



**Technical Service  
BULLETIN**

April 5, 2005

Title:

**PASSENGER AIRBAG INDICATOR LAMP**

Models:

'04 – '05 Camry, Highlander, & Solara,  
'05 Matrix & Corolla

**ELECTRICAL  
EL005-05**

**Introduction** The passenger airbag indicator lamp may switch from ON to OFF for front seat passengers weighing approximately less than 100 pounds, depending on their seating position. It is important for the front seat passengers to know that proper operation of the advanced frontal airbag system is highly dependent on the pressure placed on the seat bottom. Situations that add or subtract sensed weight can result in occupant misclassification. To minimize this situation:

- Check seating posture.
  - Passengers should be seated upright with their back against the seat back and feet on the floor.
- Check loading conditions.
  - Extra weight from items, such as bags or groceries or toys, hanging on the seat back can add to the sensed weight of the front seat passenger.
  - A rear seat passenger lifting the front seat with their legs, objects placed under the front seat, or the front seatback in contact with the rear seat can subtract from the sensed weight of the front seat passenger.

If the passenger airbag indicator lamp continues to switch ON to OFF after checking the above conditions, perform the following repair procedure.

**NOTE:**

**The safest place for children is in the rear seat. Please note that Toyota recommends that you never install a rear-facing child restraint in the front passenger seat, even if the passenger "Airbag OFF" lamp is illuminated. Please refer to your Owner's Manual for additional details.**

**Applicable Vehicles**

- **2004 – 2005** model year **Camry, Highlander,** and **Solara** vehicles produced **BEFORE** the Production Change Effective VINs shown on the following page.
- **2005** model year **Matrix** and **Corolla** vehicles produced **BEFORE** the Production Change Effective VINs shown on the following page.

**Warranty Information**

OP CODE	DESCRIPTION	TIME	QFP	T1	T2
EL4013	R & R Occupant Detection ECU	0.7	89952-33010 89952-35010	87	74

**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.





**Production  
Change  
Information**

MODEL	PLANT	ENGINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Highlander	TMK	L4	2WD	JTE#D21A#50109200
			4WD	JTE#D21A#50033741
		V6	2WD	JTE#P21A#50047700
			4WD	JTE#P21A#50074450
Camry	Tsutsumi	L4	–	JTDBE3#K#50311605
		V6	–	JTDBE3#K#50159183
	TMMK#1	L4	–	4T1BE3#K#5U435000
		V6	–	4T1B#3#K#5U093700
	TMMK#2	L4	–	4T1BE3#K#5U996000
		V6	–	4T1B#3#K#5U599000
Solara	TMMK	L4	–	4T1CE3#P#5U995917
		V6	–	4T1#A3#P#5U051501
Corolla	NUMMI	L4	2WD	1NXBR3#E*5Z436639
	TMC			JTDBR3#E*52066607
	TMMC			2T1B*3#E*5C409312
Matrix	TMMC	L4	2WD	2T1K*3#E*5C877584
			4WD	2T1LR3#E*5C877584

**Parts  
Information**

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
89952–33010	89952–33011	Occupant Detection Computer	1
89952–35010	89952–35011		1

**Required  
SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	<b>Toyota Diagnostic Tester Kit*</b> NOTE: • All components from this kit/set are needed • 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 12.01a Software (or later) is needed	 TOY220036	1	9
2	<b>Occupant Seat Weight Set*</b> NOTE: All components from this kit/set are needed	 00002–09077–01	1	25

\* Essential SSTs.

\*\* Refers to drawer number in SST Storage System.

**NOTE:**  
**Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.**

**Repair  
Procedure**

1. Unfasten the passenger seat and rock the assembly back providing access to the underside of the seat. For information on removing the seat, refer to the Technical Information System (TIS): 2004 or 2005 model year applicable vehicle Repair Manual: *Seat: Front Seat Assembly: Overhaul*.
2. Disconnect the negative terminal of the vehicle battery.
3. Disconnect electrical connectors from Occupant Detection ECU.
4. Remove and replace the Occupant Detection ECU.
5. Reinstall the seat assembly. For information on removing the seat, refer to TIS: 2004 or 2005 model year applicable vehicle Repair Manual: *Seat: Front Seat Assembly: Overhaul*.

**Torque Specification for Seat Mounting Bolts:****Camry, Highlander, Solara = 37 N•m (375 kgf•cm, 27 ft•lbf)****Corolla, Matrix = 47 N•m (480 kgf•cm, 35 ft•lbf)**

6. Reconnect the negative terminal of the vehicle battery.
7. Perform Zero Point Calibration and Sensitivity Check following prompts in the Diagnostic tool found under the Occupant Detect menu item (refer to TSB No. EL002–04, “Occupant Classification System Initialization [DTC B1150 & B1650]”).
8. Reinitialize systems affected by the disconnection of the vehicle battery.