

**IMPORTANT SERVICE  
INFORMATION FOR:**

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

BULLETIN NUMBER:  
**SB13-J-001**

ISSUE DATE:  
**APRIL 2013**

GROUP:  
**ENGINE**

**CRACKED TURBOCHARGER VACUUM SWITCHING VALVE (VSV) VACUUM HOSE  
RELATED DTCs: P0299, P2263, P2456, P2413**

**AFFECTED VEHICLES**

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

**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, P2456, and/or P2413 stored in the ECM.

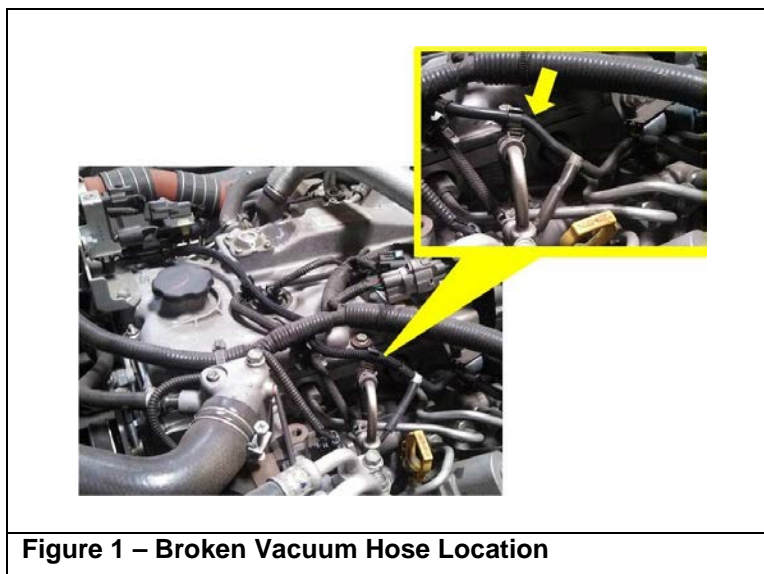
**CAUSE**

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

**CORRECTION**

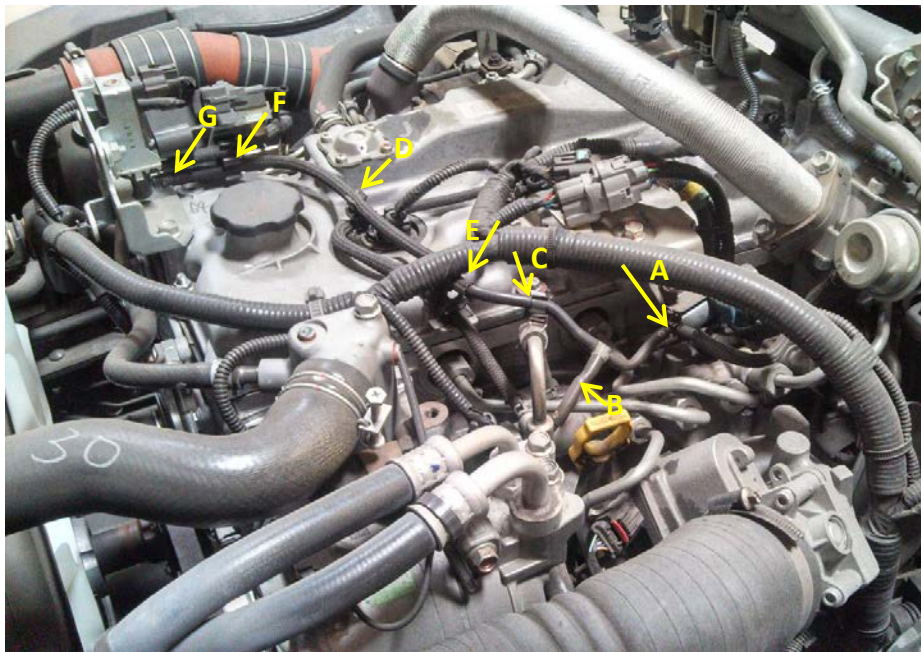
If the above cause is found, follow the service procedure in this bulletin to replace the vacuum hose assembly.

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



## 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