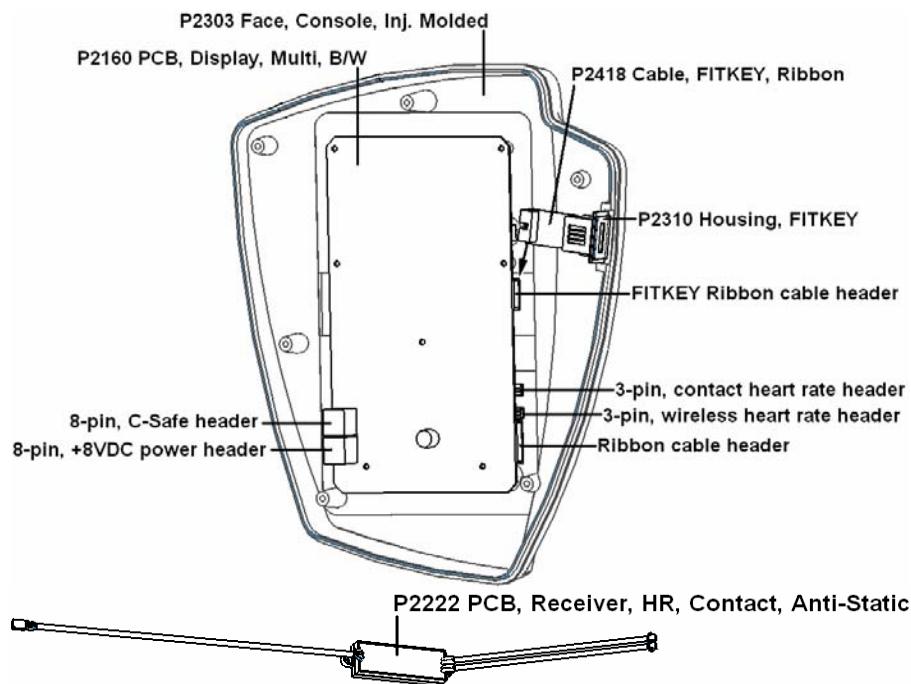
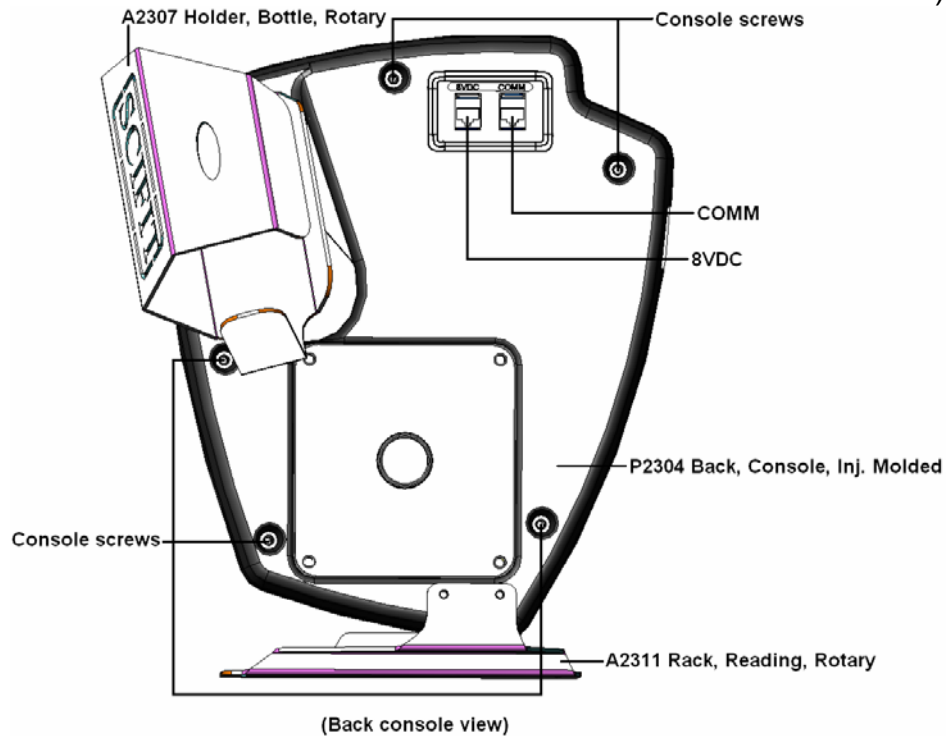


ISO1004R Contact Heart Rate PCB Replacement (Use this procedure for ISO1004R's with serial numbers 510-005445 thru 510-005578.)



1. Remove the five (5) console screws in the console back (P2304), using a Philips screwdriver.
2. Disconnect all cables running to the upper PCB (P2160) and remove console face (P2303) from the unit. **Make sure the cables do not fall into the neck of the unit.**

3. Remove the four (4) display mounting screws to remove the console back from the mounting plate. **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. Reinstall the grommet into the hole of the neck.
11. Run cables through the hole in the console back.
12. Remount the console back by reinstalling the four (4) display mounting screws.
13. Reconnect all cables to the upper PCB (as shown at the top of 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 in the drawing).
 - 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 (as shown in the drawing).
 - The ribbon cable plugs into the bottom ribbon cable header on the right side of the upper PCB (as shown in the drawing).
 - The FITKEY ribbon cable (P2418) plugs into the FITKEY ribbon cable header on the upper PCB. This header is located just above the contact heart rate header (as shown in the drawing).
 - There are two (2) gray Telco cables. The cable from the 8VDC jack affixed to the console back connects to the 8-pin, +8VDC power header on the upper PCB. The other cable from the COMM jack affixed to the console back connects to the 8-pin, C-Safe communications header.
14. Verify connections.
15. Match the console and face up to each other and install the five (5) console screws, using a Philips screwdriver.
16. Verify operations of the contact heart rate by using different programs except the Heart Rate Control program. The Heart Rate Control program requires the use of a wireless chest strap.