

SANYO

SANYO Australia Pty Ltd

CONSUMER ELECTRONICS DIVISION

TECHNICAL BULLETIN No. 61 DATE: 09/12/03

SUBJECT: DTA-150 MODIFICATION

Fault: Some CDs do not play.

Cause: The laser pick-up cables are changing impedance and radiation from CD PCB interfere with the pick-up signal.

Remedy: Apply the DTA150MK modification kit to the unit

Method:

Step 1. Open the cassette lid. See Fig 1.



Fig 1.

Step 2. Remove the speaker grills. See Fig 2.



Fig 2.

Step 3. Remove eight (8) screws. Six (6) type 1 (3X16mm) and two (2) type 2 (3X12mm). See Fig 3.



Fig 3.

Step 4. Remove four (4) screws from the back. Two(2) of them type 2 and two (2) of them type 3 (3X8mm). Remove one (1) type 2 screw from the top of the unit, under the CD lid. See Fig 4.



Fig 4.

Step 5. Remove the front cover and five (5) connectors. See Fig 5.
Disconnect the 3 pin and 11 pin connectors from the front PCB. Disconnect CN701 (HEAD Lead), CN703 (REC-SW Lead) and CN503 (SPEAKER Lead).



Fig 5.

Step 6. Remove the upper cover. Undo the antenna holding screw (type 2). Disconnect CN208 (SNOOZE/DISPLAY/SW Lead). Remove the upper cover by pulling it up and toward the front. Disconnect CN806 (Open/Close Sensor SW Lead). See Fig 6.



Fig 6.

Step 7. Remove the CD base mechanism. Remove the “floating rubbers” from the mechanism. Disconnect three (3) connectors from the laser unit. See Fig 7.



Fig 7.

Step 8. Add two (2) diodes in series with R838. See Fig 8.

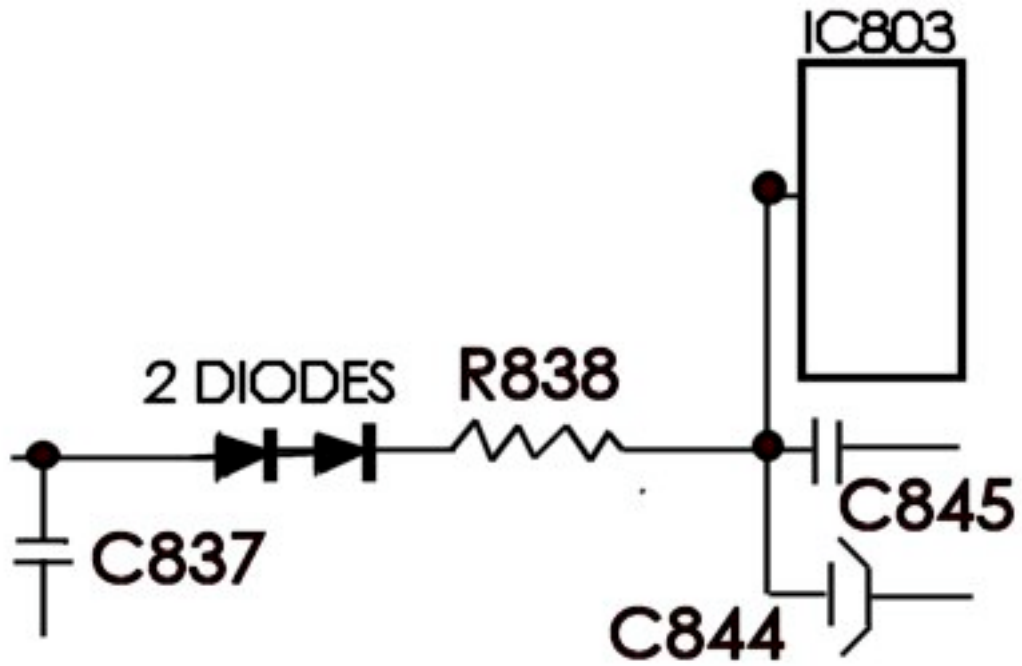


Fig 8.

Get the two (2) diodes supplied and cut it to size. See Fig 9.



Fig 9.

Unsolder and remove one end of R838. See Fig 10.
The solder track is located on the under side of the top CD PCB.



Fig 10.

Straighten the cathode side lead of the diode assembly and hook it with R838 free lead. See Fig 11.



Fig 11.

Solder the joint and apply the heat-shrink tubing supplied over the diodes and resistor. See Fig 12.



Insert the anode lead of the diode assembly into the hole, from which the R838 has been removed and solder it. See Fig 13.



Fig 13.

Step 9. Dress the grey cable from the top of the CD PCB. See Fig 14.



Fig 14.

to the front of the PCB. See Fig 15.



Fig 15.

Step 10. Fix the double sided tape on top of IC803. See Fig 16.



Fig 16.

Stick the heat sink/shield onto IC803 and secure it with the new, supplied screw. See Fig 17.

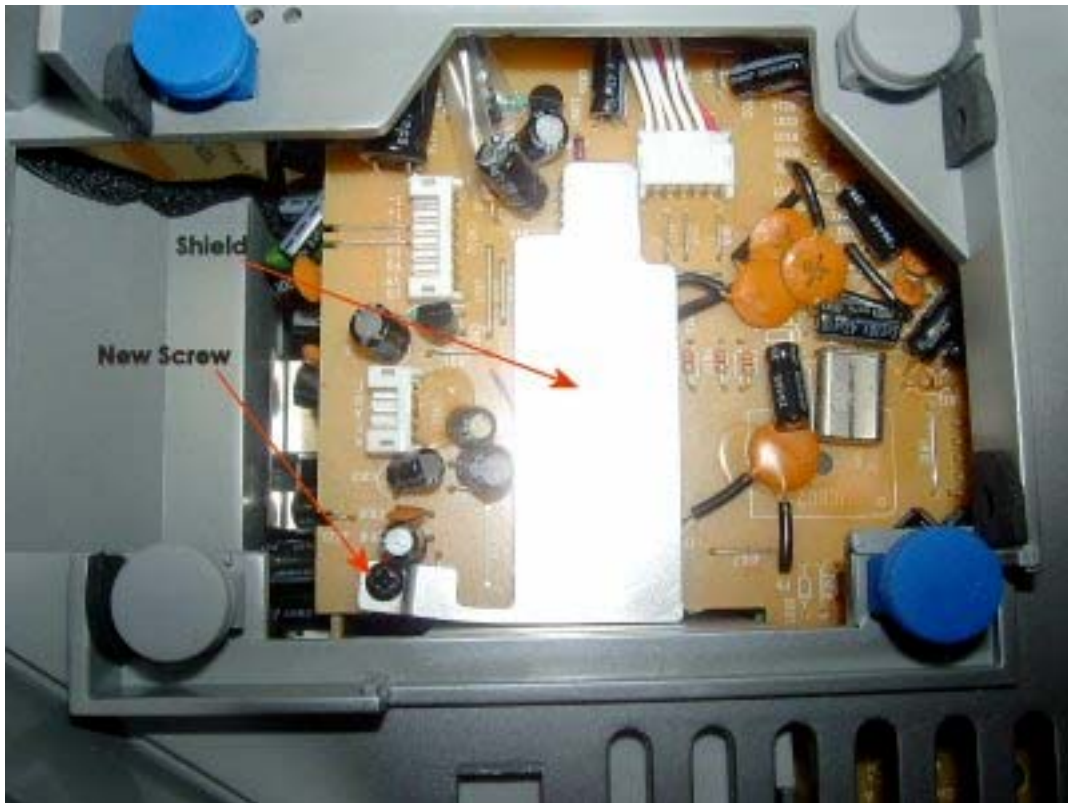


Fig 17.

Step 11. Prepare the new pick-up cables by aligning them on one end and tie them together, with a supplied cable tie, at the other end. See Fig 18.



Fig 18.

Step 12. Connect the two (2) aligned connectors to the laser pick-up and the other two (2) to the CD PCB.

Step 13. Reassemble the unit in the reverse order.