

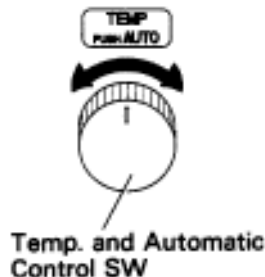
Temperature Control Switch Circuit

— CIRCUIT DESCRIPTION —

By turning the temp. control switch, the set temperature of the A/C can be adjusted in steps of 1°F (USA) or 0.5°C (Canada). Turning the switch fully will set the A/C to MAX. COLD or MAX. HOT.

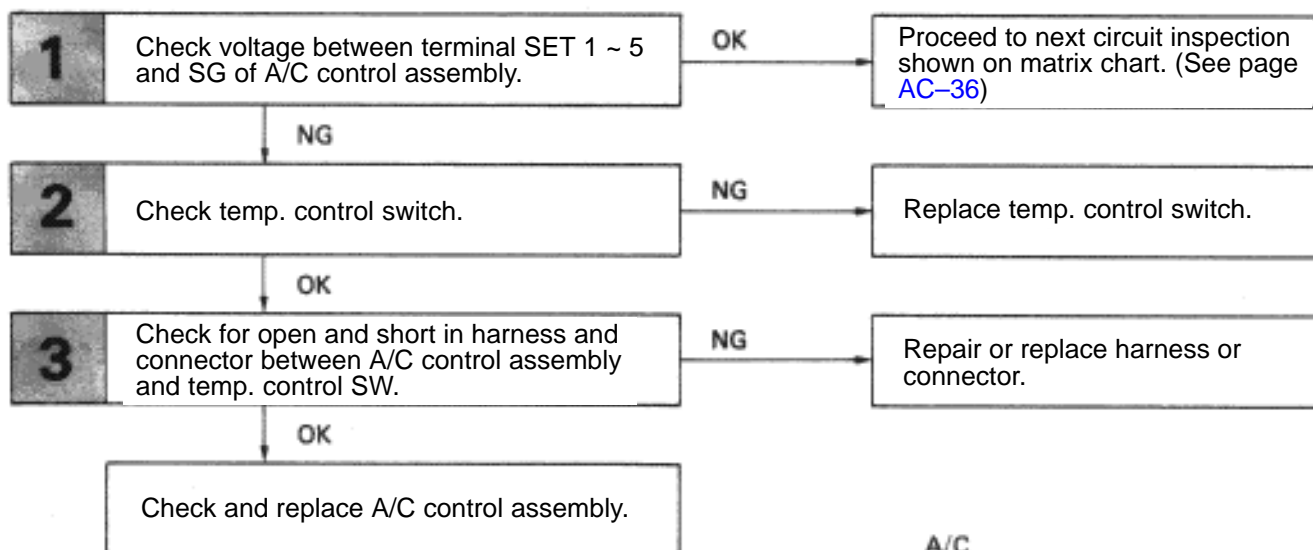
The ECU calculates the set temperature from the combination of Hi (5 V) or Low (0 V) terminals SET 1 ~ 5 of the temp. control SW and displays the set temperature on the LCD display.

If a malfunction occurs in the temp. control SW circuit, malfunctions such as not being able to set the desired temperature occur.



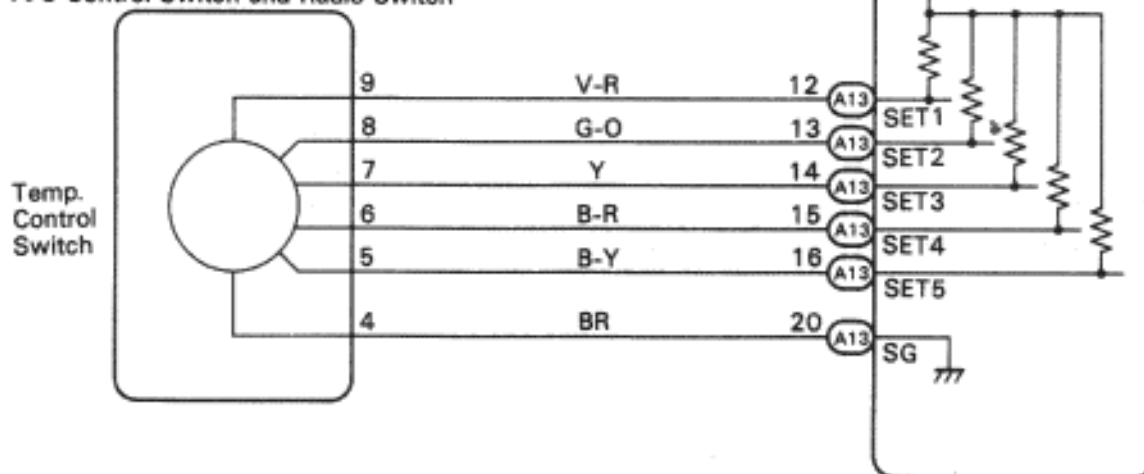
AC2907

— DIAGNOSTIC CHART —

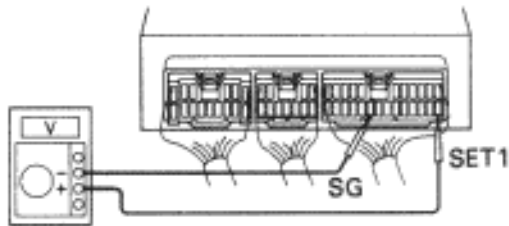


WIRING DIAGRAM

A/C Control Switch and Radio Switch



INSPECTION PROCEDURE

1**Check voltage between terminals SET 1 ~ 5 and SG of A/C control assembly.**BE6053
AC2977**P**1. Remove A/C control assembly with connectors still connected (see page [AC-140](#))

2. Turn ignition switch ON.

C

Measure voltage between terminals SET 1 ~ 5 and SG of temp. control switch is turned from most left to right position.

OK

for USA spec.

OK

for Canada spec.

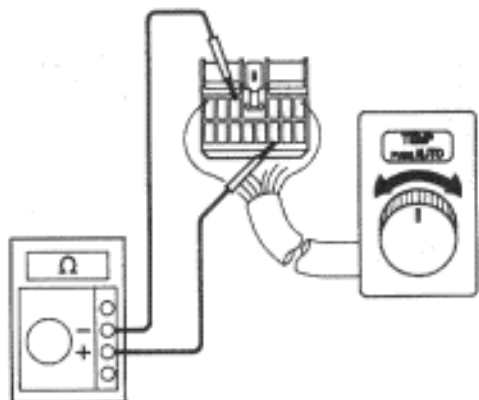
SW Position terminal	Most Left	Most Right
SET1	0→5→0→5→0→5→0→5→0→5→0→5	
SET2	0→5→0→5→0→5	
SET3	0→5→0	
SET4	5→0→5	
SET5	5→0	

Unit [V]

SW Position terminal	Most Left	Most Right
SET1	0→5→0→5→0→5→0→5→0→5→0→5	
SET2	5→0→5→0→5→0→5→0→5	
SET3	5→0→5→0→5	
SET4	5→0→5	
SET5	5→0	

Unit [V]

NG**OK**Proceed to next circuit inspection shown or matrix chart. (see page [AC-36](#))Go to step **2**.

2**Check temp. control switch.**

AC2985

P

Disconnect temp. control switch connector.

C

Measure voltage between terminals SET 1 ~ 5 and SG of temp. control switch, when switch is turned from most left to right position.

OK

for USA spec.

OK

for Canada spec.

SW Position terminal	Most Left	Most Right
SET1	0 → ∞ → 0 → ∞ → 0 → ∞ → 0 → ∞ → 0 → ∞	
SET2	0 → ∞ → 0 → ∞ → 0 → ∞	
SET3	0 → ∞ → 0	
SET4	∞ → 0 → ∞	
SET5	∞ → 0	

Unit [Ω]

SW Position terminal	Most Left	Most Right
SET1	0 → ∞ → 0 → ∞ → 0 → ∞ → 0 → ∞ → 0 → ∞	
SET2	∞ → 0 → ∞ → 0 → ∞ → 0 → ∞ → 0 → ∞	
SET3	∞ → 0 → ∞ → 0	
SET4	∞ → 0 → ∞	
SET5	∞ → 0	

Unit [Ω]

OK**NG**

Replace temp. control switch.

3**Check for open and short in harness and connector between A/C control assembly and temp. control switch (see page IN-27).****OK****NG**

Repair or replace harness or connector.

Check and replace A/C control assembly.

–MEMO–