

MODEL 5221 ROD END/JAMB NUT/SPACER REPLACEMENT GUIDE

Steps:

1. Remove front cover.
2. Shut off power to the unit and remove the finger guard.
3. Remove the two screws that hold the printed circuit board (PCB) assembly to the frame; then, keeping the wires intact, pull the assembly towards you so that there is working room to get to the actuator and disconnect the rod end.
4. Loosen the jamb nut so that the damaged rod end can be unscrewed from the end of the actuator.
5. Re-attach the rod end to the arm assembly. The shoulder bolt should be installed with two of the nylon washers below the rod end and three nylon washers on the top -- this is then sandwiched in the end of the arm. Star washer and nut secures rod end assembly to the arm. The actuator arm assembly is now ready to be "timed in".
6. To "time in," rotate the barrel clockwise so that the barrel is tight against the cast housing of the actuator (no threads will be showing on the actuator screw gear).
7. Rotate the barrel away from actuator base exposing the threads on the screw gear
 - a. For a left hand unit, turn the barrel away from the actuator base (CCW) three full turns.
 - b. For right hand unit, turn the barrel away from the actuator base (CCW) two full turns.
8. Line up the threads of the rod end to the threads of the actuator barrel and begin threading the barrel onto the rod end (the barrel will be moving away from the actuator base).
 - a. Note, as the barrel is threading onto the rod end, the arm will be retracting into the frame and may seem more difficult to turn.
9. At this point the arm will start to move out, even though you are still turning the barrel away from the actuator base. Once the arm is flush with the outside of the frame, you are ready to tighten the jamb nut against the barrel.
 - a. If the arm reverses before it has properly retracted into the frame, repeat step 8, increasing barrel turn about 1/2 turn (CCW).
 - b. If the arm comes in too far and jams against the actuator barrel before reversing direction, decrease barrel turn about 1 /2 turn (CW). It is important to use a few drops of Loctite to secure the jamb nut.
10. Reinstall the PC Board assembly.
11. Power the unit and signal the operator to open the arm to its full open position (should be about 107 degrees for a jamb mount unit).
12. Shut off the power and reinstall the finger guard.
13. Now power up and let arm cycle closed to be sure the "timing" step was performed properly.
14. Reinstall front cover.

If troubleshooting is required, call the 24/7 technical support line while on-site, or to schedule a call: 800-344-0088 ext. 3. Someone must be on-site ready to walk through steps with our technician in order to properly troubleshoot. Leave a voicemail if there is no answer. We will call you back at our next opportunity.