

**Inspect sequencing valve o-ring during slow cycle times**

**Date:** April 16, 2020  
**Bulletin Name:** FEL-TSIB-057  
**Model:** Meridian 78  
**Model Year:** 2016 – present

**Purpose:**

On the Meridian Front Loader, during performance issues such as slow functions, packing light loads, inability to lift heavy cans, it is recommended to inspect the O-rings on the sequencing valves. The sequencing valve O-rings may be experiencing premature failure and may begin to be unable to maintain its seal. These instructions discuss when and how to inspect the O-ring to determine if the O-ring is failing.

There is the possibility of two different sequencing valves used on the Meridian Front Loader.

- Comatrol sequencing valve is described as a hex shaped cartridge.
- Hydraforce sequencing valve is described as a round shaped cartridge.

**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:

- 5000 PSI gauge

**Parts Required (Order from McNeilus):**

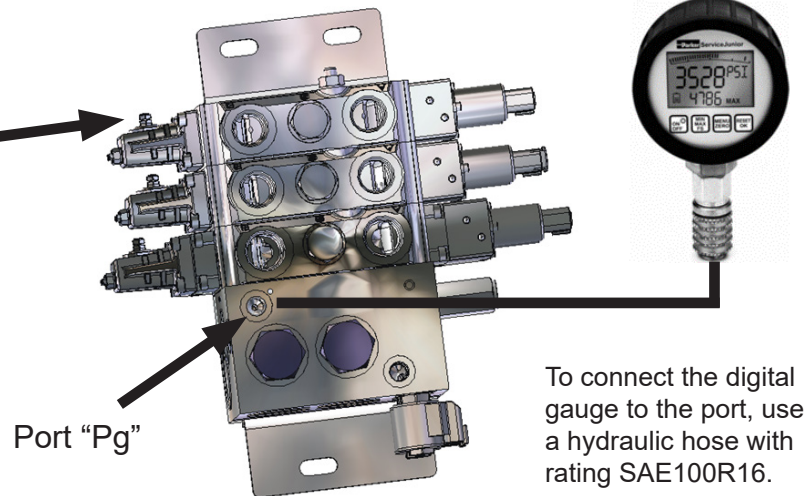
Item	P/N	Qty.	Description
1	1619802	1	O-Ring Replacement Kit

## 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 in park with the parking brake engaged, chock vehicle wheels, disconnect vehicle battery (see service manual for instructions if needed).
2. Attach pressure gauges to the street side valve (Figure 1).
3. The gauge should read 2610 PSI (+/- 25 pSI). If the O-rings are beginning to fail or have failed, the gauge will typically read below 2000 PSI.



Figure 1



4. Remove the sequence valve body from the main control valve and inspect the O-rings as identified in Figure 2.
5. Look for missing O-rings or any damage to either O-ring #1 or O-ring #2.
6. If there are damaged or missing O-rings, replace the O-rings with McNeilus replacement O-ring kit PN 1619802.

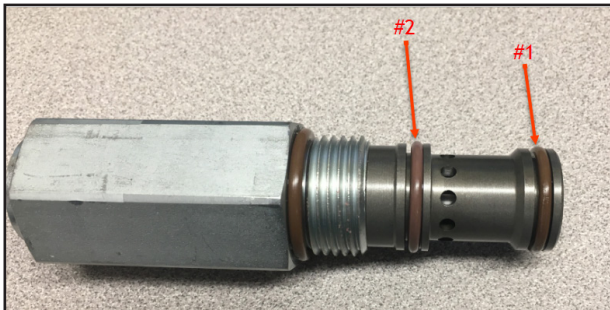


Figure 2

7. After inspecting and installing new O-rings if necessary, reinstall the sequence valve body in to the main control valve.
8. Procedure is complete. If the technician completes this procedure and is still experiencing issues, then proceed with the normal troubleshooting steps.
9. Return truck to service. 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. Disengage the parking brake, reconnect vehicle battery (see service manual for instructions if needed), remove vehicle wheel chocks.



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