

MGM Disc Brake Release Bolt Field Service Check

Purpose:

1. Verify;
 - a. Release Bolt is caging correctly (74 Ft-Lb).
 - b. Inspect Retaining Nut for signs of damage.
 - c. Set the Release Bolt to Uncaged (55 Ft-Lb).

Tools:

1. 3/8" drive socket wrench
2. 3/8" drive 100 Ft-Lb calibrated ratcheted clicker style torque wrench.
3. 3/4" socket
4. Torque Seal
5. Paint Pen

Integral Release Bolt



Safety Tips

1. Make sure you have 130 psi air tank pressure +/- 5 psi prior to Release Bolt check.
2. Be aware that the Release Bolt Check is done with the brakes released. Please re-apply the Parking Brake at completion of check.
3. Wheel chock the bus when performing Release Bolt Check in a pit.

Step 1 - Releasing the rear brakes

1.1



Turn power on to, Day Run.

1.2



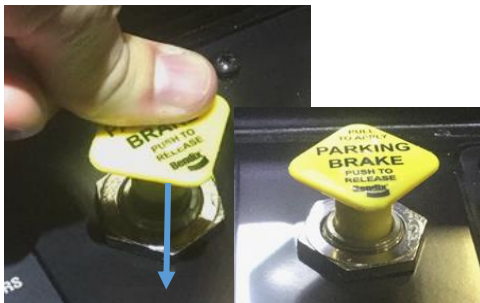
Set Interlock to, Override.

1.3



Verify Interlock Deactivation on Lamp bar.

1.4



Release Parking Brake



Bendix Parking Brake is a pull to apply.



Sealco Parking Brake is a push to apply.

Note, Sealco Parking Brake release is, pull up to release.

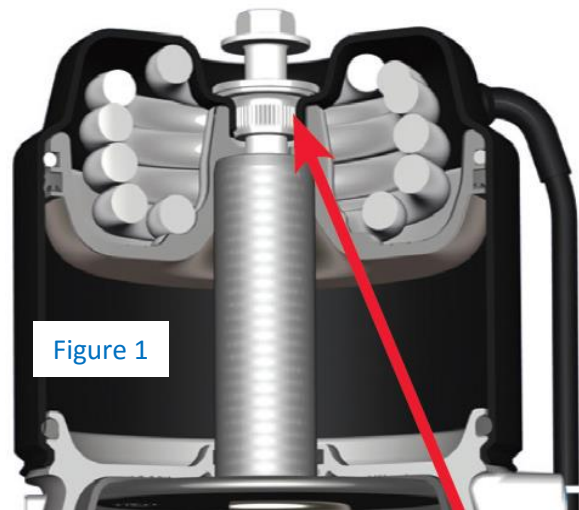
WARNING
PARKING BRAKE IS NOW RELEASED.
APPLY PARKING BRAKE AFTER COMPLETION OF ALL THE FOLLOWING STEPS.

Step 2 - Set Release Bolt to Caged position and Inspect

2.1

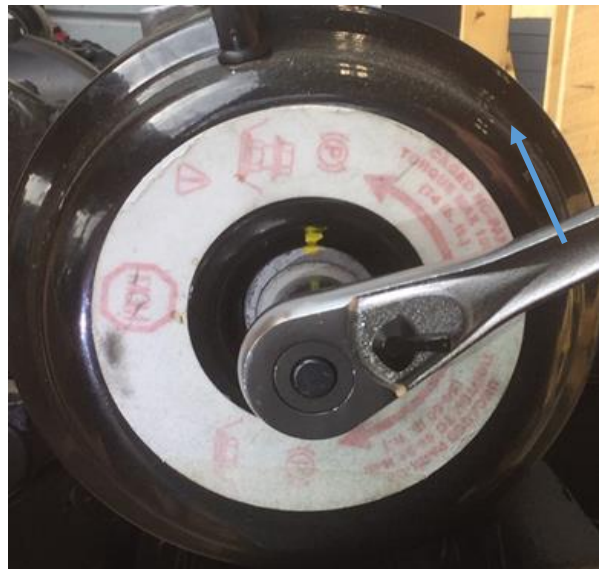


Place a Paint pen mark at 12 o'clock on the Retaining Nut to brake pod.

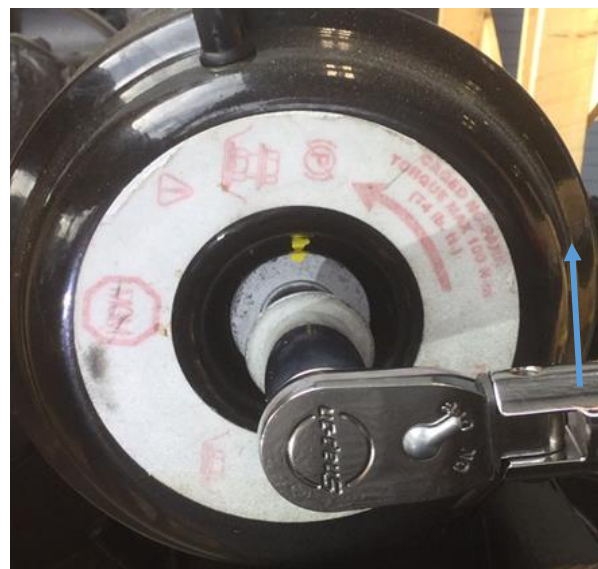


Retaining Nut

2.2



2.3



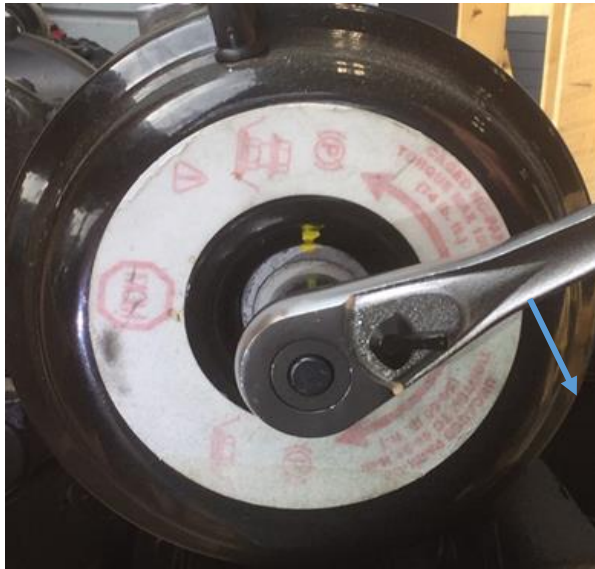
2.4

- Verify that the Retaining Nut hasn't moved.
- Inspect around the Retaining Nut and Release Bolt for any signs of damage.
- If the Retaining Nut spins or you can't achieve torque on Release Bolt; then, the entire Brake Pod needs to be replaced.



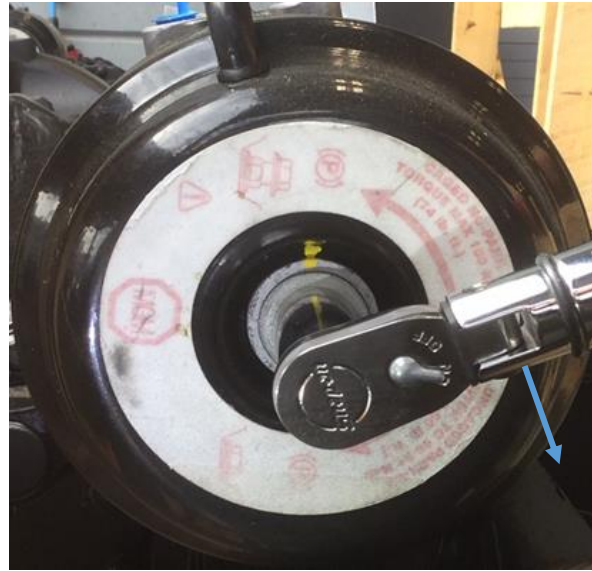
Step 3 - Set Release Bolt to Uncaged

3.1



In a clockwise direction, rotate the Release Bolt to Uncaged position.

3.2



Torque Uncaged position of Release Bolt to 55 Ft-Lb.

3.3

- Verify that the Retaining Nut has not moved while torquing the Release Bolt to the Uncaged Position.
- If the Retaining Nut spins or you can't achieve torque on Release Bolt; then, the entire Brake Pod needs to be replaced.
- Mark the Release Bolt with Torque seal in the 6 o'clock position as seen in picture to the right.
- Apply Parking Brake**
- Follow Step 1 in reverse to safely set vehicle back in it's original condition.



MGM Disc Brake Release Bolt Check Complete