

Installation Guide

Mounting

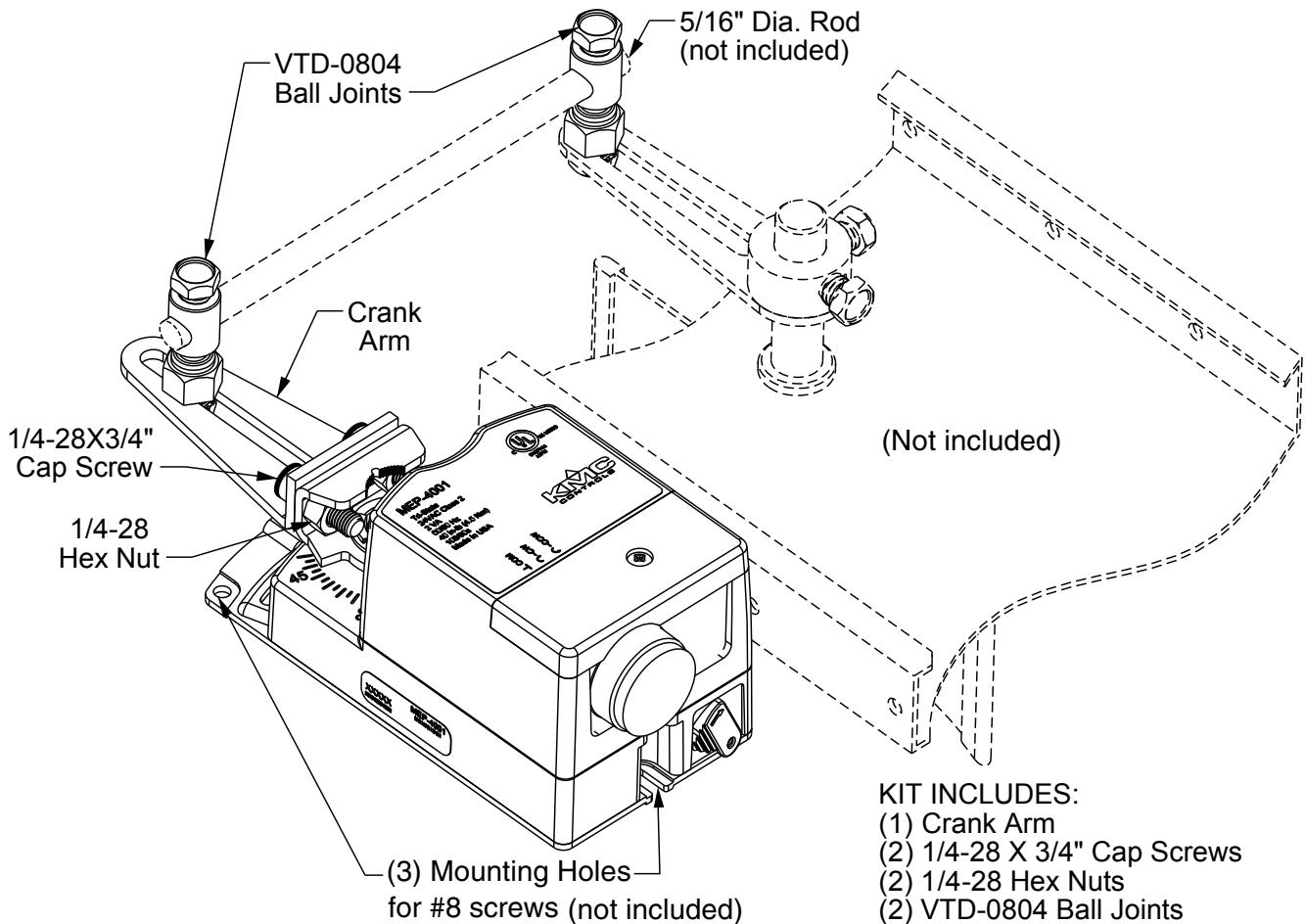
1. From the MEP-4xxx actuator, remove and discard the V-bolt.
2. Assemble and install the kit and actuator as shown in the diagram below.

NOTE: In general, **position both the ball joints as close to the end of the crank arms as is feasible** for the application. Positioning a ball joint in the slot closer to the shaft will change the torque, rotation speed, and/or angle of rotation—which may be useful for some applications.

NOTE: **Check for potential issues** such as binding of the linkage or damage caused by the actuator still rotating when the damper (or other application) is already closed.

NOTE: See the Accessories section for an **auxiliary crank arm** if the damper or other equipment does not have one already installed.

NOTE: For much more information about installing MEP-4xxx actuators, see the **MEP-4xxx Applications Guide** on the KMC web site (www.kmccontrols.com) as well as the relevant installation guide.



Maintenance

Under normal conditions, no routine maintenance is required. In harsh environments, however, periodic lubrication of the ball joints may be necessary.

Each component is designed for dependable, long-term reliability and performance. Careful installation will also help ensure long-term reliability and performance.

Accessories

Auxiliary Crank Arms



- VTD-1403* Short slotted, for 3/8" shafts
- VTD-1404* Short slotted, for 1/2" shafts
- VTD-1405* Long slotted, for 1/2" shafts
- VTD-1406* Long slotted, for 3/8" shafts

*NOTE: In the VTD-1403/1404 short crank arms, a ball joint can be adjusted from 3/4 inches (minimum) from the center of the shaft to 2-7/8 inches (maximum) from the center. In VTD-1405/1406 long crank arms, the maximum is 4-5/8 inches.



- VTD-1414 Three-hole, for 3/8" shafts
- VTD-1415 Three-hole, for 1/2" shafts

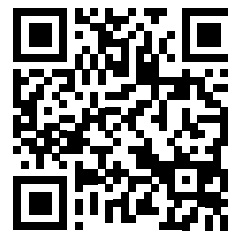
Replacement Ball Joints



- VTD-0804 Ball joint for side-mounted 5/16" diameter rods (1/4-20 male mounting stud with locknut)

More Information

For additional information about installing MEP-4xxx actuators, see the [MEP-4xxx Applications Guide](#) on the KMC web site (www.kmccontrols.com) as well as the relevant installation guide.



Important Notices

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