

2012 - Mazda6 - Brakes

DTC U0423:29/ U0423:7B [DYNAMIC STABILITY CONTROL (DSC)]

C0423:29	Brake fluid level sensor
C0423:7B	
DETECTION CONDITION	C0423:29 - Receive the invalid signal of brake fluid level sensor from the instrument cluster for 0.5 s or more when the voltage of ECU terminal is normal and the vehicle speed is 3 km/ h { 2 mph} or more. C0423:7B - Receive the signal which brake fluid level is low from the instrument cluster for 5 s or more when the voltage of ECU terminal is normal.
POSSIBLE CAUSE	- BCM malfunction - Amount of brake fluid is low - Brake fluid level sensor malfunction - Instrument cluster malfunction - DSC HU/CM malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	PERFORM BCM DTC INSPECTION - Drive the vehicle at speed of 3 km/ h { 2 mph} or more. - Perform the BCM DTC inspection using the M-MDS. (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	INSPECT BRAKE FLUID LEVEL Inspect the brake fluid level.	Yes Go to the next step.

	Is the amount of brake fluid normal?	No	Add brake fluid to specified level, then go to Step 5.
3	INSPECT BRAKE FLUID LEVEL SENSOR - Inspect the brake fluid level sensor. (See BRAKE FLUID LEVEL SENSOR INSPECTION.) - Is there any malfunction?	Yes	Repair or replace the brake fluid level sensor, then go to Step 5.
		No	Go to the next step.
4	PERFORM INSTRUMENT CLUSTER DTC INSPECTION - Drive the vehicle at speed of 3 km/ h { 2 mph } or more. - Perform the instrument cluster DTC inspection using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) - Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [INSTRUMENT CLUSTER] .)
		No	Go to the next step.
5	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 3 km/ h { 2 mph } or more. - Perform the DSC DTC inspection. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) - Is the same DTC present?	Yes	Repeat the inspection from Step 1. If the malfunction recurs, replace the DSC HU/CM, then go to the next step. (See DSC HU/ CM REMOVAL/ INSTALLATION .)
		No	Go to the next step.
6	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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