

ON-BOARD DIAGNOSTIC SYSTEM EXTERNAL TESTER COMMUNICATION FUNCTION (ABS, DYNAMIC STABILITY CONTROL)

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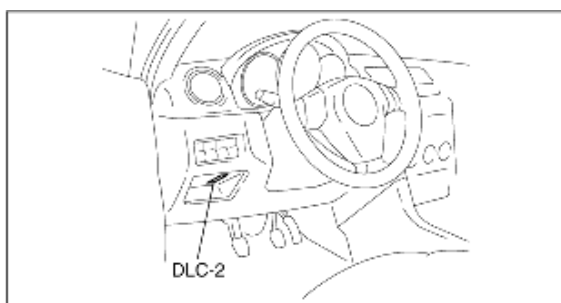
- The external tester communication function enables communication of diagnostic data (DTC read-outs, input/output signal read-outs, and operation of input/output parts) between the ABS HU/CM or the DSC HU/CM and an external tester.

Connections/Communication Contents

	External tester	
	WDS or equivalent	
	Connection	Communication method
On-board diagnostic (malfunction detection) function	Input/output: CAN_H, CAN_L terminals	Serial communication
PID/DATA monitor function	Input/output: CAN_H, CAN_L terminals	Serial communication
Active command modes function	Input/output: CAN_H, CAN_L terminals	Serial communication

Serial communication

- Serial communication (two-way communication) allows for multiple data to be sent and received instantly along the same line.
- By connecting the WDS or equivalent to the DLC-2, diagnostic data can be sent and received between the WDS or equivalent and the ABS HU/CM or DSC HU/CM using the CAN_H and CAN_L terminals (within the DLC-2).
- The ABS HU/CM or DSC HU/CM receives the command signals of the malfunction detection function, PID/data monitor function, and the active command modes function from the WDS or equivalent, and sends DTCs and data regarding the operating condition and status of each input/output part to the WDS or equivalent.



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Diagnostic function name	Signal received	Signal sent
Malfunction detection function	DTC verification signal	Diagnostic trouble code
PID/DATA monitor function	Command signal to read selected monitor item	Monitored data for requested monitor item
Active command modes function	Operation command signal for selected active command modes item	Output part drive signal