

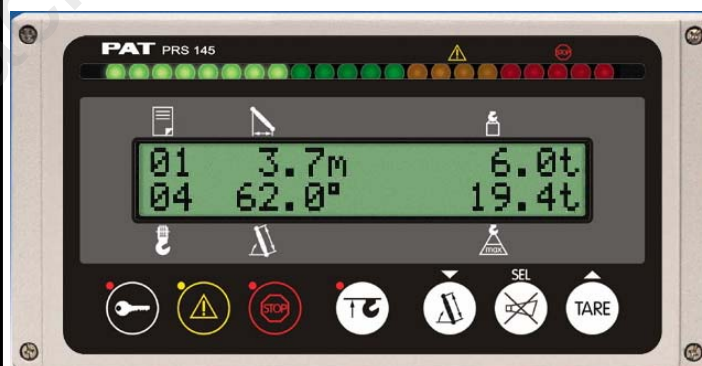


HIRSCHMANN

PAT

LOAD MOMENT INDICATOR SYSTEM

PRS145



SERVICE MANUAL

P/N 031-300-190-162 REV A 09/15/2003

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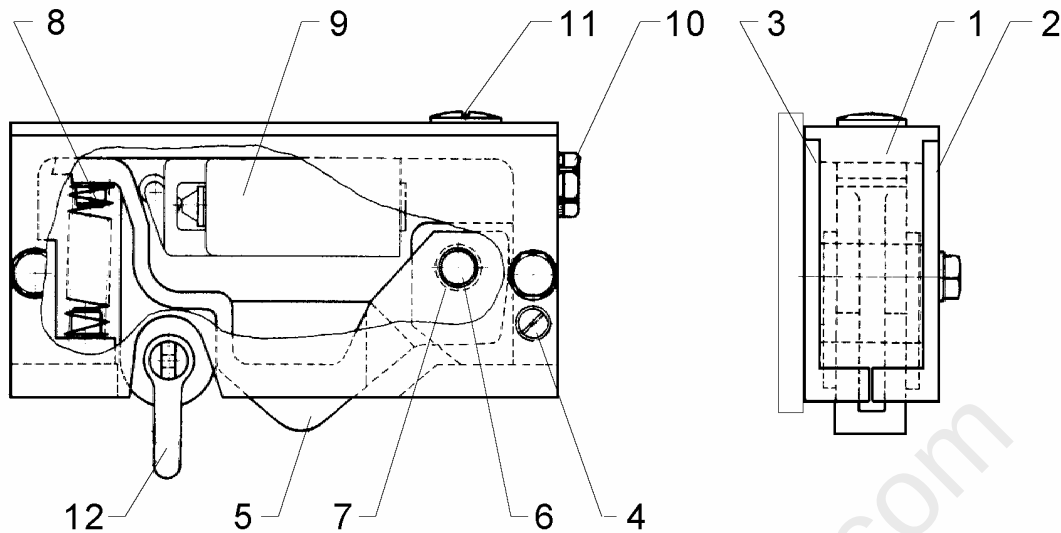
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MANUAL REVISIONS

REV	DATE	NAME	DESCRIPTION
-	07/25/02	SB	Created service manual, ECN 02-205
A	09/15/03	SB	Add Console/Central Unit Connections, ECN 03-115

5.10 ANTI-TWO BLOCK SWITCH

1-0024849.00 Spare parts List



ITEM	DESCRIPTION	QTY	PART NUMBER
1	Center Housing	1	1-0112531.00
2	Cover - Left	1	1-0010045.00
3	Cover – Right	1	1-0010044.00
4	Slotted Flat Head Screw - M5 x 8	2	1-0013391.00
5	Lever	1	1-0010041.00
6	Straight Pin	1	1-0010042.00
7	Bushing	1	1-0010104.00
8	Spring	1	1-0100326.00
9	Micro Switch	1	1-0010039.00
10	Cable Connector	1	1-0010037.00
11	Blind Plug	1	1-0010038.00
12	Shackle with Cotter Pin	1	1-0009999.00

Required for Mounting - Order Separately

DESCRIPTION	QTY	PART NUMBER
Weld Plate	1	1-0010046.00
Hex Head Cap screw - M8 x 50	2	1-0010083.00
Lock Washer - M8	2	1-0010097.00

6.3 PISTON & ROD PRESSURE CHANNEL ADJUSTMENT

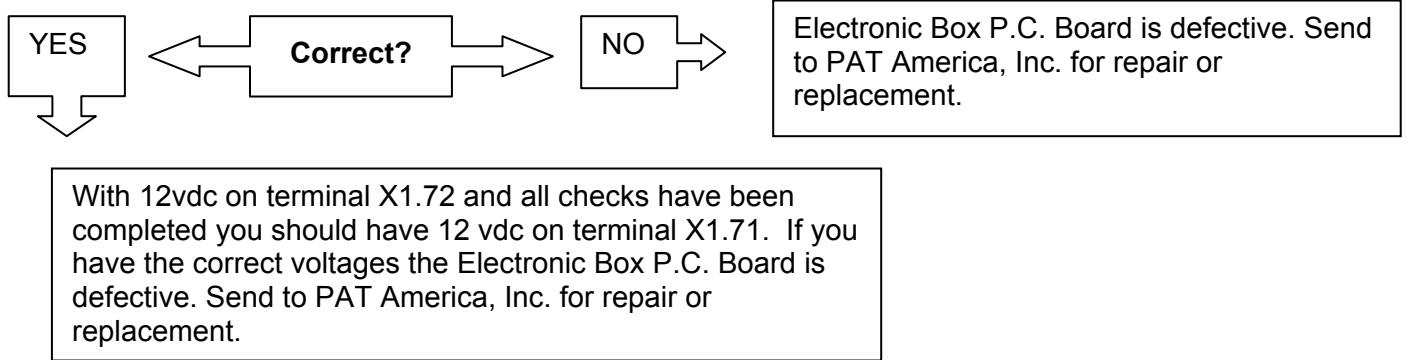
6.3.1 Adjust pressure piston:

1. Turn power off to the system and wire simulator to the piston pressure channel (blue to term. # 12, brown to term. #45, green/yellow to term. # 51). Put voltmeter ground on term. # 45 and positive to term. # 51.
2. Go to the Calibration menu by pushing the up then P button while in the Program menu screen.
3. Push up or down button until NORM menu title is blinking, then push P button.
4. Push up or down button until PRESSURE-PIS menu title is blinking, then push P button.
5. Adjust simulator to 2.500 vdc.
6. Push up or down button until MINIMUM menu title is blinking, then push P button.
7. Push P button until all digits have been verified with the proper value, which will be 000.00 bar.
8. Adjust simulator to 7.500 vdc. Push up or down button until MAXIMUM menu title is blinking, then push P button.
9. Push P button until all digits have been verified with the proper value, which will be 250.00 bar.
10. Push up or down button until ADJUST menu title is blinking then push P button.
11. Push down button until EXIT menu title is blinking then push P button.

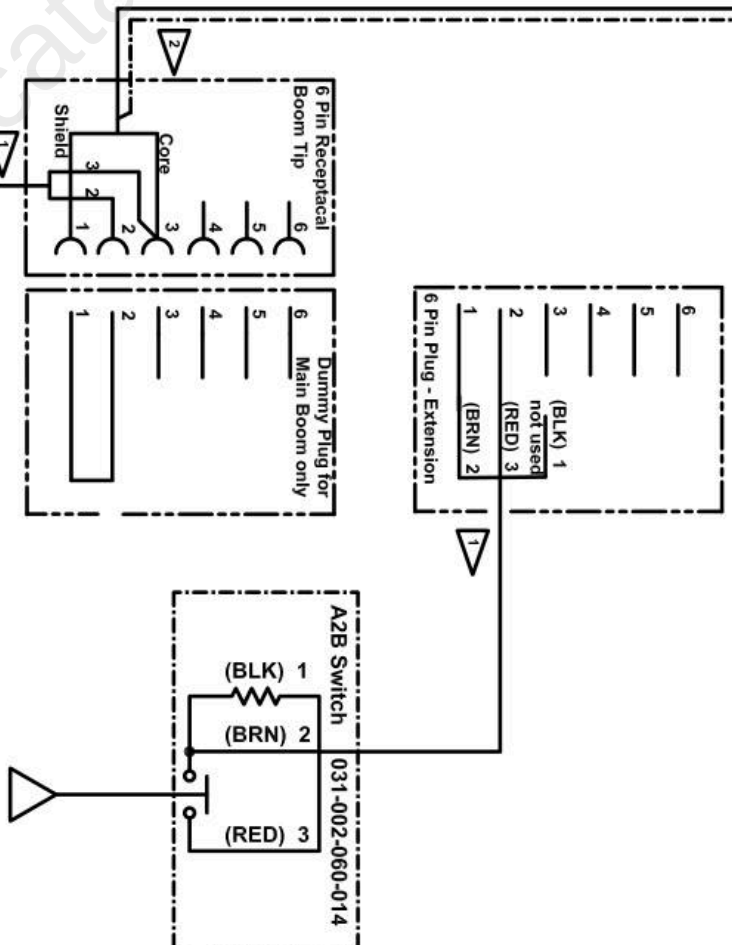
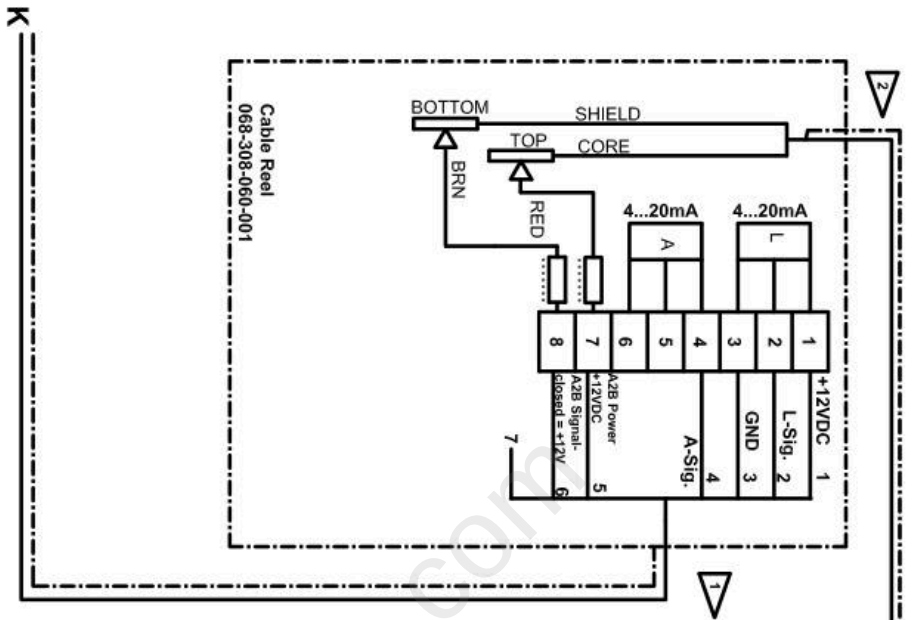
6.3.2 Adjust pressure Rod:

12. Move positive lead of voltmeter to term. # 52.
13. Push up or down button until PRESSURE-ROD menu title is blinking then push P button.
14. Adjust simulator to 2.500 vdc.
15. Push up or down button until MINIMUM menu title is blinking then push P button.
16. Push P button until all digits have been verified with the proper value, which will be 000.00 bar.
17. Adjust simulator to 7.500 vdc
18. .Push up or down button until MAXIMUM menu title is blinking then push P button.
19. Push P button until all digits have been verified with the proper value, which will be 250.00 bar.
20. Push up or down button until ADJUST menu title is blinking then push P button.
21. Push down button until EXIT menu title is blinking then push P button.
22. Push down button to EXIT then P button until you get to the Program menu and enter the working display.

PREVIOUS PAGE



To PRS 145 Central Unit



LEGEND	
BRN	BROWN
BLK	BLACK
WHT	WHITE
GRY	GRAY
GRN	GREEN
BLU	BLUE
RED	RED
PNK	PINK
ORG	ORANGE
YEL	YELLOW
VIO	VIOLET
SHD	SHIELD
CRE	CREAM
IS	INNER
IS	SHIELD
SS	SINGLE
SS	SHIELDED
DS	DOUBLE
DS	SHIELDED
NC	NOT
NC	CONNECTED

NOTES:

- 1 SHIELD CONNECTED TO STRAIN RELIEF INSERT
- 2 SHIELD IS USED AS CONDUCTOR FOR A2B SWITCH CIRCUIT

 PAT AMERICA, Inc. 1665 ORCHARD DRIVE CHAMBERSBURG, PA 17201		PRS 145 w/ LWG 308 & KST P-Transducers					
		GENERAL TOLERANCES		P/N		031-300-101-xxx	
REV	ECN	DESCRIPTION	BY	APV	DATE	DRAWN	DATE
						WB	09/29/2003
						APPROVED	DATE
						SCALE:	SHEET: 2 of 4
						SIZE	DWG NO.
						ECN	REV
						A	

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Book No: 031-300-190-162 · File Pages: 56 · File Count: 1 · File Language: English