

Procedure 6.1 — Replacing the Lift Motor

Note:

The replacement lift motor must be calibrated prior to installation. The lower PCA bracket assembly must be removed to gain access to the lift motor. The defective lift motor is then removed and the calibrated replacement lift motor is installed. The lower PCA bracket is then replaced.

1. If the incline is at 0%, skip to step 3.
2. Set the treadmill circuit breaker in the “on” position. Press the **QUICK START** to start the running belt. Use the **INCLINE ▼** key to lower the incline to -3%
3. Set the treadmill circuit breaker in the “off” position and remove the AC line cord from the AC outlet.
4. Disconnect the lift motor plugs from J2 and J5 connectors of the lower logic PCA. See Diagram 5.2.
5. Lay the replacement lift motor on the floor in front of the treadmill and connect it’s two plugs to the J2 & J5 connectors of the lower logic PCA.
6. Calibrate the lift motor per Procedure 4.1, steps 4-7.
7. Remove the lower PCA per Procedure 6.4, steps 1-7.
8. Remove the defective lift motor as follows: remove the screw that fastens the frame ground wire (green with yellow stripe) to the treadmill frame. Remove the hitch and clevis pins from the top and bottom of the lift motor. Remove the lift motor from the treadmill.
9. Set the calibrated lift motor in its mounting position. Replace the upper clevis and hitch pins.
10. Replace the lower clevis and hitch pins. It may be necessary to slightly rotate the lift tube to align it so that the clevis pin may be inserted. To align the hole in the lift tube rotate it in the direction that will cause the least amount of rotation to make alignment possible.
11. Connect the frame ground wire to the treadmill frame with the screw removed in step 6. Route both lift motor cables as noted in the lift motor removal procedure.
12. Replace the lower PCA per Procedure 6.4, steps 8-12.
13. Route the lift motor cables to the lower logic PCA as noted during the previous removal procedure. Plug the lift motor plugs into the J2 & J5 connectors on the lower logic PCA.
14. Check treadmill operation per Procedure 3.