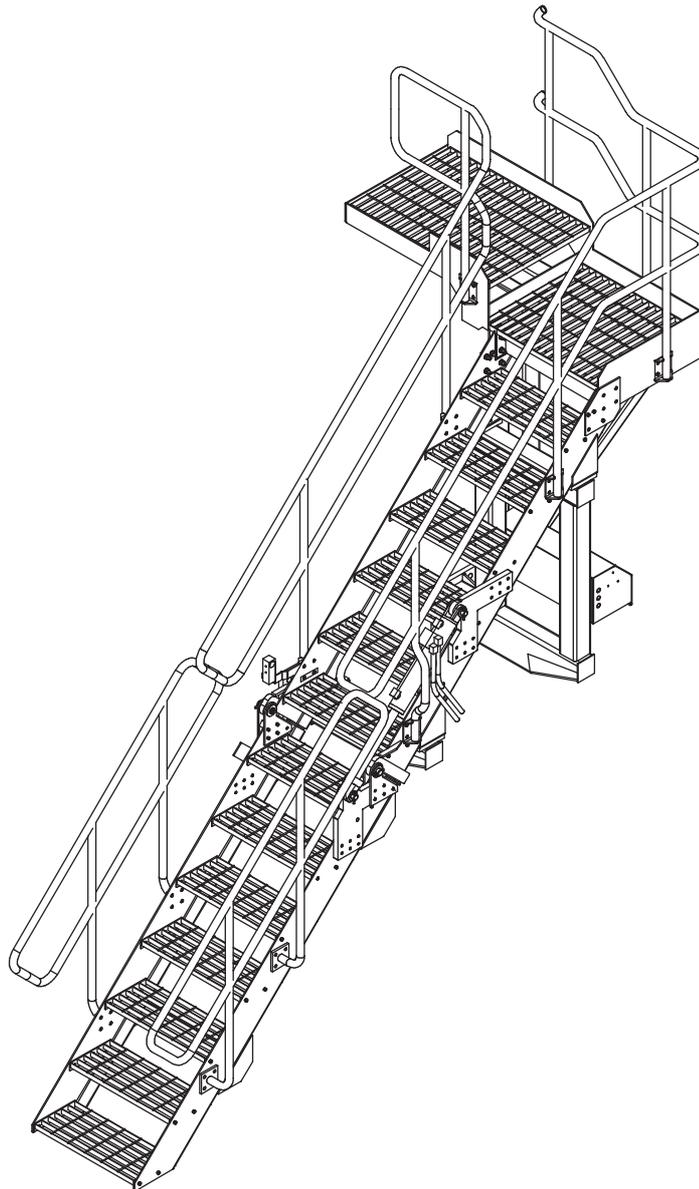




FOLDING RETRACTABLE STAIRWAY

Manual for Cat 785C Haul Truck



Model No. PSA785C-ASSY
Serial No. CAT785C-001- ~
Date Manufactured: May 2007



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Caterpillar 785C Haul Truck



Section 1. Mounting and Installation Dwgs. 22720 & 22722

NOTE

Follow all on-site/Mine lifting and safety procedures when installing PSFS to Truck.

PROCEDURE

1. Ensure on-site safety procedures are adhered to at all times during installation.
2. Remove existing ladders on cab side of truck, top rigid ladder and lower flexible ladder.

Refer drawing 22720 (Pg 5):

3. Locate and weld bolting pads 22.703-01 and 22.702 02 and Gussets and Side Mounting pads on front bumper as per **View 1A-C View 2** and **Details A and B**. Check that the locations of the Front Bolting Pads comply with the height dimensions (to cabin deck) in **View 1B**.
4. Cut notch in front trim panel, per **View 1B** and **Detail C**. If cutting this notch requires cutting the frame of the trim panel, leave this task until later.

Refer drawing 22722 (Pg6):

5. Fit Stair assembled per Drg 22 721 to Mountings fitted to truck per Drg 22 720.
6. Fit the landing support Y-Post 22 704 per **View 2B** (and others). Note that the flanges under the landings, to which the Y-Post flanges bolt, are not fully welded to the landing. Weld the flanges to the beam under the landing if everything lines up etc. Cut the flanges off and re-locate them, then weld them - if necessary. 6 fillet weld across the SHS beam, none along the beam where obscured.
7. Weld Y-Cleat 22 703 04 to the folded angle to which the radiator cowl attaches, at the notch cut in the trim sheeting per Drg 22 720. Insert the Y-Cleat in so it clears the heavy inclined post member of the truck chassis by 15 or 20 mm. Apply 4 runs of 6 fillet weld x 50 lg approx to secure Y-Cleat to truck. Fit Brace 22 704 07 if it fits or make another to suit from Blank 22 704 08. All per **View 3**.
8. Fit Buffer Socket & Mounting 22 242 in suitable position to receive Buffer when Stair is raised. Pad 22 242 01 welds to truck bumper behind hinged stair. First bolt Socket Bracket 22 242 99 to Pad 22 242 01 with bolts in slots so Bracket is as high as possible relative to Pad. Fit & weld to bumper so Socket sits on Buffer. Adjust so stair is tight in raised position, not swinging with truck movement. Per **View 5**.

FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 1. Mounting and Installation Cont. Dwg 22722

PROCEDURE Cont. - See Drawing Page 6

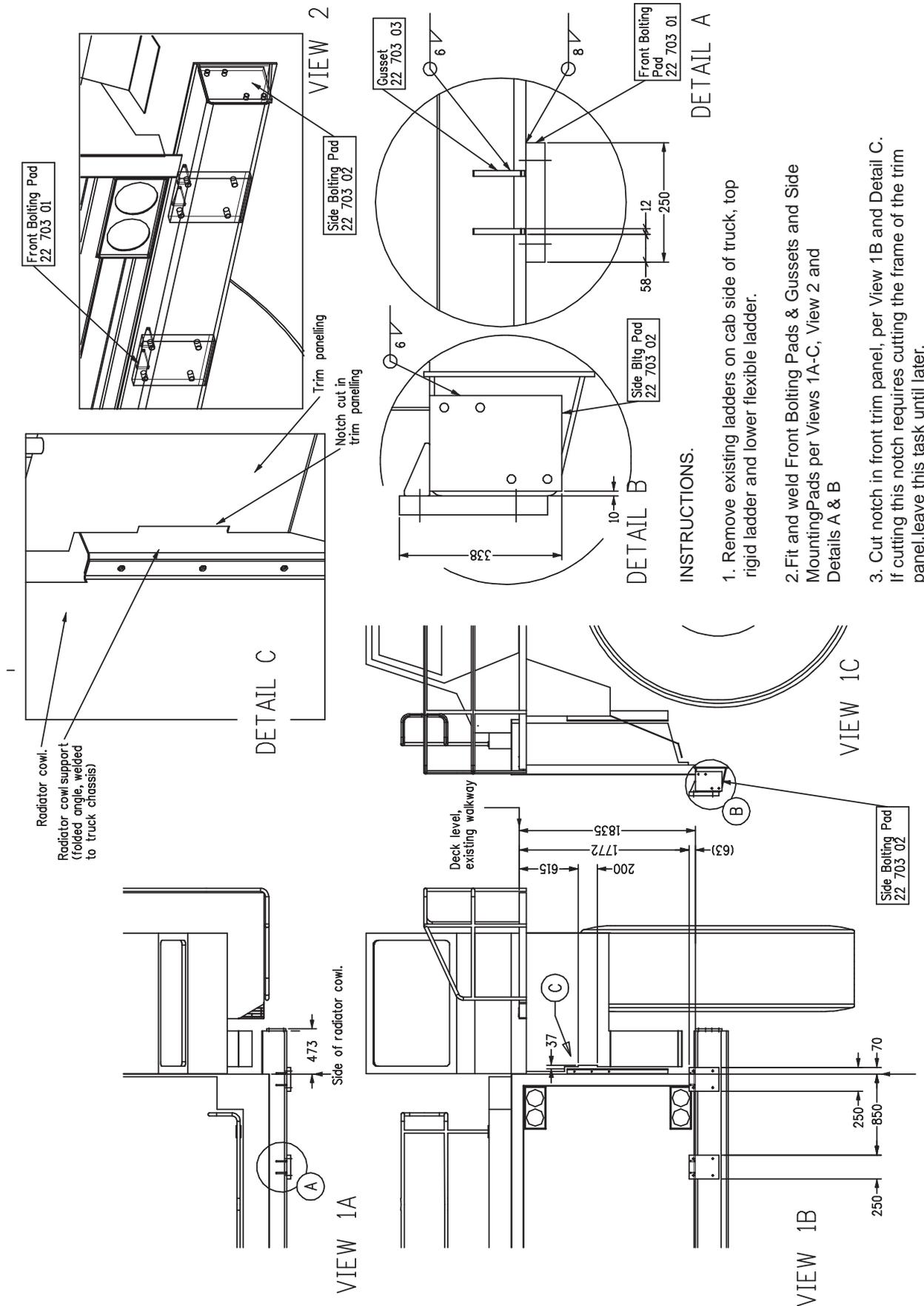
9. Fit Handrails.
10. Fit Hydraulic System and Electrics.(See also Section 4)
11. Per View 4, fit Mudguard Support 22 719 to replace support for mudguard/trim panel which was provided by ladder before it was removed (in front or behind panel, to suit). Weld bolting pad to cowl.
12. Per View 7, extend top handrail where it approaches cabin walkway handrail. Do not join landing/stair handrail to cabin walkway handrail - leave a gap of 25mm approx.
13. Using cabin Landing corner trim components (22-714) altered/trimmed to suit, square the originally angled corner of the cabin walkway.
14. Fit Buffer Socket & Mounting 22242 in suitable position to receive Buffer when Stair is raised. Pad 22242-01 welds to truck bumper behind hinged stair. First bolt Socket Bracket 22242-99 to Pad22242-01 with bolts in slots so Bracket is as high as possible relative to Pad. Fit and weld to bumper so Socket sits on Buffer. Adjust so stair is tight in raised position, not swinging with truck movement.

FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 1 Mounting and Installation Mounting Pads 22720



INSTRUCTIONS.

1. Remove existing ladders on cab side of truck, top rigid ladder and lower flexible ladder.
2. Fit and weld Front Bolting Pads & Gussets and Side Mounting Pads per Views 1A-C, View 2 and Details A & B
3. Cut notch in front trim panel, per View 1B and Detail C. If cutting this notch requires cutting the frame of the trim panel, leave this task until later.

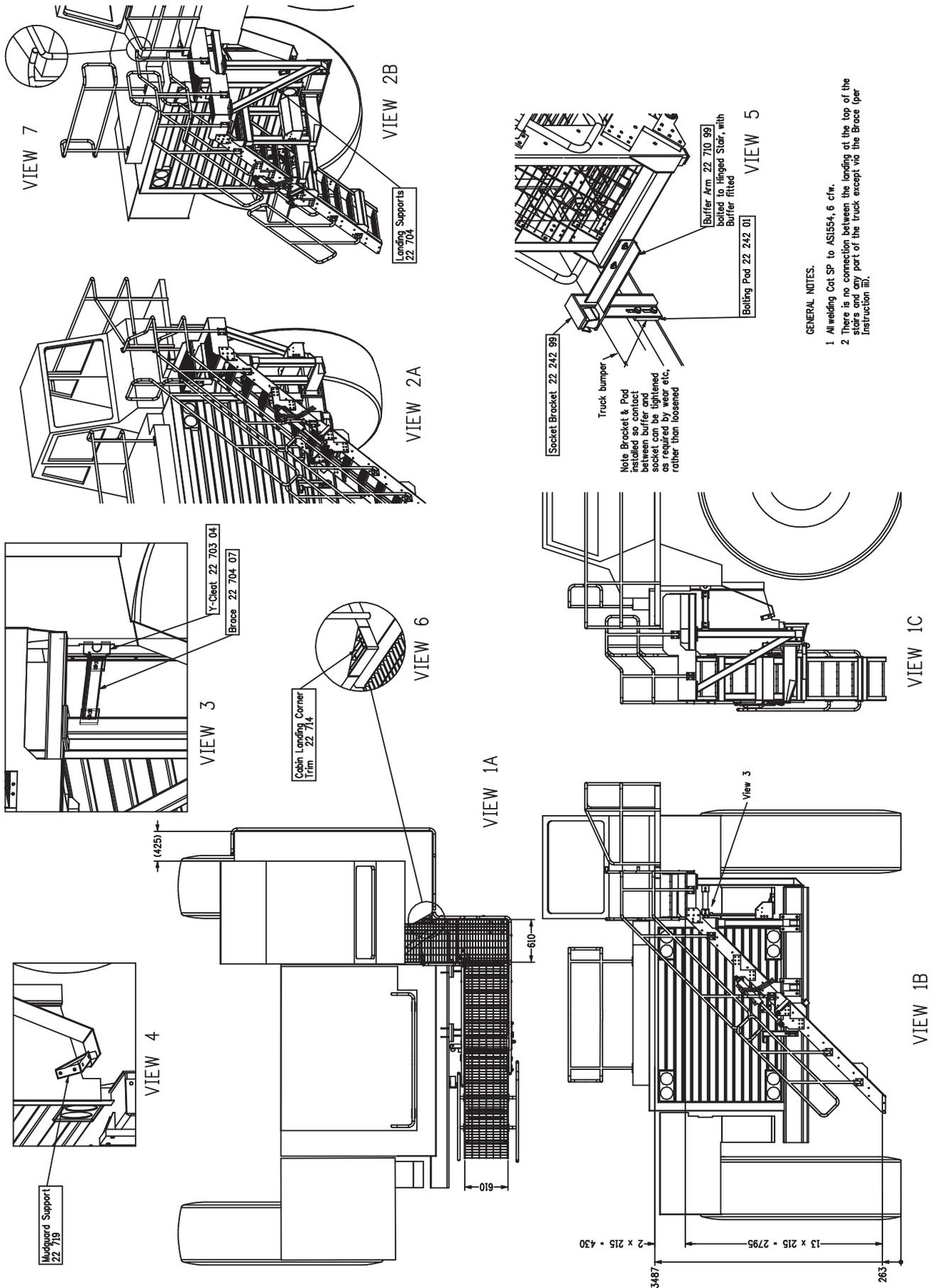
FOLDING STAIRWAY

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Section 1 Mounting and Installation

Fitting Stairs 22722



- GENERAL NOTES:
- 1 All welding Cat SP to ASIS54, 6 cfw.
 - 2 There is no connection between the landing at the top of the stairs and any part of the truck except via the Brace (per instruction m).

FOLDING STAIRWAY

Caterpillar 785C Haul Truck



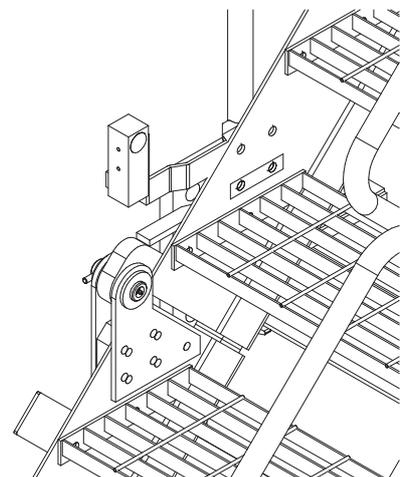
Section 1 Mounting and Installation Hydraulic Lines & Cylinder Hinge & Actuator Cylinder Assembly

NOTE

Follow all on-site/Mine lifting and safety procedures when installing PSFS to Truck.

Notes See Drawing Pg 8 (Fitment Hinge and Actuator Assembly)

1. The stair hinge is not to be loaded by extending cylinder force, that is the cylinder must be able to extend to it's full extention length without being restrained by the assembly. If this is not so when the stair is assembled, loosen the various hinge assembly bolts and actuator attachment plate bolts and extend the cylinder under load, allowing everything to re-set. If the cylinder is still loaded alter boltholes etc to allow appropriate re-positioning.
2. Fully tighten hinge assembly bolts and actuator attachment plate bolts as friction-grip bolts.
3. Use hardened flat washers under the heads and nuts of all bolts
4. Bolts all installed with heads facing inwards and nuts facing outwards except for the stair tread bolts.
5. Run Hydraulic Hoses to motor enclosure using clamps supplied
6. Note: The Cylinder and Power Pack have been connected in the workshop and test cycled prior to delivery.



Go- Switch Mounting position

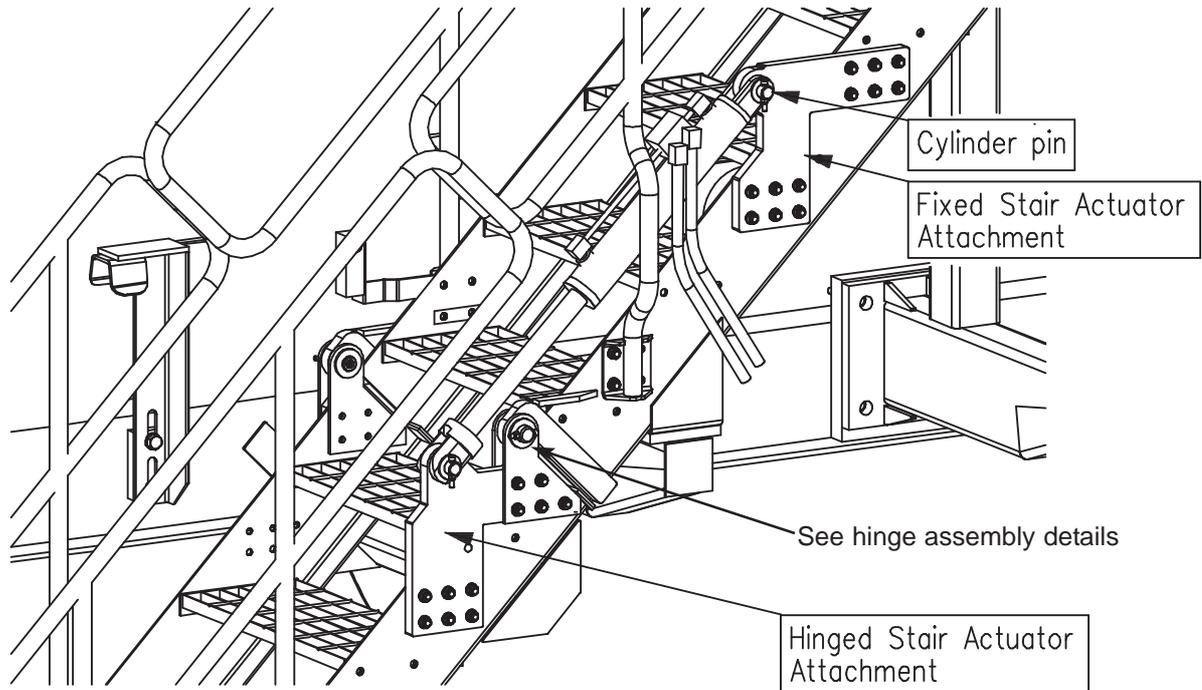
FOLDING STAIRWAY

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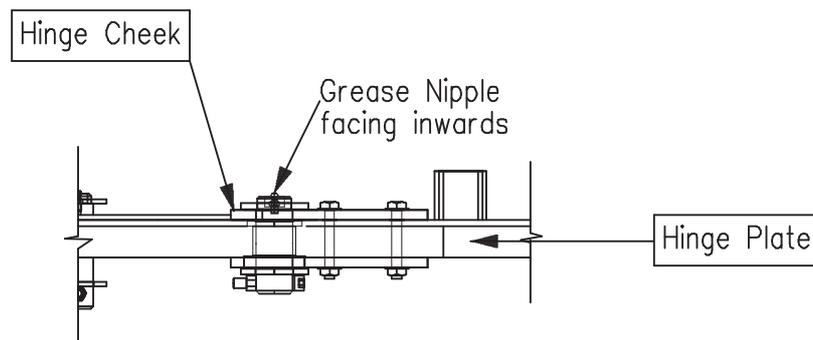
Section 1 Mounting and Installation

Hinge and Actuator Cylinder Assembly



Bolts all installed with heads facing inwards and nuts facing outwards except for stair treads

CYLINDER HINGE AND ACTUATOR ASSEMBLY



HINGE ASSEMBLY DETAILS

FOLDING STAIRWAY

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Section 2 Electrical Installation

Remove centre console panel in cabin -
- to do this remove six (6) screws and gear selection knob.

Position stairway indicator panel on centre console, above hour meter.
- drill two mounting screw holes (6mm or 7/32")
- one electrical cable hole (12mm or 15/32")
- do not re-fix console Panel

Remove four (4) screws holding Caterpillar fuse panel behind operator's seat. Drill one hole to insert Caterpillar fuse holder - fit fuse holder, into fuse indicator panel - tighten. Drill size (12mm or 15/32").

Remove rear access panel from back of cabin and run short conduit through the main cable gland to inside centre console, ensuring conduit goes underneath control box.

Connect blue wire start from conduit above to blue wire of cabin indicator panel harness.

In rear access, connect black wire, with 10mm eye terminal to machine ground, and blue wire to outer terminal of newly inserted fuse holder.

Install short blue wire to screw terminal of Caterpillar circuit breaker, and other end to fuse holder.

Run wiring harness from Power Step Folding Stairway magnetic proximity switch around under radiator, and follow cabling/hose routing up to air line/ electrical outlet on rear Right Hand Side of cabin.

On unit 1 to 14, it will be necessary to install into this wiring harness the Deutsch connections and bulkhead fitting, supplied separately to stairways.

Drill hole in RH Cabin access panel - route wiring harness in through access panel, and through to under centre console - connect wires appropriately as colour coded. Hole saw/ drill size (24mm), cable tie harness as appropriate, approximately every 300mm.

SEE WIRING PAGES 26 to 29

FOLDING STAIRWAY

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Section 3 Operating Procedure

To Lower Stairway (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.

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 truck is parked on uneven ground, the bottom of the stairway may touch the ground before the ladder is in the fully lowered position.

Should this occur, descend the ladder with caution.

To Raise Stairway

Ascend the ladder onto the landing of the truck.

Ensure the area around the ladder is clear of people and 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 STAIRWAY

Caterpillar 785C Haul Truck

Section 4 Recommended Maintenance Procedure

Daily

Visually check stairway and structure for damage, loose components, handrails, etc.

Check for hydraulic oil leaks from hydraulic cylinders, plumbing and hoses.

Notify the appropriate supervisor for any observed damage or malfunction.

500 Hours

Regrease all pins and rotating parts.

Check main mounting bolts for torque.

Check hydraulic oil level in power pack and top up as necessary. (Stairway in raised position).

Top up using same hydraulic oil as used in hydraulics of machine.
Thoroughly check all electrical wiring for damage, replace as necessary.

Repeat daily check as above

5000 Hours

Change hydraulic oil in tank of hydraulic power pack (5.0 litres)

It is recommended that the same hydraulic oil be used in the power pack as the hydraulics of the machine.

Regrease all pins and rotating parts.

Check and inspect all main bolts on stairway system.
Retorque if required.

Repeat daily check as above

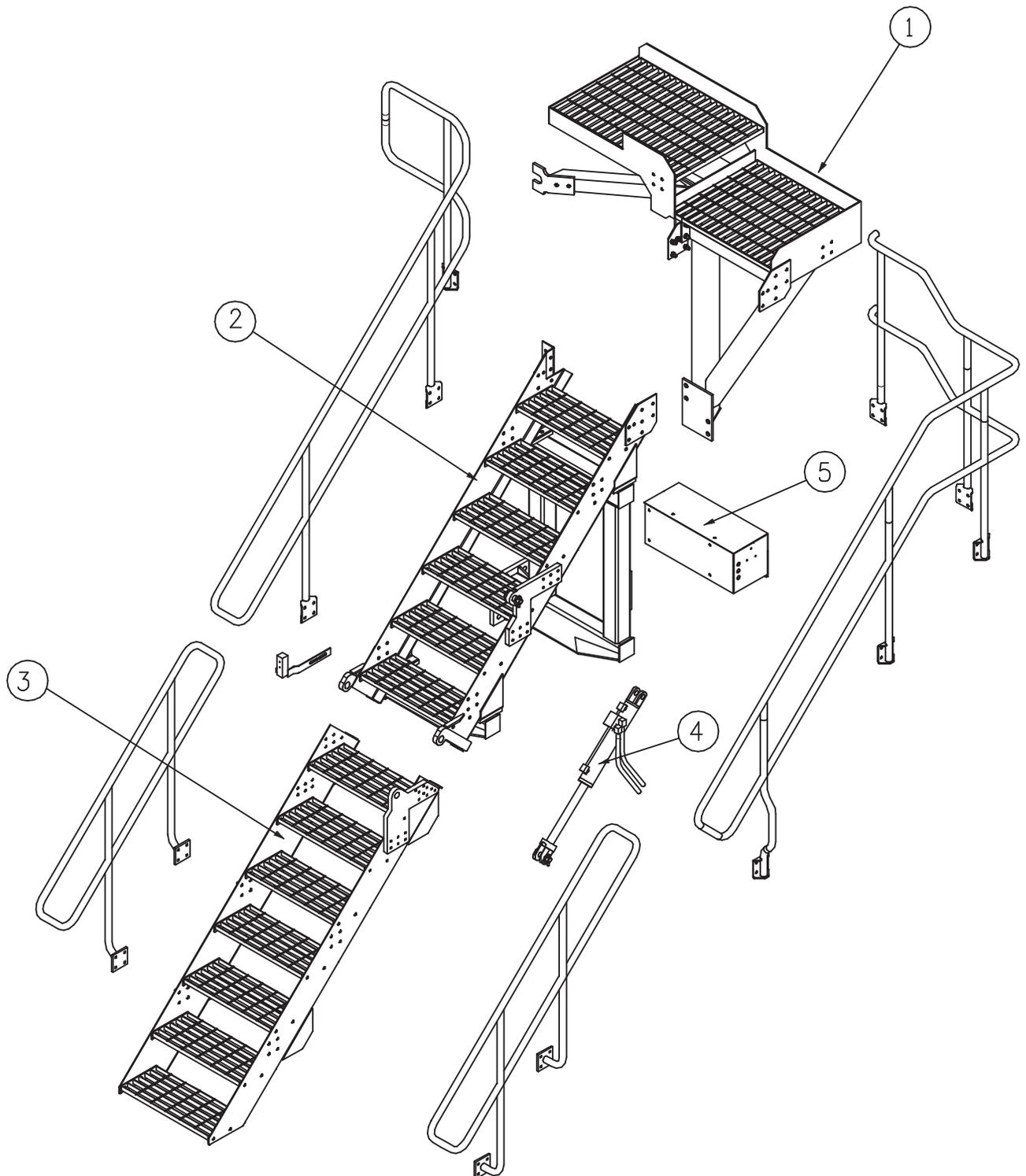
FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5 Assembly Complete

PSA-785C-ASSEMBLY



FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5 Assembly Complete

See Drawing Page 12

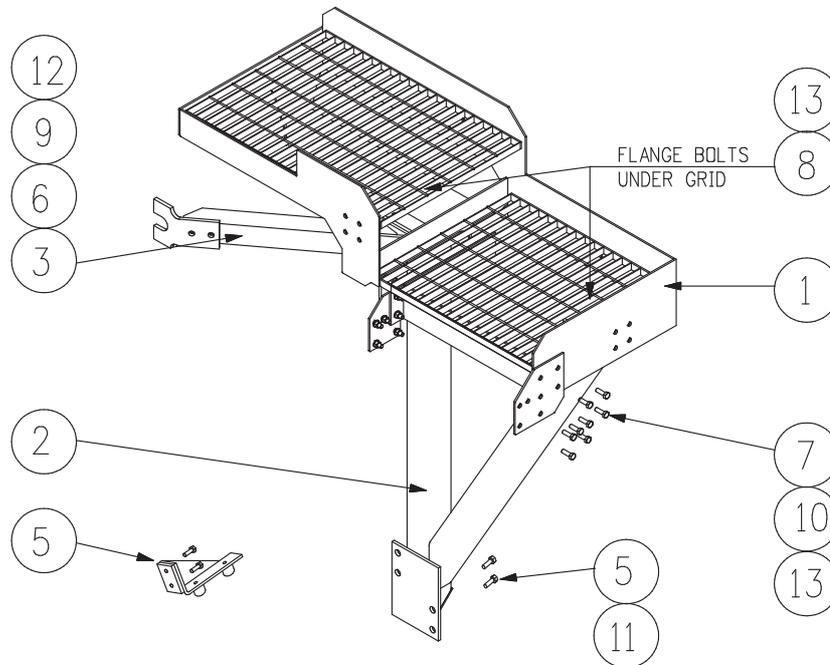
Item	Part No.	Part Name	Qty		
1	PS-22707-A	LANDING ASSEMBLY	1		
2	PS-22713-A	FIXED STAIR ASSEMBLY (INC.HANDRAILS) REFER TO 6.4 FOR DETAILS	1		
3	PS-22709-A	BOTTOM STAIR FABRICATION REFER TO 6.5 FOR DETAILS	1		
4	PS-62999-AH	HYDRAULIC CYLINDER REFER TO 6.8 FOR DETAILS	1		
5	PS-80103-SLD	POWER PACK REFER TO 6.9 FOR DETAILS	1		

FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5-1 Landing Assembly PS-22707-A



Parts List

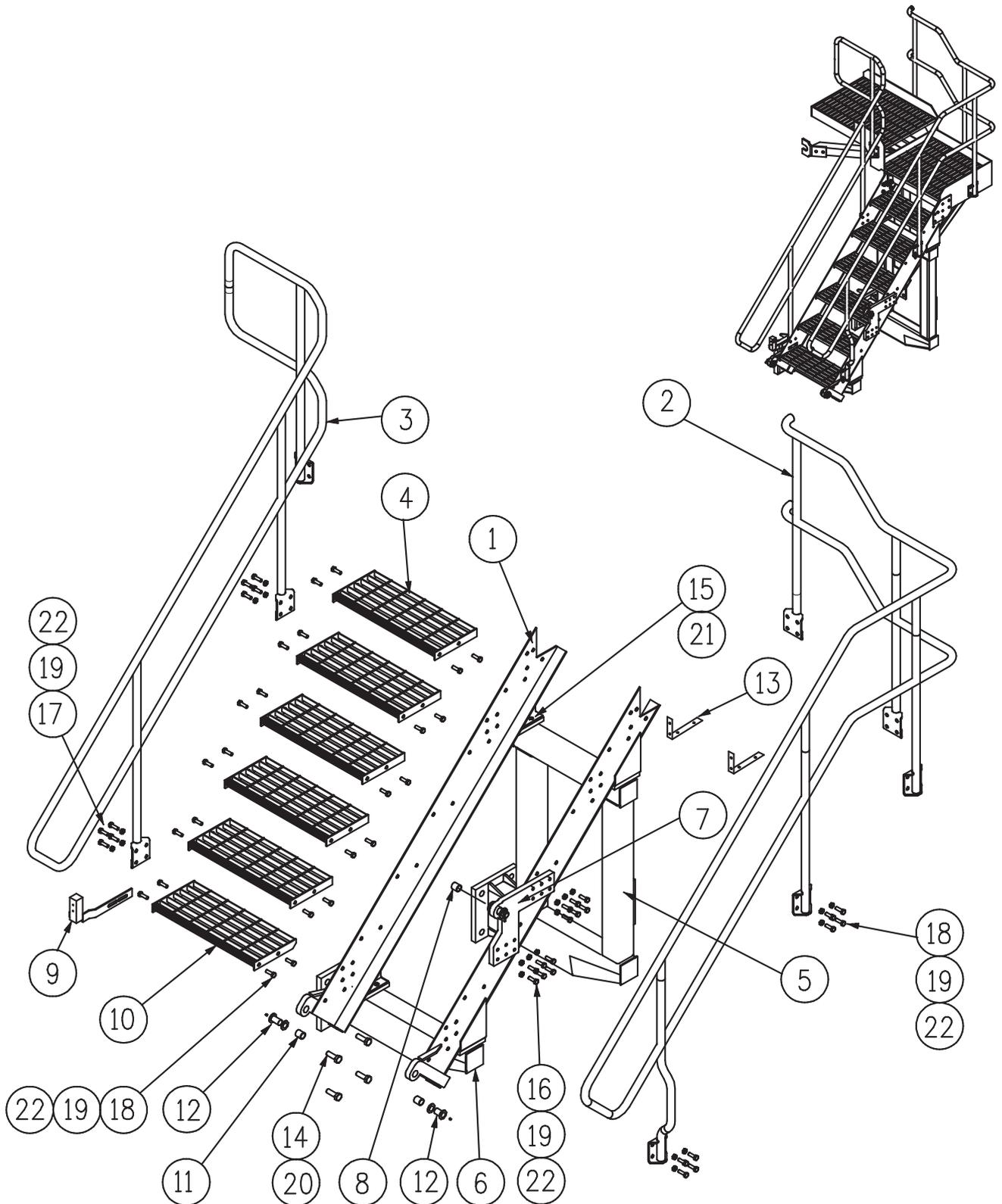
Item	Part No.	Part Name	Qty		
1	PS-22707	LANDING ASSEMBLY	1		
2	PS-22704	LANDING SUPPORTS	1		
3	PS-22704-07	BRACE	1		
4	PS-22719	MUDGUARD SUPPORT (Incl Plates Bolts Buffers)	1		
5	PS-M20X30ZP	BOLT-M20 x 30	4		
6	CPS-M16X50ZP	BOLT-M16 x 50	4		
7	CPS-M12X30ZP	BOLT-M12 x 30	16		
8	CPS-M12X25ZP	BOLT-M12 x 25	8		
9	CPS-M16ZP	NUT-M16	4		
10	CPS-M12ZP	NUT-M12	24		
11	PS-M20WH	WASHER-HARDENED-M20	4		
12	CPS-M16WH	WASHER-HARDENED-M16	8		
13	CPS-M12WH	WASHER-HARDENED-M12	40		

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Caterpillar 785C Haul Truck



Section 5-2 Fixed Stair Assembly PS-22713-A



FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5-2 Fixed Stair Assembly PS-22-713-A

Parts List

See Drawing Page. 15

Item	Part No.	Part Name	Qty		
1	PS-22712	STAIR STILE SET	1		
2	PS-22715	OUTER FIXED HANDRAIL	1		
3	PS-22716	INNER FIXED HANDRAIL	1		
4	PS-22266	STAIR TREADS	6		
5	PS-22701-99	LEFT SIDE MOUNTING	1		
6	PS-22701-98	RIGHT SIDE MOUNTING	1		
7	PS-22233-05	FIXED STAIR ACTUATOR ATTACHMENT	1		
8	PS-63009-B	CYL-MOUNTING-BUSH - 1 1/4"ODx1"ID x 28	1		
9	PS-22238	GO SWITCH MOUNTING	1		
10	PS-32266-SAN	NON-SLIP NOSING	6		
11	PS-22246-05	HINGE BUSH	2		
12	PS-22246	HINGE PIN (Incl. Washer, Nipple & Bolts)	2		
13	PS-23452-07	MOTOR ENCLOSURE BRACKET	2		
14	PS-M24X60ZP	BOLT-M24 x 60	8		
15	CPS-M16X25ZP	BOLT-M16 x 25	8		
16	CPS-M12X50ZP	BOLT-M12 x 50	12		
17	CPS-M12X35ZP	BOLT-M12 x 35	4		
18	CPS-M12X30ZP	BOLT-M12 x 30	52		
19	CPS-M12NZP	NUT-M12	68		
20	PS-M24WH	WASHER-HARDENED-M24	8		
21	CPS-M16WH	WASHER-HARDENED-M16	8		
22	CPS-M12WH	WASHER-HARDENED-M12	136		

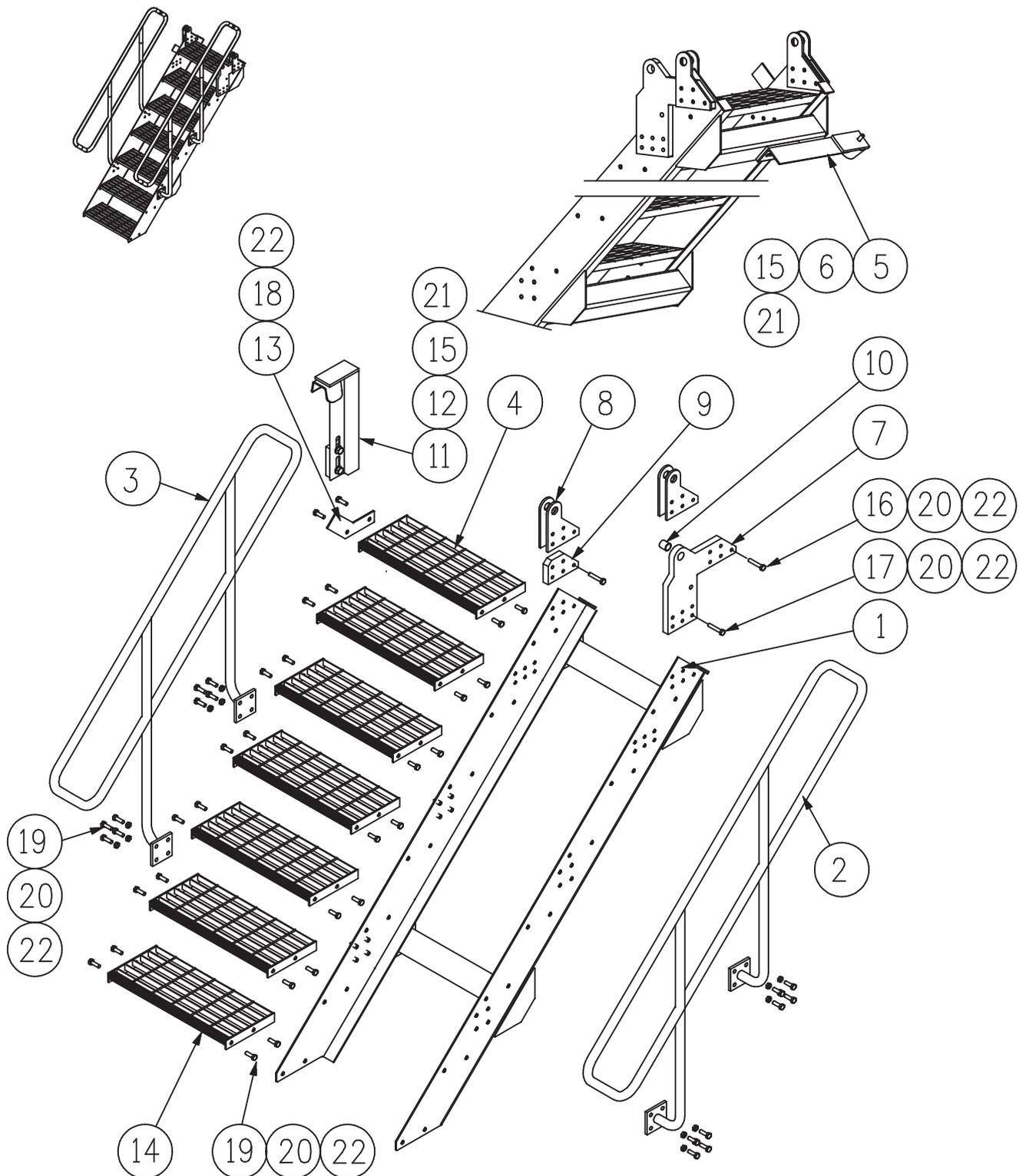
FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5-3 Bottom Stair Assembly PS-22709-A

See Parts List Page. 18



FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5-3 Bottom Stair Assembly PS-22709-A

Parts List

See Drawing Page 17

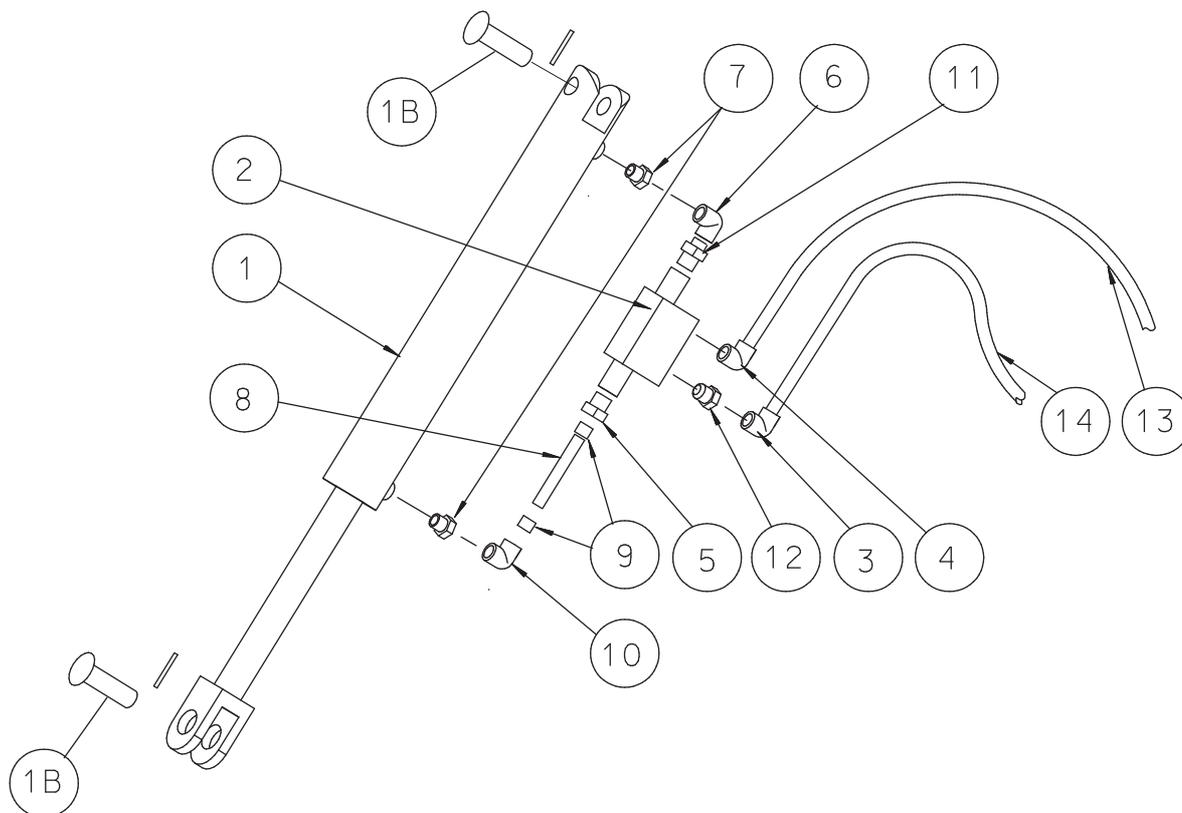
Item	Part No.	Part Name	Qty		
1	PS-22709	STILE ASSEMBLY	1		
2	PS-22717-02	HANDRAIL-OUTER	1		
3	PS-22717-01	HANDRAIL-INNER	1		
4	PS-22266	STAIR TREADS	7		
5	PS22710	BUFFER ARM	1		
6	PS-40001	RUBBER STOP	1		
7	PS-22233-04	HINGED STAIRS ACTUATOR ATTACHMENT	1		
8	PS-22233-02	HINGE CHEEK PLATE	4		
9	PS-22233-03	HINGE PLATE SPACER	1		
10	PS-63009-B	CYL-MOUNTING-BUSH - 1 1/4"ODx1"ID x 28	1		
11	PS-22242-99	SOCKET BRACKET	1		
12	PS-22242-01	BOLTING PAD	1		
13	PS-22233-01	STRIKER PLATE	1		
14	PS-32266-SAN	NON SLIP NOSING	7		
15	CPS-M16X25ZP	BOLT-M16 x 25	4		
16	CPS-M12X65ZP	BOLT-M12 x 65	10		
17	CPS-M12X50ZP	BOLT-M12 x 50	6		
18	CPS-M12X30ZP	BOLT-M12 x 35	2		
19	CPS-M12X30ZP	BOLT-M12 x 30	44		
20	CPS-M12NZP	NUT-M12	60		
21	CPS-M16WH	WASHER-HARDENED M16	4		
22	CPS-M12WH	WASHER-HARDENED M12	120		

FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5-4 Hydraulic Cylinder P/No. PS- 62999-AH



NOTE: HYDRAULIC CYLINDER ASSEMBLY P/No PS- 62999-AH includes Part No.s 1 to 14

Item	Part No.	Part Name	Qty		
1	PS-62999-A	HYDRAULIC CYL.	1		
	PS-62999-HPK	HARD PLUMBING KIT	1		
1B	PS-22248	PIN-CYLINDER (Incl. Bolts,Washer& Nipples)	2		
1S	PS-63103	SEAL KIT (Not shown)	1		
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-61158-1MM	FITTING - 1 mm RESTRICTION 90 DEG	1		CYL. END
7	PS61163	REDUCER JIC x BSPP	2		
8	PS-61160	TUBE	1		
9	PS-61147	FERRULES	2		
10	PS-61158-1MM	FITTING - 1mm RESTRICTION 90 DEG	1		ROD END
11	PS-61145	FITTING- 9/6" JIC SWIVEL	1		
12	PS-61153	FITTING-HYDR.-STRAIGHT	1		
13	PS-60051-2.8	HOSE- HYDR. (9/6" JIC SWIVEL FITTING)	1		
14	PS-60050-2.8	HOSE 7/16" (SWIVEL FITTINGS)	1		

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Caterpillar 785C Haul Truck

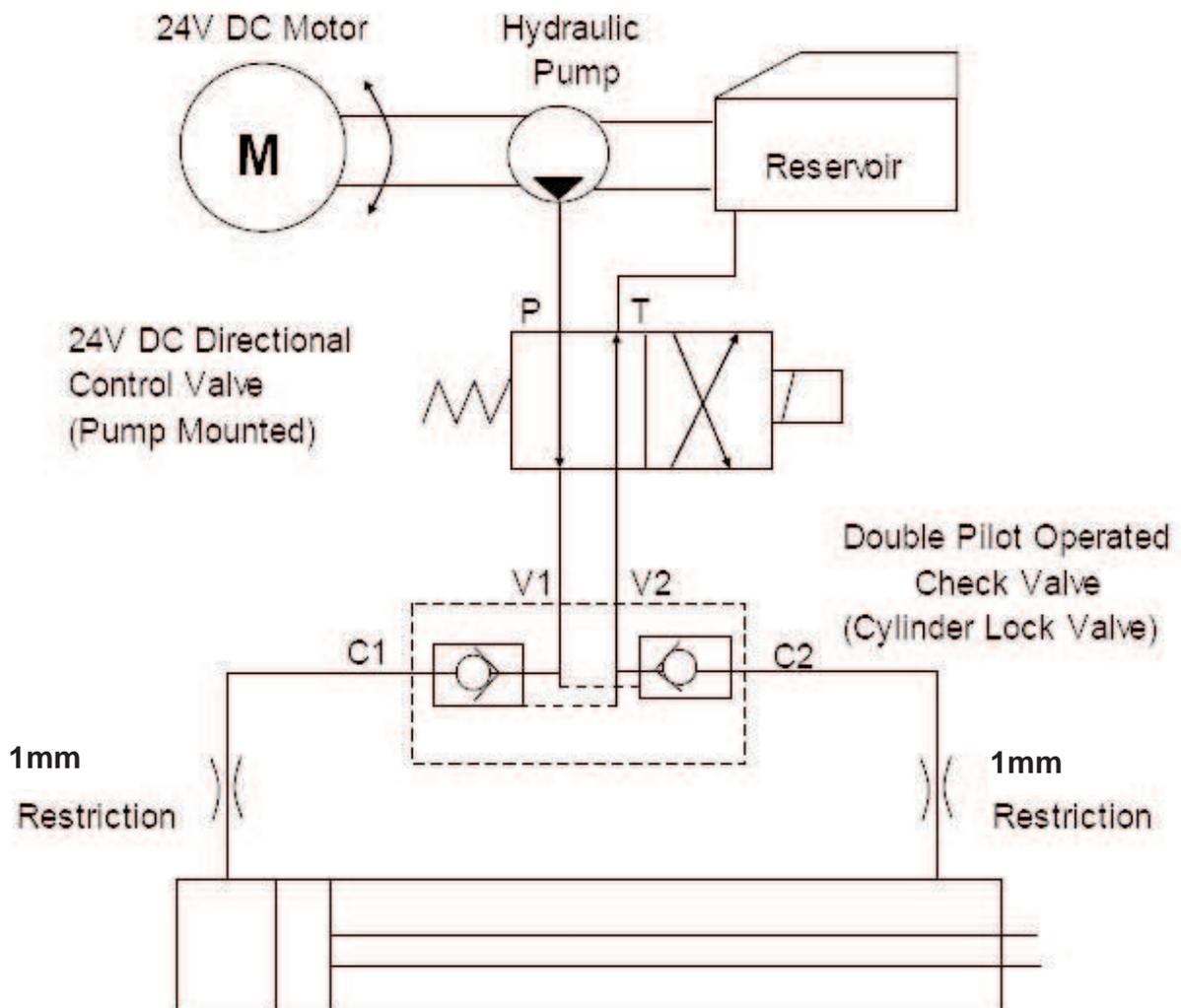


Section 5-4 Hydraulic Cylinder Assembly (Valve Diagram)

P/No. PS-62999-AH

See also Drawing Page 19

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

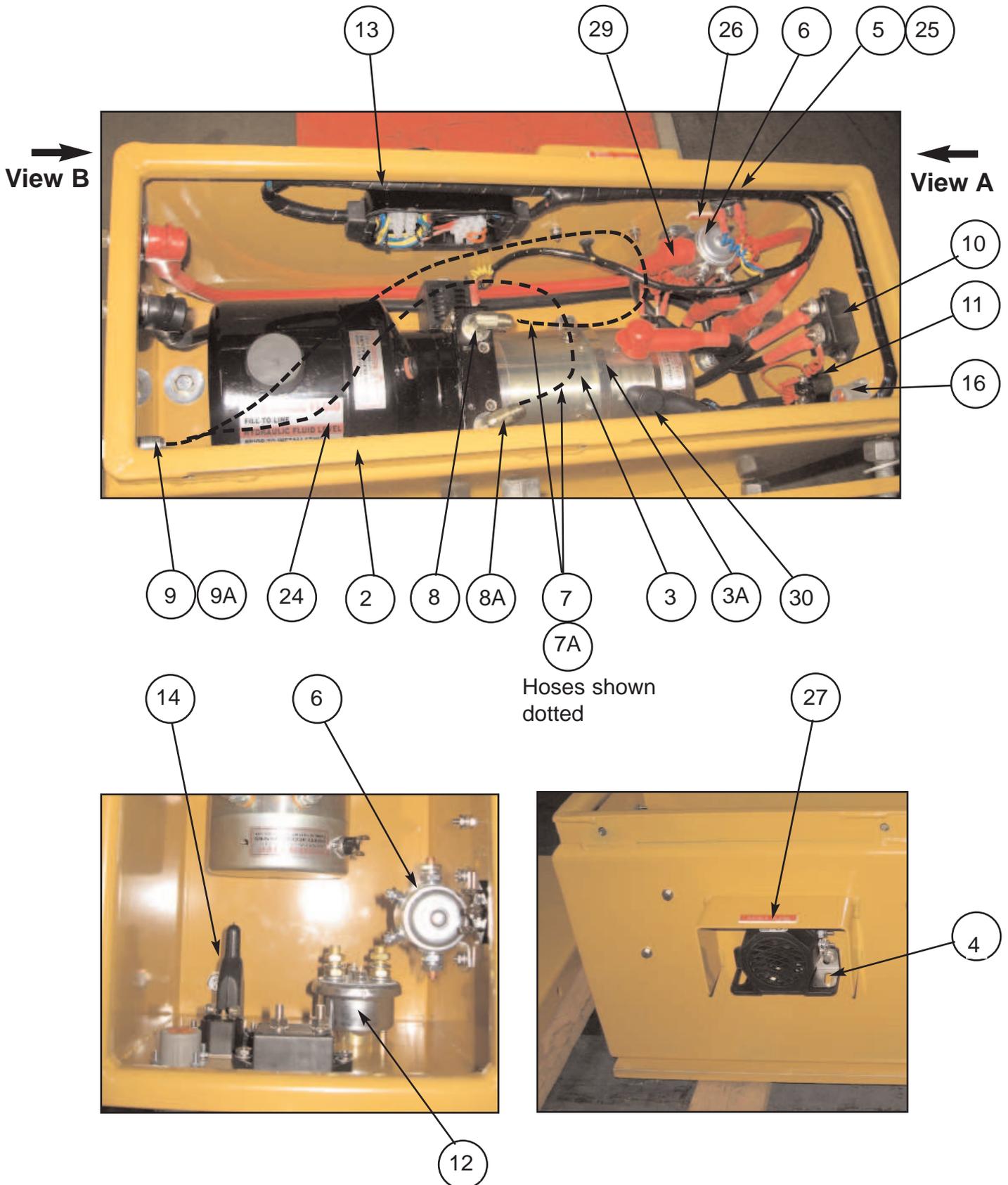


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Caterpillar 785C Haul Truck



Section 5-5 Power Pack PS-80103A-SS
 See Parts List Page 23



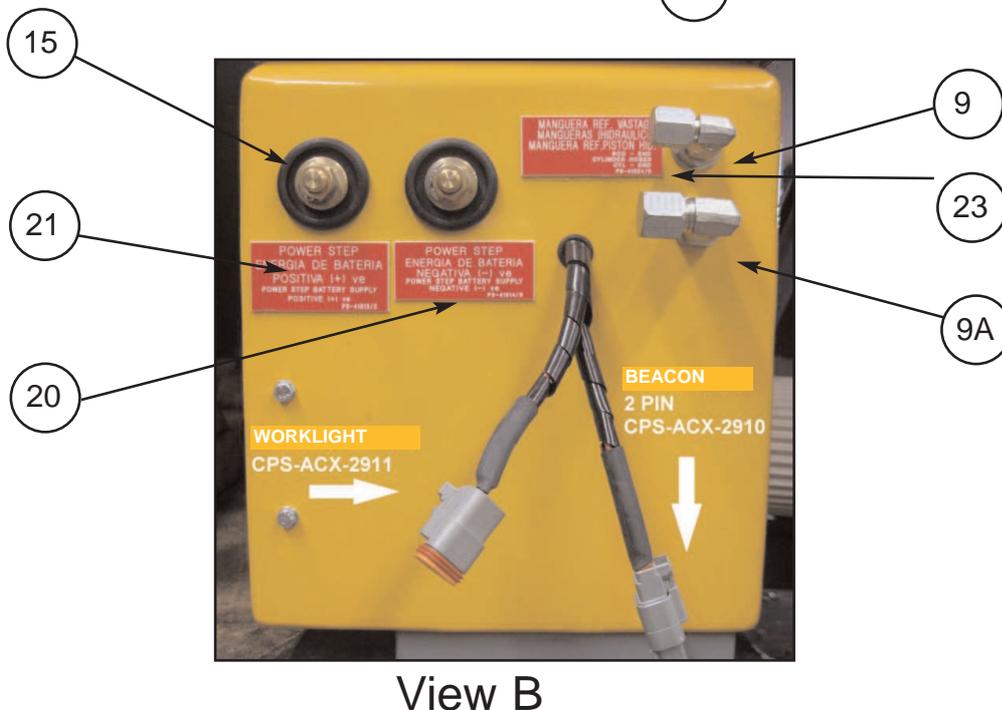
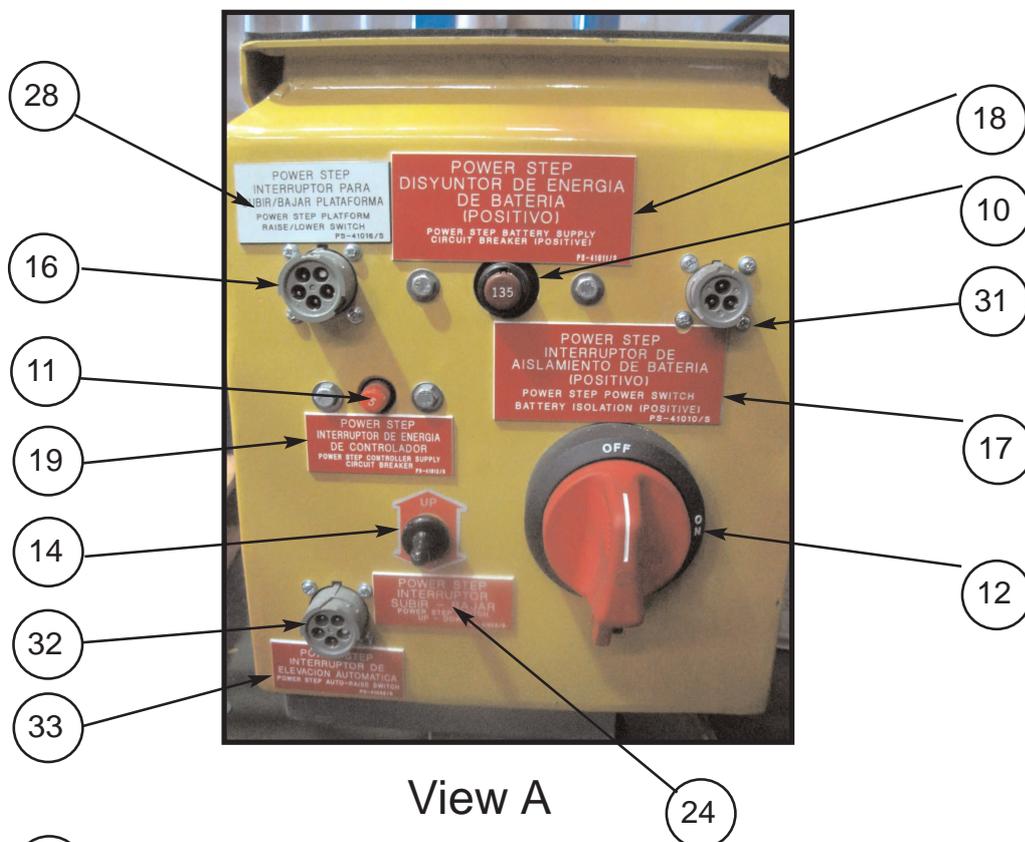
FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5-5 Power Pack PS-80103A-SLD

See Parts List Page 23



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

FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5-5 Power Pack PS-80103A-SLD

See Photos Page 21 & 22

Item	Part No.	Part Name	Qty		
1	PS-80103A-SLD	POWER PACK ASSEMBLY	1		
2	PS-21107-METAL	MOTOR ENCLOSURE- SEALED	1		
3	PS-80103A	POWER PACK	1		
3A	PS-80103-CLAMP	CLAMP ELECTRIC MOTOR	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- (INCLUDING BRACKET)	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-5A	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	4		
30	PS-73009	RUBBER BOOT BLACK	2		
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-63202A	FLOW CONTROL VALVE	1		Not shown

FOLDING STAIRWAY

Caterpillar 785C Haul Truck

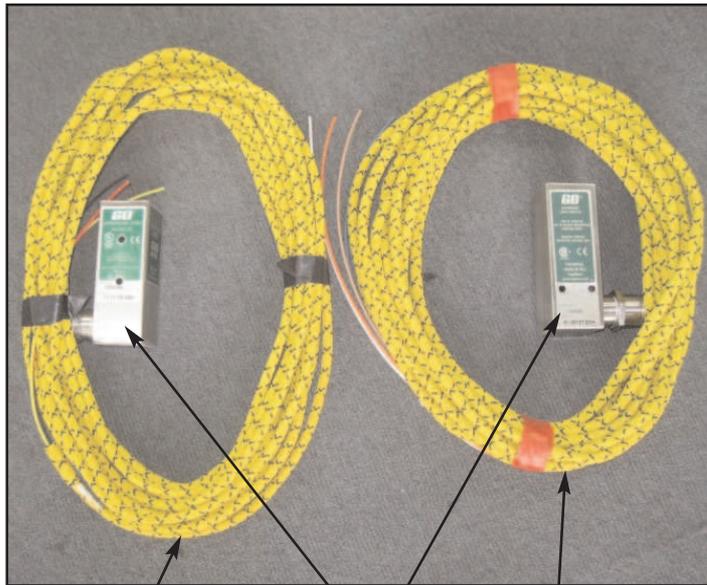


Section 5-6 Electrical Controls

See Parts List Page 25

Proximity Switch Assembly

Mounted on Fixed Landing



5

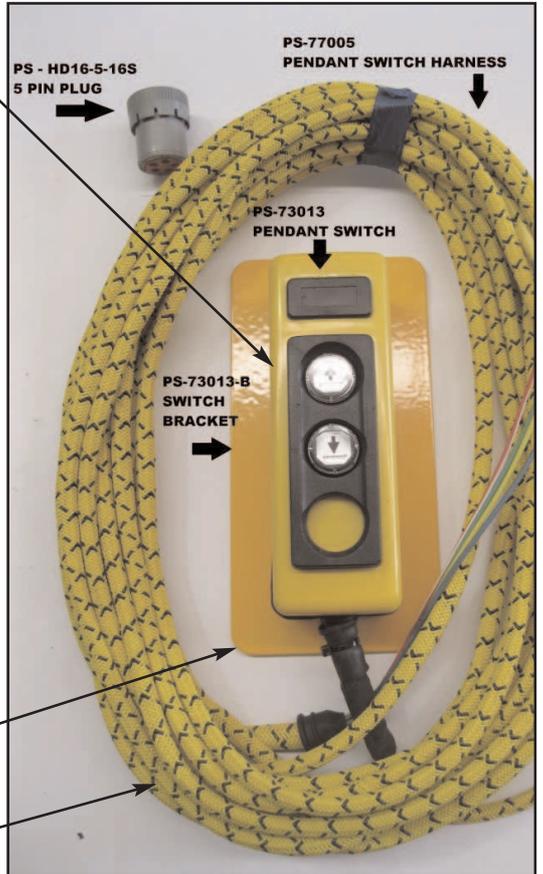
6

4

Control Pendant Switch

Mounted on Handrail

1



2

3

Cab Harness & Equipment

Refer Wiring Harness Drawings



6

7

FOLDING STAIRWAY

Caterpillar 785C Haul Truck



Section 5-6 Electrical Controls

See Photos Page 24

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**

FOLDING STAIRWAY

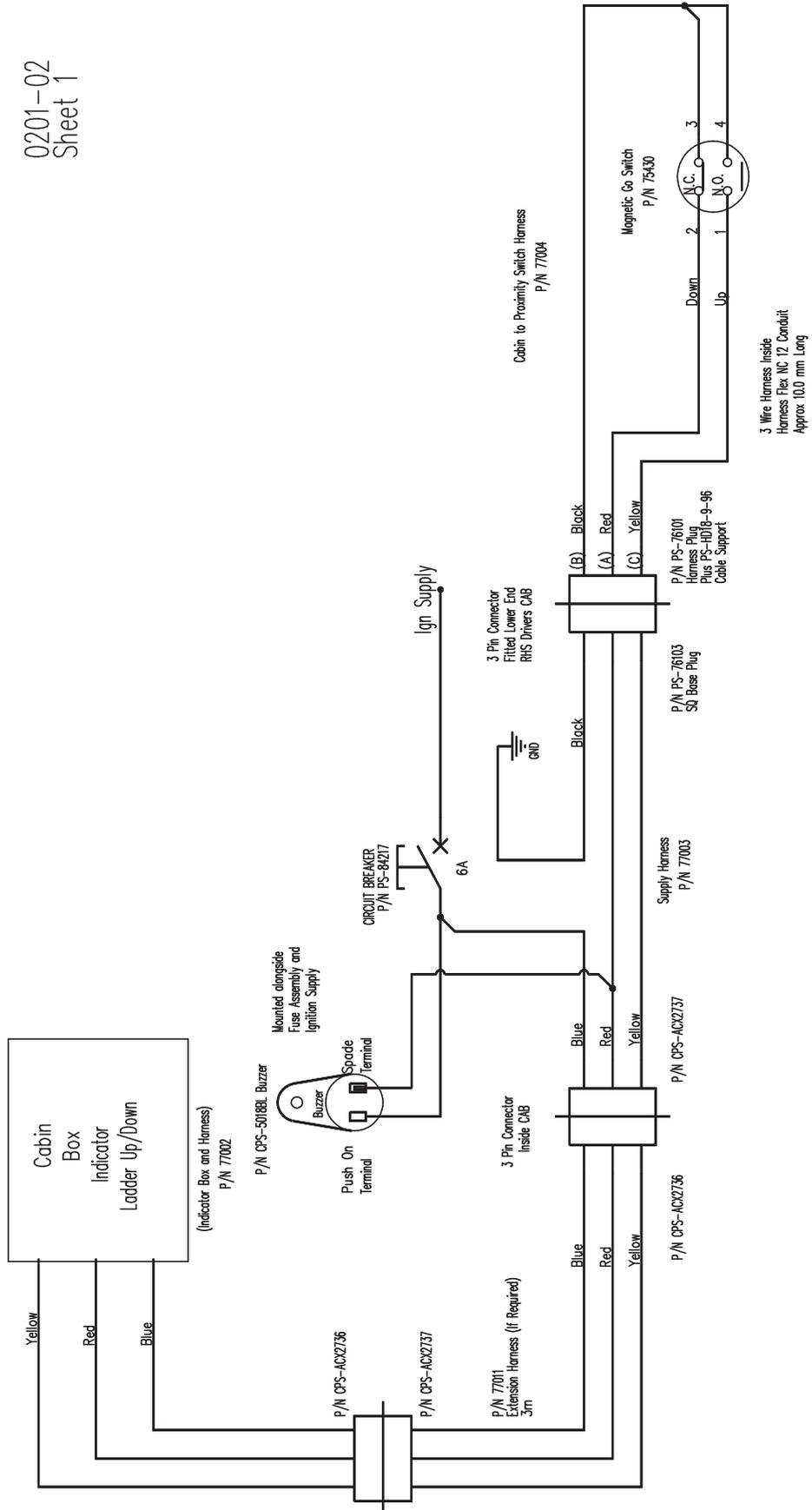
Caterpillar 785C Haul Truck



Section 5-6 Electrical System - Wiring 1

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Sheet 1

LADDER UP/DOWN



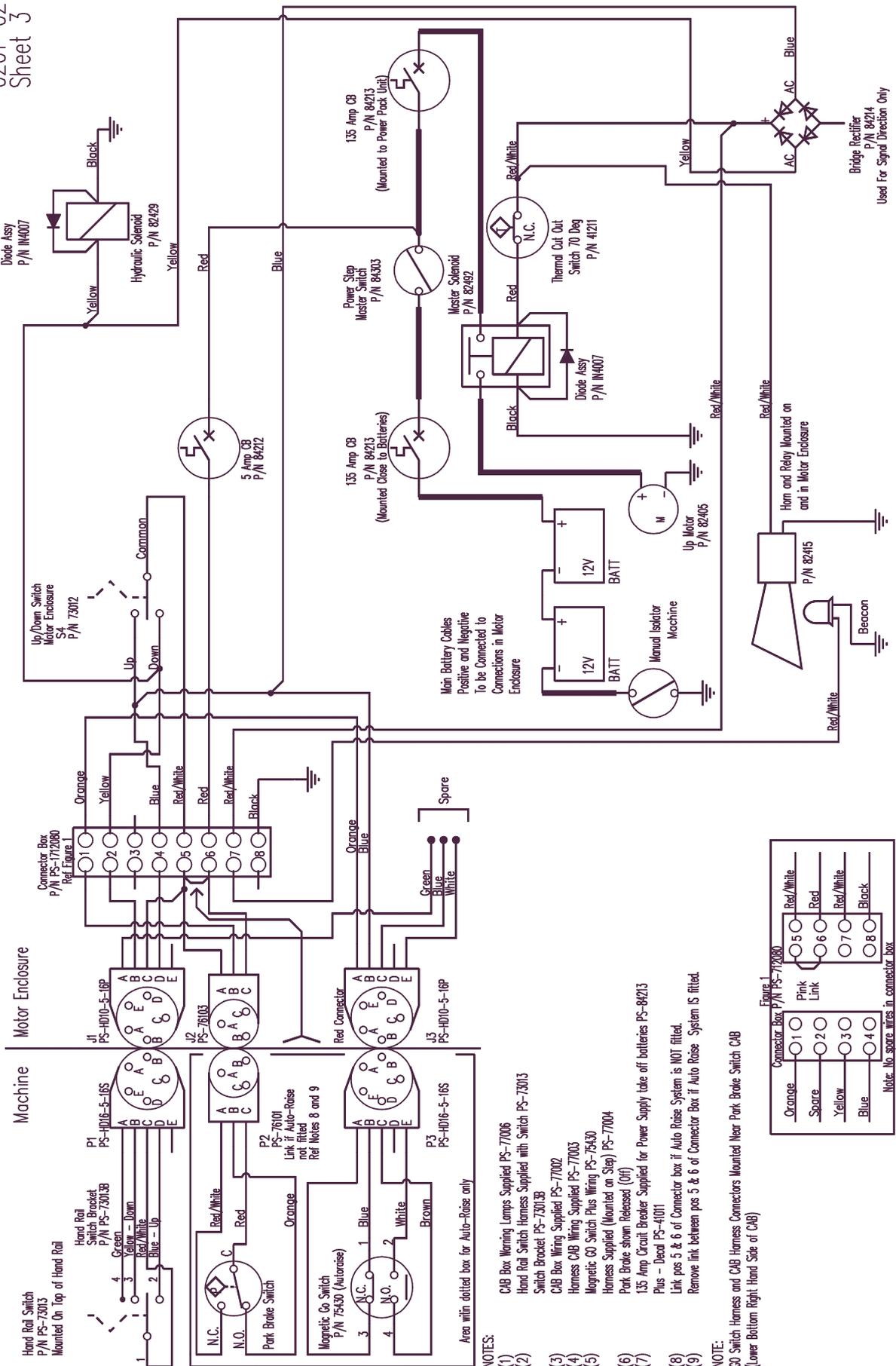
FOLDING STAIRWAY

Caterpillar 785C Haul Truck

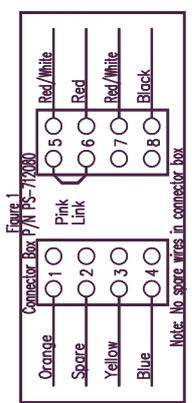


Section 5-6 Electrical System - Wiring 2

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Sheet 3



- NOTE:
- (1) CAB Box Warning Lamps Supplied PS-77006
 - (2) Hand Rail Switch Harness Supplied with Switch PS-73013
 - (3) Switch Bracket PS-73013B
 - (4) CAB Box Wiring Supplied PS-77002
 - (5) Harness CAB Wiring Supplied PS-77003
 - (6) Magnetic GO Switch Plus Wiring PS-75430
 - (7) Harness Supplied (Mounted on Step) PS-77004
 - (8) Park Brake shown Released (Off)
 - (9) 135 Amp Circuit Breaker Supplied for Power Supply take off batteries PS-84213
- Plus - Dead PS-4011
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.



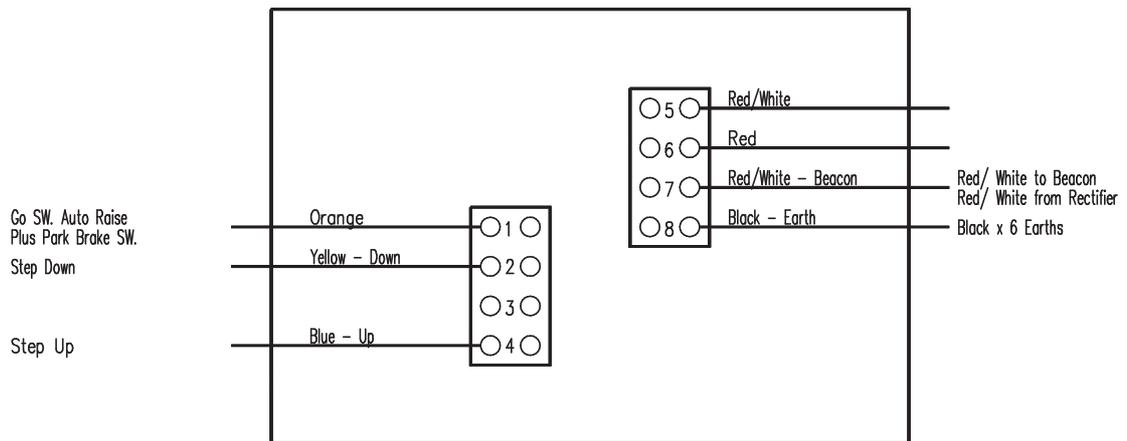
FOLDING STAIRWAY

Caterpillar 785C Haul Truck

Section 5-6 Electrical System - Wiring 3

Wiring Harness

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Sheet 5



PARK BRAKE HARNESS- P/No 77006-PB

Plug Term	Colour		Terminal ID.	
(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

Plug Term	Colour		Terminal ID.	
(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)

Plug Term	Colour		Terminal ID.	
(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)

Plug Term	Colour		SW Contacts		Switch Terminal No.	
(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 STAIRWAY

Caterpillar 785C Haul Truck



Section 5-6 Electrical System - Wiring 4

Wiring Harness

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Sheet 6

Go Switch

Auto - Raise Connection

N.C.	-	Orange	-	Blue
N.O.	-	Brown	-	White (Spare)

Go Switch - Cabin Indicator

Up/Down Lights Connection

N.C.	-	Red	-	Black	 Linked
N.O.	-	Yellow	-	Black	

Hand Control Switch - Mounted on Hand Rails (P/No 73013)

Power Step Wiring Harness (10m) and Connections Supplied

Contacts

1	-	Red/White	-	Power Supply
2	-	Blue	-	Up Switch
3	-	Yellow	-	Down Switch
4	-	Green	-	Start Sol Motor [FRS Power Pack only (Spare)]

Pendant Switch

Standard Switch Wiring and Connections

