

MIL "ON" DTC P0401 and/or Rattle After Cold Soak

Service
Category Engine/Hybrid System

Section Emission Control

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010, 2012	Prius PHV	
2012	Prius V	
2010 - 2012	Prius	

Introduction

Some Prius, Prius V and Prius PHV vehicles may exhibit a vibration due to rough idle and/or tapping noise from the HV transaxle at cold start. The Check Engine Light may also illuminate with (DTC) P0401 (Exhaust Gas Recirculation Flow Insufficient Detected). Due to excess carbon build up at the valve assembly, the valve will stick causing the engine RPM to fluctuate. Follow the procedures 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	PRODUCTION CHANGE EFFECTIVE VIN
Prius	2ZR-FXE	JTDKN3DU#C5491168
Prius V		JTDZN3EU#C3159675
Prius PHV		JTDKN3DP#C3023590

MIL "ON" DTC P0401 and/or Rattle After Cold Soak**Warranty Information**

OP CODE	DESCRIPTION	TIME	QFP	T1	T2
EG1601	Reprogram Engine ECU R & R Exhaust Recirculation Valve Modify Wire Harness	2.4	25620-37120	8A	54

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.
- For California specification Prius and Prius PHV vehicles sold, registered, and operated in Arizona ('12 MY only), California, Connecticut, Maine, Maryland (starting with '11 MY), Massachusetts, New Jersey, New Mexico ('10-'11 MY only), New York, Oregon, Rhode Island, and Vermont, the Exhaust Recirculation Valve is covered under the California Emission Warranty. This warranty is in effect for 180 months or 150,000 miles, whichever occurs first, from the vehicle's in-service date.
- For California specification Prius and Prius PHV vehicles sold, registered, and operated in Delaware, Pennsylvania and Washington, the Exhaust Recirculation Valve is covered under the California Emission Control Warranty which is in effect for 84 months or 70,000 miles, whichever occurs first, from the vehicle's in-service date.
- For California specification Prius V vehicles sold, registered, and operated in Arizona ('12 MY only), California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington, the Exhaust Recirculation Valve is covered under the California Emission Warranty. This warranty is in effect for 84 months or 70,000 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
04004-58137	Kit, EGR Valve (Valve Assy, EGR) (Gasket, EGR Inlet) (Gasket, EGR Pipe) (Gasket, EGR Valve)	1
25685-37010	Gasket No. 1, EGR Cooler	1
00451-00001-LBL	Authorized Modifications Label	1

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Parts Information

MODEL	MODEL YEAR	ECU PART NUMBER		PART NAME	QTY
		PREVIOUS	NEW		
Prius	2010	89660-47300	89660-47306	Computer, Engine Control	-
		89660-47301			
		89660-47302			
		89660-47303			
		89660-47304			
		89660-47305			
	2011	89660-47430	89660-47435		
		89660-47431			
		89660-47432			
		89660-47433			
		89660-47434			
	2012	89660-47510	89660-47514		
89660-47511					
89660-47512					
89660-47513					
Prius V	2012	89660-47400	89660-47405		
		89660-47401			
		89660-47402			
		89660-47403			
		89660-47404			
Prius PHV	2012	89660-47590 89660-47591	89660-47592		

NOTE

The ECM (PCM) should NOT be replaced as part of the repair procedure.

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REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

* Essential SST.

- NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 11.00.017 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- The Diagnostic Tester is NOT recommended for flash reprogramming. Please use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.



SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

* Essential SST.

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Calibration Information

MODEL	MODEL YEAR	ECU CALIBRATION IDs	
		PREVIOUS	NEW
Prius	2010	34715000 34715100 34715200 34715300 34715400 34715500 34715600	<u>34715700</u>
	2011	34728000 34728100 34728200 34728300 34728400	<u>34728500</u>
	2012	34734000 34734100 34734200 34734300	<u>34734400</u>
Prius V	2012	34725000 34725100 34725200 34725300 34725400	<u>34725500</u>
Prius PHV		34740000 34740100	<u>34740200</u>