Procedure 6.1 ó Replacing the Lift Motor

Note:
The replacement lift motor must be calibrated prior to installation (See Procedure 4.1). 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 ìonî position. Press the **QUICK START** to start the running belt. Use the **INCLINE ▼** key to lower the incline to 0%

3. Set the treadmill circuit breaker in the ìoffî 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 itís 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.

Procedure 6.2 ó Replacing the Lift Platform

1. Set the treadmill circuit breaker in the ìoffî position. Remove the AC line cord from the AC outlet.

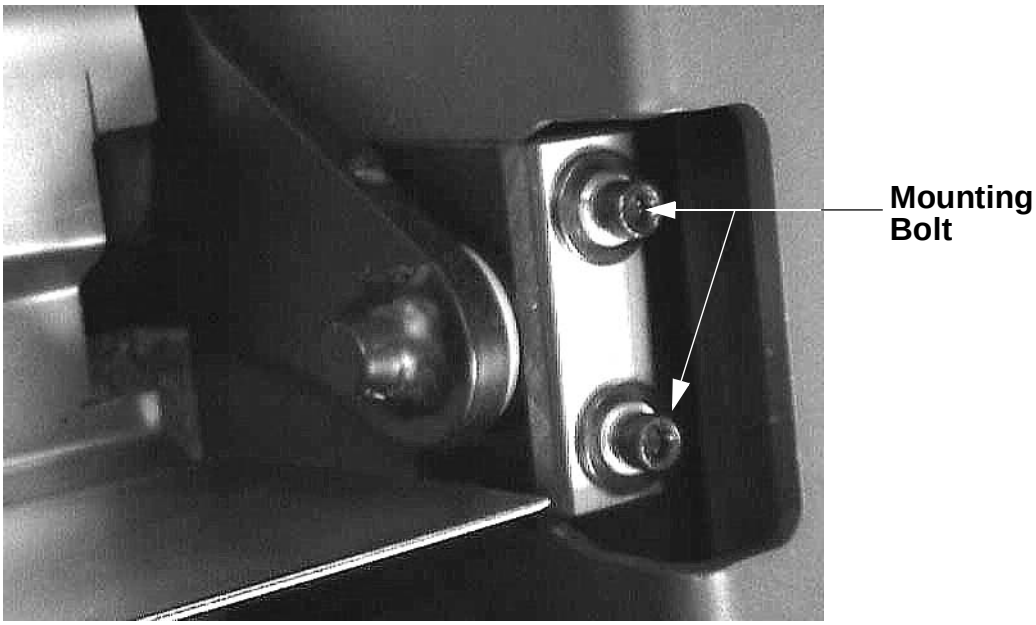
2. Remove the treadmill hood. Carefully, lay the treadmill on itís right side.

3. Remove the hitch pin and clevis pin that fastens the lift motor tube to the lift platform. While the lift tube is not fastened to the lift platform, care must be taken to not allow the lift tube to rotate. If the lift tube rotates, the lift motor must be re-calibrated per Procedure 4.1.

4. **For version 1 & 2 units continue with step 5. Skip to step 8 for version 3 units.**

5. Remove the four bolts (2 each side) that fasten the lift platform to the treadmill frame. See Diagram 6.1. Remove the lift platform from the treadmill.

Diagram 6.1 ó Lift Platform Mounting (version 1 & 2)

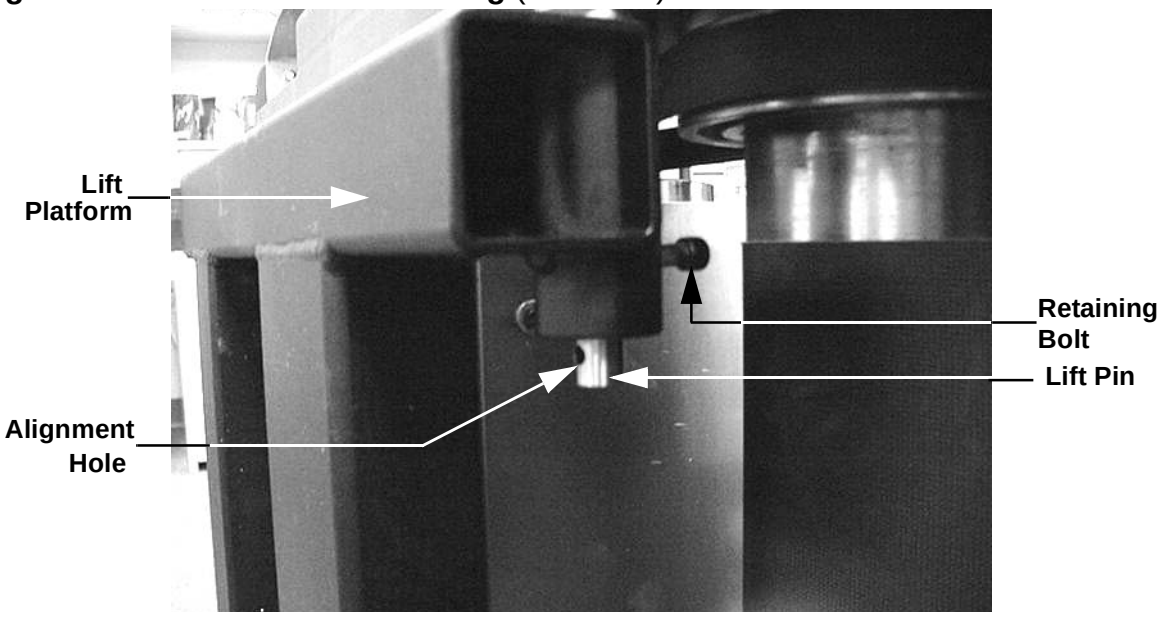


6. Set the replacement lift platform in itís mounting position. Start all four lift platform bolts. Securely tighten all four lift platform bolts.

7. Fasten the lift platform to the lift motor tube with the clevis and hitch pins removed in step 3. Do not allow the lift tube to rotate. Skip to step 18.

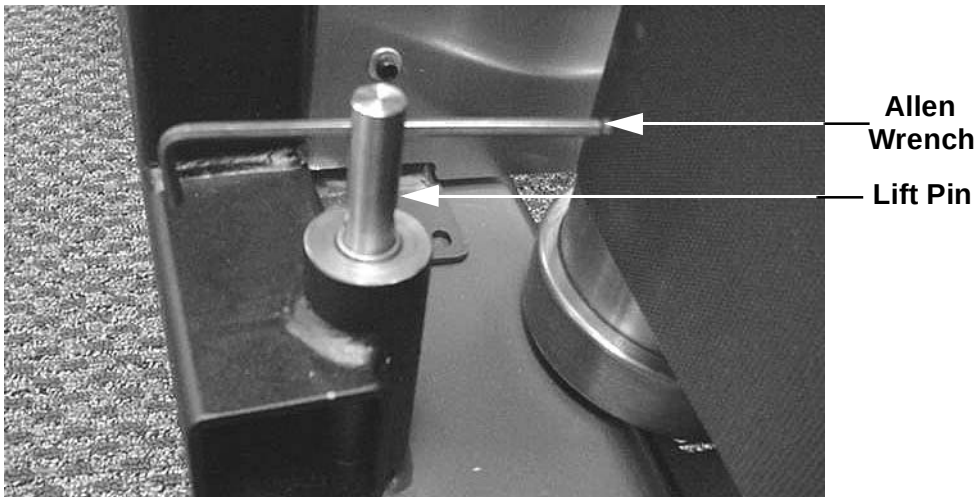
8. Remove the lift platform retaining bolt from both the left and right hand side of the lift platform. See diagram 6.2.

Diagram 6.2 - Lift Platform Mounting (version 3)



9. Slide a 5/32 inch allen wrench or similar slender tool into the alignment hole as shown in Diagram 6.3. Pull the right hand (lower) lift pin out of the treadmill frame.

Diagram 6.3 - Lift Pin Removal



10. Pull the left hand (upper) lift pin out of the treadmill frame in the same manner as in step 9. Remove the lift platform from the treadmill.

11. Remove both wheels from the lift platform and re-mount them on the replacement lift platform.

12. Set the replacement lift platform in itís mounting position. Slide the allen wrench into the right hand lower lift pin alignment hole as shown in Diagram 6.3. Carefully, alignment the lift pin with itís mating bushing in the treadmill frame and tap the lift platform into the frame bushing with a rubber mallet. The pin should be in as far as possible while still allowing the allen wrench to be easily removed.

13. Slide the allen wrench into the left hand (upper) lift pin alignment hole and tap the lift pin into its frame bushing as described in step 12.

14. Slide the retaining bolt into its mounting hole and apply slight inward pressure on the retaining bolt. Rotate the lift pin using the allen wrench until you feel the retaining bolt ìdropî into its chamfered and threaded hole in the lift pin. Hand thread the retaining bolt into the lift pin as far as possible. Care must be taken to ensure that you do not cross thread the retaining bolt.

15. Hand thread the right hand (lower) retaining bolt into the lift platform as described in step 14.

16. Tighten both lift platform retaining bolts.

17. Fasten the lift motor tube to the lift platform with the clevis pin and hitch pin removed in step 3.

18. Check treadmill operation per Procedure 3.