

# 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.

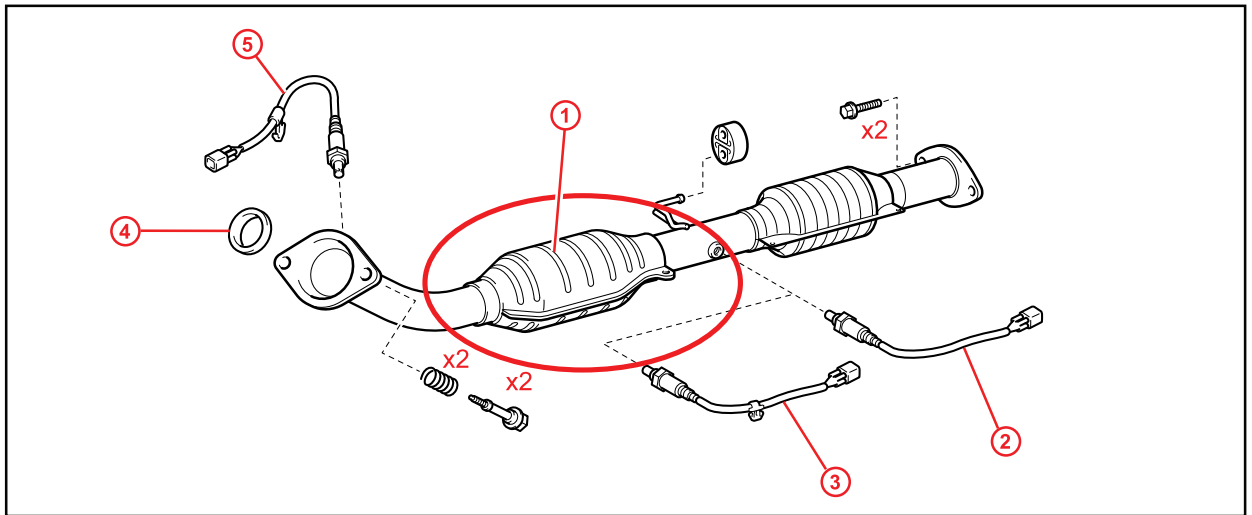
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### Repair Procedure (Continued)

- 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

- 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.
- 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](#)”*
- Test drive vehicle to confirm repair.