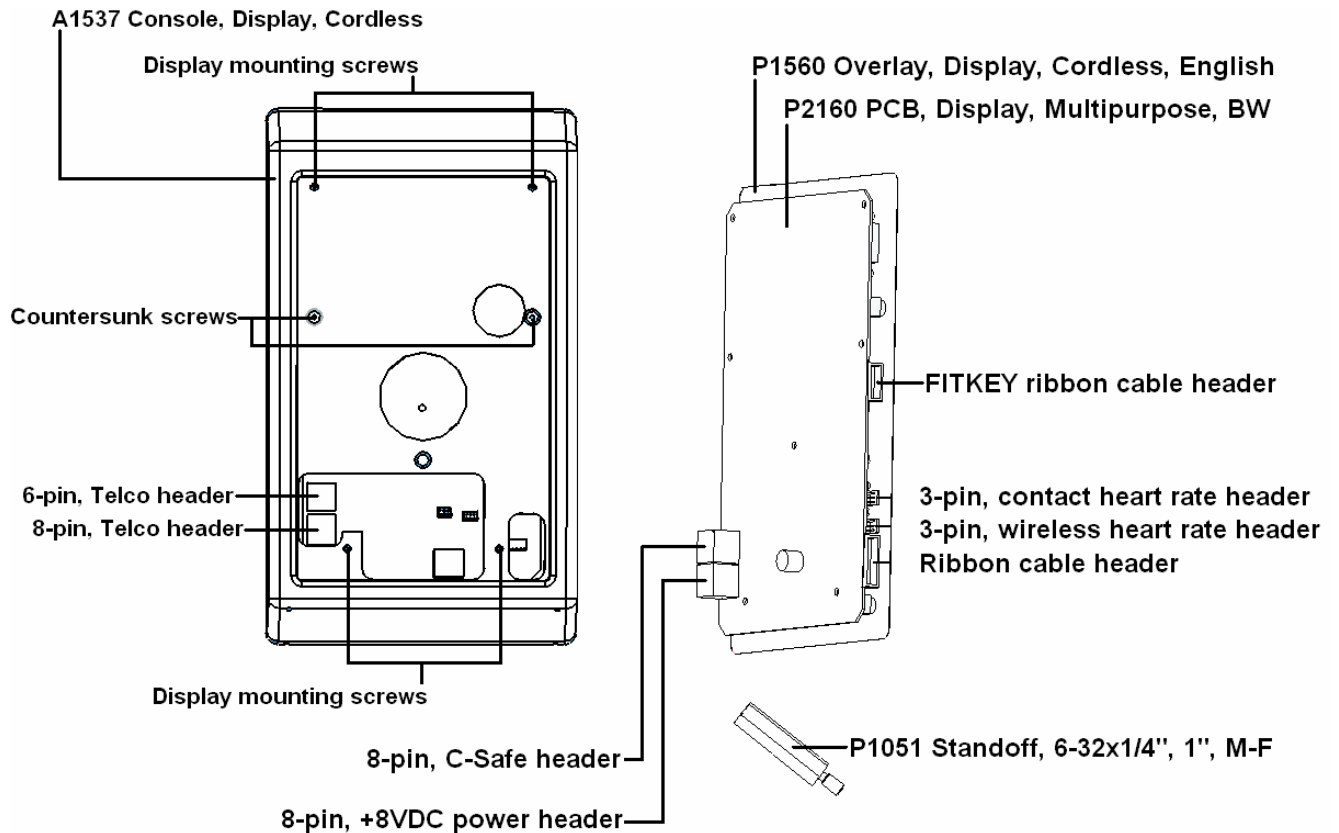


## ISO1004R Upper PCB (Display) Replacement (Use this procedure for ISO1004R's with serial numbers 510-005403 thru 510-005444.)



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 wireless heart rate PCB is still plugged into the upper PCB, unplug it.
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.
6. Reconnect all cables to the upper PCB (as shown above).
  - Plug the wireless heart rate PCB back into the upper PCB. It plugs into the bottom 3-pin header on the right side of the upper PCB.
  - The contact heart rate PCB has a cable coming up from the neck of the unit. This plugs into the top, 3-pin header on the right side of the upper PCB, above the wireless heart rate header.

- The ribbon cable plugs into the bottom ribbon cable header on the right side of the upper PCB.
  - If your unit has Broadcast Vision, Cardio Theater, etc., the cable connects to the 8-pin, +8VDC power header. When looking at the upper PCB from the front, this header is located on the lower right backside corner of the upper PCB (as shown above).
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. Place the display assembly back onto the mounting plate and install the four (4) display mounting screws.
  10. 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 **“UNDEFINED”** 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”** or **“ISO1000R”**. 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, SELECT, and PAUSE for three seconds until **“FACTORY SETTINGS”** appears, then release. ***Do not continue to hold keys once this appears.*** Press ENTER once. If **“RECUMBENT”** or **“ISO1000R”** appears in the top window, press ENTER eight (8) times until **“UPDATING”** appears. If **“RECUMBENT”** or **“ISO1000R”** doesn't appear in the top window, press and hold SELECT and the UP or DOWN arrow simultaneously until **“RECUMBENT”** or **“ISO1000R”** does appears.
  11. Verify operations of the unit by using different programs.