

Rotate the torque wrench counterclockwise until it is near the mechanism case. With your left hand, hold in on the hold clear armature. While holding the armature, remove the torque wrench. Rotate the wrench clockwise, reinstall onto the motor pinion and grasp securely. Release the armature and once again rotate the wrench until it is near the mechanism case. Repeat this operation 6 times, then allow the wrench to rest on the mechanism case.

Observe the torque reading. Compare the reading with the torque specification for the applied length of gate arm as listed in tables 1 & 2, pages 21 and 22.

If the reading is not within plus or minus 20 pounds of the specification, adjust the counterweights to achieve a reading within specifications.

Loosen the counterweight stud nuts just enough to allow the weights to slide in the weight slots. If the reading is more than specified, move the counterweights away from the roadway. If the reading is less than specified, move the counterweights toward the roadway.

Repeat procedure as required until the scale reading is within the listed specification.

Hold in on the hold clear armature, remove wrench, operate the cam switch to the run position. If necessary, raise the gate by applying finger pressure on contact #2 to power the gate up.

When complete. Remove the torque wrench. Tighten the counterweight stud nuts.

B. Using spring scale PN: 3562-210

Refer to Figure 11, Page 20.
Control the gate to the vertical position.

Attach the 50 lb spring scale between the gate arm and the mast, on a horizontal plane, at "X" distance from the center of the mechanism main shaft. Refer to tables or pages, to determine "X" distance for the length of applied gate arm.

Place the cam switch in the test position and press the EGM reset button. The gate will lower and be restrained by the scale. Note the scale reading and compare with the specification in tables 1 or 2, pages 21 and 22 .

If adjustment is required, loosen the counterweight stud nuts just enough to allow the weights to slide in the weight slot. If the reading is more than specified, move the counterweights away from the roadway. If the reading is less than specified, move the counterweights toward the roadway.

Operate the cam switch to the run position. If necessary, raise the gate by applying finger pressure on contact #2 to power the gate up.
When complete, securely tighten the counterweight stud nuts.