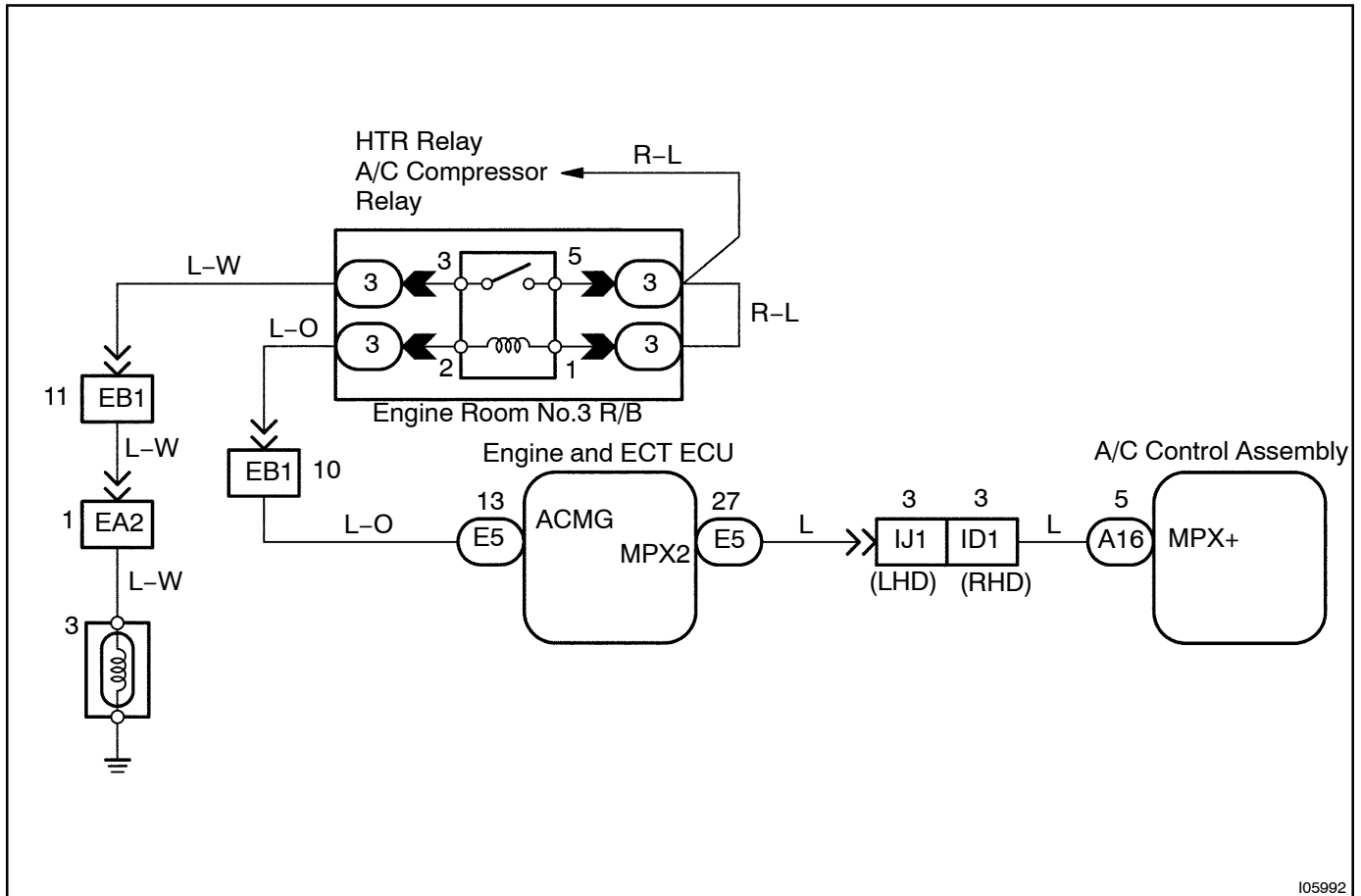


Compressor Circuit

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.

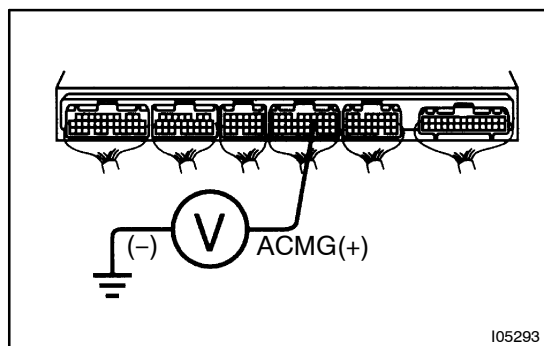
WIRING DIAGRAM



105992

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 ECM connector and body ground when A/C switch is ON and OFF.

OK:

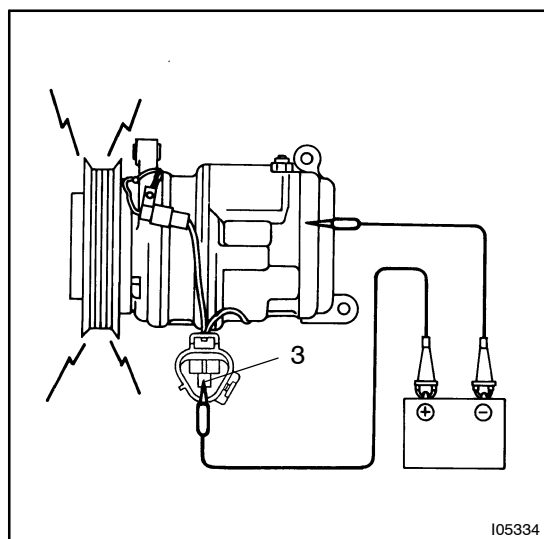
A/C switch	Voltage
ON	Below 3.0 V
OFF	9.0 – 14 V

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-29)

NG

Repair or replace harness or connector.

OK

4 Check harness and connector between compressor relay and ECM
(See page IN-29).

NG

Repair or replace harness or connector.

OK

5 Check harness and connector between ECM and A/C compressor assembly
(See page IN-29).

NG

Repair or replace harness or connector.

OK

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