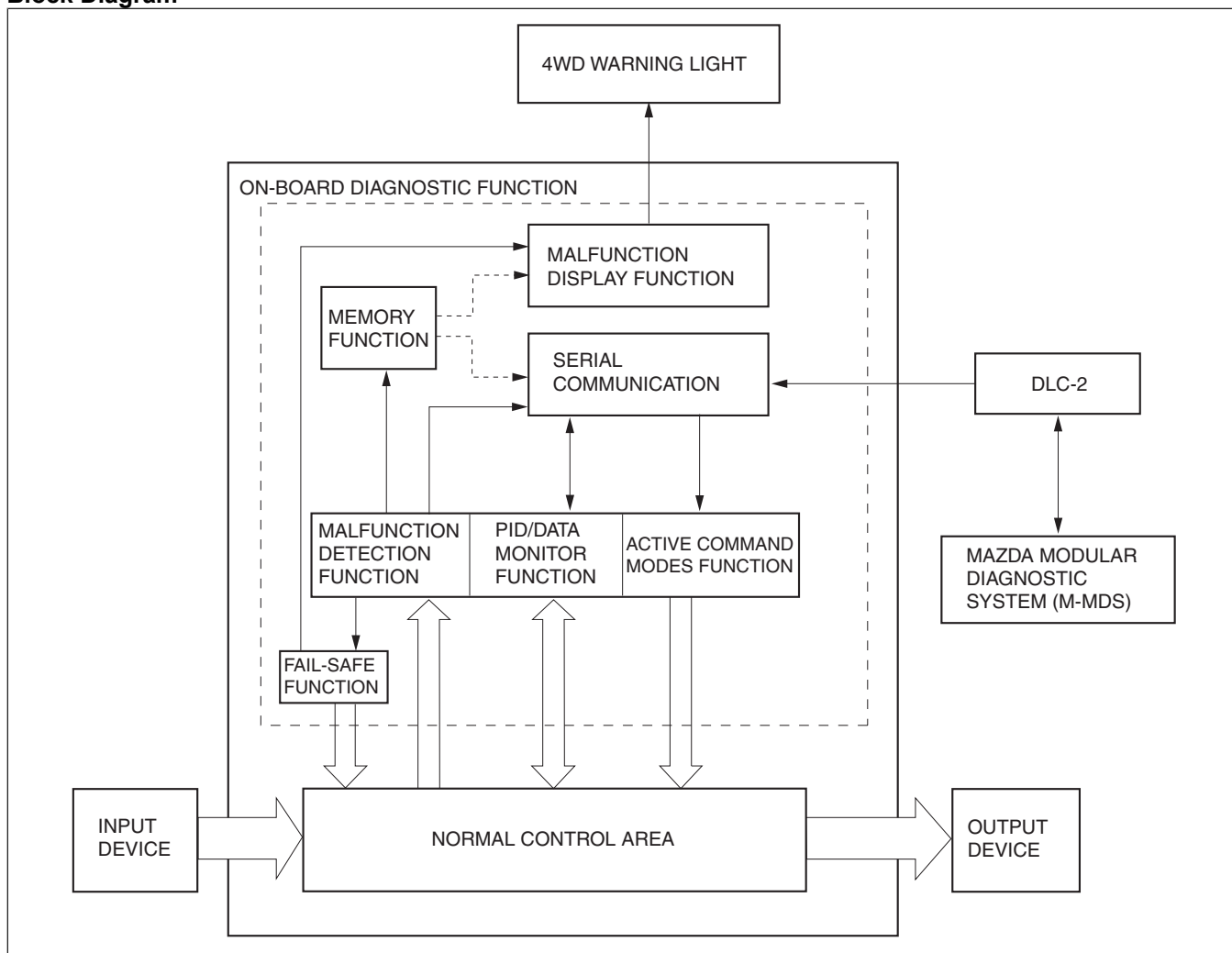


## ON-BOARD DIAGNOSTIC SYSTEM OUTLINE

id030200108200

- The on-board diagnostic system consists of a malfunction detection system that detects abnormalities in input/output signals when the ignition switch is at the ON position, a data monitor function that reads out specified input/output signals and a simulation function that allows for override operation of output parts (such as solenoid valves).
- The data link connector 2 (DLC-2), which groups together all the connectors used for malfunction diagnosis and detecting/repair into a single location, has been adopted, thereby improving serviceability. Diagnosis is performed by connecting the Mazda Modular Diagnostic System (M-MDS) to the DLC-2.
- In addition to DTC read-out, the M-MDS is used to clear DTCs using the display screen of the diagnostic tester, and to access the parameter identification (PID)/data monitor and simulation functions, providing enhanced malfunction diagnosis and improved serviceability.

### Block Diagram



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