



## SERVICE BULLETIN

Classification:

EC09-006

Reference:

NTB09-057

Date:

July 16, 2009

### 2006 ALTIMA; MIL 'ON' WITH P0444

**APPLIED VEHICLE:** 2006 Altima (L31)

**APPLIED ENGINE:** QR25 (4 cyl) **ONLY**

#### IF YOU CONFIRM:

The MIL is 'ON' and P0444 (EVAP Canister Purge Volume Control S/V Circuit Open) is stored in ENGINE.

#### ACTION:

Perform tests as outlined in the Electronic Service Manual (ESM) for DTC P0444.

Erase the DTC.

If all tests check out as "OK", install the EGI Harness Service Kit.

- The EGI Harness Service Kit is listed in the **PARTS INFORMATION** section on page 2 of this bulletin.
- Refer to the **SERVICE PROCEDURE** section starting on page 2 of this bulletin for installation/repair procedure.

**IMPORTANT:** The purpose of **ACTION** (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire Service Procedure (starting on page 2) as it contains information that is essential to successfully completing this repair.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

## PARTS INFORMATION

| DESCRIPTION         | PART #      | QUANTITY |
|---------------------|-------------|----------|
| Harness Service Kit | 24009-ZD90A | 1        |

## CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

| DESCRIPTION                     | PFP | OP CODE | SYM | DIA | FRT |
|---------------------------------|-----|---------|-----|-----|-----|
| Install EGI Harness Service Kit | (1) | EX17AA  | HD  | 32  | 1.1 |

(1) Refer to the electronic parts catalog (FAST or equivalent) and use the appropriate EGI Harness part number as the PFP.



EGI Harness Service Kit

## SERVICE PROCEDURE

Perform tests as outlined in the Electronic Service Manual (ESM) for DTC P0444.

- If all tests check out as ok, go to **Install Harness Service Kit** on page 3.
- If a fault is determined, this bulletin does not apply. Perform repairs based on test results.

## Install Harness Service Kit

1. Write down all radio station presets.

| Presets | 1 | 2 | 3 | 4 | 5 | 6 |
|---------|---|---|---|---|---|---|
| A       |   |   |   |   |   |   |
| B       |   |   |   |   |   |   |
| C       |   |   |   |   |   |   |

2. Turn the ignition off, and then disconnect both battery cables; negative cable first.
3. Remove the engine cover.

4. Unplug the canister purge volume control S/V (purge S/V) connector.

- a. Carefully cut 1-2 inches (25-50 mm) down the side of the vinyl tubing, starting at the connector end (see Figure 1).
- b. Remove the red with yellow stripe (R/Y) wire's terminal from the connector (see Figure 1).
- c. Cut off the wire with terminal about 0.5 inches (12 mm) below the end of the vinyl tubing (see Figure 1).

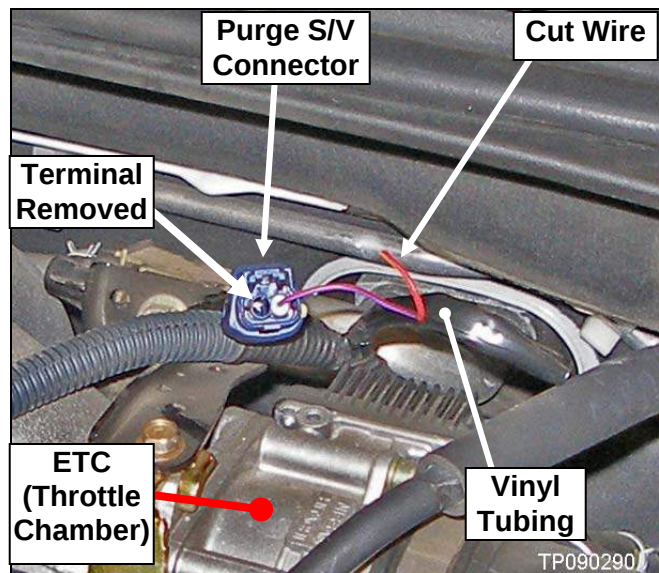


Figure 1

- d. Cover the end of the wire by taping over it with electrical tape (see Figure 2).
  - e. Put the wire back inside the vinyl tubing, and then tape up the vinyl tubing (picture not shown).
- Leave this connector unplugged at this time.

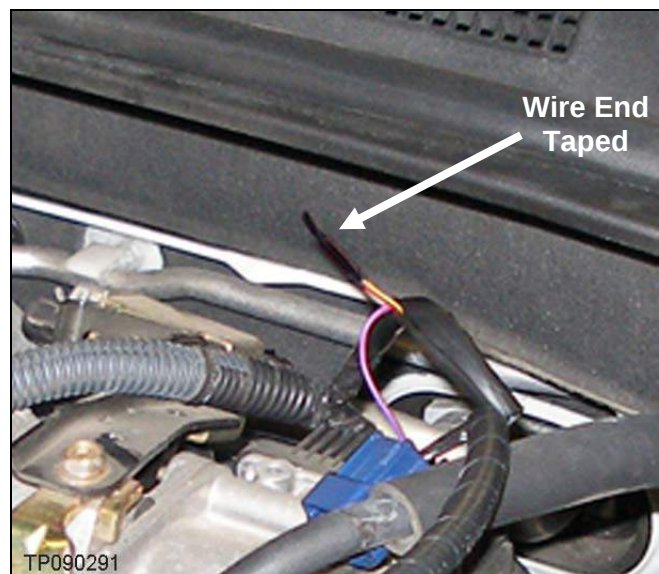


Figure 2

5. Unplug the Camshaft Position Sensor (CMPS) connector (see Figure 3).
6. Perform the same procedure in Step 4 to the R/G wire and its terminal at the CMPS connector.

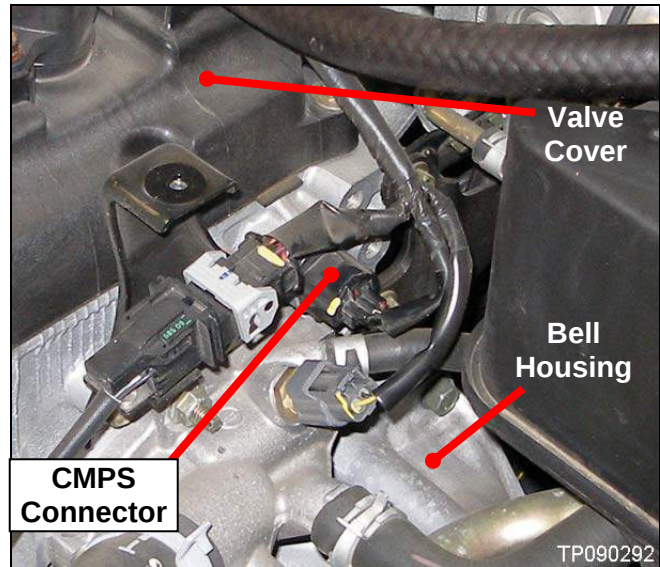


Figure 3

7. Locate the section of the EGI harness as shown in Figure 4.
  - a. Unclip the EGI harness clip from the bracket, and then remove it from the harness (see Figure 4).

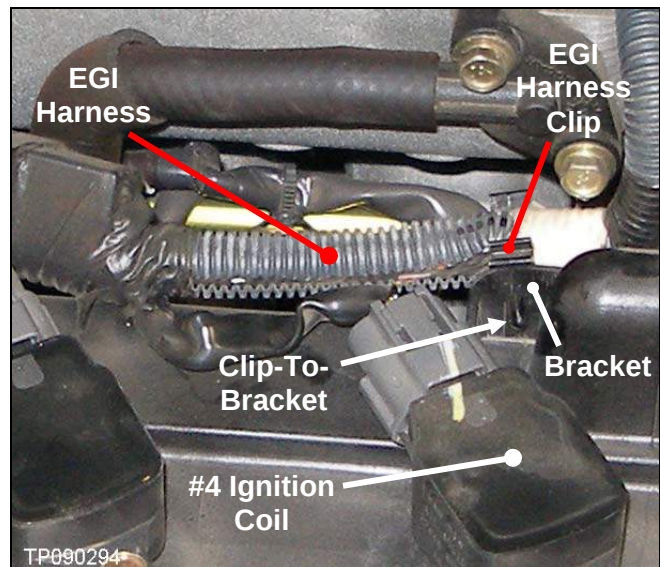


Figure 4

- b. Carefully open the harness's cover of tube (COT, or thick plastic sheathing), and then locate the R/G wire (see Figure 5).

**CAUTION:** Make sure to get the correct wire.

- c. Cut the R/G wire (see Figure 5).
- d. Cover the end of the wire (on the right side of the cut) by taping over it with electrical tape, and then tuck the wire end within the COT.

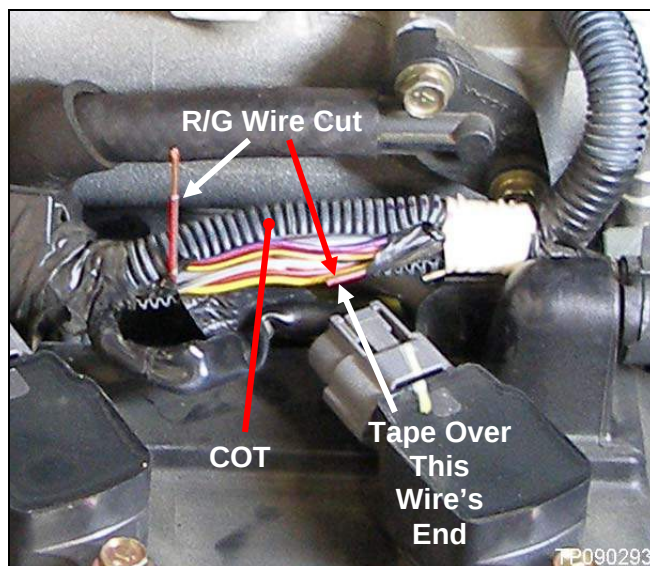


Figure 5

- e. Connect the kit supplied EGI harness service harness (jumper harness) to the wire on the left side of the cut with the solder sleeve connector, also supplied in the kit (see example in Figure 6).

- Refer to NTB03-078 for solder sleeve connector repair procedure.
- Route the jumper harness wire underneath the EGI harness before performing Step 'e'.

**NOTE:** There are two (2) kit supplied solder sleeve connectors. Only one is needed.

**WARNING:** Allow enough time for the sleeve connector to cool down before handling.

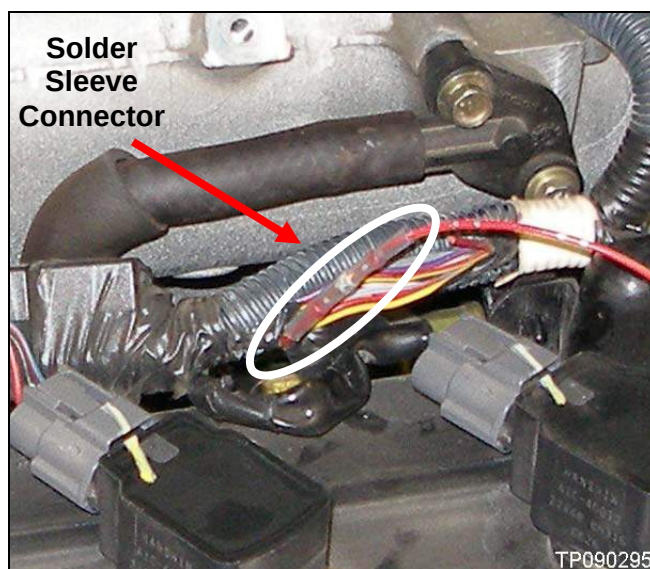


Figure 6

- f. Position the jumper harness's branch (where the harness splits) next to the EGI harness's branch (see Figure 7).
- This step will put the jumper harness's end in the correct position for taping in Step 'h'.

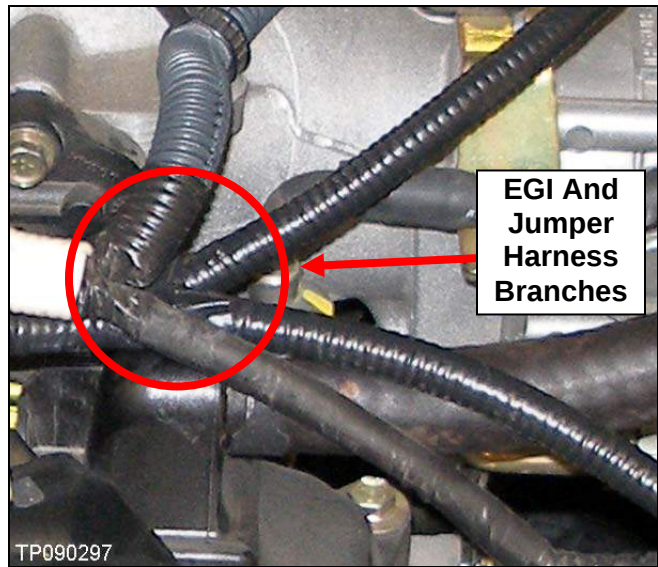


Figure 7

- g. Route the jumper harness's extra length of wiring on the inside of the COT (to allow taping it up in the area of the EGI harness) as shown in Figure 8.
- Again, make sure the jumper harness is routed below the EGI harness (see Figure 7).

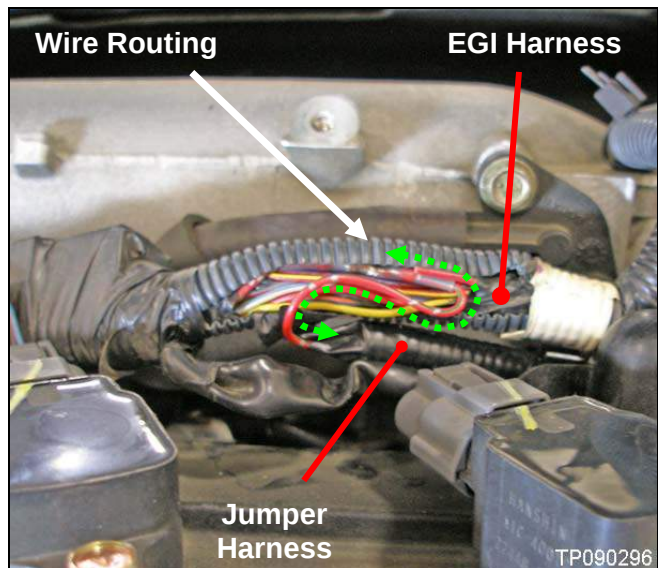


Figure 8

h. With the two branches positioned next to each other, tape up the section of EGI harness, along with the jumper harness's end (see Figure 9).

- Tape the jumper wire's COT within the applied tape (see Figure 9).
- At the same time, keep the jumper harness's wire itself from getting taped between the tape and the outside of the EGI harness's COT.

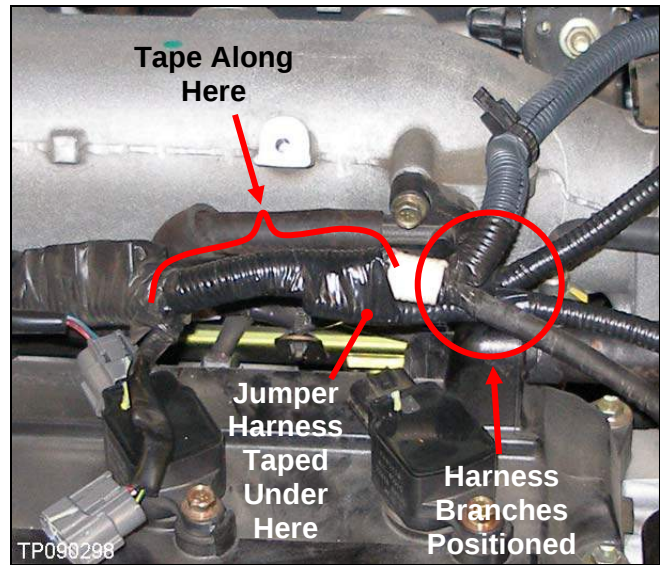


Figure 9

8. Install the clip onto the EGI harness (only) by slipping it between the EGI and jumper harnesses, and then snapping it to the bracket (see Figure 10).

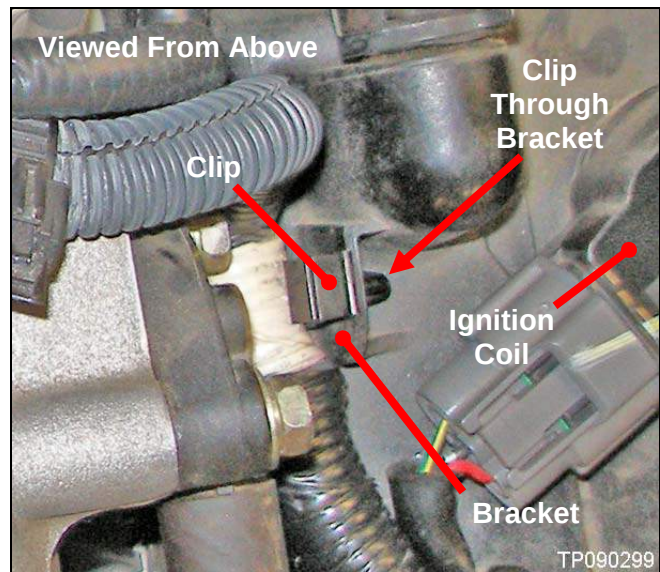


Figure 10

9. Route the jumper harness legs to the respective purge S/V and CMPS connectors as shown in Figure 11.
- The longer leg goes to the purge S/V.

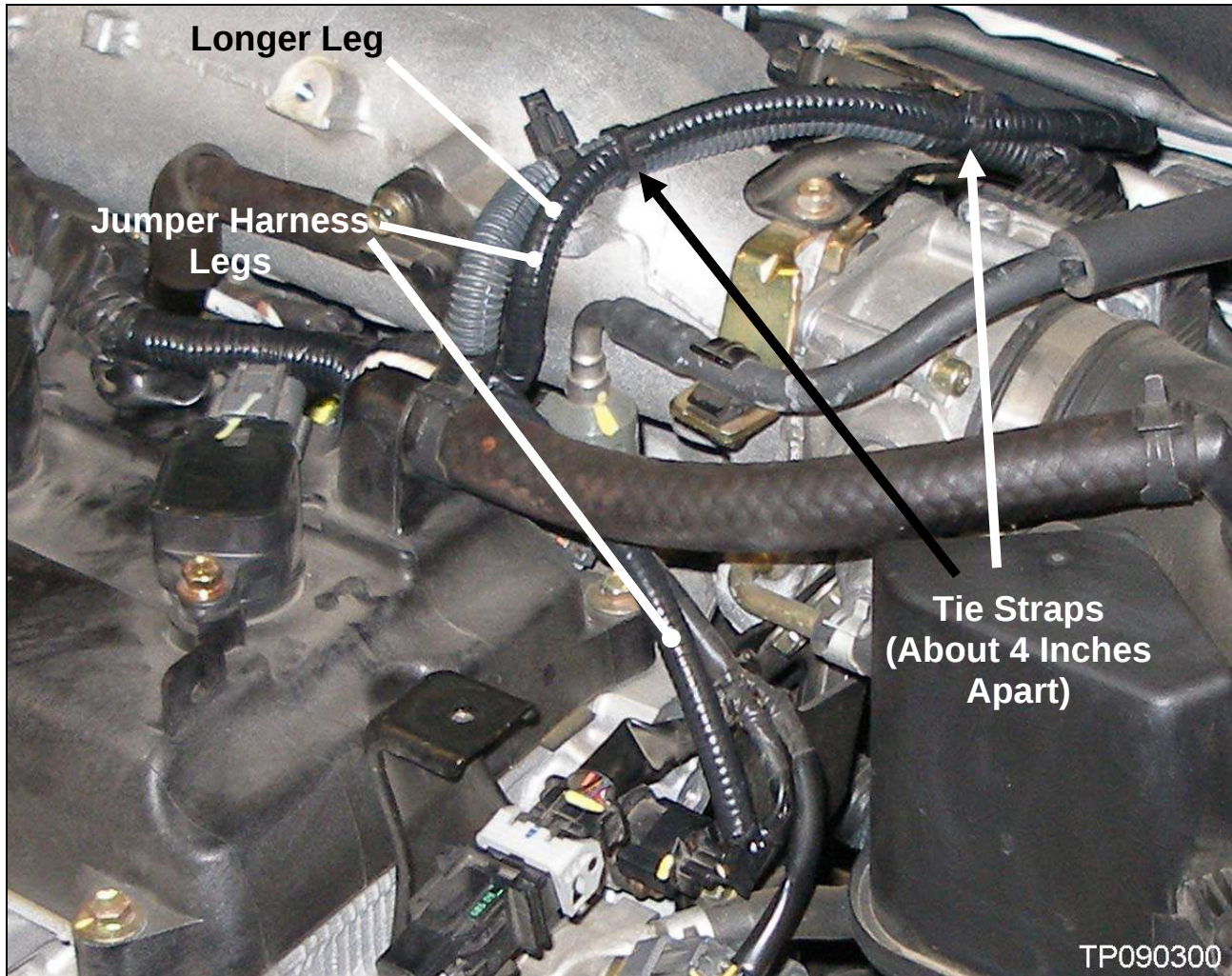


Figure 11

10. Insert the terminal pins in each connector, and then tape the jumper harness to the connector harness near the connector (picture not shown).
11. Plug in both connectors.
12. Secure the leg going to the purge S/V with the two tie straps supplied in the kit as shown in Figure 11.
- Measurement between the tie straps should be about 4 inches (100 mm).
13. Reconnect both battery cables, negative cable last.
14. Install the engine cover.
15. Reset / initialize all systems i.e., radio presets, clock, sunroof, power windows, etc.
- Refer to the ESM as needed.
16. Road test the vehicle making sure it operates correctly, and the MIL is off.