

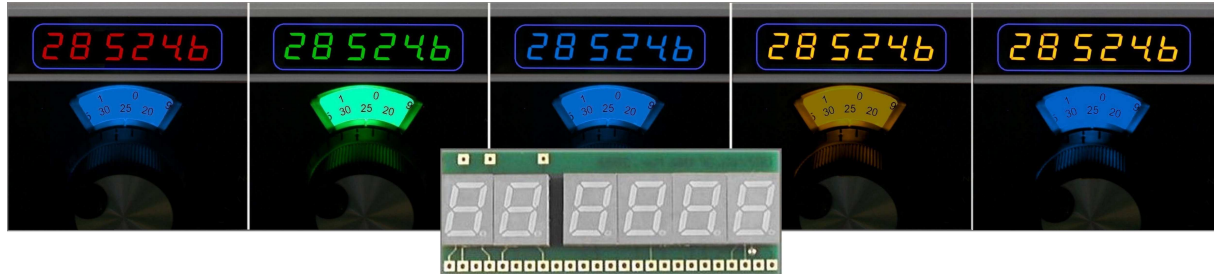
Installation Instructions

7-Segment, 6-Digit LED Frequency Display for Drake Radio Model TR7 and R7

Type: DR7/6.DF4NW.Sept.2005

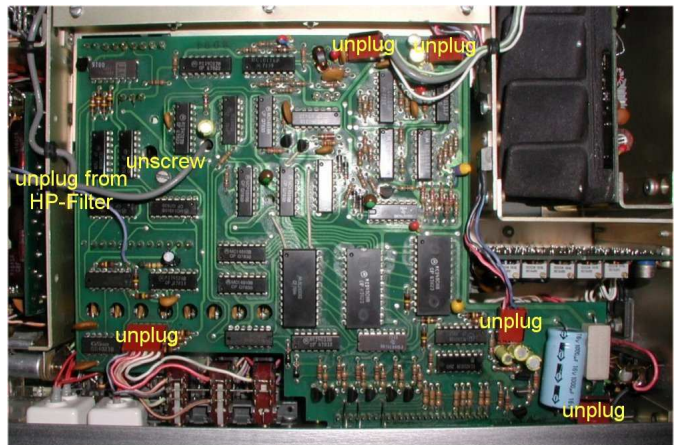
DPMA Reg.-No. 20 2005 014 824.5 (German Patent Authorities)

New Style Replacement LED Display for the DR-7 Board

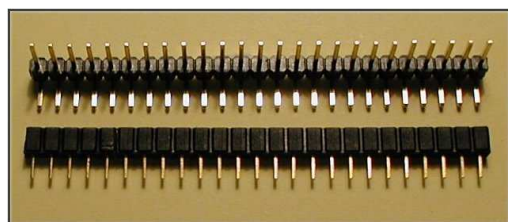


Preparation to replace the display board

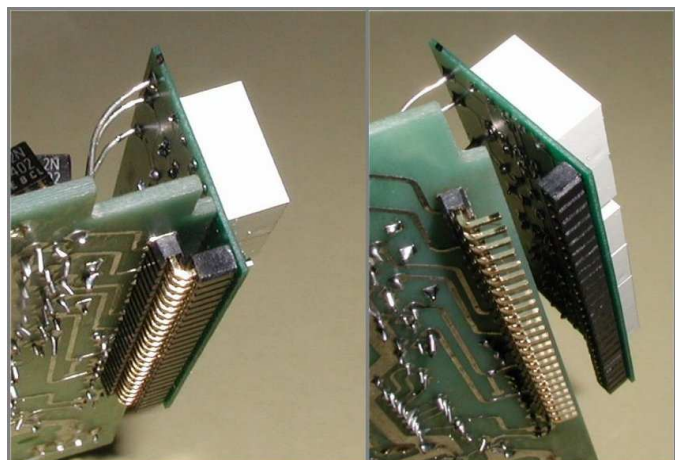
1. Unplug all connecting wires from the DR7-Board. Connector P1 to P5, grey coax cable and blue control wire from High Pass Filter Module.
2. Remove one securing screw and lock washer located near the centre of the DR-7 Board.
3. Lift the DR-7 Board up and out of its plugged-in position of the subjacent PC-Boards.
4. When removing the DR-7 board be sure to keep clear of the adjustment potentiometer for the fixed pass band and +10V on the power supply board.
5. To avoid damage to the DR-7 Board use non-metal or PVC protected tools without sharp edges
6. Cut the 25 pins of the connector close to the DR-7 P.C. Board.
7. Remove the pins from the DR-7 Board and clear the holes of solder.



Assembling

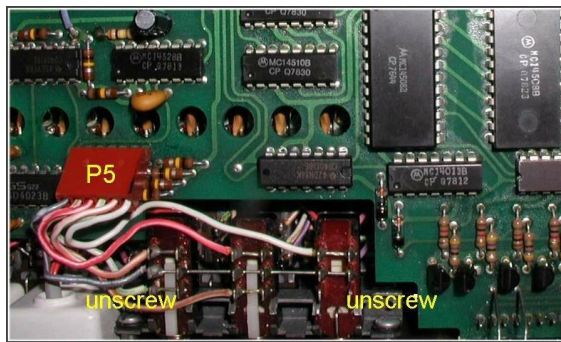
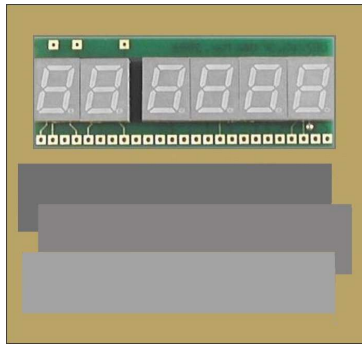


1. Plug the right angle male connector into the female connector. This is necessary to ensure proper spacing because the female connector comes in two pieces (20+5)
2. Solder the female connector flush onto the display board.
3. Insert the right angle connector into the DR-7 board so the body of the connector comes flush with the DR-7 board and solder 2 pins.
4. Re-check that the display board is at a right angle in respect to the DR-7 board and solder the remaining pins.



Re-install the DR-7 board

1. Unscrew and unplug the Up/Down/Store push button switch P5.
2. Remove the side panel on both sides.
3. Slide the acryl glass cover, the top panel and filter foil to the open side.
4. Plug-in the DR-7 Board to the subjacent PC-Boards.
Note: Items 1 to 3 are recommended to gain more clearance for plugging-in the DR7 board.
5. Fix DR-7 board with securing screw and lock washer.
6. Reconnect all wires.
7. Switch on TR7 or R7 to check function of the LED-Display.



Installing LED Filter Foil

Replacing Filter Foil

Replace the existing red filter foil with the provided smoke colour filter foil and secure with scotch tape.

Note: 3 pieces of smoke colour filter foil of different shades are provided. In order to meet individual requirements in respect to brightness of the 7 Segment display the filter foil can be combined of 1 to 3 layers.

Note: The smoke colour filter foil is suitable for all different display colours and is heat resistant up to 930°F (500 °C).

Re-assembling Front Panel

1. Re-install the covering stripe, acryl glass cover, Up/Down/Store switch, and side panels.
2. Re-align the DR-7 Board so the display comes in line with the surface of the panel and into the centre of the display window.

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