

# ON-BOARD DIAGNOSTIC SYSTEM EXTERNAL TESTER COMMUNICATION FUNCTION (ELECTRO HYDRAULIC POWER ASSIST STEERING)

B3E060201038T04

## Outline

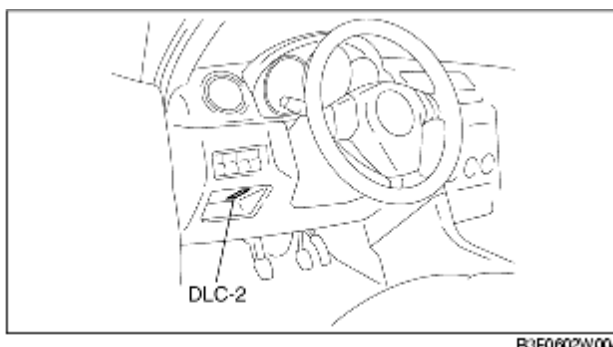
- The external tester communication function enables communication of diagnostic data (DTC read-outs, input/output signal read-outs) between the EHPAS control module and an external tester.

## Connections/Communication Contents

	External tester	
	WDS	
	Connection	Communication method
On-board diagnostic (malfunction detection) function	Input/output: CAN_H, CAN_L	Serial communication
PID/DATA monitor function	Input/output: CAN_H, CAN_L	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 EHPAS control module via CAN lines.
- The EHPAS control module receives the command signals of the malfunction detection function and PID/data monitor function from the WDS or equivalent, and sends DTCs and data regarding the operating 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