

(26) ECU Flash-ROM and CPU Abnormality (DTC P0605 / 628-2, P0606 / 1077-2, P0606 / 523527-2)

P0605 / 628-2: ECU Flash-ROM error

Behaviour during malfunction:

- Engine stops

Detection item:

- FLASH ROM error

DTC set preconditions:

- Key switch is ON

DTC set parameter:

- Check-sum error
- Erase error
- Write error
- Read error

Engine warning light:

- ON

Limp home action by engine ECU (system action):

- Engine Stop

Recovery from error:

- Key switch turn OFF

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P0606 / 1077-2: ECU CPU (Main IC) error

Behaviour during malfunction:

- Engine stops

Detection item:

- Failure of CPF and/or IC

DTC set preconditions:

- Key switch is ON
- Battery voltage is 10 V or more
- Starter Switch signal is not activated

DTC set parameter:

- CPU and/or IC fatal error

Engine warning light:

- ON

Limp home action by engine ECU (system action):

- Engine Stop

Recovery from error:

- Key switch turn OFF

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P0606 / 523527-2: ECU CPU (Monitoring IC) error

Behaviour during malfunction:

- Engine stops

Detection item:

- Failure of monitoring IC of CPU

DTC set preconditions:

- Key switch is ON
- Battery voltage is 10 V or more
- Starter Switch signal is not activated

DTC set parameter:

- Failure of monitoring IC of CPU

Engine warning light:

- ON

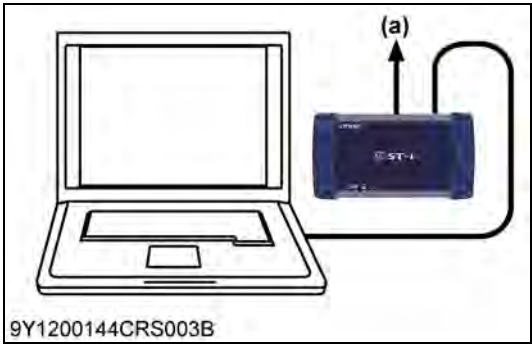
Limp home action by engine ECU (system action):

- Engine Stop

Recovery from error:

- Key switch turn OFF

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1. Check the DTC

- 1. Place the key switch in the OFF position, attach the diagnosis tool to the CAN2 connector, and return the key switch to the ON position again.
- 2. Clear the DTC, and check whether the same DTC (P0605 or P0606) is output again or not.

Factory specification	No DTC is output.
OK	An electromagnetic interference (EMI) may have caused the temporary malfunction. There is no problem if the system has recovered.
NG	Faulty Engine ECU → Replace.

(a) CAN2 Connector

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