

Installation, Operation and Maintenance Manual

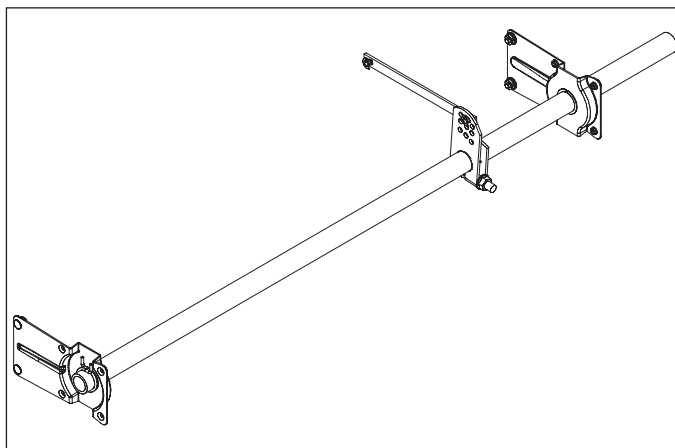
Please read and save these instructions for future reference. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with these instructions will result in voiding of the product warranty and may result in personal injury and/or property damage.

Refer to:

“Mounting Kit for Actuators used on Control Dampers”
(Part No. 479869)

These instructions shows you how to install a jackshaft assembly on a control damper (VCD series)

1. Jackshaft accessory kit will arrive pre-assembled.



2. Determine the location where the blade jackshaft will be mounted (first or third blade). Note pre-punched holes in the jamb. Drill holes in blade according to **Figure 1**.

BRACKET MOUNTING HOLE
LOCATIONS FOR ALL BLADE STYLES

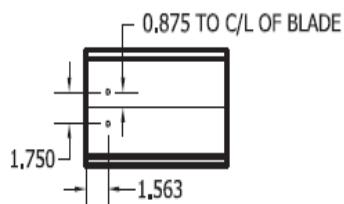


Figure 1: Bracket Mounting Hole Location

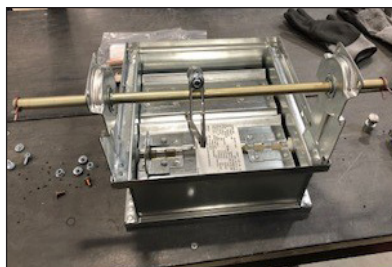


Blade Type	Drilled Hole Diameter
3V	0.203 inch
Aluminum Airfoil	0.281 inch
Steel Airfoil	None - holes predrilled

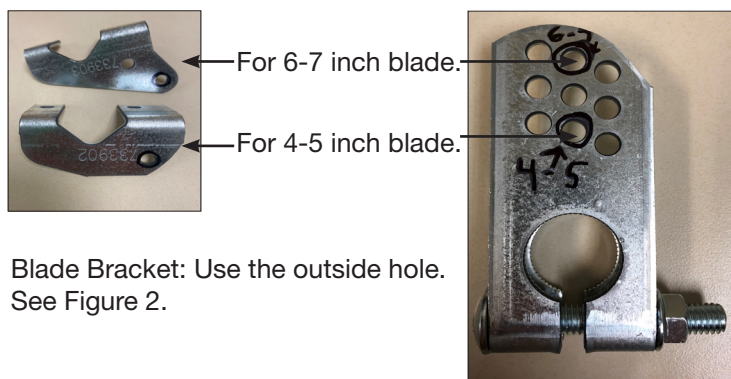
3. Screw or bolt blade bracket to the blade. Be sure that the blade bracket is centered on the blade (Figure 1). See table for drill diameter.



4. Nut and bolt jackshaft bracket to damper frame using pre-punched holes shown in the second photo. Repeat the steps for each section of damper.



5. Attach the drive link to the blade bracket using e-clip. Adjust link from blade bracket into pre-drilled hole on crankarm. Crankarm bolt may need to be loosened. Blade size will determine proper hole location. See **Figure 2** for drive link placement.



Blade Bracket: Use the outside hole. See Figure 2.

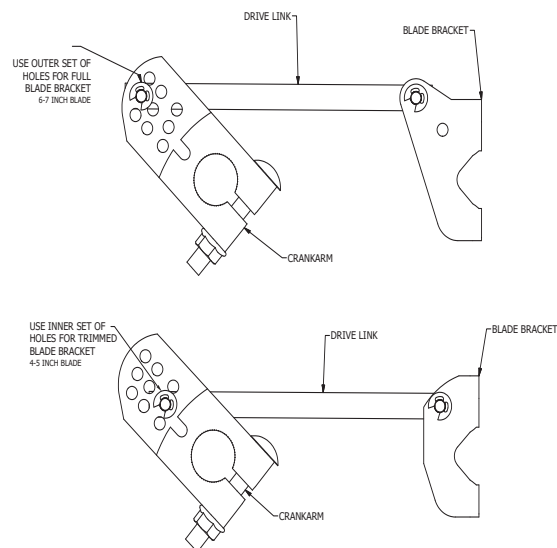
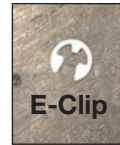


Figure 2: Drive Link Placement on Crankarm

6. Attach the drive link to the crankarm using e-clip. See crankarm image and blade bracket image below for drive link location.



7. Fully open all damper sections making sure crankarms are firmly rotated toward the blade to eliminate any slack in the linkage. Tighten all crankarms.



8. Finished product.



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