



**Technical Service
BULLETIN**

May 23, 2005

Title:

**OCCUPANT CLASSIFICATION SYSTEM:
DTC B1785, B1786, B1787, OR B1788**

Models:

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

REVISSED
EL009-05
ELECTRICAL

TSB REVISION NOTICE:

- August 28, 2006: DTCs B1786, B1787, and B1788 have been added to the TSB. Previous versions of this TSB should be discarded.

Introduction Some customers may complain that the SRS and Passenger Airbag OFF indicator lights remain on. If Occupant Detection Diagnostic Trouble Code (DTC) B1785, B1786, B1787, or B1788 is found, confirm the vehicle was not involved in a collision and no foreign object is lodged under the seat assembly.

If this is not the case, a customer may have lifted the seat frame by exerting extra force on the seatback. The following repair will replace the existing seat for one calibrated for heavier customers.

Applicable Vehicles

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

Warranty Information

OP CODE	MODEL	DESCRIPTION	TIME	OFFP	T1	T2
EL4009	Camry	R & R Seat Assembly	0.8	71100-#####-##	87	74
	Corolla		0.7			
	Highlander		0.7			
	Matrix		0.7			
	Solara		0.8			
EL4010	Camry	R & R Seat Frame Assembly	1.6	71110-#####	87	74
	Corolla		1.3			
	Highlander		2.5			
	Matrix		1.3			

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	DRIVELINE	PRODUCTION CHANGE EFFECTIVE VIN
Camry	Tsutsumi	L4	–	JTDBE3#K#40297401
		V6	–	JTDBF3#K#40157936
	TMMK Line 1	L4	–	4T1BE3#K#5U387000
		V6	–	4T1BA3#K#5U506001
	TMMK Line 2	L4	–	4T1BE3#K#5U946000
		V6	–	4T1BA3#K#5U037903
Corolla	TMC	L4	–	JTDDBR3#E#52051000
	NUMMI		–	1NXBR3#E#5Z381000
	TMMC		–	2T1BR3#E#5C352600
Highlander	TMK	L4	2WD	JTE#D21A#40101500
			4WD	JTE#D21A#40032250
		V6	2WD	JTE#P21A#40038650
			4WD	JTE#P21A#40059300
Matrix	TMMC	L4	–	2T1#*3#E#5C858460
Solara	TMMK	L4	–	4T1CE3#P#4U946005
		V6	–	4T1#A3#P#4U037900

Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Toyota Diagnostic Tester Kit* NOTE: • All components from this kit/set are required • 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.4a Software (or later) is required	 TOY220036	1	9
2	CAN Interface Module Kit* NOTE: • All components from this kit/set are required	 01002744	1	9

* Essential SSTs.

** 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.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
71100-#####-##	Same	Seat Assembly	1
71110-#####	Same	Seat Frame Assembly	1

Repair Procedure

1. Confirm “Occupant Detect” DTC B1785, B1786, B1787, or B1788 using the Toyota Diagnostic Tester.
2. Confirm vehicle was NOT involved in a collision.*
3. Confirm nothing is wedged under the seat.*
 - * In case of a legitimate collision detection, perform system initialization per Repair Manual or TSB No. EL002-04, “Occupant Classification System Initialization (DTC B1150 & B1650),” and clear codes.
4. Replace seat frame if DTC B1785, B1786, B1787, or B1788 is found.
 - A. If seat is not equipped with a side airbag, replace the seat frame assembly.
 - B. If seat is equipped with a side airbag, replace the entire seat assembly.

NOTE:

- Once the Occupant Classification System is re-initialized, the system will resume proper operation. The person identified to be setting the failure code should be restricted to sitting in the back seat until the new parts can be installed. Perform system initialization per TSB No. EL002-04, “Occupant Classification System Initialization (DTC B1150 & B1650),” and clear codes.
- Due to logistical difficulties in stocking seat assemblies, please prepare customers for potentially long wait times for service parts. Order parts VOR to ensure new seat and seat frames are delivered as quickly as possible.

Technical Note

The SRS Occupant Classification System includes four weight sensors on the frame of the passenger seat. In order to ensure accurate measurements, this system is equipped with self protection logic. DTC B1785, B1786, B1787, or B1788 will turn ON the SRS warning light and “Passenger Airbag OFF” light prompting a dealer visit. DTC B1785, B1786, B1787, or B1788 is prompted when the seat frame is lifted with 292 lbs of force. Toyota has increased this threshold to accommodate greater forces.

