

MIL "ON" DTC P219A, P219B, P219C, P219D, P219E, P219F, P21A0, and/or P21A1

Service Category Engine/Hybrid System

Section Engine Mechanical

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2015	Tacoma	

Introduction

Some 2015 model year Tacoma vehicles equipped with a 1GR-FE engine may exhibit a MIL "ON" condition with Diagnostic Trouble Codes (DTCs) P219A, P219B, P219C, P219D, P219E, P219F, P21A0, and/or P21A1 present. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	ENGINE	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Tacoma	1GR-FE	TMMBC	4WD	3TMMU4FN#FM080106
				3TMLU4EN#FM186019
			2WD	3TMKU4HN#FM045057
				3TMJU4GN#FM185554
		TMMTX	4WD	5TFLU4EN#FX016709
				5TFJU4GN#FX016901
			2WD	5TFMU4FN#FX016683
				5TFKU4HN#FX016169

Parts Information

PART NUMBER	PART NAME	QTY
11102-39245	Head, Cylinder, LH	1
11101-39765	Head, Cylinder, RH	1
04112-0P142	Gasket Kit, Engine Valve Grind	1
13711-31071	Valve, Intake	As Needed
13715-31091	Valve, Exhaust	As Needed

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Warranty Information

OP CODE	DESCRIPTION	DRIVE-TRAIN	TRANSMISSION	TIME	OFF	T1	T2
110011	R & R Cylinder Head Sub-Assembly	2WD	RA60	17.1	11101-39765 11102-39245	8A	41
			A750E	14.5			
		4WD	RA60F A750F	15.4			
110011A	Opposite Side	2WD	RA60	5.9			
			A750E	6.2			
110011A	Opposite Side	4WD	RA60F A750F	6.2			
			110051K	Add Power Steering Fluid			
A750E	0.5						
110051K	Add Power Steering Fluid	4WD	RA60F A750F	0.5			
			110051L	Add A/C Coolant	2WD	RA60	0.2
A750E	0.2						
110051L	Add A/C Coolant	4WD	RA60F A750F	0.2			

APPLICABLE WARRANTY

- This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000 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.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 10.10.018 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

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Required Tools & Equipment (Continued)

REQUIRED TOOLS & MATERIAL	QUANTITY
SLLC Coolant	1
FIPG	1
Cylinder Leakdown Tester	1

Repair Procedure

1. Use Techstream to check for DTCs and confirm the condition is present as described in the Introduction.

Are any of the DTCs (P219A, P219B, P219C, P219D, P219E, P219F, P21A0, and/or P21A1) present?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Perform a cylinder leakdown test on each cylinder. Note any cylinders with high compression loss percentage. If compression loss is found during the test, listen to the exhaust, intake, and crankcase to determine the source of the leakage.

Was compression loss in the exhaust and/or intake system found?

- **YES** — Continue to step 3.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

3. Replace the affected cylinder head(s), and all Exhaust and/or Intake Valves for the affected cylinder(s).

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

- 2015 Tacoma (for Bank 1 2WD):
Engine/Hybrid System – Engine Mechanical – “1GR-FE Engine Mechanical: Cylinder Head (for Bank 1 2WD): [Removal](#) / [Installation](#)”
- 2015 Tacoma (for Bank 2 2WD):
Engine/Hybrid System – Engine Mechanical – “1GR-FE Engine Mechanical: Cylinder Head (for Bank 1 2WD): [Removal](#) / [Installation](#)”
- 2015 Tacoma (for Bank 1 4WD and Pre-Runner):
Engine/Hybrid System – Engine Mechanical – “1GR-FE Engine Mechanical: Cylinder Head (for Bank 1 2WD): [Removal](#) / [Installation](#)”

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Repair Procedure (Continued)

- 2015 Tacoma (for Bank 2 4WD and Pre-Runner):
Engine/Hybrid System – Engine Mechanical – “1GR-FE Engine Mechanical: Cylinder Head (for Bank 1 2WD): [Removal](#) / [Installation](#)”
4. Clear all DTCs using Techstream, then test drive the vehicle and confirm that no pending codes are present.