

- (1) Clean all metal parts in an approved solvent.
- (2) Inspect all parts for wear and damage.
- (3) Check the springs for resiliency, collapsed coils, and distortion.
- (4) Check the brake lining for wear, damage, and saturation with petroleum base lubricant

NOTE

If the brake lining is scored, check the braking surface
on the auxiliary drum for possible cause.

- (5) Replace all parts considered to be unserviceable or damaged beyond simple repair.

c. Reassembly. Reassemble the brake by reversing disassembly procedures.

3-23. THIRD DRUM ASSEMBLY (Figure 3-29).

a. Disassembly

- (1) Remove the rotoseal (1). Disconnect the hose (2) and remove the quick release valve (3).
- (2) Remove nuts (17), lockwashers (18), capscrews (19), and chain guard (20).
- (3) Remove nuts (4), lockwashers (5), and bolts (6).
- (4) Remove nuts (21), lockwashers (22), and bolts (23).
- (5) Attach a hoisting device to the third drum assembly. Loosen the setscrew (27), and move the third drum assembly as necessary to remove the sprocket (28) and chain (26).
- (6) Remove pillow blocks (7 and 24) and shims (8 and 25).
- (7) Remove nuts (34), lockwashers (35), bolts (36), clutch (9), spacer (10), and drive ring (37).
- (8) Remove capscrews (11), retainer plate (12), seal (13), o-ring (14), spacer (15), and bearing (16).
- (9) Remove capscrews (30), lockwashers (31), retainer plate (32), and bearing (33).
- (10) Remove the shaft (41) and keys (29) from the third drum (38).

b. Cleaning, Inspection, and Repair

- (1) Clean all parts with an approved solvent and dry thoroughly.
- (2) Inspect sprocket for cracked, chipped, broken, or worn teeth.
- (3) Check the chain for excessively worn or broken links.

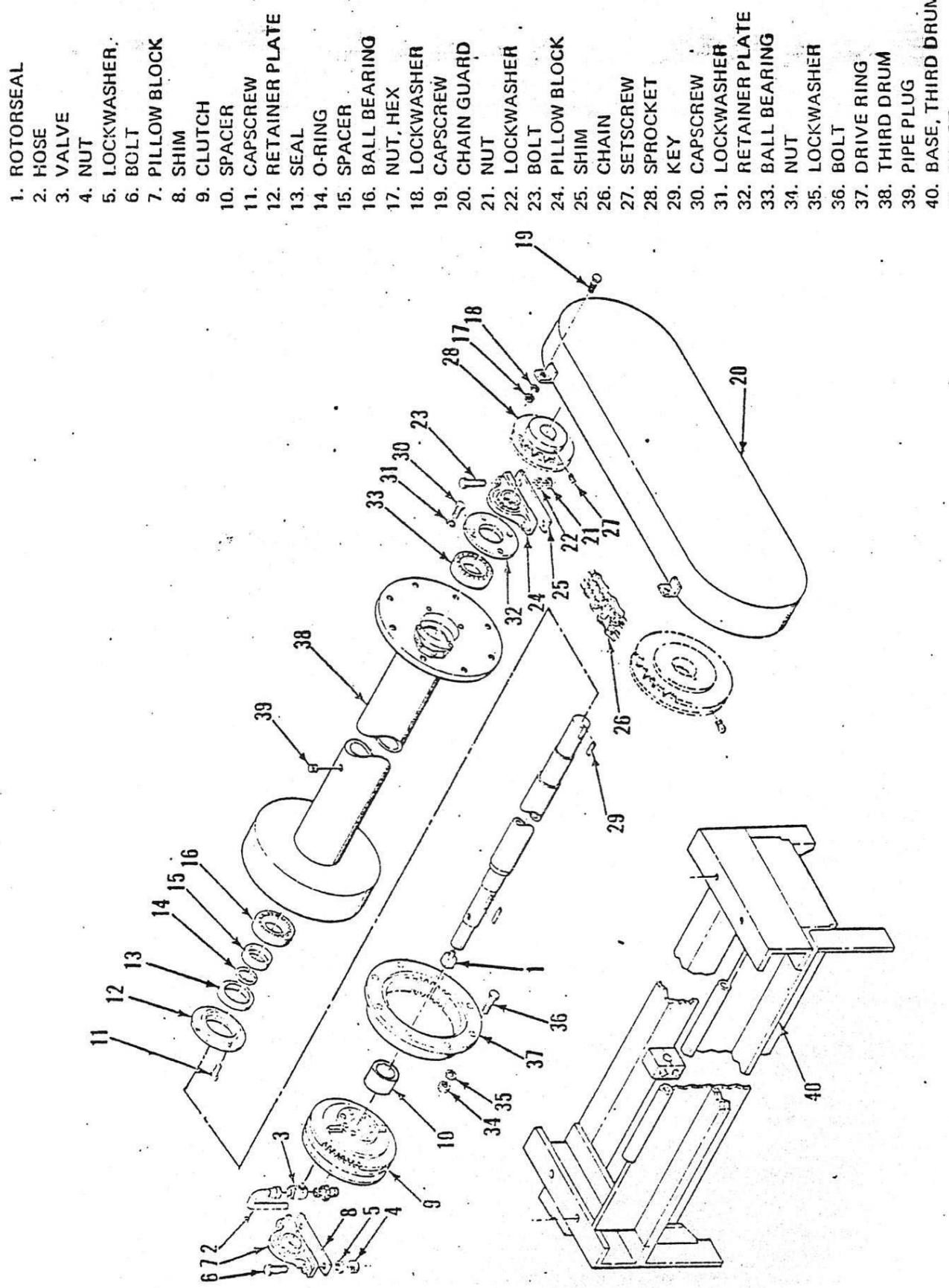


Figure 3-29. Third Drum Assembly

- (4) Inspect bearings for pitting, wear, and other damage.
- (5) Replace all seals and o-rings.
- (6) Replace any parts worn or damaged beyond simple repair.

c. Reassembly. Reassemble the third drum by reversing disassembly procedures.

3-24. CATHEAD DRIVE ASSEMBLY (Figure 3-30).

a. Disassembly

- (1) Remove the cathead cover from the mount (16).
 - (2) Remove the capscrews (30) and divider (32).
 - (3) Remove the capscrew (1), lockwasher (2), washer (3), and cathead (4).
 - (4) Remove the bracket (31).
 - (5) Remove the nuts (8), lockwashers (10), washers (9), and capscrews (11).
 - (6) Remove the pillow blocks (7), shaft (6), sprocket (5), chain (13), and sprocket (12).
 - (7) Disconnect the tubing from the motor (28). Remove the nuts (25), capscrews (27), lockwashers (26) and remove the drive motor (28).
 - (8) Remove the capscrews (18), lockwashers (19), and guard (17).
 - (9) Remove the capscrews (14), lockwashers (15), and transmission and chain coupling (29).
- b. Cleaning, Inspection, and Repair
- (1) Clean all parts in an approved solvent and dry thoroughly.
 - (2) Inspect all parts for serviceable condition, paying particular attention to the condition of the chain and sprockets.
 - (3) Replace any parts found defective, damaged, or excessively worn.

c. Reassembly. Reassemble the cathead drive assembly by reversing disassembly procedures.

3-25. CATHEAD DRIVE MOTOR (Figure 3-31).

a. Disassembly

- (1) Remove retainer ring (1), high pressure seal (2), o-ring (3), and bearings (4).
- (2) Remove bolt (5), washer (6), and port end cover (7).