

Front Exhaust Pipe Catalyst Rattle Noise and/or MIL "ON" DTC P0420

Service Category Engine/Hybrid System

Section Intake/Exhaust

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010	Tacoma	VDS(s): NX4CN, NX4GN, PX4EN, TX4CN, TX4GN, UX4EN

Introduction

Some 2010 model year Tacoma vehicles equipped with the 2TR-FE engine may exhibit a front exhaust pipe catalyst rattle noise and/or MIL "ON" condition with DTC P0420 (Catalyst System Efficiency Below Threshold) stored in the Engine Control Module (ECM) (SAE Term: Powertrain Control Module/PCM). Refer to the repair procedure to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
170171	R & R Front Exhaust Pipe Assembly	0.7	17410-0C100	06	14

APPLICABLE WARRANTY

- This repair is covered under the Toyota Federal Emission Warranty. This warranty is in effect for 96 months or 80,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

Parts Information

PART NUMBER	PART NAME	QTY
17410-0C100	Pipe Assembly, Exhaust, Front	1
17451-0D020	Gasket	1
90080-43033		1

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 8.30.023 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Test drive and verify that an abnormal rattle noise is heard while accelerating.
2. Raise the vehicle on a hoist with the engine running.

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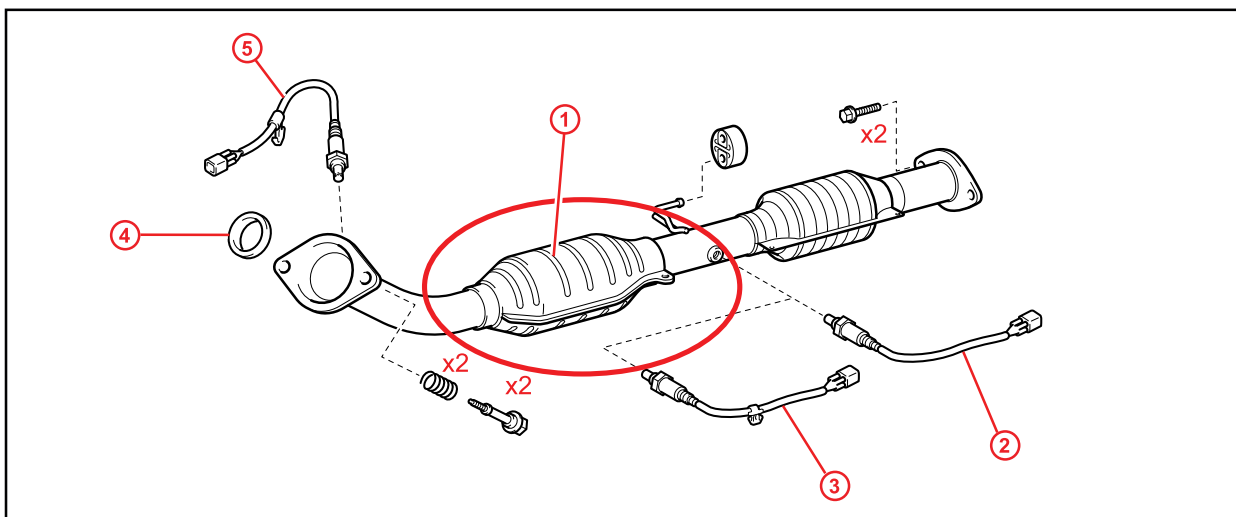
Repair Procedure (Continued)

3. Increase the engine speed and listen to the catalytic converter section on the front exhaust pipe assembly for a rattle noise.

CAUTION

Avoid contacting any part of the exhaust system – it is **VERY HOT**.

Figure 1. 2TR-FE Front Exhaust Pipe Components



1	Catalytic Converter
2	2WD Oxygen Sensor
3	4WD Oxygen Sensor

4	Gasket
5	Air Fuel Ratio Sensor

4. Did the noise appear to be the loudest at the catalytic converter section of the front exhaust pipe assembly?
 - **YES** — Continue to step 5.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
5. Replace the front exhaust pipe assembly.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- 2010 Tacoma:
Engine/Hybrid Systems – Intake/Exhaust – “2TR-FE Exhaust: Exhaust Pipe: [Removal](#) / [Installation](#)”

6. Test drive vehicle to confirm repair.