



A&M Systems Electric Actuator Installation

- 1) Clear all debris from actuator mounting area.
- 2) Place assembly on mounting points. Place mounting hardware through the holes in the plate and the mounting surface. Do not tighten this hardware.
- 3) Be sure the actuator is somewhere between 60 – 90% open. If it is not, pull the manual release and rotate the gears until this is case. Be sure the motor is engaged before trying to install a door panel.
- 4) Apply a lubricant and rust inhibitor on the 5/8" hex of the door panel torque arm and the female part of the actuator. This is allow for ease of maintenance throughout the life of the vehicle.
- 5) Install, one at a time, the door panels by inserting the male hex of the door into the female hex of the actuator.
- 6) Once each door is installed, be sure to secure the lower pivot with the fasteners provided (grade 5 or better).
- 7) If the motor is engaged, pull the manual release and be sure the door moves freely open and close.
 - a. Note: if the door is fully open you will need to pull the aft door to begin to close the system. If the door is fully closed, you will generally hear a slight popping noise that is a relief of pressure exerted by the system during the tight closing of the door. This is normal operation.
- 8) From the coach harness or using A&M Wire set W3131, plug wires into the control board. All other wiring for correct operation of the system is already complete at A&M Systems' factory.
- 9) Making sure the entry and surrounding area is clear, open and close with door with the dash switch. The electric actuators are pre-rigged at A&M Systems' factory. Improper handling, installation, and inconsistencies in the coach build may require subtle adjustments in the mechanism. This adjustments should be minor, any major adjustments of the system indicates a larger issue that needs to be addressed with A&M Systems.
- 10) If equipped, be sure to test the Auto Reopen system on an inanimate object (such as a chair) for functionality and proper installation.
- 11) Lubricate 5" gear teeth with white lithium grease.
 - a. Note: Take care not to coat the electrical connections, wires, or other parts (especially plastic parts) unless you use proper lubrication intended to be used with such materials.
- 12) Once the door is properly adjusted and working according to specifications, any other accessories such as the touchpad or wireless remote system can be added and tested further.
- 13) Refer to DOC00037, DOC00067, and DOC000139 for more information.