Main Body ECU Improvement

Service Category	Power Source/Network	
Section	Networking	**Market** USA

Toyota Supports
ASE Certification

ASE CERTIFIED

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2012	Prius C	

Introduction

Some 2012 model year Prius C vehicles may exhibit one or more of the following conditions:

- ABS and TRC MIL "ON" with DTC B2321.

- Keyless Entry and Smart Key features are inoperative.

- Vehicle interior door lock/unlock switches are inoperative.

- Multi-Display may show the incorrect door is opened.

- Shift Position Linked Door Locking Function may not operate, not locking the doors when the shift position is moved out of "P" position.

If any of these conditions are exhibited and the vehicle is able to "Ready" On (key may need to be held over the ignition button), the Main Body ECU may require replacement.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL1225	R & R Main Body ECU	0.7	89220-52520	87	74

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.**

- **Warranty application is limited to occurrence of the specified condition described in this bulletin.**

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Production Change Information

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

MODEL	PLANT	LINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Prius C	Kanto	1	CVT-E	JTDKDTB3#C1026781
		2		JTDKDTB3#C1521900

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
89220-52520	89220-52521	Computer Assembly, Multiplex Network	1
89220-52530	89220-52531		1

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

* Essential SST.

> **NOTE**
> - **Only ONE of the Techstream units listed above is required.**
> - **Software version 8.00.034 or later is required.**
> - **Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.**
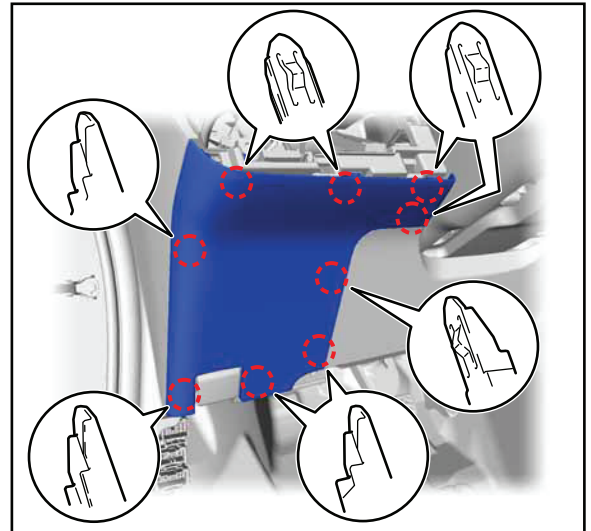
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Repair Procedure

1. Confirm the vehicle is able to "Ready" On and exhibits one or more of the conditions described in the Introduction.

2. Disconnect the negative (–) cable from the battery terminal.

> **CAUTION**
> **Wait at LEAST 90 seconds after disconnecting the battery cable to prevent possible airbag deployment.**

3. Remove Lower Instrument Panel Finish Panel LH.

   Disengage the 9 claws and remove the lower instrument panel finish panel LH as shown in Figure 1.

Figure 1.
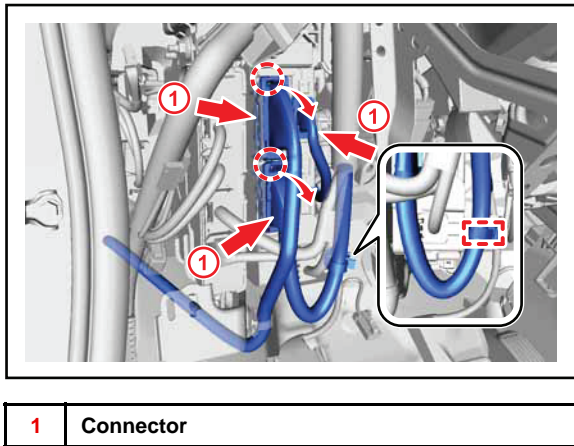
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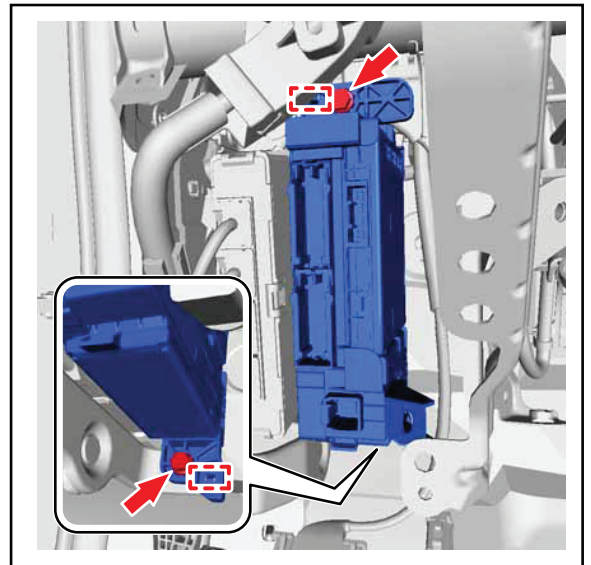**Repair Procedure (Continued)**

4. Remove Instrument Panel Junction Block Assembly.

   A. Disengage the clamp.

   B. Disconnect the connector.

   C. Disengage the 2 claws and disconnect the 2 connectors.

   D. Remove the 2 bolts.

Figure 2.

1	Connector

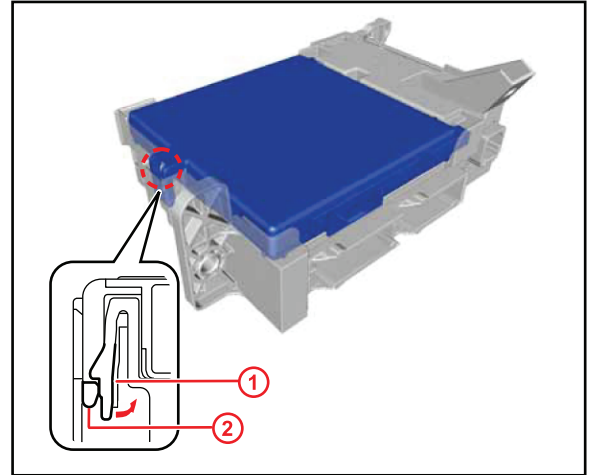**Figure 3. Bolt Location**

5. Remove the Main Body ECU.

**Figure 4.**

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Repair Procedure (Continued)

A. Press the claw of the Junction Block as shown in the illustration to release the lock.

Figure 5.

1	Instrument Panel Junction Block
2	Main Body ECU (Multiplex Network Body ECU)

B. With the Junction Block lock released, insert a screwdriver with its tip wrapped with protective tape horizontally between the Main Body ECU (Multiplex Network Body ECU) and Junction Block.

Figure 6.
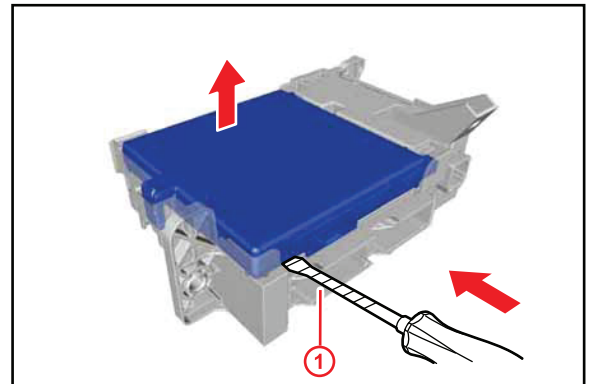
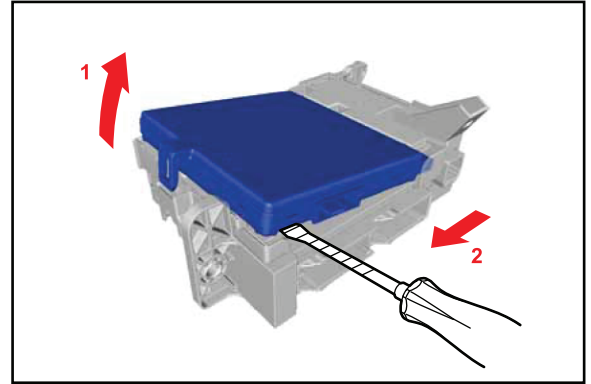| 1	Protective Tape

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Repair Procedure (Continued)

C. Using the taped screwdriver, carefully raise the Main Body ECU (Multiplex Network Body ECU) up to the position where the connector becomes disengaged.

Figure 7.

> **NOTICE**
>
> **Do NOT twist the screwdriver to raise the main body ECU.**

D. Raise the Main Body ECU (Multiplex Network Body ECU) as shown by arrow 1, and then pull it out as shown by arrow 2 in the illustration.

> **NOTICE**
>
> **Do NOT touch the ECU connector.**

6. Install in the reverse order of removal.

7. When installing the Instrument Panel Junction Block Assembly retaining bolts tighten to the following specifications.
   Torque: 5.5 N*m (56 kgf*cm, 49 in*lbf)

8. Verify all systems operated properly and initialize any systems that may require initialization.