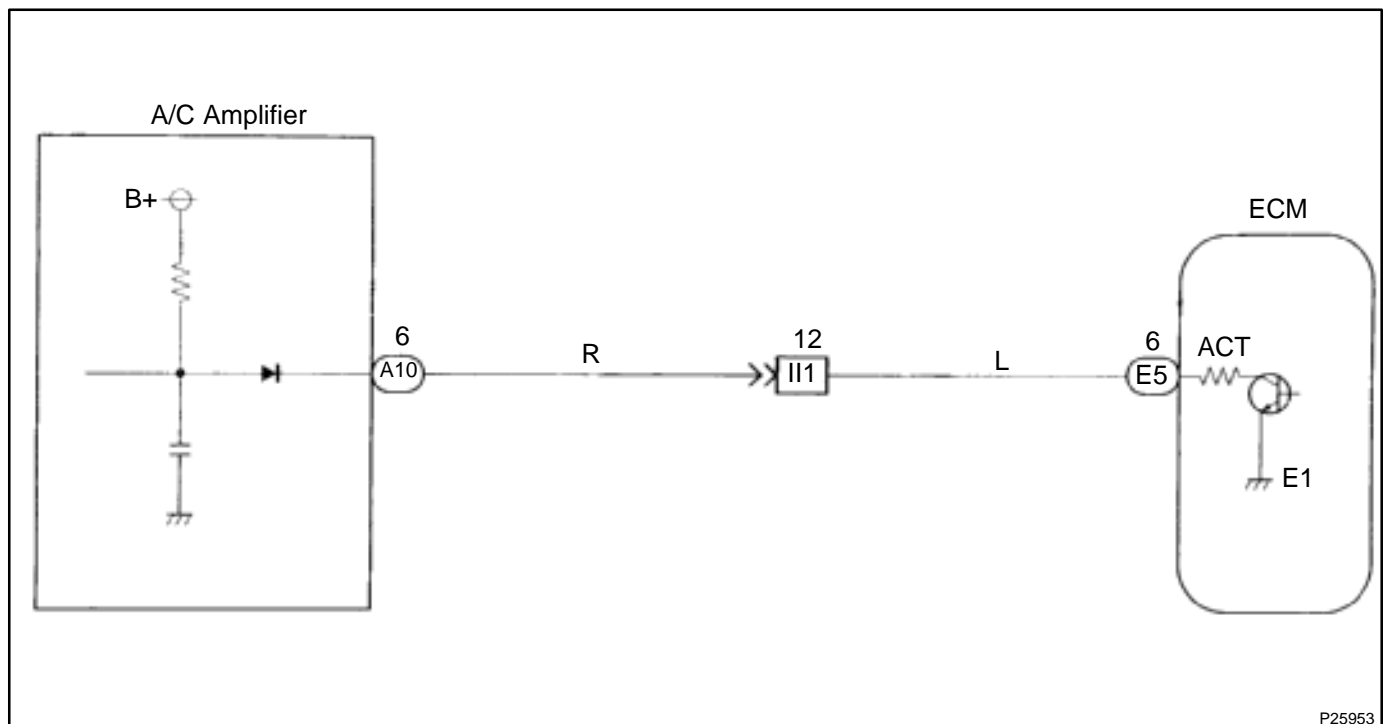


## A/C Cut Control Circuit

### CIRCUIT DESCRIPTION

This circuit cuts air conditioning operation during vehicle acceleration in order to increase acceleration performance. During acceleration with the vehicle speed at 25 km/h (16 mph) or less, engine speed at 1,200 rpm or less and throttle valve opening angle 50° or more, the A/C magnet switch is turned OFF for several seconds.

### WIRING DIAGRAM



P25953

**INSPECTION PROCEDURE****TOYOTA hand–held tester**

<b>1</b>	<b>Connect TOYOTA hand–held tester and check operation of air conditioning cut control.</b>
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**PREPARATION:**

- (a) Remove the fuse cover on the instrument panel.
- (b) Connect the TOYOTA hand–held tester to the DLC3.
- (c) Turn ignition switch ON and TOYOTA hand–held tester main switch ON.
- (d) Start the engine and air conditioning switch ON.

**HINT:**

A/C magnetic clutch is turned ON.

- (e) Select the ACTIVE TEST mode on the TOYOTA hand–held tester.

**CHECK:**

Check operation of A/C magnetic clutch cut when air conditioning cut control is operated by the TOYOTA hand–held tester.

**OK:**

**A/C magnetic clutch is turned OFF.**

**OK**

**Proceed to next circuit inspection shown on matrix chart (See page [DI-20](#)).**

**NG**

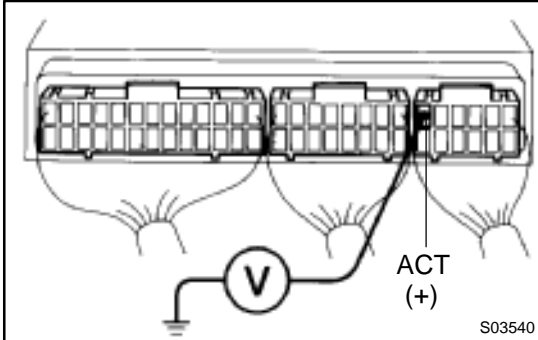
<b>2</b>	<b>Check for open and short in harness and connector between ECM and A/C amplifier (See page <a href="#">IN-27</a>).</b>
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**NG**

**Repair or replace harness or connector.**

**OK**

### 3 Check voltage between terminal ACT of ECM connector and body ground.



#### PREPARATION:

- (a) Remove the lower finish panel.
- (b) Start the engine.

#### CHECK:

Measure voltage between terminal ACT of ECM connector and body ground when A/C switch is turned to ON and OFF.

#### OK:

A/C switch condition	Voltage
ON	9 – 14 V
OFF	Below 2.0 V

**NG**

Check and replace A/C amplifier.

**OK**

Check and replace ECM (See page [IN-27](#)).

### OBD II scan tool (excluding TOYOTA hand –held tester)

### 1 Check voltage between terminal ACT of ECM connector and body ground (See page [DI-121](#), step 3).

**OK**

Check and replace ECM (See page [IN-27](#)).

**OK**

### 2 Check for open and short in harness and connector between ECM and A/C amplifier (See page [IN-27](#)).

**NG**

Repair or replace harness or connector.

**OK**

Check and replace A/C amplifier.