

Drive Screw Mount Replacement

This repair will require removal of the unit from its mounting hardware and repairs made on a bench or floor. Refer to your Owners Manual and/or Installation Poster for proper assembly and carefully read and understand all warnings and cautions pertaining to your unit.



WARNING

BE SURE ELECTRICAL POWER HAS BEEN DISCONNECTED FROM THE INPUT POWER LINES PRIOR TO REMOVING THE MOTOR COVER.



WARNING

ANY AND ALL REPAIRS MADE TO THIS UNIT MUST BE PERFORMED WITH THE DOOR DISCONNECTED FROM THE OPENER AND IN THE CLOSED POSITION.

1. Pull Emergency Release Cord on Carriage to disengage Opener to close door if necessary. (If unable to lower door using Opener, use extreme caution manually closing door. Before pulling Emergency Release Cord, make certain people and objects are clear of door opening.)

NOTE: The closer the Carriage is to the Door end of the Rail the easier it will be to replace. If possible, run operator all the way to the Down Limit travel before disassembly.

2. Unplug Opener Power Cord from power receptacle.
3. Open Lens Cover by pressing middle tab inward and remove Light Bulbs. FIG. 1. (See reverse side)
4. Remove Wall Control and Safe-T-Beam wires from Terminal Block located on side of Opener FIG. 2. Use small common screwdriver to press in on orange tabs while gently pulling wires from block. Mark wires to help facilitate replacement.
5. Remove Network and Battery Backup Harnesses from front of Opener (if applicable).
6. Remove the Cotter Pin & Clevis from Door Arm to separate door from Opener. FIG. 3.
7. Remove Motor Head and Rail Assembly from mounting brackets and set on a clean work surface or floor.

NOTE: Be aware of the Motion Detector Bulb on bottom of Powerhead Cover. Do not set operator weight on this bulb FIG. 4.

8. Remove the 6-7/16" self tapping bolts from the Rail/Motor mounting straps and pull Rail from Motor Head. FIG.4. Flip Rail upside-down on a flat clean surface with sufficient room to pull Screw Assembly from Rail.
9. Using a small common screwdriver, remove E-ring at Motor end of Bearing Block FIG. 5.
10. Slide Bearing Block towards Motor end of Rail to remove FIG. 5.
11. Remove second E-ring FIG. 5.
12. Push Drive Screw forward (door end) until Drive Screw is exposed out of the Rail FIG. 6
13. Pull Drive Screw out of the Rail just until the Carriage can be removed and set Carriage parts aside. FIG. 6.
14. Continue to pull Screw Assembly out of Rail being careful not to bend Screw.

NOTE: Special care should be taken on Pro two piece and Retail Model Rail Assemblies as to not dismantle, bend or break couplings between Screw sections.

15. To replace the Screw Mounts, simply turn Mount 90 degrees and remove. Replace in opposite fashion. FIG. 8.
16. Install Drive Screw back into the Rail Assembly stopping when only a few feet of Drive Screw is still exposed.
17. Install Rack Spring (FIG. 7-B) into grooves on the inside of Rack (FIG. 7-A) and carefully install into Carriage (FIG. 7-C) as shown.
18. While holding Rack, Spring, and Carriage together, lay Assembly against Drive Screw and hold in place.
19. While holding Carriage Assembly against Drive Screw, slide Drive Screw and Carriage back inside Rail.
20. Push Drive Screw Assembly fully forward until you can assemble Bearing Block.
21. Install forward (door end) E-ring.
22. Slide Bearing into forward (door end) side of Block and slide into place against E-ring FIG. 5.
23. Install Motor end Bearing and secure assembly with E-ring FIG. 5.

NOTE: The Slotted side of the Bearing Block MUST face towards top of Rail. This is the slot for the Mounting Flange that holds the Rail to the Motor head.

24. Install Rail to Motor Head Assembly using Coupler, Mounting Flange and 6-7/16" self tapping screws. FIG. 4.
25. Reinstall Opener Assembly in reverse order as removed. Reference your Owners Manual and Installation Poster.
26. Install Wall Control and Safe-T-Beam wires. Install Battery Backup and/or Network Harnesses if applicable.
27. Install Light Bulbs and close Lens Cover.
28. Install Clevis & Cotter Pins from Door Arms to Shuttle.
29. Move disconnect lever on Shuttle to the upwards position and operate Door until Shuttle connects with Carriage inside rail. These two will lock together.
30. Plug Opener in.
31. Clear and reprogram Limit Controls per Owners Manual.

FIG. 1.

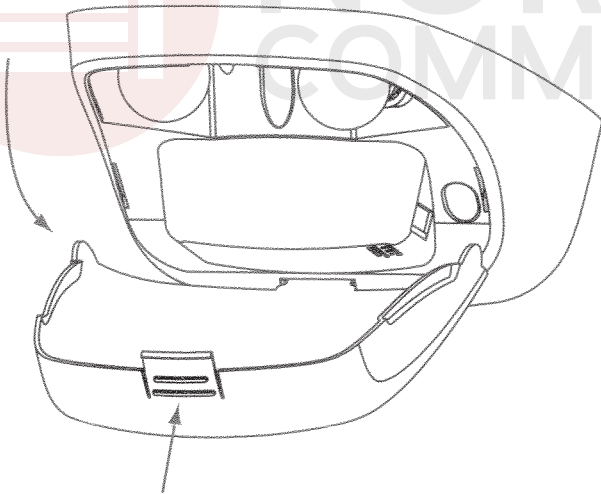


FIG. 2.

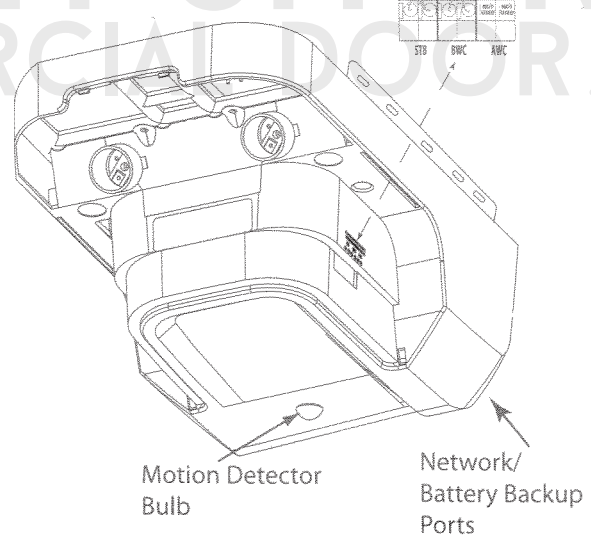


FIG. 3.

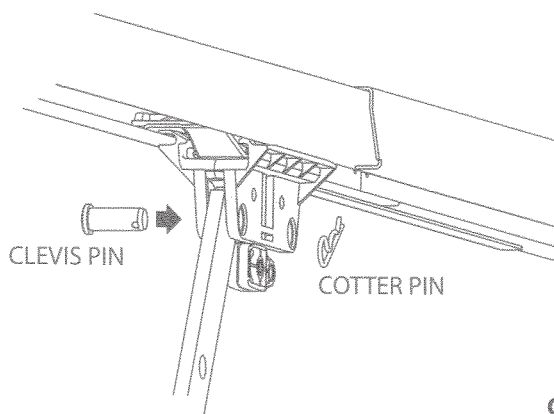


FIG. 4.

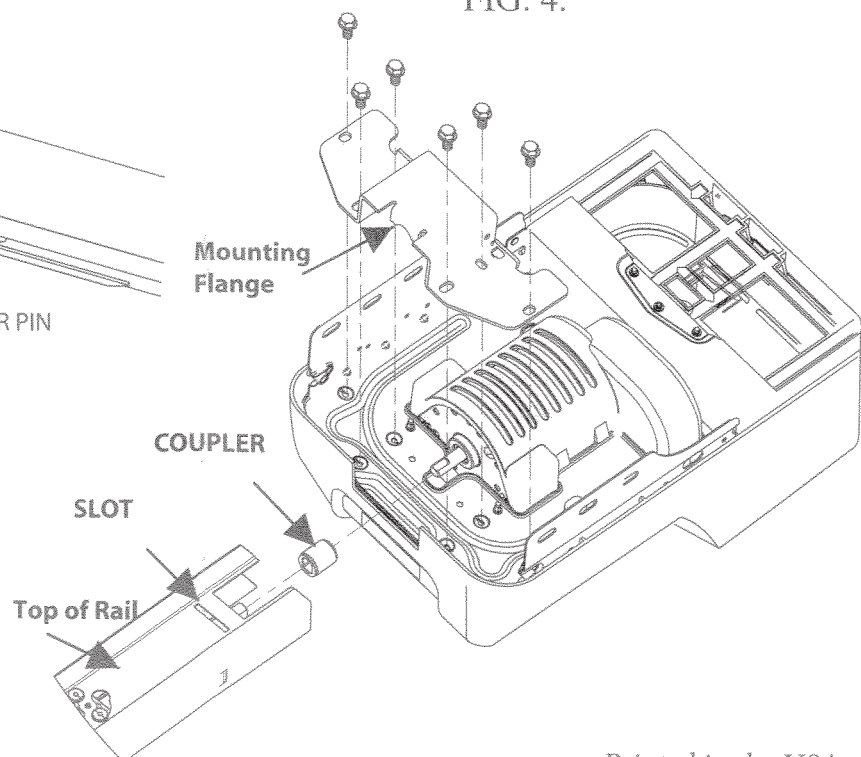
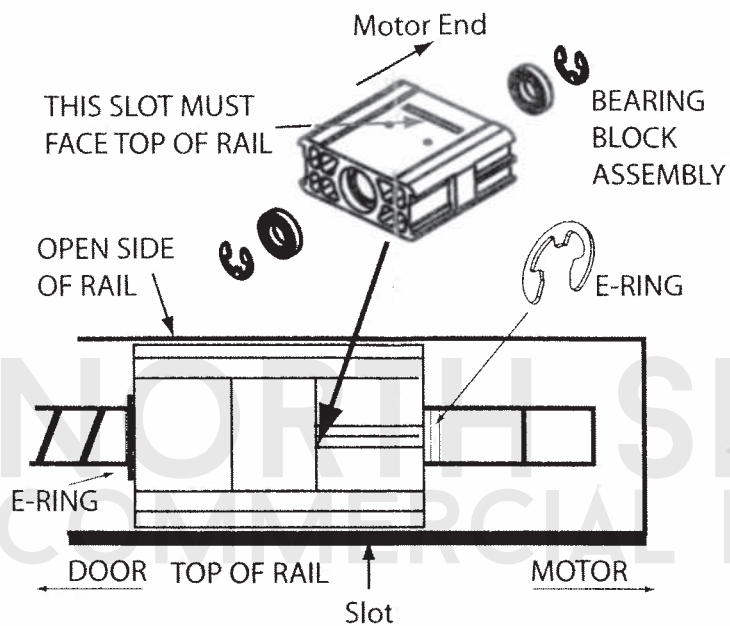


FIG. 5.



SLIDE BLOCK TOWARDS MOTOR
END OF RAIL TO REMOVE

FIG. 7.

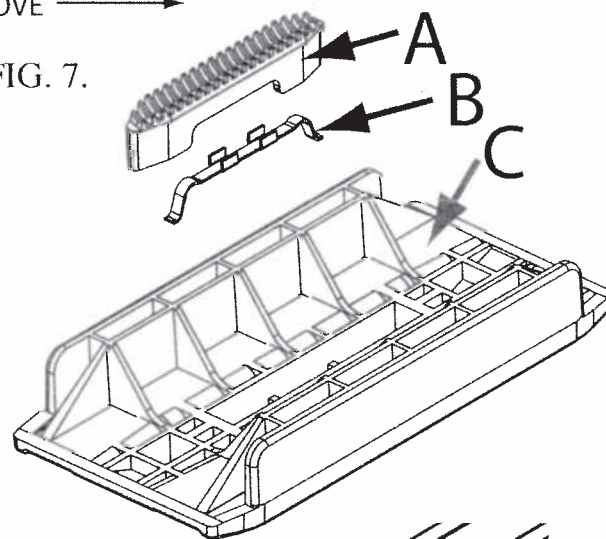


FIG. 8.

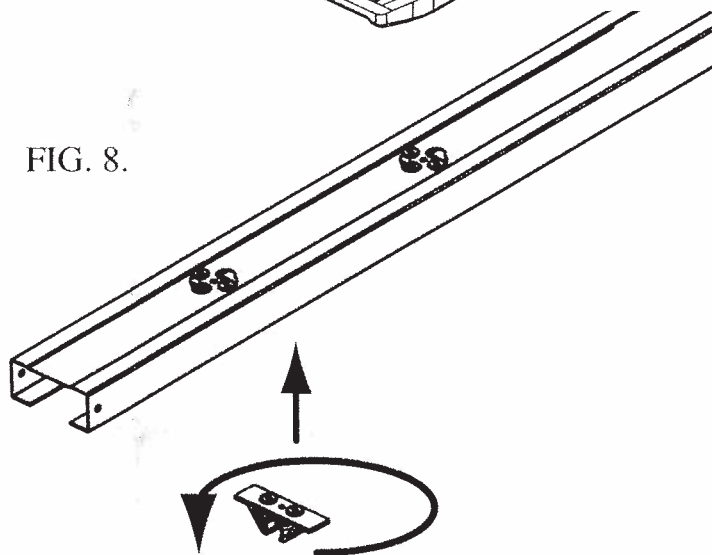


FIG. 6.

