

The following installation details apply to models **AC-41, AC-42, AC-45, AC-46, AC-51 and AC-52**

Application

Care should be taken when handling the Jackshaft Kit so as not to lose any of the loose parts and hardware. This Jackshaft Kit is designed to enable the user to install a jackshaft on a AC-41/42, AC-45/46, AC-51/52 Pottorff control dampers, even after said damper is installed in a wall/partition. Improper installation of the jackshaft kit can lead to property damage, injury, or death. Please read these instructions thoroughly before installing the jackshaft kit.

Standard Construction

Material: Galvanized Steel

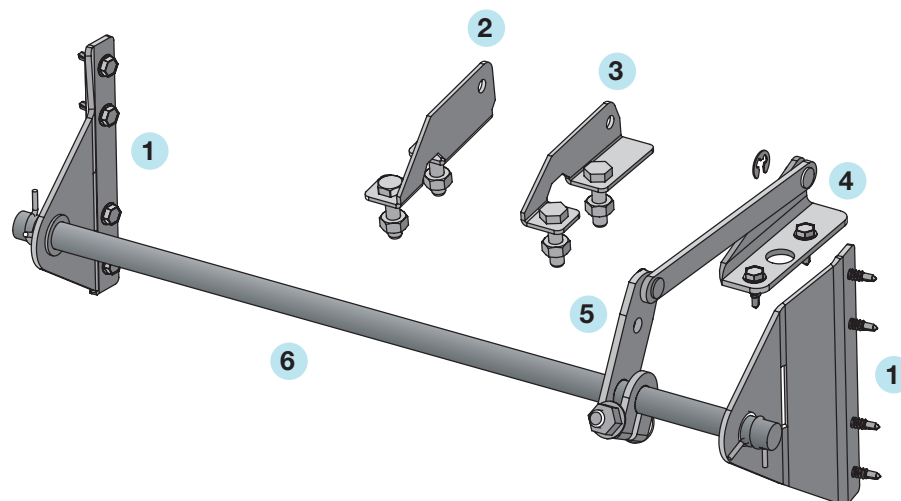
Shaft Size: 1/2"

Product Detail

1. Jackshaft Bracket
2. 3V Drive Blade Bracket
3. Aluminum Airfoil Drive Blade Bracket
4. Steel Airfoil Drive Blade Bracket
5. Linear Linkage
6. Jackshaft

Options

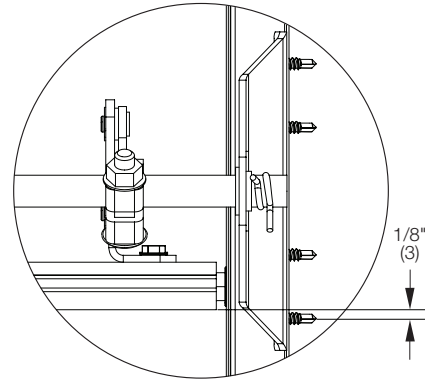
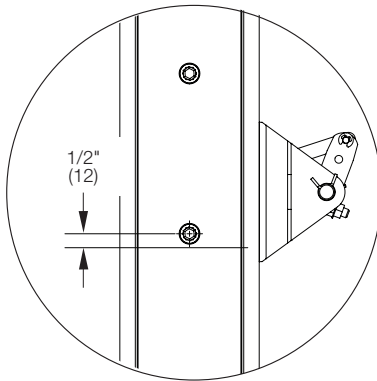
- 304 Stainless Steel



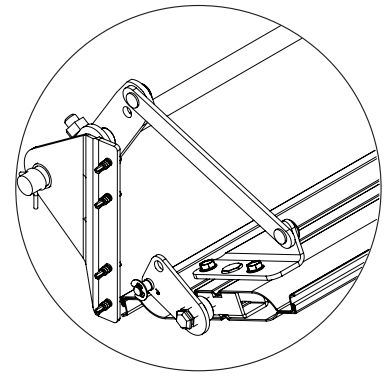
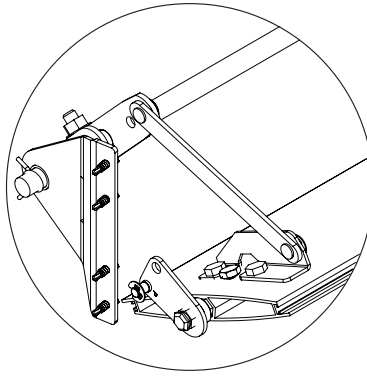
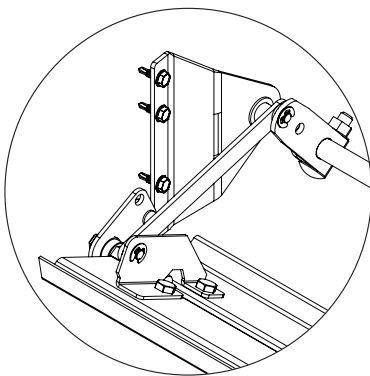
Jackshaft Kit Field Installation

Jackshaft Kit Installation Instructions

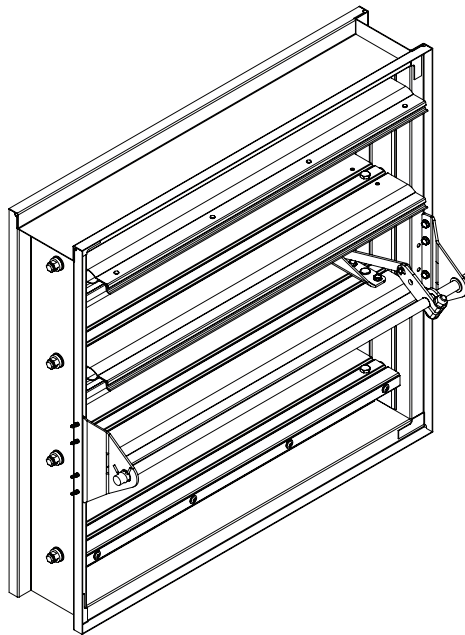
1. Make sure all parts are accounted for. This kit includes Drive Blade Brackets for the 3 blade types covered by this kit. See Figure 1.
2. Identify the drive blade. The drive blade will be labeled for easy identification.
3. Measure and mark 1/2" down from the center axis of the drive blade axle and place a mark. See Figure 2. If there is no visibility to the drive blade axle, measure and mark 1/8" down from the bottom of the drive blade (Make sure the damper blade is fully open when taking this measurement). See Figure 3. Take one of the Jackshaft Brackets and place it against the hat channel frame with the four holes up against the frame flange. The Jackshaft Bracket should bend in towards the center of the damper, as shown in the image below.



4. Align the bottom hole of one Jackshaft Bracket with the mark placed 1/2" below the center axis of the drive blade and install one of the Tek screws supplied. See Figure 2.
5. Ensure that the Jackshaft Bracket is still firmly pressed up against the damper frame, fully seated into the corner and install the remaining screws for the Jackshaft Bracket.
6. Repeat the process for the other Jackshaft Bracket.
7. Take the Drive Blade Bracket and center it on the right-most bolt in the drive blade. If the blades are the 3V or Aluminum Airfoil style (Figures 4 or 5), pre-drill through the Drive Blade Bracket and the blade using a 1/4" diameter drill bit, then run the nuts and bolts supplied to attach the bracket to the blade as shown in the image below. If the blades are the Steel Airfoil type (Figure 6), use 2 of the supplied Tek screws instead of the nuts and bolts.



8. Take the Jackshaft and run it through a Jackshaft Bracket, then the Linear Linkage, and then the other Jackshaft Bracket.
9. Connect the Linear Linkage to the Drive Blade Bracket, using the included E-Clip.
10. Attach the 2 hose clamps to the outside ends of the Jackshaft.
11. Take the 5/16" Carriage Bolt and flanged hex nut and place them in the Linear Linkage. Tighten the carriage bolt and nut securely to lock the linkage down to the Jackshaft.



12. Verify that the blades actuate properly, as demonstrated by the below images. See Figures 8 and 9.

