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## MORTAR MIXERS V-BELT ADJUSTMENT UNITS WITH GX240 8HP OR MPOWER 177-BH ENGINES

Proper V-belt adjustment is critical for normal operation and prevention of abnormal V-belt wear. Please observe the following steps for proper V-belt adjustment. Always replace V-belts as a set OEM size.

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### STEP 1: Pulley Alignment

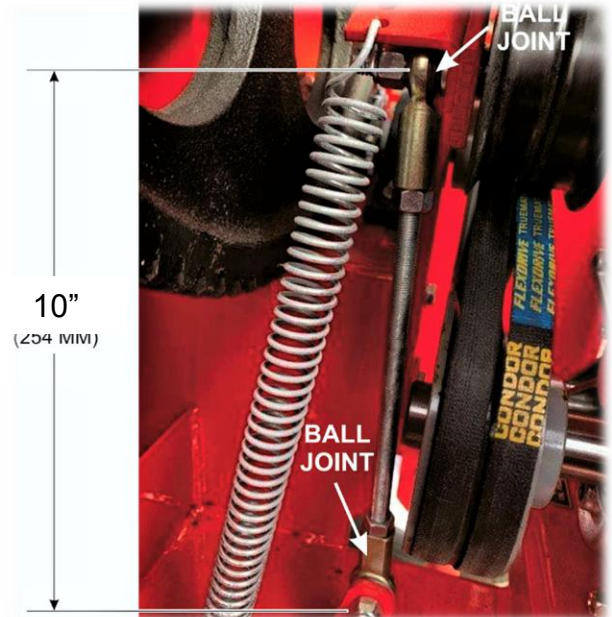
- Ensure the drive and driven pulleys are parallel with each other.
  - Place a ruler across the driven pulley surface so it extends to the drive pulley and ensure they are parallel with each other.
  - If not parallel the following can be done:
    - The four engine mounting bolts can be loosened for adjusting the engine position.
    - The drive pulley's set screw can be loosened to adjust its position on the engine shaft. Once aligned, remove the set screw and apply blue Loctite and securely tighten.

Drive Pulley

Driven Pulley

### STEP 2: Threaded Rod Adjustment

- Ensure the threaded rod length is correct for proper v-belt tensioning when engaged.
  - Measure the distance between the bolt holes of the heim/ball joints, center to center, should be 10".



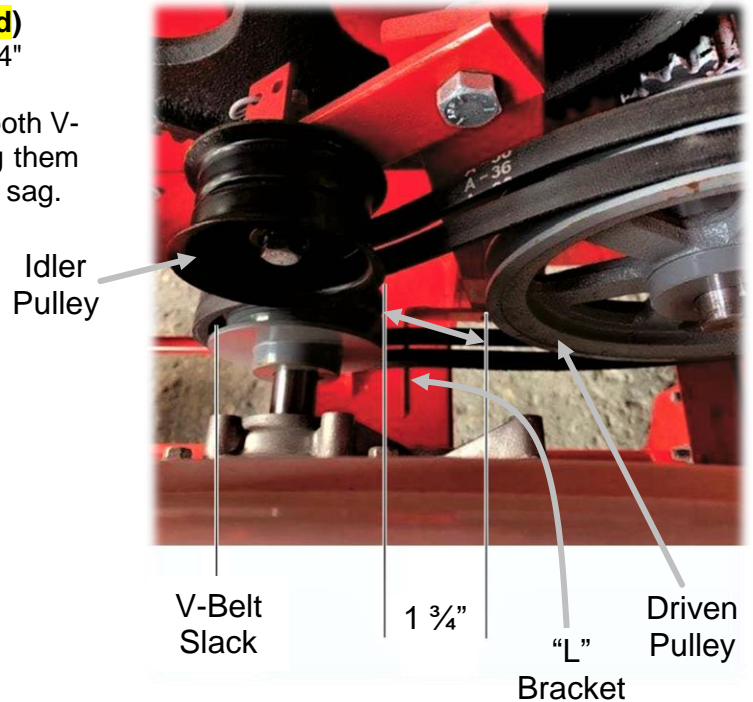


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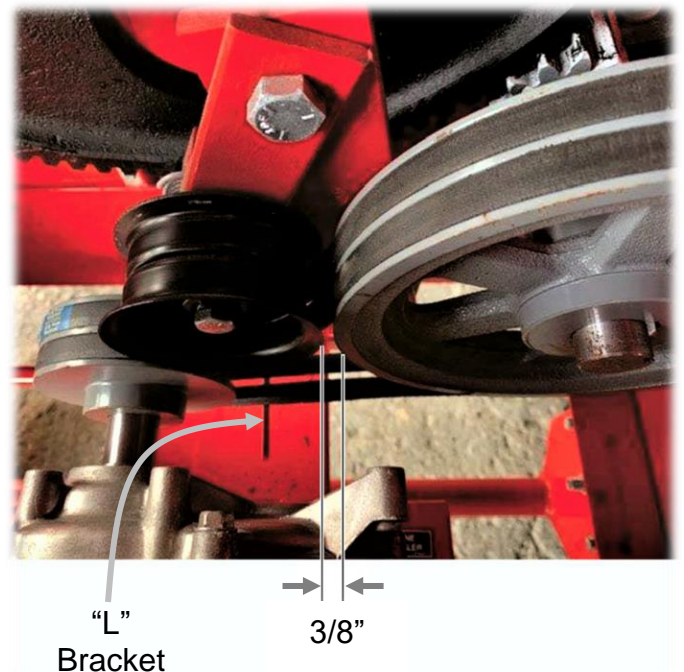
### STEP 3: Idler & Driven Pulleys Air Gap (Disengaged)

- Air gap between the two pulleys should be 1 3/4"
  - There should be noticeable V-belt slack.
  - Below the V-belts should be an L-bracket, both V-belts should resting on this bracket holding them in a horizontal position not allowing them to sag.



### STEP 4: Idler & Driven Pulleys Air Gap (Engaged)

- Air gap between the two pulleys should be 3/8"
  - Both V-belts should be tensioned and lifted up off of the L-bracket.
  - If the air gap is not within spec, adjust the engine/drive pulley closer or further away from the driven pulley to obtain the correct air gap.



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