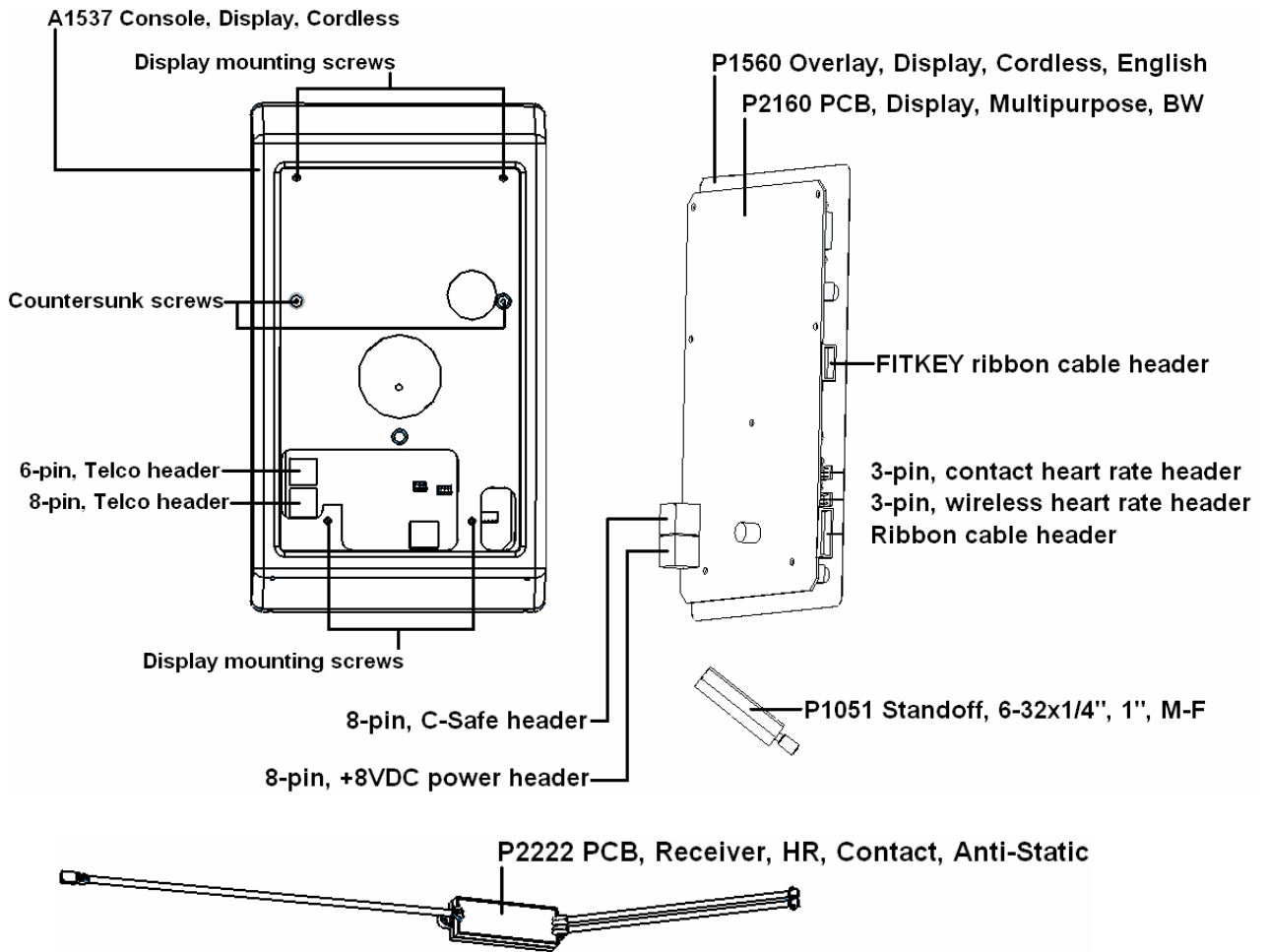


ISO1004R Contact Heart Rate PCB Replacement (Use this procedure for ISO1004R's with serial numbers 510-005403 thru 510-005444.)



1. Using a Philips screwdriver, remove the four (4) display mounting screws on the back of the display mounting plate.
2. Remove the two (2) outer countersunk screws in the back of the plastic console (A1537), using a Philips screwdriver. This will free the upper PCB (P2160) and overlay (P1560) from the plastic console. **Do not touch any components on the upper PCB. Touching components could cause static damage.**
3. 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.**
4. Pop the grommet out of the hole leading down into the neck of the unit.
5. Pull the small, round, black or gray-jacketed cable that connects to the contact heart rate PCB (P2222) up through the hole in the neck until you see two (2) connection points.

6. Disconnect each connection by pressing down on the raised tabs and pulling the cables apart. ***Do not let the cables fall down into the neck of the unit.***
7. Install the new contact heart rate PCB. Line up the connectors. The hook on the contact heart rate PCB cable header should line up with the raised tab on the other cable. Push the connections together until they snap in place.
8. Remove the anti-static foam from the old contact heart rate PCB and install on the new one.
9. Reinsert the contact heart rate PCB into the neck of the unit.
10. Run the cables through the center of the grommet.
11. Reinstall the grommet into the hole of the neck.
12. Reinsert cables through the hole in the back of the console.
13. Reconnect all cables to the upper PCB (as shown at top of this procedure).
 - 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 (as shown above).
 - 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).
14. Reinsert the upper PCB assembly into the front of the console.
15. Reinstall the two (2) outer countersunk screws in the back of the plastic console.
16. Place the display assembly back onto the mounting plate and install the four (4) display mounting screws.
17. Verify operations of the contact heart rate by using different programs except Heart Rate Control program. The Heart Rate Control program requires the use of a wireless chest strap.