

## (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

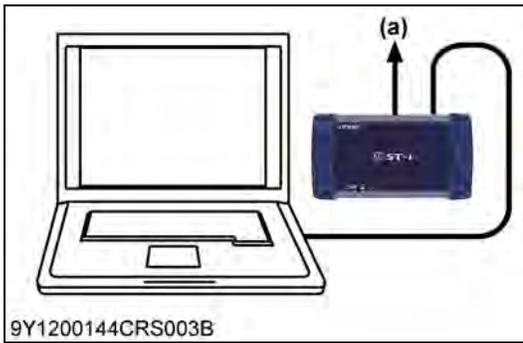
#### Limp home action by engine ECU (system action):

- 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.
<b>OK</b>	An electromagnetic interference (EMI) may have caused the temporary malfunction. There is no problem if the system has recovered.
<b>NG</b>	Faulty Engine ECU → Replace.

#### (a) CAN2 Connector

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