

IG1 Relay Freezing

Service Category Power Source/Network

Section Networking

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2009	Corolla, Matrix	
2008 – 2009	Highlander	
2006 – 2009	Prius, RAV4, Sienna	

TSB REVISION NOTICE

July 21, 2009 Rev2:

- Step 2.A in the Repair Procedure has been updated.

May 8, 2009 Rev1:

- Parts Information table has been updated.
- Warranty Information table has been updated with new models.

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

Introduction

Some customers may experience multiple warning lights illuminated, vehicle not shifting from Park to Drive, and other accessories becoming inoperative after the vehicle has cold soaked in sub freezing (below 14°F[-10°C]) ambient air temperatures. A newly designed relay has been made available to improve this condition. Use the following procedure to address this concern.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
90987-02025 90080-87024 (Color: GRAY)	90987-02031 (Color: RED)	IG1 Relay	1
90987-02030 90987-A2002 (Color: PINK)			

IG1 Relay Freezing

Warranty Information

OP CODE	DESCRIPTION	MODEL	TIME	OFP	T1	T2
832251	Relay Replacement	2008–2009 Highlander	0.1	90987-020##	72	02
		2006–2009 Sienna 2006–2008 RAV4	0.2			
		2009 RAV4 2GR-FE	0.2			
		2009 RAV4 2AR-FE	0.1			
EL8065	Relay Replacement	2006–2009 Prius 2009 Corolla 2009 Matrix	0.2			

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 occurrence of the specified condition described in this bulletin.

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

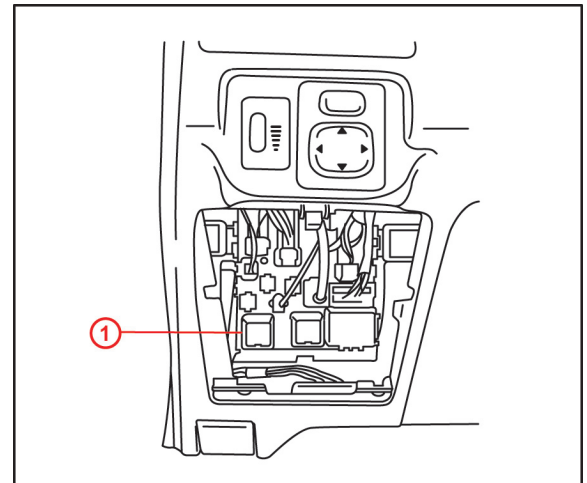
Additional TIS Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

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Repair Procedure

1. Locate the instrument panel junction block No. 1 in the Instrument Panel (as shown in Figure 1).
2. Remove the relay and verify the part number located on the side of the relay.
 - A. If the part number is NOT 90987-02031, then replace the relay with the countermeasure relay.
 - B. If the part number is 90987-02031, then diagnose the specific conditions reported by the customer following the Repair Manual.

Figure 1.



1 IG1 Relay

3. Connect TIS Techstream and clear any stored DTCs.