



SERVICE BULLETIN

Classification: EM16-008	Reference: NTB17-008	Date: January 27, 2017
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NISSAN; OIL LEAKING AROUND VALVE TIMING CONTROL SOLENOID VALVE

- APPLIED VEHICLES:**
- 2016-2017 Maxima (A36)
 - 2011-2017 Quest (E52)
 - 2013 Altima Coupe (L32)
 - 2013-2017 Altima Sedan (L33)
 - 2013-2017 Pathfinder (R52)
 - 2015-2017 Murano (Z52)
 - 2017 Armada (Y62)
 - 2016-2017 Titan/Titan XD (A61) **with VK56 only**
- } **V6 engine only**

IF YOU CONFIRM

Engine oil is leaking from a valve timing control solenoid valve,

And

The valve timing control solenoid valve operates correctly and is not externally damaged.

ACTION

Replace the valve timing control solenoid valve O-ring with a new one using the Service Procedure starting on page 2.

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** 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.

SERVICE PROCEDURE

1. Remove the leaking valve timing control solenoid valve (VTC solenoid) from the valve timing control cover (VTC cover).
2. Inspect for debris and visual damage to the body of the VTC solenoid that could cause the leak.
 - Clean any debris that is present from the VTC solenoid and the VTC cover surfaces.
3. Is any visual damage present to the body of the VTC solenoid that could cause the leak?

NO: Proceed to step 4.

YES: This bulletin does not apply.

- Refer to the Electronic Service Manual (ESM) section **EM – Engine Mechanical** for further information.

4. Remove the O-ring from the base of the VTC solenoid.

IMPORTANT: Be careful not to damage the O-ring's sealing surface.

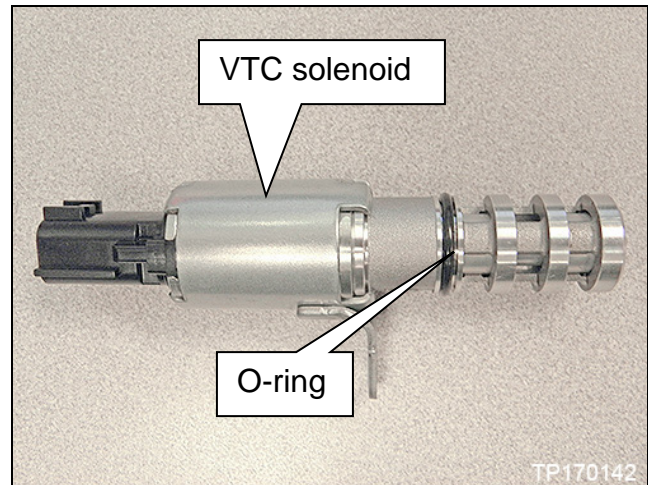


Figure 1

5. Install a new O-ring as follows:

- a. Verify the machined O-ring groove is free from debris or contamination.

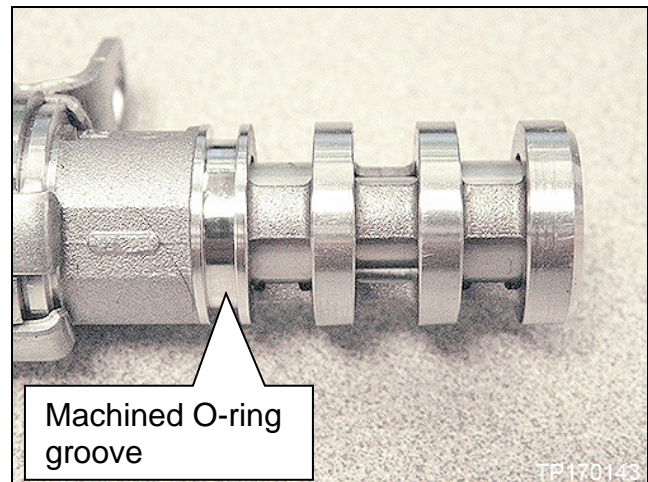


Figure 2

- b. Cut a 2 inch by 8.5 inch strip of plain printer paper.

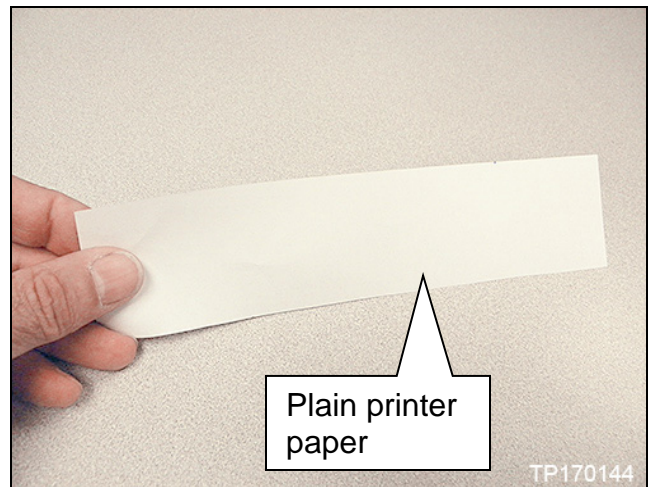


Figure 3

- c. Roll the VTC solenoid with the sheet of paper cut in step 5b (Figure 4).

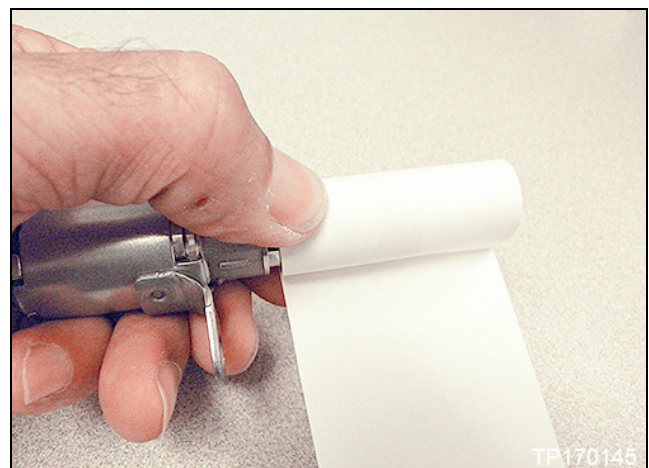


Figure 4

- d. Roll the new O-ring over the paper and into the machined O-ring groove.

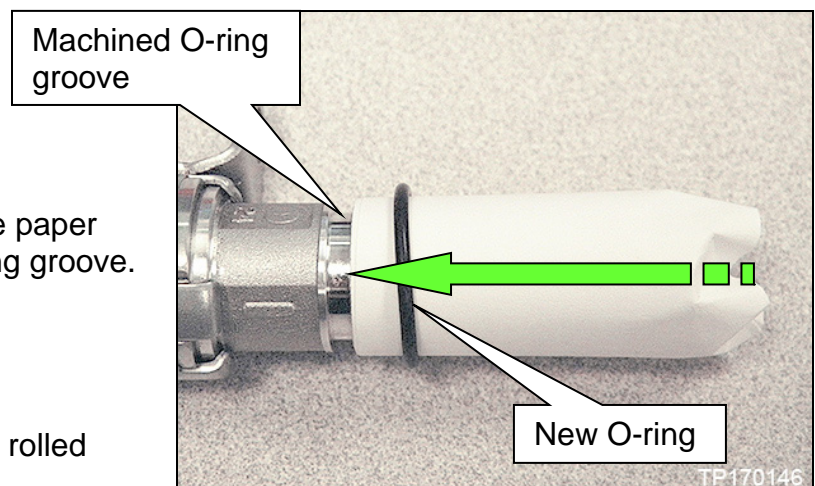


Figure 5

- e. Remove the paper that was rolled onto the VTC solenoid.

6. Apply engine oil to the O-ring and then install the VTC solenoid into the VTC cover.
- Ensure the VTC cover orifice is free from debris or contamination before reinstallation.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
O-Ring	15066-3RC6C	1

CLAIMS INFORMATION

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Install O-Ring	(1)	AM66AA	ZE	32	(2)

- (1) Refer to the electronic parts catalog (FAST) and use the VTC Oil Control Assembly part number as the Primary Failed Part (PFP).
- (2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated flat rate time.