

## Replacing the PCBA

### ClubTrack 510/612

1. Turn off the treadmill and disconnect the power cord from the outlet.
2. Remove the controller assembly as described earlier.
3. Using a 6mm nutdriver or socket, remove the M4 hex spacers securing the PCBA. Using a Phillips screwdriver, remove the remaining screws, noting the location of the EMI ground clip and the handgrip module ground wire.
4. Disconnect the handgrip module interface cable.
5. Remove the PCBA, disconnecting the ribbon cable from the keypanel.
6. Replace the PCBA and reassemble, following steps 1-5 in reverse.

### ClubTrack 510/612 Plus

1. Turn off the treadmill and disconnect the power cord from the outlet.
2. Remove the controller assembly as described earlier.
3. Using a 6mm nutdriver or socket, remove the M4 hex spacers securing the PCBA. using a Phillips screwdriver, remove the remaining screws, noting the location of the EMI ground clip and the handgrip module ground wire.
4. Disconnect the ribbon cable to the LCD display (at the top of the PCBA). Disengage the connector from the cable by sliding the outer connector housing away from the PCB. The housing will slide approximately 1/8 inch, then stop. Once the housing is in this position, the cable should extract without any resistance.
5. Disconnect the fluorescent tube wires (2 wire connector) from the PCBA.
6. Disconnect the handgrip module interface cable.
7. Remove the PCBA, disconnecting the ribbon cable from the keypanel.
8. Replace the PCBA and reassemble, following steps 1-7 in reverse.

## Replacing the Handrail (Treadmills with Handgrip Heart Rate feature)

1. Turn off the treadmill and disconnect the power cord from the outlet.
2. Remove the controller assembly as described earlier.

3. Use a 10mm socket wrench to remove the four screws that hold the two plastic handrail retainers in place. Carefully pull the retainers out using a pair of pliers.
4. Rotate the handrail 1/4 turn away from the keypanel so the slots that the retainers fit into now face upwards.
5. Push the right side of the handrail all the way forward, toward the keypanel.
6. Pull the left side of the handrail out of the upright fitting to complete the removal.
7. To install the new handrail, begin by sliding the handrail cable into the long, thin slot at the end of the handrail tube.
8. Hold the handrail so that the cable protrudes from the left side, and rotate the handrail so that the long slots face the ceiling.
9. Push the right side of the handrail tube into the upright fitting and slide the handrail toward the keypanel, as far forward as possible.
10. The left side of the handrail should now slide forward easily. Be careful not to kink the cable or cut through its outer jacket.
11. Pull the right side of the handrail back away from the keypanel and slide the handrail to the right.
12. Rotate the handrail forward, so that the slots face directly away.
13. Remove the cable from the slot on the left side, so that it moves freely, and route it through the upright fitting.
14. Reinstall the plastic handrail retainers and the four screws.
15. Reinstall the controller assembly.

## **Replacing the Fluorescent Tube (Plus Models)**

1. Remove the PCBA as described above (Replacing the PCBA).
2. Remove the EMI shield.
3. Remove the LCD display from the keypanel and place it face up.
4. Remove the single screw that holds the white plastic fluorescent tube housing together.
5. Remove the fluorescent tube (p/n 35428-001) and replace with new tube.
6. Reassemble in reverse order.