

FSD36FA and FSD60FA ACTUATOR REPLACEMENT AND WIRING ACCESSIBILITY OPERATIONS INSTRUCTIONS SUPPLEMENT

APPLICATION

Front access combination fire smoke dampers under 14" (356) in width have a 4" (102) wide actuator cabinet. The area within the cabinet to access the actuator for replacement or field wiring is limited. The following instruction describes the process to be followed.

INSTRUCTION

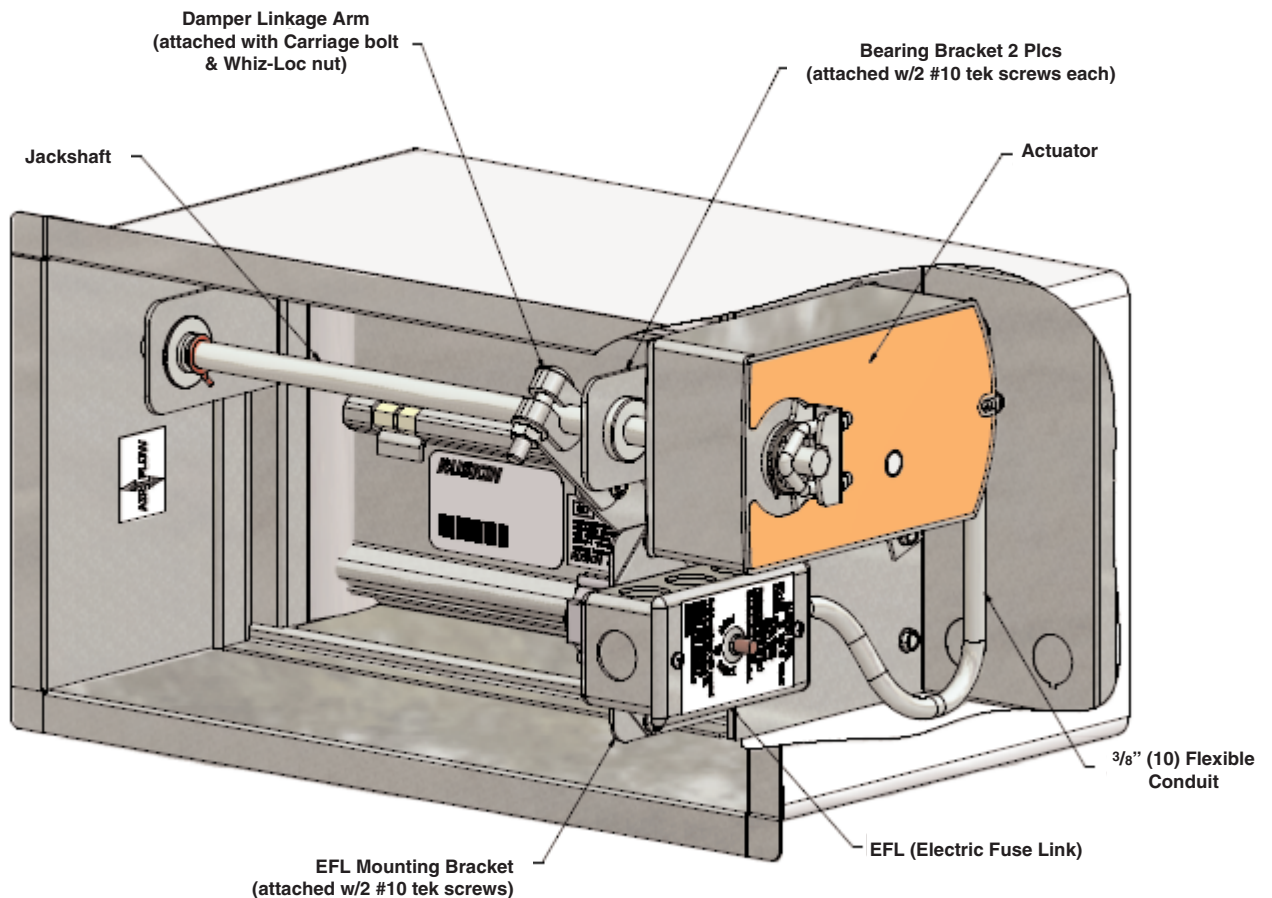
Actuator Assembly Removal

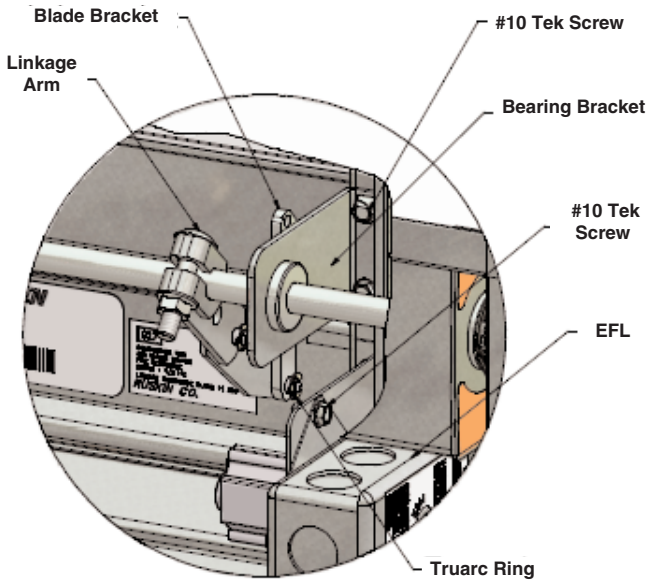
1. Disconnect the power to the EFL (Electronic Fuse Link).
2. Loosen the bolt on the linkage arm.
3. Remove the truarc ring connecting the linkage arm to the blade bracket.
4. Remove the screws from the bearing brackets and the EFL bracket.
(The complete jackshaft assembly with the actuator and EFL will slide out of the cabinet.)

To Reinstall the Actuator Assembly

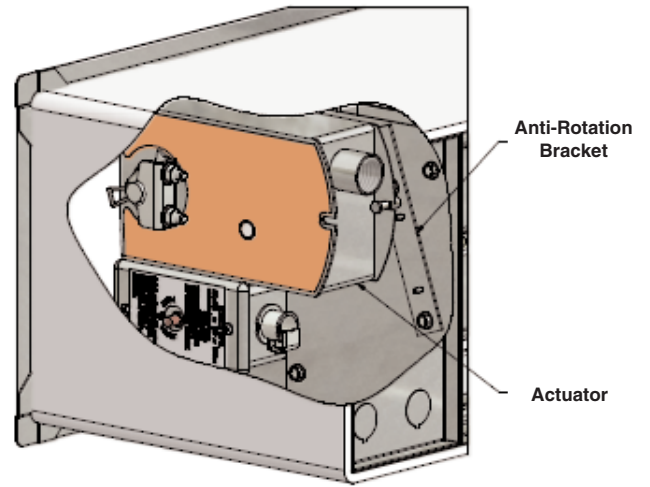
1. Make sure the actuator clamp is tight on to the jackshaft.
2. Slide the jackshaft assembly with the actuator, bearing brackets and the EFL attached to the damper housing.
Caution: when sliding the assembly into the cabinet, make sure the actuator slides onto the pin on the anti-rotation bracket.
3. Replace all the screws into the bearing brackets and EFL.
4. Attach the linkage arm to the blade bracket and re-install the truarc ring.
5. Tighten the bolt on the linkage arc.
6. Reconnect the power.
7. Cycle the damper to verify the damper opens and closes.

Note: Dimensions shown in parentheses () indicate millimeters.

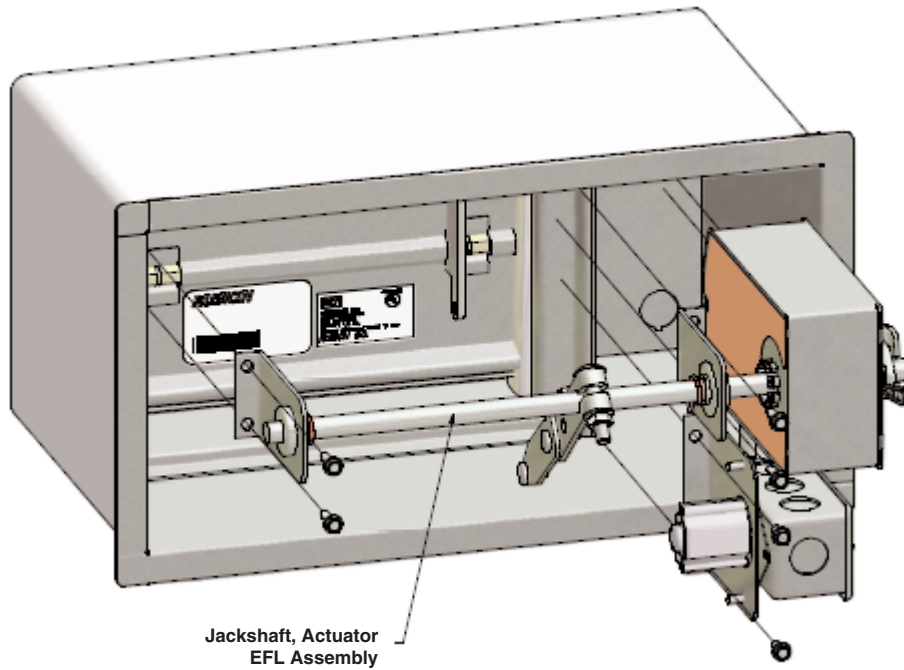




Linkage, Bearing Bracket and EFL Detail



Anti-Rotation Strap Detail



Removal and Installation Detail