

Bridgemaster® Compensator Pump Setting Instructions

Date: July 06, 2022
Bulletin Name: MXR-TSB-030
Model: Bridgemaster Mixer 93

Purpose:

McNeilus Truck and Manufacturing has identified an issue where certain McNeilus Bridgemaster® vehicles produced between July 1, 2020 and April 17, 2022 may have the incorrect compensator setting on the pump which controls the maximum pressure adjustment for the tag axle. In some cases, the maximum pressure may be set to 2900 psi instead of 3200 psi. If the maximum pressure was not set correctly, depending on the load configuration of the truck, this may place additional weight on certain axles and may not allow the truck to conform to local bridge laws. The steering, braking, and handling of the truck is not affected by this issue.

Notice:

- This bulletin should be read and understood in its entirety before performing this procedure.
- All procedures outlined in the bulletin must be performed by skilled service personnel. Refer to the product service manual for descriptions of maintenance procedures.

SAFETY NOTICE

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

SAFETY NOTICE

Use appropriate Personal Protective Equipment (PPE) as required by your company.

Tools and Equipment Required:

Customer to supply:

- 7/16" wrench
- 1/2" wrench

Procedure:

1. Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate. Place the vehicle on a flat surface and block tires.
2. Locate the BM pressure reducing valve knob (Figure 1).

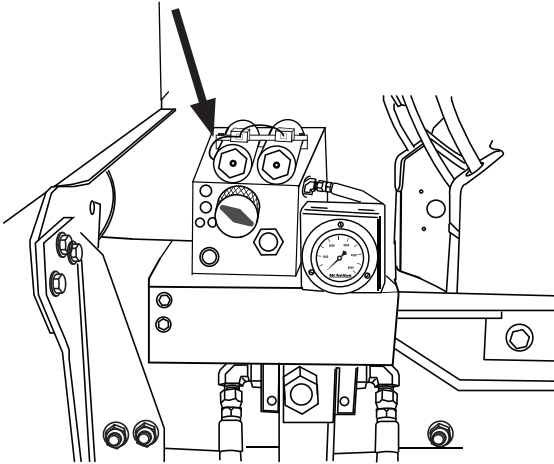


Figure 1

3. Ensure the BM pressure knob is turned all the way to the left (counterclockwise) (Figure 2).

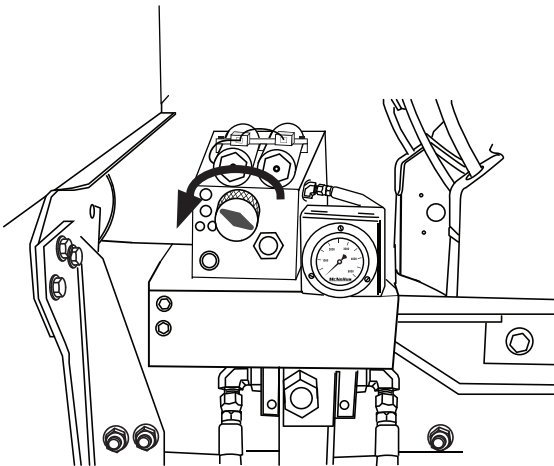


Figure 2

4. Start truck.
5. Raise Bridgemaster axle.
6. Turn the BM pressure knob all the way to the right (clockwise) (Figure 3).

IMPORTANT: Be certain the Bridgemaster axle is in the fully raised position before turning the pressure knob to the right. Failure to do so may cause the hydraulic system to develop enough pressure to raise the drive axles off the ground.

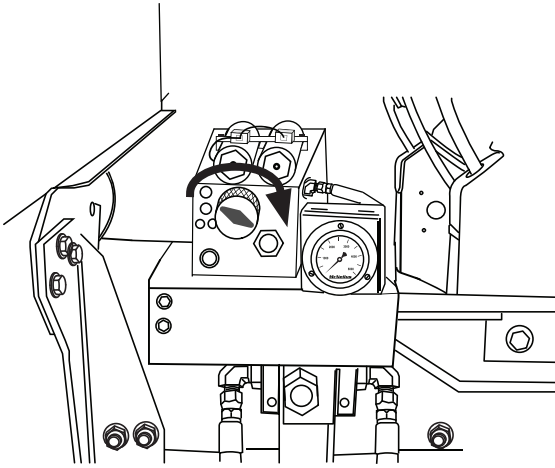


Figure 3

7. The pressure gauge should read approximately 2700 PSI before adjusting compensator.
8. Locate the Parker pump compensator adjustment spool on the top of the pump (Figure 4 and Figure 5).

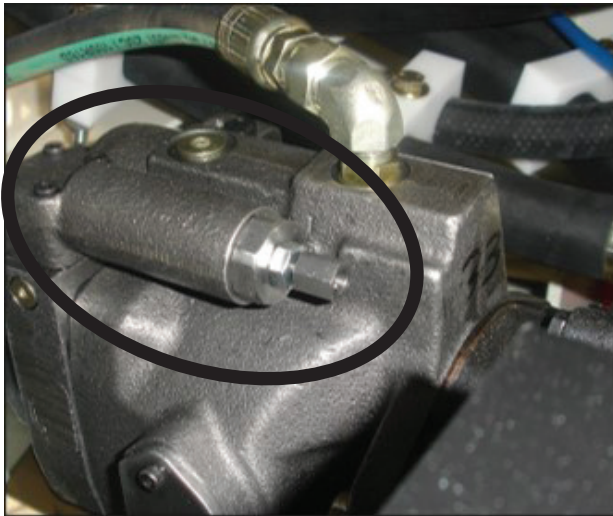
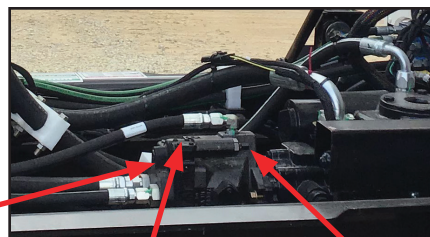


Figure 4



Parker Pump

Compensator

Figure 5

9. Use a 7/16" wrench to turn the adjuster screw clockwise to increase pressure or turn the adjuster screw counterclockwise to decrease the pressure.

10. Locate the Bridgemaster pressure placard (the placard is posted on the water tank saddle if the truck has cross mount water tank configuration or otherwise it is next to the Bridgemaster pressure knob) and refer to the highest pressure on the placard. On the placard, the highest pressure will be the lowest row with a payload designation. In Figure 6, the example shows the lowest row is 9.18 meters or 12 yards. Note that if a pusher axle is not installed, then the “Set pushers at” row as shown on example Figure 6, will not be present on the placard.
- If the pressure on the gauge is greater than the pressure provided on the placard (lowest row of the placard), no further action is required, the procedure is complete, remove your company’s Lockout/Tagout procedure.
 - If the pressure is less than the pressure provided on the placard, continue to Step 11.

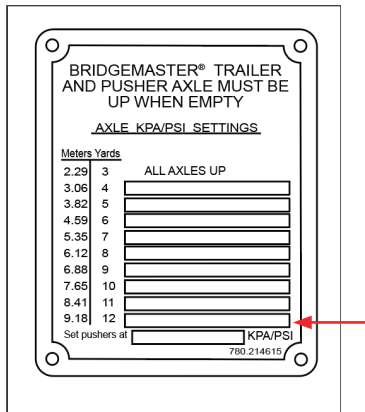


Figure 6

11. Turn the adjuster screw until the gauge reads the highest pressure stamped on the Bridgemaster pressure placard.
12. Once the proper pressure is achieved, use a 1/2" wrench to tighten the jam nut while holding the adjusting screw.
13. Turn the pressure adjustment knob all the way to the left (see Figure 2 for reference).
14. Remove your company’s Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate. Lower Bridgemaster axle if desired.
15. Procedure is complete. Return truck to service.

Labor Reimbursement:

In order to receive credit if you qualify, claims must be submitted through the normal McNeilus Warranty claim system*. Claims must be received within 30 days of the repair. Claims must include the McNeilus serial number of the truck, the customer asset number, and the number of this bulletin. NOTE: One claim per truck.

Labor Reimbursement: 15 minutes

Labor Reimbursement Rate: \$50/hr.

Deadline:

If required, this service update should be performed at the earliest opportunity. The following terms must be met to qualify for reimbursement cost.

- For reimbursement, a warranty claim form with proof of installation must be submitted by: **June 30, 2023**



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