

**TX1237625A-UN: Measuring Bucket Link and Arm End Play**

**LEGEND:**

- 5 - Bucket Boss
- 6 - Shim (as needed)
- 8 - 2MAD Seal (4 used)

Install 2MAD™ seal (8) by securing seal with one hand, sliding fingers under seal, and pulling seal onto bucket boss (5) as shown.

2. Apply grease to pins and bores.
3. Align machine arm and link with bucket.
4. IMPORTANT:

Prevent possible machine damage. Using a larger diameter shim than recommended does not allow 2MAD seal to seat properly. 2MAD seal must seat properly to keep out dirt and debris.

Measure bucket link and arm end play and add shims (6) as necessary. If multiple shims are used, divide the shims equally on each side of boom arm and bucket link.

Item	Measurement	Specification
Bucket Link and Arm End Play		0.5—1.5 mm 0.020—0.060 in

5.

**⚠ CAUTION:**

*Prevent possible crushing injury from heavy component. Use appropriate lifting device.*

Use appropriate lifting device to install bucket link pin and bucket arm pin. See pin weight specification table for bucket pin weights.

6.

**NOTE:**

*Tighten nuts against each other, not against retainer. Cap screw must be free to turn in hole.*

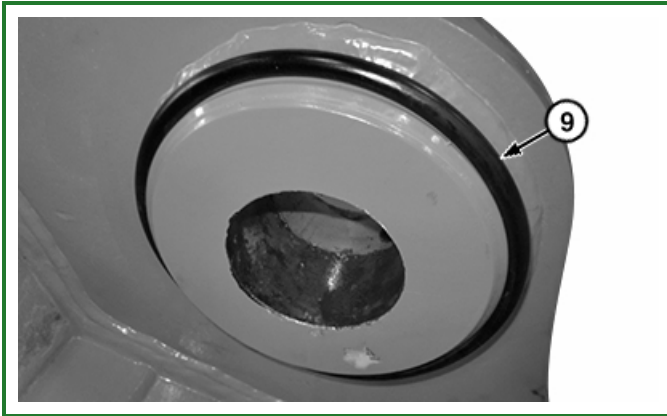
Install cap screws and tighten nuts against each other.

7. Slide 2MAD seals from bucket boss into bucket link and bucket arm pivot points as shown.

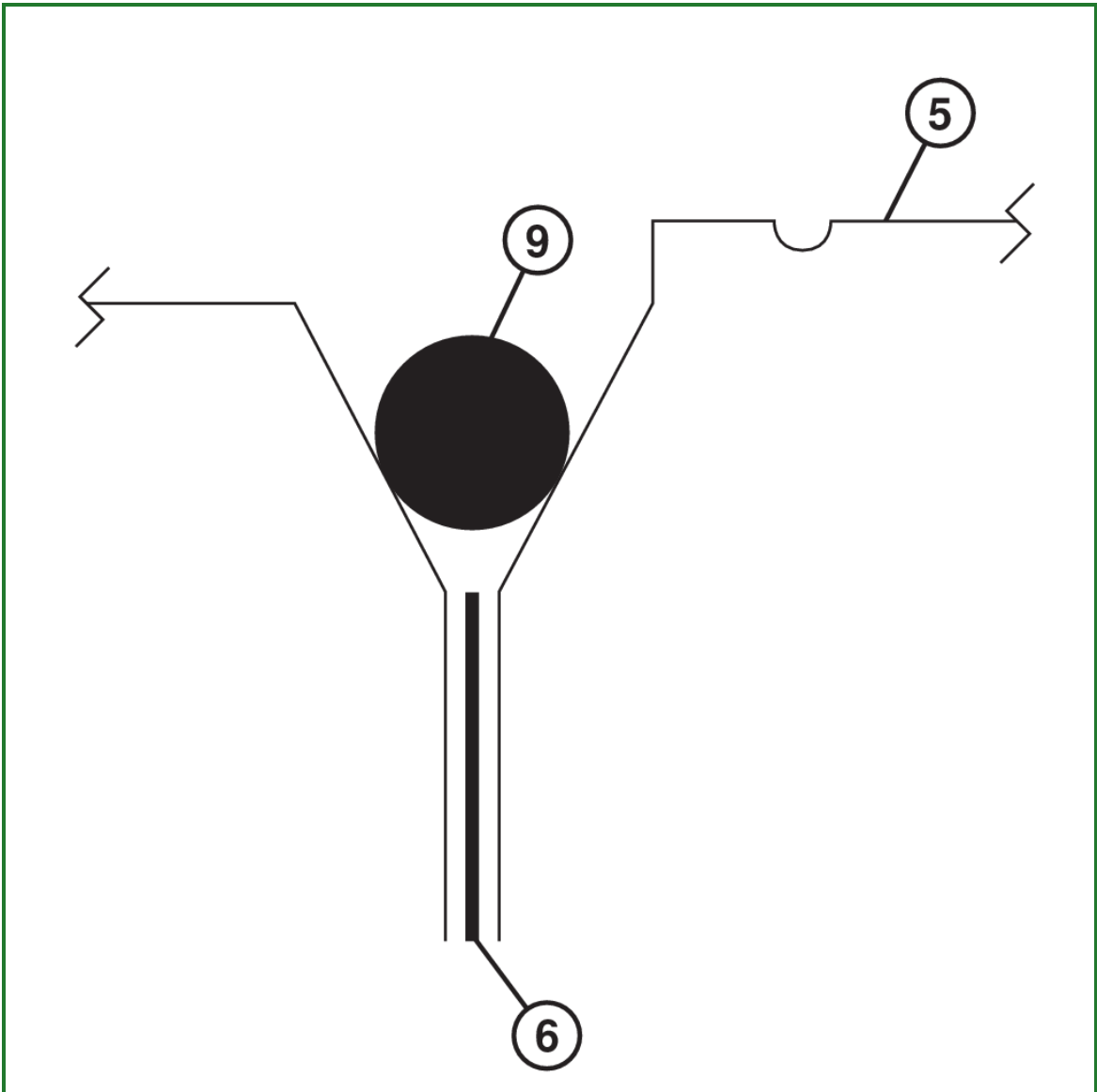
8. Grease bucket link and bucket arm pivot points.

### Bucket Installation—O-Ring Seal

- 1.



TX1237202A-UN: O-Ring Seal



TX1237913-UN: O-Ring Seal Correctly Installed