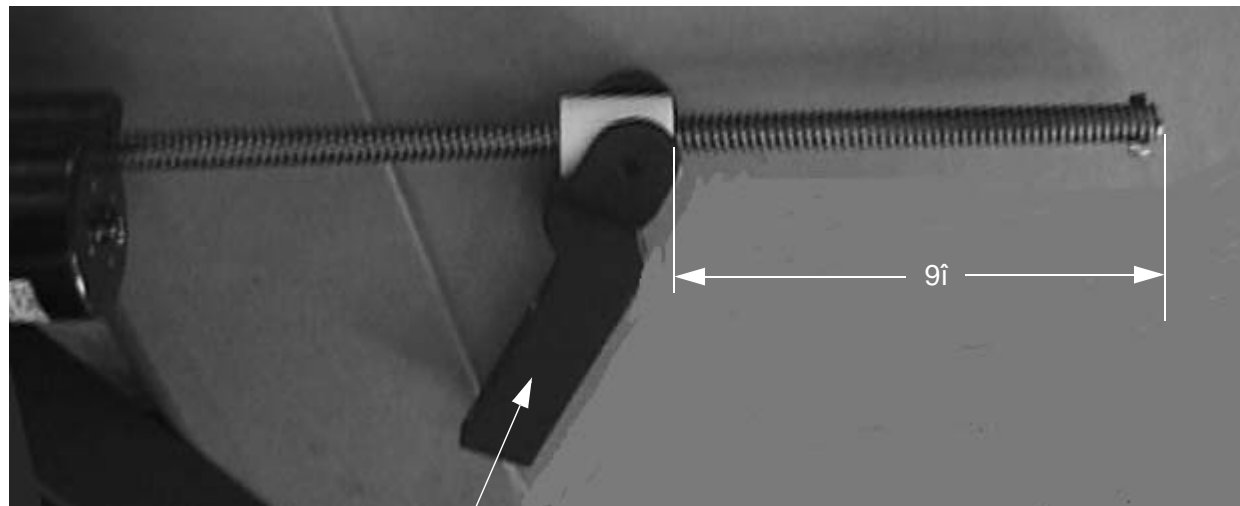


Procedure 5.3 - Calibrating the Lift Motor

1. Remove both front covers.
2. Remove the four screws that fasten the lift motor yoke into the ramp.
3. Carefully, slide the lift motor yoke out of the ramp and lower the ramp until it is resting on the frame.

Diagram 5.4 - Lift Motor Mounting and Calibration



Lift Yoke

4. Access the lift A/D reading via the Lift Test portion of the Diagnostic Program, see Procedure 3.2.
5. With the A/D number displayed set it for a reading of 127 using the **CROSSRAMP ▼** and **CROSSRAMP ▲** keys.
6. Rotate the lift yoke on the lift motor drive screw until the measurement between the top of the lift nut and the end of the lift motor drive screw is 9 inches. See Diagram 5.4. While rotating the lift motor yoke, do not allow the lift motor drive screw to rotate. If the lift motor drive screw rotates, the A/D number will change. The A/D number must be 127 and the physical measurement must be 9 inches for the calibration to be correct.
7. Lift the ramp off of the frame and slide the lift motor yoke into the ramp. Do not rotate the lift any more than is absolutely necessary to align the lift motor yoke with the ramp.
8. Apply a light coating of blue loctite to the four screws removed in step 2. Fasten the lift motor yoke with the loctited screws and torque them to 240 inch pounds.