

DTC U3000:97 [BLIND SPOT MONITORING (BSM)]

id0902i3393600

System malfunction location	Radar performance malfunction
Detection condition	<ul style="list-style-type: none"> BSM control module internal radar sensor sensitivity is decreased. BSM control module internal radar sensor axis is deviated.
Fail-safe	—
Possible cause	<ul style="list-style-type: none"> Rear bumper malfunction (Dirt or foreign material (reflective object) is adhered.) BSM control module malfunction (Dirt or foreign material (reflective object) is adhered.) Concavity and convexity on the surface of the repaired rear bumper BSM control module malfunction
System wiring diagram	—

Diagnostic Procedure

Step	Inspection	Action
1	INSPECT REAR BUMPER SURFACE <ul style="list-style-type: none"> Visually inspect the rear bumper surface for the following: <ul style="list-style-type: none"> Dirt Adhered foreign material (reflective object) Is the rear bumper normal? 	Yes Go to the next step.
		No Remove dirt or foreign material (reflective object), then go to Step 4.
2	INSPECT AREA AROUND BSM CONTROL MODULE <ul style="list-style-type: none"> Visually inspect the area around the BSM control module for the following: <ul style="list-style-type: none"> Dirt Adhered foreign material (reflective object) Is the area around the BSM control module normal? 	Yes Go to the next step.
		No Remove dirt or foreign material (reflective object), then go to Step 4.
3	VERIFY REAR BUMPER REPAIR HISTORY <ul style="list-style-type: none"> Verify if the rear bumper had been repaired or repainted before. Is the paint Mazda genuine? 	Yes Go to the next step.
		No Replace the rear bumper, then go to the next step. (See REAR BUMPER REMOVAL/INSTALLATION.)
4	VERIFY THAT REPAIRS HAVE BEEN COMPLETED <ul style="list-style-type: none"> Clear BSM control module DTCs using the M-MDS. (See CLEARING DTC [BLIND SPOT MONITORING (BSM)].) Perform the DTC inspection for the BSM control module using the M-MDS. (See DTC INSPECTION [BLIND SPOT MONITORING (BSM)].) Is DTC U3000:97 displayed? 	Yes Repeat the inspection from Step 1. • If the malfunction recurs, replace the BSM control module, then go to the next step. (See BLIND SPOT MONITORING (BSM) CONTROL MODULE REMOVAL/INSTALLATION.)
		No Go to the next step.
5	VERIFY IF OTHER DTCs DISPLAYED <ul style="list-style-type: none"> Are any other DTCs displayed? 	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [BLIND SPOT MONITORING (BSM)].)
		No DTC troubleshooting completed.