

12 141

BRAKING SYSTEM

- 6 Continue depressing the brake pedal, until no more air bubbles emerge from the tube.

NOTE: It is important that the fluid level in the reservoirs is maintained during the brake bleeding operation. NEVER replenish the reservoirs with fluid drained from the system as it may be contaminated or aerated. If the fluid in the system is dirty it is advisable to drain it completely and refill with fresh fluid.

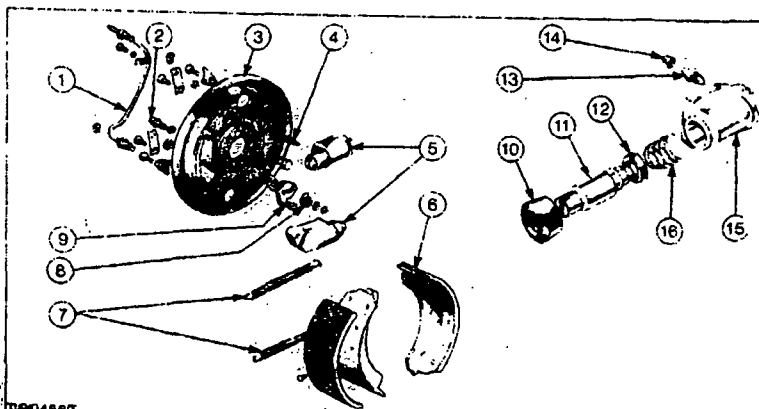
- 6 When, with each depression of the brake pedal, fluid alone comes out of the bleed tube, hold the footbrake pedal in the fully depressed position and tighten the bleed valve.

CAUTION: Do not use excessive force when tightening the valve.

- 7 Remove the tube and refit the rubber cap on the bleed valve.

- 8 Repeat these operations on the other wheels, starting with the wheel having the next shortest pipeline run. Bleed at the wheel having the longest pipe line run last.

- 9 Top up the reservoirs to the correct level and replace the caps.



HYDRA 4687

Hydraulic Two Leading Shoe (HLS/S) Front Brake Assembly

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|------------------|----------------------|-------------------------|
| 1 Bridge pipe | 7 Shoe return spring | 13 Bleed valve |
| 2 Brake adjuster | 8 Shoe cam | 14 Dust cap |
| 3 Back plate | 9 Shoe adjuster | 15 Wheel cylinder body |
| 4 Steady post | 10 Dust cover | 16 Piston return spring |
| 5 Wheel cylinder | 11 Piston | |
| 6 Brake shoe | 12 Piston seal | |

12 283 SHOES - FRONT BRAKES - REMOVE AND INSTALL (One Side) (Includes: Adjust both Sides)

⚠ WARNING: Brake lining dust is injurious to health if inhaled and proper care must be taken when cleaning the brake drums and/or back plates.

To Remove

- 1 Ensure that the park brake is applied.
- 2 Position a jack under the centre of the front axle and raise the vehicle sufficiently to fit stands under each end of the axle.
- 3 Using a wheel trolley, remove the wheel and brake drum assembly as one unit, as detailed in Operation 14 371.
- 4 Using the Brake Shoe Horn (Tool No 64947016), prise one of the shoes from its abutment slot on the wheel cylinder.
- 5 Gradually release the tension on the shoe to enable the other shoe to be removed from its abutment slot on the other wheel cylinder.

BRAKING SYSTEM

12 285

12 285 SHOES - REAR BRAKES - REMOVE AND INSTALL (One Side) (Includes: Remove and Install Wheel and Adjust Both Sides).

⚠ WARNING: Brake lining dust is injurious to health if inhaled and proper care must be taken when cleaning the brake drums and/or back plates.

- 6 Remove both shoes complete with the retracting springs.

- 7 Note the positions of the retracting springs and remove the springs from the shoes.

- 8 Wire the wheel cylinder pistons to keep them retracted.

To Install

NOTE: Ensure that the brake shoe lining material of the replacement shoes is of the correct specification. Check the letter code on the side of the brake shoe lining (see Specifications).

- 9 Refit the brake shoe retracting springs in the positions noted during removal.

- 10 Locate the shoe web of each brake shoe sliding edge into the slot at the end of the wheel cylinder piston.

- 11 Using the Brake Shoe Horn (Tool No 64947016), lever the shoe web of each brake shoe trailing edge into its abutment slot at the rear end of the wheel cylinder. Remove the retaining wire from the cylinder pistons.

- 12 Taking care not to damage the brake linings, refit the wheel and brake drum assembly as detailed in Operation 14 371.

- 13 Remove the two rubber plugs at the rear of the brake dust cover which cover the brake shoe steady posts, slacken the steady post locknuts and unscrew both steady posts two full turns using Adjuster Tool No 64927025.

- 14 Turn the brake adjusters in a clockwise direction until the shoes are in firm contact with the drum.

- 15 Using the Adjuster Tool No 64927025, screw in one steady post until it just contacts the brake shoe web, then tighten the locknut. Refit the steady post rubber plug.

- 16 Repeat the operation on the other shoe steady post.

- 17 Adjust the brakes as detailed in Operation 12 132.

- 18 Remove the stands and lower the vehicle to the ground.

To Remove (H2 L/S)

- 1 Check the front wheels.

- 2 Slacken the wheel nuts.

- 3 Position a jack under the centre of the rear axle and raise the vehicle sufficiently to fit stands under each of the axle.

- 4 Release the park brake.

- 5 Remove the wheel nuts and, using a wheel trolley, remove the wheel.

- 6 Remove the hub and brake drum assembly as detailed in Operation 15 374.

- 7 Slacken the brake shoe adjusters.

- 8 Using the special Tool No. 64927026 or a suitable hook tool, unhook and remove the brake shoe retracting springs.

- 9 Wire around the expander tappets to retain the rollers and wedge in position.

- 10 Using the Brake Shoe Horn (Tool No 64947016), prise the shoes from their abutment slots in the wheel cylinders and remove the shoes complete with shoe carriers from the brake carrier plate.

- 11 Wire the wheel cylinder pistons to keep them retracted.

- 12 Disconnect and remove the carrier return springs.

- 13 Remove the brake shoe carriers from the brake shoes.

To Install

NOTE: Ensure that the brake shoe lining material of the replacement shoes is of the correct specification. Check the letter code on the side of the brake shoe lining (see Specifications).

R-SERIES - 1978 onward

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