

Nissan Technical Service Bulletins to help make diagnosing and servicing Nissan vehicles a little easier.

Title: ABS Self Check Noise

TSB: NTB10-077a

Applied Vehicles: All Nissan models with ABS or ABS/VDC

If you may identify a clicking, knocking, clunking, buzzing or thumping noise coming from the engine compartment area, and the noise only occurs only once per ignition cycle and does not occur again until the ignition is recycled, and the noise happens briefly for only a few seconds on acceleration, between 5 and 30 mph.

This condition is normal and may be louder if the vehicle has not been operated for a prolonged period of time. The vehicle does not need repair.

Each time the ignition is turned on and the vehicle reaches approximately 5 to 30 mph, the ABS/VDC system performs a "Self-Check" to confirm components of the ABS/VDC system are operating correctly.

This Self-Check function creates the noises described above.

If the brakes are being applied when the Self-Check occurs, a vibration may be felt in the brake pedal and an increased level of noise may be noticed.

Title: DTC P0300 Stored and Ignition Coils Blistered

TSB: NTB06-075

Applied Vehicles: 2004-2006 Maxima, 2004-2007 Quest, 2004-2006 Altima with VQ35 Engine

You may have a customer complain of hesitation on acceleration, a rough running engine or the engine cranks but will not start.

If you confirm a DTC P0300 is stored in the ECM and one or more of the ignition coils is blistered or melted, inspect the negative battery cable at the transmission end (at the battery terminal). Wiggle the end of the cable at the connector to make sure it is tight and not frayed.

1. If you find the cable broken or damaged, replace it with the appropriate Genuine Nissan part.
2. Inspect, test and replace each ignition coils as needed with the appropriate Genuine Nissan part.
3. Erase the DTC and test drive the vehicle to ensure that the engine runs smoothly and no further DTCs are set.

If the problem persists, further diagnostics and repair may be required.



Check the negative battery cable for damage.

Title: 2002 Altima and Sentra: MIL “ON” and DTC P0340 (Camshaft Position Sensor Code) Stored

TSB: NTB01-074a

Applied Vehicles: 2002 Altima with 2.5 Liter Engine (QR25DE) Only, 2002 Sentra with 2.5 Liter Engine (QR25DE) Only

If one of these vehicles exhibits one or more of the following symptoms:

- MIL “ON” with DTC P0340 (Camshaft Position Sensor Code) stored in Self Diagnosis results.

- Engine stumbles momentarily during cruise condition.
- Engine stops running at idle.

The cause of this incident may be the ignition coils. A new resistor assembly (located inside the ignition coil tube) is available to repair the described symptoms, if they should occur.

Service Procedure

1. Verify that the vehicle has one or more of the symptoms listed above.
2. Remove all four ignition coils. Refer to the appropriate 2002 Service Manual for the removal procedure of the ignition coils (page EM-26 for Altima, page EM-106 for Sentra).
3. Install the new resistor assembly in all four ignition coils as follows:
 - A. Pull the rubber boot away from the ignition coil. Then, twist and pull the ignition coil tube from the ignition coil to separate them (Fig. 1).
 - B. Remove the spring from the ignition coil and discard. Insert the new resistor assembly into the ignition coil tube exactly as shown (Fig. 2).

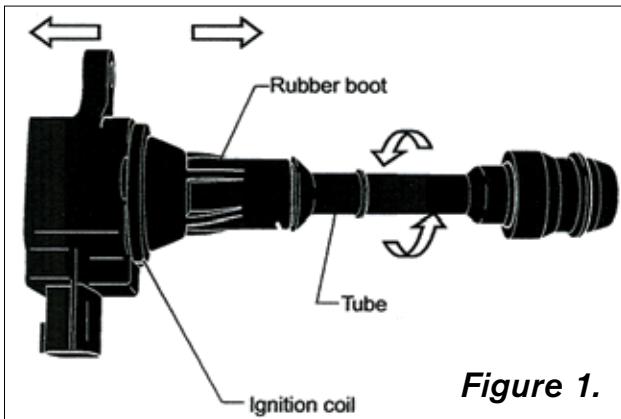


Figure 1.

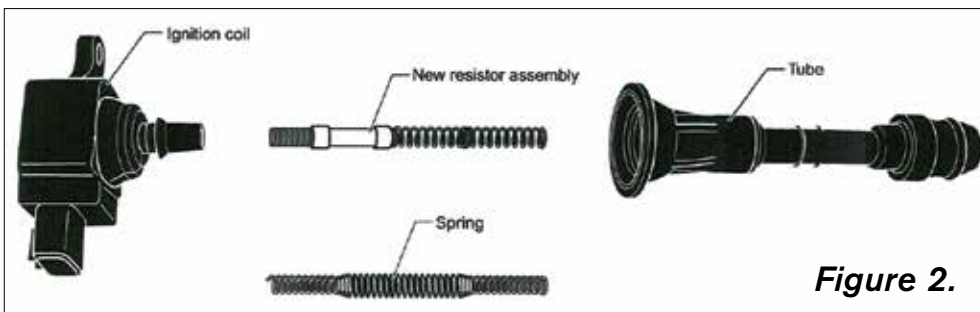


Figure 2.

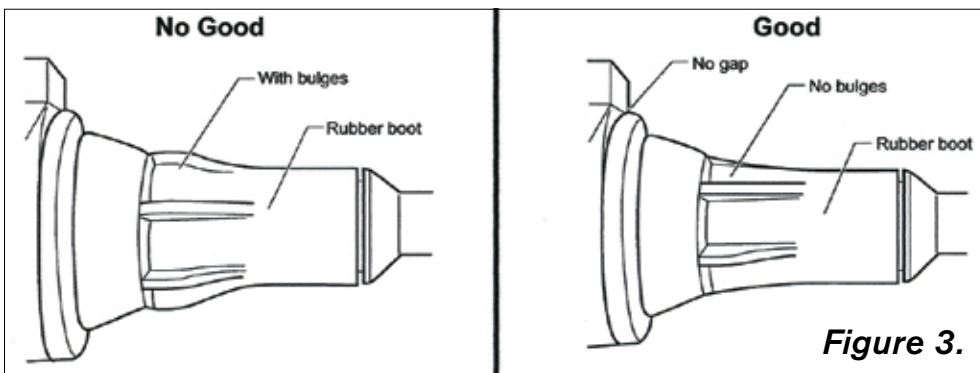


Figure 3.

- C. Assemble the ignition coil tube to the ignition coil.
 - Rotate the ignition coil tube while pressing on to the coil.
 - A “pop” sound will be heard when the rubber boot is seated correctly to the ignition coil.
 - Ensure there are no gaps and bulges between the coil body and the rubber boot (Fig. 3).
4. Re-install the ignition coils with the new resistor

assembly to the engine. Refer to the appropriate 2002 service manual for installation procedure of the ignition coils (page EM-26 for Altima, page EM-106 for Sentra).

5. Erase the DTC from Engine Self Diagnosis.
6. Test drive the vehicle and re-check Self Diagnosis results using CONSULT III plus to confirm the problem has been resolved.

Title: MIL On with P0340/P0345 (CMP Sensor) and/or Engine is Hard to Start When Warm

TSB: NTB04-063

Applied Vehicles: 2002-2005 Altima with VQ35DE Engine Only, 2004 Quest, 2004 Maxima

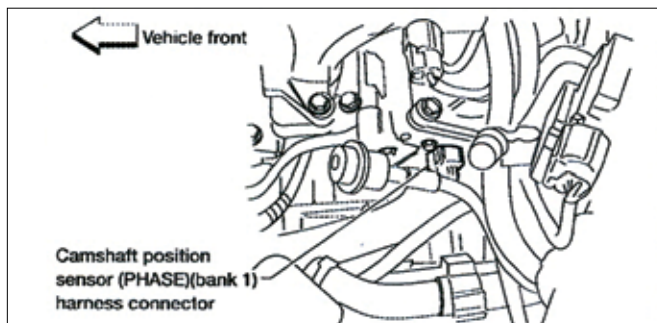
If you confirm a MIL ON with P0340 (CMP Sensor Bank 1) and/or P0345 (CMP Sensor Bank 2) and/or the engine is hard to start when warm, but starts OK when the engine is cold.

NOTE: "Hard start" is engine crank time that is longer than 3 seconds.

Actions

- If you have DTC P0340, replace only Bank 1 CMP (Camshaft Position) Sensor.
- If you have DTC P0345, replace only Bank 2 CMP (Camshaft Position) Sensor.
- If you have both codes, replace both sensors.
- For a "hard to start warm" incident, replace both sensors, even if you have no codes.

Refer to the correct service manual for sensor replacement information. If replacement of the sensors does not solve the problem, further diagnostics are needed.



Title: Essential Tool: J-41425- NIS Tubing Repair Kit

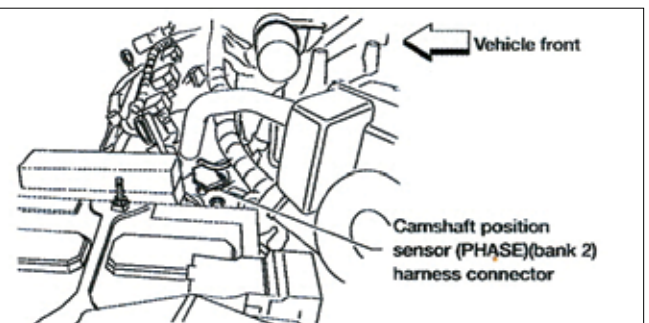
TSB: NTB08-110

Applied Vehicles: All Nissan models

If you find that the aluminum heater coolant or A/C hard tubing needs to be replaced for any reason, this kit will allow you, using the included tubing cutter, to cut out the damaged section and, using the connectors and tools in the kit, splice in a replacement section from the matching service part.

This method of tubing repair, rather than tubing replacement, is more convenient in cases where installing the entire service part would require major disassembly of the vehicle. Complete details and usage can be viewed in the TSB on the Nissan TechInfo website at nissan-techinfo.com.

The J-41425-NIS Tubing Repair Kit can be ordered from Nissan Tech-Mate by logging onto nissantechmate.com or by calling 800-662-2001. |



CMP sensor locations.