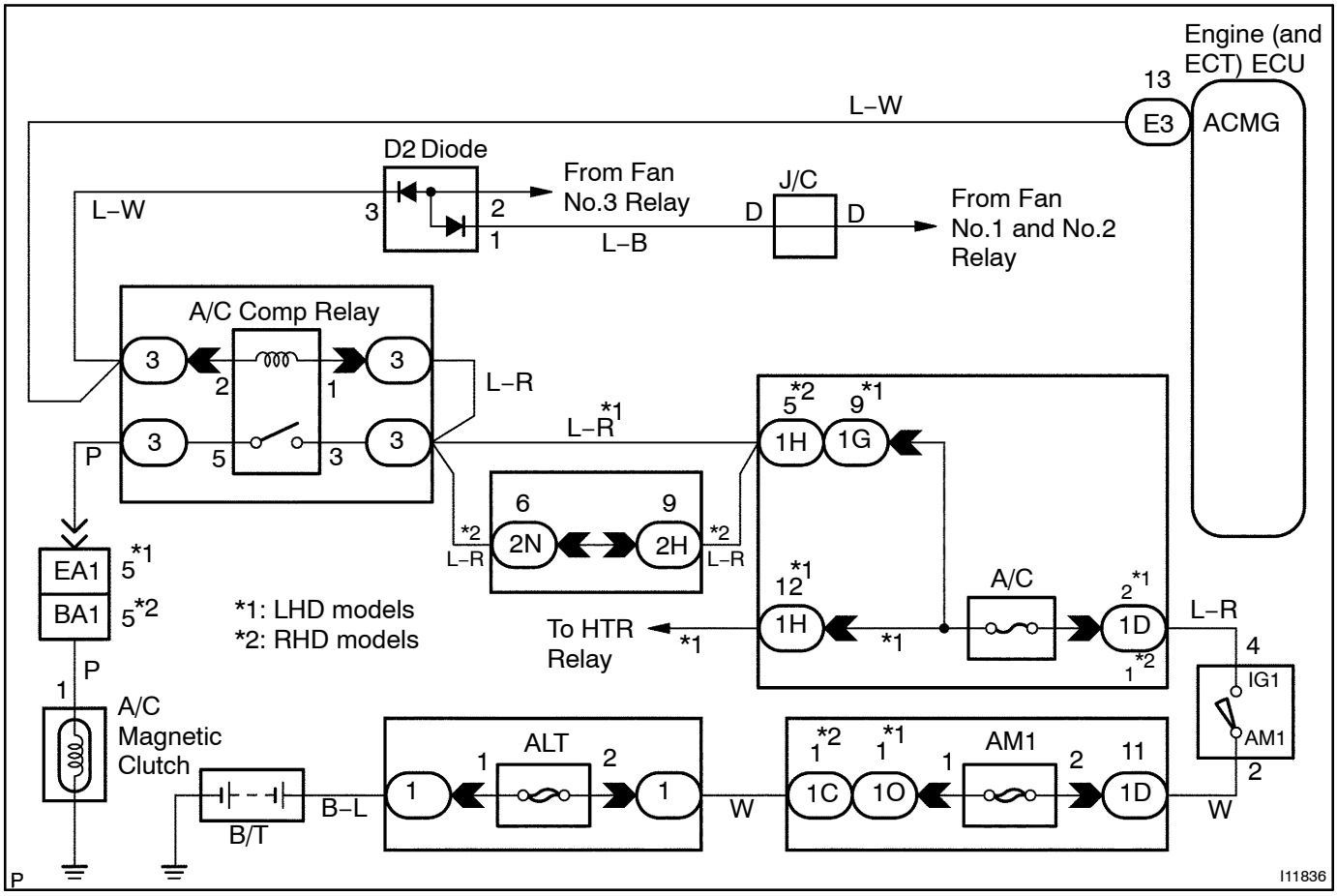
DI60N–01

Compressor Circuit

CIRCUIT DESCRIPTION

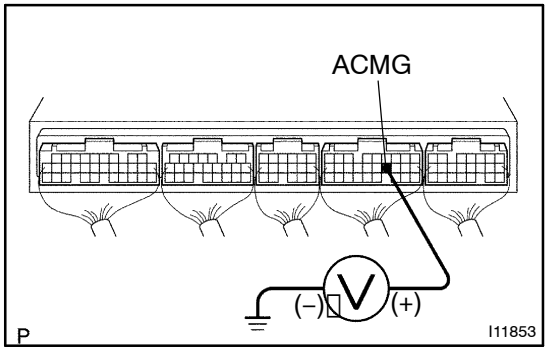
The A/C control assembly outputs the magnetic clutch ON signal from terminal MPX+ to the engine (and ECT) ECU. When the engine (and ECT) ECU receives this signal, it sends a signal from terminal ACMG and switches the A/C magnetic clutch relay ON, this turning the A/C compressor magnetic clutch ON.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminal ACMG of engine (and ECT) ECU.



CHECK:

(a) Start engine.
(b) Push AUTO SW.
(c) Measure voltage between terminal ACMG of engine (and ECT) ECU connector and body ground when A/C switch is ON and OFF.

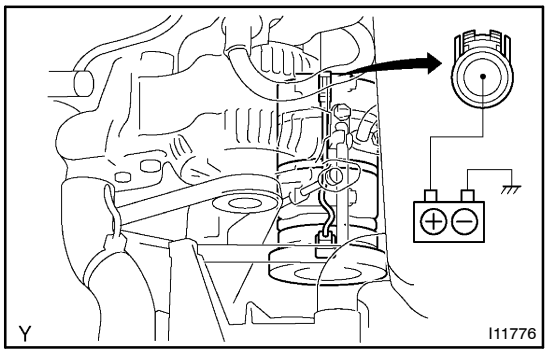
OK:

A/C switch	Voltage
ON	10 – 14 V
OFF	0 V

OK → Check and replace engine (and ECT) ECU and/or A/C control assembly.

NG

2	Check A/C compressor magnetic clutch.



PREPARATION:

Disconnect magnetic clutch connector.

CHECK:

Connect positive (+) lead connected to battery to magnetic clutch connector terminal.

OK:

Magnetic clutch is energized.

NG → Repair A/C compressor magnetic clutch.

OK

3	Check harness and connector between A/C compressor and compressor relay (See page IN–32).

NG → Repair or replace harness or connector.

OK

4	Check harness and connector between compressor relay and engine (and ECT) ECU (See page IN–32).

NG → Repair or replace harness or connector.

OK

5	Check harness and connector between engine (and ECT) ECU and A/C control assembly (See page IN–32).

NG → Repair or replace harness or connector.

OK

Check and replace engine (and ECT) ECU and/or A/C control assembly.