

Coolant Leak and/or Abnormal Noise from Water Pump

Service Category Engine/Hybrid System

Section Cooling

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2009 – 2010	Corolla	Engine(s): 2ZR VDS(s): BL40E, BU40E, BU4EE
2009 – 2010	Matrix	Engine(s): 2ZR VDS(s): KU40E, KU4EE

Introduction

Some 2009 – 2010 model year Corolla and Matrix vehicles may exhibit a small coolant leak and/or abnormal noise from the engine compartment originating at the water pump assembly. Refer to the repair procedure below to address this condition.

Production Change Information

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

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Corolla	NUMMI	1NXBU4EE*AZ203905
	TMMC	2T1BU4EE*AC230808
	Kanto	JTDBU4EE*A9099257
	Takaoka	JTDBU4EE*AJ057183
Matrix	TMMC	2T1KU4EE*AC230839

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG9026	R & R Water Pump Assembly	1.2	16100-39465	64	14

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.

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Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
16100-39465	16100-39466	Pump Assembly, Water	1

Required Tools & Equipment

REQUIRED MATERIAL	PART NUMBER	QTY
Super Long Life Coolant (SLLC)	00272-SLLC2	5.8 U.S. qts (5.5 liters, 4.8 Imp. qts)

Repair Procedure

1. Confirm coolant leak and/or abnormal noise from the engine compartment.
2. Is the coolant leak and/or abnormal noise originating at the water pump?
 - **YES** — Proceed to step 3.
 - **NO** — This TSB does NOT apply — Continue diagnosis as necessary.
3. Replace the water pump assembly.

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

- 2009 Corolla:
Engine/Hybrid System – Cooling – “2ZR-FE Cooling: Water Pump: [Removal](#) & [Installation](#)”
 - 2010 Corolla:
Engine/Hybrid System – Cooling – “2ZR-FE Cooling: Water Pump: [Removal](#) & [Installation](#)”
 - 2009 Matrix:
Engine/Hybrid System – Cooling – “2ZR-FE Cooling: Water Pump: [Removal](#) & [Installation](#)”
 - 2010 Matrix:
Engine/Hybrid System – Cooling – “2ZR-FE Cooling: Water Pump: [Removal](#) & [Installation](#)”
4. Confirm the repair and proper vehicle operation.