

Subject Blind Spot Monitor Axis Beam Adjustment Confirmation		Market USA
Service Category Audio/Visual/Telematics	Section Park Assist/Monitoring	
Applicability Models With Blind Spot Monitor System		

APPLICABLE VEHICLES

2018-2019	Camry	2019	Avalon
2019	Avalon HV	2018-2019	Sequoia
2018-2019	Camry HV		

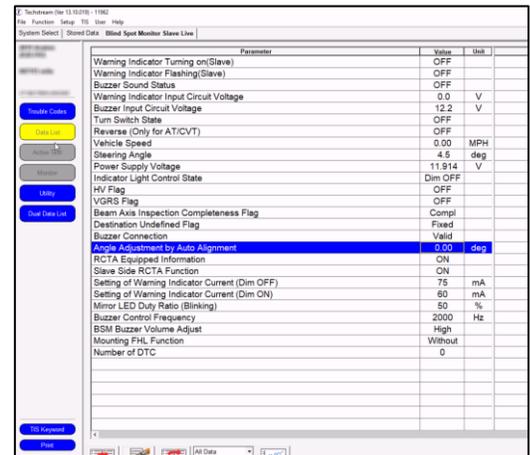
CONDITION

In some situations, the Blind Spot Monitor (BSM) Beam Axis may not update during the *Blind Spot Monitor Beam Axis Confirmation*. The procedure recommended below can be used to confirm the beam axis has been updated when performing the *Blind Spot Monitor Beam Axis Confirmation*.

RECOMMENDATIONS

When the BSM Master/Slave Beam Axis Display and BSM Master/Slave Beam Axis Adjustment utilities are successful the “Angle Adjustment by Auto Alignment” data list value will update and change to a value close to the value displayed in the BSM Beam Axis Display utility. The steps below can be used to confirm the angle value has been updated in the BSM sensor.

- Using Techstream, check the “Angle Adjustment by Auto Alignment” data list value in Blind Spot Monitor Master Live - Data List or Blind Spot Monitor Slave Live - Data List.
 - Take note of the angle value (Value A)



Subject

Blind Spot Monitor Axis Beam Adjustment Confirmation

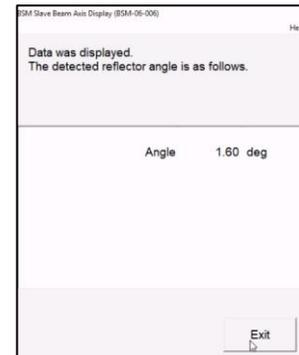
Applicability

Market

USA

RECOMMENDATIONS

2. Perform PARK ASSIST / MONITORING: BLIND SPOT MONITOR SYSTEM: OPERATION CHECK **Blind Spot Monitor Beam Axis Confirmation** per repair manual instructions on TIS.
 - Take note of the angle value shown during the BSM Master/Slave Beam Axis Display Utility. (Value B)



3. Using Techstream recheck the “Angle Adjustment by Auto Alignment” data list value in Blind Spot Monitor Master Live or Blind Spot Monitor Slave Live data list
 - Take note of the angle value (Value C)

Parameter	Value	Unit
Warning Indicator Turning on(Slave)	OFF	
Warning Indicator Flashing(Slave)	OFF	
Buzzer Sound Status	OFF	
Warning Indicator Input Circuit Voltage	0.0	V
Buzzer Input Circuit Voltage	12.2	V
Turn Switch State	OFF	
Reverse (Only for AT/CVT)	OFF	
Vehicle Speed	0.00	MPH
Steering Angle	4.5	deg
Power Supply Voltage	11.914	V
Indicator Light Control State	Dim OFF	
HV Flag	OFF	
VGRS Flag	OFF	
Beam Axis Inspection Completeness Flag	Compl	
Destination Undefined Flag	Fixed	
Buzzer Connection	Valid	
Angle Adjustment by Auto Alignment	1.50	deg
RCTA Equipped Information	ON	
Slave Side RCTA Function	ON	
Setting of Warning Indicator Current (Dim OFF)	75	mA
Setting of Warning Indicator Current (Dim ON)	80	mA
Minor LED Duty Ratio (Blinking)	50	%
Buzzer Control Frequency	2000	Hz
BSM Buzzer Volume Adjust	High	
Mounting PHL Function	Without	
Number of DTC	0	

- If the Angle Adjustment by Auto Alignment (Value C) has changed to be close to the Value B, then the Beam Axis has updated successfully.
- If the Angle Adjustment by Auto Alignment (Value C) has **NOT** changed and is still the same as Value A, the Beam Axis has **NOT** updated successfully. Confirm repair manual procedure and reflector placement are correct.

HINT:

It is normal for the Angle Adjustment by Auto Alignment data list value to change after the vehicle is driven for a period of time. If the BSM system detects a problem with the beam axis a DTC will be set.

LINK REFERENCES

This Tech Tip does not contain any link references