



## SAFETY NOTICE

**VSR-TSB-008**

NHTSA Campaign Number: 15V-536

# Vehicle Safety Recall - Technical Service Bulletin

## ***PROMPT ACTION REQUIRED***

**Attention:** McNeilus Product Owner  
**Subject:** Zero Radius Arm Transit Latch  
**Models Affected:** Zero Radius 6' reach arm and 12' extended reach arm  
**Date:** October 2015

### **Purpose:**

McNeilus has decided that a concern affecting safety exists in some McNeilus Zero Radius (ZR) vehicles with the unintentional release of the transit arm latch allowing the ZR arm to drift from the stored position during transit when the hydraulic pump is off. If the latch unintentionally releases and the arm drifts away from the stored position, it would exceed the overall vehicle truck width which could result in a vehicle crash or injury. Under normal circumstances, the arm will set off a visual and audible alarm in the operator's cab warning the driver that the arm has left the stored transit position if the vehicle is moving faster than seven (7) mph. McNeilus requires a secondary transit arm latch system be installed on the vehicle to help reduce drifting of the arm if the first transit arm latch unintentionally releases when the vehicle is in transit.

### **Affected Vehicles:**

The affected vehicle population is all McNeilus Zero Radius trucks with the 6' reach arm or 12' extended reach arm.

### **Completion Time:**

Upon receipt of the parts, complete the enclosed ZR Transit Arm Latch 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 is 1.0 hour per unit under normal circumstances.

### **Required Action:**

Review and verify your ownership of all affected serial numbers of ZR. 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 ZR covered by this notification until this recall has been performed on these vehicles. Substantial civil penalties apply to violations of this law.

**Parts Distribution:**

Parts for this installation will be mailed to you.

**Additional Information:**

Please return the postage paid postcard to McNeilus to indicate your completion of the recall.

If you no longer own this vehicle, please contact McNeilus at 1-888-686-7278 to assist us in updating our records, or indicate on the postcard.

**Contacts:**

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

**Literature on the ZR Arm Transit Latch Usage:**

Updated PDF editions of the Operator's Manual with the ZR arm transit latch usage instructions are found at [www.streetsmartparts.com](http://www.streetsmartparts.com), or you may request a print version free of charge by calling 888-686-7278.

**Enclosures:**

ZR Arm Transit Latch Installation Procedure  
VIN List of Affected Vehicles

**PROCEDURE: ZR Arm Transit Latch Installation****Tools and Equipment Required (Customer to supply own):**

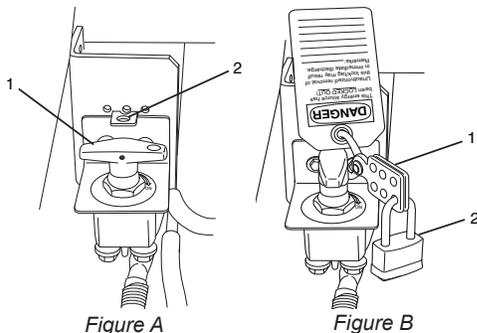
- Electric drill with bit sizes 7/32" and 7/16"
- Torque wrench
- Machinist's marker
- Welding equipment
- Shear, cut off wheel, band saw, or reciprocating saw

**Parts Required (provided by McNeilus):**

Item	Part Number	Description	Qty.
1	1515388	RETAINER PLATE FOR MAST	1
2	1515394	RETAINER CHAIN BOOM ASSEMBLY (Includes: - CHAIN WITH CLIP ASSEMBLY - 1/4" CHAIN LINK - BOOM RETAINER PLATE)	1
5	1243637	SCR, FLG, HEX .38-16 X 1.25 G8 ZY	2
6	0120177	NUT, HEX, LKDT .38-16 GC ZC	2

**Procedure A: Install the Arm Transit Latch**

1. Place unit on a flat surface and block truck tires.
2. Put the grabber in the down position.
3. Move the mast assembly out from the truck.
4. Observe all conditions of the Safety Notice concerning Lockout/Tagout posted in this bulletin.
5. **Battery Disconnect Switch**  
If your vehicle is equipped with a BATTERY DISCONNECT switch, it is located near the battery box. Use the battery disconnect switch when performing any maintenance so the vehicle cannot accidentally be started.
  1. Turn the battery disconnect switch (Figure A, Item 1) counterclockwise so the hole on the switch aligns with the hole in the bracket (Figure A, Item 2).
  2. Install the safety lockout device ring (Figure B, Item 1) through the holes on the battery disconnect switch and the bracket.
  3. Install a padlock (Figure B, Item 2) onto the safety lockout device ring, lock it, and put the key in your pocket. If more than one person is working on the vehicle, each person must install his or her own padlock.

**SAFETY NOTICE**

Before entering Packer body or performing maintenance to the Packer, 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 Packer.

Follow all safety instructions in your McNeilus Packer Manual.

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

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 McNeilus at 888-686-7278.

**WARNING**

For trucks without a battery disconnect switch, to prevent accidental vehicle start-up, which could cause death or serious injury, disconnect battery cables (negative cable first) before proceeding.

Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury.

6. **Mast:** Remove the two bolts and retainer plate from the mast (see Figure 1). Retain the bolts and discard the retainer plate.

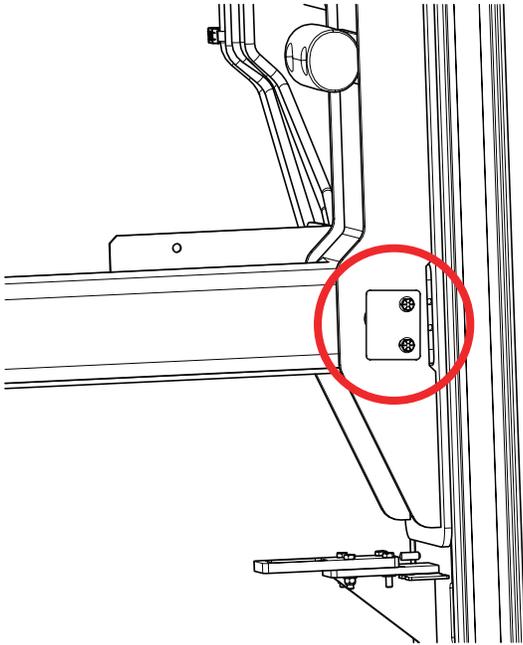


Figure 1: Remove and discard the old retainer plate from the mast. Retain the bolts.

7. Line up the new retainer plate assembly (P/N 1515388) to the existing holes on the mast (see Figure 2). Use the existing bolts to secure the plate to the mast. Use a torque wrench to torque the bolts to 35 ft-lbs.

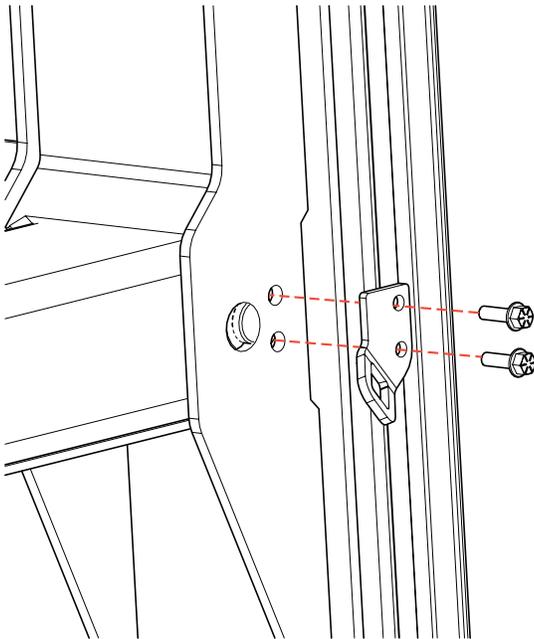


Figure 2: Install the new retainer plate and use the existing bolts to secure it.

- The installation on the mast is now complete. The next steps involve the truck body.

## Truck Body

If you have a 6' reach arm, skip to Step 13. If you have a 12' reach arm, continue with Steps 8-11.

8. **ZR 12' Reach ONLY:** If you have a 12' extended reach arm, remove and retain the (four) bolts securing the boom cover plate onto the boom (Figure 3).
9. Remove and retain the cover (Figure 3). The cover needs to be cut down to allow the chain to reach.

### 12' Extended Reach Arm Only

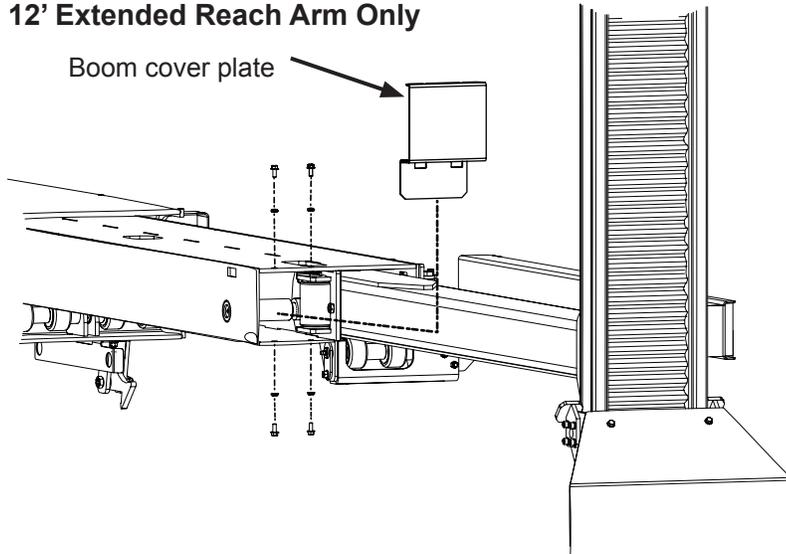


Figure 3: Location of and removal procedure of the boom cover plate.

10. On the bottom edge of the cover, measure and mark 1/4" up from the bottom edge (Figure 4).
11. Cut off 1/4" from the bottom edge using a cutting tool such as a shear, cut off wheel, band saw, or reciprocating saw (Figure 5).

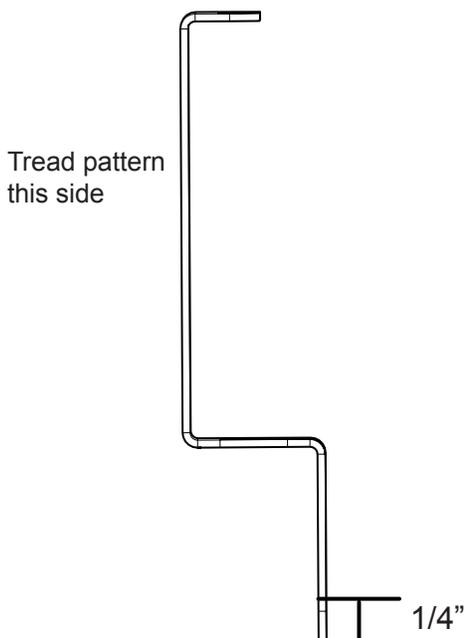


Figure 4: Measure 1/4" on the bottom edge.

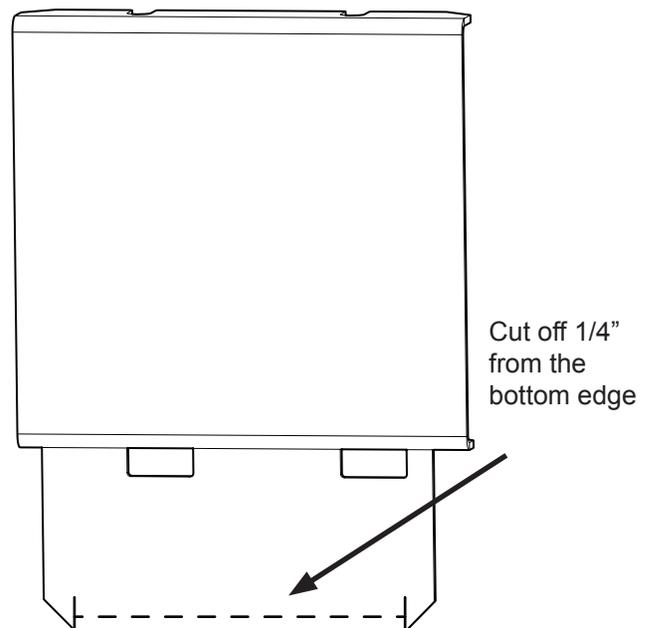


Figure 5: Cut off 1/4" from the bottom edge.

12. Reinstall the cover with the (four) bolts onto the boom.

13. **For both the ZR 6' and ZR 12' trucks:** Locate the area on the body for the boom retainer plate assembly (P/N 1515394) (Figure 6 shows the view from below the body).
14. Position the plate so that the two smaller identical holes are under the boom. Place the plate so that the holes are approximately 3/4" from the outside edge (which is the left side when facing) and approximately 3/4" from the front edge. See Figure 6 for a detailed illustration of the measurements shown from below the truck.

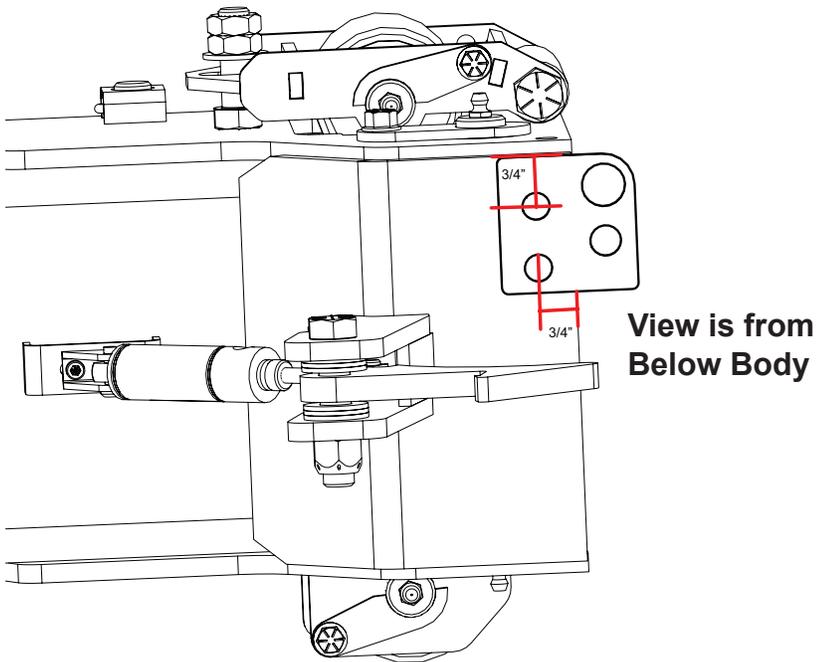


Figure 6: View from Below Body. Measure and place the boom retainer plate assembly (P/N 1515394).

15. Use a machinist's marker to mark the location of the holes for drilling.
16. Use a 7/32" drill bit to drill starter holes in the locations marked.
17. Use a 7/16" drill bit to drill out the holes in the locations marked.

### **CAUTION**

**Be careful not to hit the bushing or damage may occur to the bushing.**

18. Install the boom retainer plate assembly (P/N 1515394), lining up the smaller holes with the drilled holes on the boom.
19. Secure the boom retainer plate with the (2) new bolts (1243637) and nuts (0120177).
20. Use a torque wrench to torque the bolts to 35 ft-lbs.
21. Remove the conditions of Lockout/Tagout and reconnect the battery switch.
22. Move the ZR mast back to the in-home position which is into the body.
23. Close the grabber fingers and return the grabber to the stowed position in the hopper.
24. Clip the chain's clip end onto the retainer plate that is on the arm. This is the "in-transit" position.
25. The arm latch chain installation procedure is complete. Return truck to service.
  - Refer to Page 7 for arm latch chain usage instructions.
26. Please return the postage paid postcard to McNeilus to indicate your completion of the recall.

### How to Use the Arm Transit Latch Chain:

1. When the truck is in transit, the arm latch chain must be used.
2. Clip the chain's clip end onto the retainer plate that is on the mast. See Figure 7.

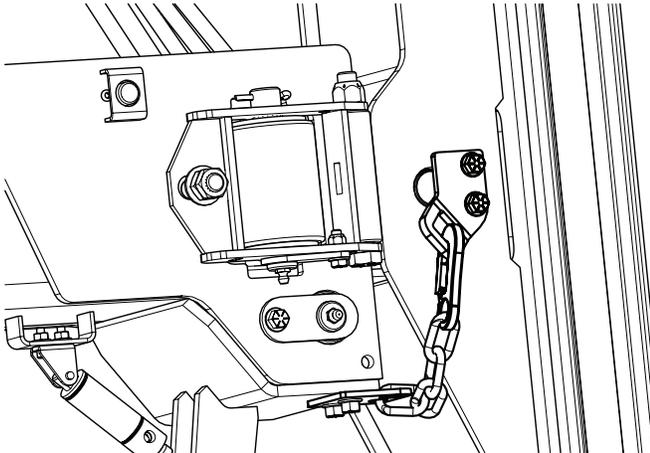


Figure 7: When in transit, make sure the chain is hooked onto the arm retainer plate.

3. The arm latch chain must be disconnected before the arm can be extended. If the operator attempts to extend the arm with the chain still latched, the chain will break and it will need replacing. The transit arm latch is only intended to keep the arm from drifting out of the stored position in case of a hydraulic system failure when the pump is off.
4. After disconnecting the latch chain from the arm, stow the arm latch chain by hooking the clip to the larger hole on the boom retainer plate (Figure 8) while the ZR is not in transit.

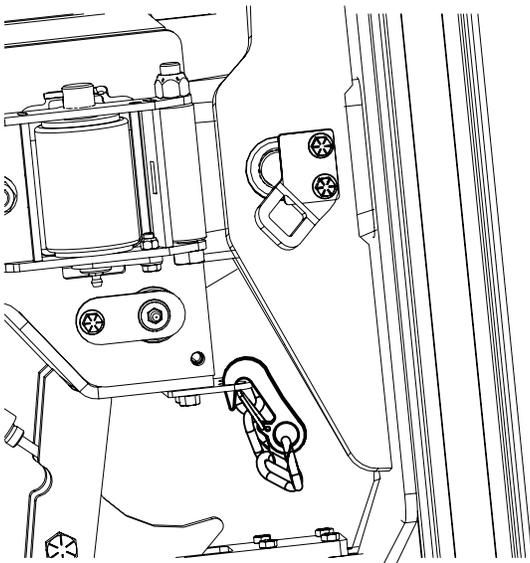


Figure 8: When the arm is in use, make sure the chain is hooked onto the boom retainer plate.

### **CAUTION**

The arm latch chain must be disconnected before the arm can be extended. Failure to disconnect before extending will result in the chain breaking and it will need to be replaced.

### 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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