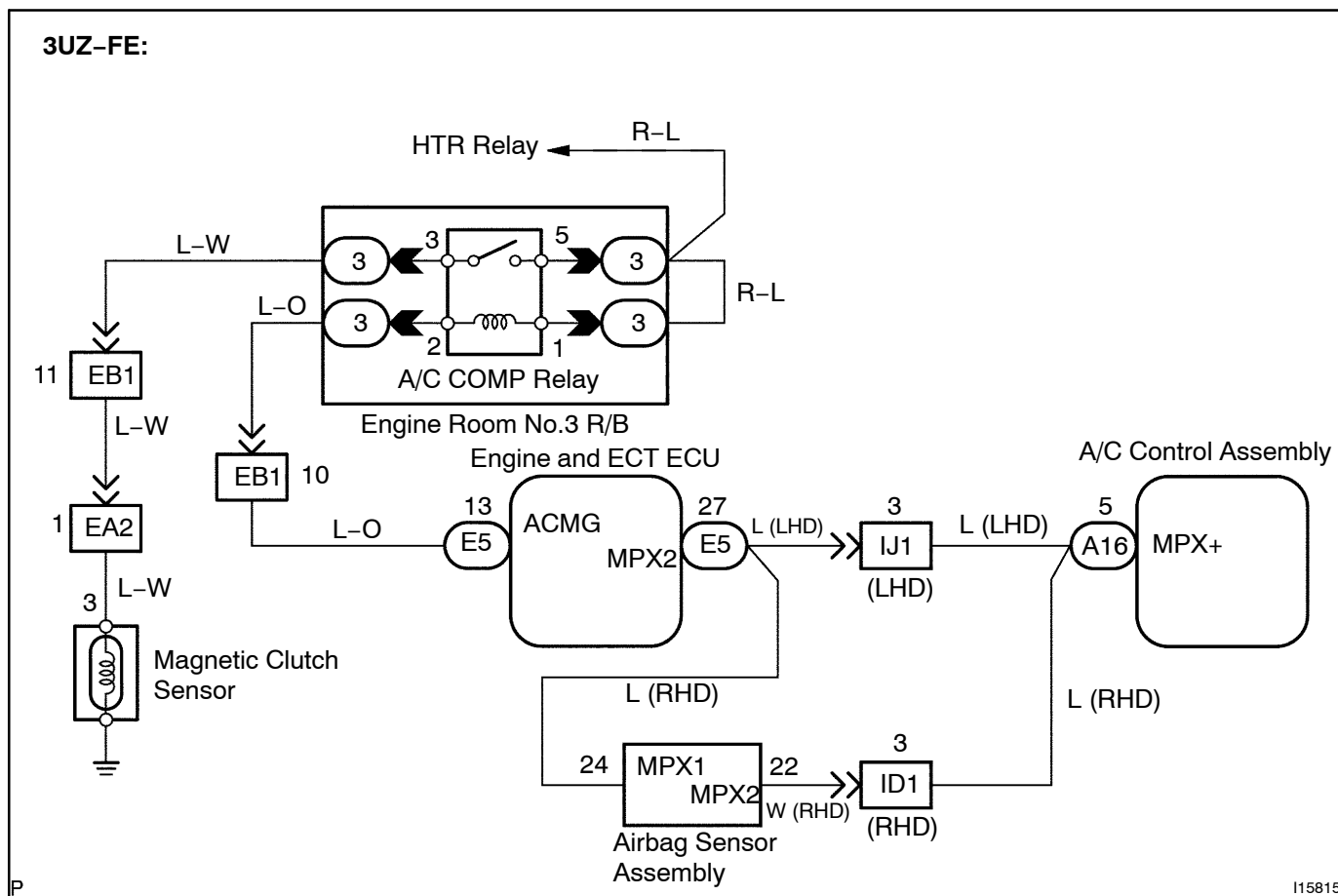


Compressor Circuit

CIRCUIT DESCRIPTION

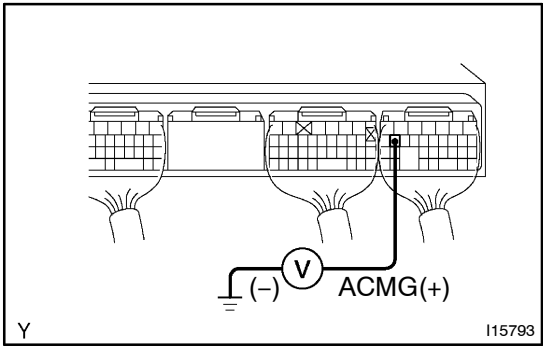
The A/C control assembly outputs the magnetic clutch ON signal from terminal MGC to the ECM. When the ECM receives this signal, it sends a signal from terminal ACMG and switches the A/C magnetic clutch relay ON, thus turning the A/C compressor magnetic clutch ON.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminal ACMG of engine and ECT ECU.
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CHECK:

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

OK:

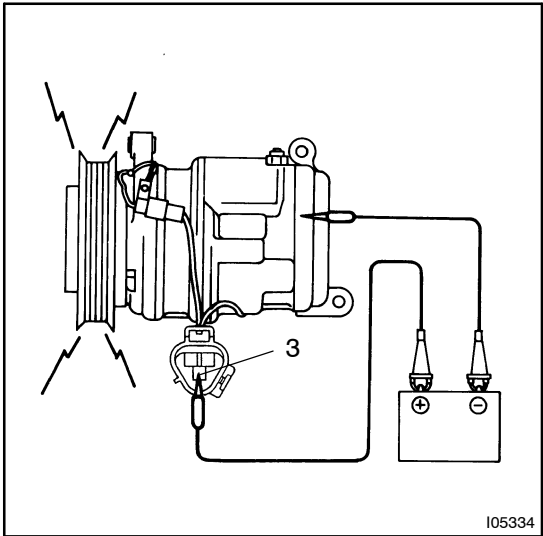
A/C switch	Voltage
ON	10 - 4 V
OFF	0 V

OK

Check and replace 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 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-30](#)).

NG

Repair or replace harness or connector.

OK

4

Check harness and connector between compressor relay and ECM
([See page IN-30](#)).

NG

Repair or replace harness or connector.

OK

5

Check multiplex communication system ([See page DI-732](#)).