

# Steering On-Center Feel

**Service Category** Steering

**Section** Power Assist Systems

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2009 – 2010	Corolla	VDS(s): BL40E, BU40E, BU4EE

### NOTE

This TSB does NOT apply to XRS grade Corolla vehicles.

### TSB REVISION NOTICE

July 21, 2010 Rev1:

- Applicability has been updated with additional VDS information and a Note.

Any previous printed versions of this service bulletin should be discarded.

## Introduction

Some customers have expressed dissatisfaction with the on-center steering feel on the 2009 – 2010 model year Corolla vehicles. A re-tuned Power Steering Computer Assembly has been developed to provide an alternative steering feel for these customers.

## Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
89650-02300	89650-12C20	Computer Assembly, Power Steering	1
89650-12410			

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
043233	Alignment Inspection	1.2	45046-19425	3A	19
Combo A	Toe Adjustment	0.1			
Combo B	Camber Adjustment	0.5			
ST1006	R & R Power Steering Computer Assembly	2.1	89650-#2##0		99

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### Warranty Information (Continued)

#### **APPLICABLE WARRANTY**

- **Op Code 043233:** This repair is covered under the Toyota Comprehensive Warranty. Wheel alignments are limited to one repair during the first 12 months or 20,000 miles, whichever occurs first, from the vehicle's in-service date.\*
- **Op Code ST1006:** 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.**

\* For New York dealers, the coverage is extended to 24 months/18,000 miles due to New York "lemon law" legislation.

### Repair Procedure

1. Test drive the vehicle to confirm the customer's complaint.
2. Check for correct tire pressure on all four wheels and adjust per the tire pressure label located on the driver's door.

#### **NOTICE**

**Low or high tire pressure will affect on-center feel.**

3. Confirm that the vehicle does not have a pulling condition. If a pull is felt to either side, diagnose and repair the condition.

Refer to TSB No. [T-SB-0391-08](#), "*Repair Manual Supplement: Vehicle Pulling to One Side*".

4. If NO pull is detected, proceed with the following:
  - A. Inspect the front and rear tires for any irregular wear that might indicate an alignment concern. If tires show excessive wear, replace as needed.
  - B. Check the front and rear suspension components for any damage or irregular wear, and repair as necessary.

5. If the above conditions are NOT present, replace the Power Steering Computer Assembly.

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

- [2009](#) / [2010](#):  
*Vehicle Interior – Interior Panels/Trim – "Interior Panels/Trim: Upper Instrument Panel: Removal"*
- [2009](#) / [2010](#):  
*Steering – Power Assist Systems – "Power Assist Systems: Power Steering ECU (2ZR-FE): Removal"*