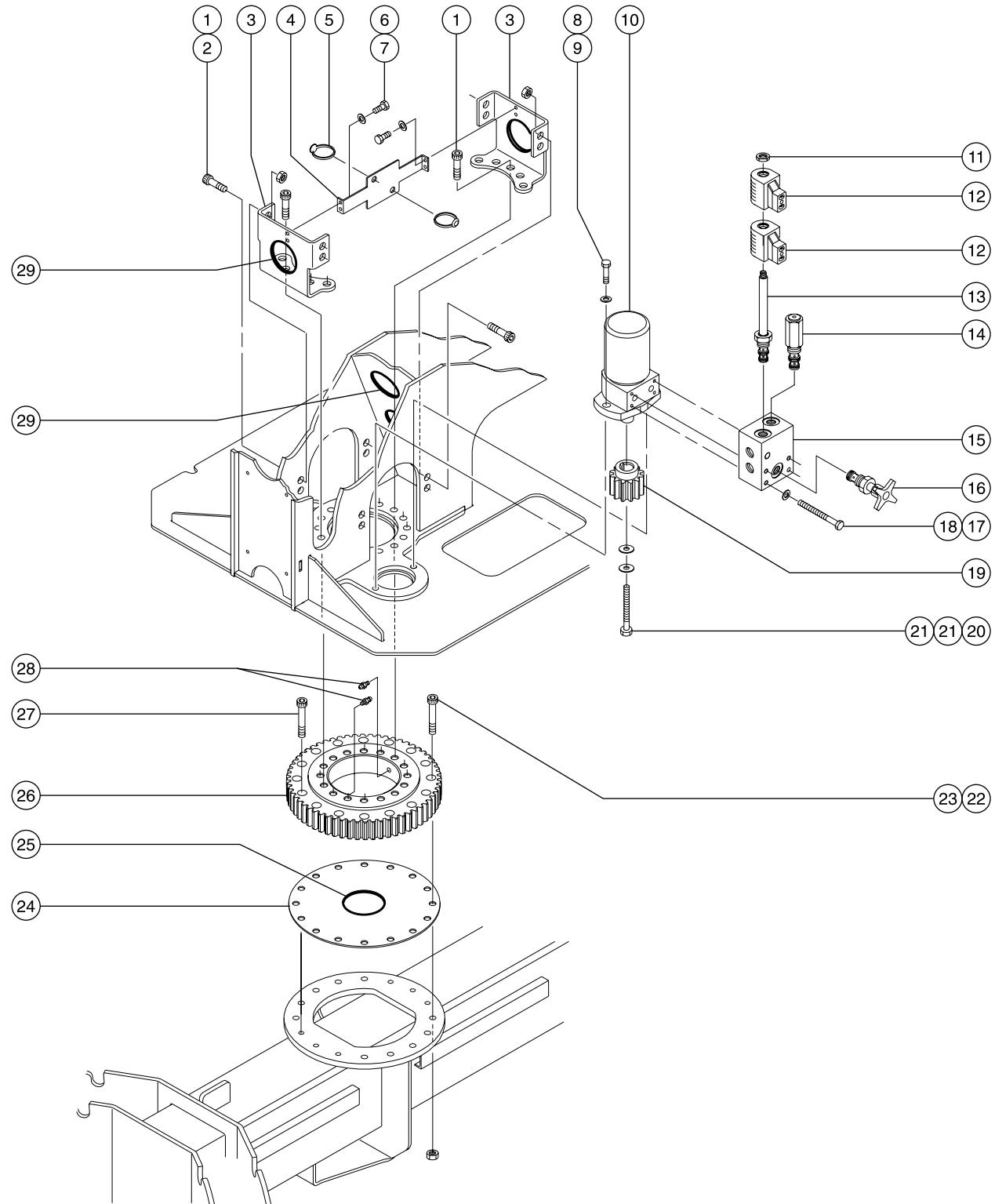


FIGURE 3-A

Index	Part No.	Description	Quantity This Figure
1	49392	Screw - SHC, M14 x 2 x 40 mm, GR 12.9	23
2	49367	Nut - Nylock, M14 x 2 mm	8
3	52228	Bracket - Turntable Reinforcement Assembly (includes index number 29)	2
-	46436	Grommet - Rubber, 2.75 x 0.25 inch (7 x 0.6 cm)	-
4	46152P	Bracket - Wire and Hose	1
5	40928	Cable Tie, 10 inches (25.4 cm)	2
6	49375	Screw - HHC, M6 x 1 x 16 mm, GR 8.8	4
7	49407	Washer - Lock, M6	4
8	49381	Screw - HHC, M12 x 1.75 x 30 mm, GR 8.8	2
9	49409	Washer - Lock, M12	2
10	59500	Motor - Hydraulic, Rotate	1
-	65320	Seal Kit - Hydraulic Rotate Motor	-
11	19792	Nut - Solenoid Valve	1
12	52225	Coil - Solenoid Valve	2
13	52292	Valve - Solenoid (includes index numbers 11 and 12)	1
-	52226	Cartridge Only	-
14	52224	Valve - Relief, Rotate Manifold	1
15	41881	Manifold - Rotate (includes index numbers 11 through 14 and index number 16)	1
16	52227	Valve - Needle, Rotate Manifold	1
17	55098	Screw - HHC, M8 x 1.25 x 80 mm	4
18	6886	Washer - Lock, 0.313 inch	4
19	41895	Gear - Spur, Hydraulic Rotate Motor (12 tooth)	1
20	23057	Screw - HHC, M8 x 1.25 x 20 mm	1
21	44714	Washer - Fender, 0.375 inch	2
22	49391	Screw - SHC, M12 x 1.75 x 60 mm, GR 12.9	10
23	49366	Nut - Nylock, M12 x 1.75 mm	16
24	52306	Spacer Assembly - Turntable Plate (includes index number 25)	1
25	44669	Grommet - Rubber, 3.25 x 0.125 inch, (8.3 x 0.3 cm)	1
26	41894	Rotation Bearing	1
27	49390	Screw - SHC, M12 x 1.75 x 45 mm	6
28	28646	Fitting - Grease, 1/8 NPT	2
29	46436	Grommet - Rubber, 2.75 x 0.25 inch (7 x 0.6 cm)	5

Figure 3-B

Turntable - Ground Control Side

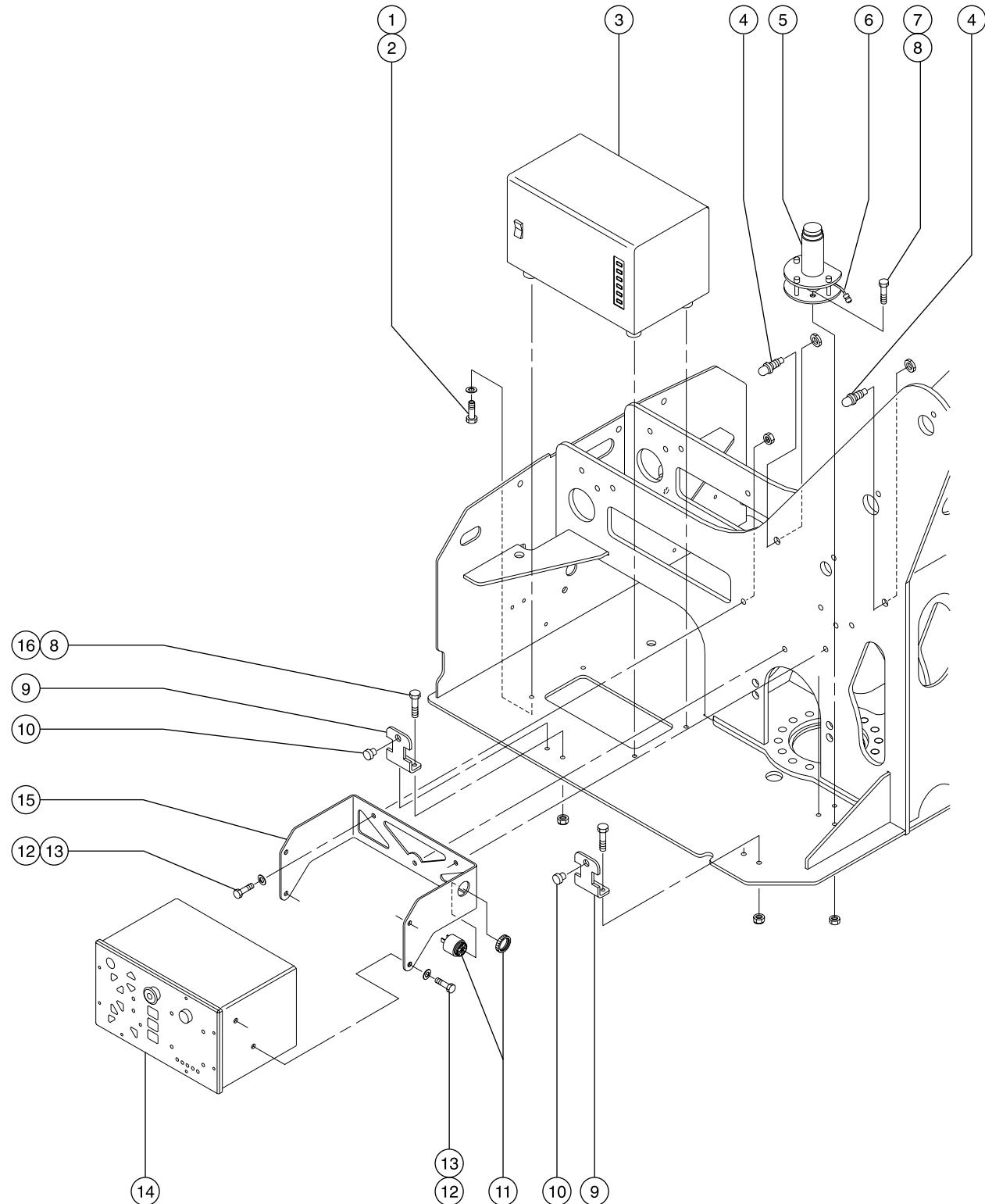


FIGURE 3-B

Index	Part No.	Description	Quantity This Figure
1	10107	Screw - HHC, 5/16 -18 x 0.75 inch, GR 5	4
2	49408	Washer - Lock, 0.313 inch	4
3	Ref.	Charger - Battery (refer to Figure 3-E)	-
4	46156	Light - Leveling, LED, 12V DC	2
5	65361-S	Level Sensor Assemby (includes index number 6 and test tool assembly)	1
-	44704	Level Sensor (includes index number 6)	1
-	44995	Tilt Sensor Test Tool Assembly (not shown)	-
6	65329	Connector - Female Panel Mount	1
-	33579	Pin - Connector, Male	-
7	49375	Screw - HHC, M6 x 1 x 20 mm, GR 9.8	4
8	49364	Nut - Nylock, M6 x 1 mm	8
9	52152	Latch Receiver Assembly (includes index number 10)	2
10	43392	Bumper - Rubber	2
11	19270	Alarm – Warble Tone, 12V DC (includes mounting fasteners)	1
12	49378	Screw - HHC, M8 x 1.25 x 16 mm, GR 8.8	7
13	49408	Washer - Lock, M8	7
14	44672	Ground Control Box (refer to Figure 3-D)	1
15	43464P	Bracket - Ground Control Box	1
16	22578	Screw - HHC, M6 x 1 x 20 mm, GR 8.8	4

Figure 3-C

Turtable - Hydraulic Power Unit Side

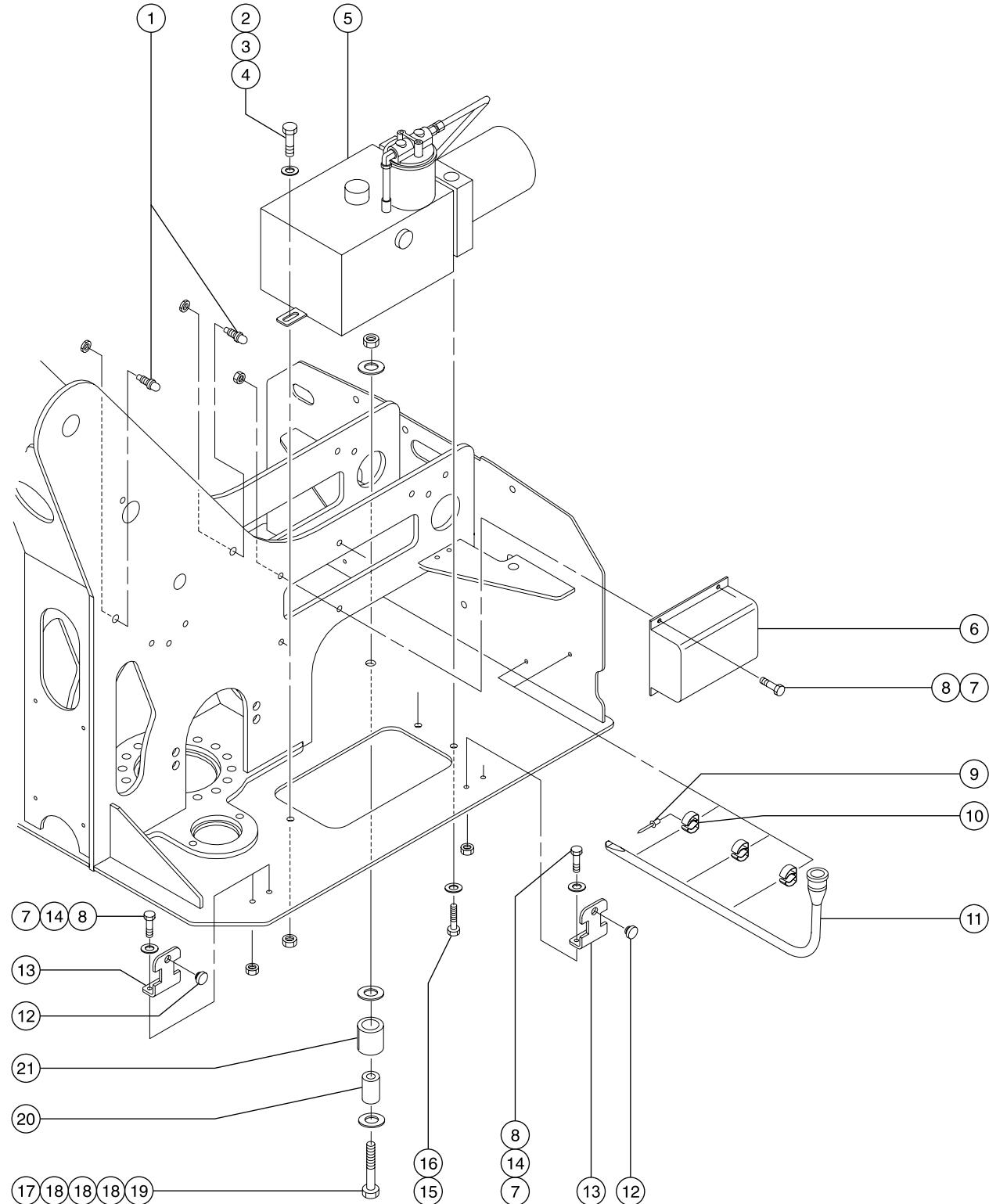


FIGURE 3-C

Index	Part No.	Description	Quantity This Figure
1	46156	Light - Leveling, LED, 12V DC	2
2	49379	Screw - HHC, M8 x 1.25 x 0.25 mm, GR 8.8	1
3	33277	Washer - Flat, M8	1
4	25368	Nut - Nylock, M8 x 1.25 mm	1
5	41888	Hydraulic Power Unit (refer to Figure 3-F)	-
6	43390	Controller - DC Motor, 175A	1
7	22578	Screw - FHS, M6 x 1 x 20 mm, GR 9.8	8
8	49364	Nut - Nylock, M6 x 1 mm	8
9	41695	Rivet - Steel, 0.188 x 0.5 inch (4.78 x 12.7 mm)	3
10	46724	Clip - Lug Wrench.....	3
11	46722	Lug Wrench, 13/16 inch	1
-	67750	Lug Wrench, CE, 19 mm	-
12	43392	Bumper - Rubber	2
13	52152	Latch Receiver Assembly (includes index number 12)	2
14	25926	Washer - Flat, M6	4
15	27034	Screw - HHC, M10 x 1.5 x 25 mm, GR 8.8	2
16	22700	Washer - Lock, M10	2
17	49385	Screw - HHC, M14 x 2 x 70 mm, GR 8.8	1
18	49411	Washer - Flat, M14	3
19	49367	Nut - Nylock, M14 x 2 mm, GR 8.8	1
20	43451	Spacer - Turntable Stop, 0.563 I.D. x 0.875 O.D. x 1.5 inch (1.4 x 2.2 x 3.8 cm)	1
21	43449	Bumper - Turntable Stop, 0.906 I.D. x 1.5 O.D. x 1.5 inch (2.3 x 3.8 x3.8 cm)	1

Figure 3-D

Ground Controls

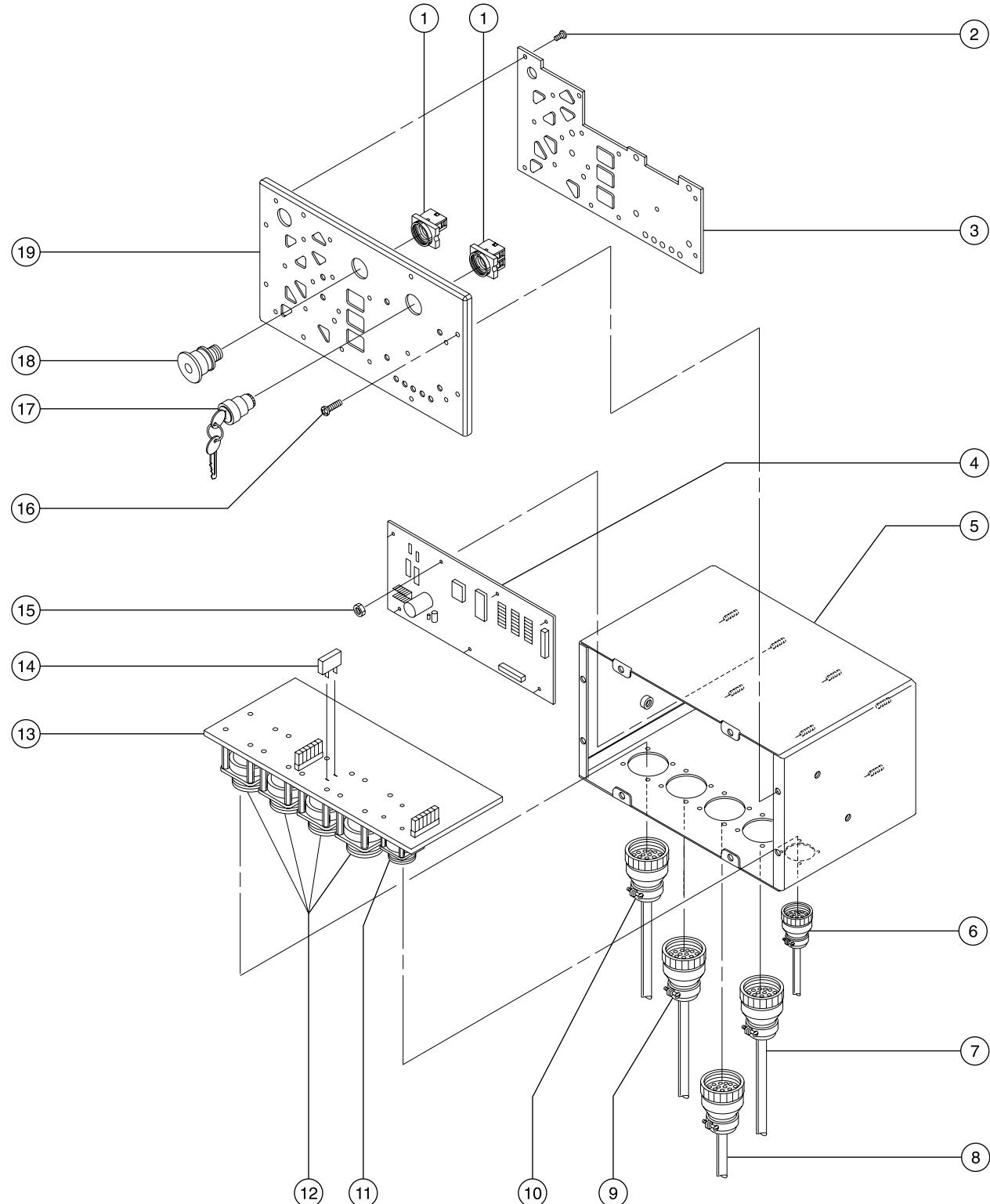


FIGURE 3-D

Index	Part No.	Description	Quantity This Figure
-	52285	Ground Control Box Assembly with Decal, Complete (decals are listed in Section One)	-
1	33020	Base - Push Button (includes 1 each N.C. contact)	1
-	29732	Contact - N.C.	-
2	55027	Screw - PHM, M4 x 0.7 x 6 mm, GR 4.8	15
3	52282	Circuit Board - Ground Controls with Overlay	1
-	44684	Overlay - Ground Controls Circuit Board	-
-	44682	Circuit Board only	-
4	44680	CPU - Ground Controls Circuit Board	1
5	44673	Box - Ground Controls	1
6	44693	Cable Assembly - Platform Controls, Ground Controls to Jib (refer to Figure 4-D)	1
7	44696	Cable Assembly - Lift Structure	1
-	65326	Connector - Ground Control Box, Male Plug	-
-	33580	Pin - Connector, Female	-
8	44697	Cable Assembly - Power	1
-	65326	Connector - Ground Control Box, Male Plug	-
-	33580	Pin - Connector, Female	-
-	65328	Connector - Level Sensor, Male Plug	-
-	33580	Pin - Connector, Female	-
9	44695	Cable Assembly - Right Outrigger	1
-	65326	Connector - Ground Control Box, Male Plug	-
-	33580	Pin - Connector, Female	-
10	44694	Cable Assembly - Left Outrigger	1
-	65326	Connector - Ground Control Box, Male Plug	-
-	33580	Pin - Connector, Female	-
11	65329	Connector - Ground Box, Female Panel Mount	1
-	33579	Pin - Connector, Male	-
12	65327	Connector - Ground Box, Female Panel Mount	4
-	33579	Pin - Connector, Male	-
13	44678	Wire Harness Connector Board - Ground Controls (includes index number 14)	1

This parts list continues. Please turn the page.

FIGURE 3-D

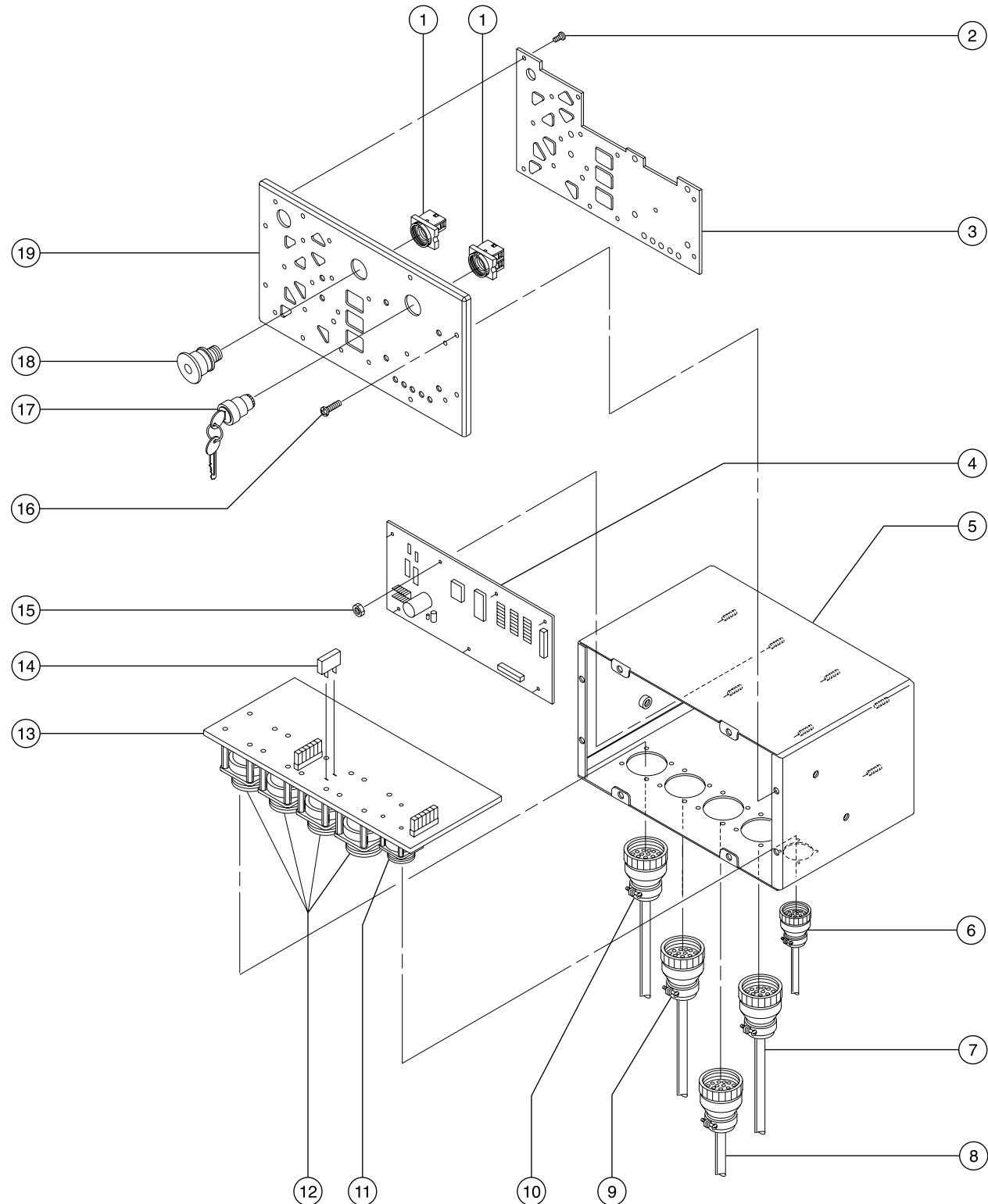


FIGURE 3-D

Index	Part No.	Description	Quantity This Figure
14	52333	Fuse, 5 Amp	1
15	49363	Nut - Nylock, M4 x 0.7 mm	7
16	49371	Screw - PHM, M4 x 0.7 x 10 mm, GR 4.8	8
17	33574	Keyswitch - 3 Position with Base (includes 1 pair of keys)	1
-	32612	Keyswitch - 3 Position (includes 1 pair of keys)	-
-	21982	Key - Keyswitch	-
-	37947	Key - Keyswitch (package of 10 keys)	-
-	32613	Base - Push Button (includes 2 each N.O. contacts)	-
-	45081	Contact - N.O.	-
18	33321	Push Button with Base - Red Mushroom Head	1
-	32614	Push Button - Red Mushroom Head	-
-	33020	Base - Push Button (includes 1 each N.C. contact)	-
-	33328	Base - Switch	-
-	29732	Contact - N.C.	-
19	52287	Lid - Ground Control Box with Decal (decals are listed in Section One)	1

Figure 3-E

Battery Charger

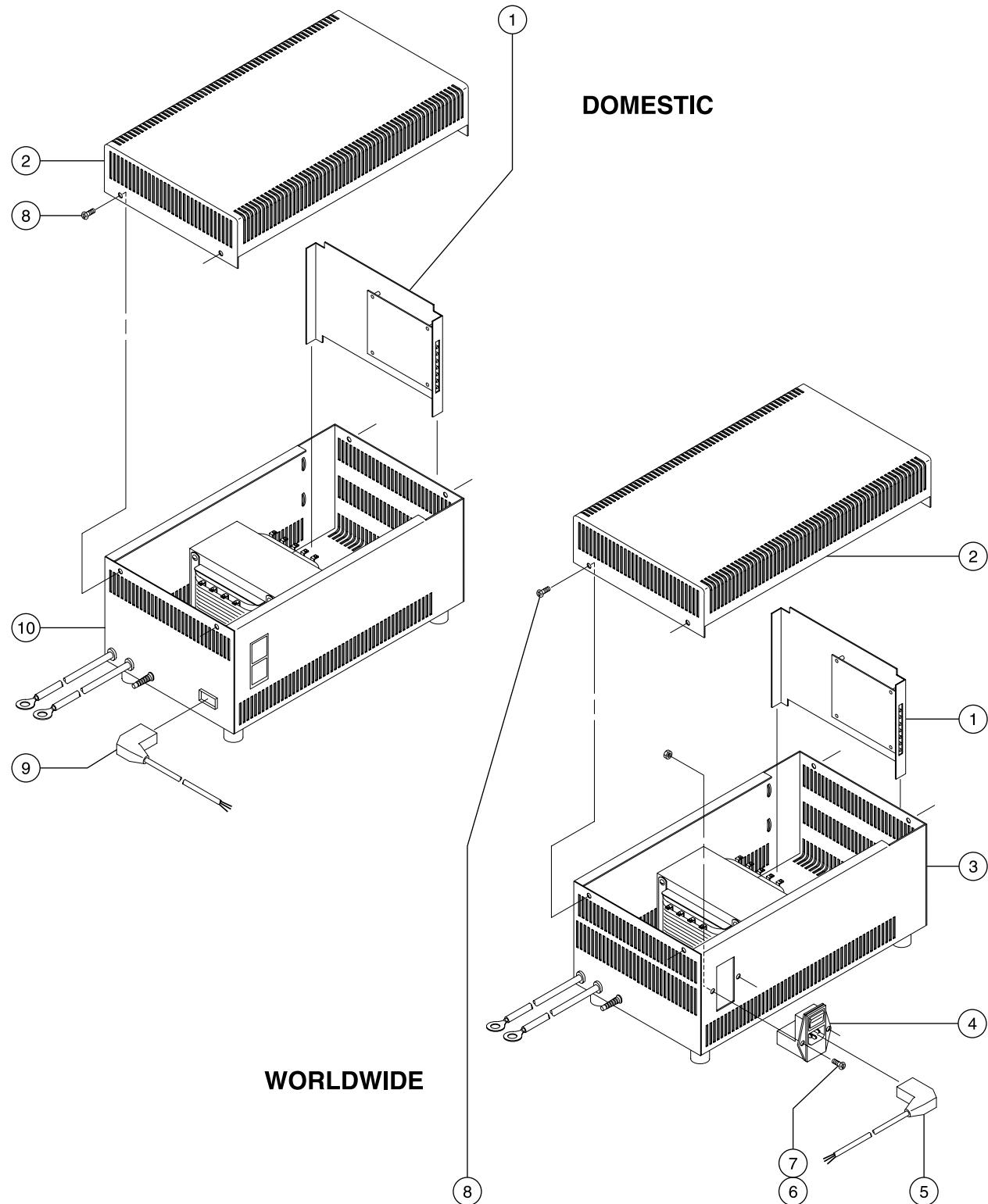


FIGURE 3-E

Index	Part No.	Description	Quantity This Figure
-	55040	Battery Charger, Domestic 110-120V AC, 60 Hz, 24V DC, Complete	-
-	65163	Circuit Breaker, 15A	-
-	62238	Outlet - Battery Charger, Domestic	-
-	41836	Battery Charger - Worldwide, 110-220V AC, 50/60 Hz, 24V DC, Complete	-
1	52295	Heat Sink and Control Board (one per model)	1
2	52294	Cover - Battery Charger (one per model)	1
3	52296	Housing - Battery Charger, Worldwide	1
4	52297	Outlet - Battery Charger, Worldwide	1
-	52334	Fuse, 15 amp, 250V AC, Slow Blow	-
-	65359	Fuse Holder	-
5	52298	Power Cord - Battery Charger, Worldwide	1
6	52299	Screw, 4 -40 x 0.50 inch	2
7	51086	Nut - Hex, 4 -40	2
8	12348	Screw - RHM, 6-32 x 0.75 inch (four per model)	4
9	65357	Power Cord - Battery Charger, Domestic	1
10	65358	Housing - Battery Charger, Domestic	1

Figure 3-F

Hydraulic Power Unit

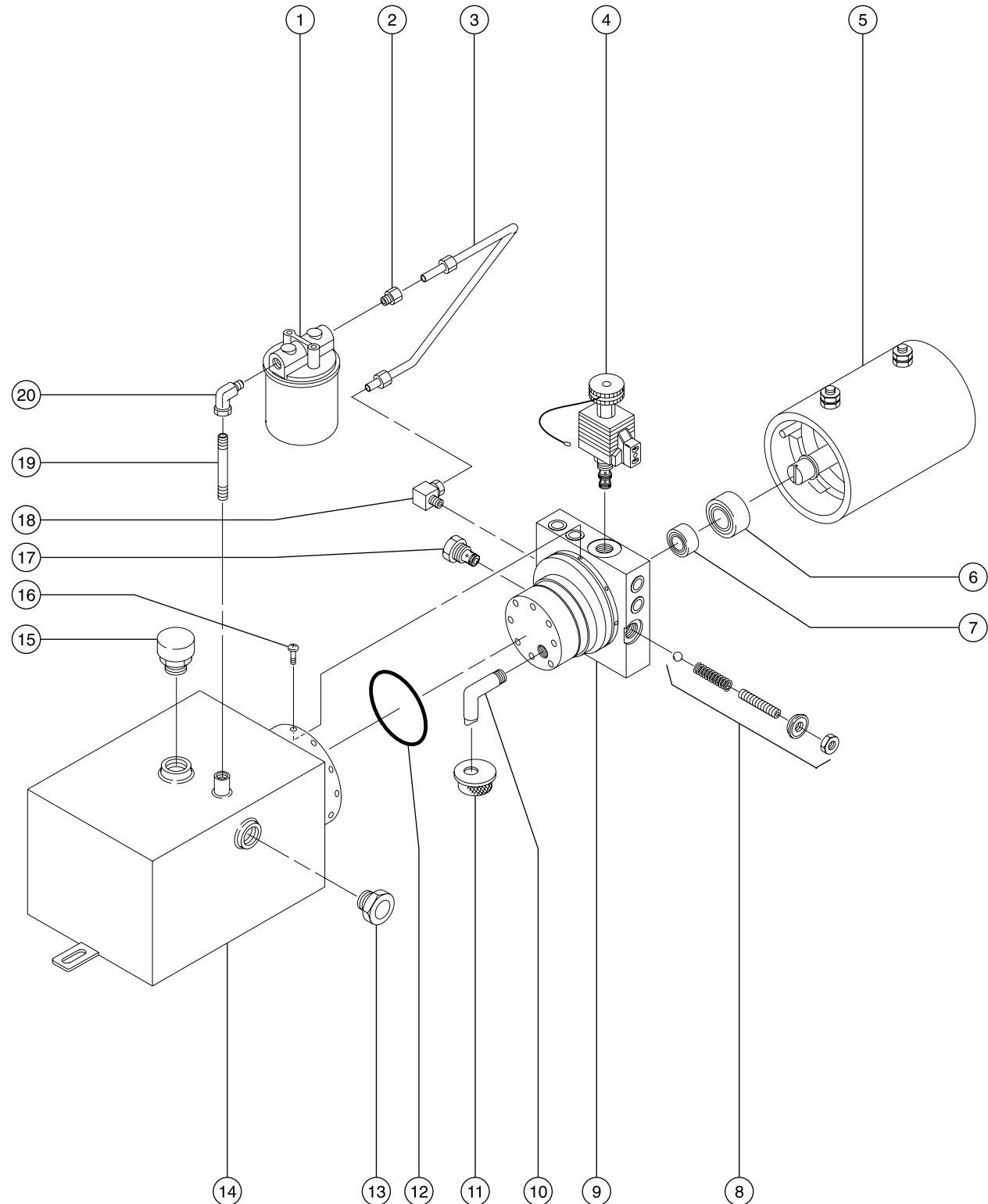


FIGURE 3-F

Index	Part No.	Description	Quantity This Figure
-	52322	Power Unit - Complete with Decal (decals are listed in Section One)	-
1	52313	Filter Assembly with Filter - Hydraulic Power Unit	1
-	52314	Filter - Hydraulic Fluid.....	-
2	52315	Connector - Hydraulic Power Unit	1
3	52316	Tube - Return	1
4	52317	Valve - Solenoid, N.C., 2 Position 2 Way, 24V DC	1
-	52348	Cartidge - Solenoid Valve	-
-	52347	Coil - Solenoid Valve, 24V DC	-
5	52318	Motor - Hydraulic Power Unit	1
-	65330	Brush Set - Motor, Hydraulic Power Unit	-
6	40400	Bearing - Motor	1
7	40401	Seal - Motor	1
8	52308	Relief Valve Kit	1
9	52319	Pump - Hydraulic (includes index numbers 8 and 12)	1
-	40400	Bearing - Hydraulic Pump.....	-
10	52307	Tube - Suction, Hydraulic Power Unit	1
11	38160	Filter - Pick-up	1
12	40318	O-ring - Reservoir	1
13	38161	Gauge - Sight	1
14	52312	Reservoir Assembly with Decal (decals are listed in Section One)	1
15	38159	Breather Cap	1
16	21018	Screw - PHM, 10-24 x 0.38 inch	6
17	52309	Valve - Check	1
18	52321	Elbow - Hydraulic Power Unit	1
19	52310	Nipple - Hydraulic Power Unit	1
20	52320	Elbow - Return Tube	1

Figure 3-G

Battery Pack Module

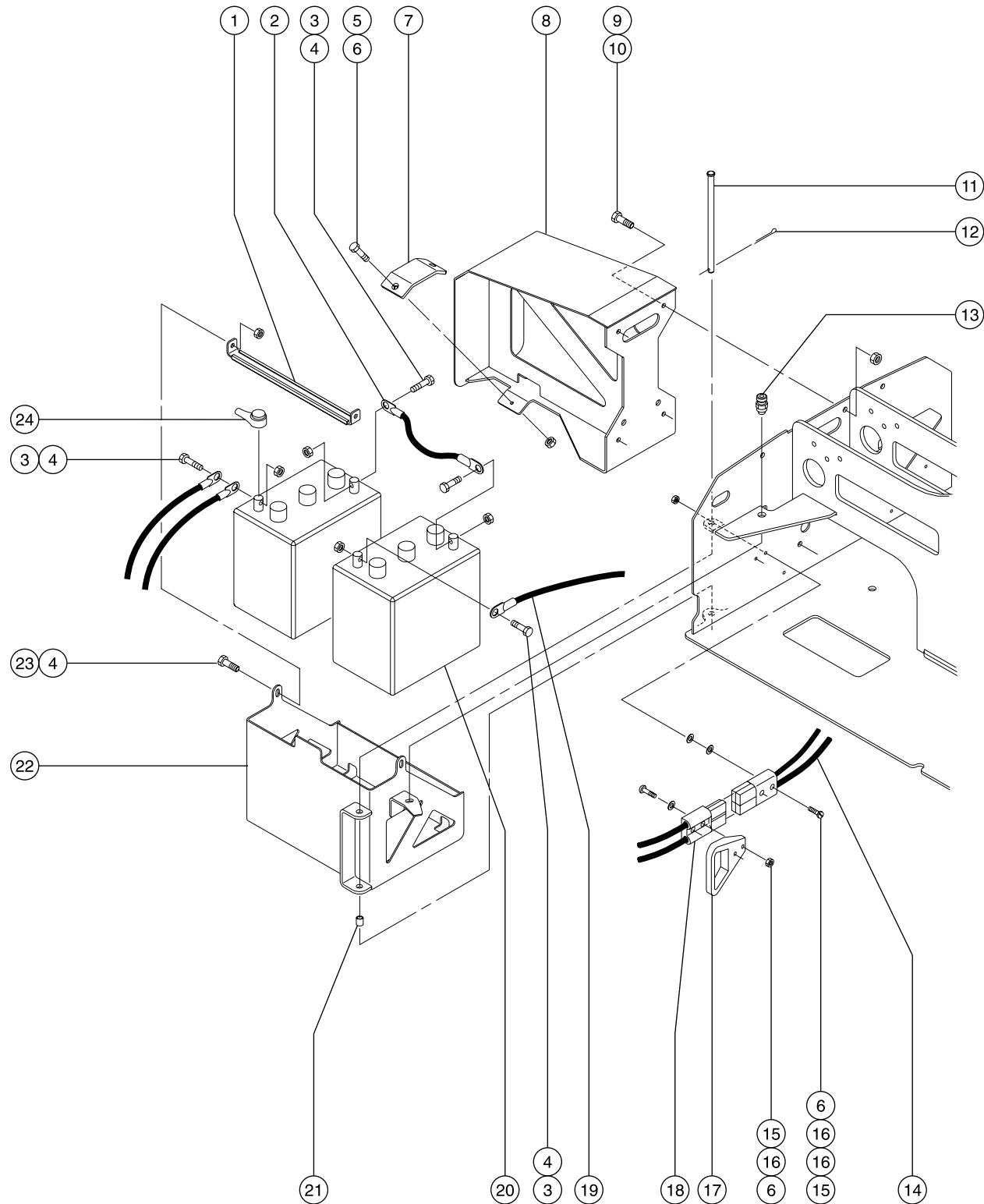


FIGURE 3-G

Index	Part No.	Description	Quantity This Figure
1	52269	Battery Hold Down Assembly	2
2	Ref.	Cable Assembly - Battery Jumper, 6.5 inches (16.5 cm) (refer to Figure 3-I)	-
3	49379	Screw - HHC, M8 x 1.25 x 25 mm, GR 8.8	4
4	25368	Nut - Nylock, M8 x 1.25 mm	6
5	49395	Screw - FHS, M6 x 1 x 20 mm, GR 9.8	2
6	49364	Nut - Nylock, M6 x 1 mm	6
7	31199	Foot Pad - Nylon	1
8	43418P	Weldment - Battery Cover	1
9	27034	Screw - HHC, M10 x 1.5 x 25 mm, GR 8.8	4
10	22736	Nut - Lock, M10 x 1.5 mm	4
11	43391	Pin - Clevis, 0.5 x 9.75 inches (1.3 x 24.8 cm)	2
12	12016	Pin - Cotter, 0.125 x 0.75 inch (3.18 x 19 mm)	2
13	33674	Pin - Snap, 0.375 x 0.25 inch (1 x 0.6 cm)	2
14	Ref.	Cable Assembly - Anderson Connector to Controller (refer to Figure 3-I)	-
-	19436	Connector - Anderson	-
15	14162	Screw - HHC, M6 x 1 x 35 mm, GR 8.8	4
16	25926	Washer - Flat, M6	4
17	44716	Handle - Anderson Connector	1
18	Ref.	Battery Cable Assembly - Battery to Anderson Connector (refer to Figure 3-I) (includes index number 17)	1
-	19436	Connector - Anderson	-
19	Ref.	Cable Assembly - Battery Jumper, 31.5 inches (80 cm) (refer to Figure 3-I)	-
20	62201	Battery - Dry, 6V, 225AH Group T105UT Case Size: 10 3/8 x 7 1/8 x 10 3/4 inches (26.4 x 18.1 x 27.3 cm)	4
21	48288	Bushing - Bronze, 0.5 x 0.875 x 0.75 inch (1.3 x 2.2 x 1.9 cm)	2
22	52272	Battery Box Assembly with Decals, Ground Controls Side (shown) (decals are listed in Section One)	2
-	43415	Weldment - Battery Box, Power Unit Side	-
23	49378	Screw - HHC, M8 x 1.25 x 16 mm, GR 8.8	4
24	8910	Boot - Cable Terminal Cover, Red	8

Figure 3-H

Turntable Covers

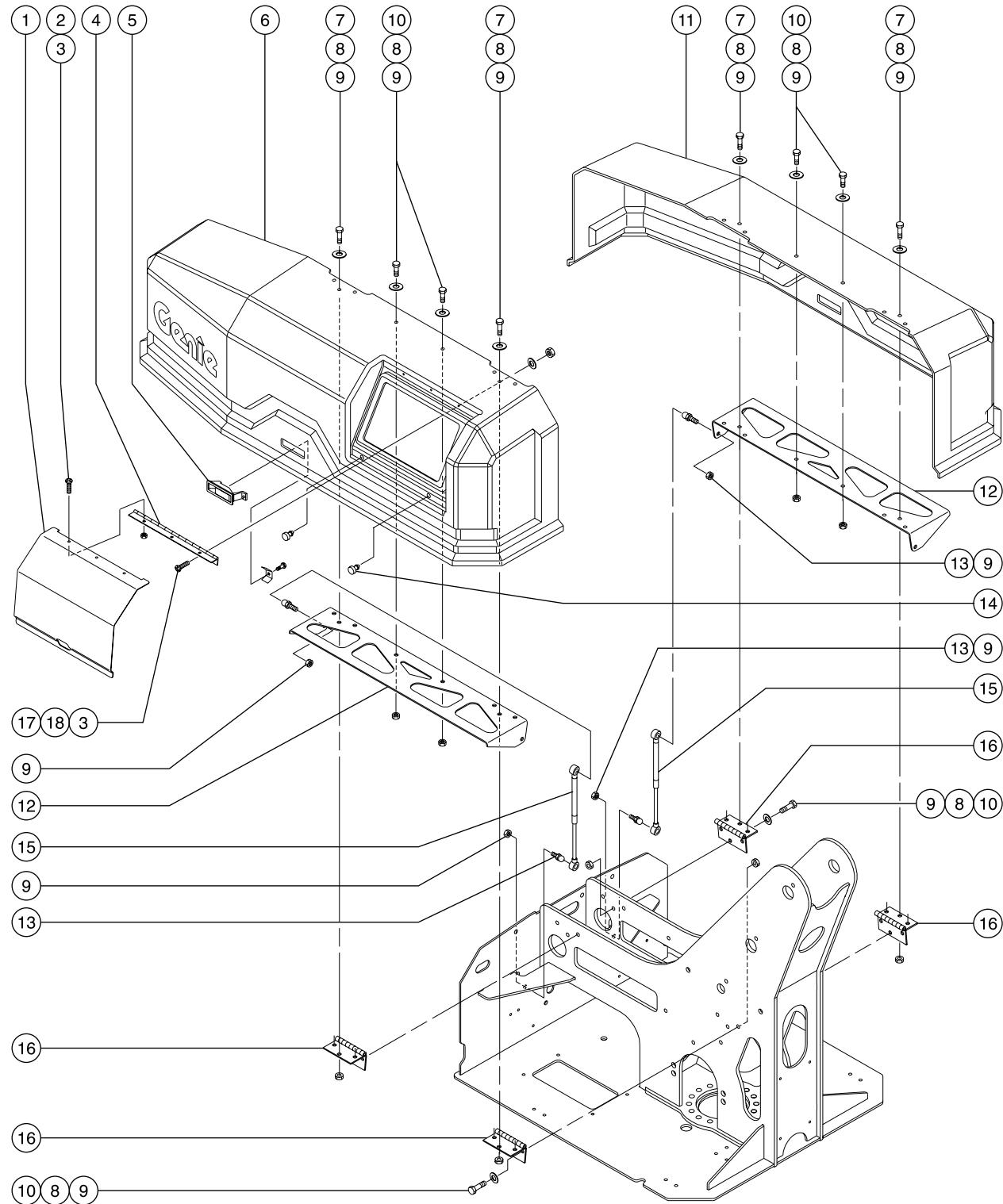


FIGURE 3-H

Index	Part No.	Description	Quantity This Figure
1	52141	Cover - Ground Controls with Decals (includes index number 2, 3 each index number 3 and index number 4) (decals are listed in Section One)	1
2	49416	Screw - PHM, M5 x 0.8 x 10 mm, GR 4.8	3
3	27082	Nut - Lock, M5 x 0.8 mm	6
4	46431	Hinge - Ground Control Box Cover	1
5	43446	Latch - Locking (includes mounting fasteners, bracket and keys)	1
-	52293	Key	-
6	52139	Turntable Cover Assembly with Decals, Ground Controls Side (includes index numbers 1 through 5 and 14) (decals are listed in Section One)	1
7	49379	Screw - HHC, M8 x 1.25 x 25 mm, GR 8.8	12
8	33277	Washer - Flat, M8	28
9	25368	Nut - Nylock, M8 x 1.25 mm	32
10	23057	Screw - HHC, M8 x 1.25 x 20 mm, GR 8.8	16
11	52140	Turntable Cover Assembly with Decals, Power Unit Side (includes index number 5) (decals are listed in Section One)	1
12	46420P	Bracket - Cover Stiffener	2
13	52142	Ball Stud	4
14	46716	Bumper - Rubber	2
15	43471	Gas Strut (includes index number 13)	4
16	43447	Hinge, 2 x 2 x 4 inches (5.08 x 5.08 x 10.16 cm)	4
17	49417	Screw - PHM, M5 x 0.8 x 16 mm, GR 4.8	3
18	49413	Washer - Flat, M5	3

Figure 3-I

Power Cables - Turntable

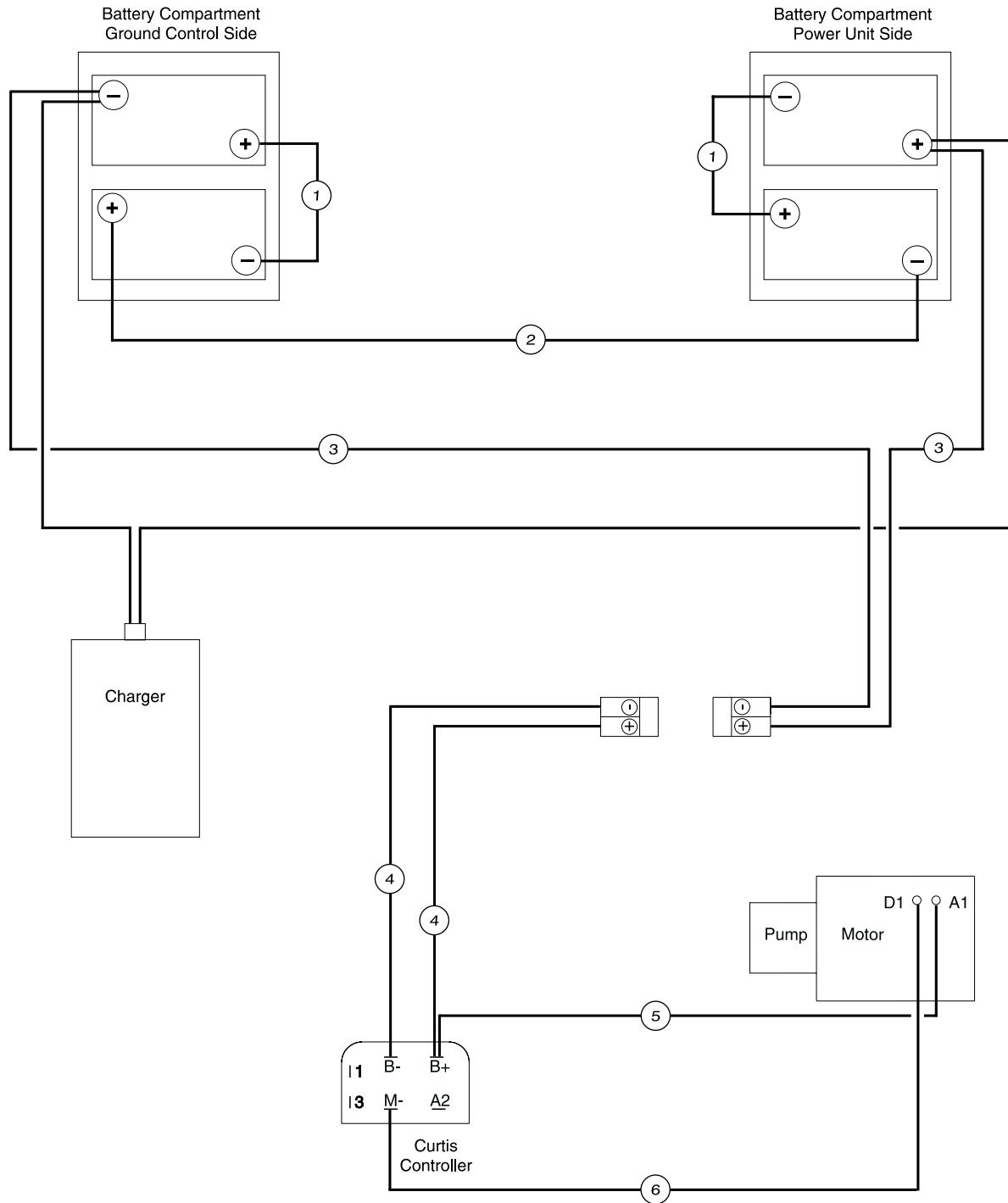


FIGURE 3-I

Index	Part No.	Description	Quantity This Figure
1	44713-S	Cable Assembly - Battery Jumper, Black, 6.5 inches (16.5 cm)	2
2	44712	Cable Assembly - Battery, Jumper, Black, 31.5 inches (80 cm)	1
3	44710	Cable Assembly - Battery to Anderson Connector	1
-	19436	Anderson Connector	-
4	44711	Cable Assembly - Anderson Connector to Controller	1
-	19436	Anderson Connector	-
-	55023-200	Cover - Plastic, Battery Terminal, Motor Controller, 1 x 0.035 inch	1
5	48284	Cable Assembly - Motor to Controller, Red, 10.5 inches (26.7 cm)	1
-	55023-200	Cover - Plastic, Battery Terminal, Motor Controller, 1 x 0.035 inch	1
6	44727	Cable Assembly - Motor to Controller, Black, 10.5 inches (26.7 cm)	1

Figure 3-J

Hydraulic Hoses and Fittings

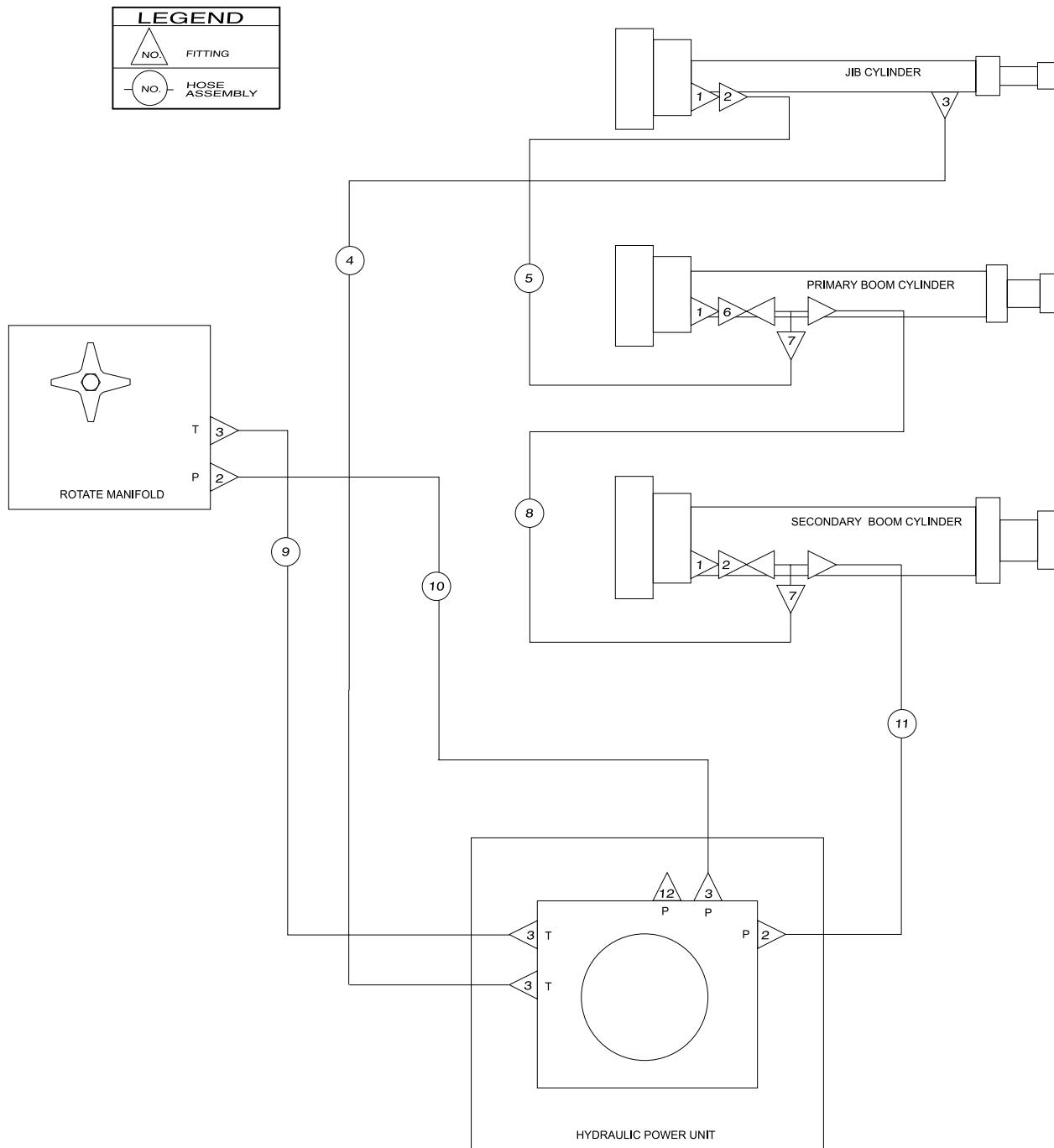


FIGURE 3-J

ORFS refers to an O-Ring Face Seal Fitting.

Index	Part No.	Description	Quantity	This Figure
–	49613	Plug and Cap Kit (services O-Ring Face Seal Fittings)	–	–
–	49612	O-Ring Kit (services O-Ring Face Seal Fittings)	–	–
1	55558	Orifice - Disc, 0.037 inch (0.9 mm)	3	
2	48912	Fitting - Connector, 4 ORFS x 6 SAE (SAE 520120)	4	
3	48911	Fitting, 90° Elbow, 4 ORFS x 6 SAE (SAE 520220)	5	
4	49419	Hose Assembly - Components: B , B and A @ 492 inches (1249.7 cm)	1	
5	46140	Hose Assembly - Components: B , C and A @ 235 inches (596.9 cm)	1	
6	49418	Fitting, 45° Elbow, 4 ORFS x 6 SAE (SAE 520320)	1	
7	48908	Fitting - Swivel Run Tee, 4 ORFS x 4 SAE (SAE 520432)	2	
8	46141	Hose Assembly - Components: B , C and A @ 215 inches (546.1 cm)	1	
9	46145	Hose Assembly - Components: B , C and A @ 33.5 inches (85.1 cm)	1	
10	46144	Hose Assembly - Components: B , C and A @ 30.5 inches (77.5 cm)	1	
11	46142	Hose Assembly - Components: B , B and A @ 36 inches (91.4 cm)	1	
12	28890	Fitting - Diagnostic Nipple, No. 6 Port	1	

Hose Assembly Components List - Figure 3-J

- A** Hose, 1/4 inch (Parker No. 451TC-4)
 - B** Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4)
 - C** Hose End - Female, Swivel, 90°, ORFS (Parker No. 1J943-4)
-

Notes

Section Four

Boom Components

Figure 4-A

Secondary Boom - View 1

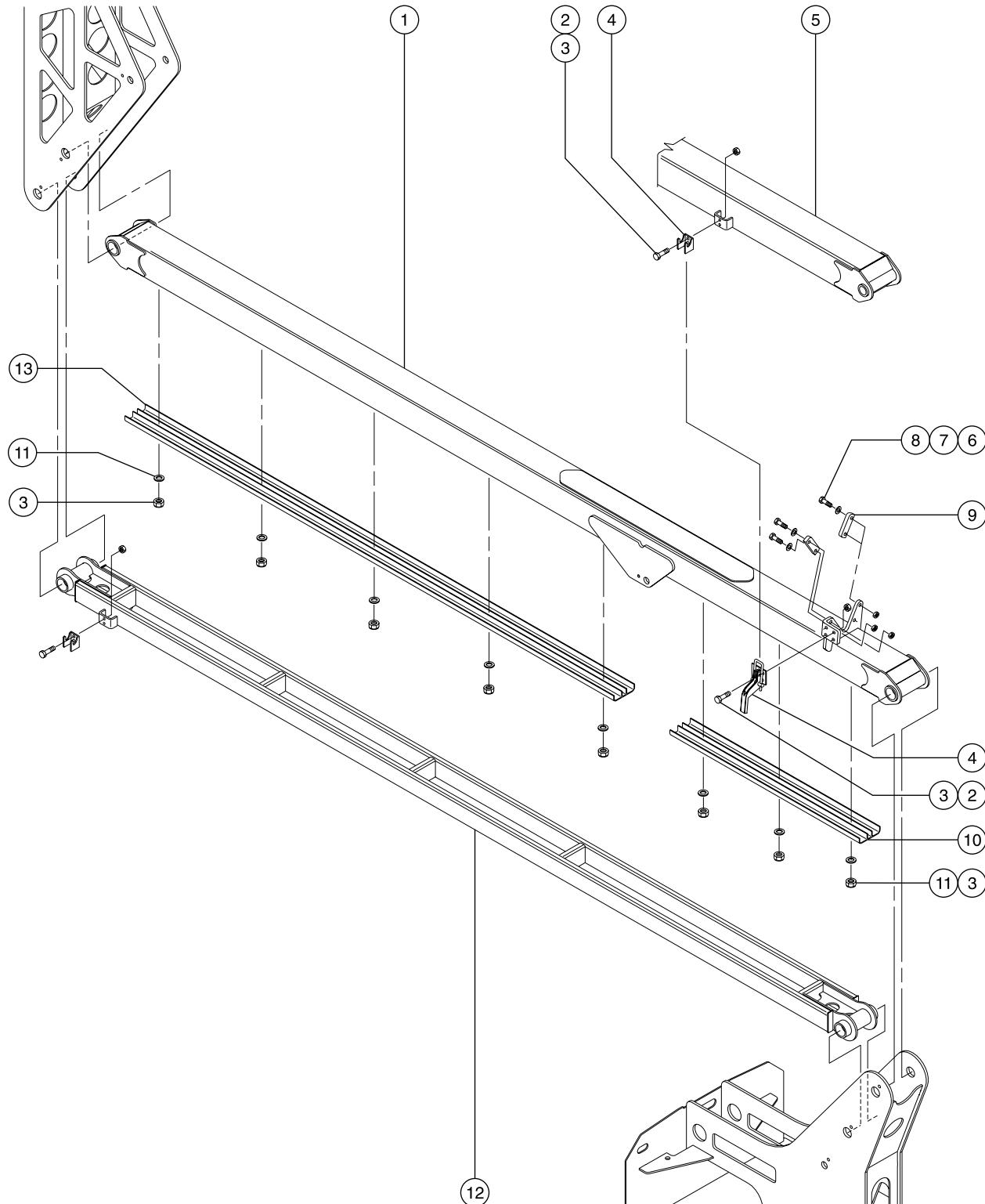


FIGURE 4-A

Index	Part No.	Description	Quantity This Figure
1	52153	Secondary Boom Assembly with Decal (decals are listed in Section One)	1
2	49379	Screw - HHC, M8 x 1.25 x 25 mm, GR 8.8	6
3	25368	Nut - Nylock, M8 x 1.25 mm	14
4	43456	Clamp - Mast Hold Down	1
5	52280	Primary Boom Assembly with Decals (refer to Figure 4-C) (decals are listed in Section One)	1
6	25548	Screw - HHC, M10 x 1.5 x 40 mm, GR 8.8	4
7	22700	Washer - Lock, M10	4
8	22736	Nut - Lock, M10 x 1.5 mm	4
9	41807	Wear Pad, 3.25 x 0.5 x 1 inch (8.26 x 1.27 x 2.54 cm)	2
10	43461	Guard - Cable, 36 inches (236.2 cm)	1
11	22699	Washer - Flat, M10	8
12	52154	Secondary Linkage Assembly (refer to Figure 4-B)	1
13	43462	Guard - Cable, 93 inches (91.4 cm)	1

Figure 4-B

Secondary Boom - View 2

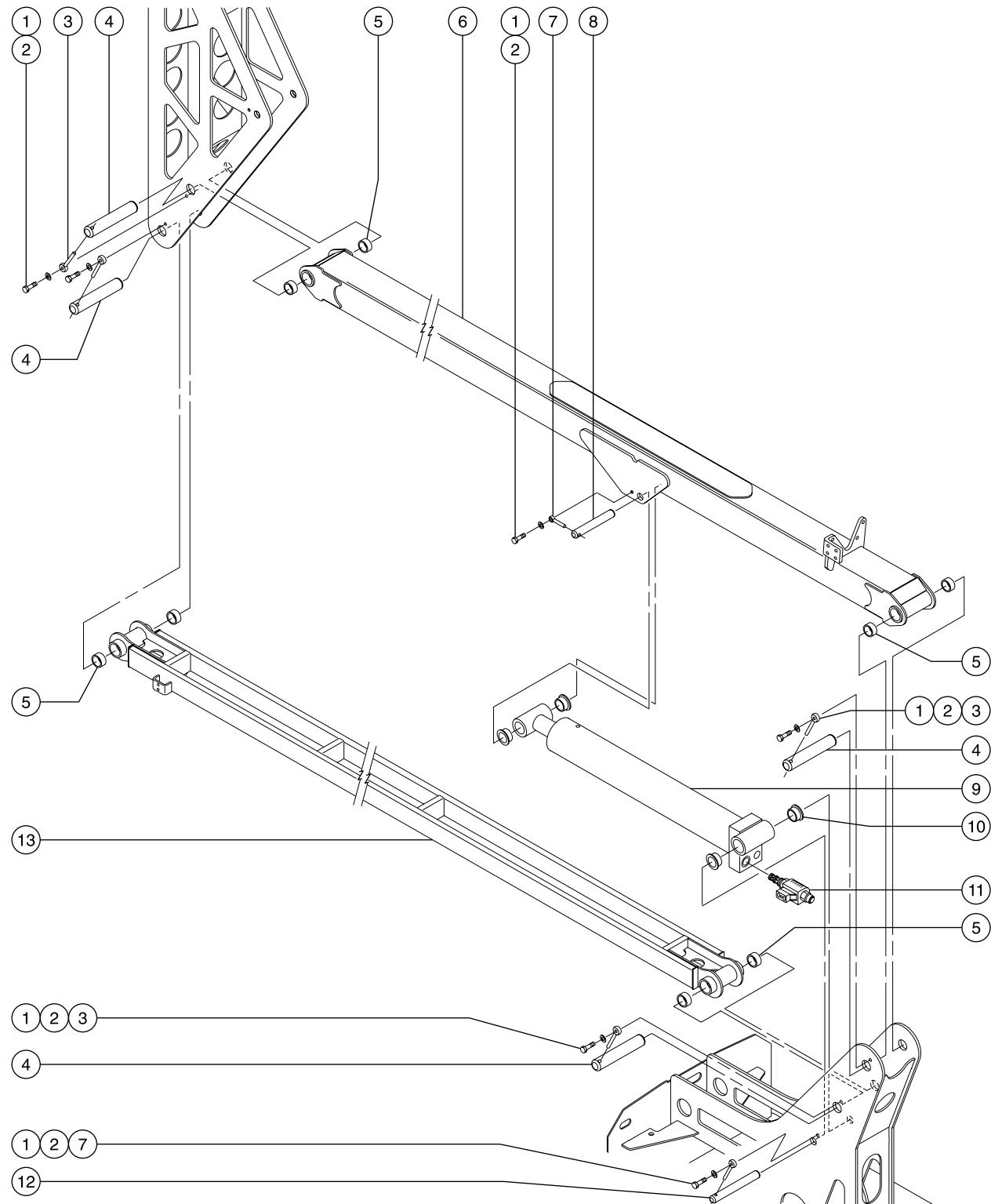


FIGURE 4-B

Index	Part No.	Description	Quantity This Figure
1	27034	Screw - HHC, M10 x 1.5 x 25 mm, GR 8.8	6
2	22700	Washer - Lock, M10	6
3	43459	Rod End, 0.375 x 3.69 inches (0.95 x 9.37 cm)	3
4	41860	Pin - Secondary Boom, 8.25 x 1.5 inches (20.96 x 3.81 cm)	4
5	41858	Bearing - Flange, 1.51 x 1.75 x 0.84 inch (3.8 x 4.45 x 2.13 cm)	8
6	52153	Secondary Boom Assembly with Decal (includes 4 of index number 5) (decals are listed in Section One)	1
7	43460	Rod End, 0.375 x 2.25 inches (0.95 x 5.76 cm)	2
8	41862	Pin - Lift Cylinder, 6.88 x 1 inch (17.48 x 2.54 cm)	1
9	41891	Cylinder - Lift, Secondary	1
-	52303	Seal Kit - Secondary Cylinder	-
10	36245	Bearing, 1 x 1.25 x 0.84 inch (2.54 x 3.18 x 2.13 cm)	4
11	41880	Valve - Solenoid, N.C., Bi-directional, Complete	1
-	52338	Cartridge - Solenoid Valve	-
-	52339	Coil - Solenoid Valve	-
-	52340	Nut - Solenoid Valve	-
12	41861	Pin - Secondary Boom, Lift Cylinder, 8.13 x 1 inch (20.65 x 2.54 cm)	1
13	52154	Secondary Linkage Assembly (includes 4 of index number 5)	1

Figure 4-C

Primary Boom

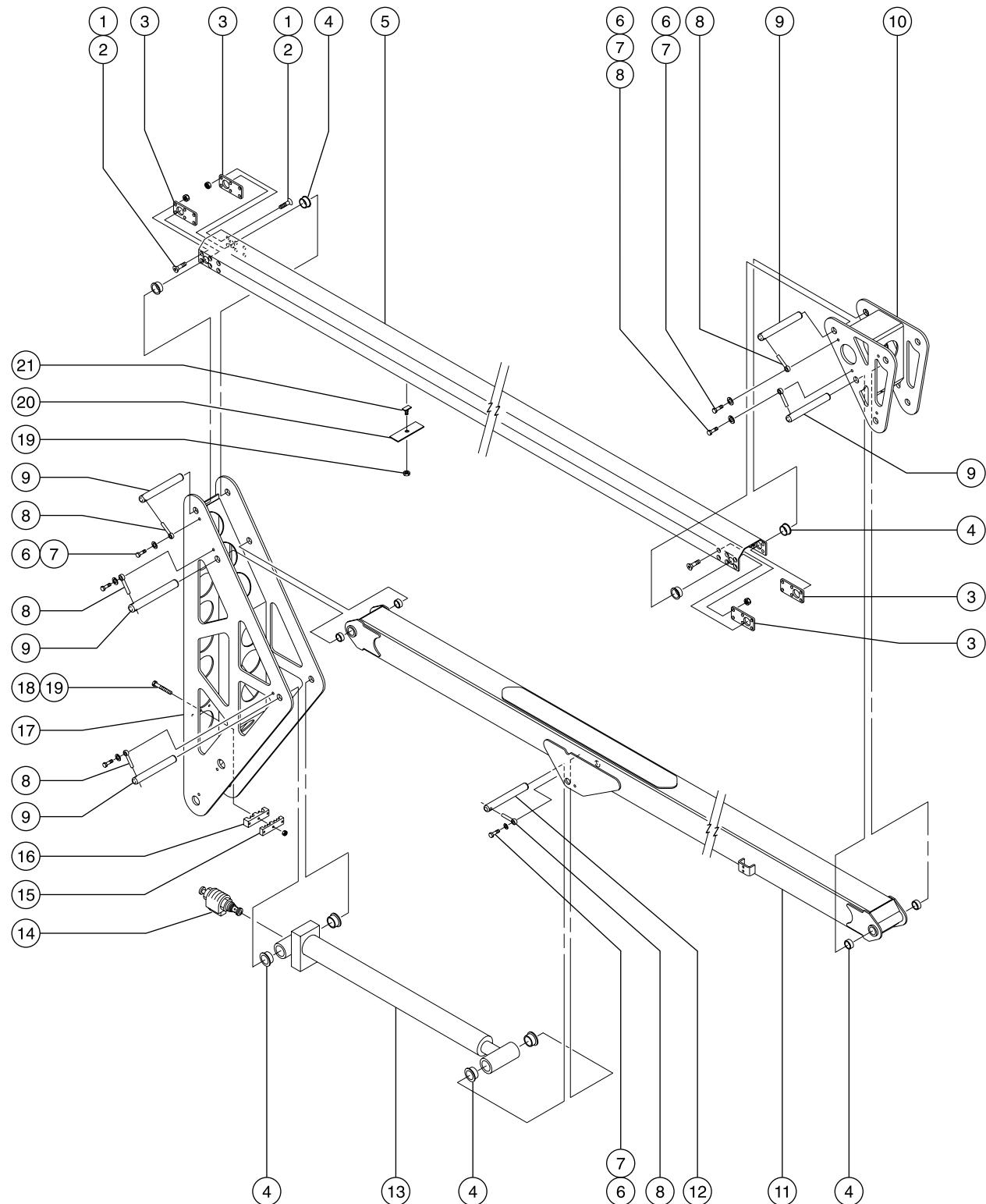


FIGURE 4-C

Index	Part No.	Description	Quantity This Figure
1	49399	Screw - FHS, M10 x 1.5 x 25 mm, GR 9.8	24
2	22736	Nut - Lock, M10 x 1.5 mm	24
3	41806P	Plate - Reinforcement.....	4
4	36245	Bearing, 1 x 1.25 x 0.84 inch (2.54 x 3.18 x 2.13 cm)	12
5	41805	Extrusion - Primary Links	1
6	49393	Screw - HHC, M10 x 1.5 x 20 mm, GR 8.8	4
7	22700	Washer - Lock, M10	6
8	43460	Rod End, 0.375 x 2.25 inches (0.95 x 5.76 cm)	7
9	41861	Pin - Linkage, 8.13 x 1 inch (20.65 x 2.54 cm)	5
10	52232	Jib Pivot Assembly	1
11	52280	Primary Boom Assembly with Decals (includes 4 of index number 4) (decals are listed in Section One)	1
12	41862	Pin - Lift Cylinder, 6.88 x 1 inch (17.48 x 2.54 cm)	1
13	41890	Cylinder - Lift, Primary	1
-	52304	Seal Kit - Primary Cylinder	-
14	41880	Valve - Solenoid, N.C., Bi-directional, Complete	1
-	52338	Cartridge - Solenoid Valve	-
-	52339	Coil - Solenoid Valve	-
-	52340	Nut - Solenoid Valve	-
15	48283	Clamp - Hose Router, 1 x 0.56 x 4 inches (2.54 x 1.4 x 10.2 cm)	2
16	46723	Clamp - Hose Router, 1 x 1 x 4 inches (2.54 x 2.54 x 10.2 cm)	2
17	52231	Boom Pivot Assembly with Decals (decals are listed in Section One)	1
18	25930	Screw - HHC, M6 x 1 x 55 mm, GR 8.8	6
19	49364	Nut - Nylock, M6 x 1 mm	11
20	41818P	Bracket - Cable	5
21	55068	Bolt - Tee, M6 x 1 x 10 mm	5

Figure 4-D

Jib Boom

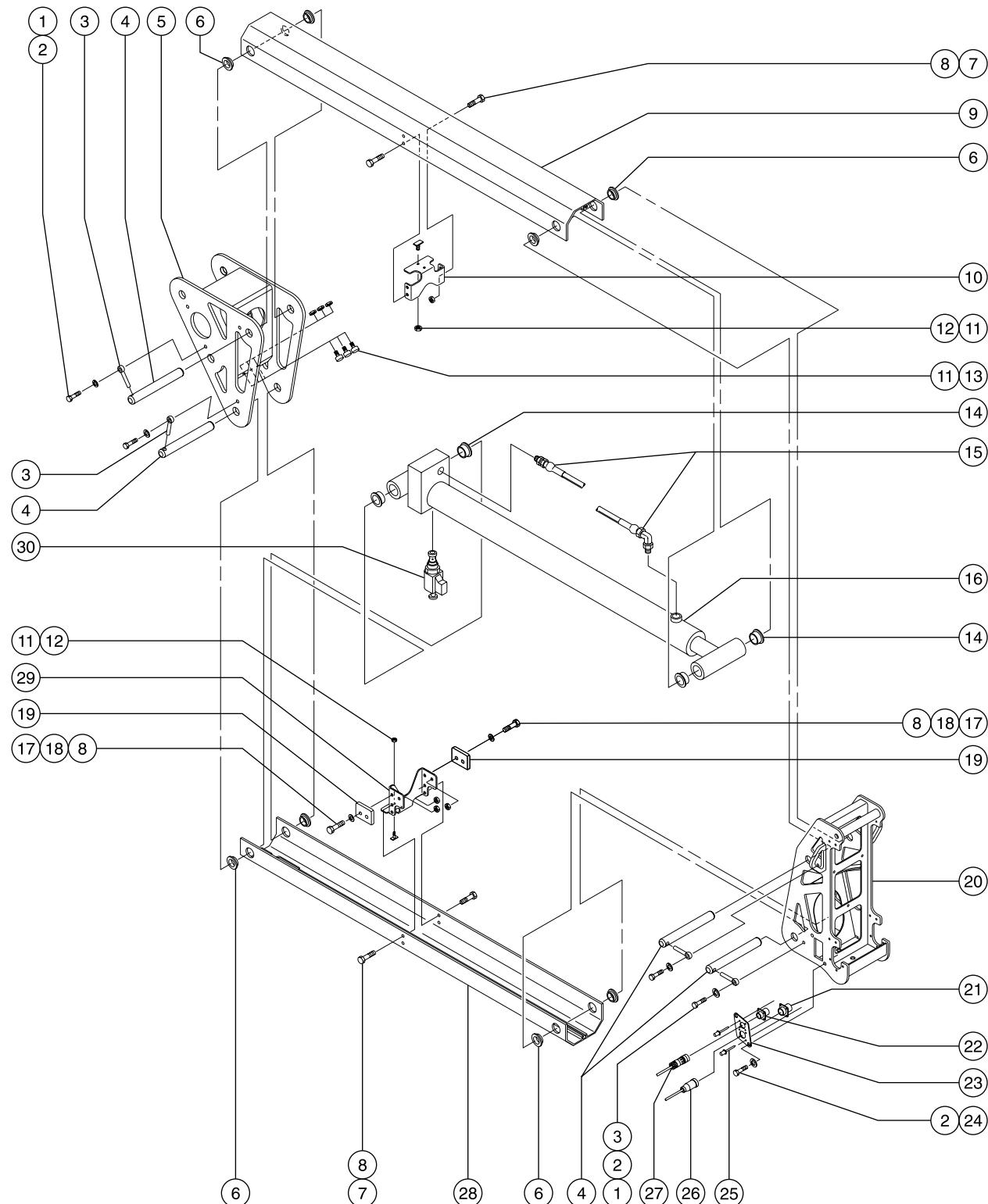


FIGURE 4-D

Index	Part No.	Description	Quantity This Figure
1	49393	Screw - HHC, M10 x 1.5 x 20 mm, GR 8.8	4
2	22700	Washer - Lock, M10	6
3	43460	Rod End, 0.375 x 2.25 inches (1.0 x 5.7 cm)	4
4	41861	Pin - Secondary Boom, 8.13 x 1 inch (20.65 x 2.54 cm)	4
5	52232	Jib Pivot Assembly (includes index numbers 11 and 13)	1
6	41857	Bearing, 1 x 1.25 x 0.313 inch (2.5 x 3.2 x 0.8 cm)	8
7	49379	Screw - HHC, M8 x 1.25 x 25, GR 8.8	8
8	25368	Nut - Nylock, M8 x 1.25 mm	12
9	41828	Jib Boom - Upper	1
10	44730P	Plate - Jib Reinforcement, Upper	1
11	49364	Nut - Nylock, M6 x 1 mm	3
12	55068	Bolt - Tee, M6 x 1 x 10 mm	4
13	48319	Bumper - Vibration Mount	3
14	36245	Bearing, 1 x 1.25 x 0.84 inches (2.5 x 3.2 x 2.1 cm)	4
15	Ref.	Hydraulic Hoses and Fittings (refer to Figure 3-J)	-
16	41889	Cylinder - Lift, Jib	1
-	52305	Seal Kit - Jib Cylinder	-
17	23057	Screw - HHC, M8 x 1.25 x 20 mm, GR 8.8	6
18	22699	Washer - Flat, M10	4
19	48228	Wear Pad - Jib Reinforcement	2
20	52279	Platform Pivot Assembly	1
21	Ref.	Wire Harness - Taillights, Jib Boom to Base (refer to Figure 4-E)	1
22	44693	Wire Harness - Platform, Jib Boom to Ground Control Box	1
-	33590	Connector - Wire Harness, Female Panel Mount	-
-	33579	Pin - Connector, Male	-
23	46419P	Plate - Connector Mount	1

This parts list continues. Please turn the page

FIGURE 4-D

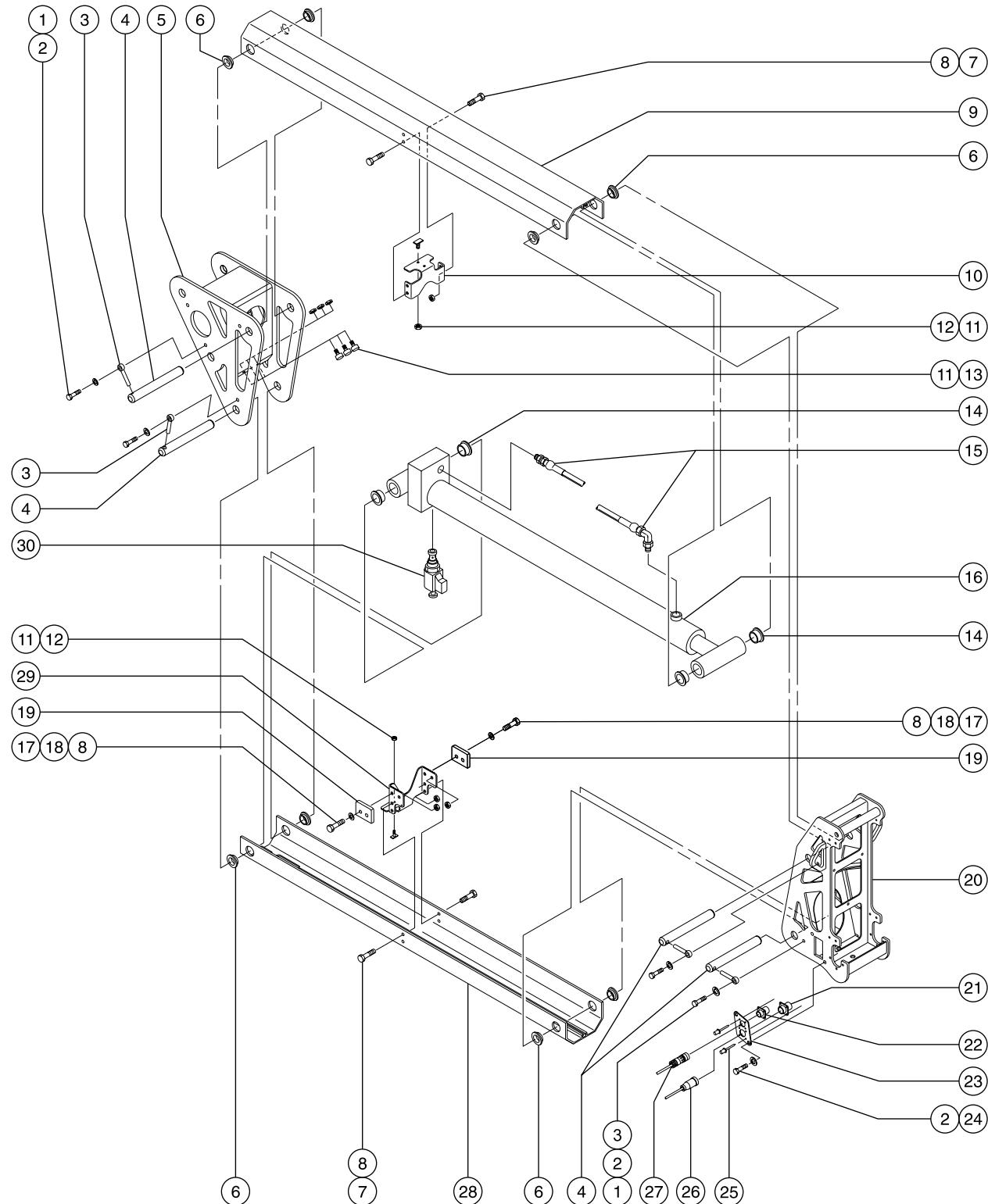
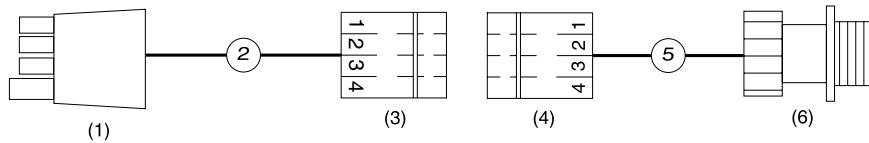


FIGURE 4-D

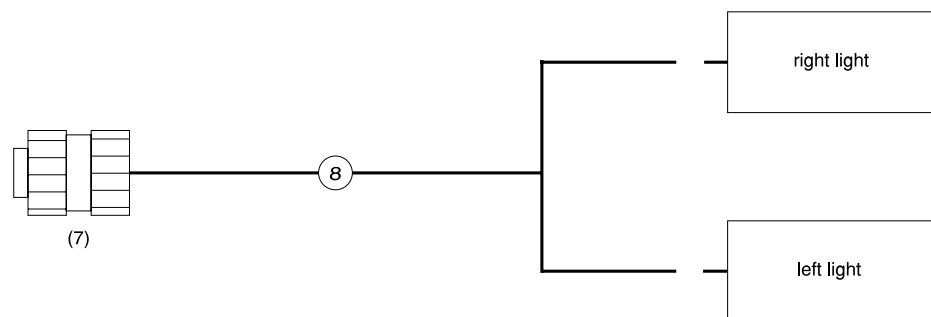
Index	Part No.	Description	Quantity This Figure
24	49387	Screw - HHC, M10 x 1.5 x 12 mm, GR 8.8	2
25	55096	Rivet - Aluminum, 0.125 x 0.337 inch (3.2 x 8.6 mm)	8
26	Ref.	Wire Harness - Taillights, Jib to Taillights (refer to Figure 4-E)	-
27	58918	Wire Harness - Platform, Jib Boom to Platform Control Box	1
-	33578	Connector - Wire Harness, Male	-
-	33580	Pin - Connector, Female	-
28	41829	Jib Boom - Lower	1
29	48227P	Plate - Jib Boom Reinforcement, Lower	1
30	41880	Valve - Solenoid, N.C., Bi-directional, Complete	1
-	52338	Cartridge - Solenoid Valve	-
-	52339	Coil - Solenoid Valve	-
-	52340	Nut - Solenoid Valve	-

Figure 4-E

Wire Harness - Taillights



Domestic Models



CE Models

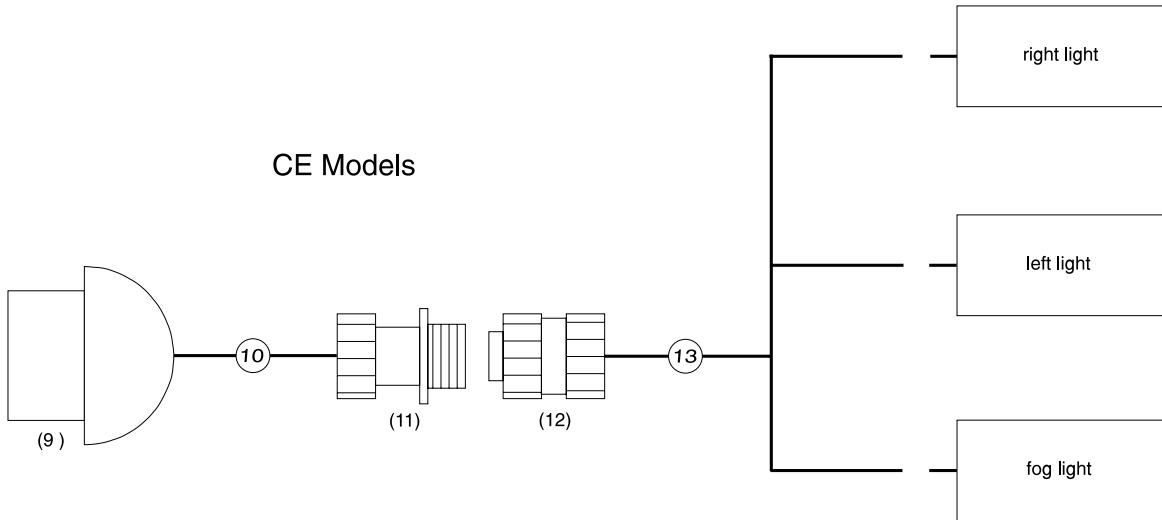


FIGURE 4-E

Index	Part No.	Description	Quantity This Figure
-	65325-S	Wire Harness - Taillights, Jib Boom to Base, Domestic (includes index numbers 1 through 6)	-
-	59505	Wire Harness - Taillights, Taillights to Base, CE (includes index numbers 10 through 13).....	-
1	59577	Plug - Trailer, Domestic	1
2	46731	Wire Harness - Taillight, 4 Pin Plug Connector to Hitch Connector, Domestic (includes index numbers 1 and 3).....	1
3	46444	Connector - 4 Pin Plug Connector	1
-	46446	Socket - Connector, 4 Pin Plug Connector	4
4	46443	Connector - 4 Pin Receptacle Connector	1
-	46445	Pin - Connector, 4 Pin Receptacle Connector	4
5	46732	Wire Harness - Taillight, Jib Boom to 4 Pin Receptacle Connector, Domestic (includes index numbers 4 and 6)	1
6	46438	Connector - Female Panel Mount	1
-	33579	Pin - Connector, Male	4
7	46437	Connector - Wire Harness, Male	1
-	33580	Pin - Connector, Female	4
8	65324-S	Wire Harness - Taillights, Jib to Taillights (includes index number 7)	1
9	55118	Plug - Trailer, CE	1
10	65398-S	Wire Harness - Taillight, Jib Boom to Base, CE (includes index numbers 9 and 11)	1
11	33578	Connector - Wire Harness, Male Panel Mount	1
-	33580	Pin - Connector, Female	7
12	33590	Connector - Wire Harness, Female	1
-	33579	Pin - Connector, Male	7
13	65399-S	Wire Harness - Taillight, Jib Boom to Taillights, CE (includes index number 12)	1

Notes

Section Five

Platform Components

Figure 5-A

Platform Installation

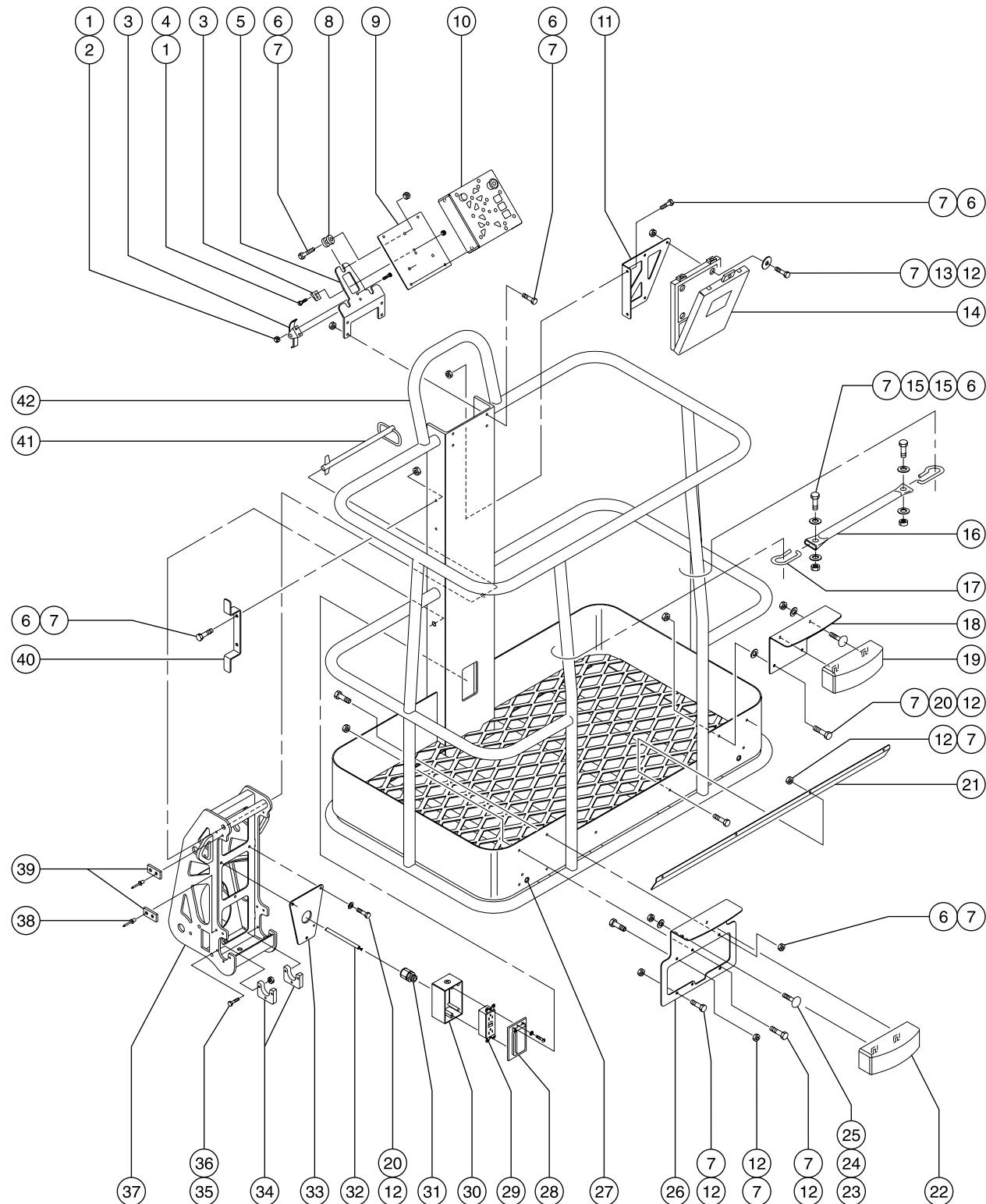


FIGURE 5-A

Index	Part No.	Description	Quantity This Figure
1	49363	Nut - Nylock, M4 x 0.7 mm	4
2	49404	Screw - HHC, M4 x 0.7 x 16	2
3	44719	Latch - Over Center	1
4	49371	Screw - PHM, M4 x 0.7 x 10 mm, GR 4.8	2
5	44933P	Plate - Platform Box Mount	1
6	22578	Screw - HHC, M6 x 1 x 20 mm, GR 8.8	14
7	49364	Nut - Nylock, M6 x 1 mm	21
8	44722	Stud - Control Box	3
9	44687P	Plate - Mount, Platform Control Box	1
10	52284	Control Box with Lid and Decal (includes index numbers 1, 3, 4 and 6 through 9) (decals are listed in Section One)	1
11	46433P	Bracket - Instruction Mount	1
12	49375	Screw - HHC, M6 x 1 x 16 mm, GR 8.8	11
13	59506	Washer - Fender, 0.25 x 1.25 x 0.062 inch	3
14	52277	Instruction Box with Decals (decals are listed in Section One)	1
15	25926	Washer - Flat, M6	4
16	40712	Tube - Sliding Mid-rail	1
17	41292	Guide - Sliding Mid-rail	2
-	31146	Wire Loom	-
-	21121	Cable Tie - 4 inch (10.2 cm)	-
18	44645P	Bracket - Taillight Mount	1
-	Ref.	Bracket - CE (refer to Figure 5-B)	-
19	52274	Taillight - Ground Controls Side	1
-	Ref.	Taillight - CE (refer to Figure 5-B)	-
-	52276	Lens - Taillight	-
-	52275	Bulb - Taillight, Number 1157, 12.8V DC	-
-	Ref.	Taillight- CE (refer to Figure 5-B)	-
20	49407	Washer - Lock, M6	9
21	46727P	Bracket - Cable Guard	1

This parts list continues. Please turn the page.

FIGURE 5-A

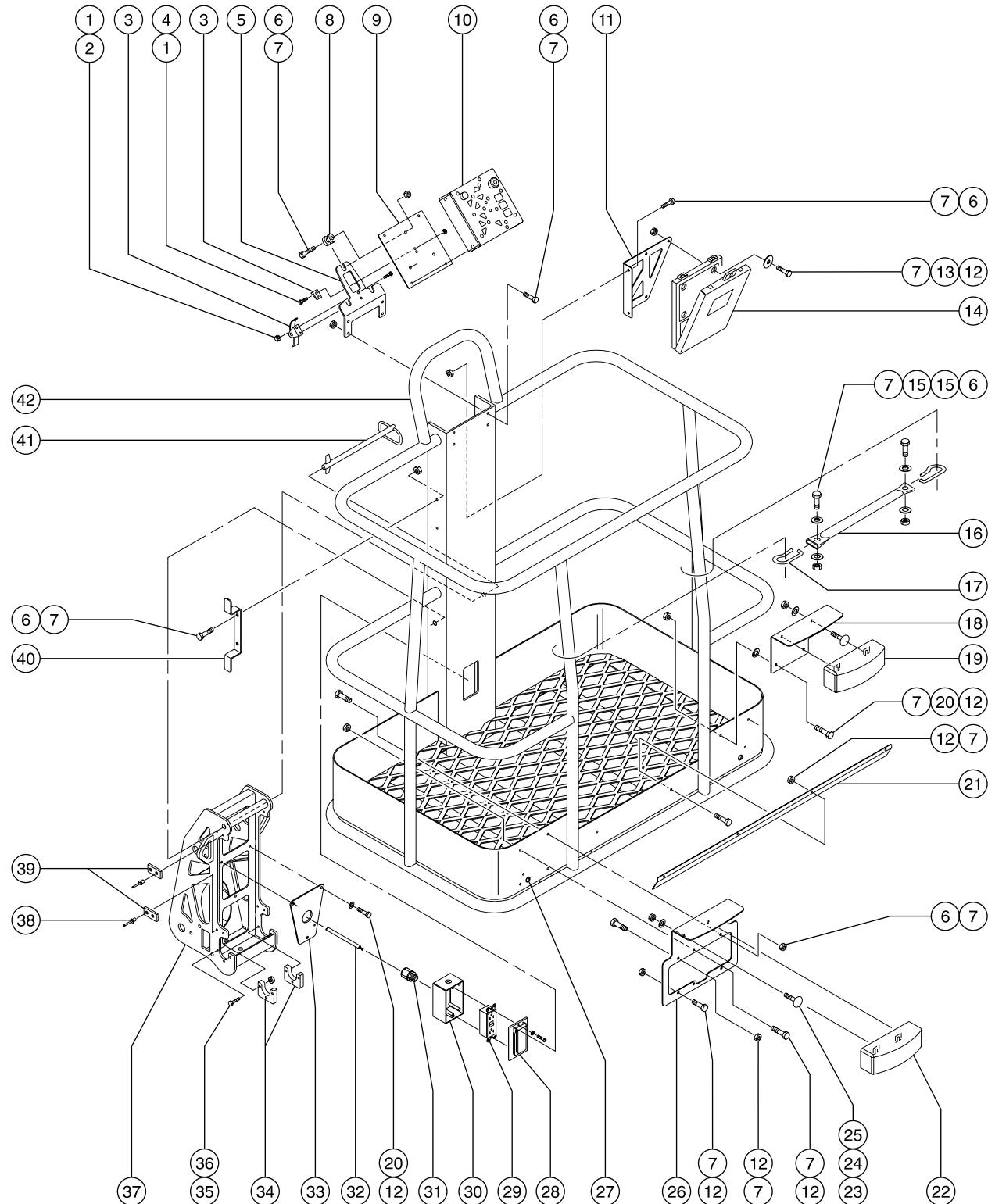


FIGURE 5-A

Index	Part No.	Description	Quantity This Figure
22	52273	Taillight - Power Unit Side	1
-	52276	Lens - Taillight	-
-	52275	Bulb - Taillight, Number 1157, 12.8V DC	-
-	Ref.	Taillight- CE (refer to Figure 5-B)	-
23	55016	Bolt - Carriage, M6 x 1.0 x 16 mm	4
24	49407	Washer - Lock, M6	4
25	55017	Nut - Hex, M6 x 1 mm	4
26	44644P	Bracket - License Mounting	1
27	24647	Grommet - Rubber, 0.375 x 0.875 inch	3
28	45437	Cover - GFCI, Weatherproof (includes gasket and mounting fasteners)	1
-	39828	Gasket - Cover	-
29	13585	Receptacle - GFCI, 110V (North American)	1
-	67506	Receptacle - 110V (United Kingdom)	-
-	67447	Receptacle - 220V (United Kingdom)	-
-	33629	Plate - Receptacle Mount (United Kingdom)	-
-	67448	Receptacle - 220V (European)	-
-	67446	Receptacle - 220V (Australian)	-
-	67452	Cover - Receptacle, Foreign	-
30	10775	T-Box (includes mounting fasteners)	1
31	7056	Squeeze Connector, 1/2 inch	1
32	48286	Electrical Cord, 18 Gauge (0.821 mm ²), 4 Conductor	560 inches (1422 cm)
33	46418P	Plate - Box Outlet Mount (shown)	1
-	67677	Plate - Box Outlet Mount (United Kingdom)	-
34	46729	Guide - Platform Alignment	2
35	23057	Screw - HHC, M8 x 1.25 x 20 mm, GR 8.8	6
36	25368	Nut - Nylock, M8 x 1.25 mm	6
37	52279	Platform Pivot Assembly (includes index numbers 33 through 36, 38 and 39)	1
38	41695	Rivet - Steel, 0.188 x 0.5 inch (4.78 x 12.7 mm)	4
39	39474	Wear Pad - Platform, 2 x 1 x 0.188 (5.1 x 2.5 x 0.5 cm)	2
40	38456P	Bracket - Cable Wrap	1
41	48301	Pin - Platform Mounting, 0.5 x 8.13 inches (1.3 x 20.7 cm)	1
42	52278	Platform Assembly with Decals (ANSI models) (decals are listed in Section One) (includes index numbers 6, 7, 11 through 17 and index number 41)	1
-	65388-S	Platform Assembly with Decals (CE and CSA models) (decals are listed in Section One) (includes index numbers 6, 7, 11 through 17 and index number 41) -	-

Figure 5-B

Light Bar Bracket - CE

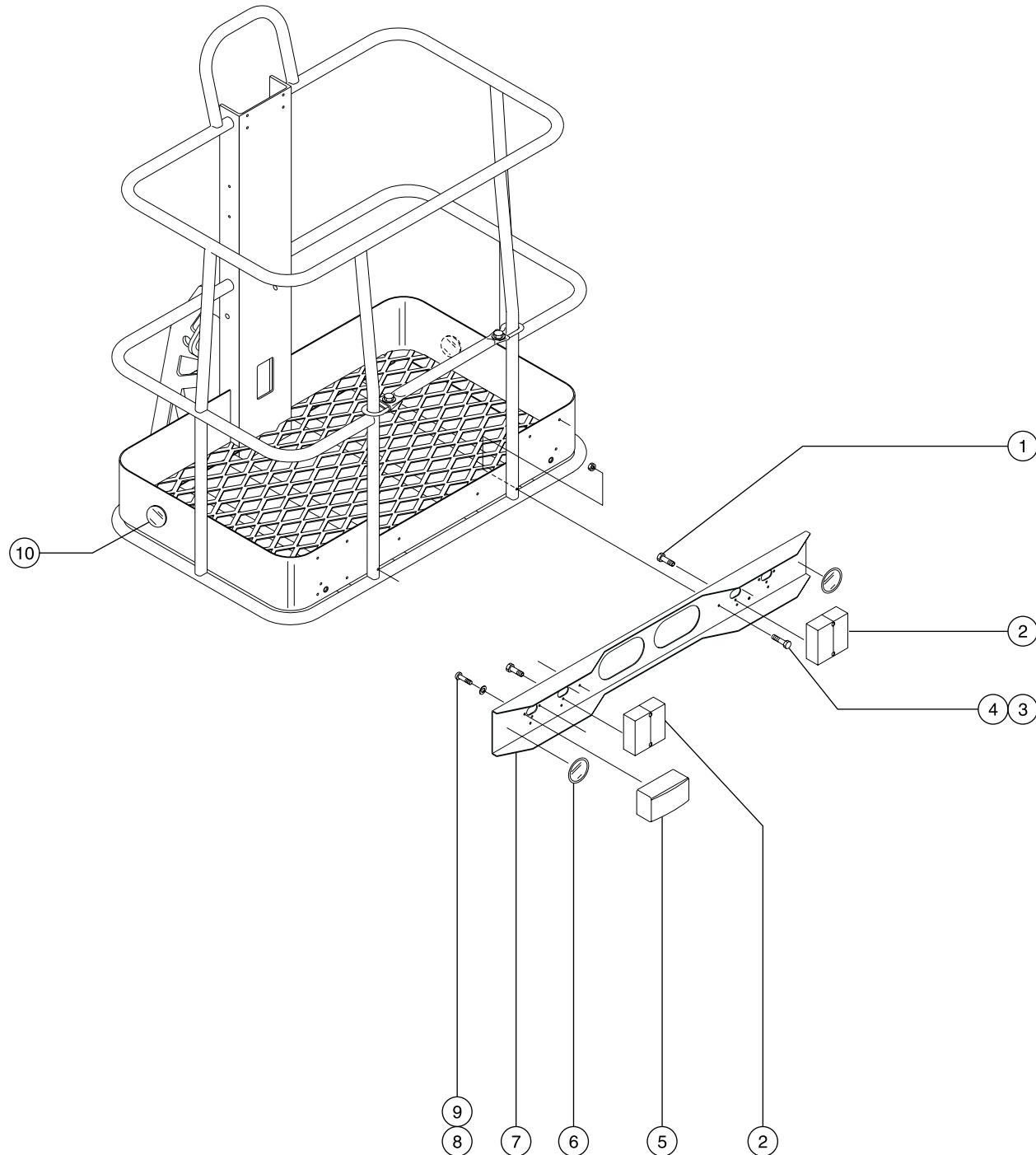


FIGURE 5-B

Index	Part No.	Description	Quantity This Figure
1	49375	Screw - HHC, M6 x 1 x 16 mm, GR 8.8	2
2	55090	Taillight	2
-	65395	Lens - Taillight	-
-	65397	Bulb - Taillight, Number 1057, 12V DC	-
3	25930	Screw - HHC, M6 x 1 x 55 mm, GR 8.8	4
4	49364	Nut - Nylock, M6 x 1 mm	4
5	55083	Foglight	1
-	65396	Lens - Foglight	-
-	65397	Bulb - Foglight, Number 1057, 12V DC	-
6	55080	Light - Reflector, Red	2
7	55047-S	Bracket - Light	1
8	49417	Screw - PHM, M5 x 0.8 x 16 mm	2
9	49407	Washer - Lock, M6	2
10	55081	Light - Reflector, Oval, Amber	2

Figure 5-C

Platform Controls

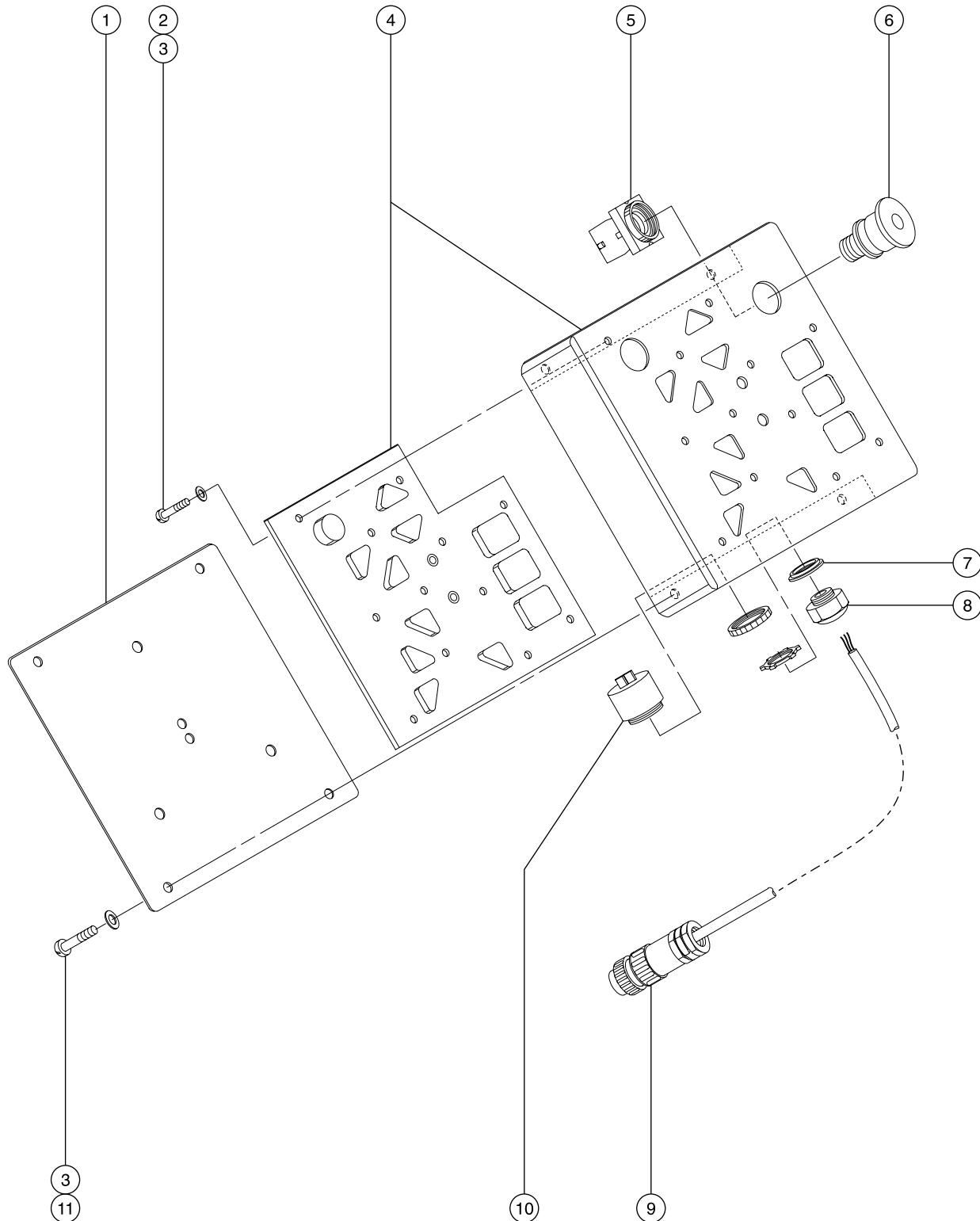


FIGURE 5-C

Index	Part No.	Description	Quantity This Figure
–	52284	Platform Control Box Assembly with Decal, Complete (decals are listed in Section One)	–
1	44687P	Plate - Mount, Platform Control Box	1
2	55027	Screw - PHM, M4 x 0.7 x 6 mm, GR 4.8.....	12
3	49406	Washer - Lock, M4	16
4	52288	Platform Control Box Lid with Decal (decals are listed in Section One) (includes index numbers 2 through 10)	1
–	44691	Overlay - Platform Control Circuit Board	–
–	44689	P.C. Board Assembly	–
5	33020	Base - Push Button (includes 1 each N.C. contact)	1
–	29732	Contact - N.C.	–
6	33321	Push Button with Base - Red Mushroom Head	1
–	35613	Push Button - Red Mushroom Head	–
–	33328	Base - Switch	–
7	52343	Seal - Rubber	1
8	52344	Strain Relief	1
9	58918	Wire Harness (refer to Figure 4-D)	–
10	45383	Alarm - Warble Tone, 15-36V AC/DC	1
11	49371	Screw - PHM, M4 x 0.7 x 10 mm, GR 4.8.....	4

Notes

Section Six

Accessories

Figure 6-A

Material Lift (before serial number 441)

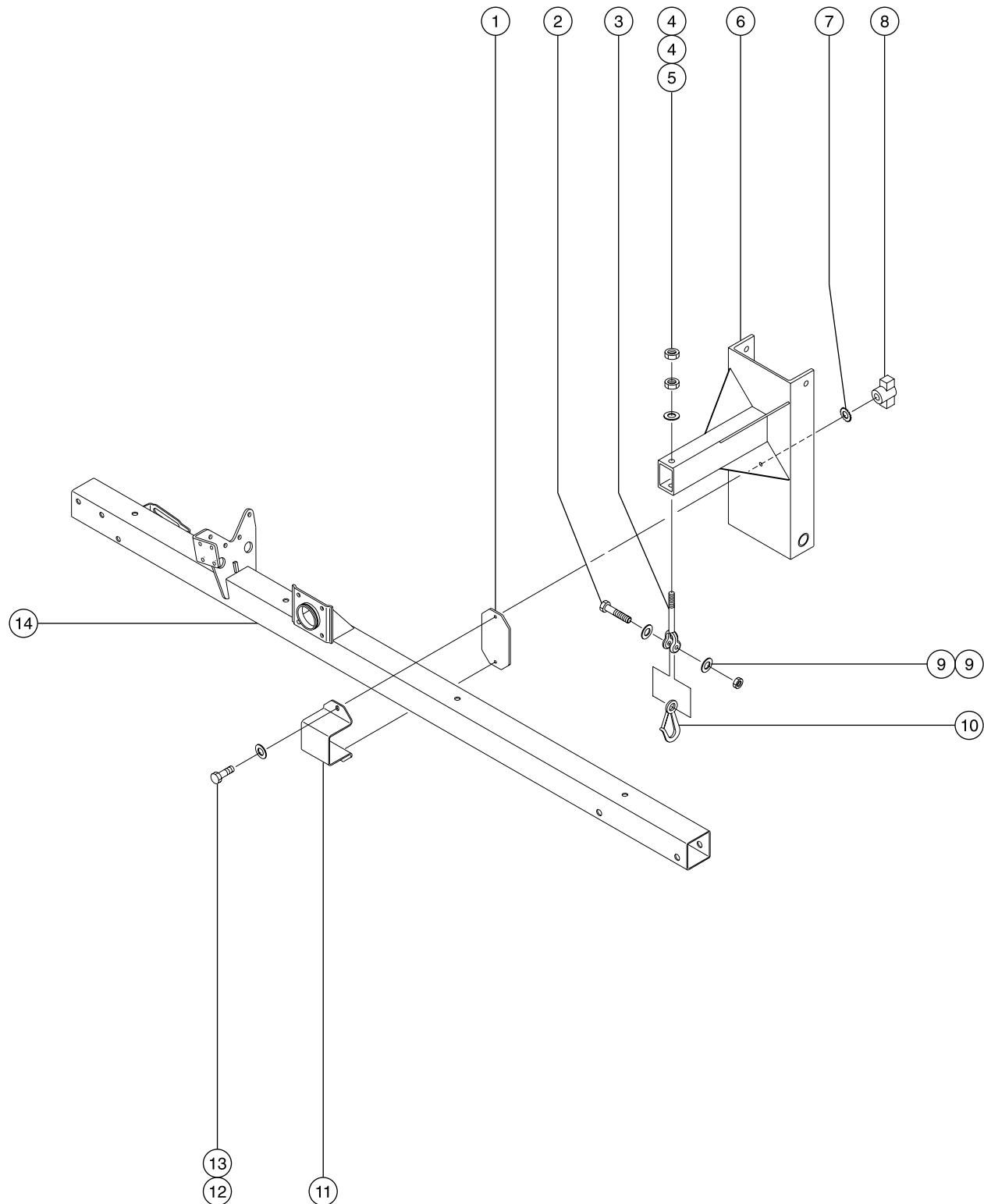


FIGURE 6-A

Index	Part No.	Description	Quantity This Figure
–	52281	Material Lift Assembly with Decals, Complete (ANSI and CE models) (decals are listed in Section One)	–
1	46149P	Plate - Material Lift.....	1
2	65192	Screw - HHC, 3/8 -16 x 1.875 inches, galvanized	1
3	52286	Clevis Assembly (includes index numbers 2, 4, 5 and 9)	1
4	22571	Nut - Hex, M8 x 1.25 mm.....	2
5	46447	Washer - Thrust, 0.5 x 1 x 0.063 inch (12.7 x 25.4 x 1.6 cm)	1
6	52350	Material Lift Carriage with Decal (ANSI and CE) (decals are listed in Section One) ...	1
–	65193-S	Material Lift Carriage with Decal (CSA) (decals are listed in Section One)	–
7	49408	Washer - Lock, M8	2
8	46428	Nut - Wing, M8 x 1.25 mm, Plastic	2
9	22699	Washer - Flat, M10	2
10	43443	Hook - Material Lift	1
11	46150P	Bracket - Material Lift	1
12	49379	Screw - HHC, M8 x 1.25 x 0.25 mm, GR 8.8	2
12	33277	Washer - Flat, M8	2
13	Ref.	Tongue Assembly with Decal (refer to Figure 2-A) (decals are listed in Section One)	–

Figure 6-B
Material Lift (after serial number 440)

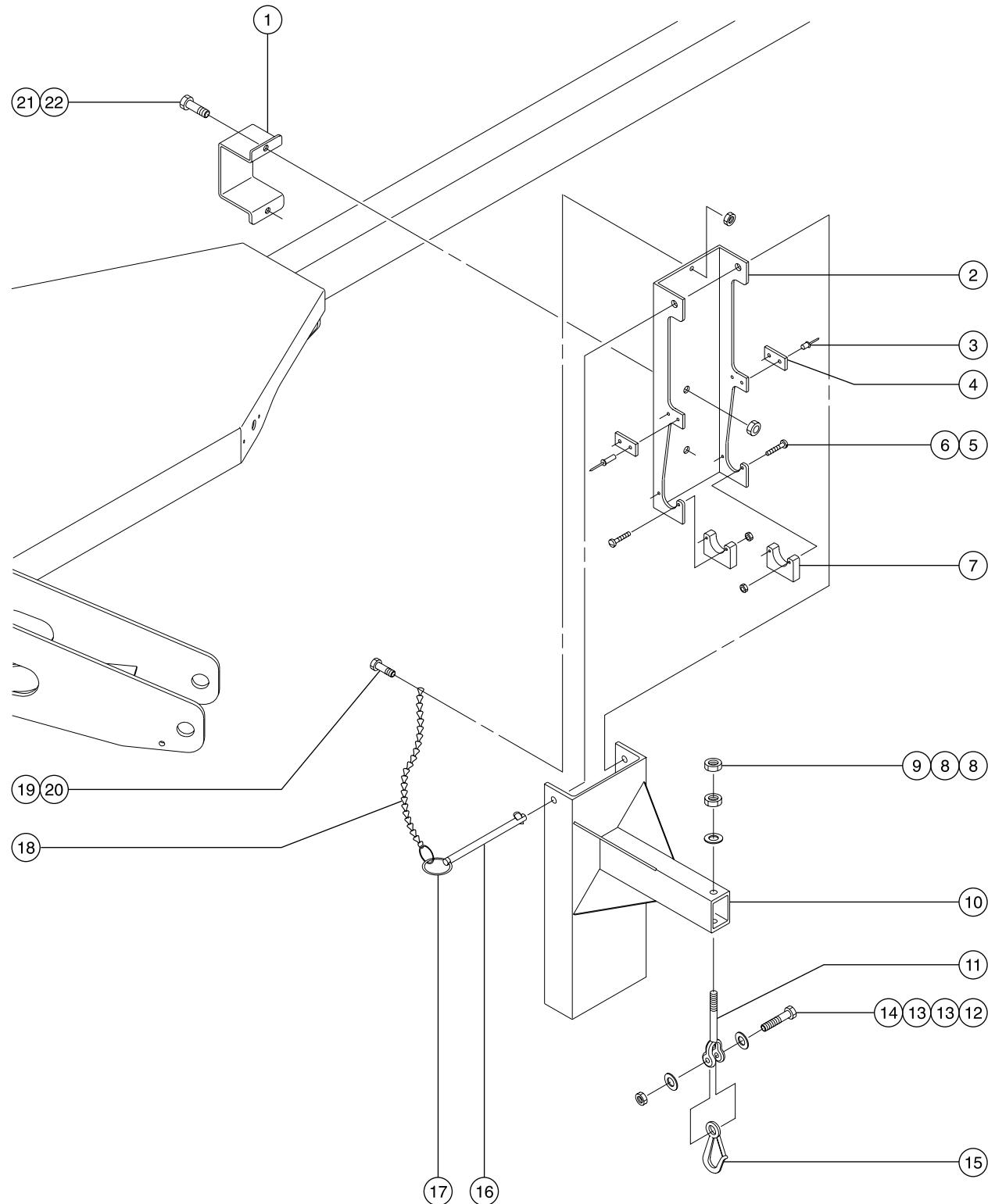


FIGURE 6-B

Index	Part No.	Description	Quantity This Figure
-	65364-S	Material Lift Accessory - Complete, CSA Models	-
-	65363-S	Material Lift Accessory - Complete, CE and ANSI Models	-
1	59877-S	Bracket - Storage Mount	1
2	59878-S	Channel - Storage Mount Assembly (includes index numbers 3 and 4)	1
3	41695	Rivet - Steel, 0.188 x 0.5 inch (4.8 x 12.7 mm)	4
4	39474	Wear Pad, 2 x 1 x 0.35 inch (5.1 x 2.5 x 0.9 cm)	2
5	49369	Screw - PHM, M4 x 0.7 x 25 mm	4
6	49363	Nut - Nylock, M4 x 0.7 mm	4
7	46729	Guide - Alignment	2
8	6034	Nut - Hex Jam, 1/2 -13	2
9	46447	Washer - Thrust, 0.5 x 1.0 x 0.063 inch (1.3 x 2.5 x 0.2 cm)	1
10	65160-S	Material Lift Carriage with Decal, CSA (decals are listed in Section One)	1
-	65161-S	Material Lift Carriage with Decal, ANSI and CE Models (decals are listed in Section One)	-
11	52286	Clevis Assembly (includes index numbers 8, 9, 12,13 and 14)	1
12	65192	Screw - HHC, 3/8 -16 x 1.875 inch, galvanized	1
13	22699	Washer - Flat, M10	2
14	38028	Nut - LP Nylock, 5/8 -11	1
15	43443	Hook - Material Lift	1
16	48301	Pin - Platform Mounting, 0.5 x 8.13 inches (1.3 x 20.7 cm)	1
17	5193	Ring - Split, 1 inch	1
18	59914	Chain - Retaining, 16 inches (40.6 cm)	1
19	49369	Screw - PHM, M4 x 0.7 x 25 mm	1
20	49363	Nut - Nylock, M4 x 0.7 mm	1
21	27034	Screw - HHC, M10 x 1.5 x 25 mm, GR 8.8	2
22	22736	Nut - Lock, M10 x 1.5 mm	2

Figure 6-C

Spare Tire Options

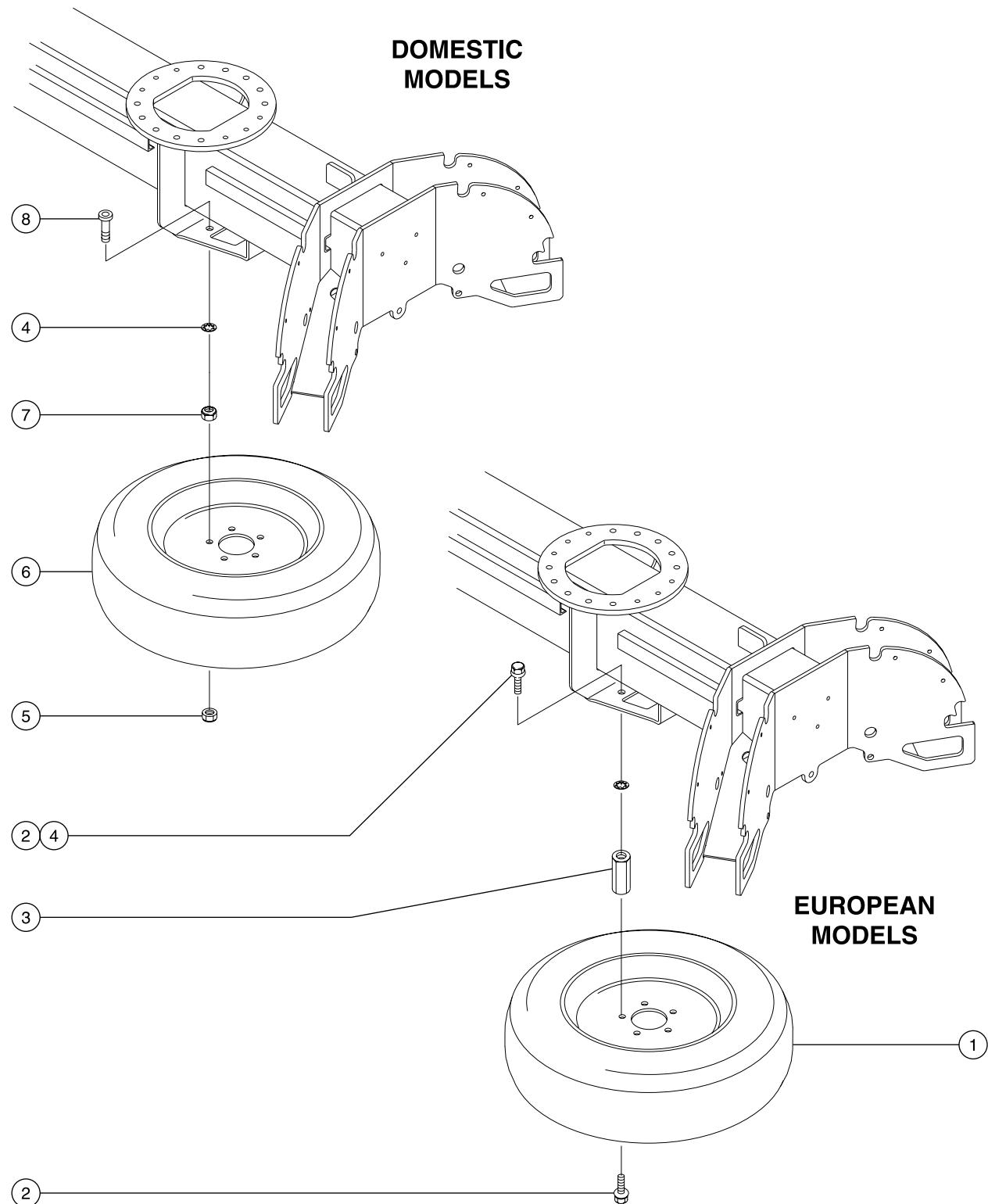


FIGURE 6-C

Index	Part No.	Description	Quantity This Figure
-	52300	Spare Tire Option, Domestic (includes index numbers 5 through 7)	-
-	65332-S	Spare Tire Option, European (includes index numbers 1 through 4)	-
1	55087	Tire and Wheel Assembly, CE	1
-	65333	Wheel, 15 inches	-
-	65334	Tire - CE, 195R15, Load Range 91	-
2	55140	Bolt - Lug, M12 x 1.75 x 20 mm	6
3	67292	Coupling - Spare Tire Mount, CE	3
4	59672	Washer - Star, Internal	3
5	46717	Nut - Acorn, 1/2 -20 UNF	3
6	44650	Tire and Wheel Assembly, Domestic	1
-	52252	Wheel, 13 inches	-
-	52351	Tire, 185/80, 13 inches, Load Range C	-
7	59570	Nut - Nylock, 1/2 -20	3
8	44649	Lug Bolt - Spare Tire, 1/2 -20 UNF	3

Figure 6-D

Airline to Platform

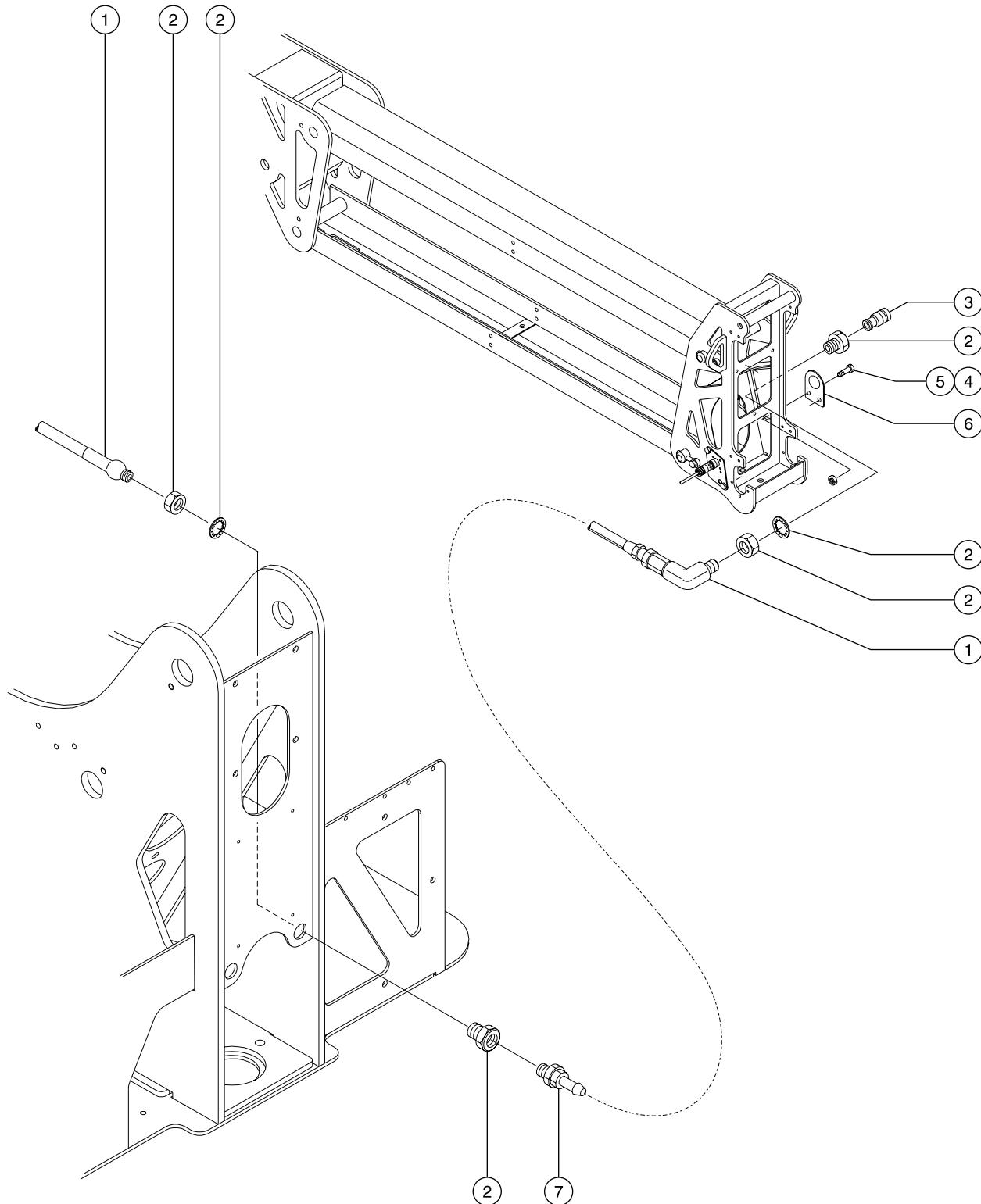


FIGURE 6-D

Index	Part No.	Description	Quantity This Figure
-	49657-S	Airline to Platform Option - Complete	-
1	65106-S	Airline Assembly with Fittings	1
2	27900	Fitting - Female Bulkhead Adapter, 10 MPT	2
3	27895	Coupler - Female Quick Disconnect	1
4	27034	Screw - HHC, M10 x 1.5 x 25 mm, GR 8.8	2
5	22736	Nut - Nylock, M10 x 1.5 mm	2
6	59502-S	Plate - Airline Mount	1
7	27894	Plug - Male Quick Disconnect	1

Figure 6-E

Operator Warning Light

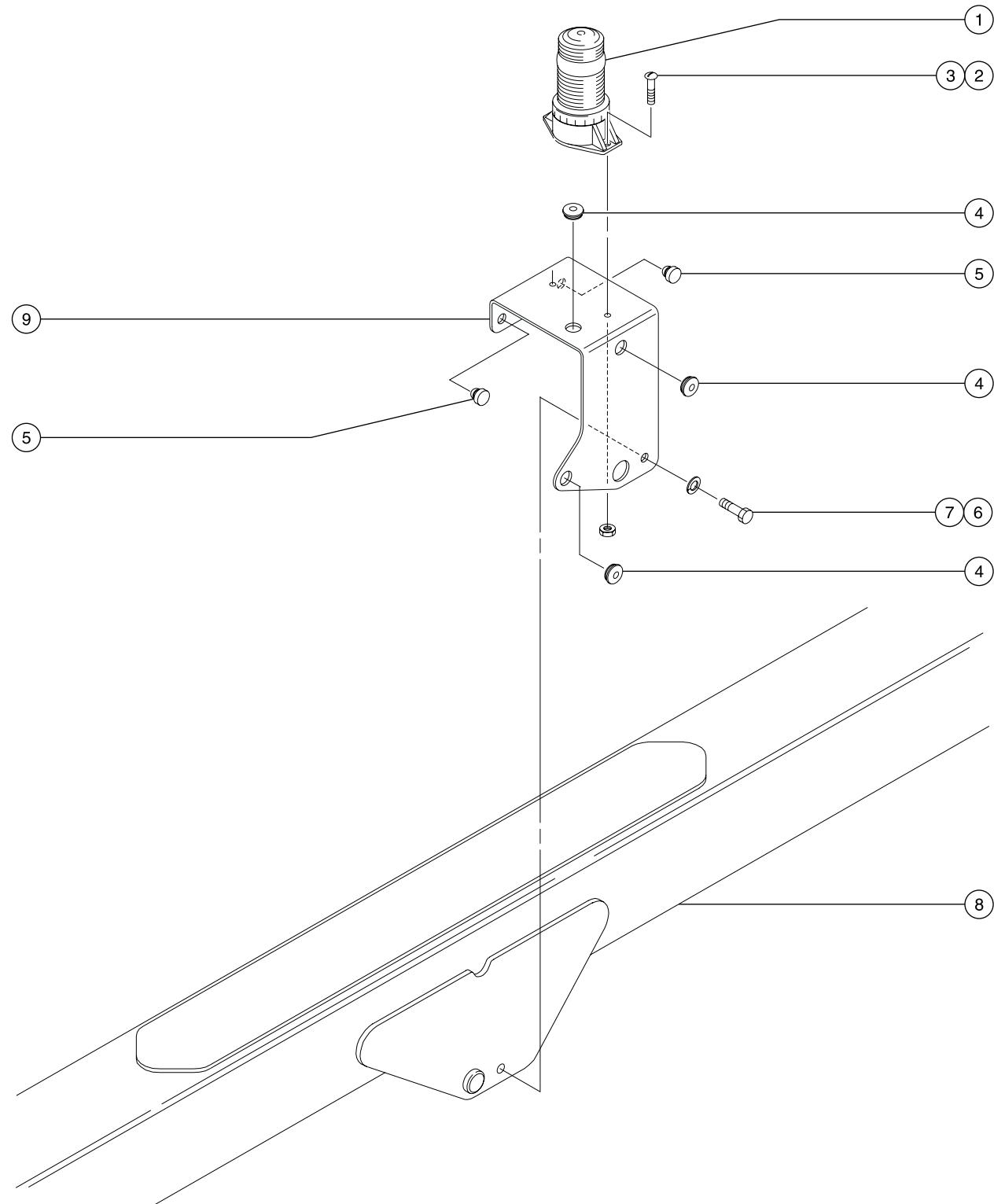


FIGURE 6-E

Index	Part No.	Description	Quantity This Figure
-	65404-S	Flashing Beacon Accessory - Complete	-
1	39676	Strobe - Beacon, 12-48V DC	1
-	58973	Bulb - Replacement	-
2	49417	Screw - PHM, M5 x 0.8 x 16 mm	2
3	27082	Nut - Nylock, M5 x 0.8 mm	2
4	55046	Grommet - Rubber, 0.50 x 1.25 x 0.19 inch (1.3 x 3.2 x 0.5 cm)	3
5	43392	Bumper - Rubber	2
6	25548	Screw - HHC, M10 x 1.5 x 40 mm, GR 8.8	1
7	22699	Washer - Flat, M10	2
8	Ref.	Secondary Boom (refer to Figure 4-A)	-
9	55082-S	Bracket - Warning Light	1

Figure 6-F

French Load Sensing Option

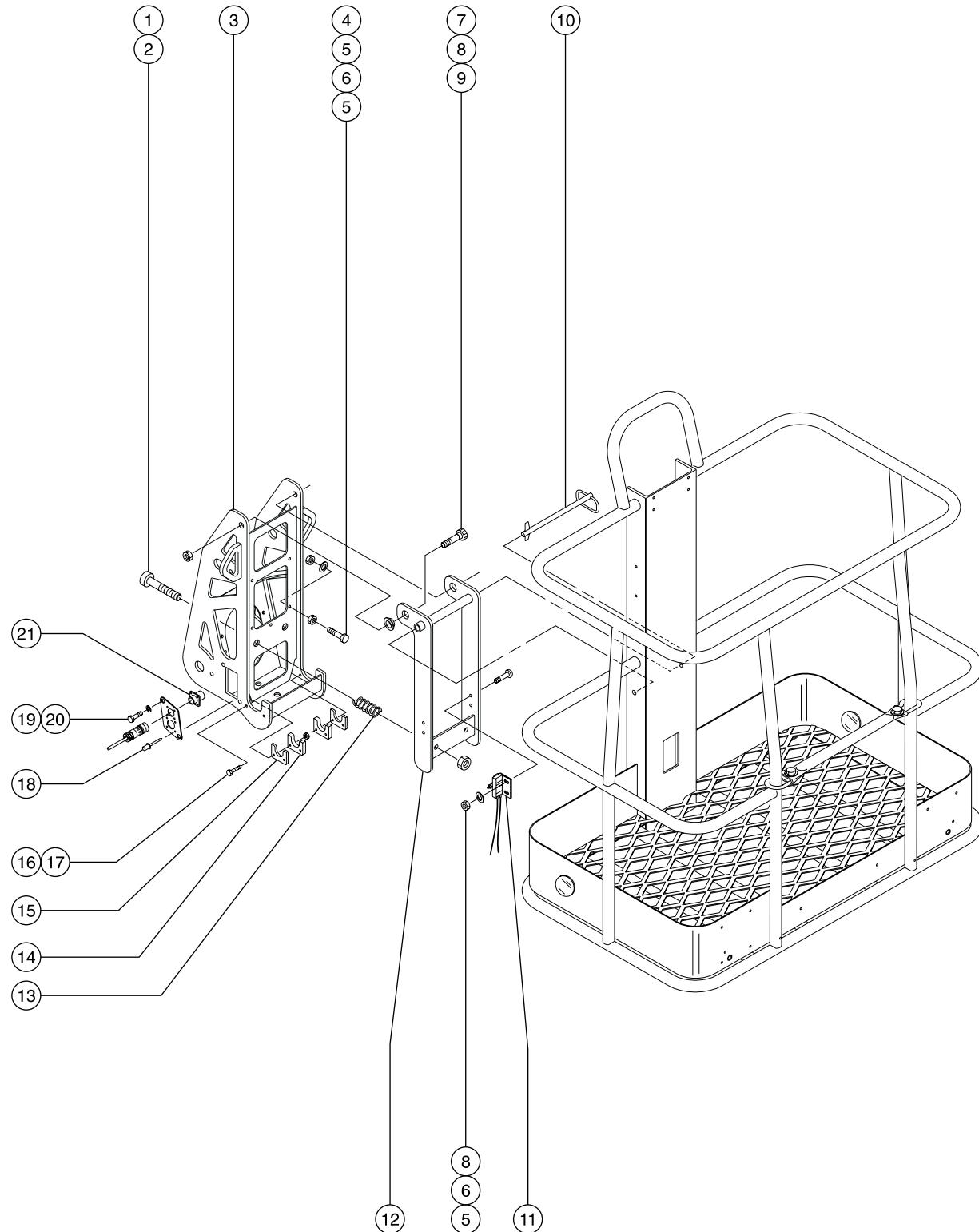


FIGURE 6-F

Index	Part No.	Description	Quantity This Figure
1	67263	Bolt - Shoulder, M10 x 1.5 x 85 mm	2
2	22736	Nut - Nylock, M10 x 1.5 mm	2
3	65394-S	Pivot Weldment Assembly (includes index numbers 14 through 17)	1
4	48040	Screw - HHC, M5 x 0.8 x 40 mm, GR 8.8	1
5	27082	Nut - Nylock, M5 x 0.8 mm	6
6	49413	Washer - Flat, M5	3
7	67298	Screw - SHS, 1/2 -13 x 0.625 inch	2
8	48074	Bearing - Flanged, 0.625 x 0.75 x 0.437 inch (15.8 x 19 x 11.1 cm)	2
9	6086	Nut - Nylock, Low Profile, 1/2 -13	2
10	48301	Pin - Platform, 8.13 x 0.5 inch (20.7 x 1.3 cm)	1
11	67314	Switch - Pressure	1
12	59921-S	Weldment - Load Sensing	1
13	67328	Spring - Load Sensing	2
14	59923	Guide - Platform Alignment	2
15	67269	Spacer - Platform Alignment	2
16	67522	Screw - PHM, M4 x 0.7 x 35 mm	4
17	49363	Nut - Nylock, M4 x 0.7 mm	4
18	55096	Rivet - Aluminum, 0.125 x 0.337 x inch (3.2 x 8.6 mm)	4
19	49387	Screw - HHC, M10 x 1.5 x 12 mm	2
20	22700	Washer - Lock, M10	2
21	67293	Adapter - Wire Harness, Load Sensing	1
-	33589	Connector - Plug, Male	1
-	33580	Pin - Connector, Female	6
-	33581	Connector - Female Panel Mount	1
-	33579	Pin - Connector, Male	6

Figure 6-G

Hitch Extension

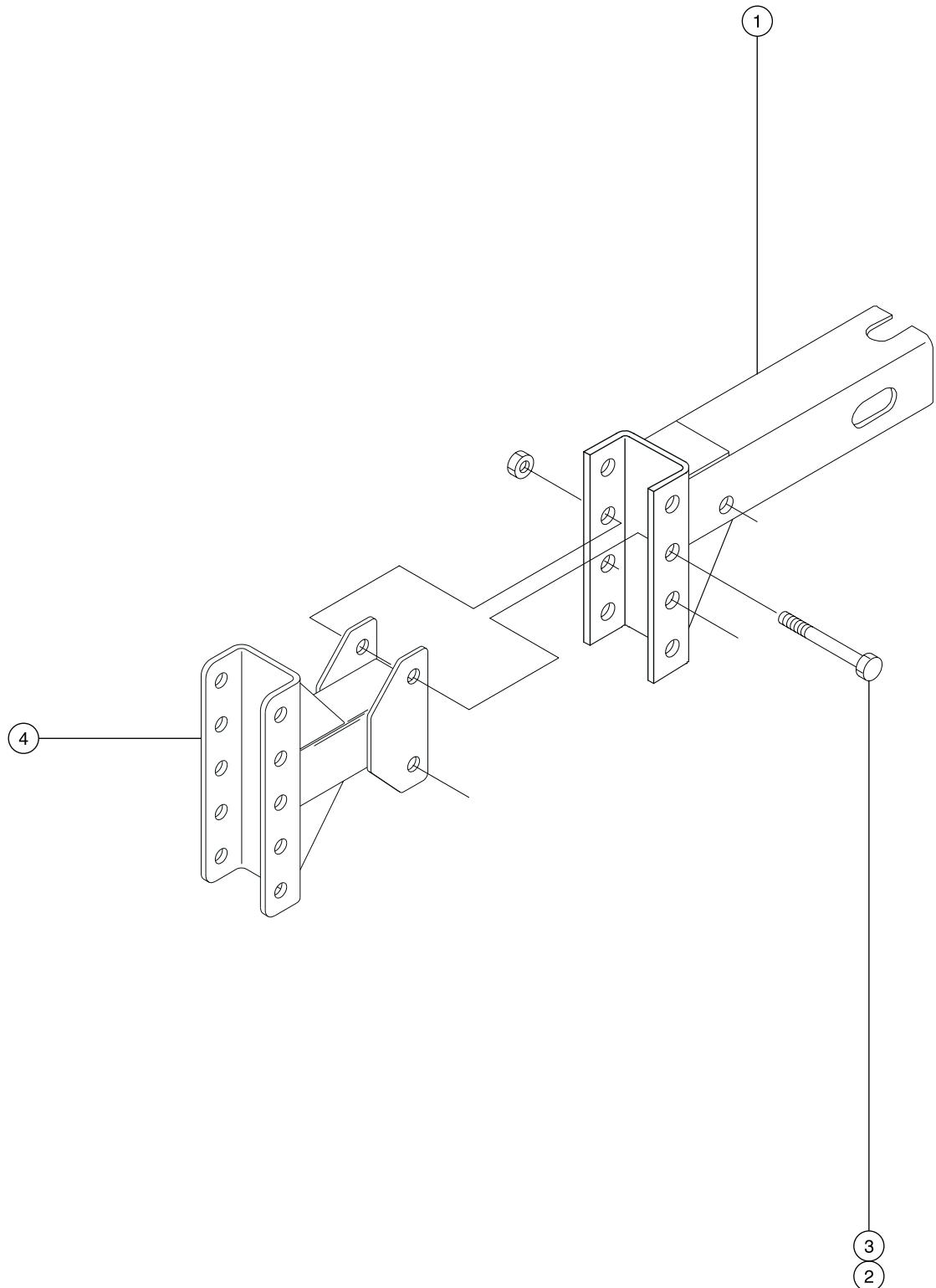


FIGURE 6-G

Index	Part No.	Description	Quantity This Figure
1	62766	Channel - Coupler Mounting	1
2	59746	Screw - HHC, 5/8 -11 x 4	2
3	38028	Nut - Nylock, 5/8 -11	2
4	59713-S	Weldment - Hitch Extension	1

Notes

Numeric Index

Part No.	Page No.	Index No.	Part No.	Page No.	Index No.	Part No.	Page No.	Index No.
1484	1-3	-	22700	4-5	2	28161	1-3	4
1484	1-7	-	22700	4-9	7	28164	1-5	31
2161	2-35	21	22700	4-9	2	28171	1-5	30
5193	6-5	17	22700	6-13	20	28174	1-5	24
6034	6-5	8	22726	2-9	22	28174	1-7	4
6086	6-13	9	22736	2-3	7	28175	1-5	28
6886	3-3	18	22736	2-11	23	28176	1-7	2
7056	5-5	31	22736	2-13	10	28235	1-5	24
7265	2-29	8	22736	2-15	9	28235	1-7	4
7265	2-33	9	22736	2-33	22	28236	1-7	1
7265	2-35	16	22736	2-35	14	28646	2-9	16
8910	3-17	24	22736	3-17	10	28646	2-11	16
10107	3-5	1	22736	4-3	8	28646	2-13	4
10775	5-5	30	22736	4-7	2	28646	3-3	28
11890	2-9	3	22736	6-5	22	28688	2-7	5
12016	2-9	2	22736	6-9	5	28890	3-23	12
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12016	3-17	12	23057	3-3	20	29732	3-11	18
12348	3-13	8	23057	3-19	10	29732	5-9	5
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22578	3-7	7	25930	4-9	18	33550	1-7	5
22578	5-3	6	25930	5-7	3	33574	3-11	17
22699	2-3	6	27034	2-9	21	33578	4-11	27
22699	2-7	13	27034	3-7	15	33578	4-13	11
22699	2-11	22	27034	3-17	9	33579	3-7	6
22699	2-13	9	27034	4-5	1	33579	3-9	11
22699	2-15	8	27034	6-5	21	33579	3-9	12
22699	4-3	11	27034	6-9	4	33579	4-9	22
22699	4-9	18	27082	2-3	13	33579	4-13	6
22699	6-3	9	27082	3-19	3	33579	4-13	12
22699	6-5	13	27082	6-11	3	33579	6-13	21
22699	6-11	7	27082	6-13	5	33580	3-9	7
22700	2-5	25	27564	1-3	20	33580	3-9	8
22700	2-7	12	27894	6-9	7	33580	3-9	8
22700	2-27	31	27895	6-9	3	33580	3-9	9
22700	3-7	16	27900	6-9	2	33580	3-9	10
22700	4-3	7	28157	1-5	27	33580	4-11	27

NUMERIC INDEX - 33580 to 44986

Part No.	Page No.	Index No.	Part No.	Page No.	Index No.	Part No.	Page No.	Index No.
33580	4-13	7	41861	4-9	9	44064	2-27	30
33580	4-13	11	41861	4-9	4	44064	2-33	21
33580	6-13	21	41862	4-5	8	44064	2-35	15
33581	6-13	21	41862	4-9	12	44248	1-7	7
33589	6-13	21	41870	2-25	19	44640	2-25	12
33590	4-9	22	41872	2-25	16	44641	2-25	23
33590	4-13	12	41873	2-25	15	44644P	5-5	26
33629	5-5	29	41880	4-5	11	44645P	5-3	18
33674	3-17	13	41880	4-9	14	44649	6-7	8
35579	1-3	16	41880	4-11	30	44650	2-9	20
35613	5-9	6	41881	3-3	15	44650	2-11	19
36245	2-25	11	41888	3-7	5	44650	2-13	7
36245	4-5	10	41889	4-9	16	44650	6-7	6
36245	4-7	4	41890	4-9	13	44651	2-17	-
36245	4-9	14	41891	4-5	9	44653P	2-5	33
37051	1-7	6	41894	3-3	26	44658	2-25	20
37052	1-7	7	41895	3-3	19	44662	2-25	6
37145	1-3	3	43390	3-7	6	44665	2-9	6
37947	3-11	17	43391	3-17	11	44665	2-11	5
38028	2-11	6	43392	3-7	10	44666	2-27	26
38028	6-5	14	43392	3-7	12	44668	2-9	4
38028	6-15	3	43392	6-11	5	44669	3-3	25
38159	3-15	15	43394	2-25	17	44672	3-7	14
38160	3-15	11	43415	3-17	22	44673	3-9	5
38161	3-15	13	43418P	3-17	8	44678	3-9	13
38456P	5-5	40	43424P	2-7	4	44680	3-9	4
38866P	2-9	8	43430	2-9	12	44682	3-9	3
38866P	2-11	8	43431	2-9	14	44684	3-9	3
39474	5-5	39	43432	2-9	13	44687P	5-3	9
39474	6-5	4	43440	2-25	8	44687P	5-9	1
39676	6-11	1	43441	2-27	27	44689	5-9	4
39828	5-5	28	43442	2-25	1	44691	5-9	4
40318	3-15	12	43443	6-3	10	44693	3-9	6
40400	3-15	6	43443	6-5	15	44693	4-9	22
40400	3-15	9	43446	3-19	5	44694	3-9	10
40401	3-15	7	43447	3-19	16	44695	3-9	9
40434	1-7	3	43449	3-7	21	44696	3-9	7
40624	2-5	31	43451	3-7	20	44697	2-7	10
40712	5-3	16	43456	2-5	35	44697	3-9	8
40928	2-5	27	43456	4-3	4	44704	3-7	5
40928	3-3	5	43459	4-5	3	44710	3-21	3
41292	5-3	17	43460	2-27	29	44711	3-21	4
41695	3-7	9	43460	4-5	7	44712	3-21	2
41695	5-5	38	43460	4-9	8	44713-S	3-21	1
41695	6-5	3	43460	4-9	3	44714	3-3	21
41805	4-7	5	43461	4-3	10	44716	3-17	17
41806P	4-7	3	43462	4-3	13	44719	5-3	3
41807	2-3	8	43464P	3-7	15	44722	5-3	8
41807	4-3	9	43467	2-25	21	44723	2-27	32
41818P	4-9	20	43468	2-25	14	44727	3-21	6
41828	4-9	9	43469	2-5	34	44730P	4-9	10
41829	4-11	28	43471	3-19	15	44732	2-25	22
41836	3-13	-	43475	2-27	24	44733	2-3	1
41855	2-25	9	43476	2-27	28	44733	2-9	5
41857	4-9	6	43658	1-5	25	44733	2-11	4
41858	4-5	5	44064	2-11	21	44933P	5-3	5
41860	4-5	4	44064	2-13	8	44980	1-5	25
41861	4-5	12	44064	2-15	7	44986	1-7	6

NUMERIC INDEX - 44995 to 49402

Part No.	Page No.	Index No.	Part No.	Page No.	Index No.	Part No.	Page No.	Index No.
44995	3-7	5	48040	6-13	4	49366	3-3	23
45081	3-11	17	48074	6-13	8	49367	3-3	2
45114	2-29	17	48218	2-33	15	49367	3-7	19
45383	5-9	10	48218	2-35	25	49368	2-5	21
45437	5-5	28	48227P	4-11	29	49368	2-5	21
46140	3-23	5	48228	4-9	19	49368	2-25	5
46141	3-23	8	48244	2-11	3	49369	6-5	5
46142	3-23	11	48245-S	2-13	13	49369	6-5	19
46144	3-23	10	48245-S	2-15	11	49370	2-25	2
46145	3-23	9	48283	4-9	15	49371	3-11	16
46148	2-3	1	48284	3-21	5	49371	5-3	4
46149P	6-3	1	48286	5-5	32	49371	5-9	11
46150P	6-3	11	48288	3-17	21	49372	2-7	6
46152P	3-3	4	48301	5-5	41	49374	2-3	20
46156	3-7	4	48301	6-5	16	49374	2-3	20
46156	3-7	1	48301	6-13	10	49375	2-9	10
46157	2-9	1	48305	2-29	5	49375	2-11	10
46276	1-3	11	48309	2-29	4	49375	2-29	1
46418P	5-5	33	48319	4-9	13	49375	3-3	6
46419P	4-9	23	48719	1-7	9	49375	3-7	7
46420P	3-19	12	48720	1-3	6	49375	5-3	12
46424	2-7	3	48721	1-7	8	49375	5-7	1
46426	2-7	14	48722	1-5	22	49376	2-11	12
46426	2-25	10	48723	1-3	17	49378	3-7	12
46428	6-3	8	48724	1-3	12	49378	3-17	23
46431	3-19	4	48725	1-3	13	49379	2-5	36
46433P	5-3	11	48726	1-3	14	49379	2-35	9
46436	3-3	3	48727	1-3	15	49379	3-7	2
46436	3-3	29	48729	1-3	-	49379	3-17	3
46437	4-13	7	48729	1-7	-	49379	3-19	7
46438	4-13	6	48730	1-3	2	49379	4-3	2
46440	2-5	23	48733	1-3	19	49379	4-9	7
46441	2-5	23	48734	1-3	18	49379	6-3	12
46443	4-13	4	48908	3-23	7	49381	2-13	1
46444	4-13	3	48911	3-23	3	49381	2-15	1
46445	4-13	4	48912	3-23	2	49381	3-3	8
46446	4-13	3	49362	2-3	17	49382	2-5	32
46447	6-3	5	49362	2-23	34	49382	2-15	12
46447	6-5	9	49362	2-35	3	49382	2-19	14
46714	2-5	26	49363	3-11	15	49383	2-3	4
46715	2-3	9	49363	5-3	1	49383	2-23	26
46716	2-33	16	49363	6-5	6	49385	3-7	17
46716	2-35	18	49363	6-5	20	49386	2-33	4
46716	3-19	14	49363	6-13	17	49387	2-5	24
46717	2-9	19	49364	2-9	11	49387	4-11	24
46717	2-11	20	49364	2-11	11	49387	6-13	19
46717	2-13	6	49364	2-29	3	49390	2-13	11
46717	6-7	5	49364	3-7	8	49390	3-3	27
46721	2-27	25	49364	3-7	8	49391	3-3	22
46722	3-7	11	49364	3-17	6	49392	3-3	1
46723	4-9	16	49364	4-9	19	49393	4-9	6
46724	3-7	10	49364	4-9	11	49393	4-9	1
46727P	5-3	21	49364	5-3	7	49395	3-17	5
46729	5-5	34	49364	5-7	4	49397	2-9	9
46729	6-5	7	49366	2-3	3	49397	2-11	7
46731	4-13	2	49366	2-13	2	49399	4-7	1
46732	4-13	5	49366	2-15	2	49400	2-3	15
47255	2-11	1	49366	2-23	28	49402	2-5	29

NUMERIC INDEX - 49404 to 52343

Part No.	Page No.	Index No.	Part No.	Page No.	Index No.	Part No.	Page No.	Index No.
49404	5-3	2	52150	2-17	-	52279	5-5	37
49405	2-25	3	52151	2-17	-	52280	4-3	5
49406	2-7	7	52152	3-7	9	52280	4-9	11
49406	5-9	3	52152	3-7	13	52281	6-3	-
49407	3-3	7	52153	4-3	1	52282	3-9	3
49407	5-3	20	52153	4-5	6	52284	5-3	10
49407	5-5	24	52154	4-3	12	52284	5-9	10
49407	5-7	9	52154	4-5	13	52285	3-9	-
49408	3-5	2	52180	2-25	13	52286	6-3	3
49408	3-7	13	52182	2-33	14	52286	6-5	11
49408	6-3	7	52182	2-35	22	52287	3-11	19
49409	3-3	9	52183	2-33	7	52288	5-9	4
49410	2-5	30	52183	2-35	11	52289	2-5	34
49410	2-13	12	52184	2-33	8	52290	2-25	19
49410	2-15	13	52185	2-33	20	52291	2-25	13
49410	2-23	27	52185	2-35	13	52292	3-3	13
49411	3-7	18	52186	2-33	19	52293	3-19	5
49412	2-7	8	52186	2-35	12	52294	3-13	2
49413	2-3	12	52187	2-25	18	52295	3-13	1
49413	3-19	18	52188	2-33	3	52296	3-13	3
49413	6-13	6	52189	2-33	2	52297	3-13	4
49414	2-3	16	52190	2-33	6	52298	3-13	5
49416	3-19	2	52224	3-3	14	52299	3-13	6
49417	2-3	11	52225	3-3	12	52300	6-7	-
49417	3-19	17	52226	3-3	13	52303	4-5	9
49417	5-7	8	52227	3-3	16	52304	4-9	13
49417	6-11	2	52228	3-3	3	52305	4-9	16
49418	3-23	6	52231	4-9	17	52306	3-3	24
49419	3-23	4	52232	4-9	10	52307	3-15	10
49612	3-23	-	52232	4-9	5	52308	3-15	8
49613	3-23	-	52252	2-9	20	52309	3-15	17
49657-S	6-9	-	52252	2-11	19	52310	3-15	19
49910	1-3	8	52252	2-13	7	52312	3-15	14
49918	1-3	7	52252	6-7	6	52313	3-15	1
51086	3-13	7	52253	2-29	10	52314	3-15	1
52004	1-3	5	52254	2-29	12	52315	3-15	2
52008	1-5	21	52255	2-29	13	52316	3-15	3
52129	2-33	13	52256	2-29	14	52317	3-15	4
52129	2-35	20	52257	2-29	15	52318	3-15	5
52132	2-5	31	52258	2-29	16	52319	3-15	9
52133	2-5	31	52259	2-29	18	52320	3-15	20
52134	2-25	19	52260	2-29	19	52321	3-15	18
52135	2-3	14	52261	2-29	21	52322	3-15	10
52136	2-9	5	52262	2-29	21	52333	3-11	14
52138	2-9	18	52263	2-29	22	52334	3-13	4
52138	2-11	18	52264	2-29	23	52338	4-5	11
52138	2-13	5	52265	2-29	24	52338	4-9	14
52139	3-19	6	52269	3-17	1	52338	4-11	30
52140	3-19	11	52272	3-17	22	52339	4-5	11
52141	3-19	1	52273	5-5	22	52339	4-9	14
52142	3-19	13	52274	5-3	19	52339	4-11	30
52143	2-17	-	52275	5-3	19	52340	4-5	11
52144	2-17	-	52275	5-5	22	52340	4-9	14
52145	2-17	-	52276	5-3	19	52340	4-11	30
52146	2-17	-	52276	5-5	22	52341	2-33	-
52147	2-17	-	52277	5-3	14	52342	2-29	13
52148	2-17	-	52278	5-5	42	52342	2-33	17
52149	2-17	-	52279	4-9	20	52343	5-9	7

NUMERIC INDEX - 52344 to 65327

Part No.	Page No.	Index No.	Part No.	Page No.	Index No.	Part No.	Page No.	Index No.
52344	5-9	8	55063	2-5	26	62722	1-3	16
52345	2-29	20	55068	4-9	21	62760	2-21	20
52346	2-29	11	55068	4-9	12	62761	2-23	22
52347	3-15	4	55078	2-29	7	62762	2-23	21
52348	3-15	4	55080	5-7	6	62763	2-23	31
52350	6-3	6	55081	5-7	10	62764	2-23	32
52351	2-9	20	55082-S	6-11	9	62765	2-21	1
52351	2-11	19	55083	5-7	5	62766	2-21	3
52351	2-13	7	55084	2-33	-	62766	6-15	1
52351	6-7	6	55085	2-33	18	62767	2-23	25
52475	1-3	10	55087	2-15	5	62768	2-23	23
52495	1-5	26	55087	6-7	1	62769	2-21	-
52496	1-5	23	55090	5-7	2	62770	2-21	-
52557	1-3	17	55096	4-11	25	62771	2-21	-
52684	1-3	13	55096	6-13	18	62772	2-21	10
52987	1-3	1	55098	3-3	17	62773	2-21	14
55000	2-9	17	55109	2-35	27	62776-S	2-21	-
55000	2-11	17	55118	4-13	9	62863	2-21	4
55001	2-9	17	55140	2-15	6	62864	2-21	5
55001	2-11	17	55140	6-7	2	62865	2-21	6
55006	2-13	3	55141	2-35	-	62866	2-21	2
55009-S	2-13	13	55558	3-23	1	62867	2-21	7
55009-S	2-15	11	58918	4-11	27	62868	2-21	8
55010	2-5	22	58918	5-9	9	62869	2-21	9
55010	2-7	9	58973	6-11	1	62870	2-21	10
55011	2-9	13	59500	3-3	10	62871	2-21	11
55014	2-7	1	59502-S	6-9	6	62872	2-21	12
55016	5-5	23	59505	4-13	-	62873	2-21	13
55017	5-5	25	59506	5-3	13	62874	2-21	14
55018	2-3	18	59508-S	2-35	24	62875	2-21	16
55019	2-3	18	59562	2-35	7	62876	2-21	17
55020	2-3	18	59563	2-11	15	62877	2-21	15
55021	2-3	18	59564-S	2-11	14	62878	2-21	18
55023-200	3-21	4	59570	6-7	7	62879	2-23	24
55023-200	3-21	5	59577	4-13	1	65106-S	6-9	1
55024	2-5	23	59580	2-35	19	65160-S	6-5	10
55027	3-9	2	59581	2-35	2	65161-S	6-5	10
55027	5-9	2	59642-S	2-11	9	65163	3-13	19
55033	2-3	18	59672	6-7	4	65183	2-7	5
55034	2-3	18	59678	2-35	26	65191	2-31	10
55035	2-3	18	59680	2-35	8	65192	6-3	2
55036	2-3	18	59711	2-23	33	65192	6-5	12
55037	2-3	18	59713-S	6-15	4	65193-S	6-3	6
55038	2-3	18	59717	2-15	10	65195-S	2-31	7
55039	2-3	18	59720	2-23	36	65206	2-3	14
55040	3-13	19	59746	6-15	2	65231	2-3	14
55043	2-3	10	59752	2-23	35	65308-S	2-3	19
55044	2-29	6	59753	2-23	39	65320	3-3	10
55045	2-29	-	59877-S	6-5	1	65321-S	2-5	28
55046	6-11	4	59878-S	6-5	2	65322-S	2-5	28
55047-S	5-7	7	59914	6-5	18	65323-S	2-5	28
55050	2-25	4	59921-S	6-13	12	65324-S	4-13	8
55051	2-11	24	59923	6-13	14	65325-S	4-13	-
55052	2-11	13	59969	2-23	38	65326	3-9	7
55054	2-15	3	59971	2-19	17	65326	3-9	8
55057-S	2-35	1	62066	1-3	1	65326	3-9	9
55060-S	2-15	4	62201	3-17	20	65326	3-9	10
55061-S	2-35	5	62238	3-13	19	65327	3-9	12

INUMERIC INDEX - 65328 to 67750

Part No.	Page No.	Index No.	Part No.	Page No.	Index No.
65328	3-9	8	65398-S	4-13	10
65329	3-7	6	65399-S	4-13	13
65329	3-9	11	65400	2-19	15
65330	3-15	5	65401	2-19	9
65331-S	2-11	4	65402	2-19	24
65332-S	6-7	-	65403	2-19	26
65333	2-15	5	65404-S	6-11	-
65333	6-7	-	67229	2-23	40
65334	2-15	5	67230	2-23	37
65334	6-7	-	67231	2-23	37
65336	2-19	22	67232	2-23	36
65337	2-19	23	67233	2-23	40
65338	2-19	16	67263	6-13	1
65339	2-19	13	67269	6-13	15
65340	2-19	5	67292	6-7	3
65341	2-19	4	67293	6-13	21
65342	2-19	19	67298	6-13	7
65343	2-19	20	67304	2-21	19
65344	2-19	11	67314	6-13	11
65345	2-19	21	67328	6-13	13
65346	2-19	18	67340	2-23	35
65347	2-19	25	67446	5-5	29
65348	2-19	27	67447	5-5	29
65349	2-19	1	67448	5-5	29
65350	2-19	2	67452	5-5	29
65351	2-19	6	67506	5-5	29
65352	2-19	3	67522	6-13	16
65353	2-19	8	67677	5-5	33
65354	2-19	10	67750	3-7	11
65357	3-13	9			
65358	3-13	10			
65359	3-13	4			
65361-S	3-7	5			
65363-S	6-5	-			
65364	2-19	7			
65364-S	6-5	-			
65369	2-31	12			
65372	2-31	15			
65373	2-31	14			
65374	2-31	11			
65375	2-31	13			
65376	2-31	6			
65377	2-31	16			
65378	2-31	8			
65379	2-31	9			
65380	2-31	2			
65381	2-31	3			
65382	2-31	4			
65383	2-31	5			
65384	2-31	18			
65385	2-31	1			
65386	2-31	19			
65388-S	5-5	-			
65394-S	6-13	3			
65395	5-7	2			
65396	5-7	5			
65397	5-7	2			
65397	5-7	5			

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