

MIL "ON" DTC P0351, P0352, P0353, P0354, P0355, P0356

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2008 – 2009	Avalon	
2008 – 2010	Camry	VDS(s): BK3EK, BK46K
2008 – 2009	Highlander	VDS(s): DS41A, DS42A, DS43A, ES41A, ES42A, ES43A
2008 – 2009	RAV4	Engine(s): 2GR VDS(s): BK31V, BK32V, BK33V, BK34V, BK35V, ZK31V, ZK32V, ZK33V, ZK34V, ZK35V
2008 – 2010	Sienna	
2009	Venza	VDS(s): BK11A, ZK11A

Introduction

Some 2008 – 2010 model year vehicles equipped with 2GR-FE engines may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P0351, P0352, P0353, P0354, P0355, or P0356 (Ignition Coil Primary/Secondary Circuit) stored in the Engine Control Module/ECM (SAE term: Powertrain Control Module/PCM). Use the following repair procedure to address this condition.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
90919-02251 90919-02255 90919-A2002 90919-A2004	90919-A2004	Coil Assembly, Ignition	1

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Production Change Information

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Avalon	TMMK	2WD	4T1BK36B#9U349085
Camry	TMMK-1		4T1BK3EK#AU101381
	TMMK-2		4T1BK3EK#AU600418
	Tsutsumi		JTNBK3EK#A3046080
Highlander	TMK	2WD	JTEDS4#A#92075940
		AWD	JTEES4#A#92123694
RAV4	Shokki	2WD	JTMZK3#V#9D001631
		AWD	JTMBK3#V#9D005940
	Tahara	2WD	JTMZK3#V#95025242
		AWD	JTMBK3#V#95078096
	TMMC	2WD	2T3ZK3#V#9W001880
		AWD	2T3BK3#V#9W002673
Sienna	TMMI	2WD	5TD#K4CC#AS299900
		AWD	5TD#K4CC#AS029961
Venza	TMMK	2WD	4T3ZK11A#9U012035
		AWD	4T3BK11A#9U014203

Warranty Information

OP CODE	DESCRIPTION	MODEL	TIME	OFP	T1	T2
EG9044	R & R Ignition Coil (Bank 1, Rear Bank)	Avalon	1.1	90919-0225# 90919-A200#	8A	71
		Camry	1.1			
		Highlander	1.0			
		RAV4	1.0			
		Sienna	1.1			
		Venza	1.0			
EG9045	R & R Ignition Coil (Bank 2, Front Bank)	Avalon	0.3			
		Camry	0.3			
		Highlander	0.3			
		RAV4	0.3			
		Sienna	0.3			
		Venza	0.3			

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Warranty Information (Continued)

APPLICABLE WARRANTY

- This repair is covered under the Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 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
TIS Techstream*	ADE	TSPKG1	1
NOTE: Software version 4.21.002 or later is required.			

* Essential SST.

NOTE

Additional TIS Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Using TIS Techstream, confirm one of the following DTCs is present:

- P0351 – Ignition Coil “A” Primary / Secondary Circuit
- P0352 – Ignition Coil “B” Primary / Secondary Circuit
- P0353 – Ignition Coil “C” Primary / Secondary Circuit
- P0354 – Ignition Coil “D” Primary / Secondary Circuit
- P0355 – Ignition Coil “E” Primary / Secondary Circuit
- P0356 – Ignition Coil “F” Primary / Secondary Circuit

2. Inspect the wire harness, connectors, and power source per Repair Manual procedure.

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

- [2008](#) / [2009](#) Avalon:
Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: SFI System: P0351-P0356: Ignition Coil “A” Primary / Secondary Circuit”

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Repair Procedure (Continued)

- [2008](#) / [2009](#) / [2010](#) Camry:
Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: SFI System: P0351-P0356: Ignition Coil “A” Primary / Secondary Circuit”
 - [2008](#) / [2009](#) Highlander:
Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: SFI System: P0351-P0356: Ignition Coil “A” Primary / Secondary Circuit”
 - [2008](#) / [2009](#) RAV4:
Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: SFI System: P0351-P0356: Ignition Coil “A” Primary / Secondary Circuit”
 - [2008](#) / [2009](#) / [2010](#) Sienna:
Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: SFI System: P0351-P0356: Ignition Coil “A” Primary / Secondary Circuit”
 - [2009](#) Venza:
Engine/Hybrid System – Engine Control – “2GR-FE Engine Control System: SFI System: P0351-P0356: Ignition Coil “A” Primary / Secondary Circuit”
3. If NO concerns are noted with the wire harness, connectors, or power source, replace the affected ignition coil.

Refer to TIS, applicable model and model year Repair Manual:

- 2008 Avalon:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition Coil: [Removal](#) / [Installation](#)”
- 2009 Avalon:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition Coil: [Removal](#) / [Installation](#)”
- 2008 Camry:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil: [Removal](#) / [Installation](#)”
- 2009 Camry:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil: [Removal](#) / [Installation](#)”
- 2010 Camry:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil: [Removal](#) / [Installation](#)”
- 2008 Highlander:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil and Spark Plug: [Removal](#) / [Installation](#)”
- 2009 Highlander:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil and Spark Plug: [Removal](#) / [Installation](#)”

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Repair Procedure (Continued)

- 2008 RAV4:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil: [Removal](#) / [Installation](#)”
 - 2009 RAV4:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil: [Removal](#) / [Installation](#)”
 - 2008 Sienna:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil and Spark Plug: [Removal](#) / [Installation](#)”
 - 2009 Sienna:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil and Spark Plug: [Removal](#) / [Installation](#)”
 - 2010 Sienna:
Engine/Hybrid System – Engine Control – “2GR-FE Ignition: Ignition Coil and Spark Plug: [Removal](#) / [Installation](#)”
 - 2009 Venza:
Engine/Hybrid System – Engine Control – “2GR-FE Engine Control: Ignition Coil and Spark Plug: [Removal](#) / [Installation](#)”
4. Clear DTCs.
 5. Test drive the vehicle to confirm the condition has been corrected.