

Blind Spot Monitor DTC C1AB2 or C1AB3

Service Category Audio/Visual/Telematics

Section Park Assist/Monitoring

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2015 - 2016	Avalon, Avalon HV, Camry, Camry HV, Sienna, Tundra	

REVISION NOTICE

July 7, 2016 Rev1:

- **Figure 1 in the Repair Procedure section has been updated.**
- **Any previous printed versions of this bulletin should be discarded.**

Introduction

Some 2015 – 2016 model year Avalon, Camry, Sienna, and Tundra vehicles equipped with Blind Spot Monitor may exhibit a Blind Spot Monitor Warning message with Diagnostic Trouble Code (DTC) C1AB2 Short to Ground in Outer Mirror Indicator (Master) or C1AB3 Short to Ground in Outer Mirror Indicator (Slave) stored. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

- All 2015 model year vehicles.
- 2016 vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Camry	TMMK	All	4T1BF1FK#GU [REDACTED]
Camry HV			4T1BD1FK#GU [REDACTED]
Avalon			4T1BK1EB#GU [REDACTED]
Avalon HV			4T1BD1EB#GU [REDACTED]
Sienna	TMMI	2WD	5TD#K3DC#GS [REDACTED]
		4WD	5TD#K3DC#GS [REDACTED]
Tundra	TMMTX	All	5TF##5F1#GX [REDACTED]

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL1606	Replace Blind Spot Monitor Sensor (One Side)	2.5	88162-07011 88162-06040	8B	74
EL1606A	Other side	0.5	88162-08020 88162-0C030		

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic 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.

Parts Information

MODEL	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
Avalon/Avalon HV	88162-07011	88162-07012	Sensor, Blind Spot Monitor	1
Camry/Camry HV	88162-06040	88162-06041		
Sienna	88162-08020	88162-08021		
Tundra	88162-0C030	88162-0C031		

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Laser Radar Adjusting Reflector*	09870-60000	1
Reflector C*	09870-60040	1

* Essential SST.

NOTE

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

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Required Tools & Equipment

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

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 11.10.034 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

- Using Techstream, check for stored DTCs.
Is DTC C1AB2 or C1AB3 present?
 - **YES** — Go to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

NOTE

If the Blind Spot Monitor Diagnostic Trouble Codes C1AC1 Master Module Horizontal Axis Misalignment or C1AC2 Slave Module Horizontal Axis Misalignment are present they **MUST** be corrected before proceeding with this Service Bulletin.

- Replace the Blind Spot Monitor Sensor indicated by the DTC. (See Figure 1.)
 - Remove the Blind Spot Monitor Sensor.
Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:
 - [2015 - 2016](#) Avalon:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Removal”
 - [2015 - 2016](#) Avalon HV:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Removal”

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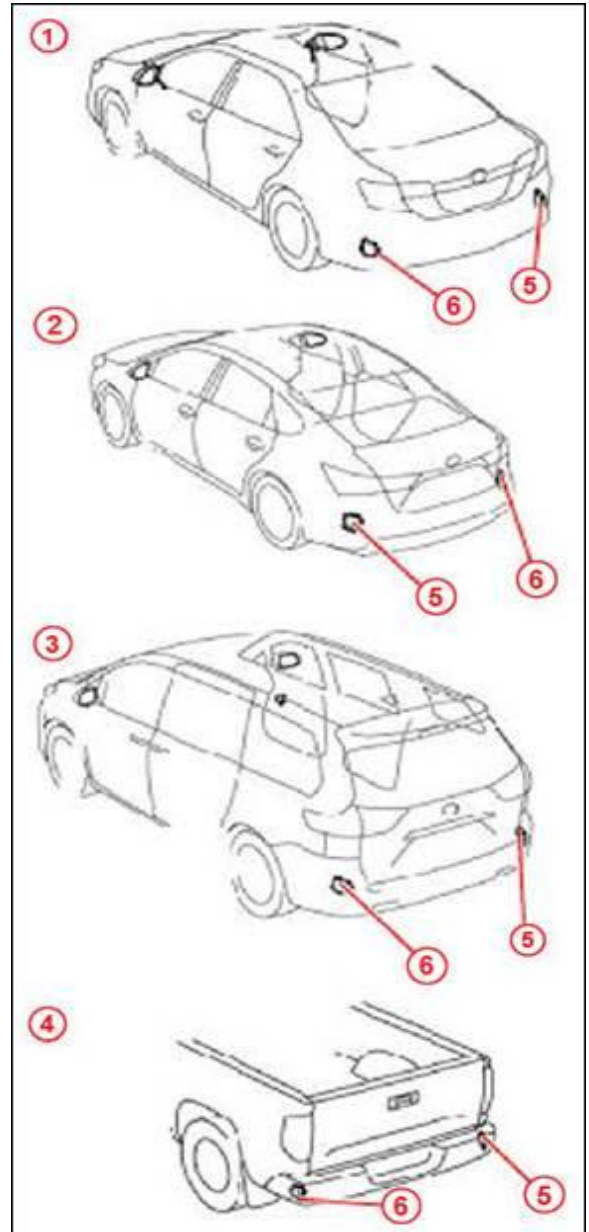
Repair Procedure (Continued)

- [2015 / 2016](#) Camry:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Removal”
- [2015 / 2016](#) Camry HV:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Removal”
- [2015 / 2016](#) Sienna:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Removal”
- [2015 / 2016](#) Tundra:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Removal”

B. Install the NEW Blind Spot Monitor Sensor.
Refer to TIS, applicable model and model year Repair Manual:

- [2015 - 2016](#) Avalon:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Installation”
- [2015 - 2016](#) Avalon HV:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Installation”

Figure 1. Sensor Location



1	Camry
2	Avalon
3	Sienna
4	Tundra
5	Blind Spot Monitor Sensor Master
6	Blind Spot Monitor Sensor Slave

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Repair Procedure (Continued)

- [2015 / 2016](#) Camry:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Installation”
- [2015 / 2016](#) Camry HV:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Installation”
- [2015 / 2016](#) Sienna:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Installation”
- [2015 / 2016](#) Tundra:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor: Installation”

3. Perform Blind Spot Monitor Beam Axis Inspection.

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

- [2015 - 2016](#) Avalon:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 - 2016](#) Avalon HV:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 / 2016](#) Camry:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 / 2016](#) Camry HV:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 / 2016](#) Sienna:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 / 2016](#) Tundra:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”

NOTE

Blind Spot Monitor Beam Axis Inspection may have been included as part of sensor installation and only needs to be performed once.

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Repair Procedure (Continued)

4. Perform Blind Spot Monitor Beam Axis Confirmation.

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

- [2015 - 2016](#) Avalon:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 - 2016](#) Avalon HV:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 / 2016](#) Camry:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 / 2016](#) Camry HV:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 / 2016](#) Sienna:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”
- [2015 / 2016](#) Tundra:
Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor System: Operation Check”

NOTE

Blind Spot Monitor Beam Axis Confirmation may have been included as part of sensor installation and only needs to be performed once.

5. Clear DTCs using Techstream.
6. Verify proper operation of the Blind Spot Monitor System