

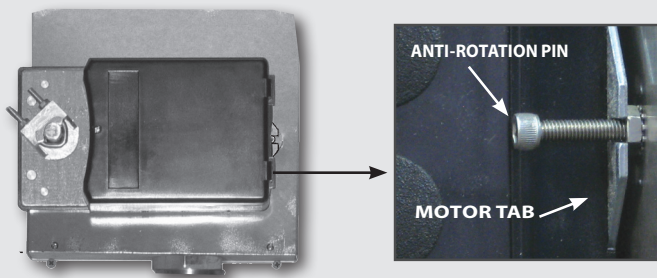
# Removing AMURACT for ARIA replacement

- Isolating an AmurAct Control Valve
- Removing the AmurAct Actuator

AmurAct\_Aria Replacement\_NoRev\_0617

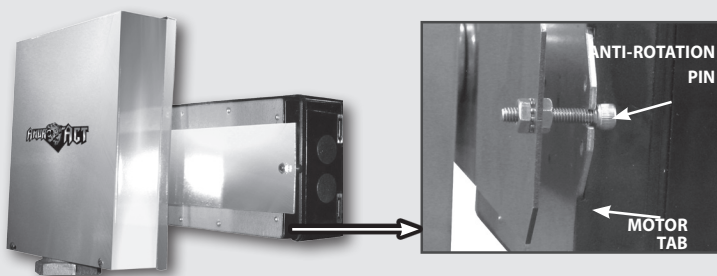
92500144 NoRev

## STANDARD (LS) LINKAGE



An anti-rotation pin engages a slotted tab at the foot of the motor to allow alignment of the motor as its shaft clamp rotates. The pin (screw) threads into a boss on the linkage base and is retained by a locking nut.

## HIGH TEMPERATURE (LE) LINKAGE



An anti-rotation pin engages a slotted tab at the foot of the motor to allow alignment of the motor as its shaft clamp rotates. The pin (screw) passes through the "Hi-Temp Motor Mounting Bracket, and is retained by "KEP" nuts on either side of the sheet metal.

## REMOVE THE AMURACT MOTOR

**1** Isolate valve in piping and remove pressure from the AmurAct control valve. If the control valve is not isolated, line pressure can open the valve and move the linkage when the motor is removed.

**2** Turn off power to the motor and controller.

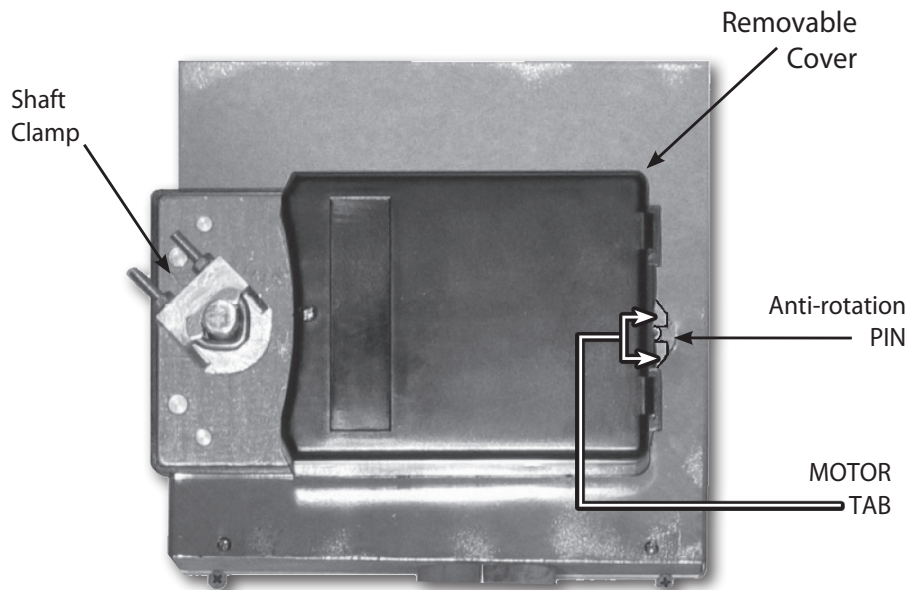
**3** Each motor contains an internal *Enerdrive*® energy source to run the motor to a fail-safe valve position if operating power is lost. Remove the black motor cover and dissipate Enerdrive energy by cycling dipswitch #2 in 20-second intervals until the motor no longer runs.

**4** Remove power and signal wires from motor.

**5** Remove the front safety shield by removing the two screws from the lower edge of the AmurAct linkage.

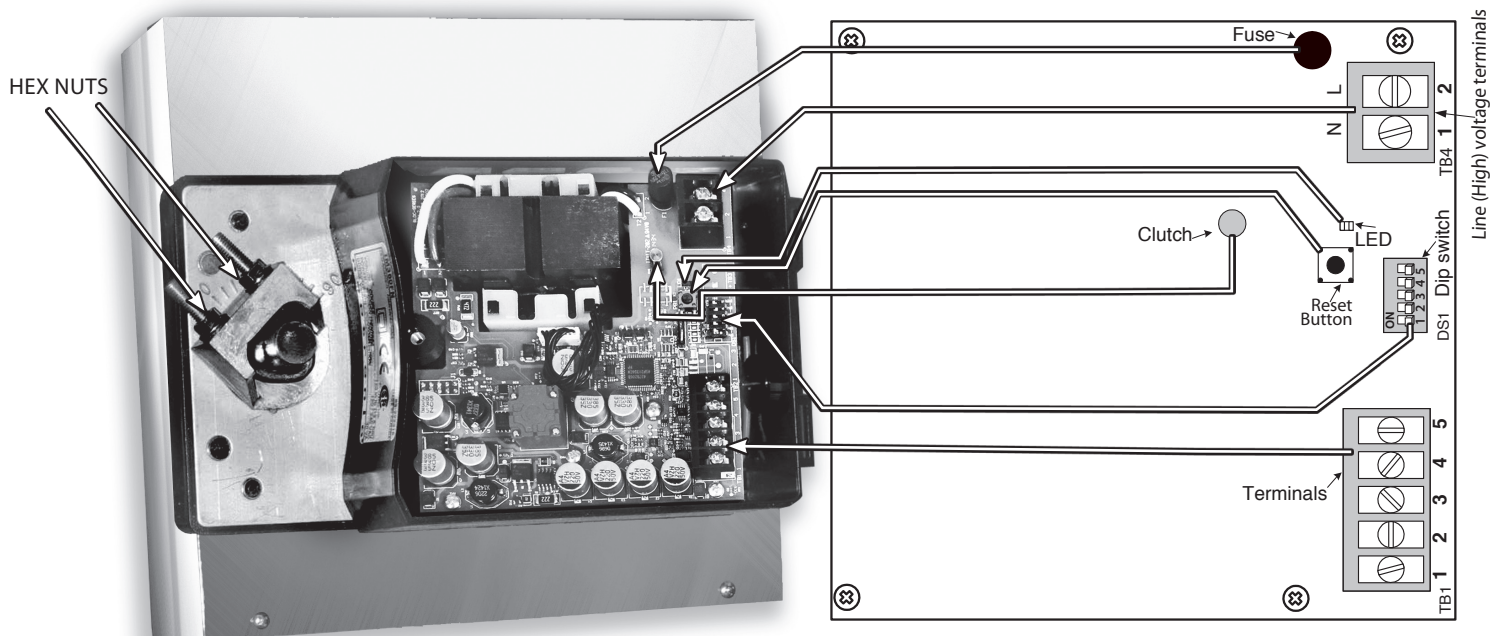
**6** Loosen the two 10 mm hex nuts on the motor output clamp u-bolt. This is best done with a long socket or box end wrench. Nuts are very tight. (It may also be necessary to loosen the kep nut and loosen or remove the anti-rotation pin located at the foot of the motor.)

**7** Remove the motor.



### Motor

View of Standard linkage (LS) assembly



## REMOVE THE AMURACT LINKAGE

### REMOVE THE AMURACT LINKAGE (all versions)

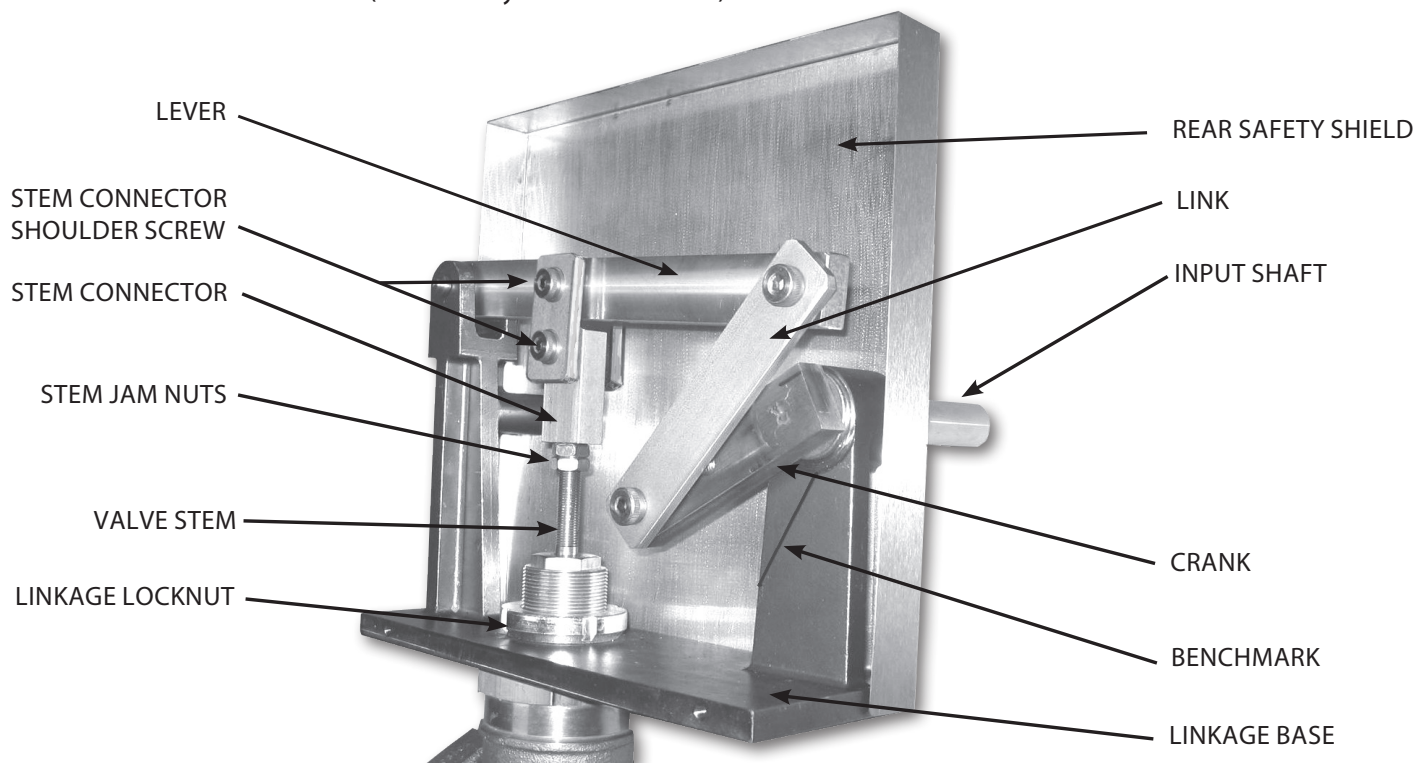
1. After the motor has been removed and with the line isolation valves securely shut, facing the linkage manually rotate the crank clockwise to release stem force.
2. Remove the upper shoulder screw, nut and washer from the stem connector. (3/16" Allen Hex)
3. Using a drift pin or blunt chisel and hammer, loosen and remove the linkage locknut counter-clockwise that secures the linkage base to the threaded valve bonnet. Lift the entire AmurAct linkage assembly from the bonnet.

**NOTE: Care must be taken to avoid rotating the valve plug while it is in contact with the valve seat to avoid damaging the valve's seating surfaces.**

4. Hold the stem jam nuts to keep the valve stem from turning then remove the stem connector. Loosen the jam nuts.

### AmurAct Linkage

(front Safety Shield Removed)



**REFER TO THE ARIA IOM FOR INSTALLATION OF ARIA ACTUATOR**



# Procedure & Instruction

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