

# Blind Spot Monitor DTC U0232, U0233, C1AC1, C1AC2, C1AB6, or C1AB7

**Service Category** Audio/Visual/Telematics

**Section** Park Assist/Monitoring

**Market** USA

Toyota Supports  
ASE Certification 

---

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2018	Tacoma	

## Introduction

Some 2016 – 2018 model year Tacoma vehicles may exhibit a Blind Spot Monitor System Warning message with any of the following Diagnostic Trouble Codes (DTCs) present.

- U0232 – Lost Communication with Blind Spot Monitor Slave Module
- U0233 – Lost Communication with Blind Spot Monitor Master Module
- C1AC1 – Master Module Horizontal Axis Misalignment
- C1AC2 – Slave Module Horizontal Axis Misalignment
- C1AB6 – Blind Spot Monitor Master Module
- C1AB7 – Blind Spot Monitor Slave Module

Follow the Repair Procedure in this bulletin to address this condition.

## Blind Spot Monitor DTC U0232, U0233, C1AC1, C1AC2, C1AB6, or C1AB7

### Production Change Information

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Tacoma	TMMTX	2WD	5TFRX5GN#JX111252
			5TFRZ5CN#JX059865
			5TFAZ5CN#JX059864
			5TFBZ5DN#JX003961
			5TFEZ5CN#JX059933
			5TFAX5GN#JX111258
		4WD	5TFSX5EN#JX059373
			5TFCZ5AN#JX135529
	TMMBC	2WD	5TFSZ5AN#JX135530
			5TFDZ5BN#JX032587
			3TMAZ5CN#JM058771
		4WD	3TMBZ5DN#JM013475
			3TMEZ5CN#JM058764
			3TMCZ5AN#JM137643
			3TMGZ5AN#JM137733
			3TMDZ5BN#JM040666

**NOTE**

The plant is determined by the 11<sup>th</sup> letter of the production change effective VIN. (Ex. X=TMMTX M=TMMBC)

### Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL1817	Replace Blind Spot Monitor (Both Sides)	3.0	88162-04010 88162-04011 88162-04012	8B	74

**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.

## Blind Spot Monitor DTC U0232, U0233, C1AC1, C1AC2, C1AB6, or C1AB7

### Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
88162-04010	88162-04013	Sensor, Blind Spot Monitor	2
88162-04011			
88162-04012			

### Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Laser Radar Adjusting Reflector*	<a href="#">09870-60000</a>	1
Reflector C*	<a href="#">09870-60040-02</a>	1

\*Essential SST.

**NOTE**

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

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 14.10.028 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

## Blind Spot Monitor DTC U0232, U0233, C1AC1, C1AC2, C1AB6, or C1AB7

---

### Repair Procedure

1. Confirm the condition exists.

Using Techstream, check for the following stored DTCs.

- U0232 – Lost Communication with Blind Spot Monitor Slave Module
- U0233 – Lost Communication with Blind Spot Monitor Master Module
- C1AC1 – Master Module Horizontal Axis Misalignment
- C1AC2 – Slave Module Horizontal Axis Misalignment
- C1AB6 – Blind Spot Monitor Master Module
- C1AB7 – Blind Spot Monitor Slave Module

Are ANY of the DTCs listed above present?

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

2. Remove the rear bumper assembly.

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

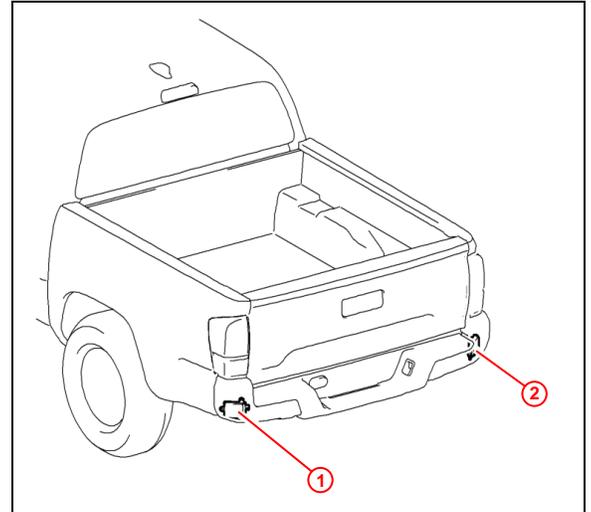
- 2016 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Removal”
- 2017 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Removal”
- 2018 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Removal”

## Blind Spot Monitor DTC U0232, U0233, C1AC1, C1AC2, C1AB6, or C1AB7

### Repair Procedure (continued)

3. Replace both blind spot monitor sensors.
  - A. Remove the blind spot monitor sensor.  
Refer to TIS, applicable model and model year Repair Manual:
    - [2016](#) / [2017](#) / [2018](#) Tacoma:  
*Audio/Visual/Telematics – Park Assist/Monitoring – “Park Assist/Monitoring: Blind Spot Monitor Sensor Removal”*
  - B. Install the blind spot monitor sensor with the three nuts.  
**Torque: 9.0 N\*m (92 kgf\*cm, 80 in\*lbf)**

Figure 1.



<b>1</b>	<b>Blind Spot Monitor Sensor LH(Master)</b>
<b>2</b>	<b>Blind Spot Monitor Sensor RH(Slave)</b>

4. Temporarily install the bumper onto the vehicle.

**HINT**

The bumper MUST be installed without extension housings covering the blind spot monitor sensor. This will allow completion of the blind spot monitor installation condition inspection section of the operation check.

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

- 2016 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim – “Exterior: Rear Bumper (w/ Towing Package) / (w/o Towing Package): Installation”*
- 2017 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim – “Exterior: Rear Bumper (w/ Towing Package) / (w/o Towing Package): Installation”*
- 2018 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim – “Exterior: Rear Bumper (w/ Towing Package) / (w/o Towing Package): Installation”*

## Blind Spot Monitor DTC U0232, U0233, C1AC1, C1AC2, C1AB6, or C1AB7

---

### Repair Procedure (continued)

5. Perform the blind spot monitor system operation check.  
Refer to TIS, applicable model and model year Repair Manual:
  - [2016](#) / [2017](#) / [2018](#) Tacoma:  
*Audio/Visual/Telematics – Park Assist/Monitoring* – “Park Assist / Monitoring: Blind Spot Monitor System: Operation Check”
  
6. Remove the rear bumper assembly.  
Refer to TIS, applicable model and model year Repair Manual:
  - 2016 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Removal”
  - 2017 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Removal”
  - 2018 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Removal”
  
7. Reassemble the rear bumper assembly.  
Refer to TIS, applicable model and model year Repair Manual:
  - 2016 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Reassembly”
  - 2017 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Reassembly”
  - 2018 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper ([w/ Towing Package](#)) / ([w/o Towing Package](#)): Reassembly”

## Blind Spot Monitor DTC U0232, U0233, C1AC1, C1AC2, C1AB6, or C1AB7

---

### Repair Procedure (continued)

8. Install the bumper onto the vehicle.

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

- 2016 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper [\(w/ Towing Package\)](#) / [\(w/o Towing Package\)](#): Installation”
- 2017 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper [\(w/ Towing Package\)](#) / [\(w/o Towing Package\)](#): Installation”
- 2018 Tacoma:  
*Vehicle Exterior – Exterior Panels/Trim* – “Exterior: Rear Bumper [\(w/ Towing Package\)](#) / [\(w/o Towing Package\)](#): Installation”

9. Clear ANY DTCs with Techstream.

10. Confirm proper operation of the blind spot monitor system.