



PAT

PAT

LOAD MOMENT INDICATOR

DS150C

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PAT America, Inc.



SERVICE MANUAL

P/N 9333104092 REV E 8/23/01

NO.	PART NO.	QTY	DESCRIPTION
01	9333103644	1	Board, Connection, DS150, CU
02	9333103652	1	Board, Processor
03	9333103289	1	Board, EPROM Module
04	9333102203	1	Relay, Shut-Off 12 V
05	9333102980	1	Cover, Central Unit, DS150
06	9333101978	1	Central Unit Accy, Screw Set, DS150
07	9333101977	1	Housing, Central Unit DS150
08	147240	1	Central Unit Accy, Gasket, For C.U. Cover
09	9333102541	1	Key Switch, Central Unit
10	9333103058	1	Key, Central Unit Key Switch
11	9333101666	1	Fuse Holder, Central Unit
12	9333101667	1	Fuse, 2 Amp 1/4 X 1 1/4, 250v Fast-Acting
13	7482000549	1	Fuse, 10 Amp 1/4 X 1 1/4, 250v Fast-Acting
14	9333101732	2	Strain Relief Accy, PG13.5 Hole Plug
15	9333101547	2	Nut, PG13.5
16	9333101579	1	Strain Relief Assy, PG 13.5 Red Long W/Nut+Washer
17	9333103764	2	Central Unit Accy, Check Moisture Drainage
18	9333101983	3	Strain Relief Assy, PG 11, Grn Long W/Nut+Washer
19	9333102047	4	Strain Relief Accy, PG11 Hole Plug
20	9333101727	4	Nut, PG11
21	9333101443	1	Strain Relief Accy, PG16 Hole Plug
22	9333101729	1	Nut, PG16
23	9333101980	1	Central Unit Accy, Wall Mount Set, DS150/350
24	9333101975	1	Central Unit Accy, Baseplate, DS150
25	9333101918	1	Chemical, Moisture Pack

PROCEDURE 4. Connection Board Replacement

Refer to Drawing 1, central unit parts list for board location.

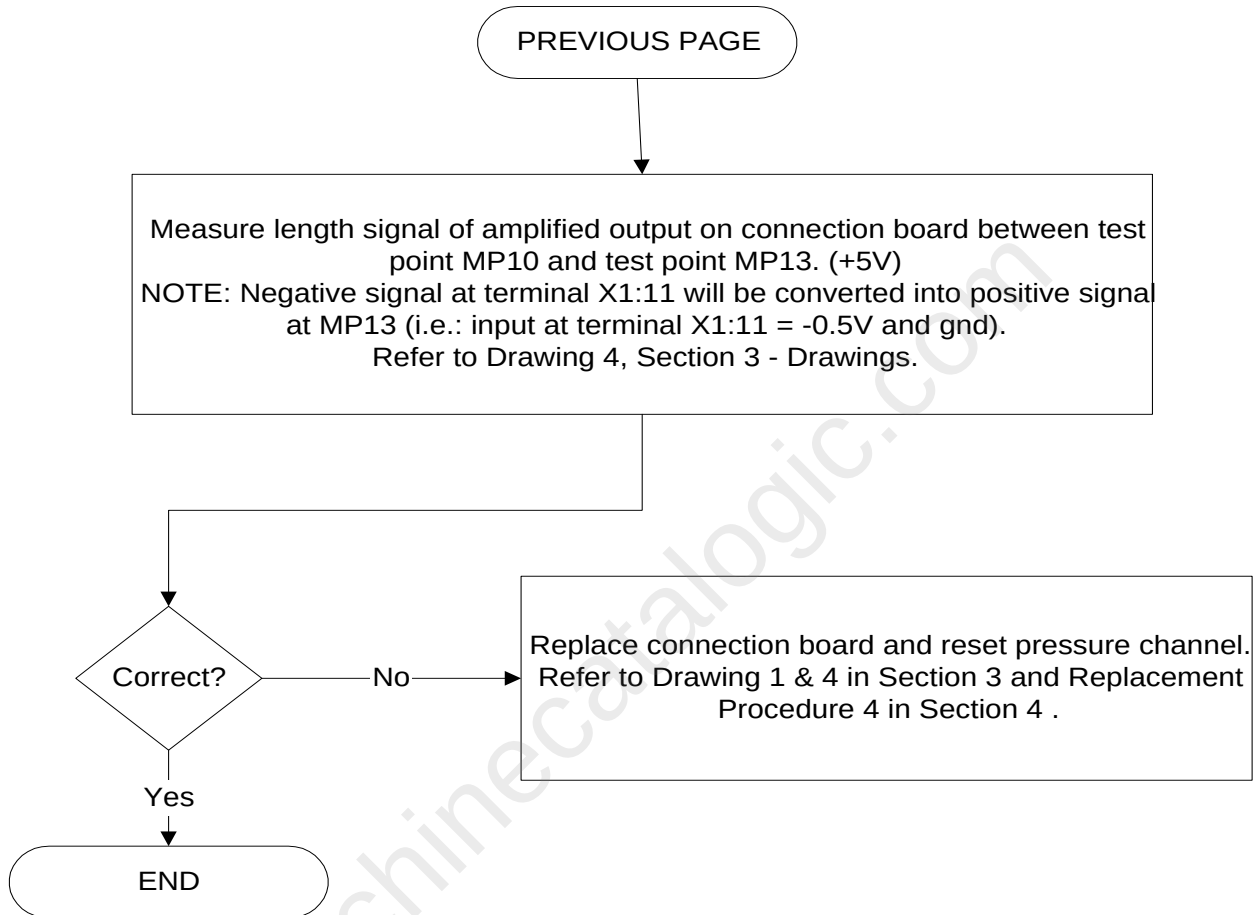
1. Turn system power off.
2. Remove the central unit lid.

NOTE: Take care not to damage the boards with the screwdriver, when removing and inserting screws.

NOTE: Be careful when lifting the CPU module board from the connection board, because these boards have pins on the bottom side, which insert into the connection board.

3. Remove CPU module board by taking out the 4 small Philips screws holding it in place.
4. Remove the relay from the connection board. Item 4 on Drawing 1.
5. Mark all connection wires before removing, to identify location for reconnecting. Disconnect all X1 terminal wires from the connection board.
6. Remove the 9 large Philips screws holding the connection board in place.
7. Note the orientation of the connection board in the central unit. Remove connection board and place it in the same packing material that the replacement in which the connection board came.
8. Carefully insert the new connection board in place. Refer to Drawing 1 for location.
9. Insert the 9 Philips mounting screws.
10. Insert CPU module board by lining up the pins into the sockets X11 and X12 and the 4 screw holes.
11. Insert the 4 small Philips screws and washers.
12. Insert the relay into the main board. Item 4 on Drawing 1.
13. Connect the X1 terminal wires to the main board. Refer to Drawing 4.
14. Inspect the gasket for nicks, cuts, or damages.

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