

**IMPORTANT SERVICE
INFORMATION FOR:**

- ✓ SERVICE MANAGER
- ✓ SERVICE ADVISOR
- ✓ TECHNICIAN
- ✓ PARTS DEPARTMENT
- ✓ WARRANTY PERSONNEL

BULLETIN NUMBER:
SB13-J-001A

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GROUP:
ENGINE

**CRACKED TURBOCHARGER VACUUM SWITCHING VALVE (VSV) VACUUM HOSE
RELATED DTCs: P0299, P2263, P245B, P2413**

AFFECTED VEHICLES

- 2011-2012MY Isuzu N-Series
Equipped with 3.0L 4JJ1 Diesel Engine

This bulletin supersedes SB13-J-001. This bulletin is being updated to revise service information. Please discard SB13-J-001.

SERVICE INFORMATION

CONDITION

Some customers may experience an illuminated Check Engine Malfunction Indicator Light (MIL) and reduced engine power mode.

Technician diagnosis may identify the following DTCs: P0299, P2263, P245B, and/or P2413 stored in the ECM.

CAUSE

The vacuum hose for the Turbocharger Vacuum Switching Valve (VSV) may crack at the clip location shown in Figure 1.

CORRECTION

If the above cause is found, follow the service procedure in this bulletin to replace the vacuum hose assembly.

NOTE: Do not use bulk hose material for the countermeasure. The new hose assembly has been redesigned to offer additional reinforcement.

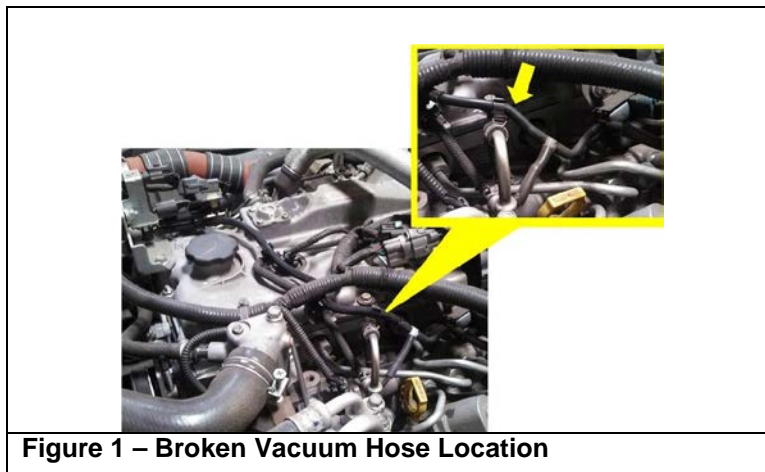


Figure 1 – Broken Vacuum Hose Location

SERVICE PROCEDURE

1. Remove the vacuum hose assembly below in the following order:
 - a. Vacuum Supply Pipe
 - b. EGR Bypass Vacuum Switch Valve (VSV)
 - c. Retaining Clip
 - d. Hose with Retaining Clip
 - e. Clip
 - f. Turbo Charger Actuator
 - g. Turbo Charger VSV (2 hoses)

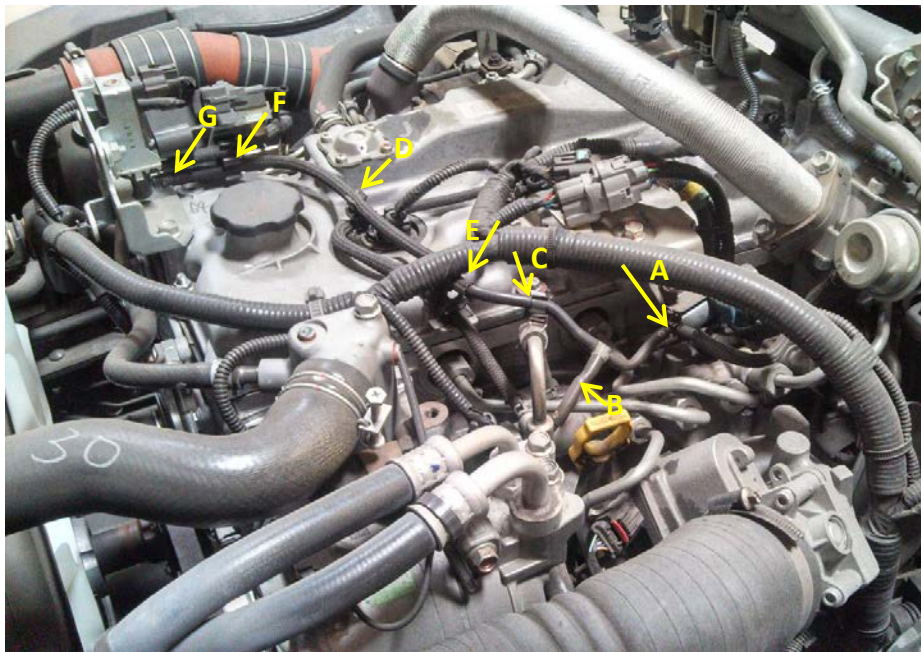


Figure 2 – Removal of Vacuum Hose

- a. Vacuum Supply Pipe
- b. EGR Bypass VSV
- c. Retaining Clip
- d. Hose with Retaining Clip
- e. Clip
- f. Turbo Charger Actuator
- g. Turbo Charger VSV

NOTE: Do not use bulk hose material for the countermeasure. The new hose assembly has been redesigned to offer additional reinforcement.

2. Install the replacement hose in the following order:

a. Vacuum Supply Pipe

NOTE: To help ease installation, spray the hose with soapy water.

b. EGR Bypass VSV

c. Retaining Clip

d. Hose with Retaining Clip

e. Clip

f. Turbo Charger Actuator

g. Turbo Charger VSV (2 hoses)

PARTS INFORMATION

The following new part is available through AIPDN:

Part Number	Description	Qty
8-98230-269-0	Vacuum Hose	1

WARRANTY INFORMATION

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
J5809	Vacuum Hose, Replace	0.3