Blind Spot Monitor DTC C1AB2 or C1AB3

Service Category Audio/Visual/Telematics
Section Park Assist/Monitoring
Market USA

Applicability

<table>
<thead>
<tr>
<th>YEAR(S)</th>
<th>MODEL(S)</th>
<th>ADDITIONAL INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015 - 2016</td>
<td>Avalon, Avalon HV, Camry, Camry HV, Sienna, Tundra</td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PLANT</th>
<th>DRIVETRAIN</th>
<th>PRODUCTION CHANGE EFFECTIVE VIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camry</td>
<td>TMMK</td>
<td>All</td>
<td>4T1BF1FK#GU</td>
</tr>
<tr>
<td>Camry HV</td>
<td>TMMK</td>
<td>All</td>
<td>4T1BD1FK#GU</td>
</tr>
<tr>
<td>Avalon</td>
<td>TMMI</td>
<td>2WD</td>
<td>5TD#K3DC#GS</td>
</tr>
<tr>
<td>Avalon HV</td>
<td>TMMI</td>
<td>4WD</td>
<td>5TD#K3DC#GS</td>
</tr>
<tr>
<td>Sienna</td>
<td>TMMTX</td>
<td>All</td>
<td>5TF##5F1#GX</td>
</tr>
<tr>
<td>Tundra</td>
<td>TMMI</td>
<td>All</td>
<td>5TF##5F1#GX</td>
</tr>
</tbody>
</table>
**Blind Spot Monitor DTC C1AB2 or C1AB3**

**Warranty Information**

<table>
<thead>
<tr>
<th>OP CODE</th>
<th>DESCRIPTION</th>
<th>TIME</th>
<th>OPF</th>
<th>T1</th>
<th>T2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL1606</td>
<td>Replace Blind Spot Monitor Sensor (One Side)</td>
<td>2.5</td>
<td>88162-07011</td>
<td>8B</td>
<td>74</td>
</tr>
<tr>
<td>EL1606A</td>
<td>Other side</td>
<td>0.5</td>
<td>88162-07012</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>PART NAME</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avalon/Avalon HV</td>
<td>88162-07011</td>
<td>Sensor, Blind Spot Monitor</td>
<td>1</td>
</tr>
<tr>
<td>Camry/Camry HV</td>
<td>88162-06040</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sienna</td>
<td>88162-08020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tundra</td>
<td>88162-0C030</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Required Tools & Equipment**

<table>
<thead>
<tr>
<th>SPECIAL SERVICE TOOLS (SST)</th>
<th>PART NUMBER</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Radar Adjusting Reflector*</td>
<td>09870-60000</td>
<td>1</td>
</tr>
<tr>
<td>Reflector C*</td>
<td>09870-60040</td>
<td>1</td>
</tr>
</tbody>
</table>

* Essential SST.

**NOTE**

Additional SSTs may be ordered by calling 1-800-933-8335.
Blind Spot Monitor DTC C1AB2 or C1AB3

Required Tools & Equipment

<table>
<thead>
<tr>
<th>REQUIRED EQUIPMENT</th>
<th>SUPPLIER</th>
<th>PART NUMBER</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Techstream 2.0*</td>
<td>ADE</td>
<td>TS2UNIT</td>
<td>1</td>
</tr>
<tr>
<td>Techstream Lite</td>
<td>ADE</td>
<td>TSLITEPDLR01</td>
<td>1</td>
</tr>
<tr>
<td>Techstream Lite (Green Cable)</td>
<td>ADE</td>
<td>TSLP2DLR01</td>
<td>1</td>
</tr>
</tbody>
</table>

* 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

1. 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.

2. Replace the Blind Spot Monitor Sensor indicated by the DTC. (See Figure 1.)
   A. Remove the Blind Spot Monitor Sensor.
      Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:
      • **2015 - 2016** Avalon:
      • **2015 - 2016** Avalon HV:
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”

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Repair Procedure (Continued)

- **2015 / 2016** Camry:

- **2015 / 2016** Camry HV:

- **2015 / 2016** Sienna:

- **2015 / 2016** Tundra:


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

   - **2015 - 2016** Avalon:

   - **2015 - 2016** Avalon HV:

   - **2015 / 2016** Camry:

   - **2015 / 2016** Camry HV:

   - **2015 / 2016** Sienna:

   - **2015 / 2016** Tundra:

**NOTE**

Blind Spot Monitor Beam Axis Inspection may have been included as part of sensor installation and only needs to be performed once.
Blind Spot Monitor DTC C1AB2 or C1AB3

Repair Procedure (Continued)

   Refer to TIS, applicable model and model year Repair Manual:
   - **2015 - 2016** Avalon:
   - **2015 - 2016** Avalon HV:
   - **2015 / 2016** Camry:
   - **2015 / 2016** Camry HV:
   - **2015 / 2016** Sienna:
   - **2015 / 2016** Tundra:

**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.