

- (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 hoisting drum for possible cause.

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

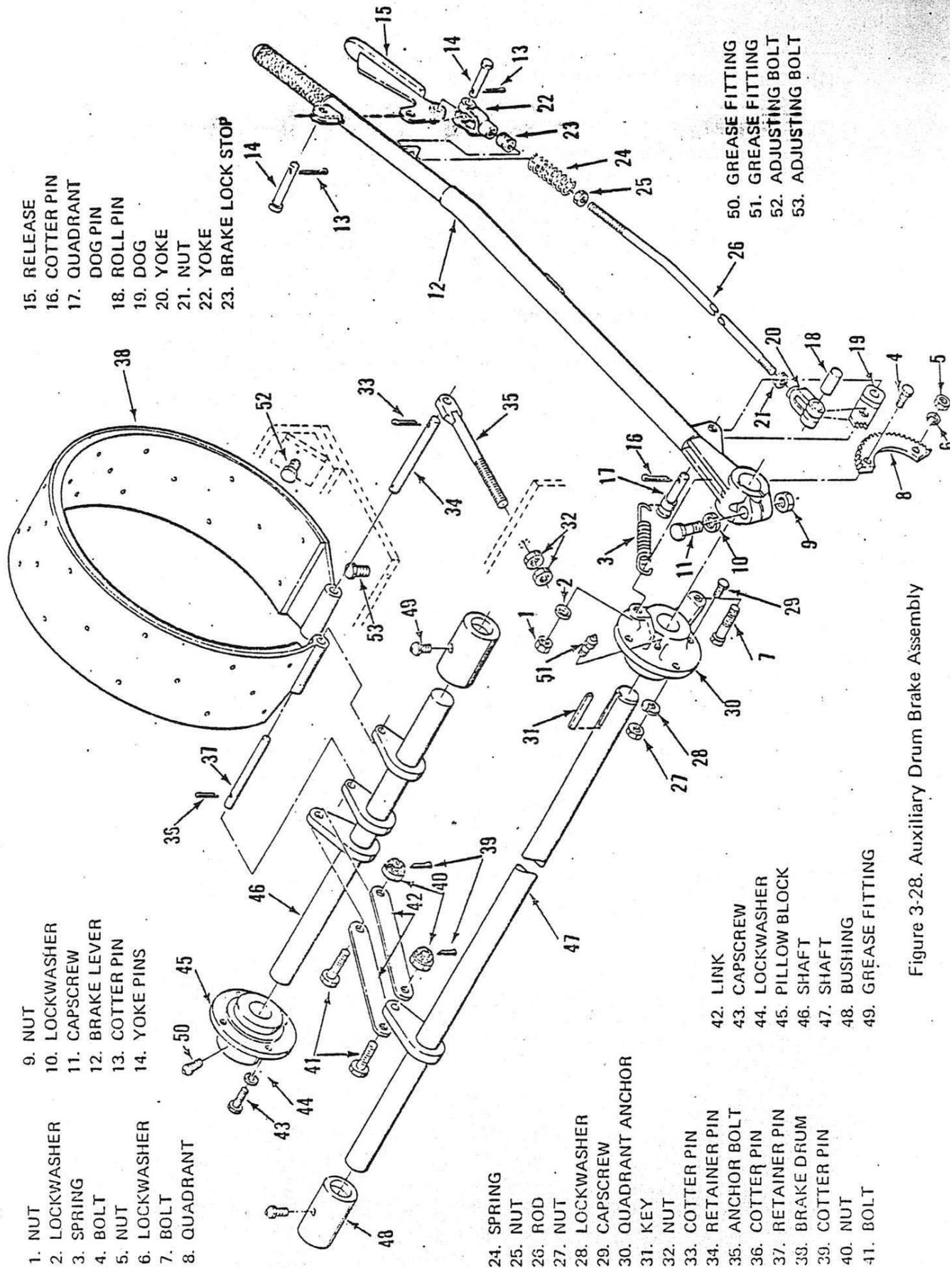
c. Reassembly. Reassemble the brake by reversing disassembly procedures.

### 3-22. AUXILIARY DRUM BRAKE ASSEMBLY (Figure 3-28).

#### a. Disassembly

- (1) Remove the nut (1), lockwasher (2), spring (3), and bolt (4).
- (2) Remove the nut (5), lockwasher (6), bolt (7), and quadrant (8).
- (3) Remove nut (9), lockwasher (10), capscrew (11), and brake lever (12).
- (4) Remove cotter pin (13), yoke pins (14), and release (15).
- (5) Remove cotter pin (16), quadrant dog pin (17), roll pin (18), and dog (19).
- (6) Remove the yoke (20), nut (21), yoke (22), brake lock stop (23), spring (24), and nut (25) from the rod (26).
- (7) Remove the nut (27), lockwasher (28), capscrew (29), quadrant anchor (30), and key (31).
- (8) Remove nut (32), cotter pins (33), retainer pin (34), and anchor bolt (35).
- (9) Remove cotter pins (36), retainer pin (37), and brake band (38).
- (10) Remove cotter pins (39), nuts (40), bolts (41), and links (42).
- (11) Remove bushings (48) from shafts (46 and 47).
- (12) Remove capscrews (43), lockwashers (44), and pillow block (45).
- (13) Do not remove grease fittings (49, 50, and 51) adjusting bolts (52 and 53) unless replacement is necessary.

#### b. Cleaning, Inspection, and Repair



- 15. RELEASE
- 16. COTTER PIN
- 17. QUADRANT
- 18. DOG PIN
- 19. DOG
- 20. YOKE
- 21. NUT
- 22. YOKE
- 23. BRAKE LOCK STOP

- 50. GREASE FITTING
- 51. GREASE FITTING
- 52. ADJUSTING BOLT
- 53. ADJUSTING BOLT

- 9. NUT
- 10. LOCKWASHER
- 11. CAPSCREW
- 12. BRAKE LEVER
- 13. COTTER PIN
- 14. YOKE PINS

- 1. NUT
- 2. LOCKWASHER
- 3. SPRING
- 4. BOLT
- 5. NUT
- 6. LOCKWASHER
- 7. BOLT
- 8. QUADRANT

- 35. LOCKWASHER
- 36. CAPSCREW
- 37. LOCKWASHER
- 38. PILLLOW BLOCK
- 39. SHAFT
- 40. SHAFT
- 41. BUSHING
- 42. GREASE FITTING

- 24. SPRING
- 25. NUT
- 26. ROD
- 27. NUT
- 28. LOCKWASHER
- 29. CAPSCREW
- 30. QUADRANT ANCHOR
- 31. KEY
- 32. NUT
- 33. COTTER PIN
- 34. RETAINER PIN
- 35. ANCHOR BOLT
- 36. COTTER PIN
- 37. RETAINER PIN
- 38. BRAKE DRUM
- 39. COTTER PIN
- 40. NUT
- 41. BOLT

- 42. LINK
- 43. CAPSCREW
- 44. LOCKWASHER
- 45. PILLLOW BLOCK
- 46. SHAFT
- 47. SHAFT
- 48. BUSHING
- 49. GREASE FITTING

Figure 3-28. Auxiliary Drum Brake Assembly

- (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.