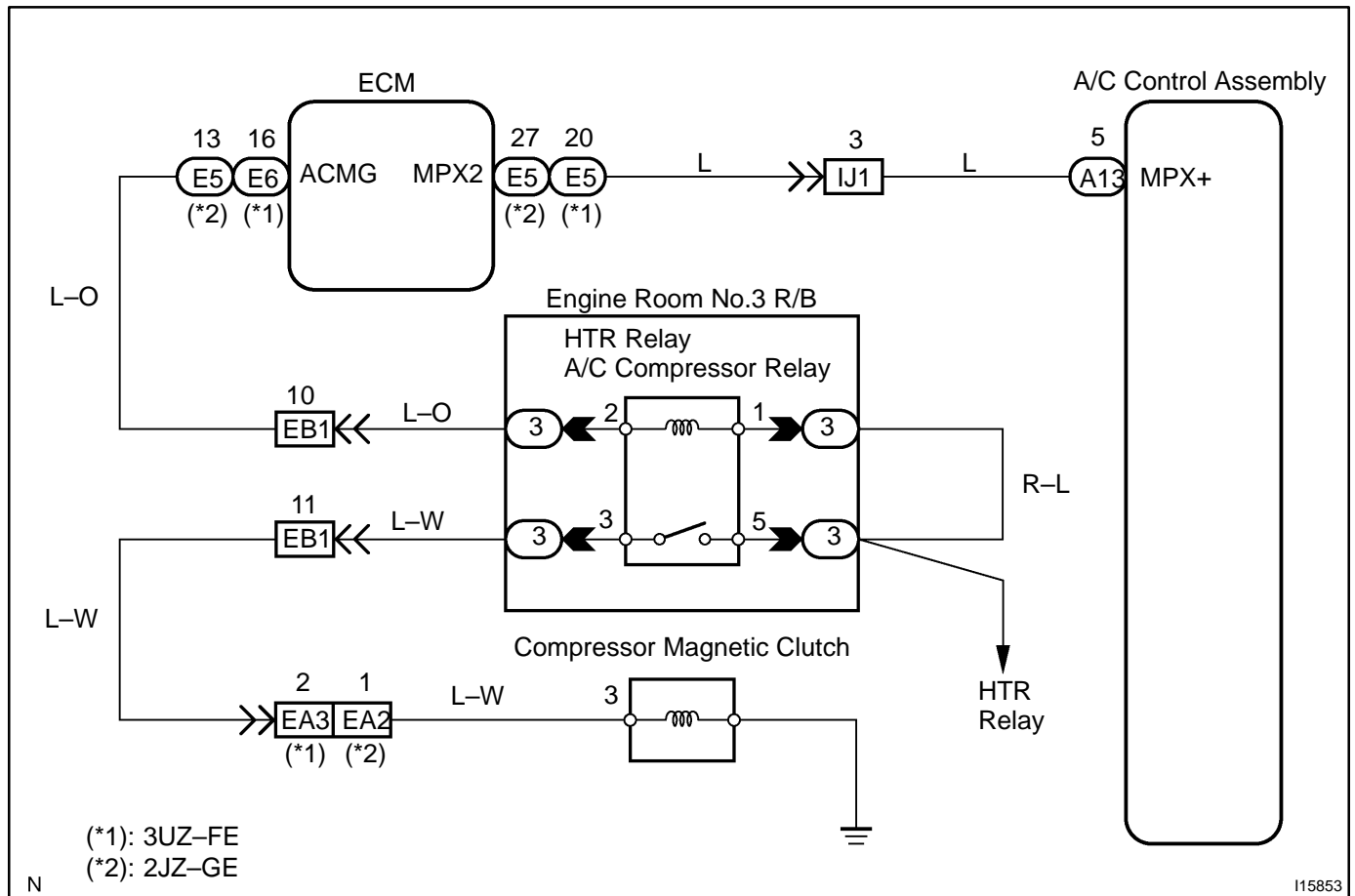


Compressor Circuit

CIRCUIT DESCRIPTION

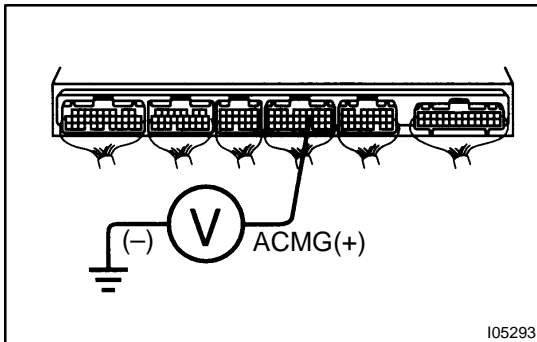
The A/C control assembly outputs the magnetic clutch ON signal from terminal MGC to the ECM. When the ECM receives this signal, it sends a signal from terminal ACMG and switches the A/C magnetic clutch relay ON, thus turning the A/C compressor magnetic clutch ON.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check voltage between terminal ACMG of ECM.

**CHECK:**

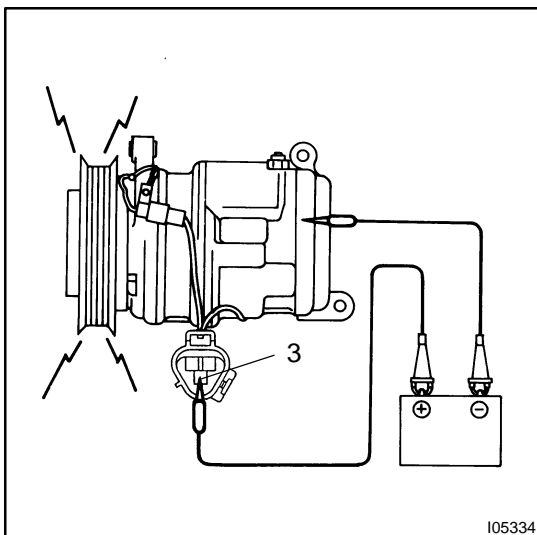
- (a) Start engine.
- (b) Push AUTO SW.
- (c) Measure voltage between terminal ACMG of ECM connector and body ground when A/C switch is ON and OFF.

OK:

A/C switch	Voltage
ON	10 – 4 V
OFF	0 V

OK**Check and replace ECM 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 3.

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 ECM
(See page [IN-32](#)).

NG

Repair or replace harness or connector.

OK

5 Check harness and connector between ECM and A/C compressor assembly
(See page [IN-32](#)).

NG

Repair or replace harness or connector.

OK

Check and replace ECM and/or A/C control assembly.