



SERVICE BULLETIN

Classification:

EC20-015

Reference:

NTB20-071

Date:

October 9, 2020

2016-2019 TITAN XD DIESEL; MIL ON WITH DTC P226C STORED

APPLIED VEHICLES: 2016-2019 Titan XD (A61)
APPLIED ENGINE: Cummins 5.0 V8 Diesel

IF YOU CONFIRM

The MIL is ON and

DTC P226C (TC BOOST CONTROL SLOW RESPONSE) **IS** stored,

And

DTC P00AF (BOOST PRESSURE CONTROL) is **NOT** stored in the ECM,

And

Binding and/or resistance is observed when the rotary turbine control valve is moved from one stop to the other (full span), by hand.

NOTE: Disconnect the linkage at the actuator to move the rotary control valve.

ACTION

Replace the low pressure turbocharger.

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

NOTE: To replace the low pressure turbocharger, it is necessary to first remove the complete turbocharger assembly that includes both turbochargers.

IMPORTANT: The Electronic Service Manual (ESM) indicates that the following bolts are single use parts. These bolts **WILL** be reused in this procedure. The ESM will be updated to indicate that these are reusable parts.

- BOLT, INTAKE MANIFOLD 11035-EZ41D
- BOLT, TURBO OUTLET 11035-EZ40A

1. Remove the turbocharger assembly.
 - Refer to the ESM: **ENGINE > ENGINE MECHANICAL > CUMMINS 5.0L > REMOVAL AND INSTALLATION > TURBOCHARGER.**

2. Mount the turbocharger assembly in a vise with soft jaws.

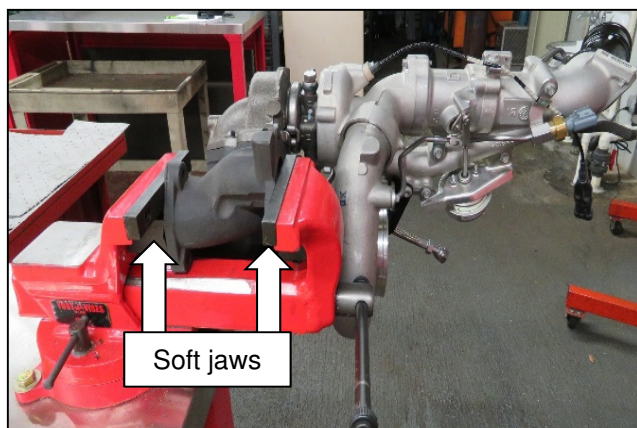


Figure 1

3. Remove the two (2) bolts at the oil feed line banjo fittings.

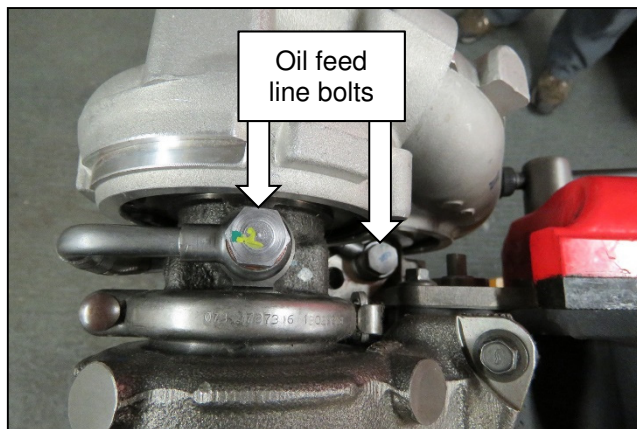


Figure 2

4. Remove the bolt securing the oil feedline to the side of the low pressure turbocharger and set the oil feed line aside.
5. Remove the oil feed line banjo fitting copper gaskets.
 - These gaskets will not be reused.

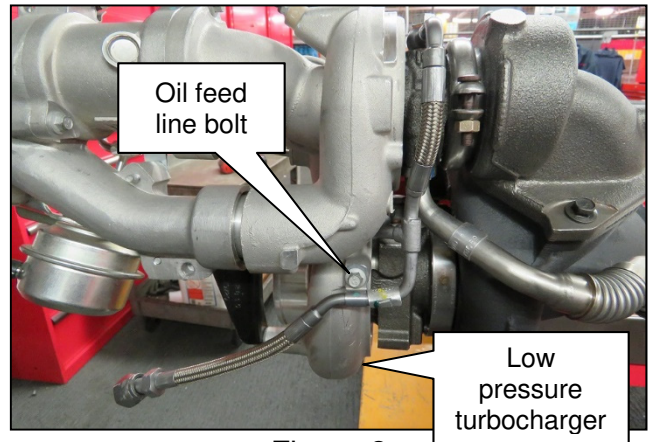


Figure 3

6. Cover both turbocharger oil holes with tape.

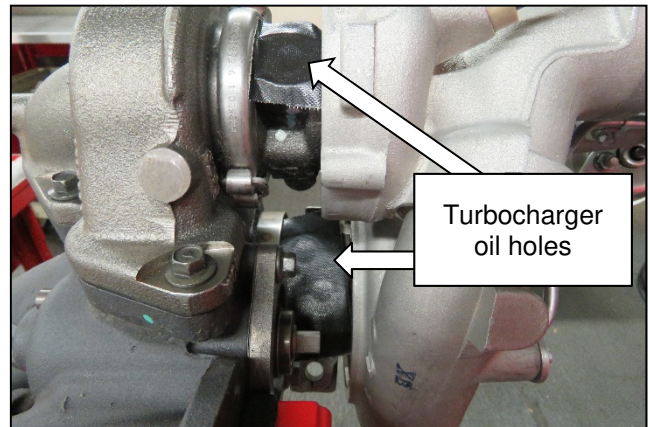


Figure 4

7. Remove the three (3) low pressure turbocharger boost pressure sensor tube bolts, remove the tube and set it aside.

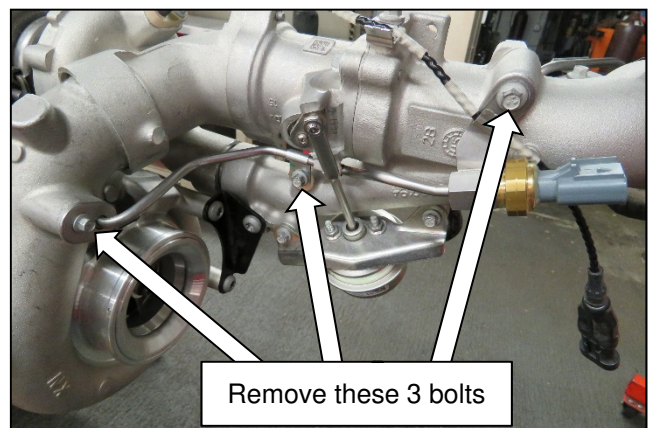


Figure 5

8. Remove the three (3) T45 TORX® support bracket bolts and set the support bracket aside.

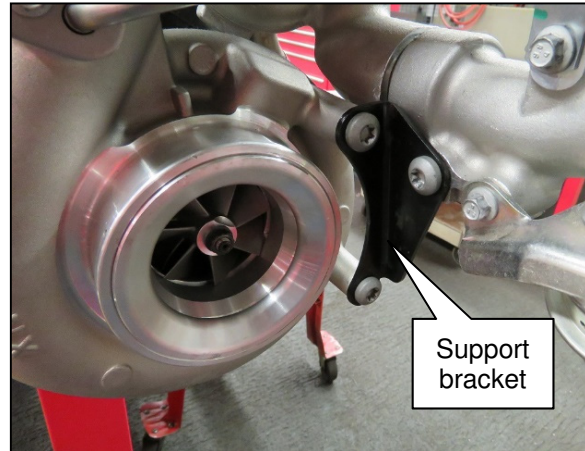


Figure 6

9. Remove the three (3) high pressure turbocharger flange bolts and remove the high pressure turbocharger assembly.
10. Cover all openings on the high pressure turbocharger and set it aside.

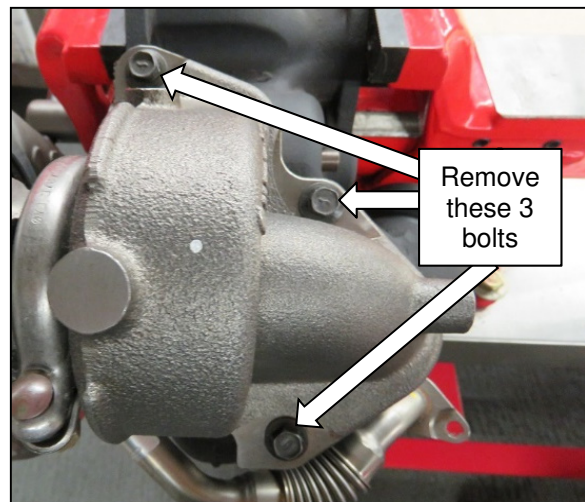


Figure 7

11. Replace the low pressure turbocharger assembly.
- Discard the turbocharger flange gasket.

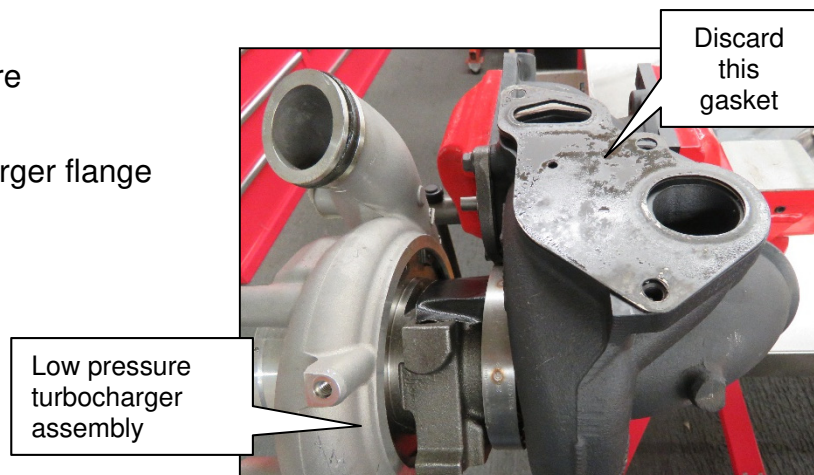


Figure 8

HINT: The rotary turbine control valve linkage is not reusable once it is removed from the rotary turbine control valve shaft. A new linkage must be used on the new low pressure turbocharger.

12. For reassembly, refer to the ESM: **ENGINE > ENGINE MECHANICAL > CUMMINS 5.0L > REMOVAL AND INSTALLATION > TURBOCHARGER.**

- During reassembly, install the new rotary turbine control valve linkage included in the parts kit.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
PARTS KIT-ENG (low pressure turbocharger parts kit)	10007-EZ41A	1
P80® Emulsion (1) (2)	999MP-P80EMUP	1 tube
BLUE LONG LIFE ANTIFREEZE (1)	999MP-L25500P	As needed

- (1) P-80® Emulsion and Blue Long Life Antifreeze are available through the Nissan Maintenance Advantage program: Phone: 877-NIS-NMA1 (877-647-6621). Website order via link on dealer portal www.NNAnet.com and click on the “Maintenance Advantage” link.

HINT: P-80® Emulsion is also available through local sources.

- (2) For warranty repairs, P-80® Emulsion must be used on all “air handling system” O-ring seals. For customer pay repairs, P-80® Emulsion is recommended, but an equivalent water based assembly lubricant may be used.

NOTICE To prevent damage to the “air handling system” O-ring seals, do not use petroleum based lubricants.



Figure 9

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace Low Pressure Turbocharger	(1)	DX58AA	HD	32	4.4

- (1) Reference the electronic parts catalog and use the Turbocharger Assy (144D1-*****) as the Primary Failed Part (PFP).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
October 9, 2020	NTB20-071	Original bulletin published