

3-21. HOISTING DRUM BRAKE ASSEMBLY (Figure 3-27)

a. Disassembly

- (1) Remove the nut (1), spring (2), bolt (3), lockwasher (3), and bolt (4).
- (2) Remove the nut (5), lockwasher (6), capscrew (7), and quadrant (8).
- (3) Remove nut (9), lockwasher (10), capscrew (11), and brake lever (12).
- (4) Remove cotter pins (13), yoke pins (14), and release (15).
- (5) Remove the yoke (16), brake lock stop (17), cotter pin (18), quadrant dog pin (19), pin (20),

and quadrant dog (21).

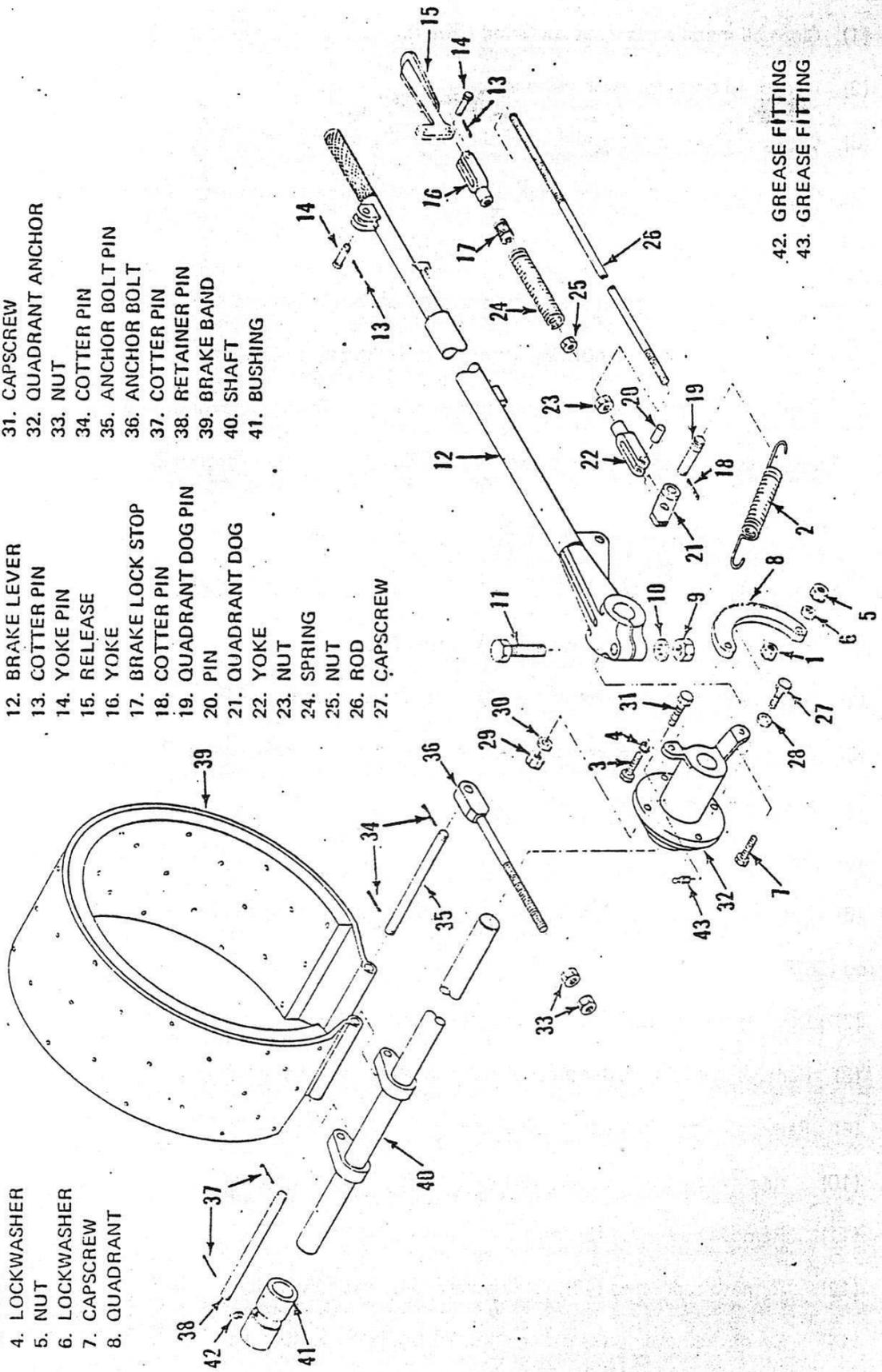
- (6) Remove the yoke (22), nut (23), spring (24), and nut (25) from the rod (26).
- (7) Remove the nuts (29), washer (30), capscrew (27), washer (30), and quadrant anchor (32).
- (8) Remove nuts (33), cotter pins (34), anchor bolt pin (35), and anchor bolt (36).
- (9) Remove cotter pins (37), retainer pin (38), brake band (39), and bushing (41) from shaft (40).
- (10) Do not remove grease fittings (42 and 43) unless replacement is necessary.

b. Cleaning, Inspection, and Repair

- 28. LOCKWASHER
- 29. NUT
- 30. LOCKWASHER
- 31. CAPSCREW
- 32. QUADRANT ANCHOR
- 33. NUT
- 34. COTTER PIN
- 35. ANCHOR BOLT PIN
- 36. ANCHOR BOLT
- 37. COTTER PIN
- 38. RETAINER PIN
- 39. BRAKE BAND
- 40. SHAFT
- 41. BUSHING

- 9. NUT
- 10. LOCKWASHER
- 11. CAPSCREW
- 12. BRAKE LEVER
- 13. COTTER PIN
- 14. YOKE PIN
- 15. RELEASE
- 16. YOKE
- 17. BRAKE LOCK STOP
- 18. COTTER PIN
- 19. QUADRANT DOG PIN
- 20. PIN
- 21. QUADRANT DOG
- 22. YOKE
- 23. NUT
- 24. SPRING
- 25. NUT
- 26. ROD
- 27. CAPSCREW

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



- 42. GREASE FITTING
- 43. GREASE FITTING

Figure 3-27. Hoisting 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 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