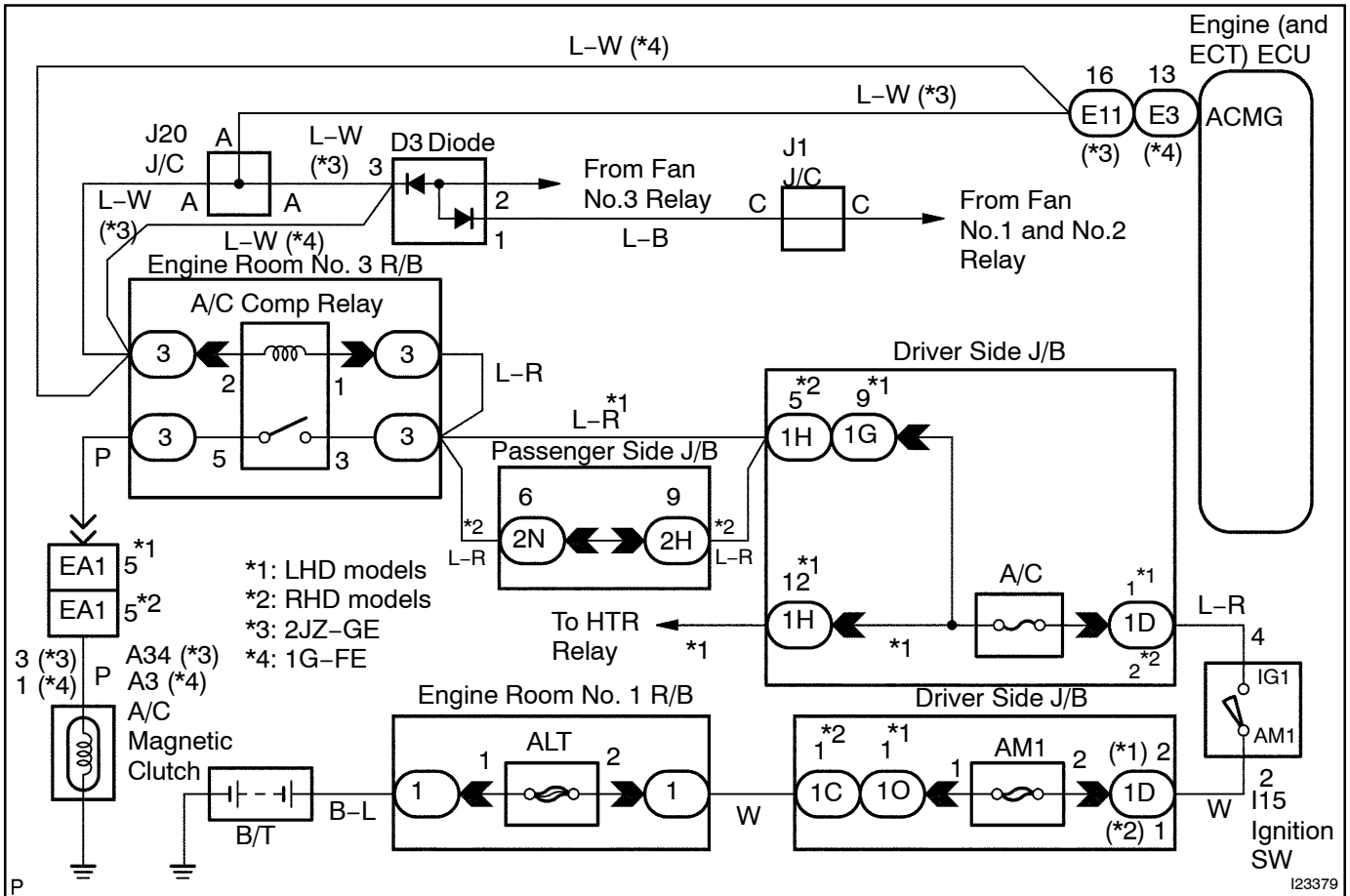


# Compressor Circuit

## CIRCUIT DESCRIPTION

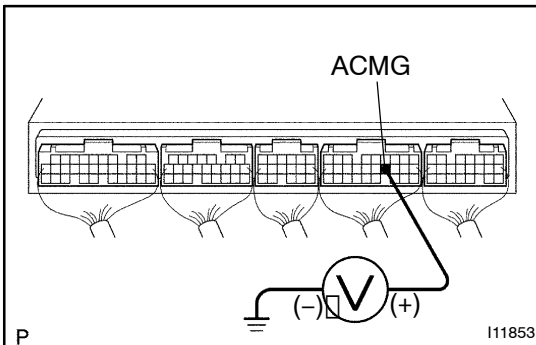
The A/C amplifier outputs the magnetic clutch ON signal from terminal MPX+ to the engine (and ECT) ECU. When the engine (and ECT) ECU receives this signal, it sends a signal from terminal ACMG and switches the A/C magnetic clutch relay ON, this turning the A/C compressor magnetic clutch ON.

## 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:**

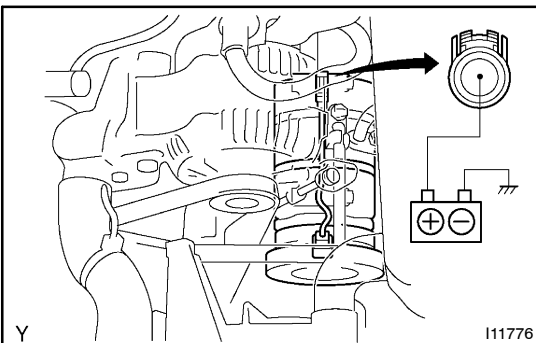
A/C switch	Voltage
ON	10 - 14 V
OFF	0 V

OK

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

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-34).

NG

Repair or replace harness or connector.

OK

4 Check harness and connector between compressor relay and engine (and ECT) ECU (See page IN-34).

NG

Repair or replace harness or connector.

OK

5 Check harness and connector between engine (and ECT) ECU and A/C amplifier (See page IN-34).

NG

Repair or replace harness or connector.

OK

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