

TYPE 2

Shimming Procedures for Installed Bucket

1. With bucket attached, curl bucket and arm outward and lower boom so that bucket teeth are pointing away from excavator, just a few inches off ground. This position provides easy accessibility for dimensional measurements.
2. Force bucket to one side and check for end play (side-to-side) clearance under O-rings at attachment point. Clearance should be between 0.2 - 0.7 mm (0.0078 - 0.0275 in) on each end of arm boss, between side face of boss and inside edge of ear bushing. Too tight a fit can cause excessive wear while too much clearance may produce excessive noise and potentially hazardous slack control.
3. Recheck end play by forcing bucket towards opposite side and repeating clearance measurements.
4. If an adjustment is required, remove bolt (Figure 17) and pin. Add or remove shims as required. Install pin and bolt. Torque bolts to 42 N•m / 4.3 kg•m (31 ft lb).

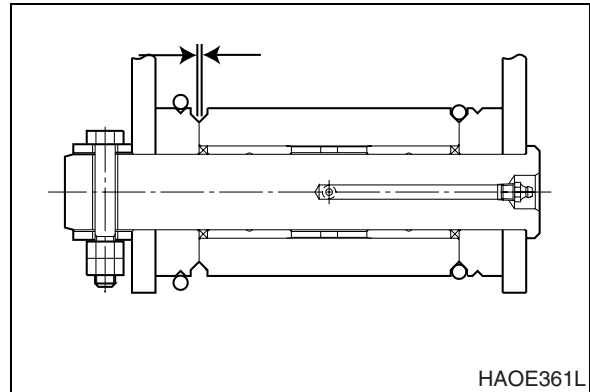


Figure 18

BUCKET ATTACHMENT, REMOVAL AND REVERSAL

DETACHING THE BUCKET

Park the excavator away from obstructions on clear, flat, level ground. Lower the bucket carefully to pre-assembled blocking on the ground. Brace the bucket so that there is no load weight on the pin connecting the bucket and arm. Disassemble the fasteners on the end of the bucket pin and pull out the pin.

If the pin sticks and resists normal withdrawal, there may be a load on it. Raise and lower the arm slightly until the unstressed pin position is located.



Use care pulling out the pin to avoid damaging the dust seals on either end of the arm.

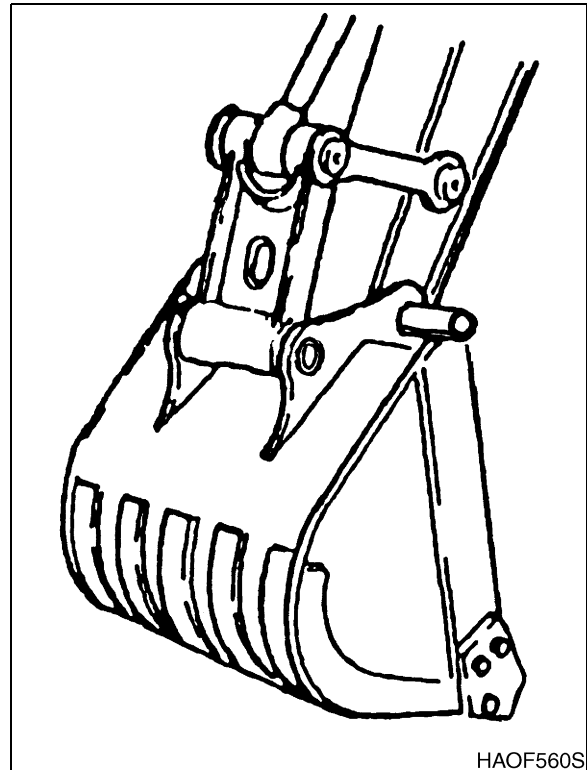
When the pin has been withdrawn, move the operating joystick slightly to take weight off the remaining link pin. Disassemble the link pin end retainers and pull out the pin.

Lift the arm away from the bucket so that the bucket can be carried away or another end attachment can be put on the excavator.

ATTACHING THE BUCKET

Carefully inspect all parts before reassembling the bucket linkage. Look for cracks or any other evidence of physical damage and replace any seal or O-ring that is not in like-new condition. Pre-lube linkage pins before assembly.

Use an old cylinder rod, a long breaker bar or a similar, relatively thin diameter support bar for making the first (temporary) pin connection, between the bucket and arm. If the support bar is straight, the arm can be raised and the bucket will hang level, allowing direct insertion of the bucket ear-attachment linkage pin.



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Figure 19