

T25201N

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|---------------------------|----------------------------|
| 1—Spring Pin | 12—Bushing (2 used) |
| 2—Pin | 13—Swing Frame |
| 3—Bolt (2 used) | 14—Bushing (2 used) |
| 4—Special Washer (4 used) | 15—Grease Fitting (2 used) |
| 5—Tapered Sleeve (2 used) | 16—Thrust Washer (2 used) |
| 6—Pin (2 used) | 17—Tapered Sleeve (2 used) |
| 7—Bushing (2 used) | 18—Special Washer (4 used) |
| 8—Grease Fitting (8 used) | 19—Bushing (4 used) |
| 9—Cap Screw | 20—Pin (2 used) |
| 10—Pin | 21—Cotter Pin (4 used) |
| 11—Lock Nut | 22—Nut (2 used) |

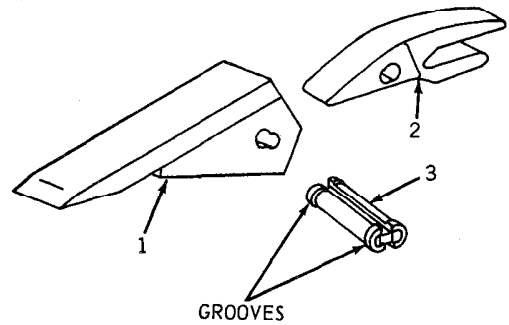
REPAIR

Refer to Section 10, Group 25 when separating the backhoe from the tractor.

During disassembly and assembly, refer to Figs. 1 - 5 for correct location of parts.

Inspect all parts for excessive wear or damage. Repair or replace parts as necessary.

BACKHOE BUCKET TOOTH ASSEMBLY



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- 1—Tooth Tip
- 2—Tooth Shank

- 3—Flex Pin

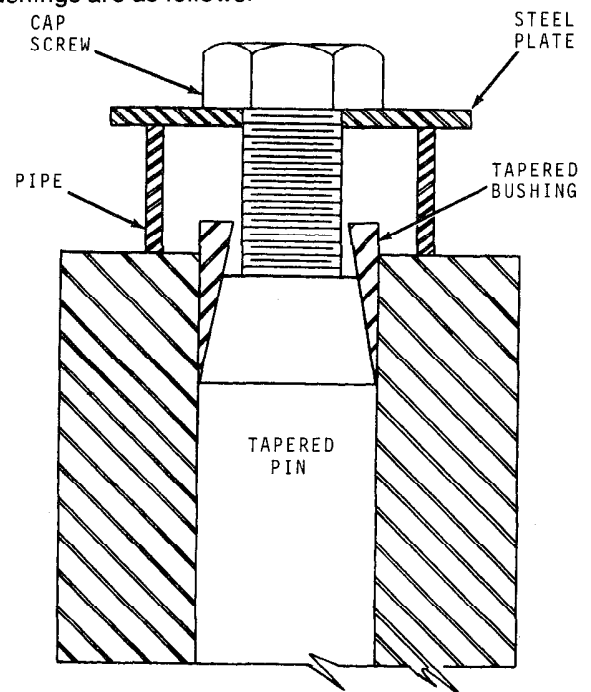
Fig. 6-Tooth Assembly

To fasten the tooth tip to shank, drive the flex pin in making sure that the half grooves face toward the tooth tip as shown in Figure 6. The grooves are the locking mechanism.

NOTE: If "back" is stamped on the pin, it should face toward the shank.

REMOVING AND ASSEMBLING TAPERED PINS AND WEDGE BUSHINGS

The procedures for removing tapered pins and bushings are as follows:



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Fig. 7-Pulling Tapered Pins and Bushings

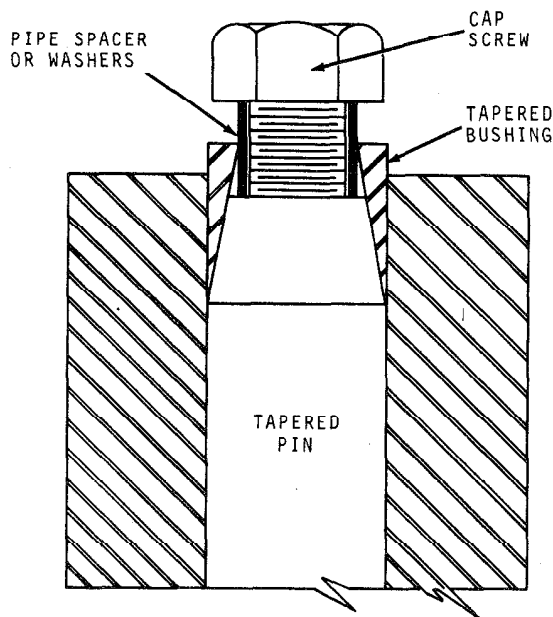
Remove cap screw from tapered pin.

Place a short piece of pipe around the tapered bushing. Lay a piece of steel plate with a hole in the center over the pipe. Insert a long cap screw through the hole in the steel plate (Fig. 7).

IMPORTANT: To avoid damaging the threads in the tapered pin, be sure several threads of the cap screw are engaged sufficiently before applying force.

Screw cap screw into tapered pin until the pin and bushing are pulled from the bore.

Whenever it is not possible to remove tapered pins and bushings by the above method, use the second procedure outlined as follows:



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Fig. 8-Removing Tapered Pins and Bushings

Place a pipe spacer or washer between the cap screw and tapered pin (Fig. 8). This will transfer the force applied at the cap screw to the tapered pin and not the bushing.

Tighten cap screw to standard torque.

Strike head of cap screw to drive tapered pin and bushing from bore.

If neither of the above procedures will remove tapered pin and bushings, use both procedures simultaneously.

When installing tapered pins use the following procedure:

1. Before inserting pins and bushings, be sure bushing bores are clean, dry and unpainted.
2. Assemble parts loosely. Center pin assembly in pin joint within 0.12 inch.
3. Tighten bolts as follows:
 - A. Tighten all bolts associated with the tapered pin assembly to a minimum of one-half the standard torque.
 - B. Shock both wedge bushings with a brass, lead, or aluminum hammer.
 - a. If the washers are accessible and large enough, strike both washers in three places.
 - b. If the washers are not accessible or are too small to strike directly, place a spacer over the bolt head or bolt nut and strike the spacer three times.

NOTE: Do not pound on bolt head or nut.

- C. Tighten bolts to full torque.
- D. Repeat step B.
- E. Check torque.
- F. Repeat steps B and C alternately until shocking the assembly does not reduce the torque reading on bolts.
- G. Recheck for centered position.