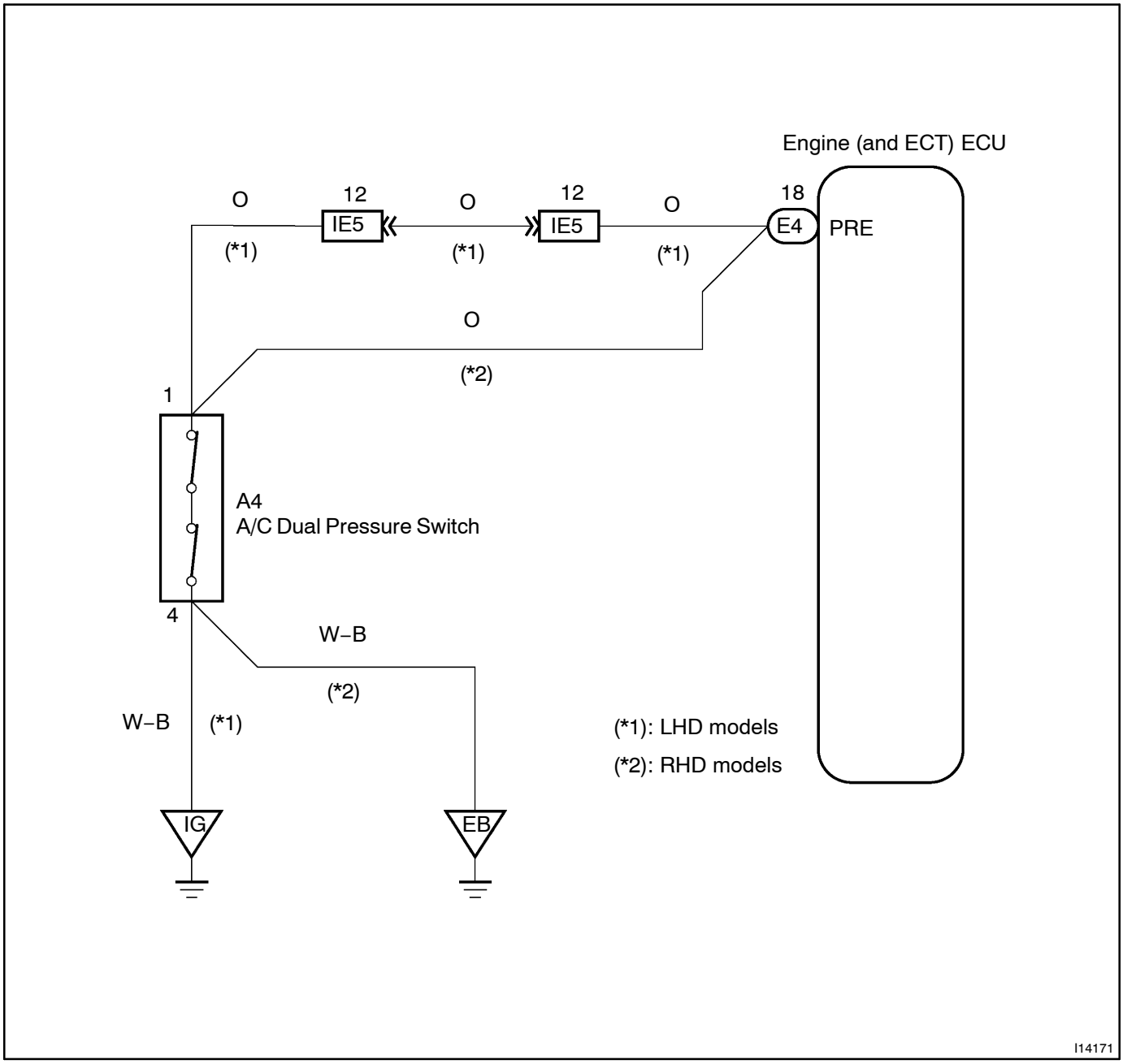
DI26B–04

Pressure Switch Circuit

CIRCUIT DESCRIPTION

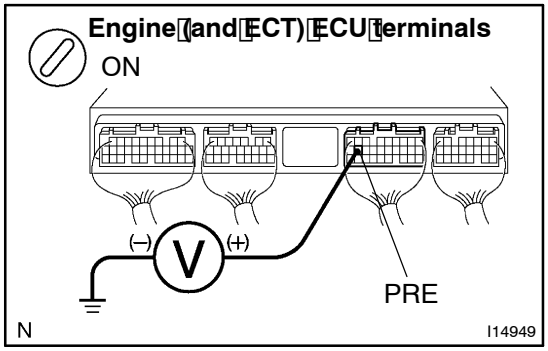
The pressure switch sends the appropriate signals to the engine (and ECT) ECU when the A/C refrigerant pressure drops too low or rises too high. When the engine (and ECT) ECU receives these signals, if outputs signals via the engine (and ECT ECU) to switch OFF the compressor relay and turns the magnetic clutch OFF.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminal PRE of ECM and body ground.



PREPARATION:

Install the manifold gauge set.

CHECK:

(a) Turn ignition switch ON.

(b) Check voltage between terminal PRE of ECM connector and body ground when A/C gas pressure is changed.

OK:

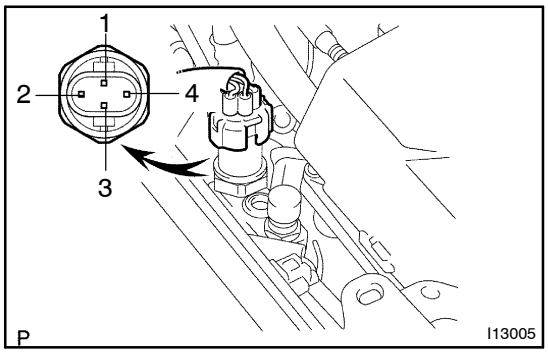
The voltage changes with gas pressure, as shown in the diagram below.

Low Pressure Cut Side	Reference: High Pressure Cut Side
ON (0V) 225 kPa 196 kPa OFF (12V)	ON (0V) 2,550 kPa 3,140 kPa OFF (12V)

OK	Proceed to next circuit inspection shown on problem symptoms table (See page DI–432).

NG

2	Check pressure switch.



PREPARATION:

Disconnect pressure switch connector.

CHECK:

(a) Turn ignition switch ON.

(b) Check continuity between terminals 1 and 4 of pressure switch when A/C gas pressure is changed.

OK:

The continuity changes with gas pressure as shown below.

Low Pressure Cut Side	Reference: High Pressure Cut Side
ON (continuity) 211 kPa 181 kPa OFF (continuity)	ON (continuity) 2,550 kPa 3,140 kPa OFF (continuity)

NG	Replace pressure switch.

OK

3	Check harness and connector between engine (and ECT) ECU and pressure switch, pressure switch and body ground (See page IN–30).

NG → Repair or replace harness or connector.

OK →

Check and replace engine (and ECT) ECU.