

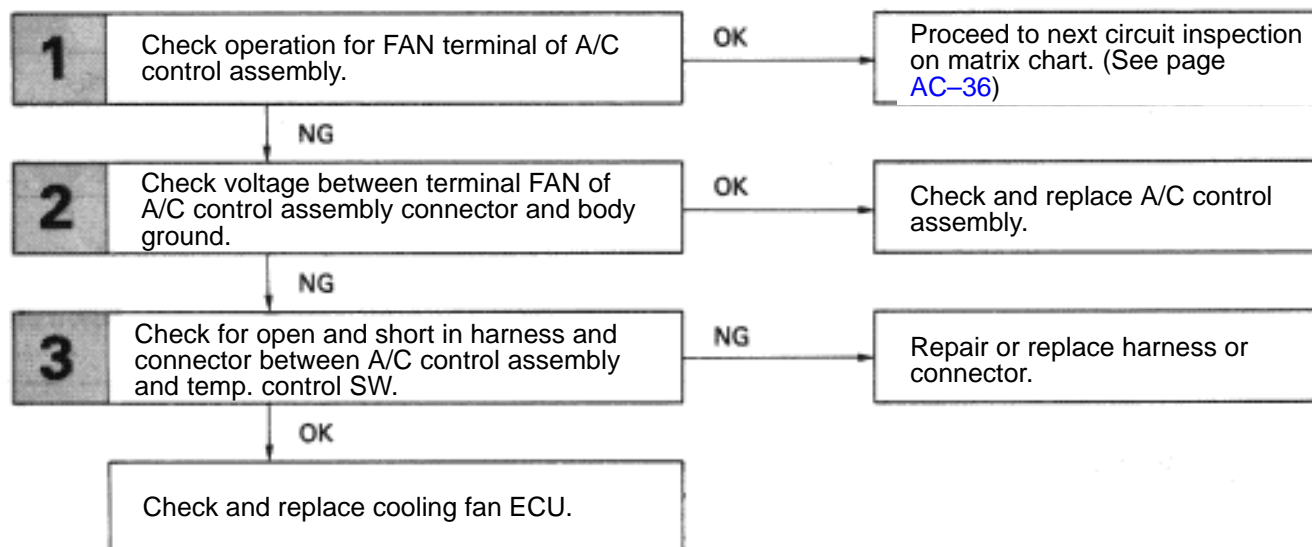
## Communication Line with Cooling Fan ECU

### — CIRCUIT DESCRIPTION —

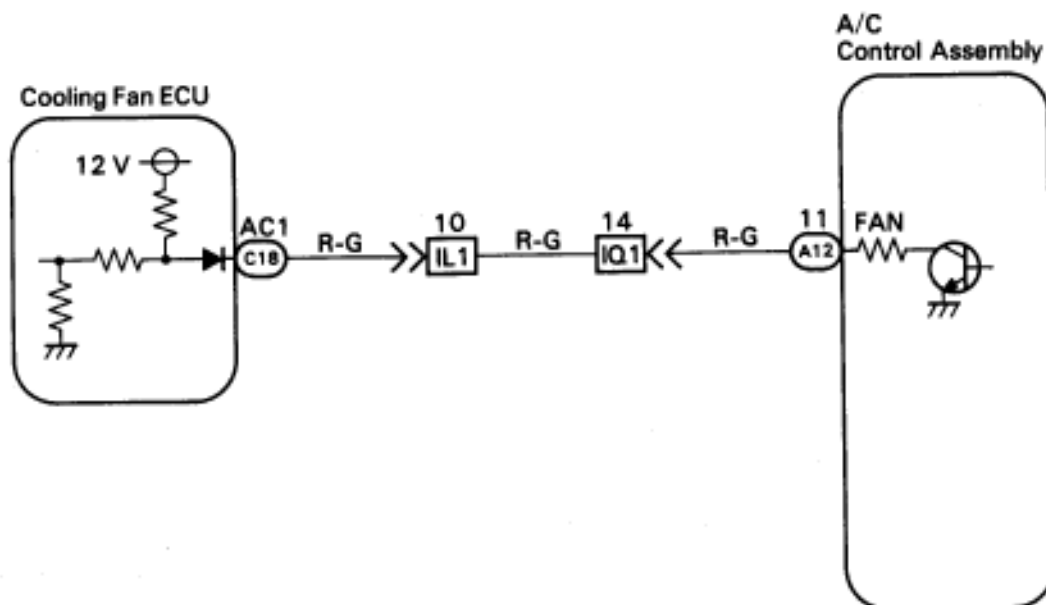
When the magnetic clutch relay is ON and the required outlet air temp. is below a predetermined value, the A/C control assembly turns ON Tr1 inside the ECU. (Terminal voltage at the FAN terminal is almost 0 V).

As a result, the cooling fan ECU increases the speed of the cooling fan as required and increases the cooling performance of the condenser.

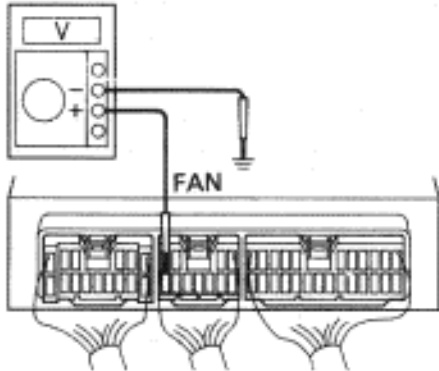
### — DIAGNOSTIC CHART —



## WIRING DIAGRAM



## INSPECTION PROCEDURE

**1****Check operation for FAN terminal of A/C control assembly.**

AC2978

**C**

Measure voltage between terminal fan of A/C control assembly connector and body ground when set temp. is set to MAX COLD and MAX HOT.

**OK**

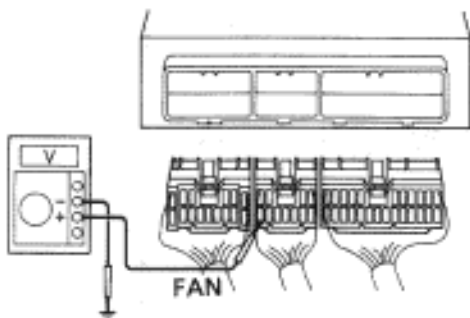
| Set Temp. | Voltage   |
|-----------|-----------|
| MAX COLD  | Below 1 V |
| MAX HOT   | 10 – 14 V |

**NG****OK**

Proceed to next circuit inspection shown on matrix chart (See page [AC-36](#)).

**2****Check voltage between terminal FAN of A/C control assembly connector and body ground.**

ON  
IG ON

BE6653  
AC2979**P**

1. Disconnect the A/C control assembly connector.
2. Turn ignition switch ON.

**C**

Measure voltage between terminal FAN of A/C control assembly connector and body ground.

**OK**

**Voltage: 10 — 14 V**

**NG****OK**

Check and replace A/C control assembly.

**3****Check for open and short in harness and connector between A/C control assembly and cooling fan ECU (See page [IN-27](#)).****OK****NG**

Repair or replace harness or connector.

Check and replace cooling fan ECU.