

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

CD:DTC P1026 VVL SYSTEM 1 PERFORMANCE

DTC DETECTING CONDITION:

Immediately at fault recognition

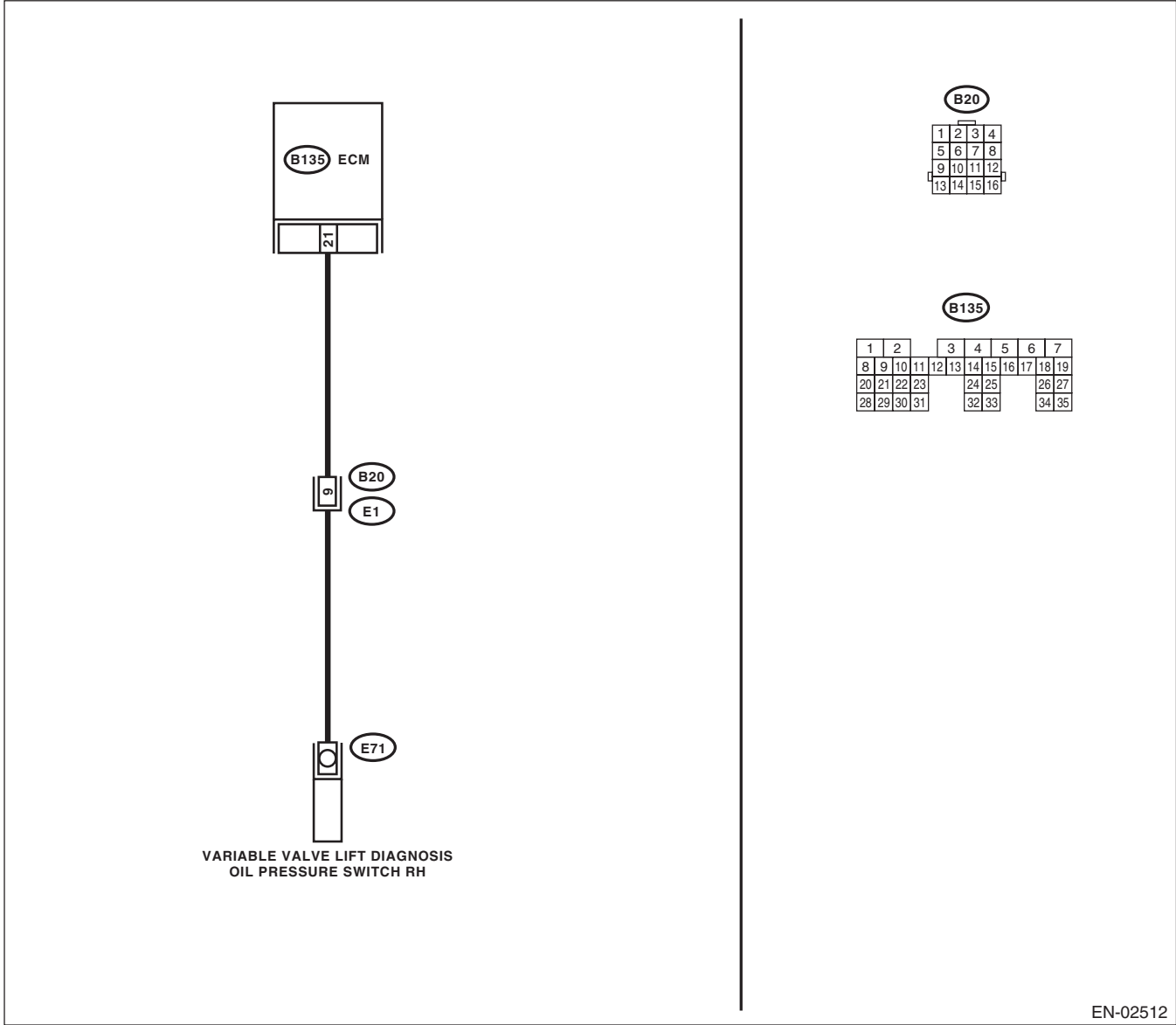
TROUBLE SYMPTOM:

Erroneous idling

CAUTION:

After repair or replacement of faulty parts, conduct Clear Memory Mode <Ref. to EN(H6DO)(diag)-40, OPERATION, Clear Memory Mode.> and Inspection Mode <Ref. to EN(H6DO)(diag)-33, PROCEDURE, Inspection Mode.>.

WIRING DIAGRAM:



EN-02512

Diagnostic Procedure with Diagnostic Trouble Code (DTC)

ENGINE (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Inspect the DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to EN(H6DO)(diag)-66, List of Diagnostic Trouble Code (DTC).>	Go to step 2.
2 CHECK HARNESS BETWEEN ECM AND VARIABLE VALVE LIFT DIAGNOSIS OIL PRESSURE SWITCH CONNECTOR. 1) Idle the engine. 2) Turn the ignition switch to OFF. 3) Disconnect the connectors from ECM and variable valve lift diagnosis oil pressure switch connector. 4) Measure the resistance of harness between variable valve lift diagnosis oil pressure switch connector and engine ground. Connector & terminal (E71) No. 1 — Engine ground:	Is the resistance more than 1 MΩ?	Go to step 3.	Repair the ground short circuit in harness between ECM and variable valve lift diagnosis oil pressure switch connector.
3 CHECK HARNESS BETWEEN ECM AND VARIABLE VALVE LIFT DIAGNOSIS OIL PRESSURE SWITCH CONNECTOR. Measure the resistance in harness between ECM and variable valve lift diagnosis oil pressure switch connector. Connector & terminal (B135) No. 21 — (E71) No. 1:	Is the resistance less than 1 Ω?	Replace the variable valve lift oil pressure switch. <Ref. to FU(H6DO)-28, Variable Valve Lift Diagnosis Oil Pressure Switch.> Go to step 4.	Repair the open circuit in harness between ECM and variable valve lift diagnosis oil pressure switch connector.
4 CHECK DTC. 1) Erase the memory. <Ref. to EN(H6DO)(diag)-40, Clear Memory Mode.> 2) Check the DTC after idle the engine.	Is DTC displayed?	Replace the oil flow control solenoid valve. <Ref. to ME(H6DO)-78, Oil Flow Control Solenoid Valve.> Go to step 5.	Temporary poor contact occurs.
5 CHECK DTC. 1) Erase the memory. <Ref. to EN(H6DO)(diag)-40, Clear Memory Mode.> 2) Check the DTC after idle the engine.	Is DTC displayed?	Check for oil routing. Contact the SUB-ARU dealer.	Temporary poor contact occurs.