

Tire Pressure Monitoring System (TPMS) Tire Registration and "Lost Communication with ECU"

Service Category Suspension

Section Tire Pressure Monitoring

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 – 2009	ES350, LS460, LS600H	
2006 – 2009	GS300, GS350, IS250, IS350, LX470, LX570, RX350, RX400H	
2006 – 2007	GS430	
2008 – 2009	GS450H, IS F	
2008 – 2009	GS460	
2004 – 2009	GX470	
2007 – 2009	SC430	

Introduction

The purpose of this bulletin is to provide procedures on Tire Pressure Monitoring System sensor registration when "Lost Communication With ECU" appears on the Techstream display.

This condition may occur when trying to register one or more sensors. Follow the procedures in this bulletin to properly register TPMS sensors.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 4.00.017 or later is required.	ADE	TSPKG1	1

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Required Tools & Equipment (Continued)

* Essential SST.

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

SPECIAL SERVICE TOOLS (SST'S)	PART NUMBER	QTY
Jumper Wire	09843-18040	1

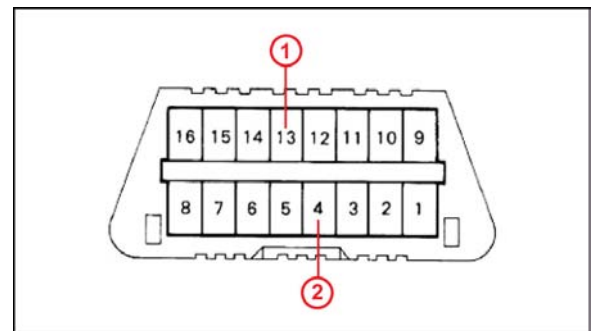
* Essential SST.

NOTE
 Additional SSTs may be ordered by calling 1-800-933-8335.

Repair Procedure

1. Connect TIS Techstream to the vehicle.
2. Turn the ignition switch to the "IG-ON" position.
3. Select the datalist for the Tire Pressure Monitoring System.
4. Check and set all tire pressures to specification with an accurate tire pressure gauge and compare the information to what is displayed on the datalist.
5. After checking the tire pressure, record the TPMS sensors ID numbers.
6. With the vehicle set to "IG-ON" mode, disconnect the TIS Techstream.
7. Using Jumper wire or equivalent, connect terminals TC and CG at the DL3 connector for at least 30 seconds. Do not cycle the ignition switch to "OFF" position during this step. (LX470 use TC and E1 at DLC1)

Figure 1.



1	Tc
2	CG

8. Once 30 seconds have passed, with the vehicle still in "IG-ON" mode, remove the jumper wire.

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Repair Procedure (Continued)

9. Connect TIS Techstream and begin the registration process.

NOTE

If "Lost Communication With ECU" appears during the registration process, then terminals TC and CG were not connected properly or the key was cycled during this process.

10. After registration has been performed, leave TIS Techstream connected and confirm that the tire pressures are reading correctly and the threshold pressures show a difference of 5 to 7psi less than the inflation pressure. For vehicles with a TPMS reset switch, press and hold the reset switch to begin the initialization process.
11. After tire pressures and thresholds pressures display on the datalist, adjust all tire pressures in relation to the expected changes in ambient temperatures.

NOTE

Please refer to TSIB [L-SB-0154-08](#) for tire inflation pressure compensation and adjustment procedures.