

DTC**P0607****Input Signal Circuit Malfunction****DESCRIPTION**

This DTC indicates the internal abnormalities of the ECM.

DTC No.	DTC Detection Condition	Trouble Area
P0607	The ECM has a supervisory CPU and a control ECU inside. When each input STP signal is different for 0.15 sec. or more, this trouble code is output. This trouble code is output after 0.4 sec. has passed from the time the cruise cancel input signal (STP input) is input into the ECM.	ECM

HINT:

The ECM receives signals from each sensor to control all the functions of the cruise control with the microcomputer.

When a trouble code is detected, fail safe remains on until the ignition switch is turned off.

INSPECTION PROCEDURE**1****REPLACE ECM****NEXT****END****CC**

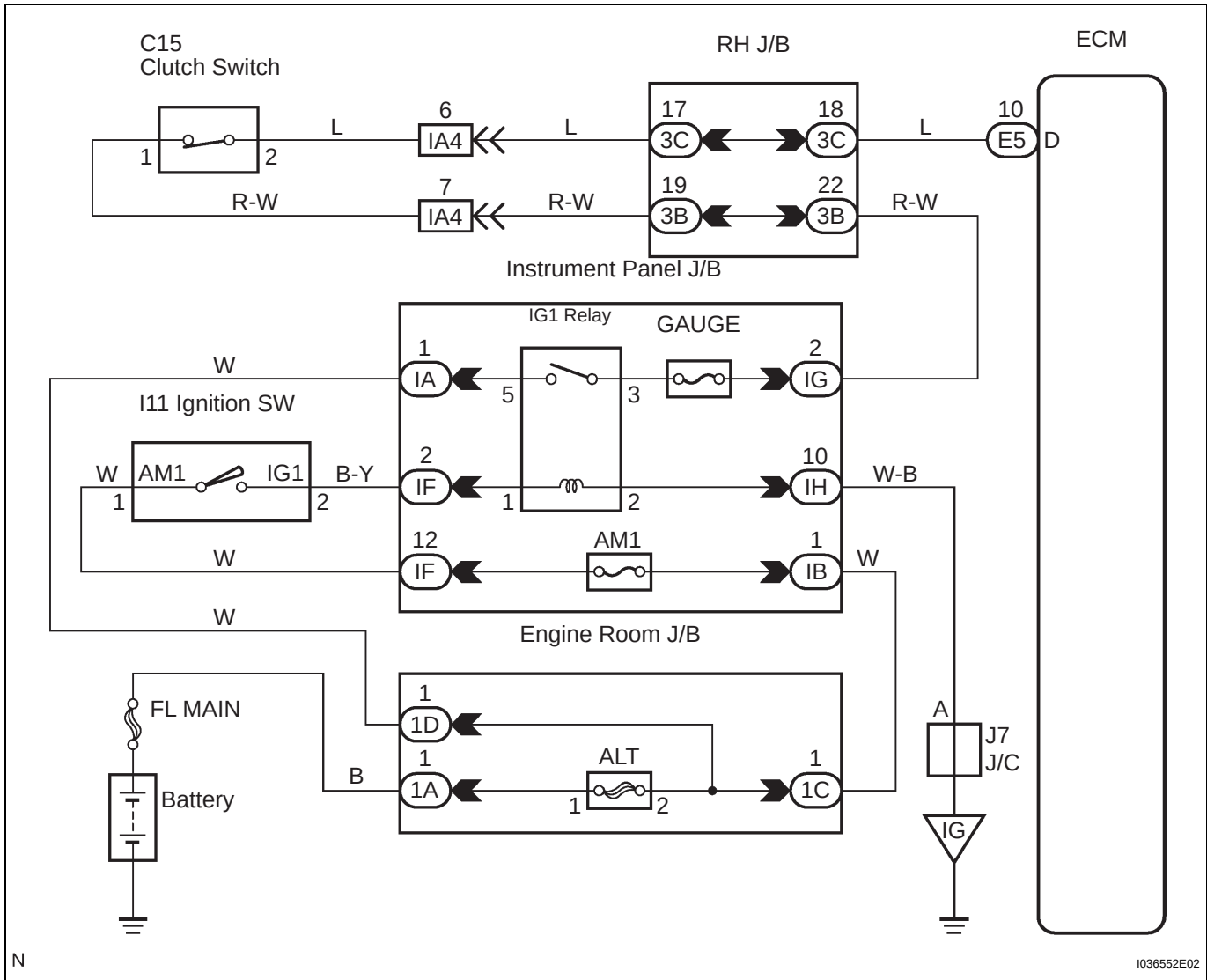
Clutch Switch Circuit

DESCRIPTION

Clutch switch circuit inspection is necessary for manual transaxle vehicles.

When the clutch pedal is released, the ECM receives positive (+) battery voltage through the IG1 relay and GAUGE fuse. While depressing the clutch pedal, the clutch switch assembly sends a signal to terminal D of the ECM. The ECM cancels cruise control drive when terminal D receives the signal.

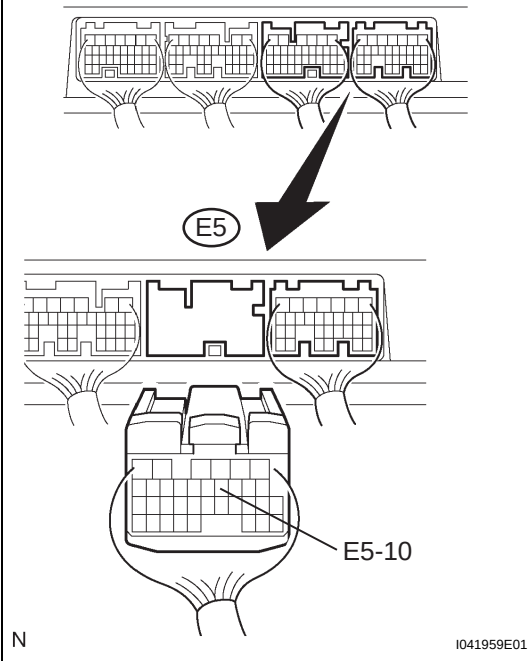
WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT ECM

Wire Harness Side:



- Disconnect the connector from the ECM.
- Turn the ignition switch on.
- Measure the voltage according to the value(s) in the table below.

Voltage

Tester Connection	Condition	Specified Condition
E5-10 - Body ground	Clutch pedal depressed	Below 1 V
E5-10 - Body ground	Clutch pedal released	10 to 14 V

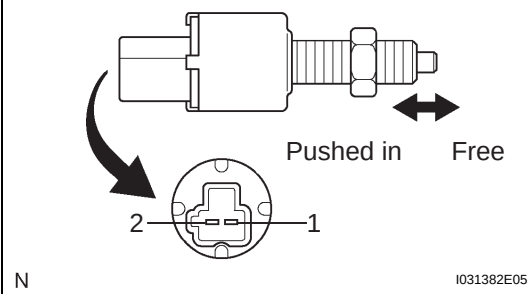
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**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN IN PROBLEM SYMPTOMS TABLE**

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2 INSPECT CLUTCH SWITCH ASSEMBLY

Clutch Switch Connector Front View:



- Disconnect the clutch switch connector.
- Measure the resistance according to the value(s) in the table below.

Resistance

Tester Connection	Condition	Specified Condition
1 - 2	Switch pin free (Clutch pedal depressed)	10 k Ω or higher
1 - 2	Switch pin pushed in (Clutch pedal released)	Below 1 Ω

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REPLACE CLUTCH SWITCH ASSEMBLY

OK

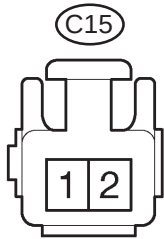
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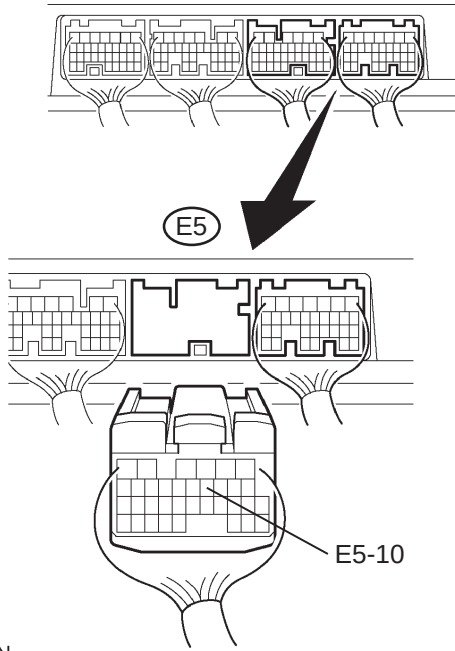
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CHECK HARNESS AND CONNECTOR

Clutch Switch Connector Front View:



ECM Wire Harness View:



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(a) Measure the resistance according to the value(s) in the table below.

Resistance

Tester Connection	Condition	Specified Condition
C15-2 - E5-10	Always	Below 1 Ω
E5-10 - Body ground	Always	10 kΩ or higher

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPAIR OR REPLACE HARNESS AND CONNECTOR (BATTERY - CLUTCH SWITCH ASSEMBLY)