

# Dynamic Radar Cruise- "Check PCS" Message

**Service Category** Vehicle Interior

**Section** Pre-Crash Safety

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2006	GS300	
2007	GS350	
2006 – 2007	GS430	
2006 – 2007	IS250	
2006 – 2007	IS350	

## Introduction

Some customers may experience a condition where the dynamic radar cruise control displays "Check PCS" on the multi-information display. Diagnostic Trouble Codes (DTCs) B2056 (Axial Gap of Radar Sensor) and P1572 (Improper Aiming of Radar Sensor Beam Axis) may also be stored. An updated distance control computer has been made available to correct this condition.

## Production Change Information

MODEL	DRIVETRAIN	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
GS350	2WD	Tahara	JTHBE96S#70011181
	4WD		JTHCE96S#70003620
GS430	2WD		JTHBN96S#75016433
IS250	2WD		Toyota Kyusyu
		Tahara	JTHCK262#75009206
	4WD	Toyota Kyusyu	JTHCK262#72009283
IS350	2WD	Tahara	JTHBE262#75014006
		Toyota Kyusyu	JTHBE262#72007508

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### Warranty Information

OP CODE	MODEL	DESCRIPTION	TIME	OFP	T1	T2
EL8050	GS 300/350/430	Replace Distance Control ECU	0.9	88240-30420	72	74
	IS 250/350		1.0	88240-53020		

#### APPLICABLE WARRANTY

- This repair is covered under the Lexus Comprehensive Warranty. This warranty is in effect for 48 months or 50,000 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.

### Parts Information

MODEL	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
GS 300/350/430	88240-30420	Same	Computer Assy, Distance Control	1
IS 250/350	88240-53020			

### Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 3.01.000 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.

### Repair Procedure

1. Using TIS Techstream, clear all Pre-collision system and cruise control codes.
2. Disconnect the cable from the negative (-) battery terminal.

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### Repair Procedure (Continued)

#### 3. Remove Distance Control ECU.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- 2006 Model year [GS 300/430](#), *Engine/Hybrid System - Cruise Control - "Cruise Control: Distance Control ECU: Removal"*.
- 2007 model year [GS 350/430](#), *Engine/Hybrid System - Cruise Control - "Cruise Control: Distance Control ECU: Removal"*.
- 2006 Model year [IS 250/350](#), *Engine/Hybrid System - Cruise Control - "Cruise Control: Distance Control ECU: Removal"*.
- 2007 Model year [IS 250/350](#), *Engine/Hybrid System - Cruise Control - "Cruise Control: Distance Control ECU: Removal"*.

#### 4. Install the NEW Distance Control ECU.

- 2006 Model year [GS 300/430](#), *Engine/Hybrid System - Cruise Control - "Cruise Control: Distance Control ECU: Installation"*.
- 2007 model year [GS 350/430](#), *Engine/Hybrid System - Cruise Control - "Cruise Control: Distance Control ECU: Installation"*.
- 2006 Model year [IS 250/350](#), *Engine/Hybrid System - Cruise Control - "Cruise Control: Distance Control ECU: Installation"*.
- 2007 Model year [IS 250/350](#), *Engine/Hybrid System - Cruise Control - "Cruise Control: Distance Control ECU: Installation"*.

#### 5. Reconnect the cable from the negative (-) battery terminal.

#### 6. Confirm Option Flag is Turned "ON".

- A. Make sure light switch is in OFF position.
- B. Turn the ignition switch ON.
- C. Turn the cruise main switch ON
- D. With the brake pedal depressed, set the cruise control main switch to RES/ACC 3 times within 3 seconds. Check that the VSC buzzer sounds at this time.
- E. Turn the ignition switch OFF.
- F. Turn the ignition switch ON.
- G. Connect TIS Techstream to the DLC3.
- H. Select Radar Cruise.

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### Repair Procedure (Continued)

- I. Go the Data List and confirm that the "L/C Option Flag" says "YES". If "NO" is displayed, complete procedure again.
7. Adjust Radar Cruise (Millimeter Wave) Sensor.

#### Tips for aiming radar cruise:

- Perform aiming procedure in an open parking lot
  - If possible, use a parking lot with straight paint stripes
  - Park the car with the front to rear center line of the car on one of the stripes
  - Position the reflector 16.4 feet in front of the sensor.
- 2006 Model Year [GS 300/430](#), Engine/Hybrid System, Cruise Control, "Dynamic Radar Cruise Control System: Adjustment".
  - 2007 Model Year [GS 350/430](#), Engine/Hybrid System, Cruise Control, "Dynamic Radar Cruise Control System: Adjustment".
  - 2006 Model Year [IS 250/350](#), Engine/Hybrid System, Cruise Control, "Millimeter Wave Radar Sensor: Adjustment".
  - 2007 Model Year [IS 250/350](#), Engine/Hybrid System, Cruise Control, "Millimeter Wave Radar Sensor: Adjustment".
8. After repair, confirm proper operation of the cruise control functions.
  9. Initialize power systems (windows, moonroof, etc.) Refer to appropriate service bulletin.