

DTC U3000:97 [REAR VEHICLE MONITORING SYSTEM]

id0902z2885200

System malfunction location	Radar sensor sensitivity temporarily decreases depending on various external and environmental factors (rear vehicle monitoring control module (RH))
Detection condition	• Radar sensor sensitivity in rear vehicle monitoring control module (RH) temporarily decreases
Fail-safe	• Inhibits the rear vehicle monitoring system.
Possible cause	<ul style="list-style-type: none"> • Rear bumper soiling or foreign material (reflective object) is adhered. • Dirt or foreign material (reflective object) on rear vehicle monitoring control module (RH) • Concavity and convexity on the surface of the repaired rear bumper • Rear vehicle monitoring control module (RH) 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 REAR VEHICLE MONITORING CONTROL MODULE (RH) <ul style="list-style-type: none"> • Visually inspect the area around the rear vehicle monitoring control module (RH) for the following. <ul style="list-style-type: none"> — Dirt — Adhered foreign material (reflective object) • Is the area around the rear vehicle monitoring control module (RH) 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 there a problem with the repair? (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	PERFORM DTC INSPECTION AND VERIFY IF MALFUNCTIONING PART IS REAR VEHICLE MONITORING CONTROL MODULE (RH) <ul style="list-style-type: none"> • Clear the DTC for the rear vehicle monitoring control module using the M-MDS. (See CLEARING DTC [REAR VEHICLE MONITORING SYSTEM].) • Drive the vehicle at 40 km/h {25 mph} or more. • Perform the DTC inspection for the rear vehicle monitoring control module using the M-MDS. (See DTC INSPECTION [REAR VEHICLE MONITORING SYSTEM].) • Is DTC U3000:97 displayed? 	Yes Replace the rear vehicle monitoring control module (RH), then go to the next step. (See REAR VEHICLE MONITORING 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 [REAR VEHICLE MONITORING SYSTEM].)
		No DTC troubleshooting completed.