

### 3.43 HYDRAULIC JACKS (Figure 3-86).

#### a. Removal

- (1) Disconnect hydraulic lines to jack.
- (2) Remove nuts, bolts and washers securing guide housing (22) to the trailer.

#### b. Disassembly

- (1) Remove nut (16) and lockwasher (17) to extract cylinder rod assembly (8).
- (2) Remove nuts (18), lockwashers (19) and bolts (20) to remove plate (21).

- (3) Remove screws (9), packing gland (10), packing (11), packing ring (12) and discard packing.
  - (4) Remove lock ring (14), cylinder head (13) and o-ring (15). Discard o-ring.
  - (5) Withdraw cylinder rod (8) with assembled parts.
  - (6) Remove nut (3), o-ring (4), piston body (5), packing (6) and piston plate (7). Discard packing.
  - (7) Remove base (1) and hydraulic cylinder from cylinder guide (22).
- c. Cleaning, Inspection and Repair
- (1) Clean all parts in approved solvent and dry thoroughly with filtered compressed air.
  - (2) Inspect cylinder guide and plate for cracks, corrosion and defective paint.
  - (3) Inspect cylinder head, cylinder rod, piston plate, piston body and cylinder for cracks, scores and excessive wear.
  - (4) Check base, socket and ball of hydraulic cylinder for excessive wear.
  - (5) Check all threads for damage.
  - (6) Replace all parts damaged beyond simple repair.
- d. Assembly
- (1) Assemble piston plate (7), packing (6), piston body (5), o-ring (4) and nut (3) onto cylinder rod
  - (2) Install assembled cylinder rod into hydraulic cylinder (2).
  - (3) Install o-ring (15), snap ring (14) and cylinder head (13) into cylinder (2).
  - (4) Install packing ring (12), packing (11), packing gland (10) and screws (9).

#### CAUTION

Use extreme caution to avoid scratching critical surfaces  
when installing cylinder into guide.

- (5) Install assembled hydraulic cylinder into guide (22).
  - (6) Position cylinder plate (21) and secure with screws (20), lockwashers (19) and nuts (18).
  - (7) Install lockwasher (17) and nut (16).
  - (8) Press base and socket (1) on to cylinder (2).
- e. Installation. Install by following removal procedures in reverse order with the following addition.
- With hydraulic line reconnected, operate jack and check for leaks.

