

HM040323

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|--|---------------------------------------|
| 1. BRAKE HOUSING COVER CAPSCREW          | 17. PISTON RETURN SPRING GUIDE        |
| 2. BRAKE HOUSING COVER WASHER            | 18. PISTON RETURN SPRING              |
| 3. BLEEDER SCREW                         | 19. PISTON RETURN SPRING PLUG         |
| 4. FORCED COOLING INLET PLUG             | 20. BRAKE HOUSING PLUG                |
| 5. BRAKE HOUSING COVER PLUG              | 21. FACE SEAL ASSEMBLY                |
| 6. INLET FITTING PLUG                    | 22. TEMPERATURE SENSOR BRACKET        |
| 7. BRAKE HOUSING COVER                   | 23. TEMPERATURE SENSOR BRACKET WASHER |
| 8. AXLE COVER HOUSING WASHER             | 24. TEMPERATURE SENSOR BRACKET        |
| 9. AXLE COVER HOUSING CAPSCREW           | 25. TEMPERATURE SENSOR PLUG           |
| 10. PISTON SEAL                          | 26. FILL AND LEVEL PLUG               |
| 11. PISTON SEAL SPACER                   | 27. MAGNETIC DRAIN PLUG               |
| 12. PISTON                               | 28. INLET FITTING PLUG                |
| 13. STATIONARY DISC                      | 29. BRAKE INLET FITTING               |
| 14. FRICTION DISC                        | 30. FORCED COOLING OUTLET PLUG        |
| 15. STATIONARY BRAKE HOUSING DISC SPACER |                                       |
| 16. BRAKE HOUSING                        |                                       |

**Figure 1. Wet Disc Brake Housing**

## Repair

### GENERAL

The service brake assemblies are hydraulically actuated wet brakes. Most repairs are seal replacement at the hub and brake housing. Replace these seals anytime the hub is removed.

### REMOVE

#### Drive Wheels and Tires



#### WARNING

**Support the truck with safety stands. Do not work under a truck supported only by jacks.**

**Always wear safety glasses.**

**NOTE:** The final drive assemblies can be removed with the drive axle installed in the lift truck. If the drive axle must be removed, do the following steps. If the drive axle will not be removed, do only the required steps.

1. Place lift truck on a solid, level surface.
2. Put blocks on each side (front and back) of steer tires to prevent movement of lift truck. See Figure 2 and Figure 3.
3. For all models except the A222, A227, B222, and B227, put mast in vertical position.
4. For all models except the A222, A227, B222, and B227, put a block under each outer mast channel.



#### WARNING

**Verify the jack has a rated capacity to raise the lift truck or personal injury may occur. See the nameplate for the correct weight of the lift truck.**

**NOTE:** If the hydraulic system is not operating, use a hydraulic jack under the drive axle.

5. For all models except the A222, A227, B222, and B227, tilt mast fully forward until drive tires are raised from the surface.
6. For the A222, A227, B222, and B227 models only, fully lower and retract the boom.



#### CAUTION

**Do not place blocks under fuel or hydraulic hoses or lift truck damage may occur.**

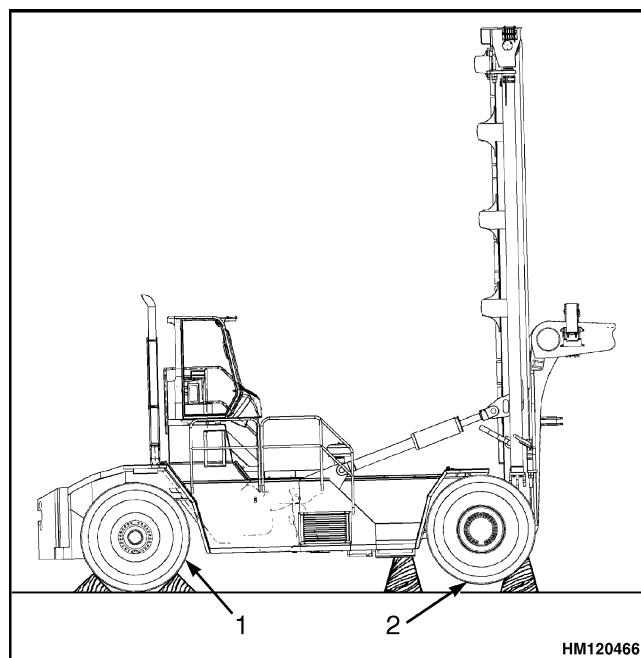
7. Put additional blocks under frame behind the drive tires.



#### WARNING

**Completely remove air pressure from tire before it is removed from lift truck. Because dual wheels are installed, remove air pressure from both tires. Air pressure in tires can cause tire and wheel parts to explode, causing serious injury or death.**

8. Remove air from tire.
9. Remove valve core to verify that all air is out of inner tube.
10. Push a wire through valve stem to verify the stem does not have a restriction.
11. Remove wheel nuts and clamps.



1. STEER AXLE/STEER TIRES
2. DRIVE AXLE/DRIVE TIRES

**Figure 2. Put the Lift Truck on Blocks (All Models Except A222, A227, B222, and B227)**