

# SAFETY RECALL

Mack Trucks Inc.  
Greensboro, NC USA



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Date	Number	Page
01.2015	SC0386	1 (11)

## Automatic Over-Speed Protection (AOSP) Shutdown system CHU, CXU, GU

### SAFETY RECALL INFORMATION:

(January 2015)

Mack Trucks North America has determined a defect related to the Automatic Over-Speed Protection (AOSP) shutdown system may exist in certain Mack CHU, CXU, and GU trucks manufactured from January 1, 2014 to August 20, 2014.

The AOSP shutdown system may have been wired incorrectly, triggering improper operation of the system. Improper operation of the AOSP shutdown system presents the potential of an unintended increase in the engine's rpms if airborne hydrocarbons (combustible vapors) enter through the air intake. Additionally, the operator may not be able to control the increase in the engine's rpms and potentially cause catastrophic engine failure and/or engine fire.

MACK Trucks has received no reports of a catastrophic engine failure and/or engine fire as a result of the condition described in this Safety Recall.

MACK Trucks considers this safety recall a proactive measure to protect their customers and their drivers.

### VEHICLES AFFECTED:

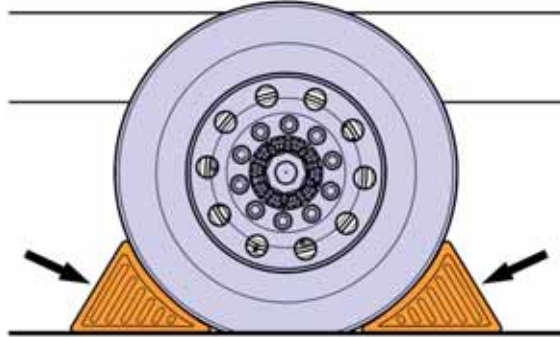
Certain 2015 MACK CHU, CXU, and GU model vehicles manufactured with an Automatic Over-speed protection system from January 1, 2014 through August 20, 2014.

### VEHICLE IDENTIFICATION NUMBERS (VIN):

The number of vehicles affected by this recall is 40 (8 USA, 32 and Canada).

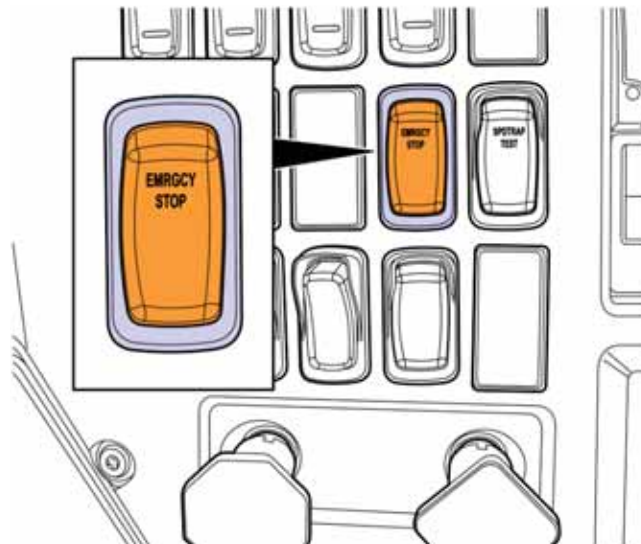
## REPAIR PROCEDURE:

1. Secure the vehicle for service by parking on a flat and level surface, applying the parking brake, chocking the rear wheel, and placing the transmission in neutral.

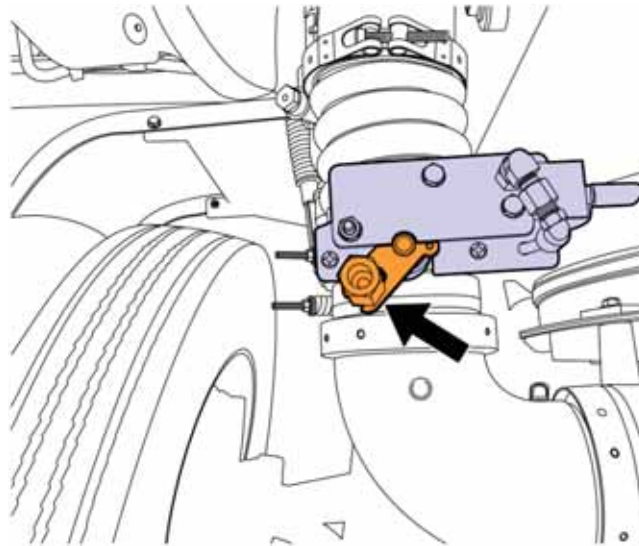


2. Start the engine.
3. Turn on the **EMERGENCY STOP** switch.

NOTE
The engine must shut down immediately. If the engine fails to shut down immediately, turn the key to the off position and go to step 6.



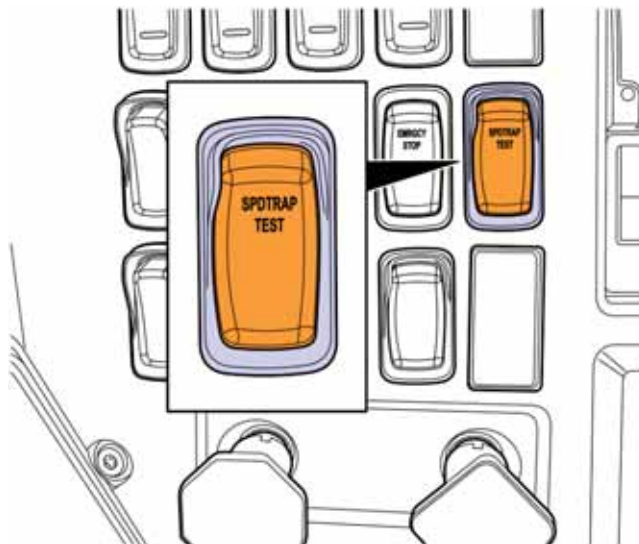
4. Open the hood and reset the air intake baffle to the **run position** as shown in the figure below.



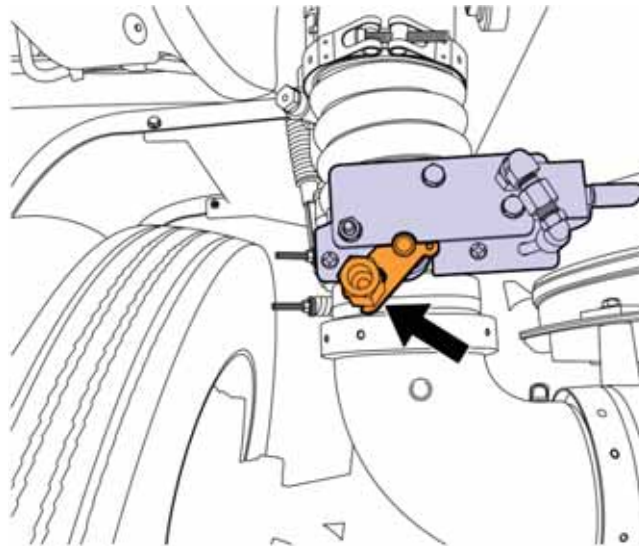
5. Start the engine.
6. Turn on the **SPEED TRAP TEST** switch.

**NOTE**

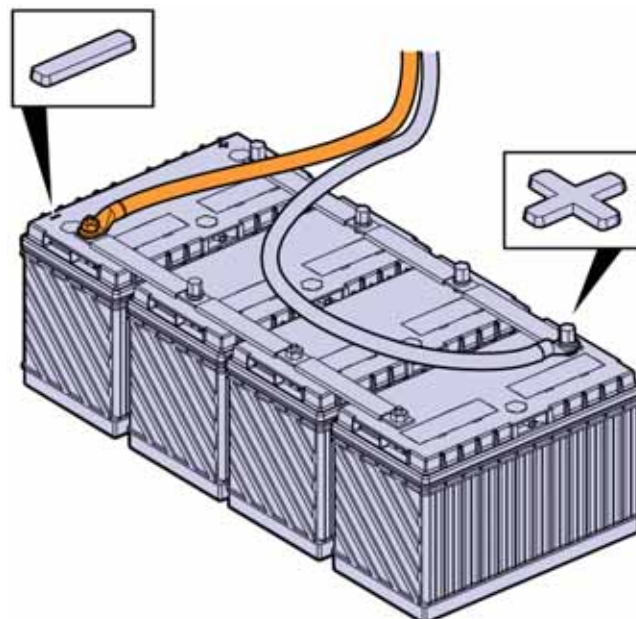
The engine must shut down when the engine rpms range from 1600 to 1800.



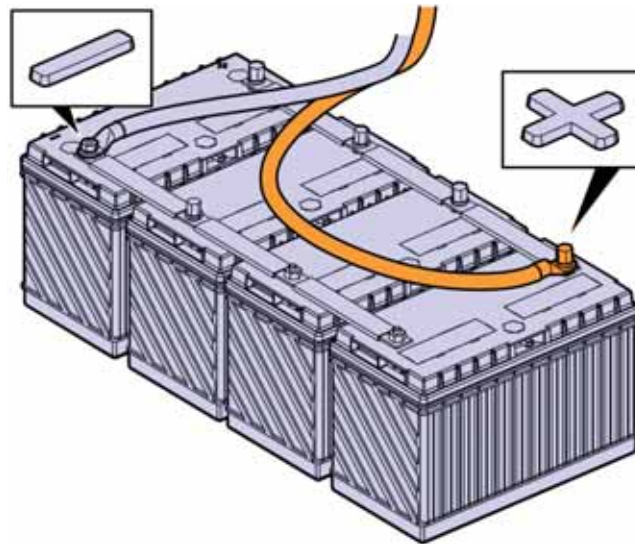
7. Open the hood and reset the air intake baffle to the run position as shown in the figure below.



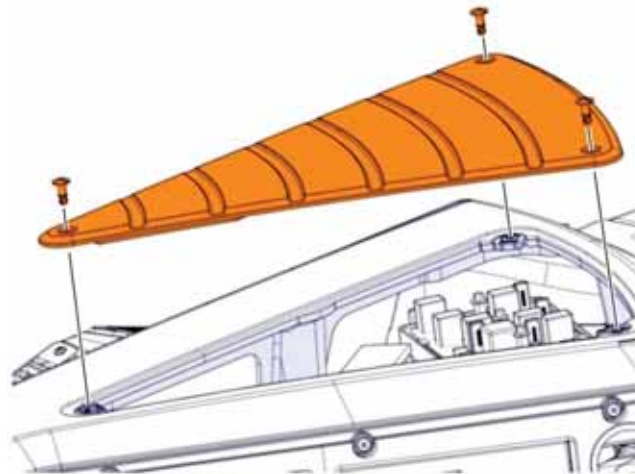
8. If the truck passes steps 1 – 7, stop here and release truck. If the truck fails any of the tests in steps 1 – 7, proceed to step 9.
9. Disconnect the cable from the battery's negative (ground) terminal.



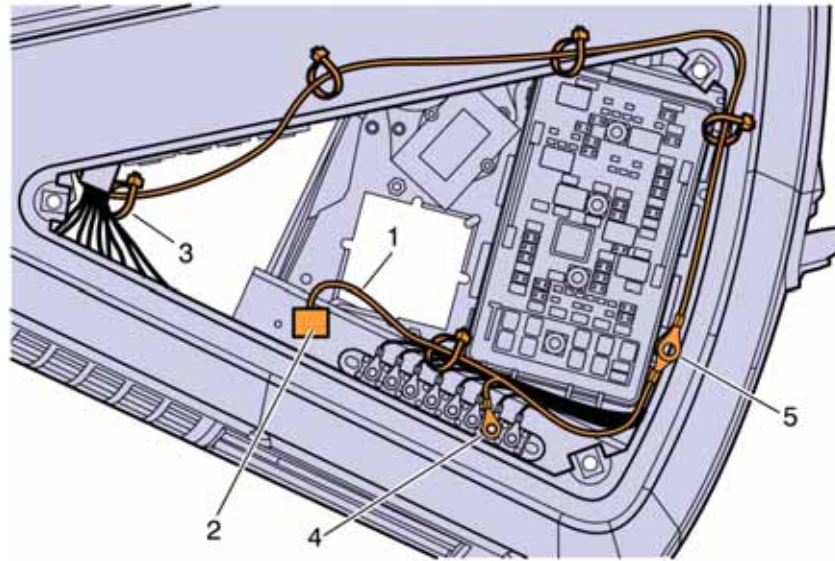
10. Disconnect the cable from the battery's positive terminal to prevent electrical shock and damage to the truck's electrical system.



11. Remove the fuse/relay panel from the dash to check the **REVGUARD** wiring harness.

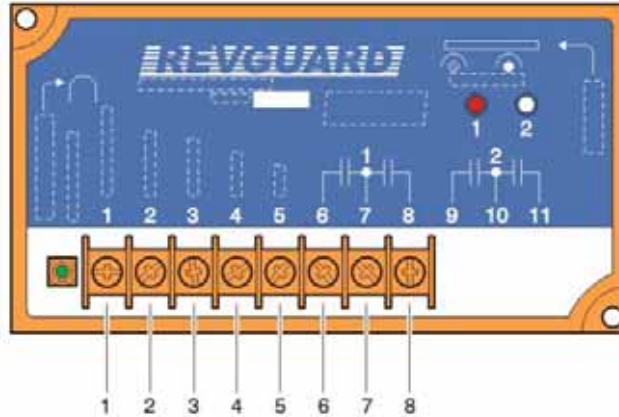


12. Verify the **REVGUARD** wiring harness (1) is secured with cable ties (3) as shown.
13. Check the terminal connection at **BEC\_P3** (Batt +) (5).
14. Check the terminal connection at **X40** stud 7 (Ground) (4).
15. Ensure fuse **SF1** (20A) is intact and securely fastened (2).



16. Remove the under dash panels left and right of the dog house
17. Remove the fasteners securing dog house covering to gain access to the AOSP shutdown module.
18. Locate the REVGUARD AOSP shutdown Module left hand side of the dog house.

19. Check the ring terminal connection at position 1, **FB09A5** (Battery +) of the **REVGUARD** AOSP Shutdown Module.
20. Check the ring terminal connection at position 6, **FB09C1** (Engine 12V+) of the **REVGUARD** AOSP Shutdown Module.
21. Check the ring terminal F11D connection at position 7, **FB09A6** (Speed Switch) of the **REVGUARD** AOSP Shutdown Module.

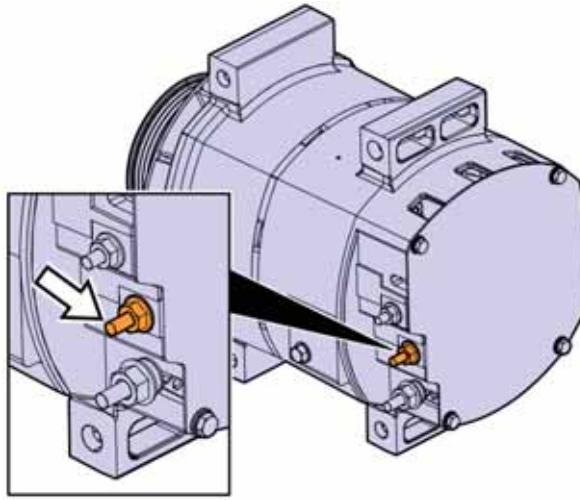


<b>REVGUARD (A120_A Wiring)</b>	
<b>Position</b>	<b>Description</b>
1	Terminal 1, FB09A5 (BAT +)
2	Terminal 2, XC1A49 (BAT -)
3	Terminal 3, CU (Drain)
4	Terminal 4, GN (ALT R)
5	Terminal 5, FB09D1 (Test Switch 12V+)
6	Terminal 6, FB09C1 (Engine Stop 12V+)
7	Terminal 7, FB09A6 (BAT +12V+)
8	Terminal 8, Not Used

22. Using hand tools, install the dog house and all other previously removed dash panels.

<b>NOTE</b>
Do not over tighten the fasteners securing the dog house and dash panels.

23. Locate the alternator and check the G02\_R terminal connection at terminal R (Relay Terminal) on the back of the alternator.

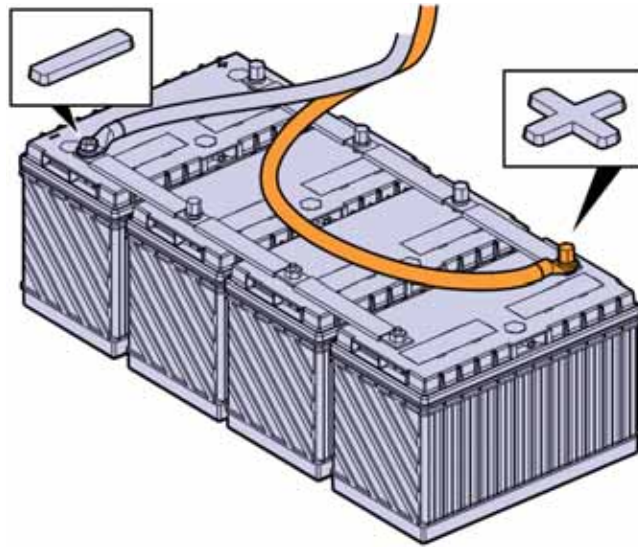


24. Check the connection of connector (Y60) from the **REVGUARD** wiring harness to the **REVGUARD** actuator solenoid.

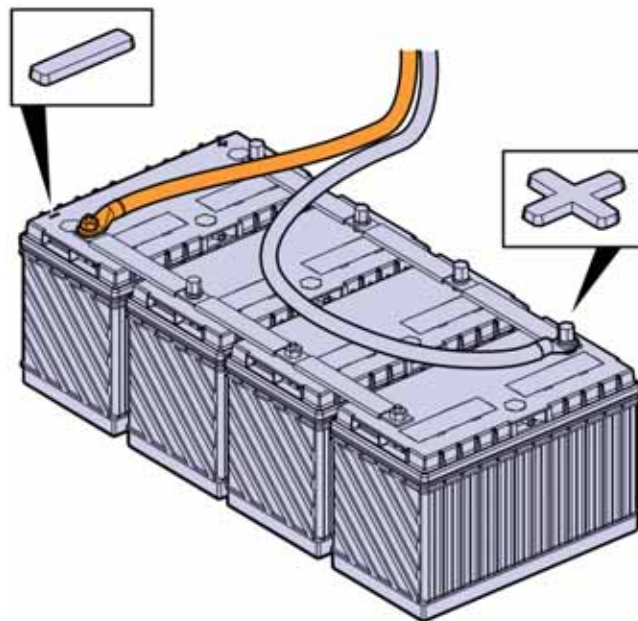


25. Close and latch the hood.

26. Connect the battery cable to the positive terminal.

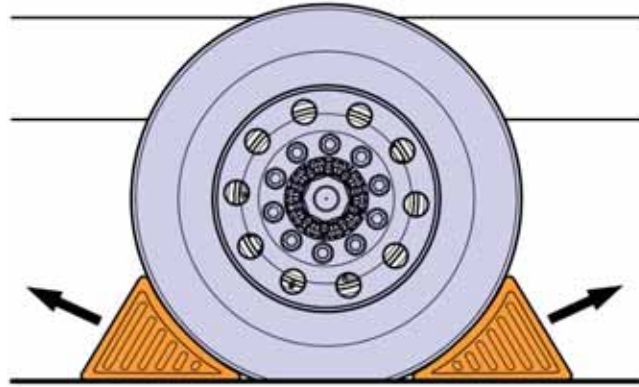


27. Connect the battery cable to the negative (ground) terminal.



28. After following steps 2 through 7, re-test the AOSP shutdown system and verify it is functioning properly.

29. Remove the wheel chocks.



**REIMBURSEMENT:**

This repair is covered by an authorized Safety Recall campaign. Reimbursement is obtained through the normal claim handling process.		
	<b>UHP Reimbursement</b>	<b>eWarranty Reimbursement</b>
<b>Claim Type</b> (Used when uploading from the Dealer business System)	40	40
<b>Recall Status</b>		
Vehicle repaired per instructions		1-Modified per instructions
<b>Labor Code</b>		
Primary Labor Code (Automatic Over-Speed Protection Shutdown System)	3731-03-09-01 1.1 hrs	6462D-01-95 1.1 hrs
Time to take charge of vehicle and determine campaign status	1700-16-01-01 0.3 hrs	101AA-0A-00 0.3 hrs
<b>Causal Part</b>	21690436	21690436
<b>Authorization Number</b>	C6553	SC0386

Take-charge time is not included in the labor code for this operation. Take charge may be eligible, but can only be used once per vehicle repair visit. If the vehicle is having other warranty repairs performed, take-charge should be charged to the warranty repair, otherwise take-charge can be charged to this Safety Recall campaign.