

2012 - Mazda6 - Brakes

DTC U0422:00/ U0422:28/ U0422:64/ U0422:86 [DYNAMIC STABILITY CONTROL (DSC)]

U0422:00	Steering angle sensor
U0422:28	
U0422:64	
U0422:86	
DETECTION CONDITION	U0422:00/ U0422:86 • The steering angle sensor detects signal modulation or steering angle that exceeds specification. U0422:28 • The neutral position of the steering angle cannot be estimated from the signals from the ABS wheel-speed sensor and the SAS control module. U0422:64 • The signal from the steering angle sensor remains unchanged when the steering angle is turned to the right and left.
POSSIBLE CAUSE	• BCM malfunction ▪ Connector or terminal malfunction ▪ Improper installation or positioning of the steering angle sensor ▪ Signal error from the ABS wheel-speed sensor ▪ Signal error from the SAS control module ▪ Signal error from sensors due to rough road driving ▪ Steering angle sensor malfunction • DSC HU/CM malfunction

Diagnostic procedure

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STEP	INSPECTION	ACTION
1	PERFORM BCM DTC INSPECTION - Perform the BCM DTC inspection. (See DTC INSPECTION [BCM].) - Are any DTCs present?	Yes Go to the applicable DTC inspection. (See DTC TABLE [BCM] .)
		No Go to the next step.
2	VERIFY DTC TROUBLESHOOTING COMPLETED - Clear the DTC from the DSC HU/CM memory using the M-MDS. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) - Drive the vehicle at speed of 10 km/ h { 6.2 mph } or more. - Gradually slow down and stop the vehicle. - Perform the DSC DTC inspection. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) - Is the same DTC present?	Yes Replace the DSC HU/CM, then go to the next step. (See DSC HU/ CM REMOVAL/ INSTALLATION.)
		No Go to the next step.
3	VERIFY AFTER REPAIR PROCEDURE Are any DTCs present?	Yes Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)] .)
		No DTC troubleshooting completed.

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