

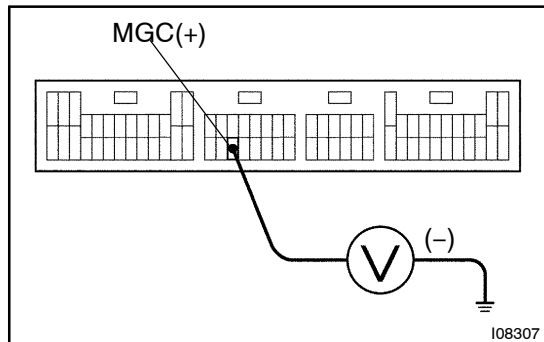
A/C amplifier switches the A/C magnetic clutch relay ON, thus turning the A/C compressor magnetic clutch ON.

The diagram illustrates the electrical connections for the MG CLT Relay and the A/C Amplifier (Center ECU). The MG CLT Relay is shown with terminals 14, 2, 1, 6, 5, 3, 7, and 1L. The A/C Amplifier (Center ECU) is shown with terminals 10, 14, and 6. The diagram includes the following components and connections:

- MG CLT Relay:** A central component with terminals 14, 2, 1, 6, 5, 3, 7, and 1L. It contains a coil and a switch.
- A/C Amplifier (Center ECU):** A component with terminals 10, 14, and 6. It is labeled "A/C Amplifier (Center ECU)".
- Compressor Magnetic Clutch:** Two components, each with a coil and a ground connection. One is connected to terminal 1L of the MG CLT Relay, and the other is connected to terminal 3 of the A/C Amplifier.
- Wiring Connections:**
 - Terminal 14 of the MG CLT Relay is connected to the A.C. Fuse.
 - Terminal 2 of the MG CLT Relay is connected to terminal 1 of the MG CLT Relay.
 - Terminal 1 of the MG CLT Relay is connected to terminal 6 of the A/C Amplifier.
 - Terminal 5 of the MG CLT Relay is connected to terminal 3 of the A/C Amplifier.
 - Terminal 3 of the A/C Amplifier is connected to the Compressor Magnetic Clutch.
 - Terminal 6 of the A/C Amplifier is connected to terminal 10 of the A/C Amplifier.
 - Terminal 10 of the A/C Amplifier is connected to terminal 14 of the A/C Amplifier.
 - Terminal 14 of the A/C Amplifier is connected to the A.C. Fuse.
 - Terminal 6 of the A/C Amplifier is connected to terminal 10 of the A/C Amplifier.
 - Terminal 10 of the A/C Amplifier is connected to terminal 14 of the A/C Amplifier.

INSPECTION PROCEDURE

- 1 Check voltage between terminal MGC of A/C amplifier connector and body ground.**

**CHECK:**

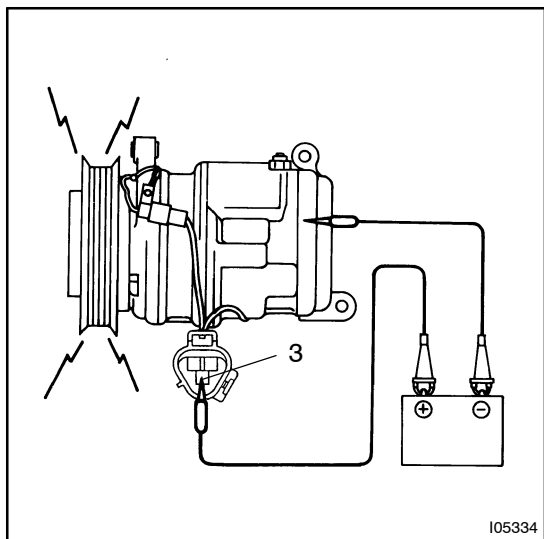
- Start engine.
- Push AUTO SW.
- Measure voltage between terminal MGC of A/C amplifier connector and body ground when A/C switch is ON and OFF.

OK:

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

OK**Check and replace 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 3.

OK:

Magnetic clutch is energized.

NG**Repair A/C compressor magnetic clutch.****OK**

3 Check harness and connector between A/C compressor and MCCLT relay
(See page IN-35)

NG

Repair or replace harness or connector.

OK

Check and replace A/C amplifier.