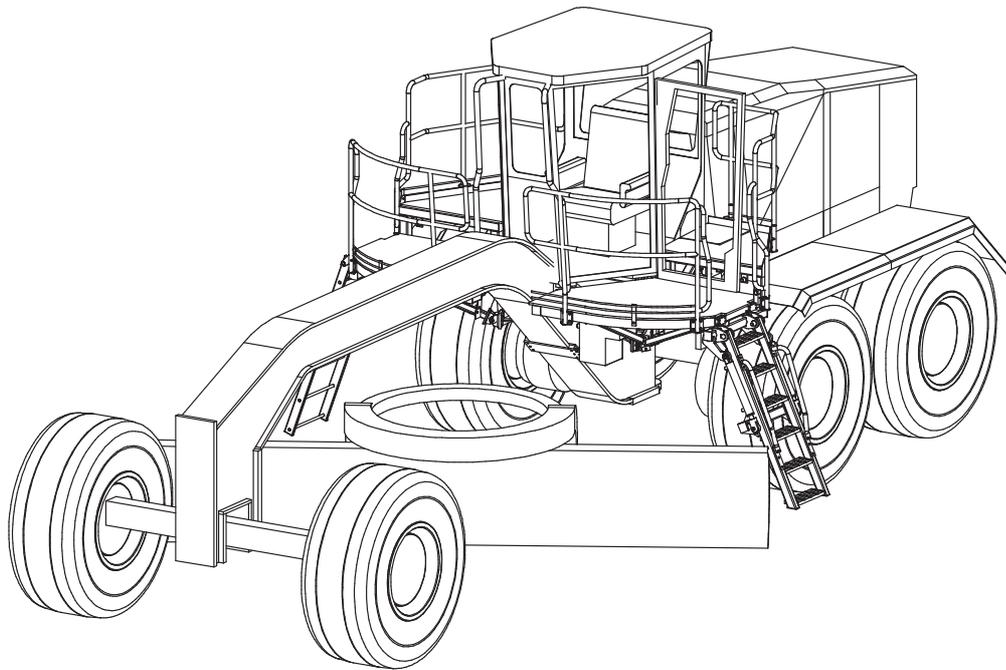




Power Step Access System for Caterpillar 16M Grader

- Ladders and Platforms (RH & LH)



Model No.: PSA-CAT16M-F/L
Serial No.:16M- ~
Date Manufactured:

FOLDING LADDER

16M Grader



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Section 1. Installation and Mounting Instructions

NOTE

Follow all on-site/Mine lifting and safety procedures when installing PS Folding Ladder to Grader.

PROCEDURE. - See Page 4 (23067)

1. Strip panelling from underneath cabin. Strip original ladder from beneath cabin.
2. Mark and weld mounting blocks on side plates of cabin mounting as per View 2.
3. Per View 3, fit Front Mounting Bracket, Rear Mounting, Mounting Bracket Strut and Landing Support Bracket
4. Same procedure on other side of grader.

PROCEDURE - See Page 5 (23069)

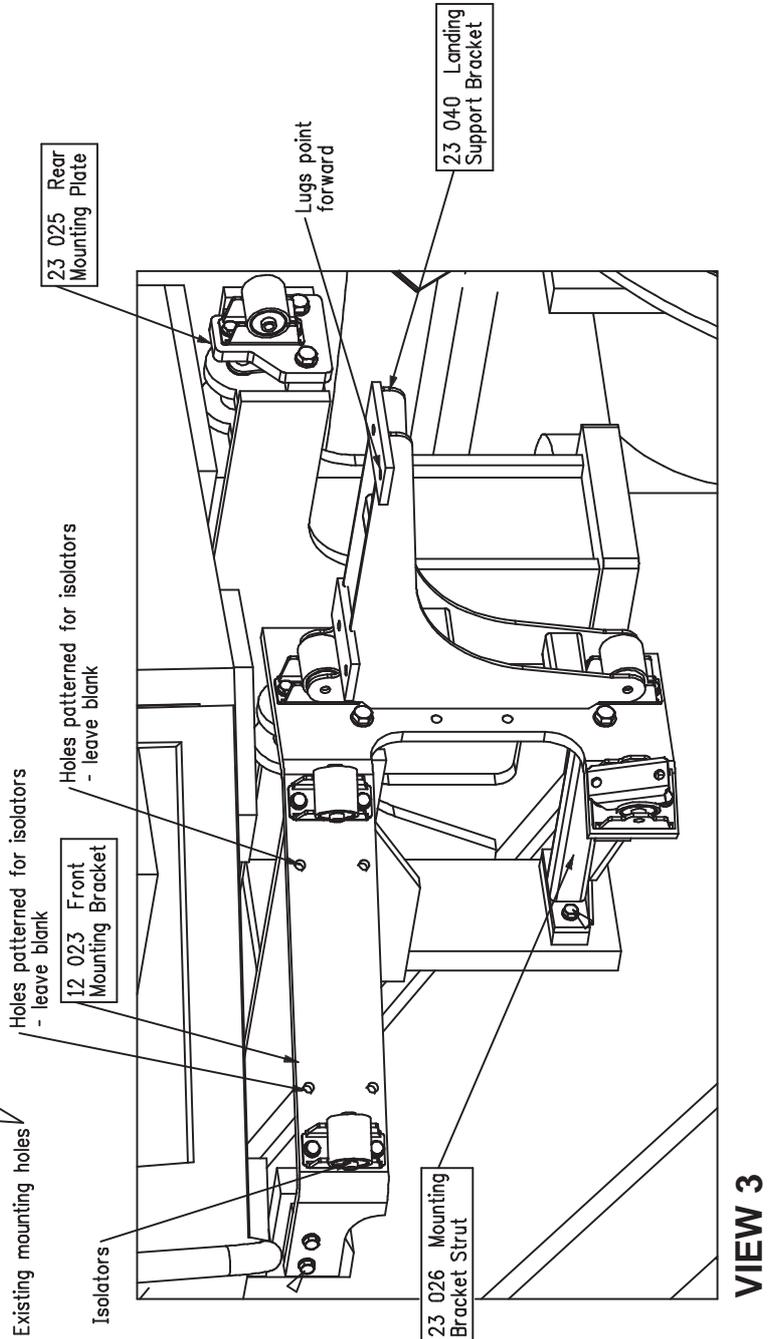
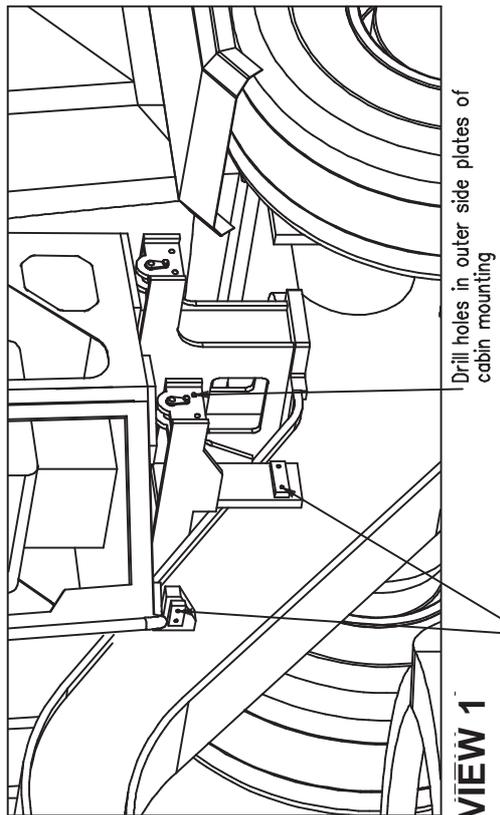
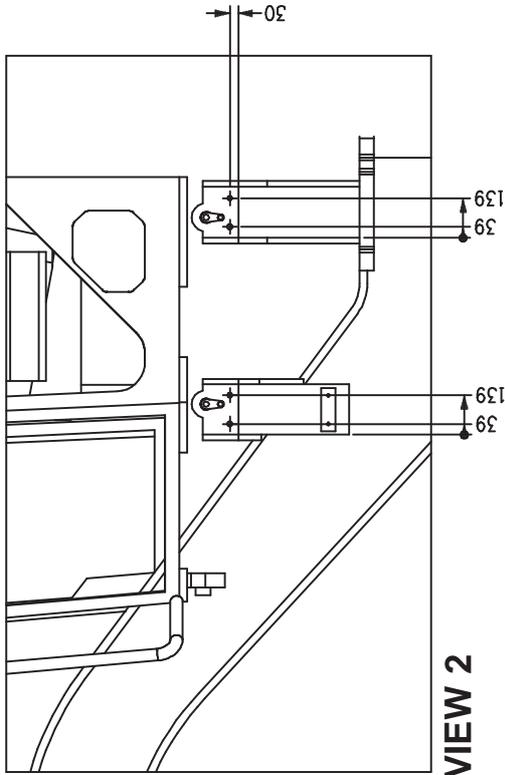
1. Fit Landing and Landing Support Bracket.
2. Fit Braces Per View 2.
3. Fit Packers to suit behind isolators if necessary to level landing.
5. Do the same with the opposite landing
4. Fully clamp floor panels to landing frame per drgs 23 058 & 059 as per pages 6 & 7

FOLDING LADDER

16M Grader



Section 1 Installation Instructions - Drawings - 23 067



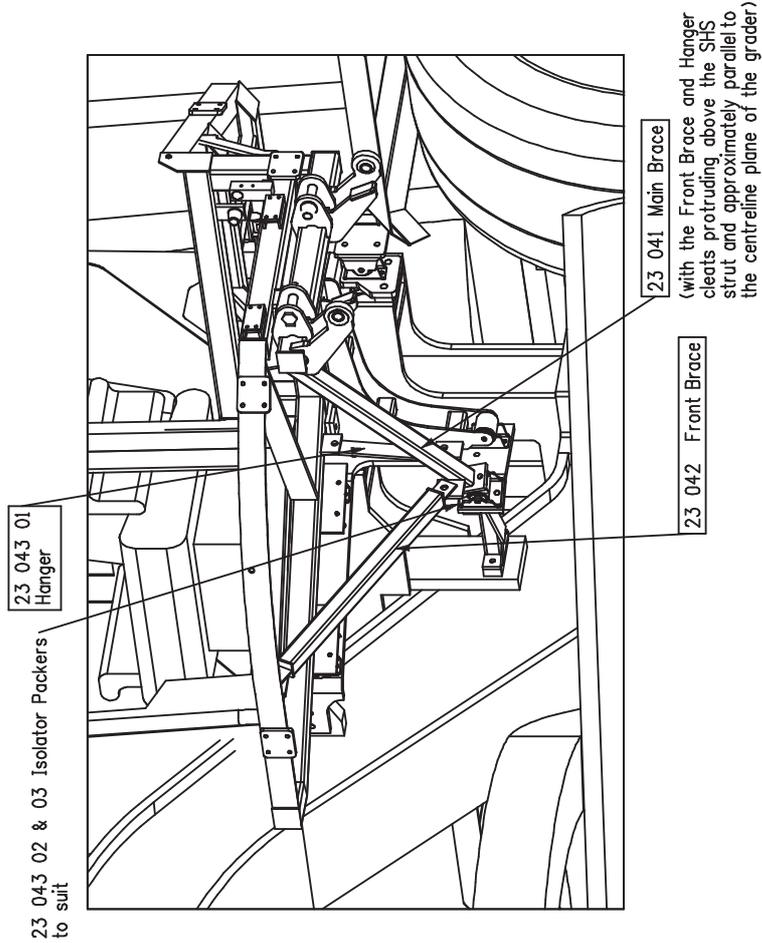
FOLDING LADDER

16M Grader

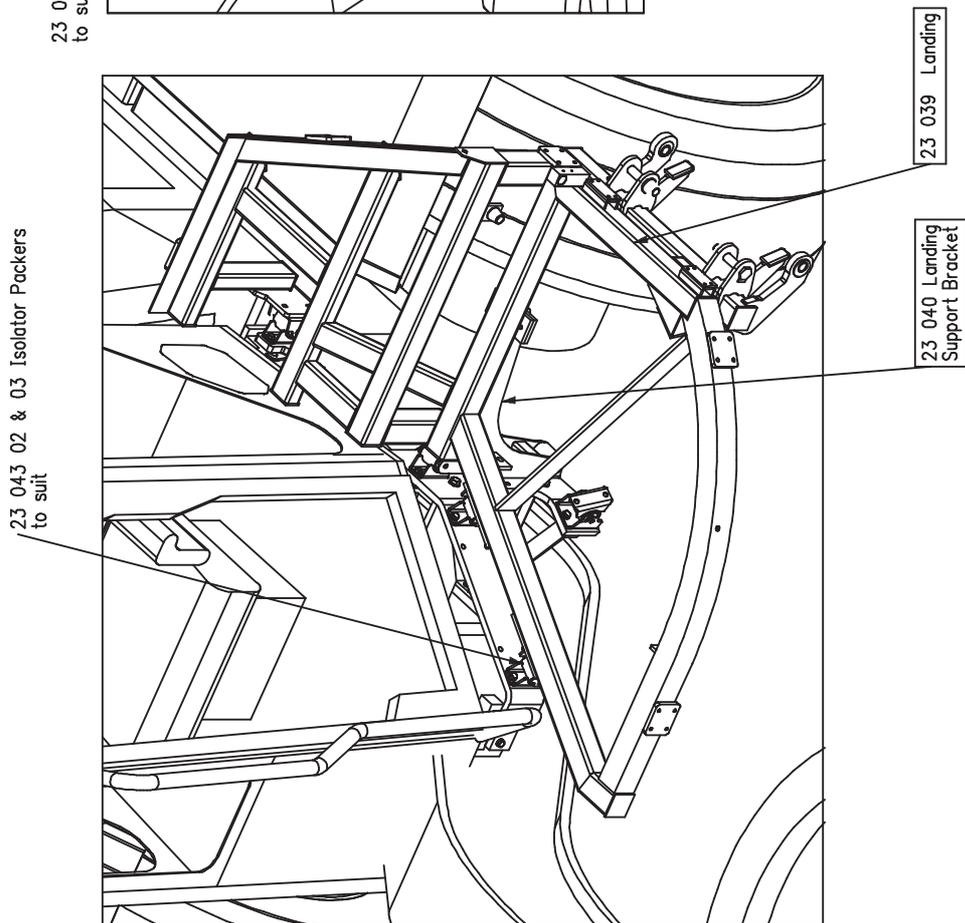


Section 1 Installation Instructions - Drawings - 23 069

VIEW 2



VIEW 1



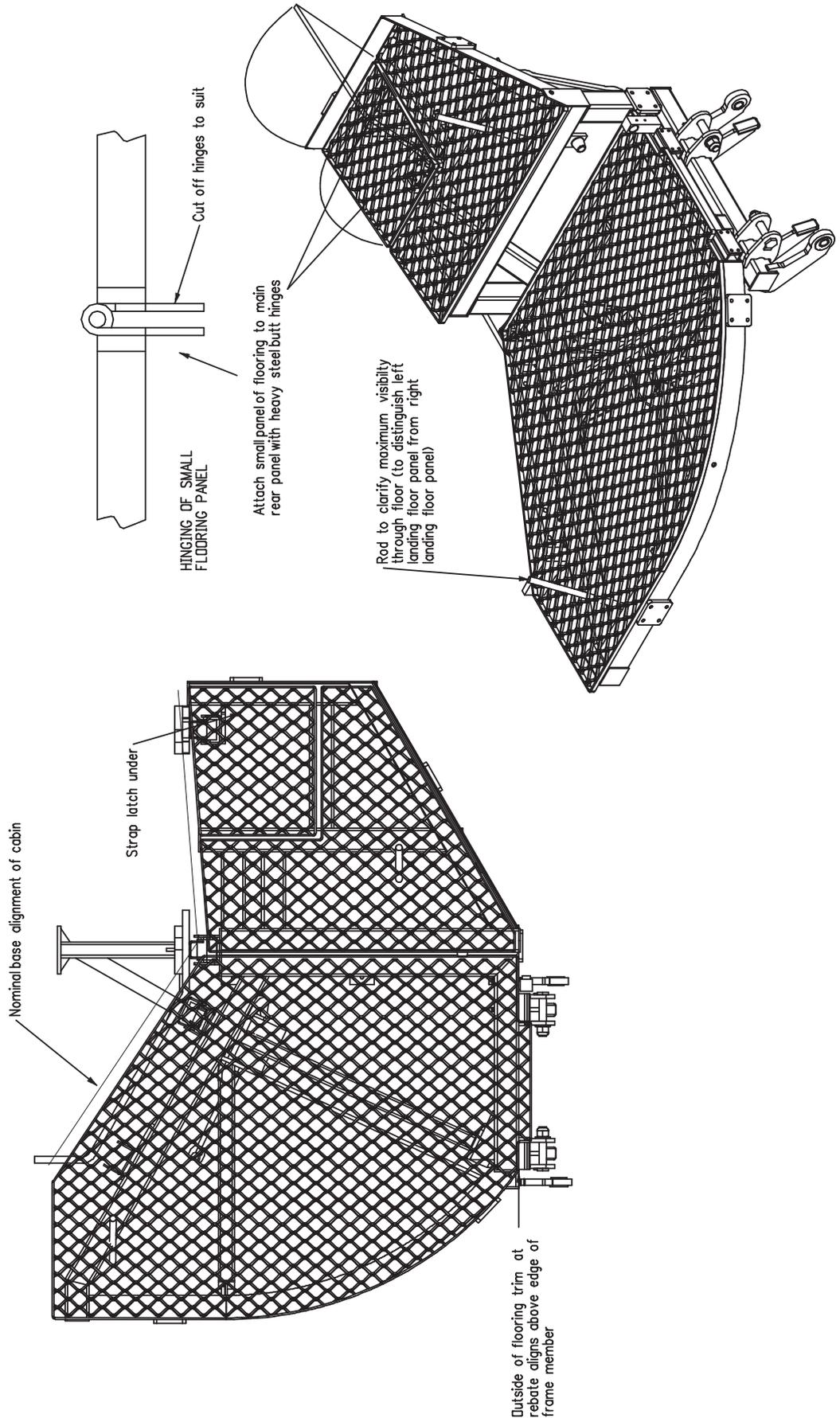
FOLDING LADDER

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Section 1 Installation Instructions - Drawings - 23 058

Left Side Trim



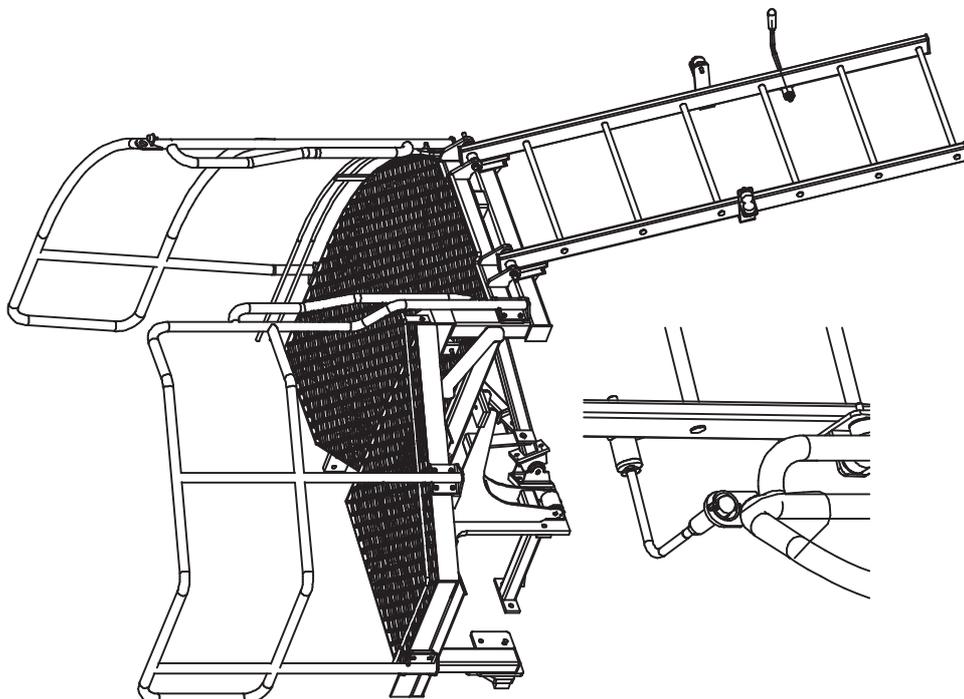
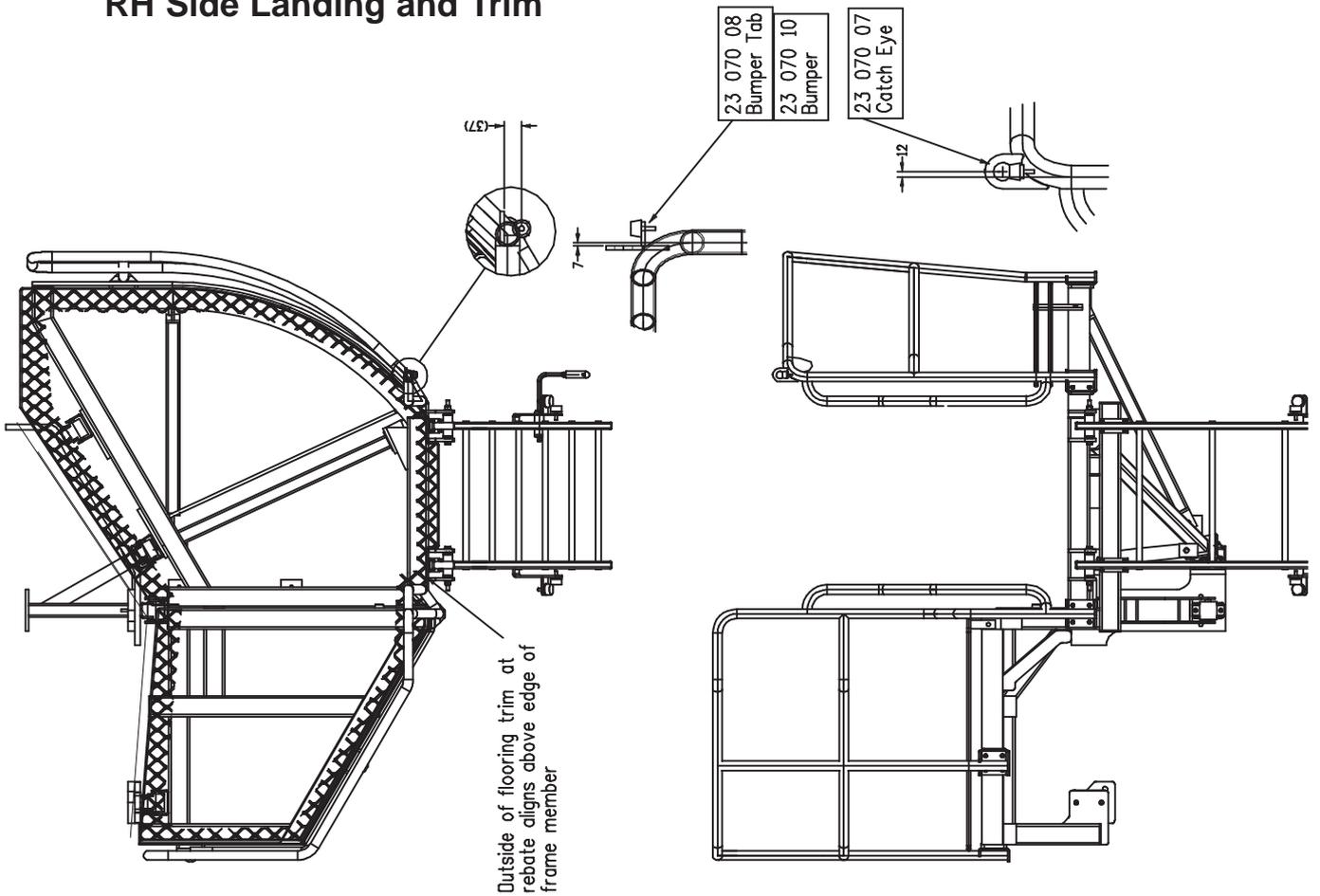
FOLDING LADDER

16M Grader



Section 1 Installation Instructions - Drawings - 23 059

RH Side Landing and Trim



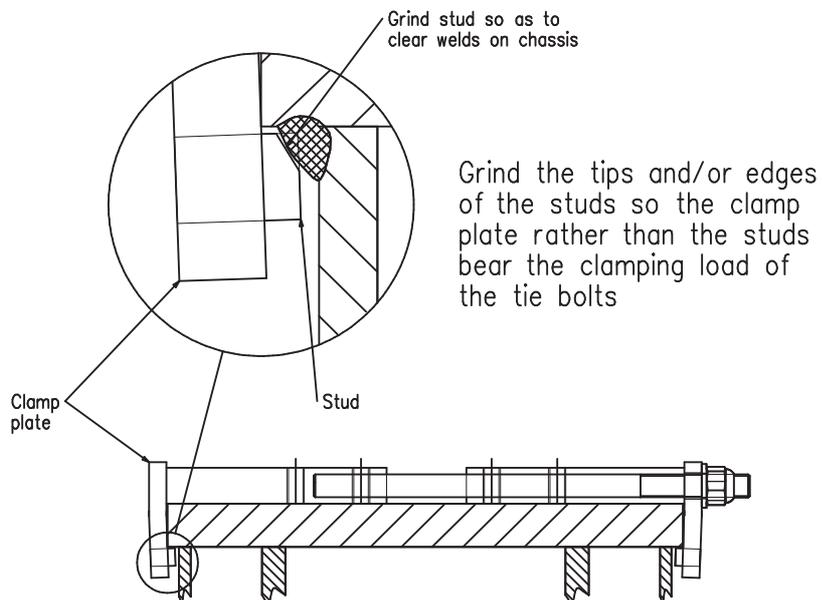
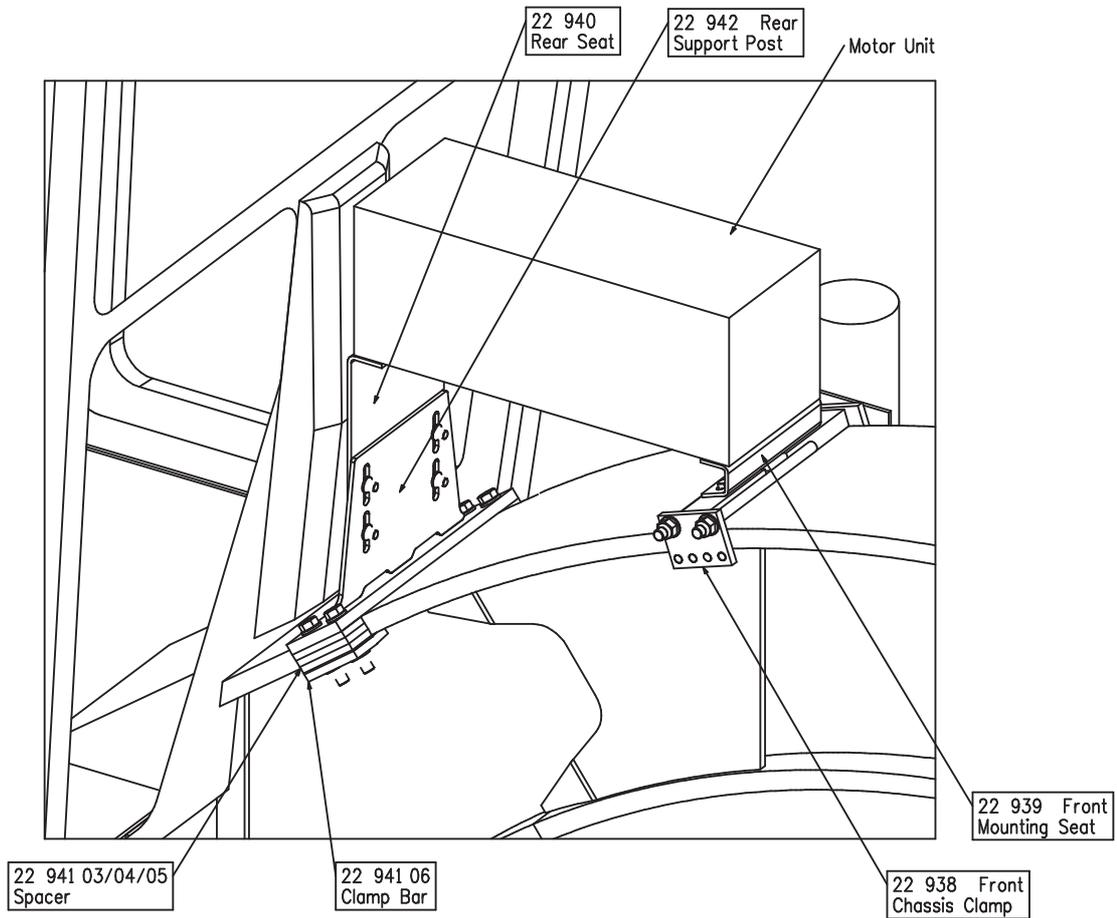
FOLDING LADDER

16M Grader



Section 1 Installation and Mounting Instructions

Power Pack Enclosure Mounting. Dwg. 22943



FOLDING LADDER

16M Grader



Section 1 Installation and Mounting Instructions (cont.)

Notes

NOTE

Follow all on-site/Mine lifting and safety procedures when installing Powerstep Folding Ladder to Grader

WARNING

Raising the POWER STEP ladder by external means can create a vacuum in the hydraulic cylinder and create the opportunity to allow air into the hydraulic system, defeating the inherent safety features of the POWER STEP.

This must be avoided, to maintain safe operation of the POWER STEP.

In instances where the use of external means to raise the ladder must be used, please follow the following instructions:

Loosen hard plumbed hydraulic lines on cylinder side of lock valve on cylinder.

Raise ladder by available means.

Note: Make necessary arrangements to collect displaced oil, and be aware that air enters the piston side of the cylinder as ladder is raised.

Lock in raised position.

Re-tighten hydraulic fittings.

SECURE THE LADDER IN THE RAISED POSITION, MECHANICALLY, CHAIN & TAGOUT THE POWER STEP

To recommission the POWER STEP:

Loosen hydraulic fittings on cylinder side of lock valve.

Note: Collect displaced oil.

Lower ladder to lowest position, using alternate safety approved means, fully retracting cylinder. Ensure all personnel are clear of step radius.

Operate electrical control switch to purge air from the hydraulic line systems, lock valve and cylinder.

Tighten the hydraulic fittings either side of lock valve to restriction fitting.

Cycle step unloaded several times to purge all air from hydraulic system.

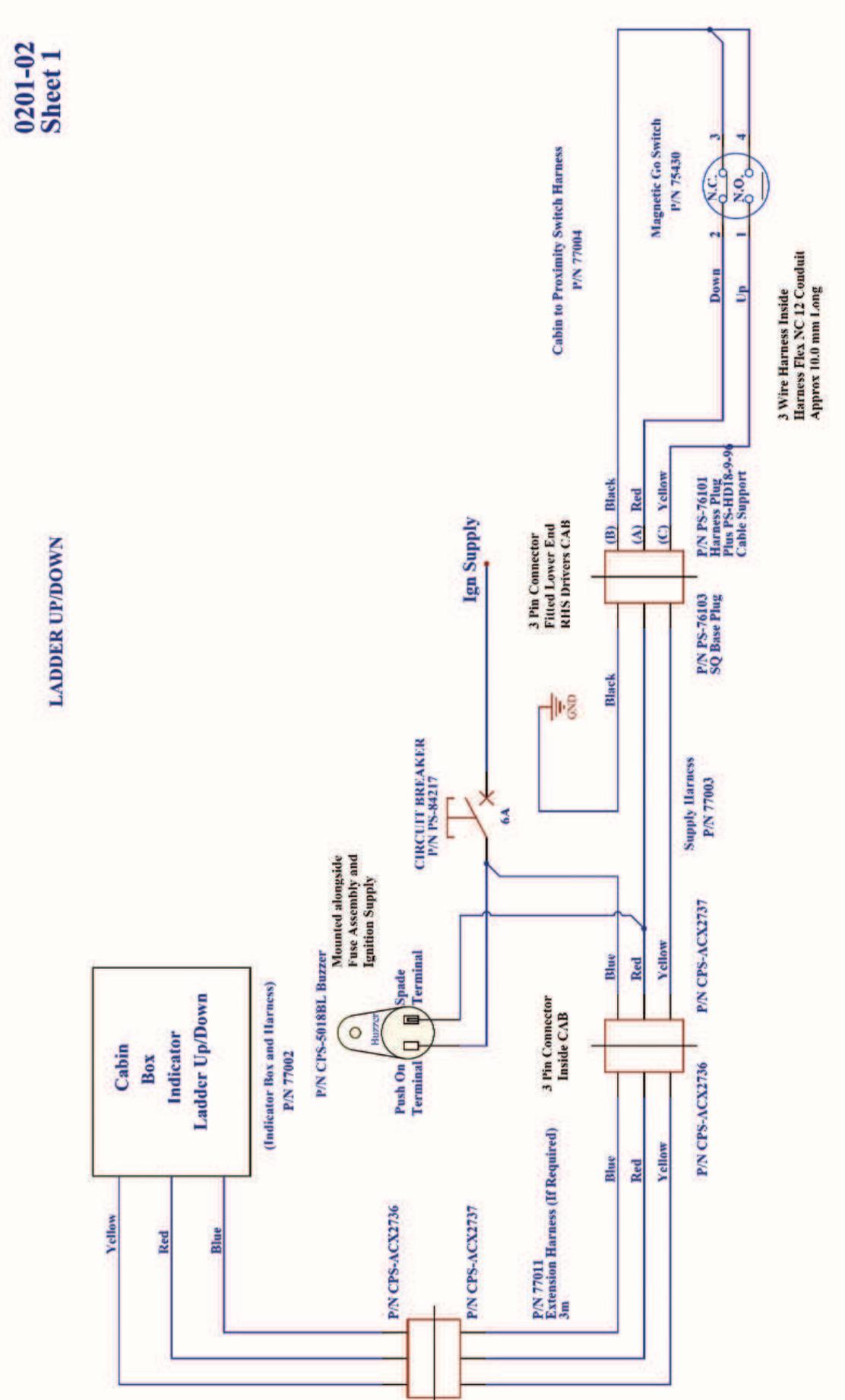
The Power Step will not operate correctly if there is any air in the hydraulic circuit (due to the incorrect operation of the lock valve).

FOLDING LADDER

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Section 2 Electrical System - Wiring Diagrams



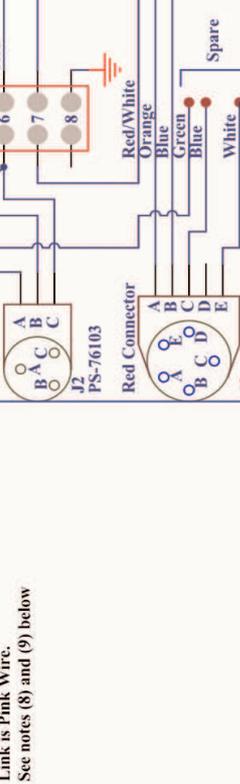
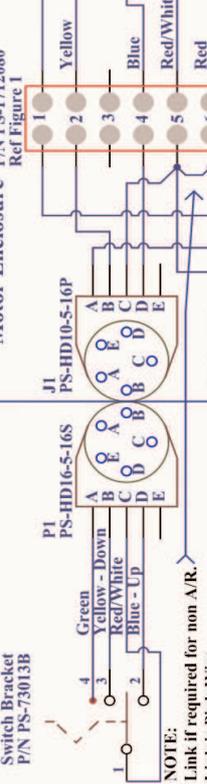
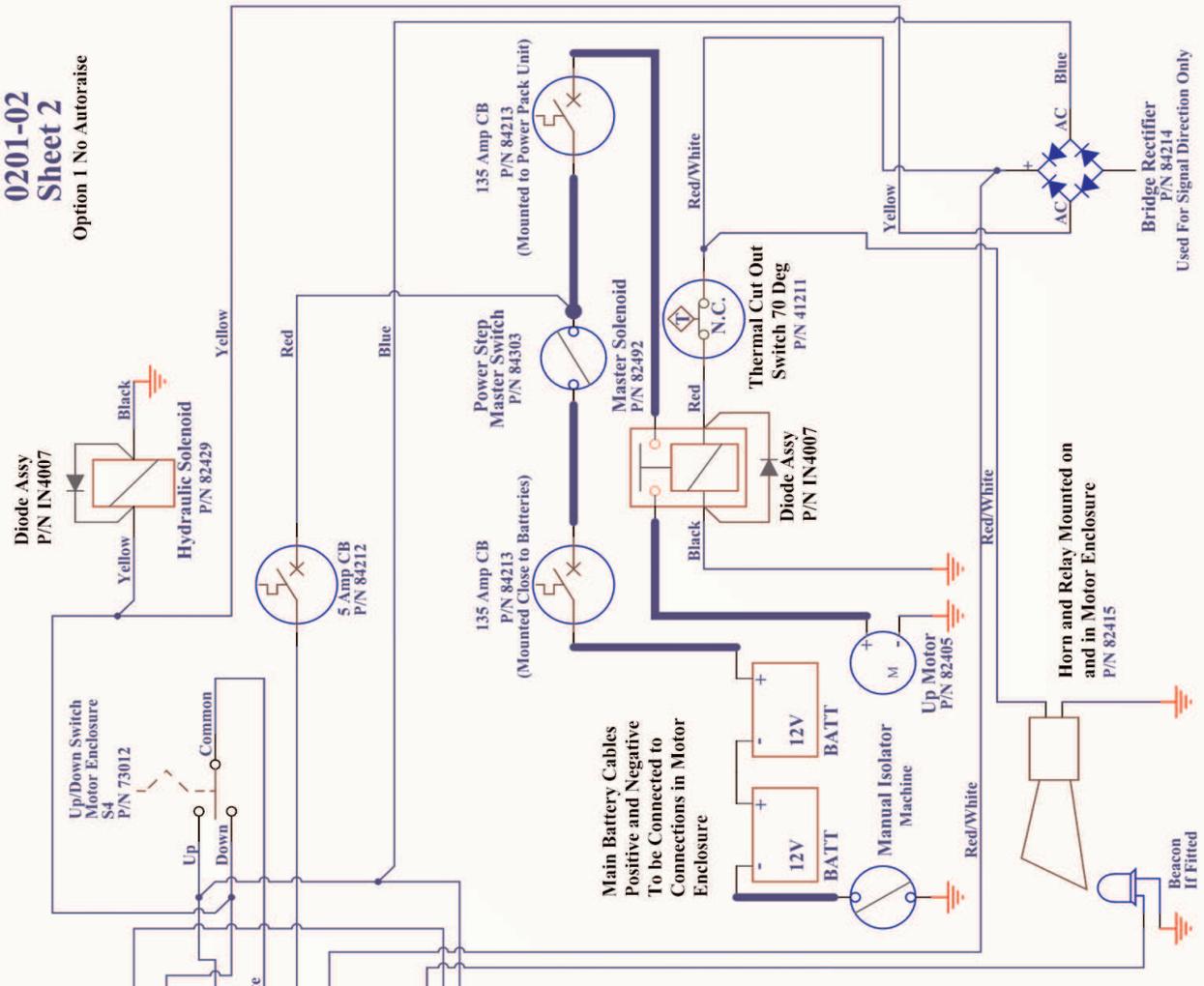
FOLDING LADDER 16M Grader



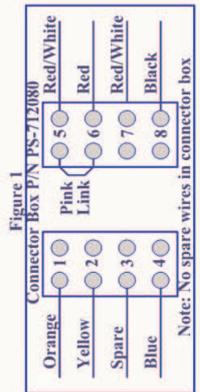
Section 2 Electrical System - Wiring Diagrams

**0201-02
Sheet 2**

Option 1 No Autoraise



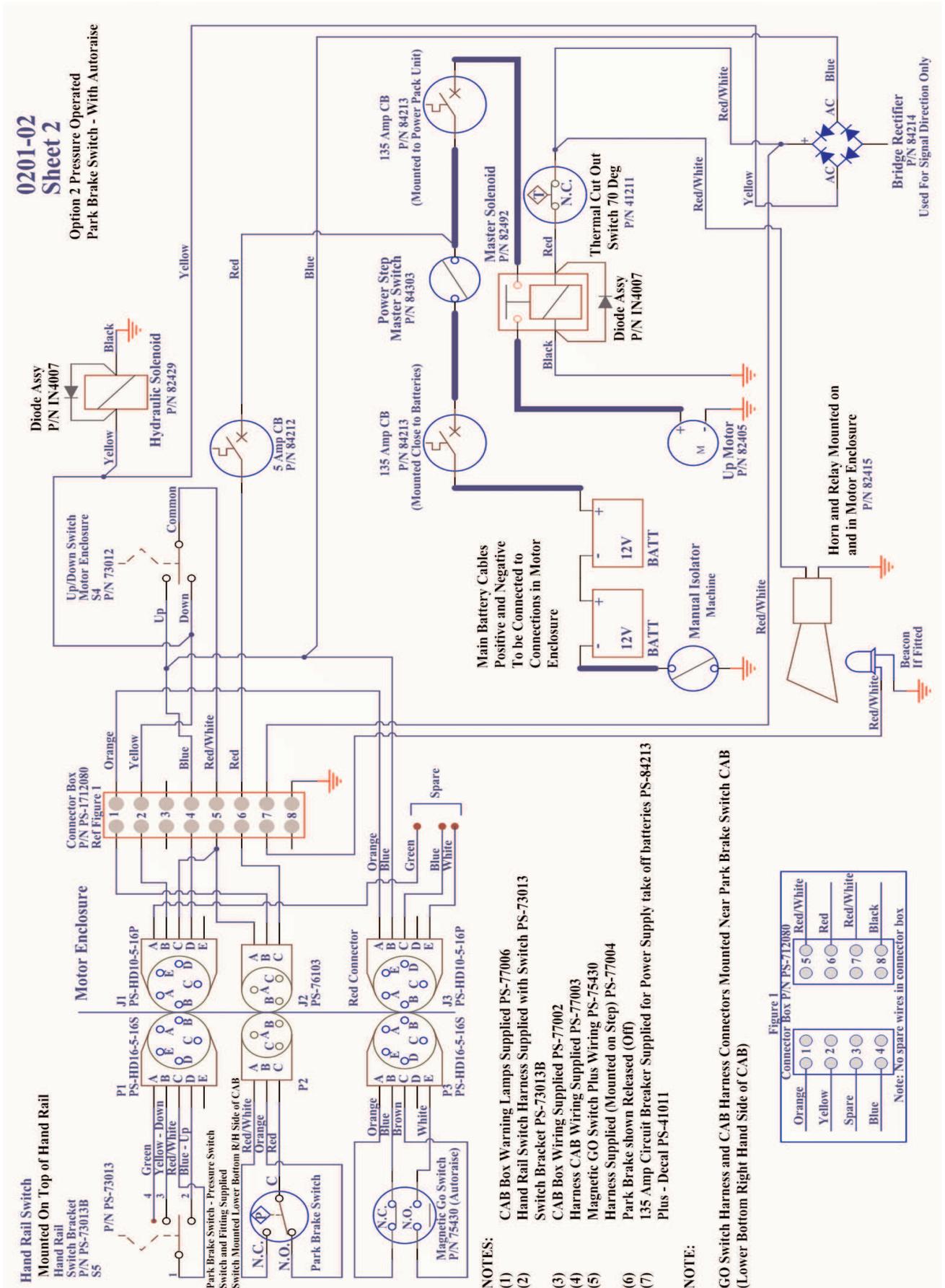
- NOTES:**
- (1) CAB Box Warning Lamps Supplied PS-77006
 - (2) Hand Rail Switch Harness Supplied with Switch PS-73013 Switch Bracket PS-73013B
 - (3) CAB Box Wiring Supplied PS-77002
 - (4) Harness CAB Wiring Supplied PS-77003
 - (5) Magnetic GO Switch Plus Wiring PS-75430
 - (6) Harness Supplied (Mounted on Step) PS-77004
 - (7) Park Brake shown Released (Off)
 - (8) 135 Amp Circuit Breaker Supplied for Power Supply take off batteries PS-84213 Plus - Decal PS-41011
 - (9) Link pos 5 & 6 of Connector box if Auto Raise System is NOT fitted. Remove link between pos 5 & 6 of Connector Box if Auto Raise System IS fitted.



FOLDING LADDER 16M Grader



Section 2 Electrical System - Wiring Diagrams



FOLDING LADDER

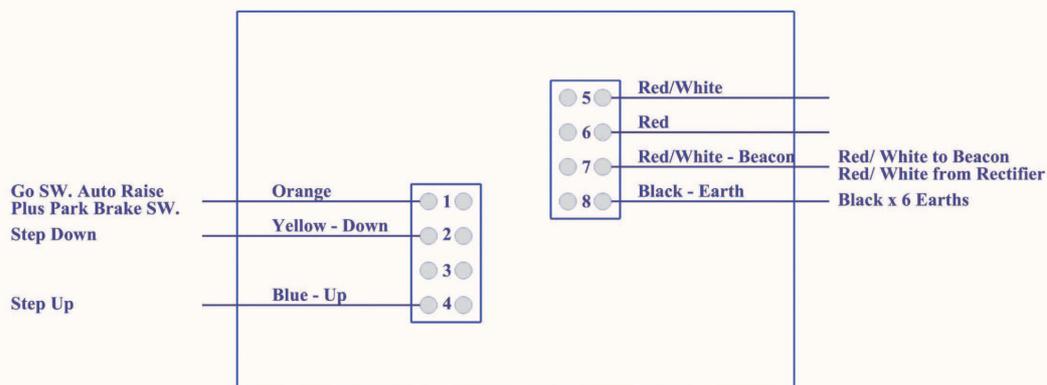
16M Grader



Section 2 Electrical System - Wiring Diagrams

0201-02
Sheet 5

Wiring Harness



Park Brake Harness - P/No 77006-PB

<u>Plug Term</u>	<u>Colour</u>		<u>Terminal ID.</u>	
(C)	Red	-	COM] Length 10m (Harness Flex No 12)
(A)	Red/White	-	N.C.	
(B)	Orange	-	N.O.	

Go Switch Harness (Auto Raise) P/No 77009-AR

<u>Plug Term</u>	<u>Colour</u>		<u>Terminal ID.</u>	
(B)	Blue	-	No. 1 Terminal N.C. Contact] Length 10m (Harness Flex No 12)
(E)	White (Spare)	-	No. 2 Terminal N.O. Contact	
(A)	Orange	-	No. 3 Terminal N.C. Contact	
(C)	Brown (Spare)	-	No. 4 Terminal N.O. Contact	

Go Switch Harness (Cabin to Go Switch) P/No 77004 (Cabin Indicator Ladder Up/Down)

<u>Plug Term</u>	<u>Colour</u>		<u>Terminal ID.</u>	
(B)	Black	-	No. 1 Terminal N.C. Contact] Length 10m (Harness Flex No 12)
(B)	Black	-	No. 2 Terminal N.O. Contact	
(Bridge No. 1 and No. 2 in Go Switch)				
(A)	Red	-	No. 3 Terminal N.C. Contact	
(C)	Yellow	-	No. 4 Terminal N.O. Contact	

Hand Rail Switch Harness (P/No 77010) (Handrail SW to Power Pack Box)

<u>Plug Term</u>	<u>Colour</u>		<u>SW Contacts</u>		<u>Switch Terminal No.</u>	
(C)	Red/White	-	No 1	-	No 5] Length 10m (Harness Flex No 12)
(D)	Blue	-	No 2	-	No 4	
(B)	Yellow	-	No 3	-	No 2	
(A)	Green	-	No 4	-		

FOLDING LADDER

16M Grader



Section 3 Recommended Maintenance Procedure

Suggested Service Procedure for Maintenance on Motor Grader Power Step

Daily

Visually check ladder and structure for damage, loose components, handrails, & Tandem handrails and gates.
Check for hydraulic oil leaks from hydraulic cylinder, plumbing and hoses.
Notify the appropriate supervisor for any observed damage or malfunction.

250 Hours:

Check oil level reservoir & top up if required.
Fill/Top up with same oil as used in machine hydraulics to within 25-35mm of top of hydraulic reservoir. As per reservoir decal.
Check Power Step and Tandem gates visually for structural damage, oil leaks, damaged electrical cable.
Repair/Replace as necessary.
Grease Cylinder Pins & check all pin locking bolts on ladder.
Grease the nipples on the ladder pins.

1000 Hours:

Check oil level in Reservoir
Fill/Top up with same oil as used in machine hydraulics to within 25-35mm of top of hydraulic reservoir. As per reservoir decal.
Check arm pins for wear in platform locating plates & mounting plates - rebush or repair as necessary.
Grease all pins, hydraulic cylinder and ladder.

6000 Hours:

Check Cylinder Bushes, replace if necessary. (Fitted to ladder and platforms)
Drain & refill hydraulic tank to correct level.
Check hydraulic hoses.
Remove Hydraulic Cylinder - Check cylinder pins for wear/damage replace if necessary.
Clean motor enclosure, bleed hydraulic system, check for leaks.
Grease the nipples on the hydraulic cylinder pins & ladder pins.
Check and inspect all main bolts on ladder system & isolators for wear.
Check all bolts and nuts. Torque if required.
Check all electrics & components for correct operation.
Repeat daily check as above.

Caution:

Whenever carrying out maintenance on the hydraulic cylinder, or hydraulic system, ensure that correct restriction orifice fittings are in place at the cylinder.
If 90° restriction orifice fitting is damaged, or has been replaced at some stage with a standard fitting, refer to repair parts list for correct Part No. & appropriate restriction.
Maintenance on the hydraulic system should only be carried out with the platform in the lowered position or locked in position with correct lifting device.

FOLDING LADDER

16M Grader



Section 4 Operating Procedure

To Lower Ladder (from the machine)

Position machine in a level, safe area, away from the work face, whenever possible. Apply park brake and lower engine speed to idle. Drop blade and rippers. Check that the area below the Ladder Access System is clear of people and obstacles, and lower ladder by operating the two position electrical switch adjacent to the ladder, to the down position by pressing the switch down. Hold the switch in the down position until ladder is fully lowered. If the Grader is parked on uneven ground, the bottom of the ladder may touch the ground before the ladder is in the fully lowered position. Should this occur, descend the ladder with caution.

To Raise Ladder

Ascend the ladder onto the landing of the Grader. Ensure the area around the ladder is clear of people and equipment standing to the side, clear of the area the handrails and ladder raises into, operate the electrical switch to the raise position (up). Hold the switch in the up position until the ladder is in the fully raised position. The ladder is now raised and stored.

OPERATING NOTES

NOTE: FLOW CONTROL VALVE ADJUSTMENT:

The valve should be positioned to restrict the flow and speed of the Power Step when lowering. Adjust the knob on top of the valve by turning left or right (clockwise) when the step is being lowered, until it is lowering at a safe and reasonable speed.

When it is adjusted, lock the adjusting knob by tightening the grub screw located on the side of the knob.

NOTE: MAGNETIC 'GO' SWITCH ADJUSTMENT:

The switch target trigger area is located on the opposite side and end from the cable entry point on the switch. Once it is mounted to the switch bracket, adjust the switch in or out from the stair steel trigger point, to be within 3mm - 10mm from touching each other when the stair is in the desired rest position.

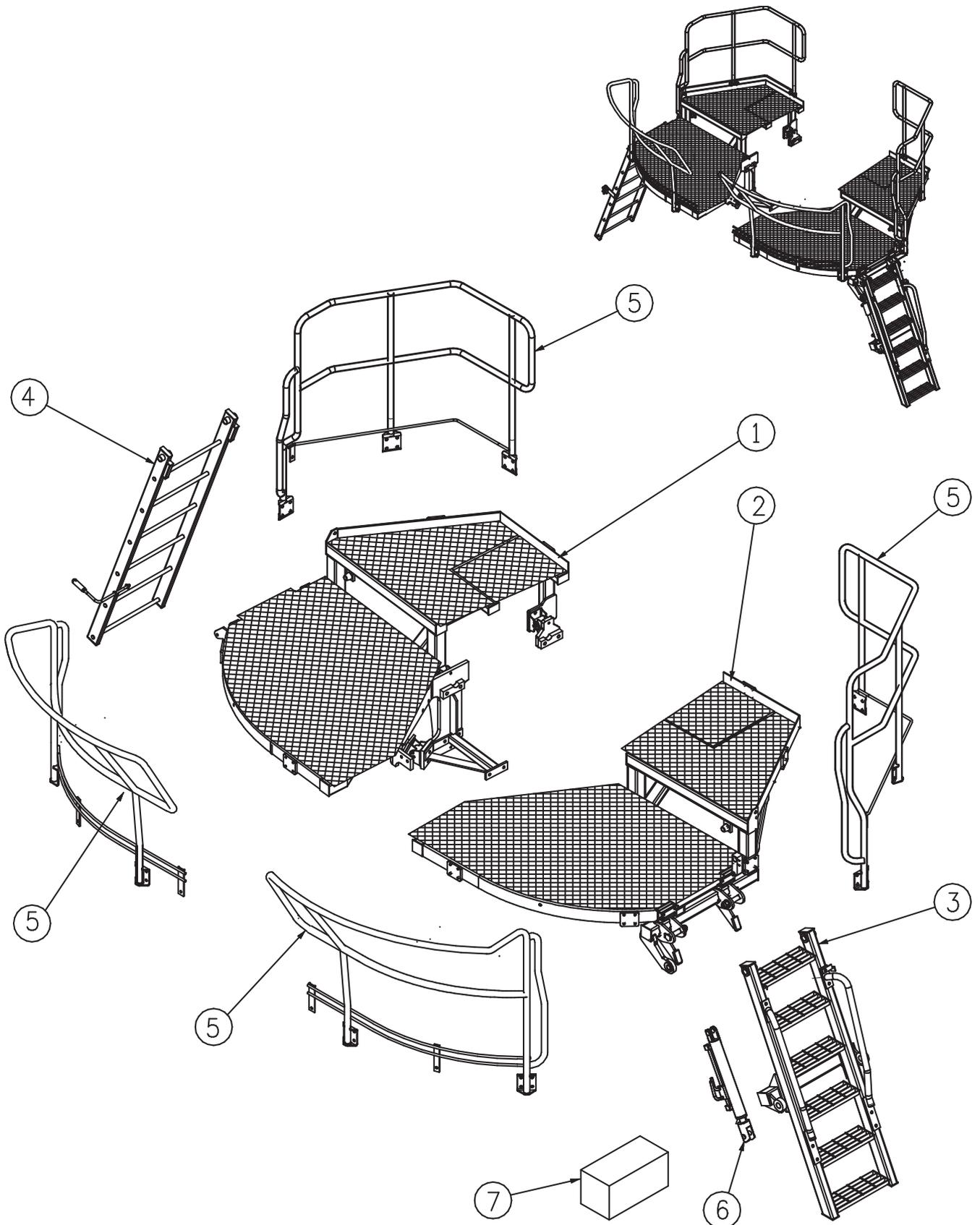
[DO NOT EXCEED 10MM DISTANCE BETWEEN THE SWITCH AND STRIKER PLATE]. Test by raising and lowering the Power Step a couple of times and adjust again if necessary.

FOLDING LADDER

16M Grader



Section 5 Assembly Complete



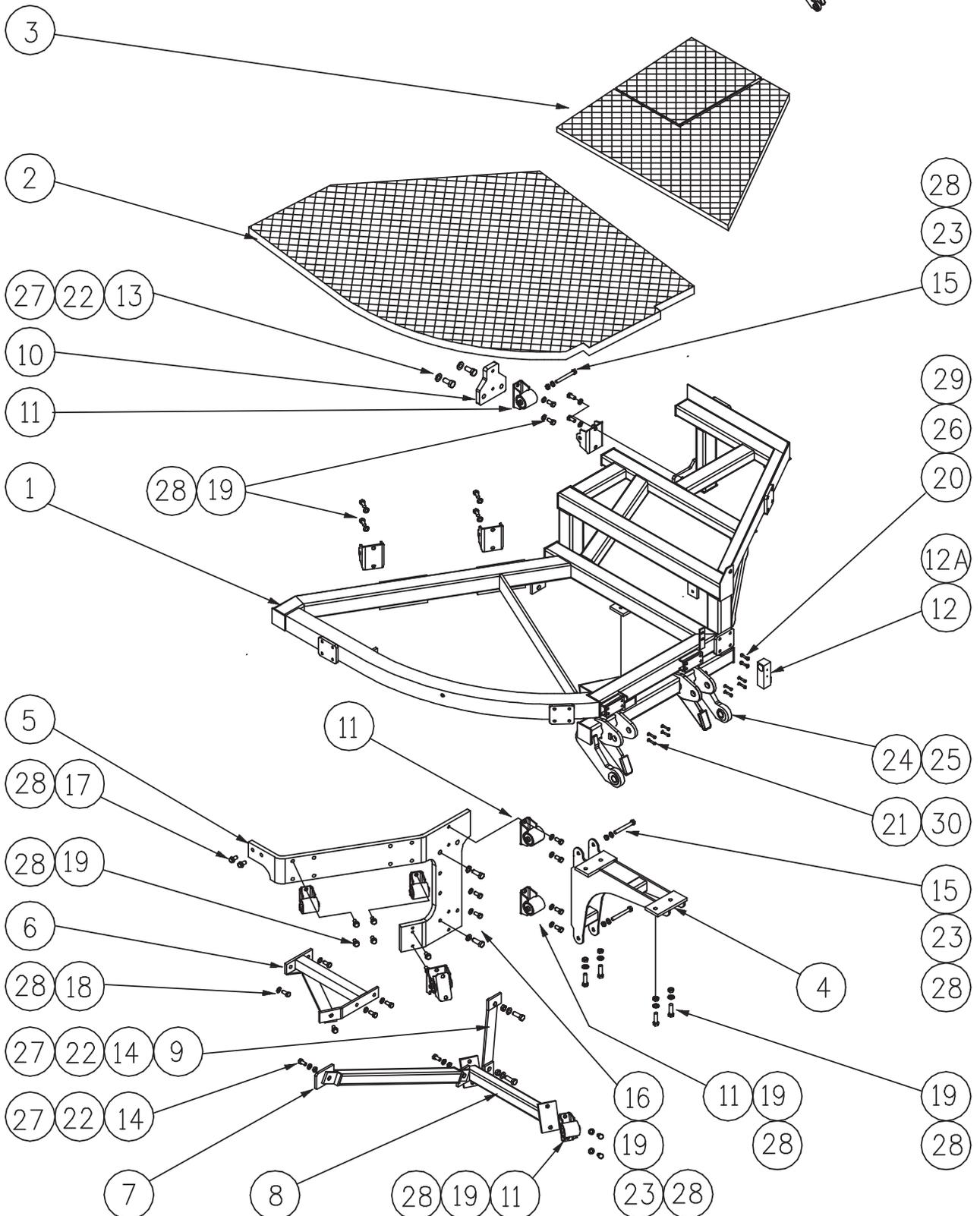
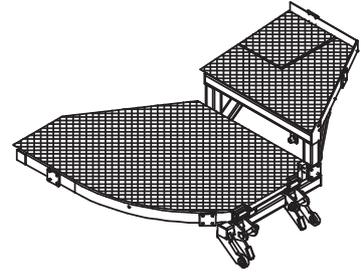
FOLDING LADDER

16M Grader



Section 5-1 Landing Assembly LHS

Parts List See Page 18



FOLDING LADDER

16M Grader



Section 5-1 Landing Assembly LHS

See Drawing Page 17

Item	Part No.	Part Name	Qty		
1	PS-23039	LANDING-FABRICATION- LHS	1		
2	PS-23060	FLOOR PANEL LANDING-FRONT-LHS	1		
3	PS-23061	FLOOR PANEL-LANDING-REAR -LHS	1		
4	PS-23040	LANDING SUPPORT BRACKET-LHS	1		
5	PS-23023	FRONT MOUNTING BRACKET-LHS	1		
6	PS-23026	MOUNTING BRACKET STRUT-LHS	1		
7	PS-23042	FRONT BRACE-LHS	1		
8	PS-23041	MAIN BRACE-LHS	1		
9	PS-23043 01	HANGER-LHS	1		
10	PS-23024-02	REAR MOUNTING PLATE	1		
11	PS-21930-A	ISOLATORS	7		
12	PS-75430	GO-SWITCH	1		
12A	PS-76006	90Deg. GLAND (Go Switch)	1		
13	CPS-16X50ZP	BOLT-M16 x 50	4		
14	CPS-16X45ZP	BOLT-M16 x 45	4		
15	CPS-M12X110	BOLT-M12 x 110	7		
16	CPS-M12X50ZP	BOLT-M12 x 50	2		
17	CPS-M12X40ZP	BOLT-M12 x 40	6		
18	CPS-M12X30ZP	BOLT-M12 x 30	2		
19	CPS-M12X25ZP	BOLT-M12 x 25	30		
20	CPS-M5X50ZP	BOLT (Go switch)	2		
21	CPS-M6X16ZP	BOLT-M6 x 16 PanHd	8		
22	CPS-M16NZP	NUT-M16	4		
23	PS-M12NZP	NUT-M12	7		
24	PS-23033	WELD IN BUSH/CYLINDER PLATFORM	2		
25	PS-63099-B	PRESS IN BUSH-HARDENED	2		
26	CPS-M5NZP	NUT -M5	2		
27	CPS-M16WH	WASHER-M16	8		
28	CPS-M12WH	WASHER-M12	52		
29	CPS-M5WH	WASHER-M5	2		
30	CPS-M6HW	WASHER-M6	8		

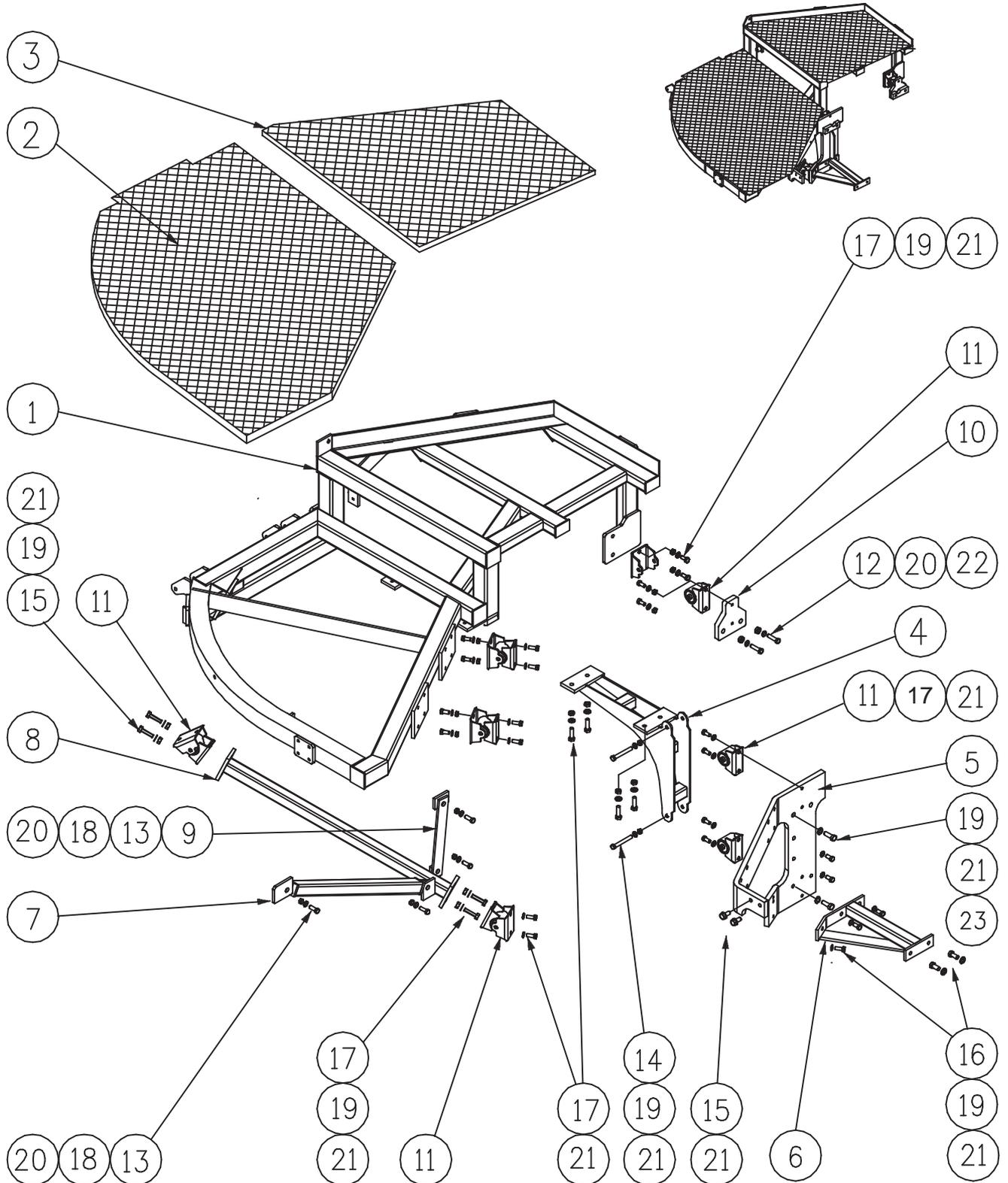
FOLDING LADDER

16M Grader



Section 5-2 Landing Assembly - RHS

Parts List See Page 20



FOLDING LADDER

16M Grader



Section 5-2 Landing Assembly - RHS

See Drawing Page 19

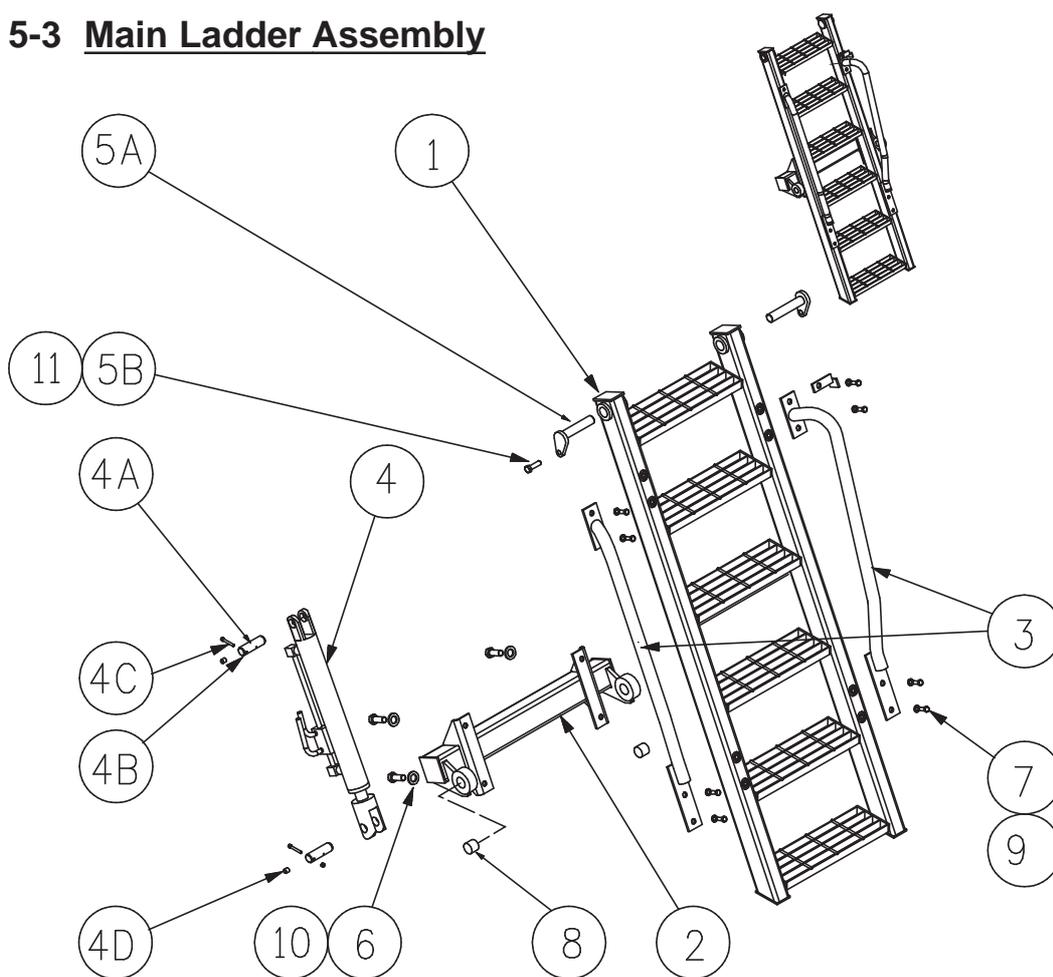
Item	Part No.	Part Name	Qty		
1	PS-23052	LANDING-FABRICATION- RHS	1		
2	PS-23060	FLOOR PANEL LANDING-FRONT-RHS	1		
3	PS-23062	FLOOR PANEL-LANDING-REAR -RHS	1		
4	PS-23040	LANDING SUPPORT BRACKET-RHS	1		
5	PS-23023	FRONT MOUNTING BRACKET-RHS	1		
6	PS-23026	MOUNTING BRACKET STRUT-RHS	1		
7	PS-23042	FRONT BRACE-RHS	1		
8	PS-23041	MAIN BRACE-RHS	1		
9	PS-23043 01	HANGER-RHS	1		
10	PS-23024-02	REAR MOUNTING PLATE	1		
11	PS-21930-A	ISOLATORS	7		
12	CPS-16X50ZP	BOLT-M16 x 50	4		
13	CPS-M16X45ZP	BOLT-M16 x 45	4		
14	CPS-M12X110	BOLT-M12 x 110	7		
15	CPS-M12X40ZP	BOLT-M12 x 40	6		
16	CPS-M12X30ZP	BOLT-M12 x 30	2		
17	CPS-M12X25ZP	BOLT-M12 x 25	30		
18	CPS-M16NZP	NUT-M16	4		
19	PS-M12NZP	NUT-M12	7		
20	CPS-M16WH	WASHER-M16	8		
21	CPS-M12WH	WASHER-M12	52		

FOLDING LADDER

16M Grader



Section 5-3 Main Ladder Assembly



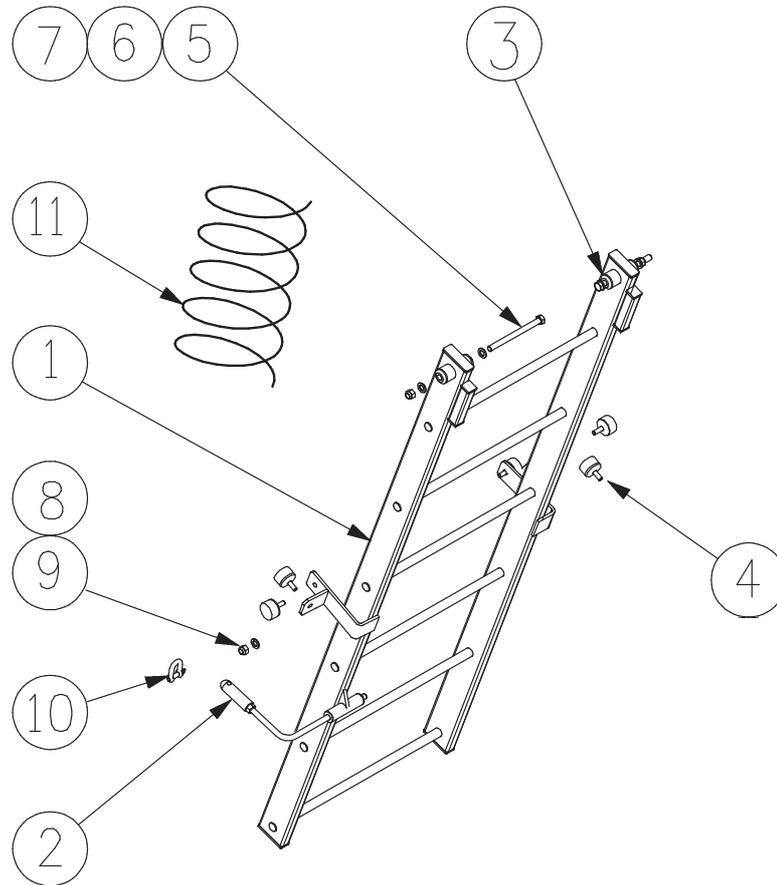
Item	Part No.	Part Name	Qty		
1	PS-23046	MAIN LADDER	1		
2	PS-23045	LADDER ACTUATOR BEAM	1		
3	PS-23047	HANDRAILS-MAN LADDER	1 Set 2		
4	PS-63011-AH	CYLINDER ASSY WITH HARD PLUMBING	1		
4A	PS-22468-02	CYLINDER PIN-CYLINDER END	1		
4B	PS-63009-P	CYLINDER PIN-ROD END	1		
4C	CPS-M8X56	SPLIT PIN-CYLINDER PIN	2		
4D	PS-61006-2	GREASE NIPPLE-6M	2		
5A	PS-23032	LADDER PIN	2		
5B	CPS-M8X20ZP	LADDER PIN BOLT/LOCK	2		
6	CPS-M16X35ZP	BOLT-M16 x 35	4		
7	CPS-M12X25	BOLT-M12 x 25	8		
8	PS-63009-B	PRESS IN BUSH-HARDENED	2		
9	CPS-M12WH	WASHER-M12	8		
10	CPS-M16WH	WASHER-M16	4		
11	CPS-M8WH	WASHER-M8	2		

FOLDING LADDER

16M Grader



Section 5-4 Emergency Ladder Assembly



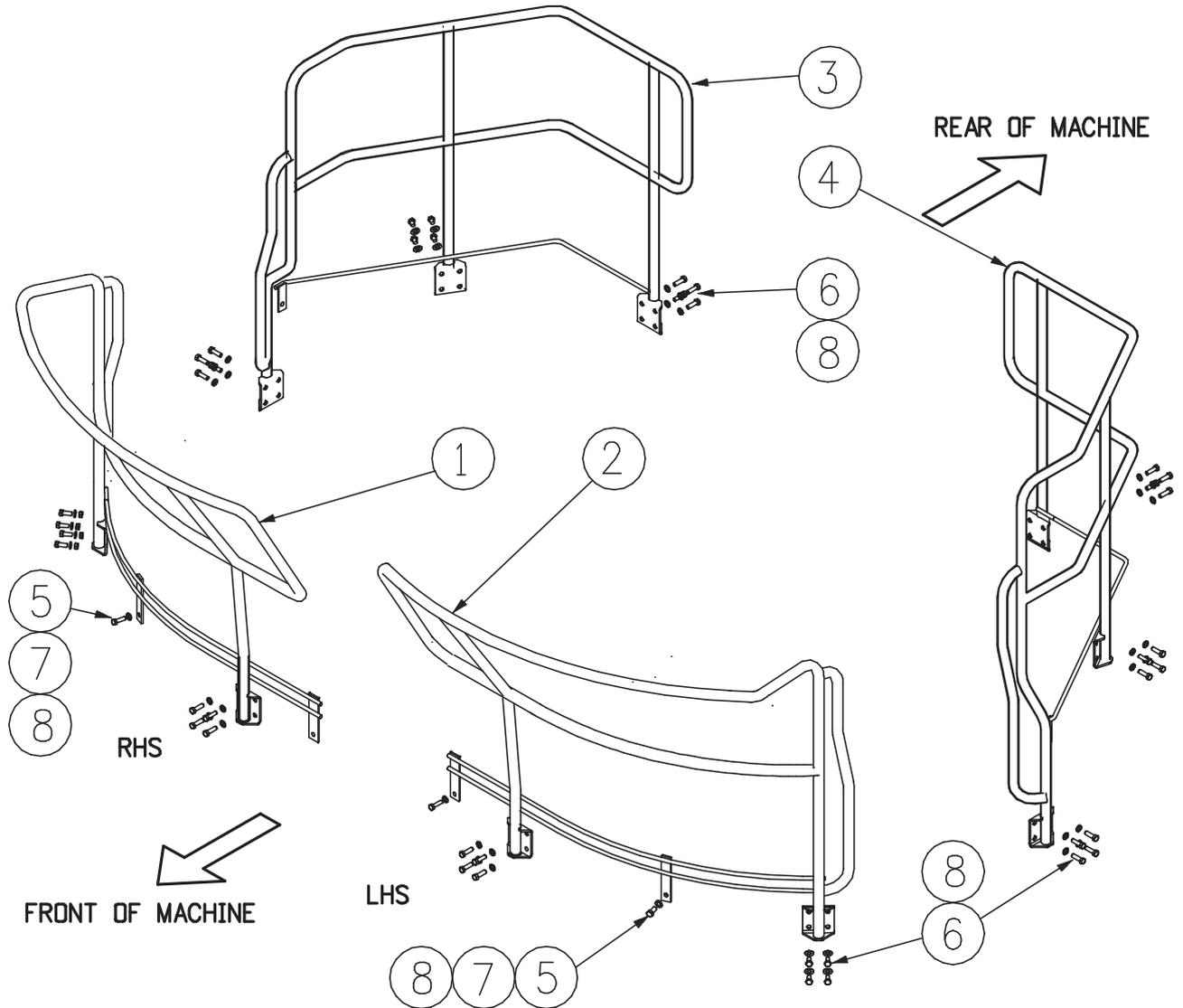
Item	Part No.	Part Name	Qty		
1	PS-23057	EMERGENCY LADDER	1		
2	PS-23070	CATCH ROD ASSEMBLY	1		
3	PS-S245	BUSH- S245	6		
4	PS-40002	BUFFER-RUBBER	4		
5	CPS-M12X150ZP	BOLT-M12 x 150	2		
6	CPS-M12NN	NUT-NYLOC-M12	2		
7	CPS-M12WH	WASHER-M12	4		
8	CPS-M10WH	WASHER FLAT 10mm	4		
9	CPS-M10 DOMENUT	DOME NUT	4		
10	PS-19002	"D" SHACKLE	2		
11	CPS-ROPE	ROPE 4mm - 4 Meters	1		

FOLDING LADDER

16M Grader



Section 5-5 Handrails



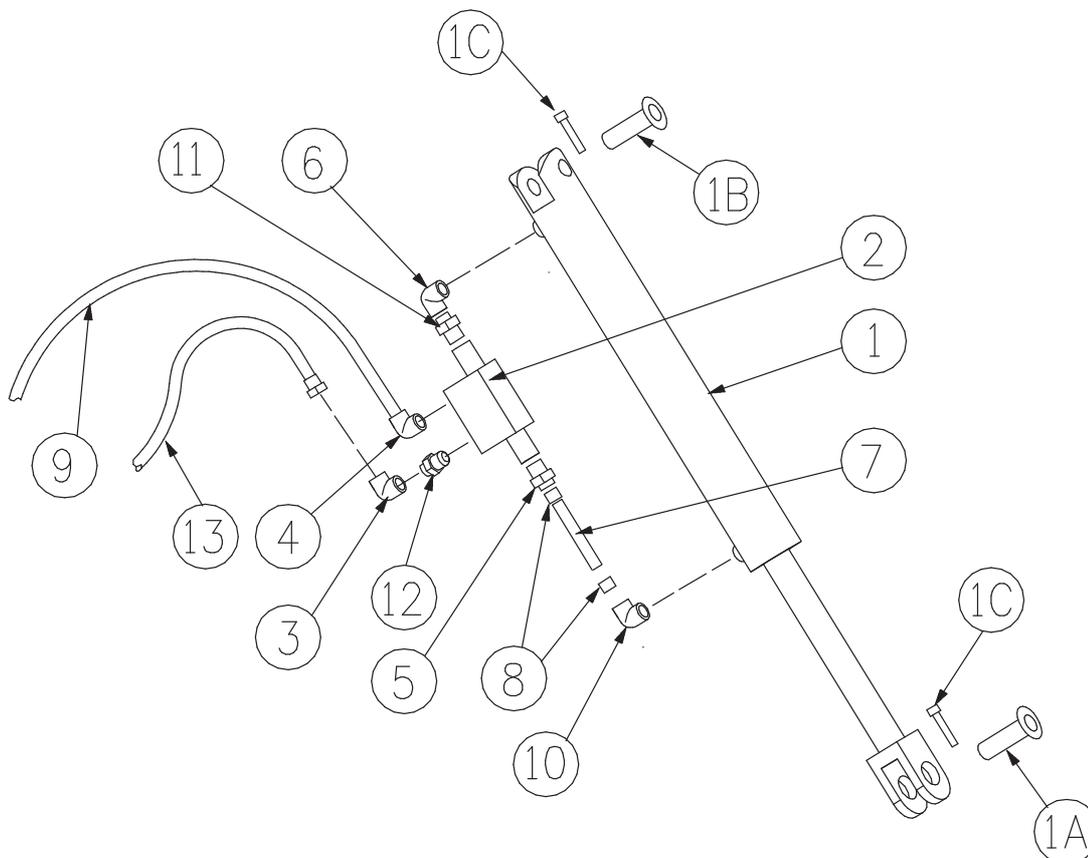
Item	Part No.	Part Name	Qty		
1	PS-23048 00R	HANDRAIL-FRONT-RIGHT	1		
2	PS-23048 00L	HANDRAIL-FRONT-LEFT	1		
3	PS-23049 00R	HANDRAIL-REAR-RIGHT	1		
4	PS-23049 00L	HANDRAIL-REAR-LEFT	1		
5	CPS-M12X35ZP	BOLT-M12 x 35	6		
6	CPS-M12X20ZP	BOLT-M12 x 20	40		
7	CPS-M12NZZP	NUT-M12	6		
8	CPS-M12WH	WASHER-M12	52		

FOLDING LADDER

16M Grader



Section 5-6 Hydraulic Cylinder Assy PS-63011AH



NOTE 63011-AH Does not include Items 1A, 1B, 9, 13.

Item	Part No.	Part Name	Qty		
1	PS-63011-A	HYDRAULIC CYLINDER 9/16"UNO PORTS	1		
-	PS-63011-SK	SEAL KIT (NOT SHOWN)	1		
1A	PS-63009-P	PIN-ROD END	1		
1B	PS-22468-02	PIN-CYL END	1		
1C	CPS-M8X56	SPLIT PIN	2		
2	PS-63201	VALVE - PILOT OPERATED LOCKING	1		
3	PS-61151	FITTING - ELBOW-7/16" JIC	1		
4	PS-61154	FITTING - ELBOW- O RING 1/4BSPPx9/16" JIC	1		
5	PS-61157	FITTING - O RING 1/4BSPPx 9/16" JIC	1		
6	PS-61158-0.040"	FITTING - 0.040" RESTRICTION 90 DEG	1		
7	PS-61160-140MM	TUBE -140MM (Cut to size to fit)	2		
8	PS-60047-FT	FERRULES	2		
9	PS-60051-2.8	HOSE- HYDR. (9/6" JIC SWIVEL FITTING 2.8M)	2		
10	PS-61158-0.030"	FITTING - 0.03" RESTRICTION 90 DEG	1		
11	PS-61145	FITTING - 9/16" JIC SWIVEL	2		
12	PS-61153	FITTING -O RING 1/4"BSPP x 7/16" JIC	1		
13	PS-60050-2.8	HOSE - HYDR. 7/16" JIC SWIVEL FITTINGS	1		

FOLDING LADDER

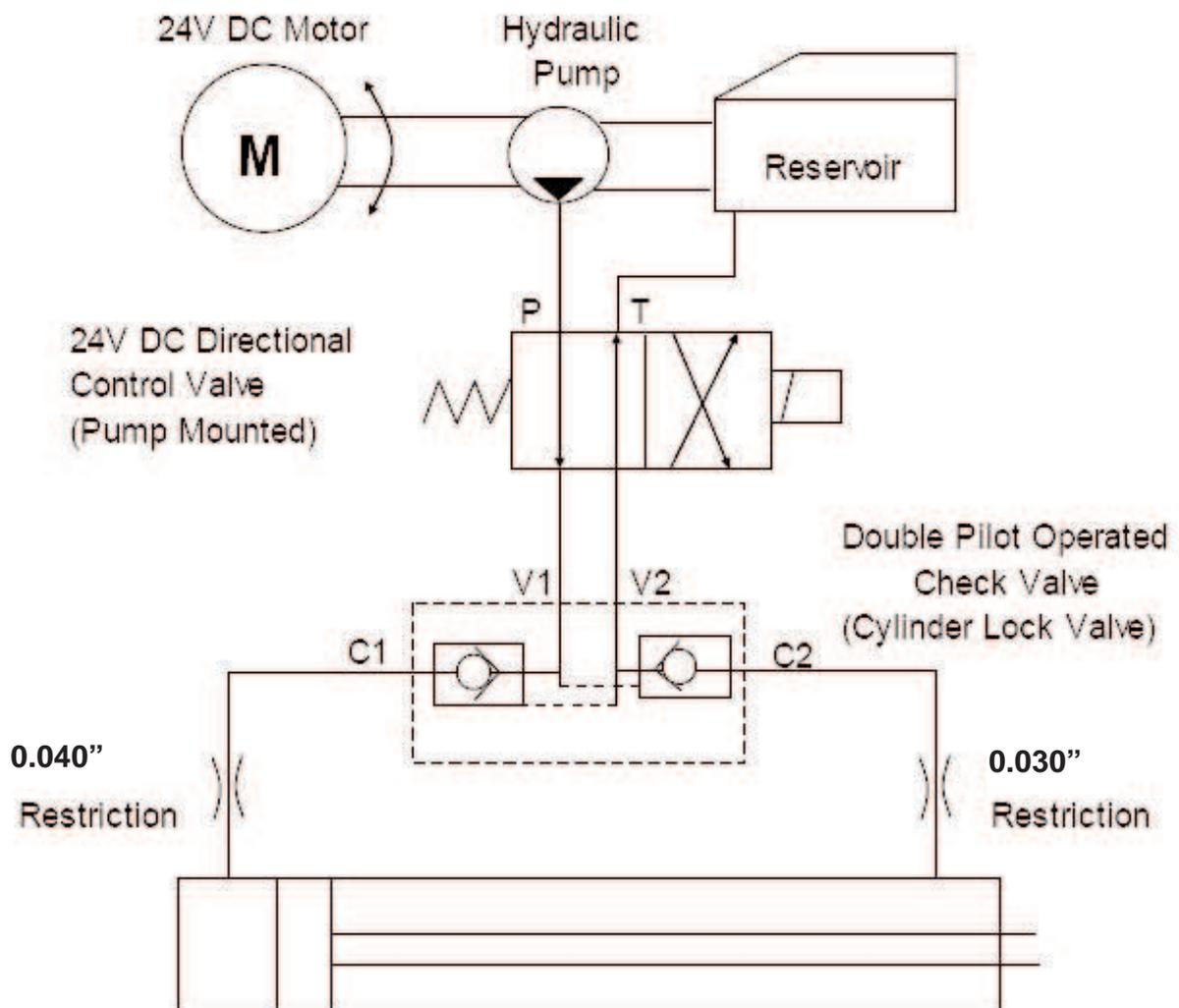
16M Grader



Section 5-6 Hydraulic Cylinder (Valve Diagram)

See also Drawing Page 24

Double Acting Hydraulic System with
directional Control Valve and Cylinder
Lock Valve

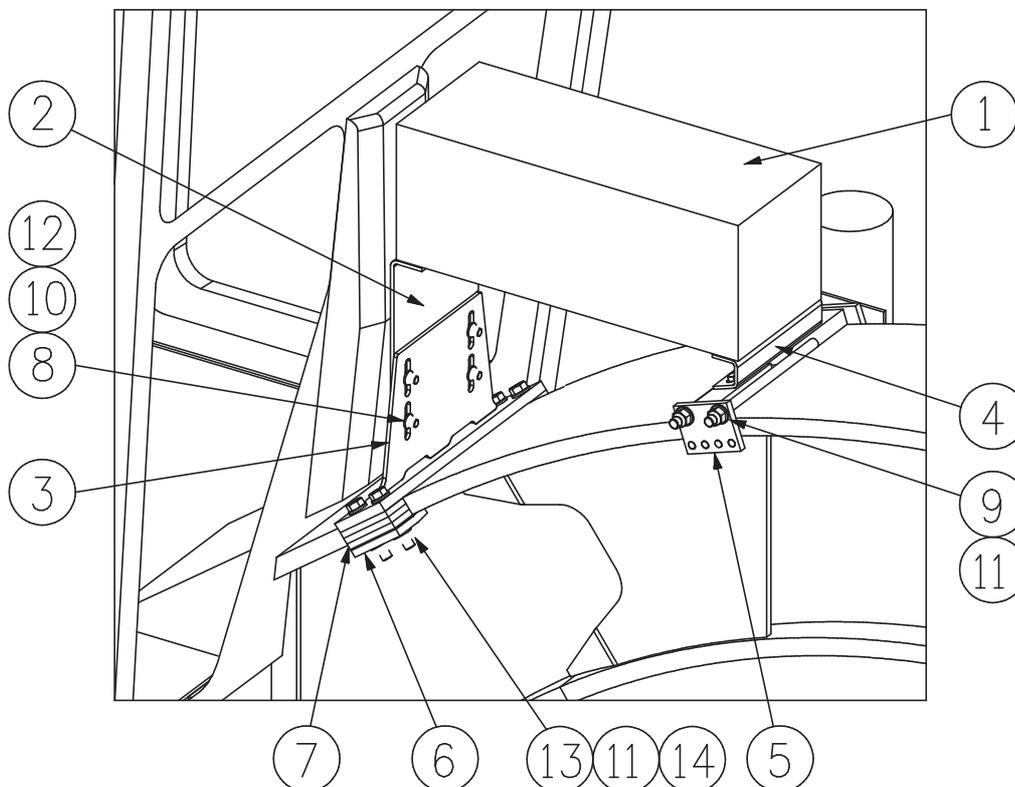


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Section 5-7 Power Pack Enclosure

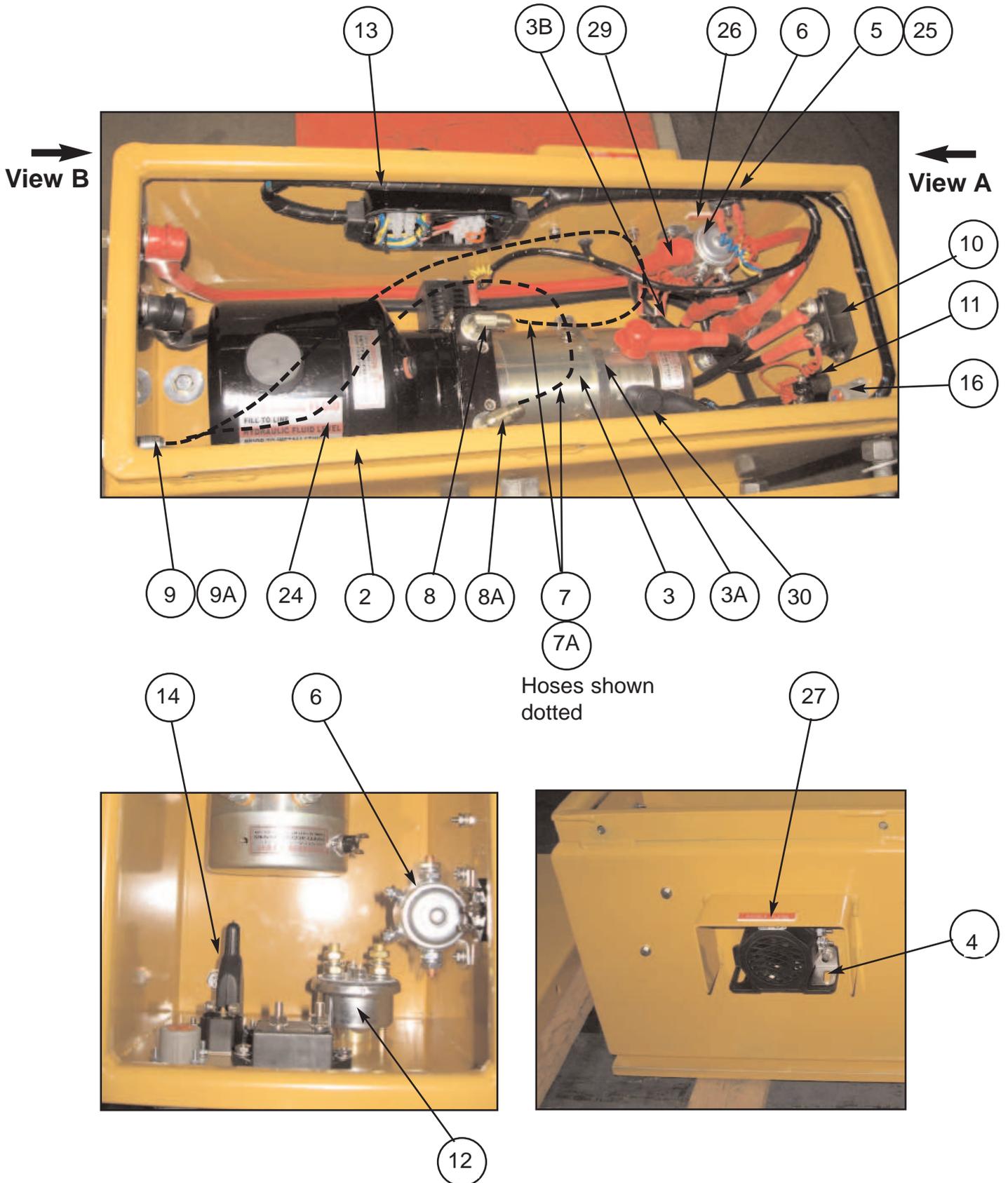


Item	Part No.	Part Name	Qty		
1	PS-80103A-SLD-GRD	MOTOR UNIT	1		
2	PS-22940-01	REAR SEAT	1		
3	PS-22942	REAR SUPPORT POST	1		
4	PS-22939	FRONT MOUNTING SEAT	1		
5	PS-22938	FRONT CHASSIS CLAMP	1		
6	PS-22941-06	CLAMP BAR	2		
7	PS-22941-03/04/05	SPACERS (4 of each size)	12		
8	CPS-M12X30ZP	BOLT-M12 x 30	4		
9	CPS-M16NN	NUT-NYLOC-M16	2		
10	CPS-M12NZP	NUT-M12	4		
11	CPS-M16WH	WASHER-M16	4		
12	CPS-M12WH	WASHER-M12	4		
13	CPS-M16X90ZP	BOLT M16 x 90	4		
14	CPS-M16NZP	NUT-M16	4		

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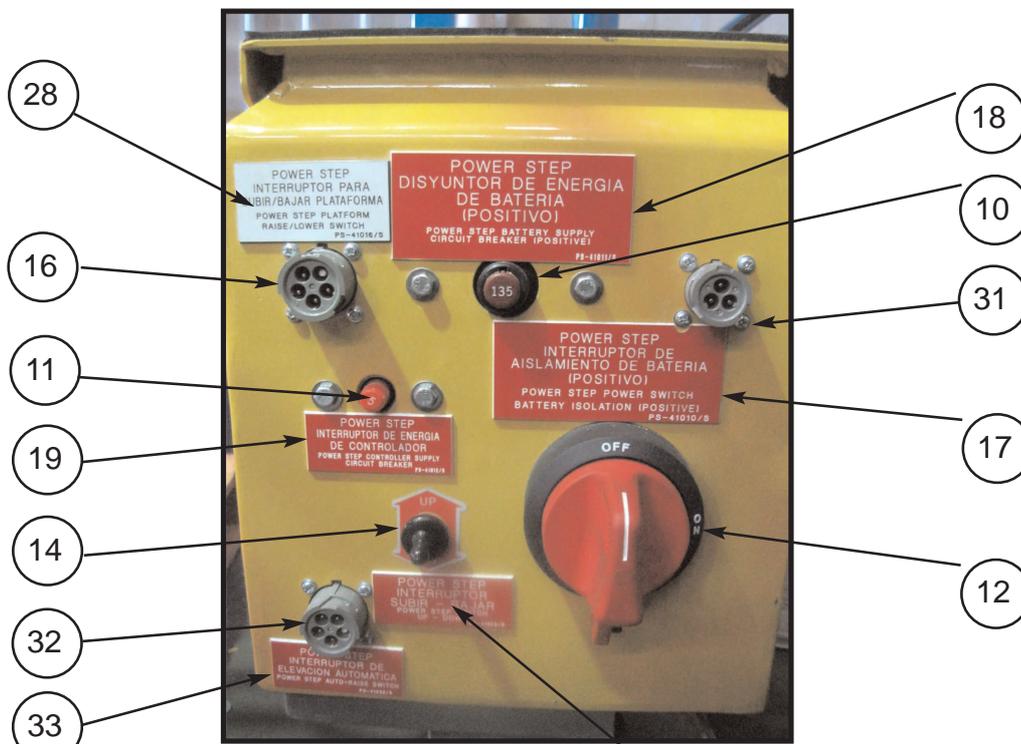
Section 5-7 Power Pack P/No. PS-80103A Sht.1



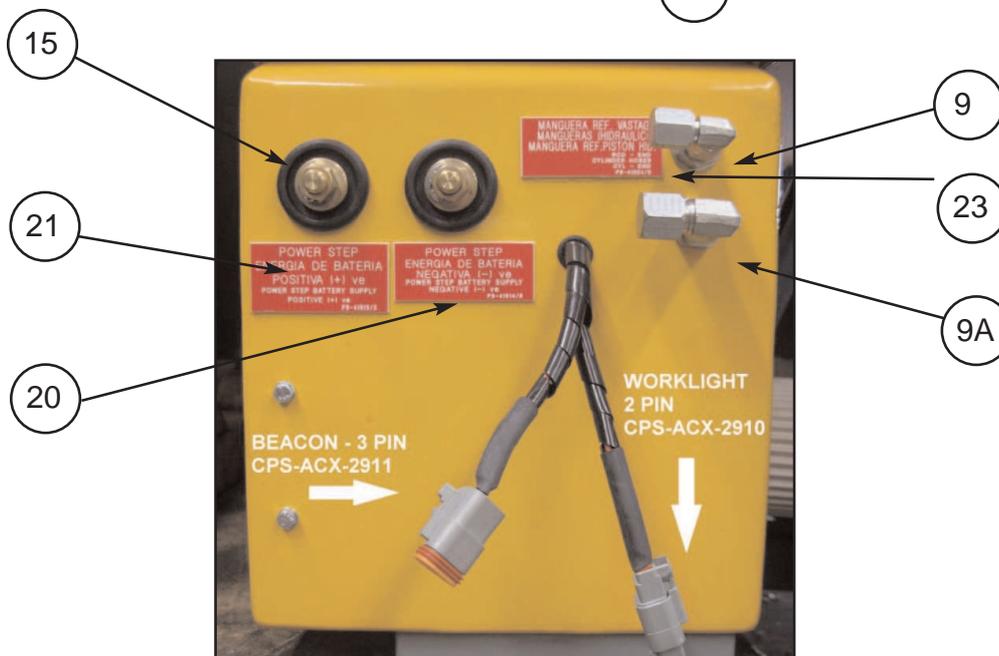
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Section 5-7 Power Pack P/No. PS-80103A Sht.2



View A



View B

NOTE.

THE RELIEF PRESSURE OF THE POWERPACK IS TO BE SET TO 2800Psi.
IF THE POWERPACK IS REPLACED, THIS RELIEF PRESSURE WILL NEED TO BE RESET USING INLINE GAUGES.
FAILURE TO DO SO MAY RESULT IN ACCIDENT OR INJURY

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16M Grader



Section 5-7 Power Pack P/No. PS-80103A

See Photos Pg. 27 & 28

Item	Part No.	Part Name	Qty		
1	PS-80103A-SLD	POWER PACK ASSEMBLY	1		
2	PS-21107-METAL	MOTOR ENCLOSURE- SEALED ST/ST	1		
3	PS-80103A	POWER PACK	1		
3A	PS-80103-CLAMP	CLAMP ELECTRIC MOTOR	1		
3B	PS-84201-100	HEAT SENSOR	1		
4	PS-82415	AUDIBLE ALARM	1		
5	PS-84214	BRIDGE RECTIFIER	1		
6	PS-82492	SOLENOID 24V START MOTOR	1		
7	PS-60051-900MM 9/16"	HYDR. HOSES 9/16" JIC STRAIGHT SWIVEL	1		
7A	PS-60050-900MM 7/16"	HYDR. HOSES 7/16" JIC STRAIGHT SWIVEL	1		
8	PS-61152	HYDRAULIC FITTING 9/16"	1		
8A	PS-61150	HYDRAULIC FITTING 7/16"	1		
9	PS-61177	HYDRAULIC FITTING 9/16"	1		
9A	PS-61176	HYDRAULIC FITTING 7/16"	1		
10	PS-84213	135A CIRCUIT BREAKER	1		
11	PS-84212	5A CIRCUIT BREAKER	1		
12	PS-84303	ISOLATION SWITCH	1		
13	PS-1712080	SEALED WIRING BOX	1		
14	PS-73012	TOGGLE SWITCH KIT	1		
15	PS-82493	BATTERY FEED STUDS	2		
16	PS-HD10-5-16P	5 PIN SOCKET	1		
17	PS-41010	DECAL-Battery Isolation	1		
18	PS-41011	DECAL-Battery Supply C/B-135A	1		
19	PS-41012	DECAL-Controller Supply C/B-10A	1		
20	PS-41013	DECAL-Battery Supply-Positive	1		
21	PS-41014	DECAL-Battery Supply-Negative	1		
22	PS-41023	DECAL-Up/Down	1		
23	PS-41024	DECAL HYDRAULIC-HOSES	1		
24	PS-41041	DECAL OIL TANK	1		
25	PS-41019	DECAL BRIDGE RECTIFIER	1		
26	PS-41017	DECAL SOLENOID	1		
27	PS-41018	DECAL ALARM	1		
28	PS-41016	DECAL RAISE/LOWER SWITCH	1		
29	PS-73010	RUBBER BOOT RED	6		
30	PS-73009	RUBBER BOOT BLACK	3		
31	PS-HD10-3-16P	3 PIN SOCKET (PARK BREAK)	1		
32	PS-HD10-5-16P	5 PIN SOCKET (AUTO-RAISE)	1		
33	PS-41032	DECAL AUTO-RAISE SOCKET	1		
34	PS-60051-2.8M	HYDRAULIC HOSE 9/16" x 2.8M	1		Not Shown
35	PS-60050-2.8M	HYDRAULIC HOSE 7/16" x 2.8M	1		Not Shown

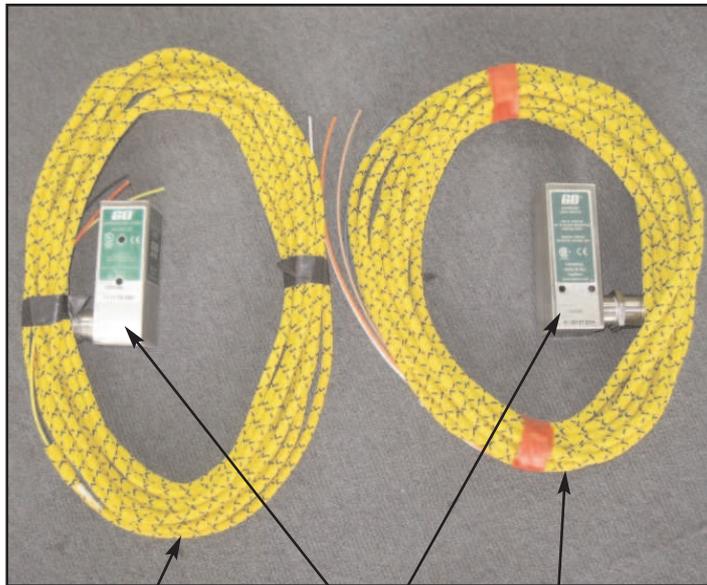
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Section 5-8 Electrical System

Control Pendant Switch Mounted on Handrail

Proximity Switch Assembly Mounted on Fixed Landing

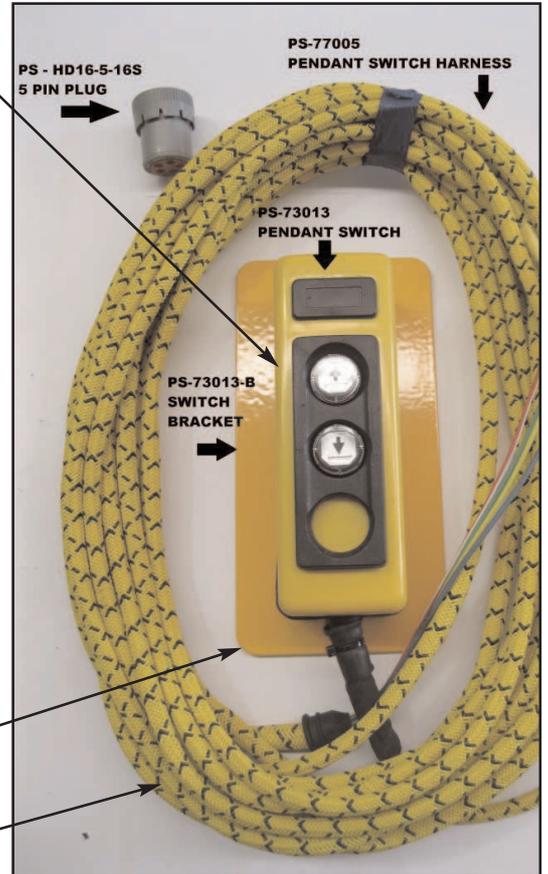


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6

4

1



2

3

Cab Harness & Equipment Refer Wiring Harness Drawings



6

7

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Section 2 Electrical System (Cont.)

Parts List

Item	Part No.	Part Name	Qty		
1	PS-73013	CONTROL PENDANT SWITCH	1		
2	PS-73013-B	CONTROL PENDANT BRACKET	1		
3	PS-77005	HAND RAIL SWITCH HARNESS	1		
4	PS-77009AR	AUTO RAISE HARNESS	1		Optional only
5	PS-77004	CABIN TO SWITCH HARNESS	1		
6	PS-75430	PROXIMITY SWITCH	2		1 x Optional
7	PS-77002	CABIN BOX LED LIGHT INDICATOR	1		
8	PS-77003	WIRING HARNESS IN CABIN	1		

WARNING

**LOW OR FAULTY BATTERIES WILL VOID
WARRANTY ON THE POWER PACK AND ALL
ELECTRICAL SWITCHES AND COMPONENTS**