

## **Vehicle Safety Recall - Technical Service Bulletin**

### ***PROMPT ACTION REQUIRED***

**Attention:** McNeilus Product Owner  
**Subject:** Bridgemaster V Mixer Optional Parking Brake System  
**Models Affected:** Bridgemaster V Mixer  
**Date:** March 2015

#### **Purpose:**

McNeilus Truck and Manufacturing, Inc. has decided that concrete Bridgemaster V (BMV) Mixers built with an optional parking brake system fail to conform to Federal Motor Vehicle Safety Standard No. 121 Air Brake Systems. Vehicles fitted with this optional system were built with a valve that fails to comply with FMVSS 121 Section 5.7.2 Emergency Brake System Operation because it will allow the secondary pressure to fall to the required 45 psi after one treadle application in a simulated bleed down test. The remedy consists of the installation of a check valve in the air brake system which brings the units into full compliance with FMVSS 121 Air Brake Systems.

#### **Affected Vehicles:**

The affected vehicle population consists of McNeilus Bridgemaster V Mixer units built with the optional parking brake system on the trailing lifttable axle and shipped between October 2005 and December 2014.

#### **Time Completion:**

Upon receipt of the parts, complete the enclosed Bridgemaster V Mixer Optional Parking Brake System Check Valve Installation Procedure for each affected unit. The time of accomplishment may vary due to a number of factors; however, the estimated time for completion of the procedure per unit is 2.0 hours under normal circumstances.

#### **Required Action:**

Review and verify your ownership of all affected serial numbers of BMV. If McNeilus records indicate that you are the owner of one or more affected units, a Serial Number List is enclosed. Please be reminded that it is a violation of Federal law for you to sell or lease the BMV covered by this notification until this recall has been performed on these vehicles. Substantial civil penalties apply to violations of this law.

#### **Reimbursement of Costs:**

Affected units shall be repaired using the customer's own qualified service technicians - at no cost to the owner. The repairs should take approximately 2.0 hours.

#### **Labor Reimbursement:**

In order to receive credit, claims are to be submitted through the 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 this bulletin number.

#### **Parts Reimbursement:**

Parts and ground shipping will be reimbursed to the customer. Parts necessary for this repair must be ordered from McNeilus Parts at 888-686-7278.

Claims are to be submitted through the 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 this bulletin number.

**Contacts:**

If you have questions or need further information, please contact a National Service Representative at 1-888-686-7278.

**Enclosures:**

Bridgemaster V Mixer Parking Brake System Check Valve Installation Procedure  
VIN List of Affected Vehicles

**PROCEDURE: BMV Optional Parking Brake Check Valve Inspection and Installation****Tools and Equipment Required (Customer to supply own):**

- Wrench

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

Item	Part Number	Description	Qty.
1	1854390	CHECK VALVE, 90 DEG, SGL	1

**SAFETY NOTICE**

**Before entering the Mixer drum or performing any maintenance to the Mixer, read and follow OSHA Regulations concerning entry and working in "CONFINED SPACE" OSHA 1910.146 and "LOCKOUT/TAGOUT" OSHA 1910.147.**

**Follow OSHA Regulations while performing any work to the Mixer.**

**Follow all safety instructions in your Oshkosh Mixer Manual.**

**Shut off truck engine, lock cab doors, and keep keys in your pocket before entering drum, or performing any work to the Mixer.**

**Place magnetic "DANGER" signs on both cab doors. Failure to do so can result in serious personal injury or death.**

**If you have any questions regarding this notice or require further assistance, call a National Service Representative at 888-686-7278.**

**Procedure: Inspect for RE-6 Valve and Install the Check Valve**

1. Place unit on a flat surface and block truck tires, observe all conditions of the Safety Notice concerning Lockout/Tagout posted in this bulletin.
2. Locate the relay valve inside the rear pedestal.
3. Determine if it is a R-12 or RE-6.
  - R-12 is a flat topped valve (Figure 1). If the valve is R-12, this bulletin is complete and no action is required. Remove the conditions of Lockout/Tagout and return the truck to service.
  - RE-6 is a domed topped valve (Figure 2). If the valve is RE-6, continue with the installation procedure of this bulletin (starting at Step 4).



Figure 1: R-12 Valve inside the rear pedestal has a flat top.

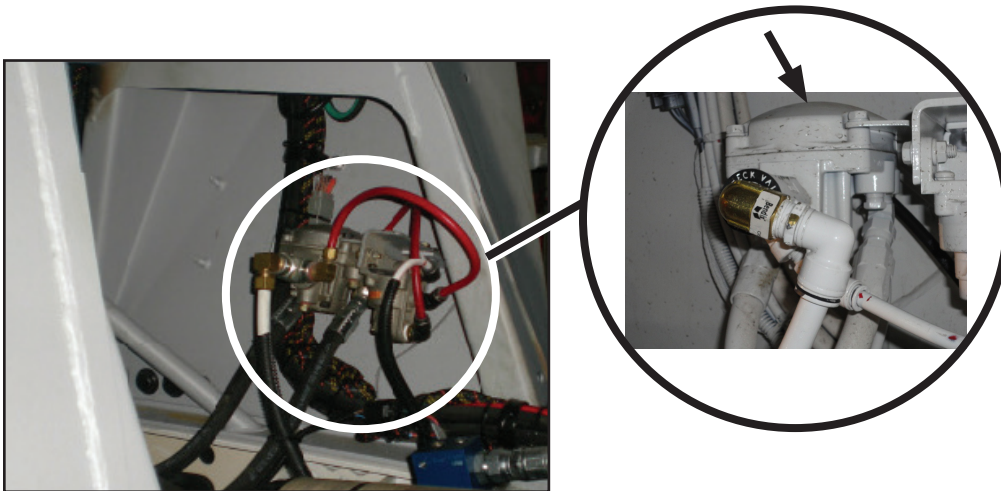


Figure 2: RE-6 Valve inside the rear pedestal has a domed top.

4. Drain the air systems by opening all OEM pet cocks (pet cocks are found on the air tank or by remote). Refer to the OEM instructions for draining the air systems.

5. Locate the air supply line (Figure 3).



Figure 3: Locate the air supply line.

6. Unhook the air supply line from the RE-6 valve.
7. Install the PN 1854390 check valve onto the RE-6 valve (see Figure 4). Tighten until secure.

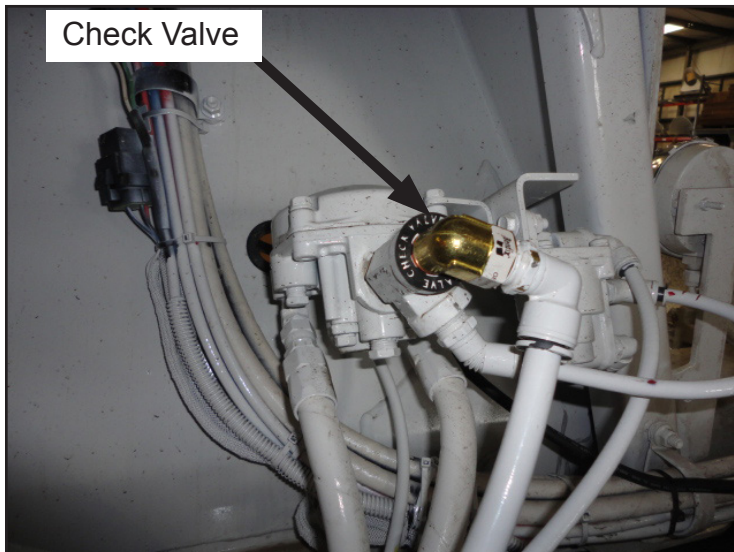


Figure 4: Install the check valve on to the RE-6 valve.

- Attach the air supply line to the check valve (Figure 5). Tighten until secure.

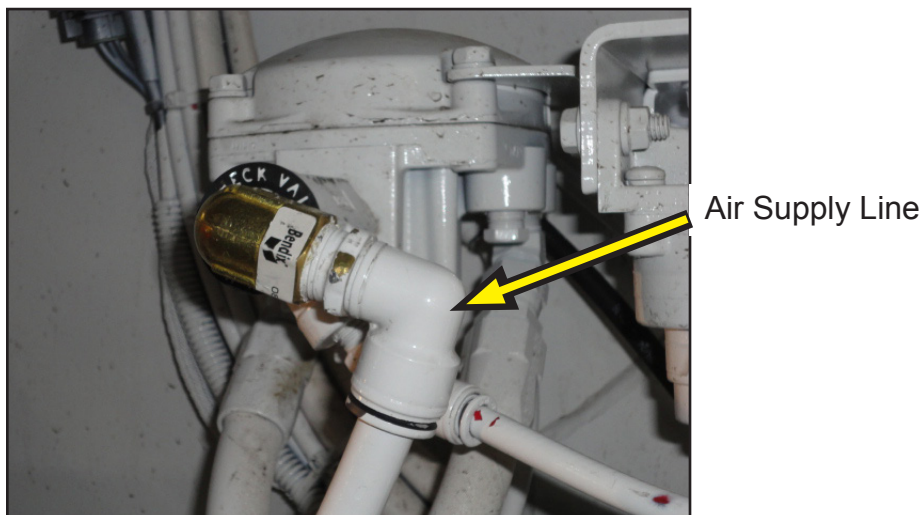


Figure 5: Attach the air supply line to the check valve.

- Fill the air systems with air by closing all OEM pet cocks (pet cocks are found on the air tank or by remote) and start the engine. Refer to the OEM instructions for filling the air systems.
- When the air system is filled with air, perform a standard leak test.
  - If leaks are found, tighten fittings.
- When no leaks are found, the procedure is complete. Remove the conditions of lockout/tagout and return truck to service.

### Continuous Improvement:

The change included in this bulletin is part of the McNeilus® Continuous Improvement Process.

*McNeilus® Company's quality policy is Providing Customer Satisfaction through Innovative Products, Dedicated Service, and a constant focus on Continuous Improvement.*

***"The Customer is our Boss!"***



**(888) 686-7278**

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