

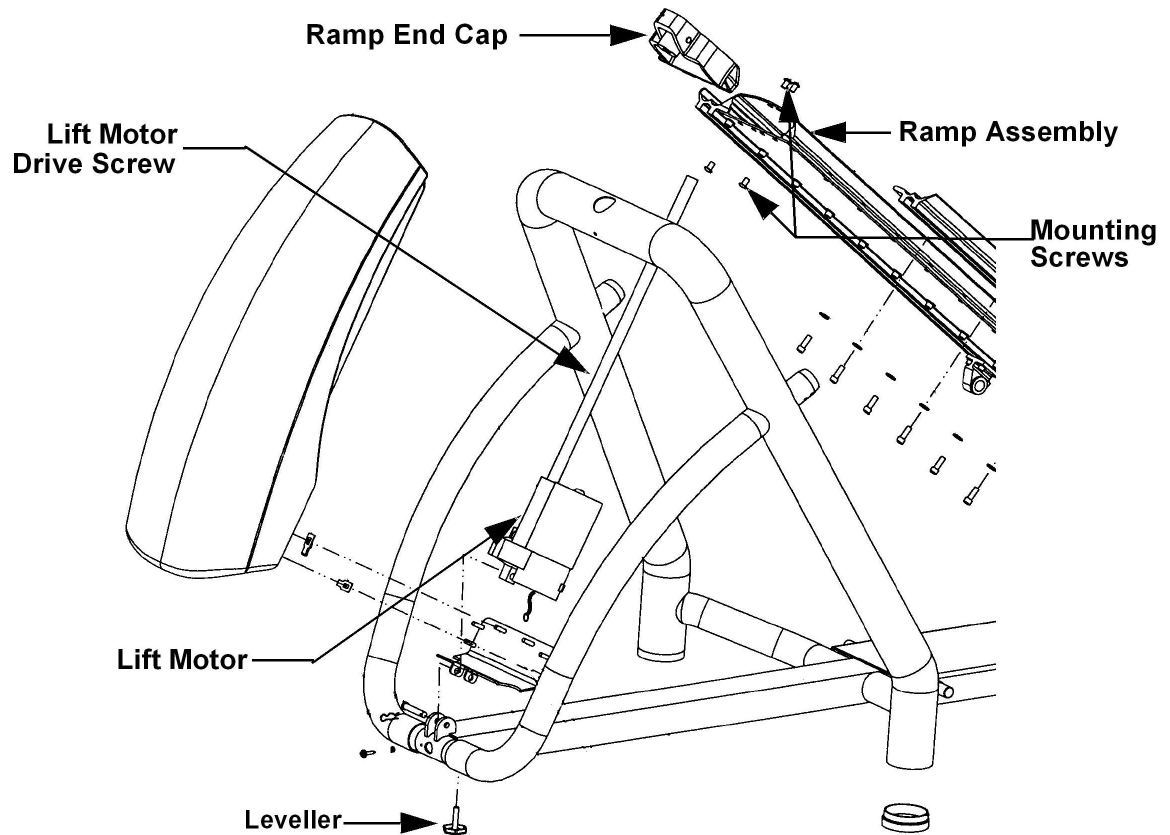
## Procedure 7.11 - Replacing the Lift Motor

### Removing the Lift Motor

**Note:** This procedure references The version 1 & 2 units. The only difference in this procedure is that on version 1, 2 units the lift motor mounts to the ramp via a ramp end cap. Version 3 units lift motors mount to the ramp via a lift yoke. When replacing a lift motor on a version unit substitute the word lift yoke for ramp end cap See Diagram 5.3.

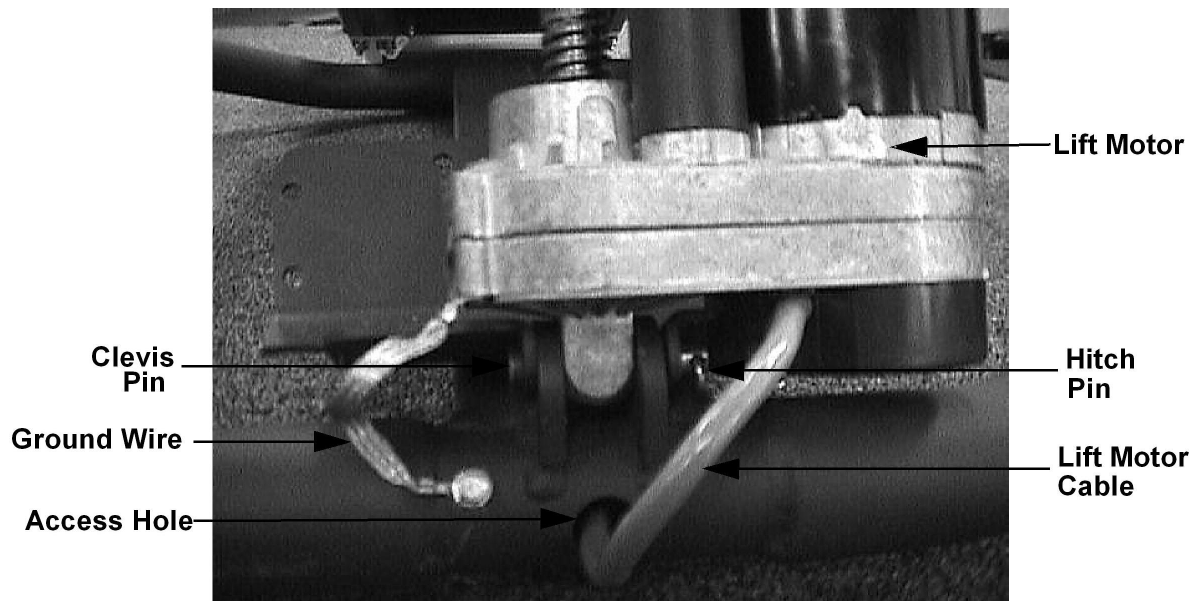
1. Set the on/off switch in the off position. Remove the front cover as described in Procedure 7.1.
2. Remove the four screws that retain the ramp end cap or lift yoke to the ramp assembly. Support the lift motor and ramp assembly as you separate the ramp end cap from the ramp assembly. Lower the ramp assembly until it is resting on the frame. (See Diagram 7.10)

**Diagram 7.10 - Lift Motor Mounting**



3. Unthread the ramp end cap or lift yoke from the lift motor drive screw. On version 1,2 units, unthread and remove the leveller. (See Diagram 7.10)
4. Pull the lift motor cable out of the access hole and disconnect the lift motor cables. (See Diagram 7.11).
5. Remove the hitch pin from the clevis pin. Remove the clevis pin from the lift motor.

### Diagram 7.11 - Lift Motor Mounting



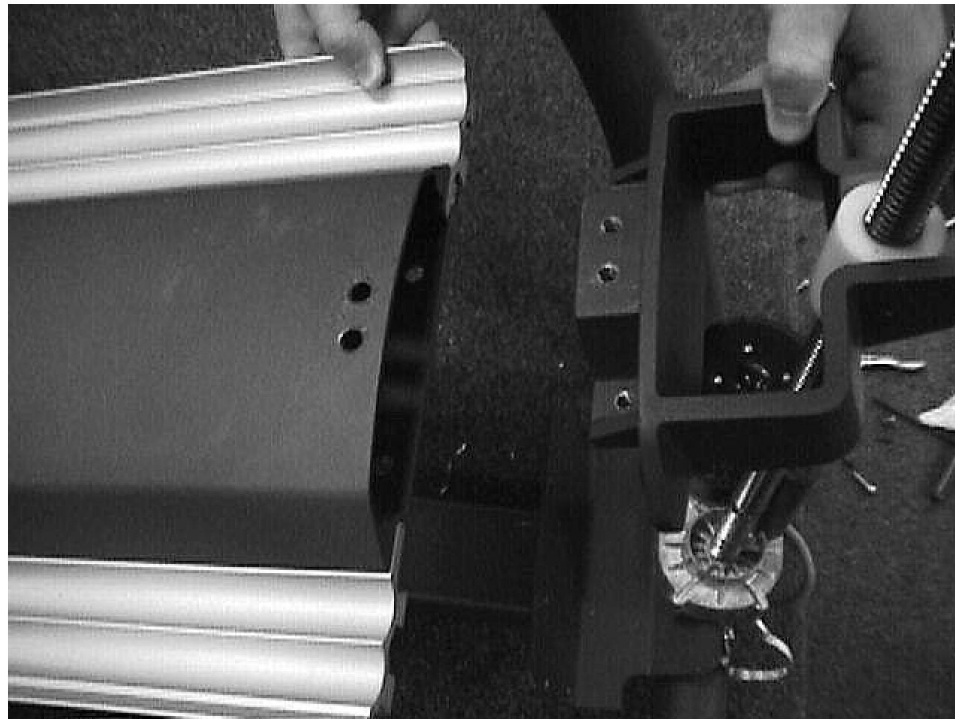
6. Remove the lift motor from the EFX.

### Replacing the Lift Motor

7. Mount the replacement lift motor with the clevis and hitch pins. Thread the ramp end cap or lift yoke onto the lift motor drive screw. Reconnect the lift motor cable and carefully push the excess cable into the access hole. Replace the leveller.
8. Set the on/off switch in the on position. Calibrate the lift motor per Procedure 5.2

9. Set the on/off switch in the **off** position. Do not exit the diagnostic program in the normal manner. Exiting the diagnostic program will cause the lift to self center and invalidate the lift calibration just performed.
10. On version 1, 2 units, raise the ramp assembly to a convenient height and slide the ramp end cap into the ramp assembly. Hand tighten the four ramp end cap mounting screws and then torque them to 100 in/lbs.
11. On version 3 units, raise the ramp assembly to a convenient height and slide the lift yoke into the ramp assembly. Hand tighten the four lift yoke mounting screws and then torque them to 240 in/lbs.

**Diagram 7.12 - Ramp End Cap or Lift Yoke Mounting**



12. Set the on/off switch in the **on** position. Thoroughly test all lift related functions per Section Four.
13. Set the on/off switch in the **off** position, replace the front cover.