

ABS MIL "ON" DTC C0210 or C0215

Service Category Brake

Section Brake Control/Dynamic Control System **Market** USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2009	Corolla	Drive Type(s): 2WD VDS(s): BE40E, BL40E
2009	Matrix	Drive Type(s): 2WD VDS(s): KE40E

Introduction

Some 2009 model year Corolla and Matrix vehicles may exhibit an ABS MIL "ON" condition with either one or both of the following Diagnostic Trouble Codes (DTCs):

- C0210 – Rear Speed Sensor RH Circuit
- C0215 – Rear Speed Sensor LH Circuit

A newly designed speed sensor connector is available for this condition. Use the following repair procedure to diagnose and repair vehicles exhibiting 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	Takaoka	JTDBL40E#9J031325
	Kanto	JTDBL40E#99057181
	NUMMI	1NXBE40E#9Z079599
	TMMC	2T1BE40E#9C024571
Matrix	TMMC	2T1KE40E#9C024637

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BR8015	R & R Rear Speed Sensor Wire (One Side)	0.5	89516-#2###	66	17
Combo A	Opposite Side	0.1			
BR8016	R & R Hub and Bearing Assembly, Rear Axle w/ABS Sensor (One Side)	1.0	42450-02170		
Combo A	Opposite Side	0.5			

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 correction of a problem based upon a customer's specific complaint.

Parts Information

MODEL	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
Corolla (Japan Built)	89516-12140	Same	Wire, Skid Control Sensor RH	1
	89516-12150	Same	Wire, Skid Control Sensor LH	1
	42450-12170	Same	Hub and Bearing Assembly, Rear Axle w/ABS Sensor	2
Corolla/Matrix (NAP)	89516-02130	Same	Wire, Skid Control Sensor RH	1
	89516-02140	Same	Wire, Skid Control Sensor LH	1
	42450-02170	Same	Hub and Bearing Assembly, Rear Axle w/ABS Sensor	2
Matrix (XRS)	89516-02150	Same	Wire, Skid Control Sensor RH	1
	89516-02160	Same	Wire, Skid Control Sensor LH	1
	42450-02150	Same	Hub and Bearing Assembly, Rear Axle w/ABS Sensor	2

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 4.12.001 or later is required.	ADE	TSPKG1	1

* Essential SST.

NOTE

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

Repair Procedure

1. Confirm that the ABS warning light is illuminated.
2. Use TIS Techstream to perform a Health Check.
3. If either C0210 or C0215 DTC codes are stored under the ABS System, inspect the rear speed sensor connectors and sensor pins for rust/corrosion.
4. If rust/corrosion is found in the left rear and/or right rear speed sensor connector, disconnect the connector and replace the speed sensor wire harness.

If rust/corrosion is also found on the terminals of the rear speed sensors, replace the speed sensors.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual for rear speed sensor replacement and installation:

- 2009 Corolla:
Drivetrain – Axle/Differential – “Axle and Differential: Rear Axle Hub: [Removal](#) and [Installation](#)”
- 2009 Matrix (2WD):
Drivetrain – Axle/Differential – “Axle and Differential: Rear Axle Hub: (for Double Wishbone Type Suspension): [Removal](#) and [Installation](#)”

5. After the repair is complete, clear any stored DTCs and test drive the vehicle to confirm the repair.