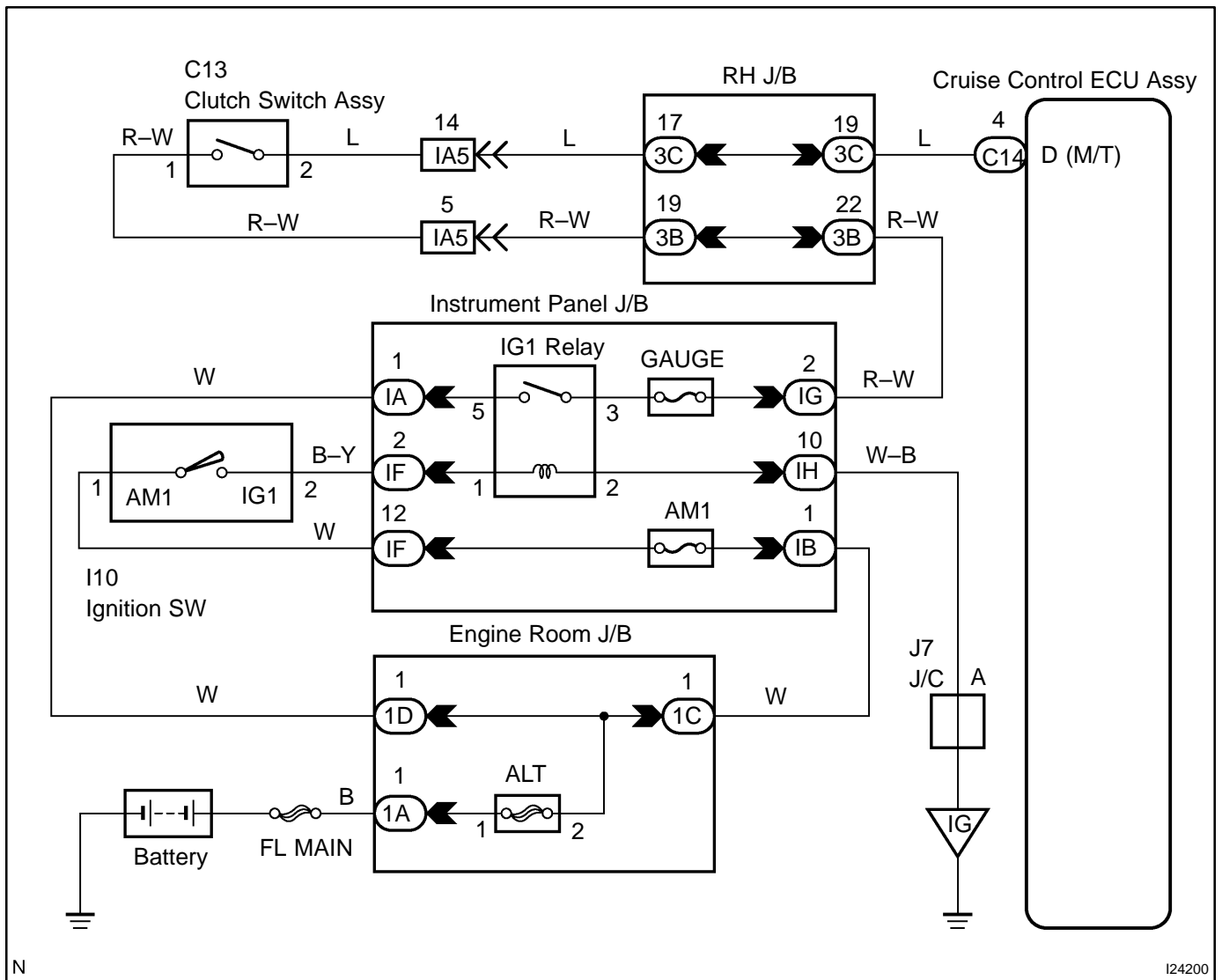


CLUTCH SWITCH CIRCUIT

CIRCUIT DESCRIPTION

When the clutch pedal is depressed, the clutch switch sends a signal to the cruise control ECU assy. When the signal is input to the cruise control ECU assy during cruise control driving, the cruise control ECU assy cancels the cruise control.

WIRING DIAGRAM



N

I24200

1 INPUT SIGNAL CHECK

Input Signal	Indicator Light Blinking Pattern
Clutch Switch OFF (Depress clutch pedal)	<p>The diagram shows a rectangular pulse for 'Light ON' that occurs while 'SW ON' is active. When 'SW OFF' is active, the 'Light' signal is 'OFF'. A dashed line indicates the transition from ON to OFF.</p>

- (a) See the input signal check on page 05-745.
- (b) Check the indicator light when the clutch pedal is depressed.

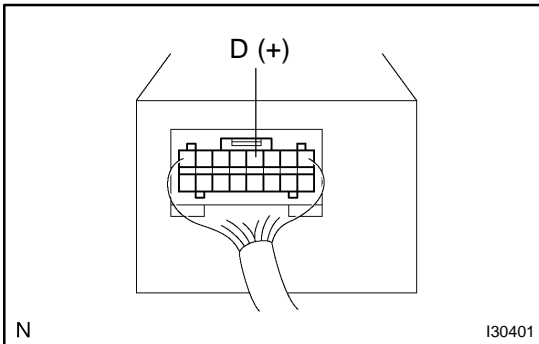
OK:

The indicator light goes off when the clutch pedal is depressed.

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05-754)**

NG

2 INSPECT TERMINAL VOLTAGE(D)



- (a) Turn the ignition switch to ON.
- (b) Measure the voltage between terminal 4 (D) of the cruise control ECU assy connector and the body ground when the clutch pedal is depressed and released.

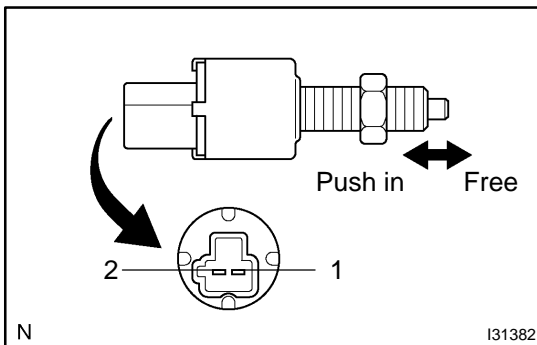
OK:

Clutch Pedal	Voltage
Clutch pedal depressed	Below 1 V
Clutch pedal released	10 - 16 V

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05-754)**

NG

3 INSPECT CLUTCH SWITCH ASSY



- (a) Disconnect the clutch switch assy connector.
 (b) Check continuity between terminal 1 and 2 of clutch switch assy.

OK:

Clutch Switch Assy Position	Specification
Switch pin free	No continuity
Switch pin pushed in	Continuity

NG

REPLACE CLUTCH SWITCH ASSY

OK

4 CHECK HARNESS AND CONNECTOR(BETWEEN CRUISE CONTROL ECU ASSY AND GAUGE FUSE)

- (a) Check for open and short circuit in harness and connector between cruise control ECU assy and gauge fuse (See page 01-30).

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE CRUISE CONTROL ECU ASSY (See page 01-30)