

DSC SYSTEM INSPECTION

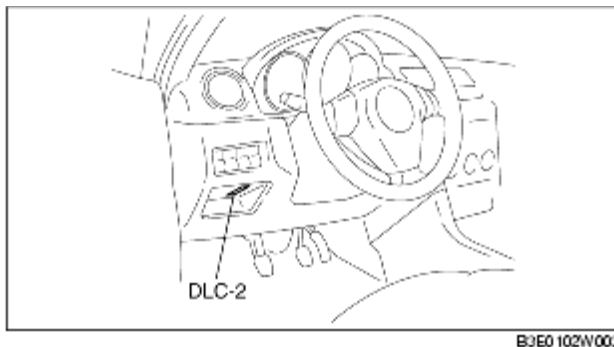
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Preparation

1. Verify that the battery is fully charged.
2. Turn the ignition switch to the ON position and verify that the ABS warning light goes out after **approx. 3.0 s**.
3. Turn the ignition switch off.
4. Jack up the vehicle and support it evenly on safety stands.
5. Shift to the N position.
6. Verify that all four wheels rotate.
7. Rotate the inspected wheels by hand and verify there is no brake drag.
 - If there is any brake drag, perform regular brake inspection.
 - If there is no brake drag, perform DSC HU/CM operation inspection.

ABS Control Inspection

1. Perform "Preparation".
2. Connect the WDS or equivalent to the DLC-2.



3. Set up an active command mode inspection according to the combination of commands below.

Brake pressure retention

Command name	Inspected wheels			
	LF	RF	LR	RR
LF_TC_PRV	OFF			
RF_TC_PRV				
LF_TC_SWV				
RF_TC_SWV				
LF_INLET	ON			

LF_OUTLET			OFF	
LR_INLET		OFF	ON	
LR_OUTLET				OFF
RF_INLET	OFF	ON		
RF_OUTLET			OFF	
RR_INLET		OFF		ON
RR_OUTLET				OFF
PMP_MOTOR				

Brake pressure reduction

Command name	Inspected wheels			
	LF	RF	LR	RR
LF_TC_PRV	OFF			
RF_TC_PRV				
LF_TC_SWV				
RF_TC_SWV				
LF_INLET	ON		OFF	OFF
LF_OUTLET				
LR_INLET		OFF	ON	
LR_OUTLET				
RF_INLET		OFF		
RF_OUTLET				
RR_INLET	OFF	OFF	ON	
RR_OUTLET				
PMP_MOTOR	ON			

Caution

- When operating the solenoid valve and pump motor using the active command mode, make sure to keep the operation time within 2 s to prevent damaging the DSC HU/CM.

Note

- When working with two people, one should press on the brake pedal, the other should attempt to rotate the wheel being inspected.

4. Send the command while depressing on the brake pedal and attempting to rotate the wheel being inspected.

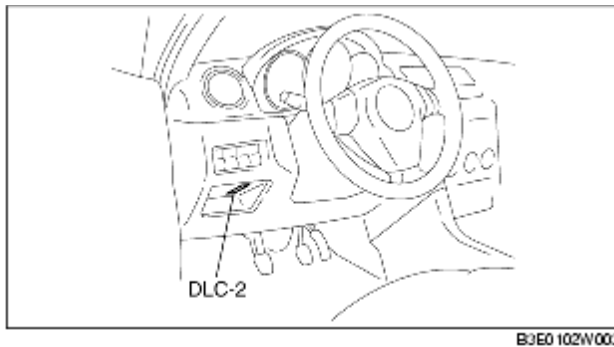
5. When brake pressure is maintained and a DSC HU/CM operation click sound is heard, confirm that the wheel does not rotate. When brake pressure is being reduced and a DSC HU/CM operation click sound is heard, confirm that the wheel rotates.

- Performing the inspection above determines the following:
 - The DSC HU/CM brake lines are normal.
 - The DSC HU/CM hydraulic system has no significant malfunction (including DSC HU/CM).
 - The DSC HU/CM internal electrical parts (solenoid, motor and other parts) are normal.
 - The DSC unit and DSC HU/CM output system wiring harnesses (solenoid valve, relay system) are normal.
- However, the following items cannot be verified.
 - Intermittent malfunction of the above items
 - Malfunction of DSC HU/CM input system wiring harnesses and parts

- Extremely small leakage in the DSC HU/CM internal hydraulic system

DSC Control Inspection

1. Perform "Preparation".
2. Connect the WDS or equivalent to the DLC-2.



3. Set up an active command mode inspection according to the combination of commands below.

Caution

- When operating the solenoid valve and pump motor using the active command mode, make sure to keep the operation time within 2 s to prevent damaging the DSC HU/CM.

Command name	Inspected wheels				
	Understeer control disabled		Oversteer control disabled		
	LF	RF	LR	RR	
LF_TC_PRV	ON	OFF		ON	
RF_TC_PRV	OFF	ON		OFF	
LF_TC_SWV	OFF				
RF_TC_SWV					
LF_INLET	OFF	OFF	OFF	ON	
LF_OUTLET				OFF	
LR_INLET		ON	ON		
LR_OUTLET		OFF			
RF_INLET		OFF	ON		OFF
RF_OUTLET					
RR_INLET			ON		
RR_OUTLET			OFF		
PMP_MOTOR	ON				

4. Send the command while rotating the wheel being inspected by hand in a forward direction.
5. Confirm that the wheel does not rotate easily while a DSC HU/CM operation click sound is heard.
 - Performing the inspection above determines the following:
 - The DSC HU/CM brake lines are normal.
 - The DSC HU/CM hydraulic system has no significant malfunction (including DSC HU/CM).
 - The DSC HU/CM internal electrical parts (solenoid, motor and other parts) are normal.
 - The DSC unit and DSC HU/CM output system wiring harnesses (solenoid valve, relay system) are normal.

- However, the following items cannot be verified.
 - Intermittent malfunction of the above items
 - Malfunction of DSC HU/CM input system wiring harnesses and parts
 - Extremely small leakage in the DSC HU/CM internal hydraulic system