

# 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<br>VDS(s): BL40E, BU40E, BU4EE |
| 2009 – 2010 | Matrix   | Engine(s): 2ZR<br>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<br>(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.