

ON-BOARD DIAGNOSIS SYSTEM

FUEL INJECTION (FUEL SYSTEM)

6. On-board Diagnosis System

A: GENERAL

- The on-board diagnosis system detects and indicates a fault by generating a code corresponding to each fault location. The engine malfunction indicator light on the combination meter indicates occurrence of a fault or abnormality.
- When the malfunction indicator light comes on as a result of detection of a fault by the ECM, the corresponding diagnostic trouble code (DTC) and freeze frame data indicating the engine condition are stored in the ECM.
- On the OBD-II conformable car, it is necessary to connect the SUBARU Select Monitor (SSM) or General Scan Tool (GST) to the data link connector in order to check for DTCs.
- The SSM and GST can be used for erasing DTCs. These can also read freeze frame data in addition to other pieces of engine data.
- If there is a failure involving sensors, which may affect drive control of the vehicle, the fail-safe function ensures minimum level of drivability.

B: FAIL-SAFE FUNCTION

For a sensor or switch which has been judged faulty in the on-board diagnosis, the ECM, if appropriate, generates an associated pseudo signal to keep the vehicle operational. (The control becomes degraded.)