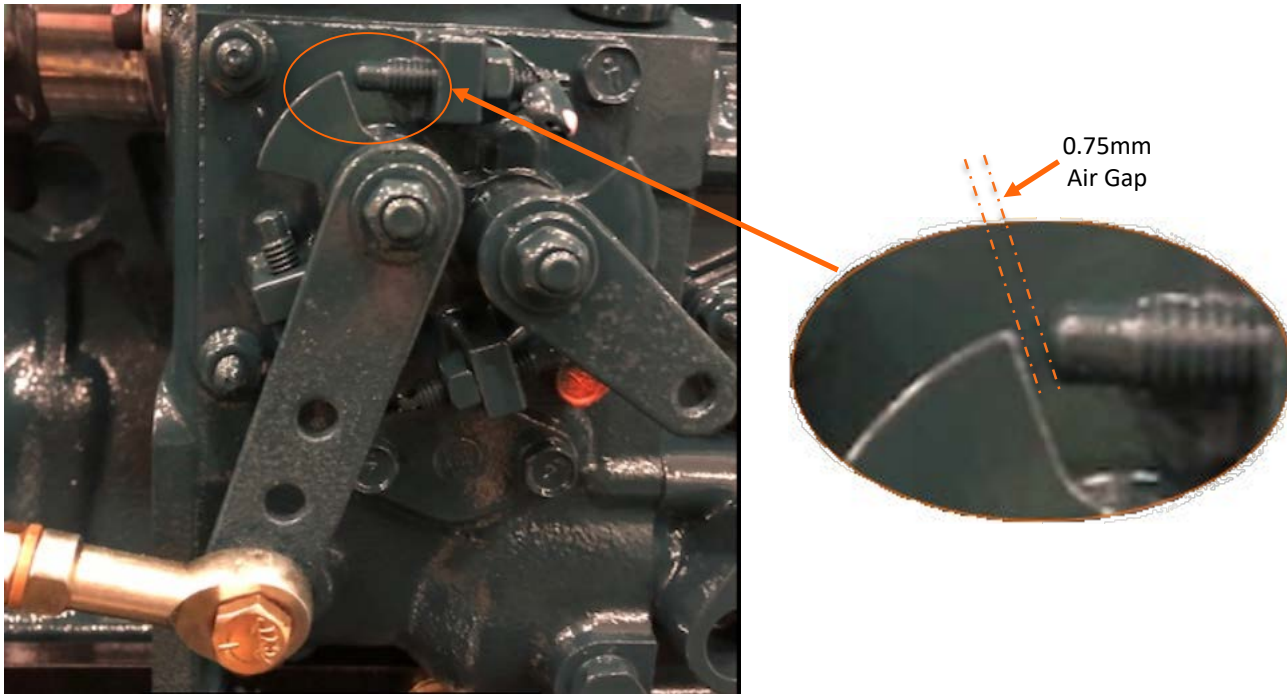


330/430/530 LRT Throttle Actuator Installation Guide

PROPER AIR GAP SETTING

- WHEN ACTUATOR SOLENOID IS ENERGIZED, PLUNGER MUST BE FULLY SEATED TO PREVENT COIL BURNOUT
 - 0.75mm gap must be present between the throttle arm and high idle stop which allows plunger to be properly seated

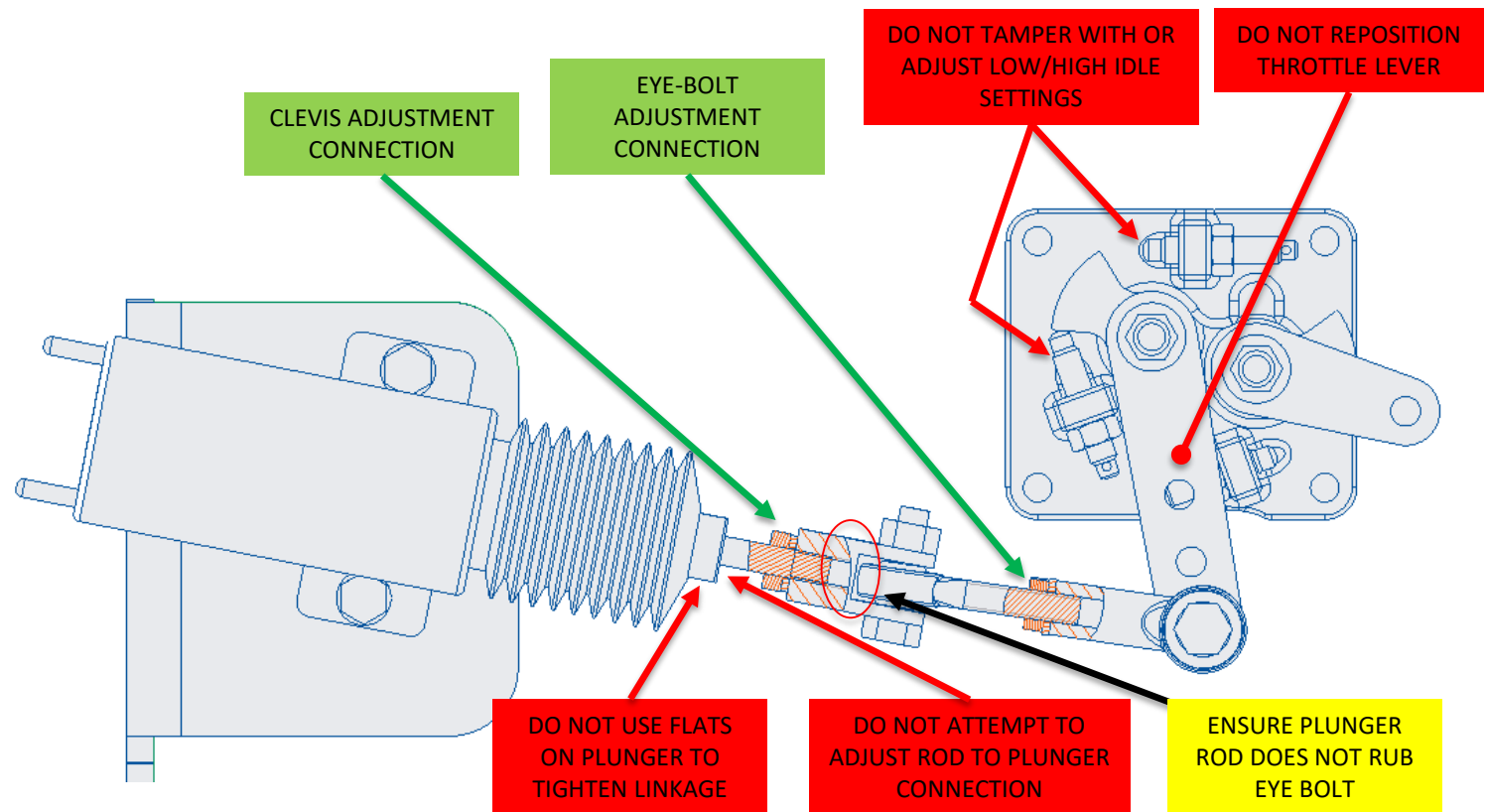


NOTE: IMAGE SHOWS ACTUATOR IN ENERGIZED STATE

ACTUATOR REPLACEMENT & ADJUSTMENT

- ADJUSTMENT POINTS

- The hardware at the clevis and eye-bolt connections can both be adjusted as needed to maintain proper air gap



- MEASURE PLUNGER TRAVEL DISTANCE FROM ENERGIZED TO DE-ENERGIZED POSITIONS. TRAVEL SHOULD NOT EXCEED 1".
- VERIFY PLUNGER MOVES FREELY WITHOUT BINDING. IF BINDING OCCURS CHECK:
 - Plunger rod is not contacting eye bolt
 - Spacer is installed on correct side of lever arm
- USING A DIGITAL MULTIMETER ON THE BACK OF THE ACTUATOR, MEASURE THE FOLLOWING:
 1. Non-Energized State: 0 to 1 ohms
 2. Energized State: 14 to 17 ohms

