



TECHNICAL SERVICE BULLETIN

**SB-18-010 COE RELAY BLOCK (VACUUM RELAY
CORROSION)**

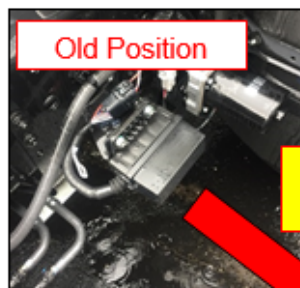
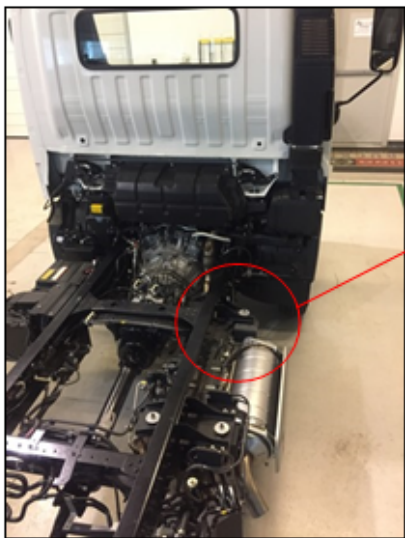
**GROUP: 27-ELECTRICAL SYSTEMS
BULLETIN NO: SB-18-010
DATE: 4-16-2018
REFERENCE: HMM-170707-J1**

SUBJECT VEHICLES: 13MY-17MY Cab Over Engine (COE) Trucks equipped with a J05 engine.

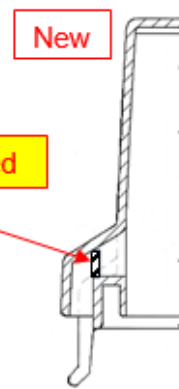
Note: This technical service bulletin is provided as technical information and is not authorization for a warrantable repair.

OVERVIEW:

To enhance the waterproof performance of the relay block, the mounting position has been changed and the vent in the relay block cover has been removed.



Mounting Position Has Changed



Relay Cover Vent Removed

BEFORE YOU BEGIN:

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **WARNINGS** and **NOTICES** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a level and solid surface and apply the parking brake.
- Place the gear shift lever in “Park” or “P”.
- Confirm the engine is stopped, the ignition switch is in the off (LOCK) position, and the key is removed.
- Wear safety glasses to prevent eye injuries.
- Place wheel chocks in front of and behind all the wheels to prevent the vehicle from moving.
- **WARNING** Allow the engine to cool off so the exhaust down pipe is cool to the touch. Touching a hot exhaust down pipe can result in serious burn injuries.

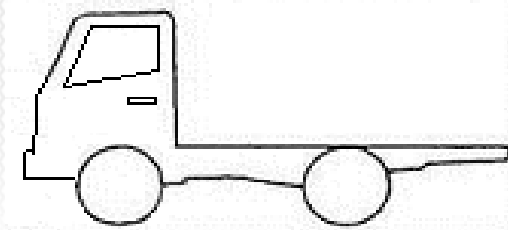
PARTS:

PART NUMBER	PART DESCRIPTION	QUANTITY
8262237041	Relay Block Cover	1
8224137110	Relay Block	1
827153VR70	Relay Block Bracket	1
9098702025	Relay	1 or 2



VEHICLE PREPARATION:

1. Park the vehicle on a level and solid surface.



2. Confirm the engine is stopped, the ignition switch is in the off (LOCK) position, and the key is removed.



3. Apply the parking brake.



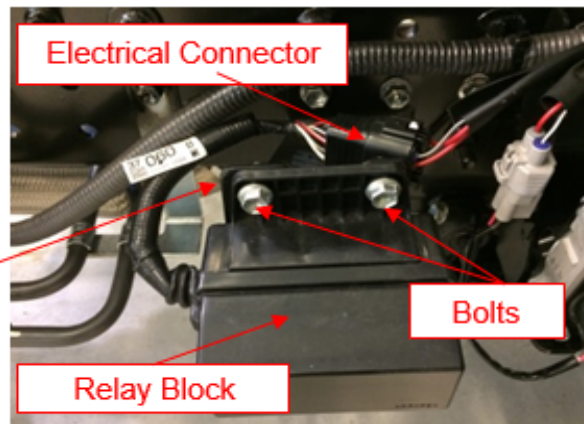
4. Chock all of the wheels.



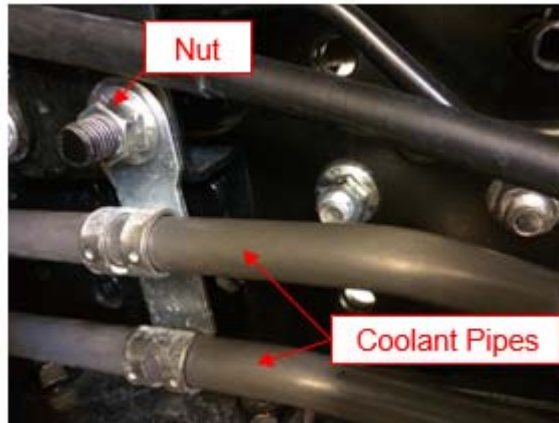
REPAIR PROCEDURE

WARNING: Do not begin this repair procedure until the engine has cooled off and the exhaust down pipe is cool to the touch. Touching a hot exhaust down pipe can result in serious burn injuries.

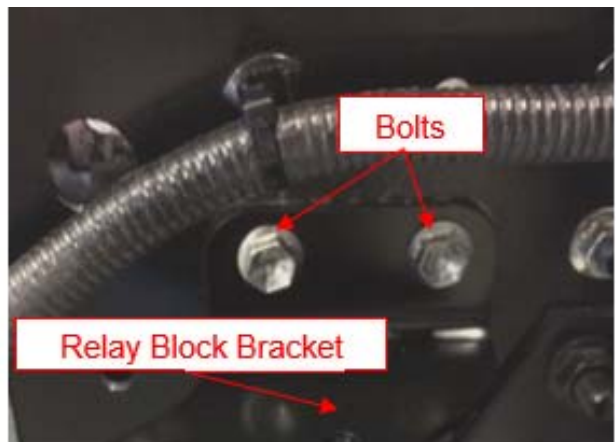
1. On the passenger side frame rail, behind the cab, disconnect the electrical connector to the relay block. Remove the 2 bolts which secure the relay block and retain them for reinstallation. Discard the relay block and relay block cover.



2. On the inside of the frame rail, behind the relay block bracket, remove the 1 nut securing the coolant pipe bracket to the frame rail and retain for reinstallation. This will allow for better access to the bracket nuts in step 3, below.

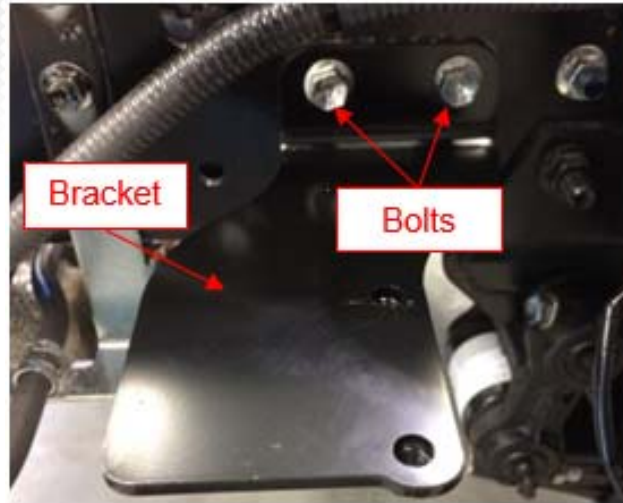


3. Remove the 2 nuts and 2 bolts securing the relay block bracket to the frame rail and retain for reinstallation. Discard the relay block bracket.



4. Install the new relay block bracket using the 2 nuts and 2 bolts removed in step 3, above. The same frame rail bolt holes will be used. Tighten the 2 bolts to the specified torque.

Specified Torque: 20 lb-ft (27 Nm)



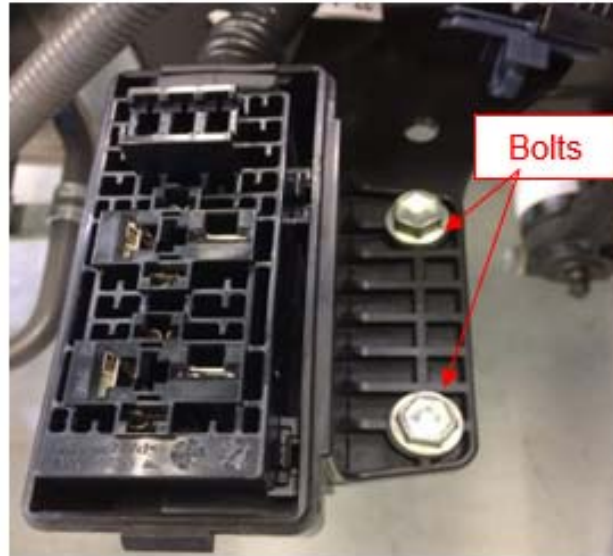
5. Position the coolant pipe bracket over the mounting stud. Install the nut securing the coolant pipe bracket to the frame rail. Tighten the nut to the specified torque.

Specified Torque: 16 lb-ft (22 Nm)

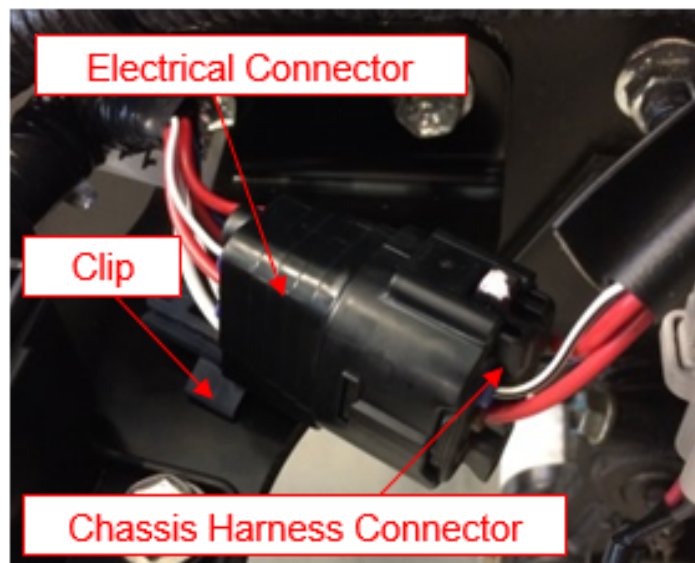


6. Install the new relay block using the 2 bolts removed in step 1, above. Tighten the bolts to the specified torque.

Specified Torque: 16 lb-ft (22 Nm)

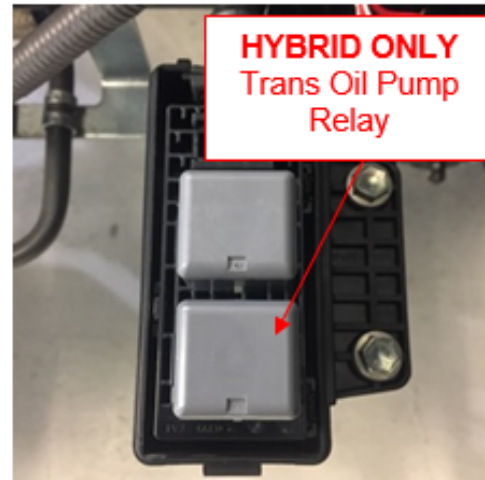
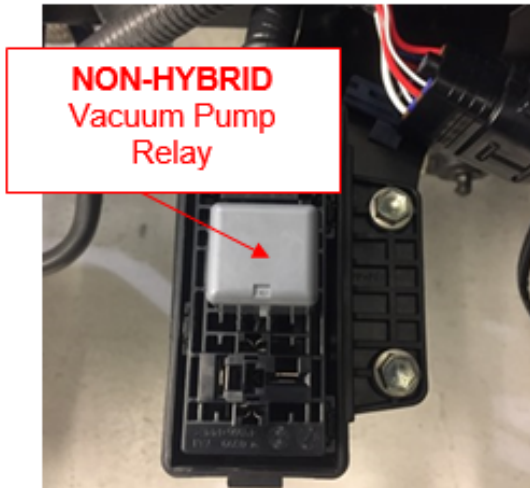


7. Clip the relay harness into the hole on the relay bracket and then connect the chassis harness electrical connector to the relay block electrical connector.



8. Transfer the relays from the old relay block to the new relay block.

NOTICE: If corrosion is present on the old relays, DO NOT reuse these relays. Replacement of the relay or relays will be necessary. Discard the old relay(s).



9. Install the new relay block cover. Ensure all 3 locking tabs are fully engaged. Proceed to the final inspection procedure, below.

NOTICE: Do not reuse the old relay block cover.



FINAL INSPECTION PROCEDURE

1. To complete this Technical Service Bulletin, review the bulletin and confirm the following:

- All nuts and bolts have been tightened to their specified torque.
- The relay block electrical connector is securely connected.
- The relays have been installed in their correct position.
- The relay block cover is securely fastened with all 3 locking tabs fully engaged.
- There are no warning lights on and the exhaust brake is operational.

CLAIM APPLICATION

Reimbursable in accordance within the terms and policies of the Hino Truck limited warranties.

Relay Block Replacement

- a) Labor Charge: 0.5 Hr
- b) Warranty Code: 82252
- c) Trouble Code: 22
- d) Operation Code: 82250AOT
- e) Part Number: 9999999999

