



SERVING THE BUS TRANSPORTATION INDUSTRY  
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## *Care and Keeping of the A&M Systems Door Actuator System*

### Six-month Actuator Maintenance Schedule

1. Lubricate the main gears with white lithium aerosol grease at time of installation of the door system and each 6 month interval.
2. Lubricate all other moving parts with white lithium grease.
3. Inspect the open limit switch actuating tab for proper adjustment. Ensure that it is limiting the operator from driving the doors past 90° open position. Ensure that there is a gap between the bolt assembly on the gears and the gear stabilizer. Adjust as required, see DOC00007 Electric Rigging Instructions.
4. Inspect the operation of the current sensing system built into the motor control board. The red LED must illuminate when the door reaches the fully closed position.
5. Test the Auto Reopen (if equipped). Place a solid non-marring object approximately 12" across in the door travel and close the door. The door should reopen after making contact with the object. Inspect for adjustment and repair/replace as necessary.
6. Inspect for bent push-pull rods; replace as necessary.
7. Inspect entire system for lost motion and worn mechanical components. Replace or adjust as required.
8. Inspect the entire system for loose fasteners or components. Repair as required. See DOC00112 Service Bulletin 3-8-17
9. Inspect for tightness of the set screws binding the actuator arms to the door leaf drive hex. Tighten or replace as needed.
10. Inspect manual release lever for proper operation. Lubricate the shaft running through the center of the body with white lithium grease.
11. With manual release lever pulled inspect doors for smooth unobstructed operation by hand. Repair/Lubricate as necessary.
12. Inspect motor and gears for missing, cracked, and/or broken teeth.
13. Inspect actuator arms for bent or cracked parts. Replace as necessary.
14. Check circuit board operation. See DOC00033 - Quick-Check PC Board Troubleshooting Guide
15. Inspect for frayed, broken, and/or pinched wires. Replace as required.

### Six-month Door Leaf Maintenance Schedule

1. Inspect all door frame mechanical joints for looseness. Tighten as required.
2. Inspect Torque Arm attaching rivets for looseness. Replace as required.
3. Inspect Torque Arm shaft for twisting or distortion. Replace as required.
4. Inspect lower door hinge pivot for any defects and repair or replace as required.
5. Inspect door assembly bolts for corrosion. Replace as necessary.
6. Inspect lower pivot mounting bolts for corrosion and replace as necessary.
7. Inspect door leaf center overlap seal for damage. Clean only with a mild detergent.

For additional detail information please visit our website at: [www.anmsystems.com](http://www.anmsystems.com)