

2012 - Mazda6 - Brakes

DTC C0001:01/ C0003:01/ C0010:01/ C0011:01/ C0014:01/ C0015:01/ C0018:01/ C0019:01/ C001C:01/ C001D:01 [DYNAMIC STABILITY CONTROL (DSC)]

C0001:01	Linear control solenoid valve system
C0003:01	
C0010:01	LF inlet solenoid valve system
C0011:01	LF outlet solenoid valve system
C0014:01	RF inlet solenoid valve system
C0015:01	RF outlet solenoid valve system
C0018:01	LR inlet solenoid valve system
C0019:01	LR outlet solenoid valve system
C001C:01	RR inlet solenoid valve system
C001D:01	RR outlet solenoid valve system
DETECTION CONDITION	C0001:01/ C0003:01 • Detect the open circuit in solenoid valve circuit while the each solenoid is off. • Detect the abnormal output current of the each solenoid. C0010:01/ C0011:01/ C0014:01/ C0015:01/ C0018:01/ C0019:01/ C001C:01/ C001D:01 • Detect the mismatch condition between solenoid output and solenoid monitor.
POSSIBLE CAUSE	• Solenoid valve operation malfunction • Connector or terminal malfunction • DSC HU/CM malfunction ▪ Short or open circuit in solenoid valve circuit

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY SOLENOID VALVE OPERATION • Connect the M-MDS to the DLC-2.	YesGo to the next step.

	- Switch the ignition to ON (engine off). - Access the active command mode for the solenoid valve using the M-MDS. (See ON-BOARD DIAGNOSIS [DYNAMIC STABILITY CONTROL (DSC)].) - Does the solenoid valve operate?	No	Replace the DSC HU/CM, then go to Step 3. (See DSC HU/ CM REMOVAL/ INSTALLATION .)
2	INSPECT DSC HU/ CM CONNECTOR CONDITION - Switch the ignition to off. - Disconnect the negative battery cable. - Disconnect the DSC HU/CM connector. - Inspect the connector and terminals (corrosion, damage, pin disconnection). - Is there any malfunction?	Yes	Repair or replace the connector or terminals, then go to the next step.
		No	Go to the next step.
3	VERIFY DTC TROUBLESHOOTING COMPLETED - Make sure to reconnect the disconnected connectors. - Reconnect the negative battery cable. - 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 6 km/ h { 4 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	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.
4	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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