

**Classification:**

EC17-005

**Reference:**

ITB17-020

**Date:**

March 9, 2017

## 2010 – 2012 FX35; MIL ON WITH DTC P0101

**APPLIED VEHICLE:** 2010 – 2012 FX35 (S51)**APPLIED ENGINE:** VQ35HR (V6 Engine)

### IF YOU CONFIRM

The MIL is ON with DTC P0101 (MAF SEN/CIRCUIT-B1) stored.

and

There are no drivability issues.

### ACTION

Clean the throttle valve and chamber of the electronic throttle control actuator.

**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.

Infiniti 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 Infiniti retailer to determine if this applies to your vehicle.

## SERVICE PROCEDURE

1. Remove the electronic throttle control actuator (ETC) from the engine.
  - Refer to the Electronic Service Manual (ESM), section **EM-Engine Mechanical**, for ETC removal.

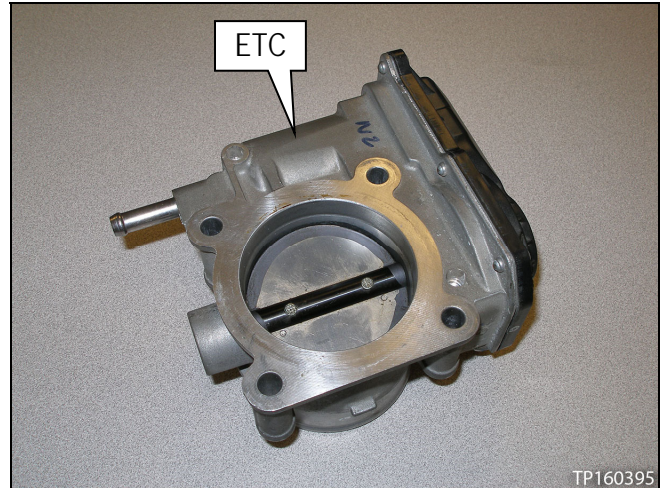


Figure 1

2. On the engine-side of the ETC, clean off deposits on the chamber and throttle valve.
  - a. Spray "carburetor" cleaner on a clean cloth towel.
    - Do not use a paper towel.
    - For warranty repairs, use only Nissan Genuine Low VOC Non-Chlorinated Carburetor Cleaner.
    - For non-warranty repairs, Nissan Genuine Low VOC Non-Chlorinated Carburetor Cleaner is recommended, but an equivalent "carburetor" cleaner may be used.
  - See **PARTS INFORMATION** for further details.

**CAUTION:** Do not spray directly on the ETC chamber. Damage may occur to the electronics of the ETC.



Figure 2

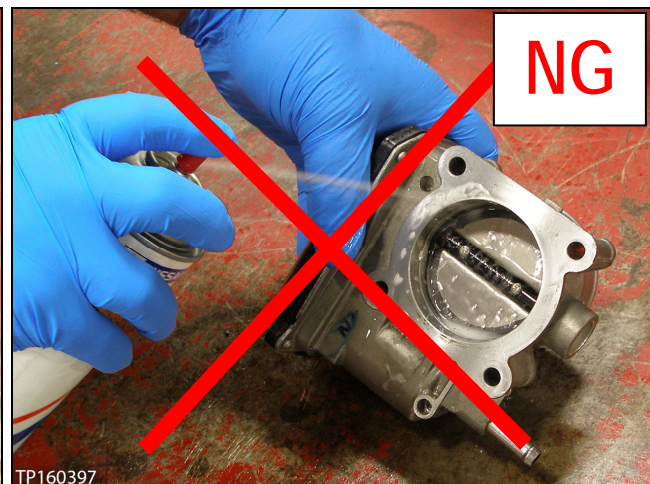


Figure 3

- b. Clean the throttle valve and chamber with the soaked cloth towel.
- c. Clean off the deposits from the edges and outer ends of the throttle valve (see Figure 4).
- d. Clean off the areas of the chamber where the throttle valve meets up to and around it.
  - Hold the valve open to access these areas.

**CAUTION:**

- Do not use excessive force when opening the throttle valve.
- Be careful not to scratch the throttle valve or chamber areas during cleaning.

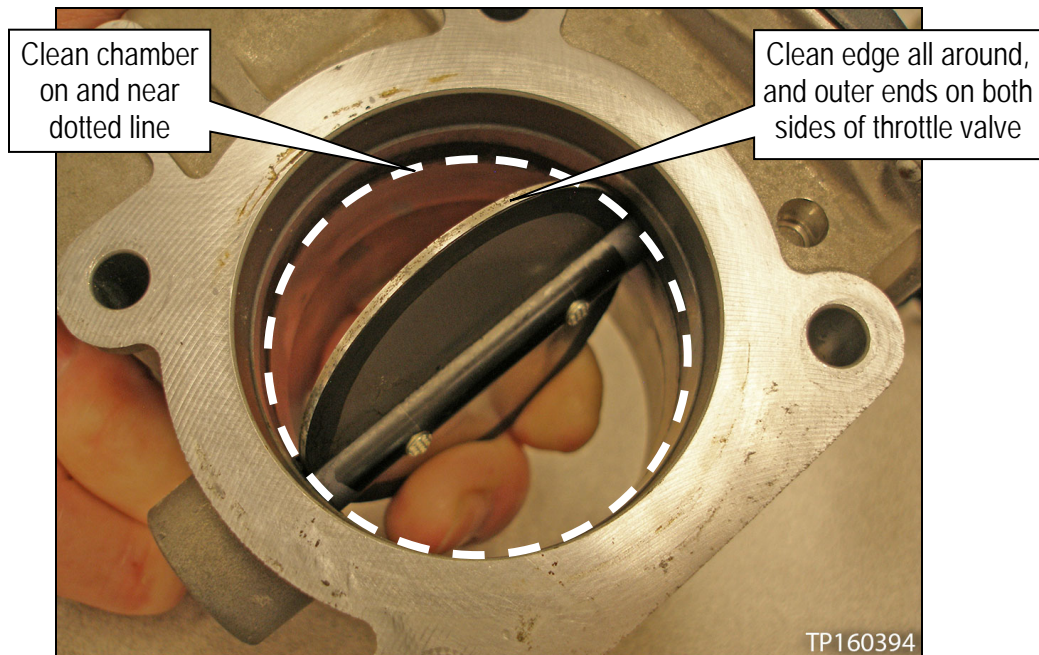


Figure 4

3. The cleaning is complete when unobstructed clearance is seen between the throttle valve and chamber (see Figure 5).
  - Looking at the clearance while shining a light from behind will help confirm proper cleaning.

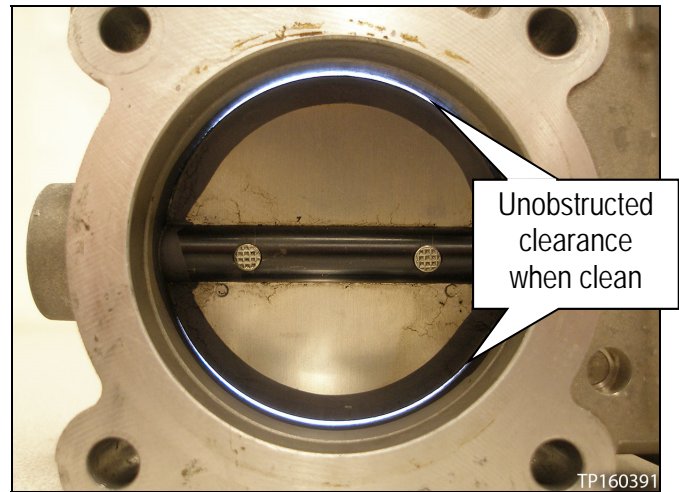


Figure 5

4. Re-install the ETC.
  - Refer to the ESM, section **EM-Engine Mechanical**, for ETC installation.
  - Install a new ETC gasket.
    - Do not reuse the old ETC gasket.
5. Erase the DTC.
6. Using CONSULT-III plus, perform Idle Air Volume Learning (IAVL).
  - Refer to the ESM, section **EC-Engine Control**, for IAVL procedure.
  - The IAVL procedure includes:
    - Accelerator Pedal Position Learning, and
    - Throttle Valve Closed Position Learning.

**PARTS INFORMATION**

DESCRIPTION	PART NUMBER	QUANTITY
GASKET-ADAPTER (ETC gasket)	16175-JK21A	1
Nissan Genuine Low VOC Non-Chlorinated Carburetor Cleaner	999MP-A3001P (1) (2)	As needed

- (1) Order this item through the Infiniti Maintenance Advantage program: Phone: 877-INF-IMA1 (877-463-4621). Website order via link on dealer portal [www.NNAnet.com](http://www.NNAnet.com) and click on the "Maintenance Advantage" link.
- (2) For warranty repairs, Nissan Genuine Low VOC Non-Chlorinated Carburetor Cleaner **must** be used. For non-warranty repairs, Nissan Genuine Low VOC Non-Chlorinated Carburetor Cleaner is recommended, but an equivalent "carburetor" cleaner may be used.

**CLAIMS INFORMATION**

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Clean Electronic Throttle Chamber off Vehicle	(1)	DX52AA	HD	32	0.8

- (1) Refer to the electronic parts catalog (FAST) and use the Throttle Chamber Assembly (16119-\*\*\*\*\*) assembly part number as the Primary Failed Part (PFP).

EXPENSE CODE	DESCRIPTION	MAX AMOUNT
041	Nissan Genuine Low VOC Non-Chlorinated Carburetor Cleaner	\$1.75