

matrix WAND

3D BLUEPRINTING & REPAIR



Toyota Advanced BSM System Sensor and Bracket Location Diagnosis

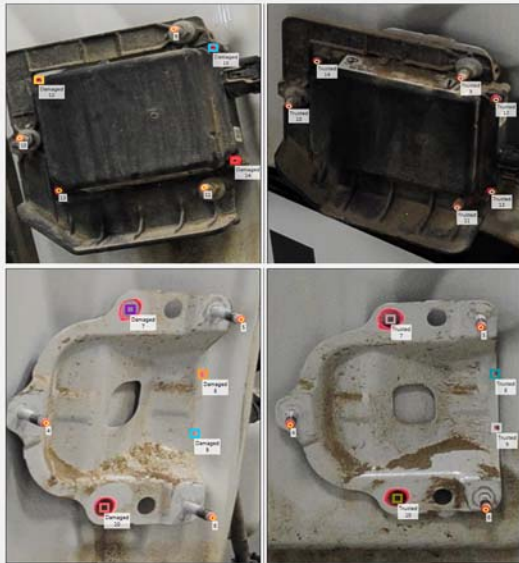
Are the sensor and bracket location damaged?



The value of real Matrix Wand™ data

This 2013 Toyota Avalon was hit in the left rear corner by the sensor location. The bumper cover was repairable, but there was a concern that the sensor bracket may have been misaligned from the impact.

Using the Matrix Wand™, a 3-D analysis was performed by using the opposite side sensor and sensor bracket as a comparative reference. The Matrix Wand™ 3-D analysis ability revealed that the sensor and sensor bracket on the impact side were still properly aligned.



Damaged Points

Id	Control	Point Name	Delta Length (ΔX)	Delta Width (ΔY-Depth)	Delta Height (ΔZ)
12			0	2	0
15			0	1	1
14			1	2	1

Damaged Points

Id	Control	Point Name	Delta Length (ΔX)	Delta Width (ΔY-Depth)	Delta Height (ΔZ)
8			1	1	0
9			1	1	0
7			0	1	1
10			0	3	2

In just minutes diagnose, fit & confirm your repair with no targets & no guessing. Using a simple, straightforward process, the light and portable Matrix Wand™ provides 3-D conclusive pre and post diagnostics of the damage and repairs that include suspension and side body. The Matrix Wand™ is also used to verify after market/used auto-body parts and suspension components up front to ensure a smooth installation. Before and after photographic documentation of the actual vehicle provides peace of mind for the repairer, vehicle owner, insurer and automaker. You will be fully confident in the accuracy of your repairs.

MATRIX WAND™ = PROBLEM SOLVED!

For more information contact Matrix Electronic Measuring, Inc. at +1.785.823.8800 or visit us at:

www.thematrixwand.com