

Check Air Suspension Message Displayed With C1752 - Replace the Compressor/Motor Assembly

Service Category Suspension

Section Suspension Control System

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2013 - 2017	LS460	

Introduction

Some 2013 – 2017 model year LS460 vehicles may exhibit a Check Air Suspension message in the instrument cluster with Diagnostic Trouble Code (DTC) C1752 (Height Control Compressor Motor Circuit Function). This condition may be caused by corrosion in the height compressor due to water intrusion through the air inlet tubes. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL1913	R & R Height Control Compressor	1.8	48914-50031	8B	17

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic 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 occurrence of the specified condition described in this bulletin.

Parts Information

PART NUMBER	PART NAME	QTY
48914-50031	Compressor, Height Control, No. 1	1
48925-50080	Filter, Height Control	2
48962-50010	Cushion, Height Control Tube Cover	1

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVi*	ADE	TSADVUNIT	1
Techstream 2.0		TS2UNIT	
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 14.10.028 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Check for stored DTCs.

Is DTC C1752 (Height Control Compressor Motor Circuit Malfunction) present?

 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Replace the height control compressor.
 - A. Remove the height control compressor.

Refer to TIS, applicable model and model year Repair Manual:

 - [2013](#) / [2014](#) / [2015](#) / [2016](#) / [2017](#) LS460:
Engine/Hybrid System – Engine Control – “Suspension Control: Height Control Compressor: Removal”
 - B. Install the NEW height control compressor.

Refer to TIS, applicable model and model year Repair Manual:

 - [2013](#) / [2014](#) / [2015](#) / [2016](#) / [2017](#) LS460:
Engine/Hybrid System – Engine Control – “Suspension Control: Height Control Compressor: Installation”

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Repair Procedure (continued)

3. Attach the height control tube cover cushion on the two NEW height control filter cases and install it to the reinforcement.

NOTE

To reduce water intrusion into the filter reinforcement, install the NEW height control filter with the height control tube cover cushion attached to both sides. The right-hand filter will be reconnected to the height control system, and the left-hand filter will be used to close the system from water intrusion from bumper reinforcement.

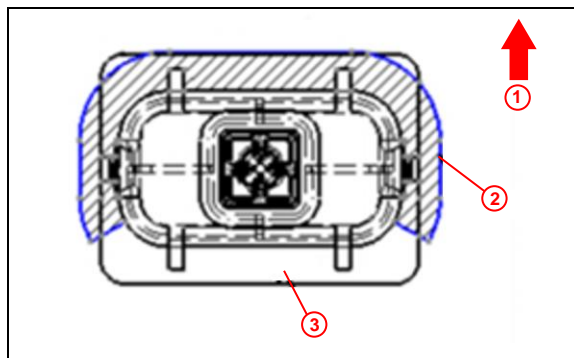
- A. Cut two 8 mm x 8 mm x 120 mm pieces of the height control tube cover cushion.
- B. Remove the paper backing, allowing the adhesive surface to be exposed.
- C. Attach the height control tube cover cushion.

Compress the sealer while applying the adhesive side of the sealer between the reinforcement and the filter base. (See Figure 1.)

NOTE

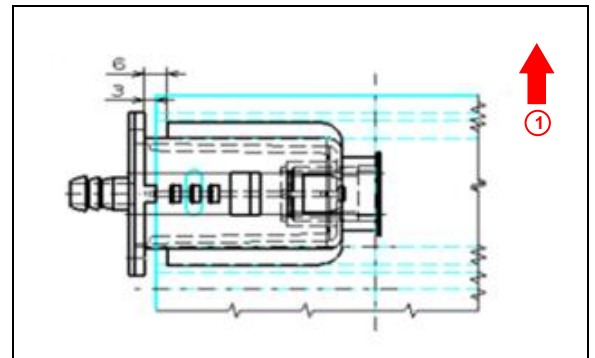
- Make sure the cushion is attached to the filter in the space behind the front of the filter reinforcement. (See Figure 2.)
- Secure clearance for drainage. The foam seal will be installed to the sides and top of the filter.

Figure 1. Front View



1	Top
2	Cushion
3	Cushion Application Area(Clearance 3 mm)

Figure 2. Side View



1	Top
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- D. Repeat for the second filter.

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Repair Procedure (continued)

4. Install both filters to each side of the reinforcement.

Figure 3.

