

Technical Bulletin

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Cancels: N/A

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Subject: Bendix® Air Disc Brake Spring Brake Actuator Caging Procedure

The following procedure is for manually caging and/or un-caging (releasing) a Bendix® Air Disc Brake Spring Brake Actuator.

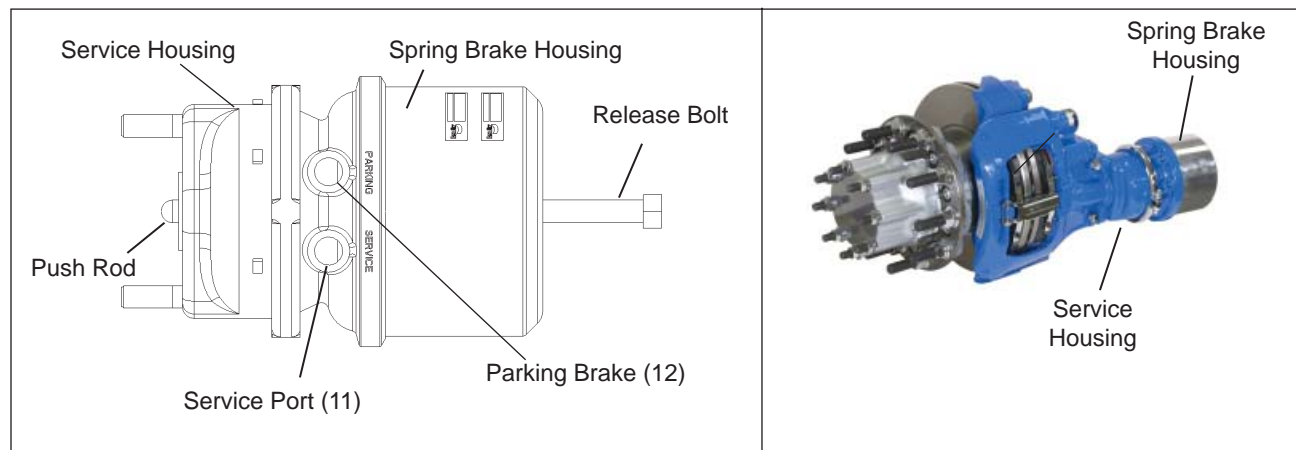


Figure 1a - Spring brake shown in the caged position.

Figure 1b - Air disc brake assembly

Un-Caging (releasing) the Parking Brake

- 1) Install the spring brake actuator on the air disc brake (if not previously installed). Refer to service data sheet SD-23-7541 (BW7308). See Figure 1b.
- 2) Connect a regulated air line to parking brake port (12) of the actuator (if not connected previously). See Figure 1a.
- 3) Gradually supply 100 psi of air pressure to the parking brake port (12) of the actuator.
- 4) Rotate the release bolt clockwise until resistance is encountered.
- 5) Seat the release bolt in the un-caged position by applying a torque of 50 lb-ft. The release bolt and push rod should be in the position shown in Figure 2.
- 6) With hands clear of moving parts, slowly release the air pressure to the parking brake port (12). Be sure to exercise caution to prevent pinching of fingers.

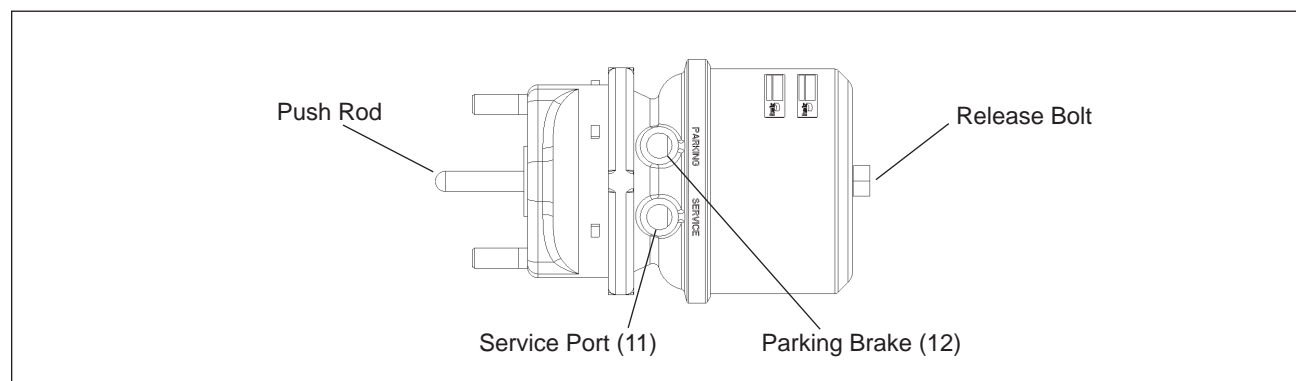


Figure 2 - Spring brake shown in the un-caged (released) position.

(over)

Caging the Parking Brake

- 1) Connect a regulated air line to parking brake port (12) of the actuator (if not connected previously).
- 2) Gradually supply 100 psi of air pressure to the parking brake port (12) of the actuator.
- 3) Rotate the release bolt counterclockwise until resistance is encountered.
- 4) Seat the release bolt in the caged position by applying torque of 25 lb-ft. The release bolt and push rod should be in the position shown in Figure 1a.
- 5) With hands clear of moving parts, slowly release the air pressure to the parking brake port (12). Be sure to exercise caution to prevent pinching of fingers.

Notes

As always, follow all recommended safety procedures when performing any service on your vehicle.

- 1) The release bolt cannot be removed from the parking brake.
- 2) The nut is permanently attached to the release bolt.
- 3) Unless a vehicle must be moved in an emergency situation, NEVER ATTEMPT to **Cage** or **Un-Cage** the parking brake without applying air pressure (100 psi) to the parking brake port (12). This practice may damage the caging bolt and/or the parking brake which could result in the need to replace the spring brake actuator.
- 4) **DO NOT USE** an impact wrench to rotate the caging bolt.
- 5) Please refer to service data sheet SD-23-7541 (BW7308) for complete service instructions for Air Disc Brakes products from Knorr Bremse, Bendix and Bendix Spicer Foundation Brake.

