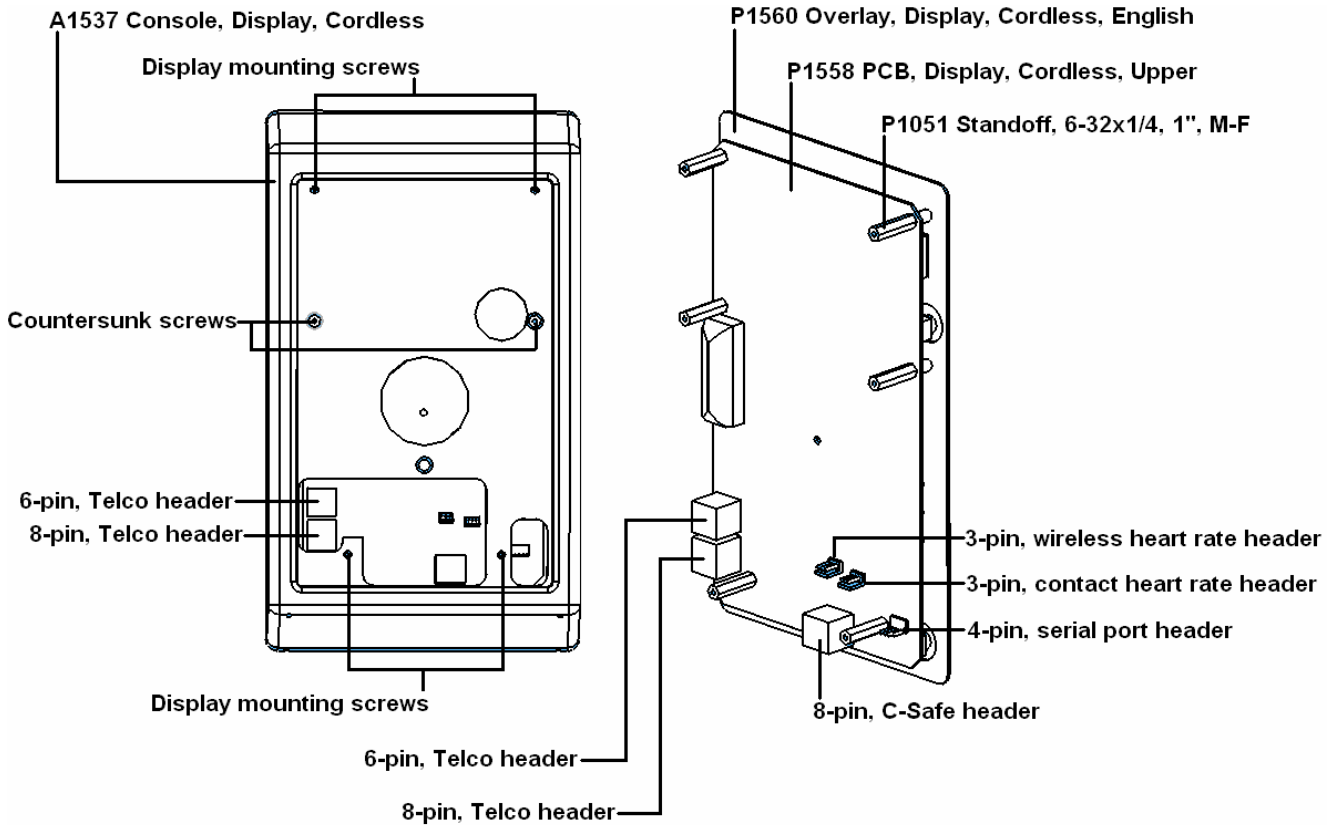


ISO1004R Upper PCB (Display) Replacement (Use this procedure for ISO1004R's thru serial number 510-005402.)



1. Using a Philips screwdriver, remove the four (4) display mounting screws on the back of the display mounting plate.
2. Disconnect all cables running to the upper PCB and remove the upper console assembly from the unit. **Make sure the cables do not fall into the neck of the unit.**
3. Remove the two (2) outer countersunk screws in the back of the plastic console using a Philips screwdriver. This will free the upper PCB and overlay from the plastic console. **Do not touch any components on the upper PCB. Touching components could cause static damage.** If the heart rate PCB is still plugged into the upper PCB, unplug it now.
4. Remove the six (6) standoffs from the upper PCB. This may require the use of a 5/16" nut driver or socket. The upper PCB will separate from the overlay.
5. Install the new upper PCB and replace standoffs. If your unit had two (2) plastic standoffs, these need to be placed back at the bottom of the new upper PCB.
6. Plug the heart rate PCB back into the upper PCB. It plugs into the centermost, 3-pin Molex header.
7. Reinsert the upper PCB assembly into the front of the console.

8. Reinstall the two (2) outer countersunk screws in the back of the plastic console.
9. Reconnect all cables to the upper PCB.
 - The contact heart rate PCB has a cable coming up from the neck of the unit. This plugs into the outermost, 3-pin Molex header next to the wireless heart rate PCB header.
 - When looking at the back of the upper PCB, the Telco cables plug in along the left edge. The 6-pin plugs into the top plug and the 8-pin plugs into the bottom plug.
 - If your unit has Cardio Key, the cable plugs into the serial port, which is the 4-pin Molex header lower right corner.
 - If your unit has Broadcast Vision, Cardio Theater, etc., the cable connects to the 8-pin header located at the bottom center of the upper PCB.
10. Place the display assembly back onto the mounting plate and install the four (4) display mounting screws.
11. The model of machine must be defined. (Rotate the pedals to power up the upper display to perform this next procedure.) When the display lights up, see if “**ELLIPTICAL**” appears in the top window. If so, use the UP arrow until the correct setting is displayed for your unit. The correct setting for your unit is “**RECUMBENT**”. Press ENTER to save. If no unit type appears in the top window upon power up, the display has probably been preset at the factory. To verify this, hold the SCAN and ENTER buttons at the same time until a language type appears, then release. With either “ENGLISH” or “GERMAN” displayed, press ENTER to display the unit type. If the unit type is correct, press ENTER seven times to exit the mode. If the correct unit type is not displayed, press ENTER seven times to exit the mode, then follow step 12 to correct.
12. Press SCAN, SELECT, and PAUSE for five to six seconds to clear the E-Prom on the upper PCB. “**ELLIPTICAL**” will appear in the top window. Use the UP or DOWN arrow keys until the correct unit setting is displayed. Once the correct setting appears in the top window, press ENTER to save and exit.

Cardio Key/ Broadcast or Cardio Theatre Set Up: If you have Cardio Key, Broadcast Theatre, or Cardio Theatre, press SCAN and ENTER at the same time until a language type appears. Press ENTER five times until “**CARDIO KEY**” or “**CSAFE COMM**” appear in the top window. Use the UP or DOWN arrow to toggle between settings. The setting for Cardio Key is “**CARDIO KEY**”. The correct setting for Broadcast or Cardio Theatre is “**CSAFE COMM**”. Press ENTER three times to exit the mode.