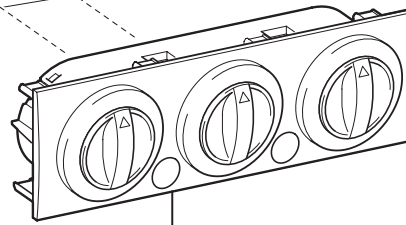
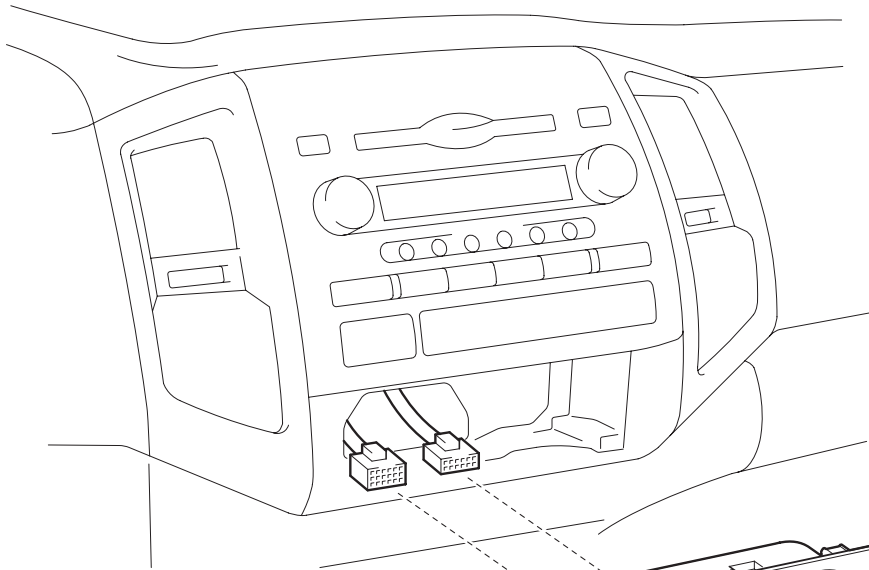
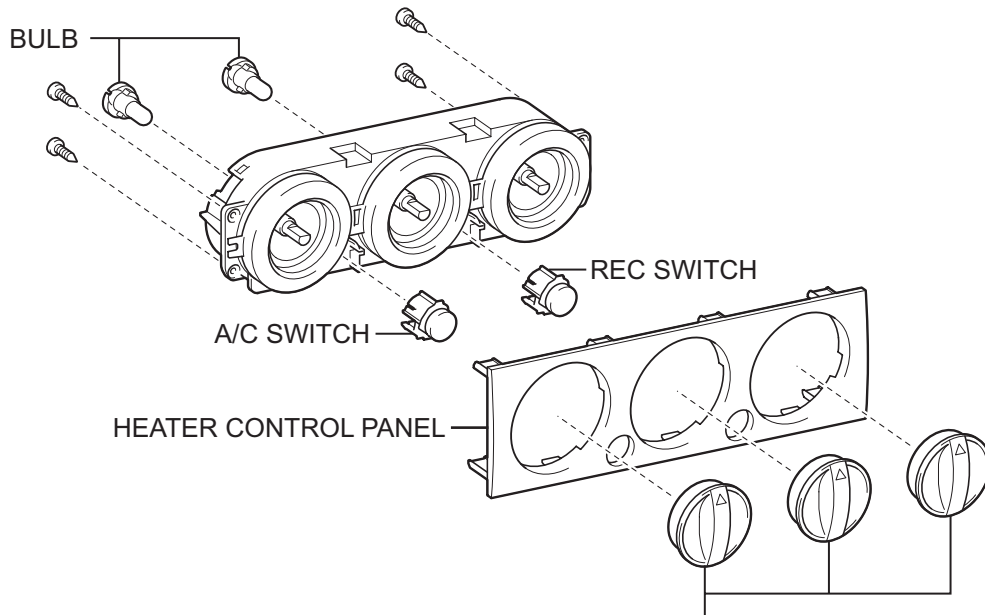


AIR CONDITIONING CONTROL ASSEMBLY

COMPONENTS



AIR CONDITIONING CONTROL ASSEMBLY

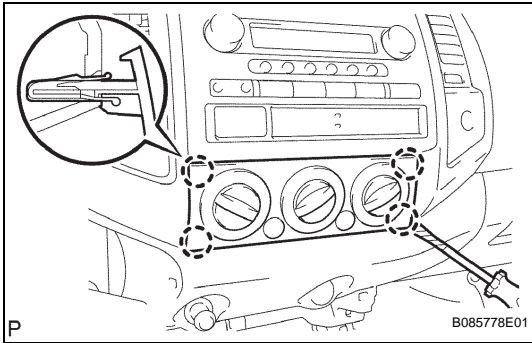


CONTROL KNOB SUB-ASSEMBLY

AC

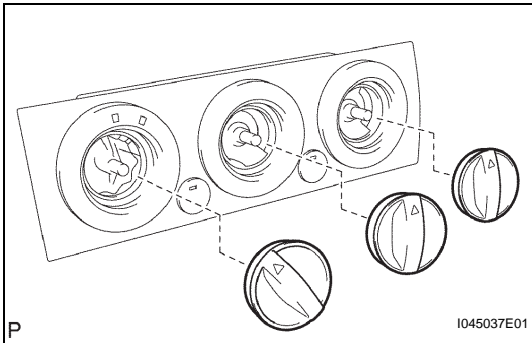
REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE AIR CONDITIONING CONTROL ASSEMBLY**
 - (a) Using a screwdriver, disengage the 4 clips and remove the air conditioner control assembly.
HINT:
Tape up the screwdriver tip before use.
 - (b) Disconnect the 2 connectors.



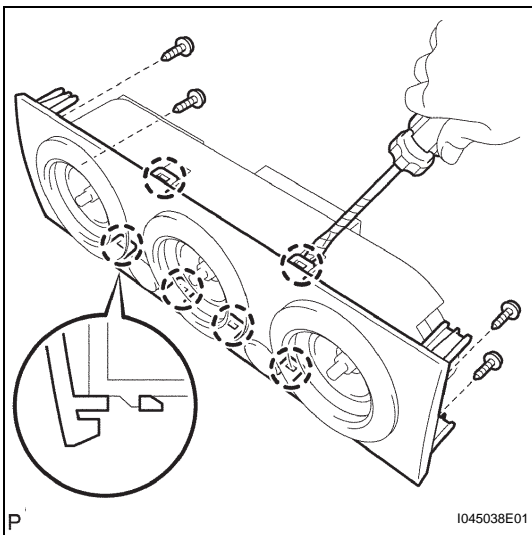
DISASSEMBLY

1. **REMOVE CONTROL KNOB SUB-ASSEMBLY**
 - (a) Remove the 3 control knob sub-assemblies.



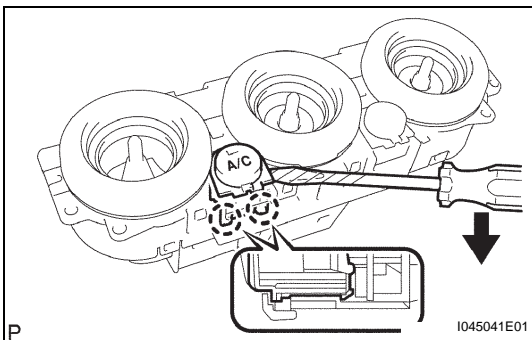
2. **REMOVE HEATER CONTROL PANEL**
 - (a) Remove the 4 screws.
 - (b) Using a screwdriver, disengage the 6 claws and remove the heater control panel.

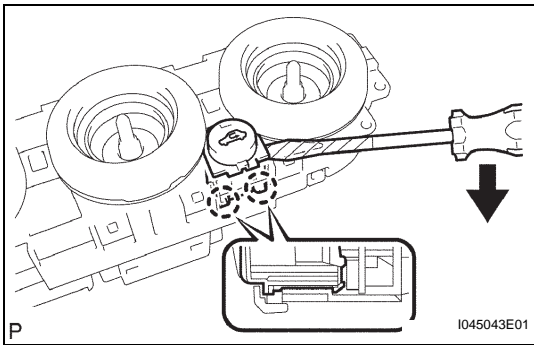
- (a) Remove the 4 screws.
- (b) Using a screwdriver, disengage the 6 claws and remove the heater control panel.
HINT:
Tape up the screwdriver tip before use.



3. **REMOVE A/C SWITCH**
 - (a) Using a screwdriver, pry out the A/C switch.

- (a) Using a screwdriver, pry out the A/C switch.
HINT:
Tape up the screwdriver tip before use.



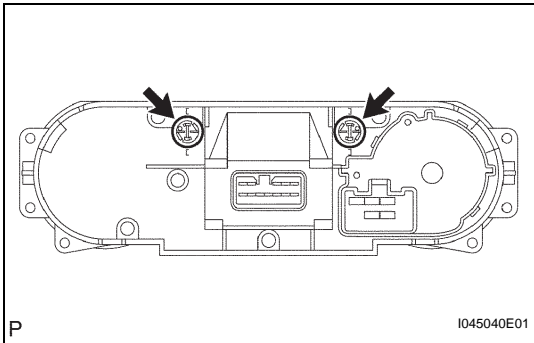


4. REMOVE REC SWITCH

- (a) Using a screwdriver, pry out the REC switch.

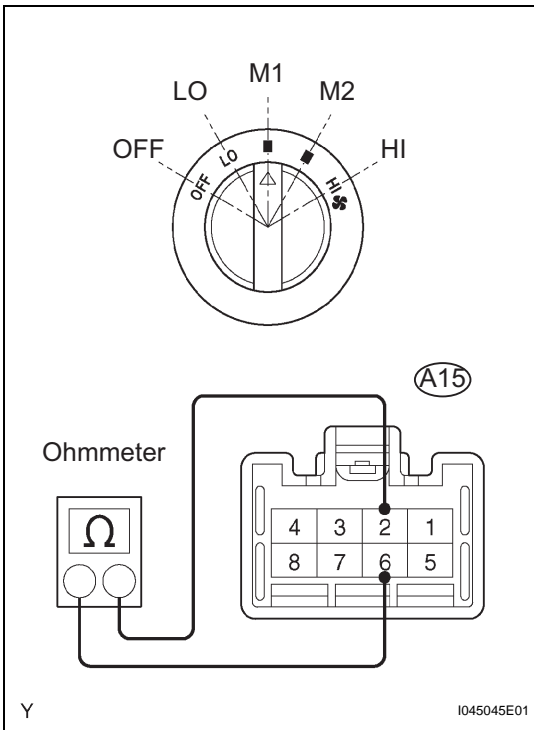
HINT:

Tape up the screwdriver tip before use.



5. REMOVE BULB

- (a) Using a screwdriver, turn the 2 bulbs counterclockwise and pull them out.



INSPECTION

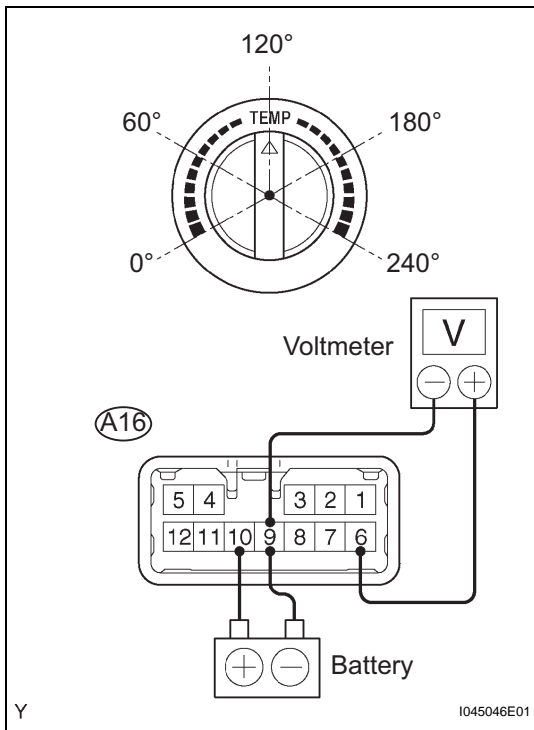
1. INSPECT AIR CONDITIONING CONTROL ASSEMBLY

- (a) Check the blower switch resistance.
 - (1) Using an ohmmeter, measure the resistance and check the results in accordance with the values in the table below.

Standard

Tester connection	Blower Switch Position	Specified Condition
2 - 3 - 4 - 6 - 7	OFF	10 K Ω or higher
2 - 6	LO	Below 1 Ω
2 - 6 - 7	LO - M1	Below 1 Ω
2 - 6 - 7	M1	Below 1 Ω
2 - 4 - 6 - 7	M1 - M2	Below 1 Ω
2 - 4 - 6	M2	Below 1 Ω
2 - 3 - 4 - 6	M2 - HI	Below 1 Ω
2 - 3 - 6	HI	Below 1 Ω

If the result is not as specified, replace the air conditioning control assembly.

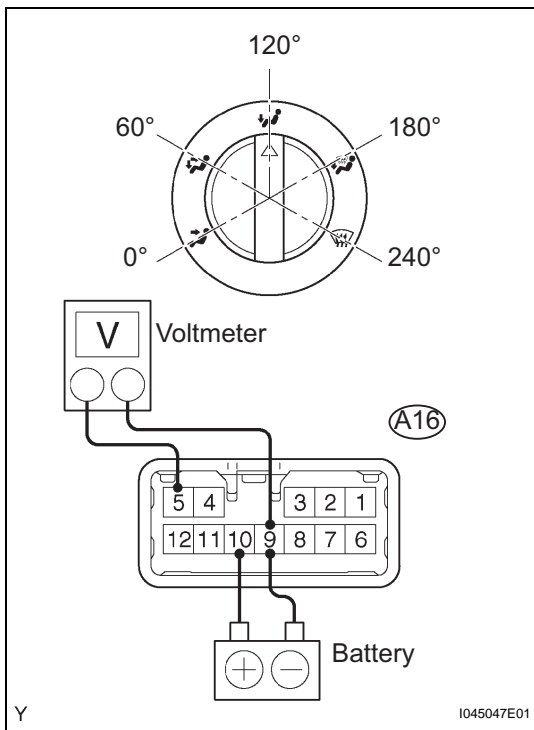


- (b) Check the temperature selector switch voltage.
- (1) Apply battery voltage (13.5V) across terminals 10 (IG) and 9 (GND).
 - (2) Connect the positive (+) tester probe of a voltmeter to terminal 6 (AMSW) and the negative (-) tester probe to terminal 9 (GND), then check the voltage.

Standard

Angle (Position)	Specified Condition
0° (MAX COOL)	13.0 to 13.5 V
60° (COOL)	9.7 to 10.6 V
120°	6.3 to 7.2 V
180° (HOT)	2.9 to 3.8 V
240° (MAX HOT)	0 to 0.5 V

If the result is not as specified, replace the air conditioning control assembly.

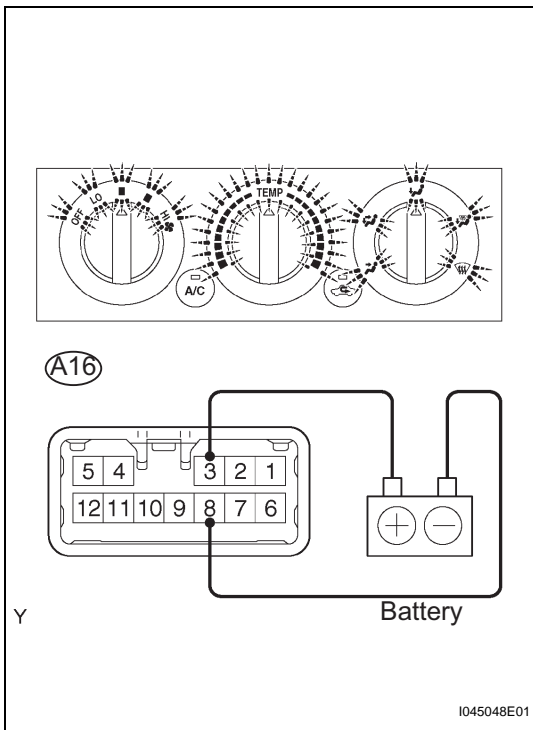


- (c) Check the mode selector switch voltage.
- (1) Apply battery voltage (13.5V) across terminals 10 (IG) and 9 (GND).
 - (2) Connect the positive (+) tester probe of a voltmeter to terminal 5 (MSET) and the negative (-) tester probe to terminal 9 (GND), then check the voltage.

Standard

Angle (Position)	Specified Condition
0° (FACE)	13.3 to 13.5 V
60° (B/L)	10.1 to 11.0 V
120° (FOOT)	6.3 to 7.2 V
180° (FOOT/DEF)	2.7 to 3.4 V
240° (DEF)	0 to 0.2 V

If the result is not as specified, replace the air conditioning control assembly.

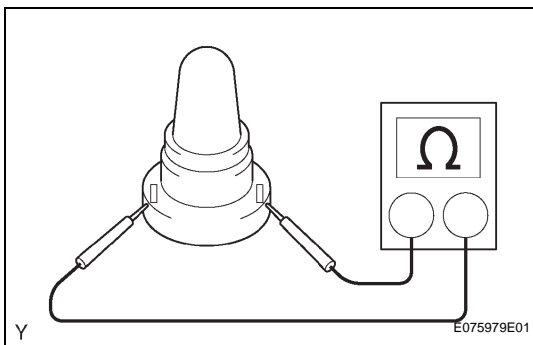


- (d) Inspect the illumination operation.
- (1) Connect the positive (+) lead from the battery to terminal 3 (ILL+) and negative (-) lead to terminal 8 (ILL-), then check that the illuminations light up.

Standard:

Illuminations light up

If the result is not as specified, check the faulty bulb.

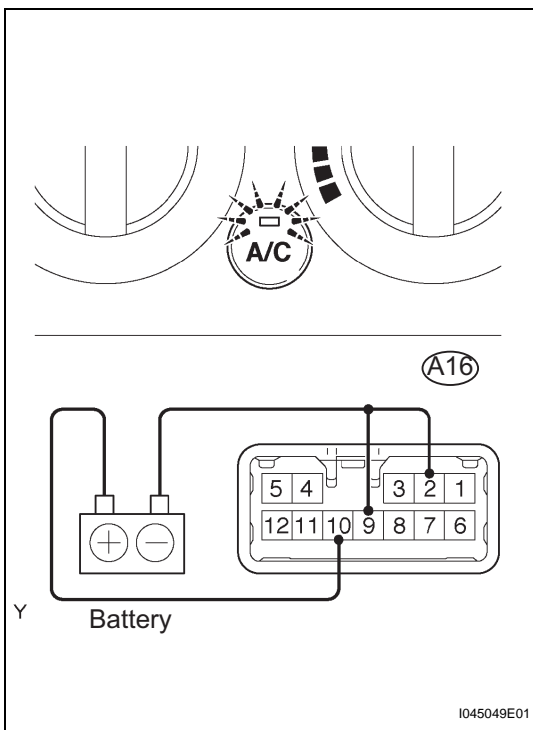


- (e) Inspect the bulb.
- (1) Inspect continuity of the bulb by connecting the tester as shown in the illustration.

Standard:

7 to 11 Ω at 20°C (68°F)

If continuity exists, replace the heater control.
If no continuity exists, replace the bulb.

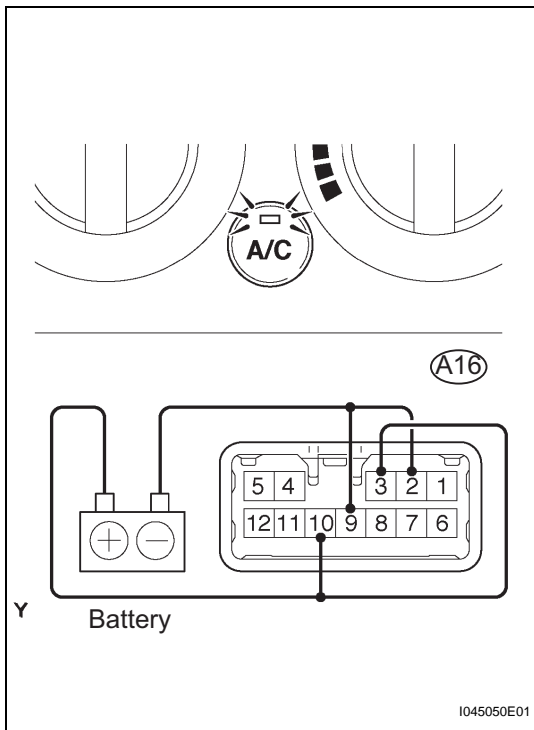


- (f) Inspect A/C indicator operation.
- (1) Connect the positive (+) lead from the battery to terminal 10 (IG) and negative (-) lead to terminal 2 (ACID) and 9 (GND).
 - (2) Push the A/C button in and then check that the indicator lights up.

Standard:

Indicator lights up

If the result is not as specified, replace the air conditioning control assembly.

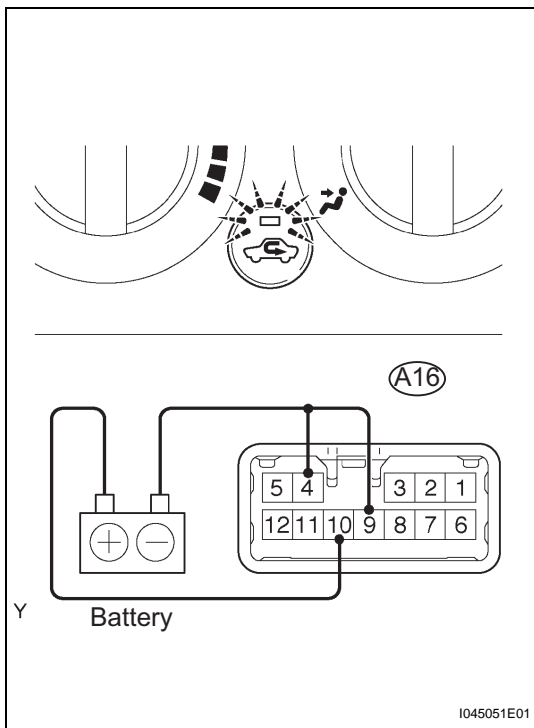


- (3) Under the above condition, connect the positive (+) lead from the battery to terminal 3 (ILL+) and then check that the indicator dims.

Standard:

Indicator dims

If the result is not as specified, replace the air conditioning control assembly.



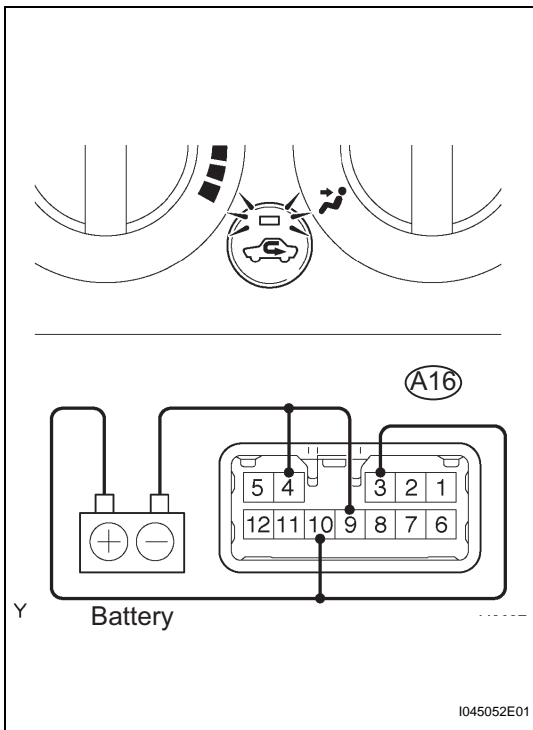
- (g) Inspect the REC indicator operation.

- (1) Connect the positive (+) lead from the battery to terminal 10 (IG) and negative (-) lead to terminal 4 (REC) and 9 (GND).
- (2) Push the REC button in and then check that the indicator lights up.

Standard:

Indicator lights up

If the result is not as specified, replace the air conditioning control assembly.

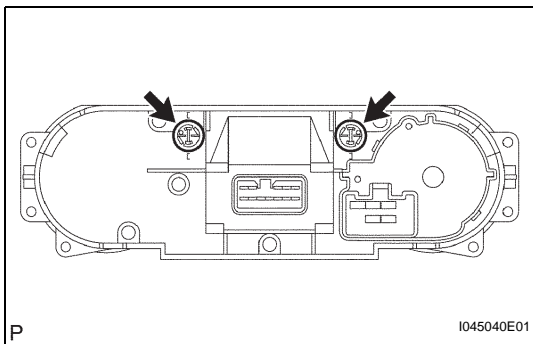


- (3) Under the above condition, connect the positive (+) lead from the battery to terminal 3 (ILL+) and then check that the indicator dims.

Standard:

Indicator dims

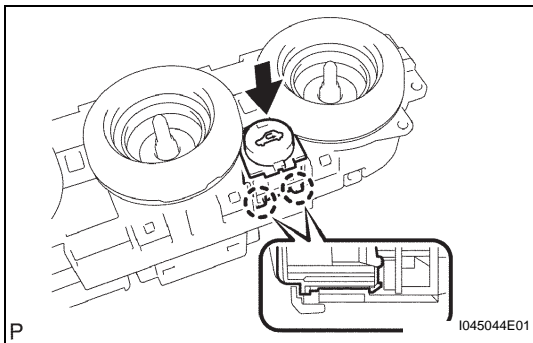
If the result is not as specified, replace the air conditioning control assembly.



REASSEMBLY

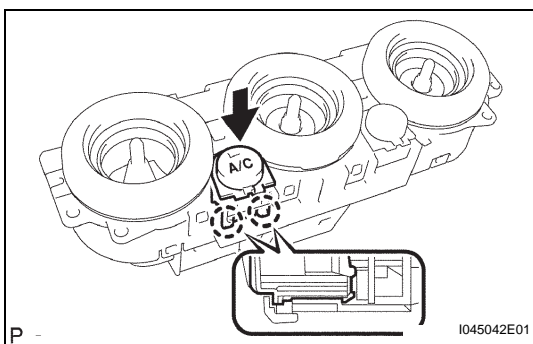
1. INSTALL BULB

- (a) Using a screwdriver, turn the 2 bulbs clockwise to install them.



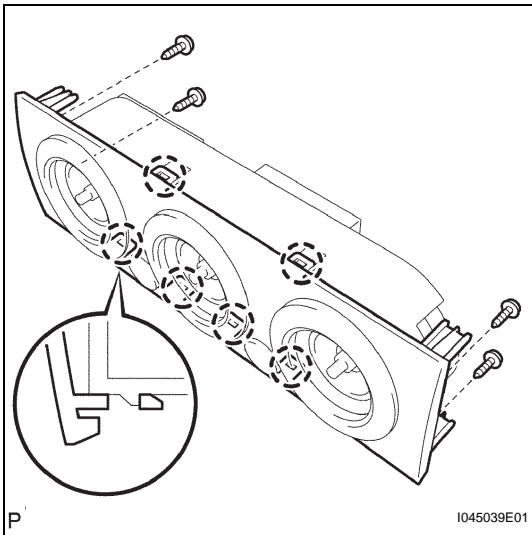
2. INSTALL REC SWITCH

- (a) Engage the 2 claws and install the REC switch.



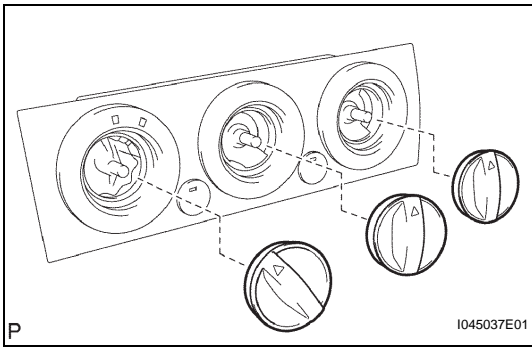
3. INSTALL A/C SWITCH

- (a) Engage the 2 claws and install the A/C switch.



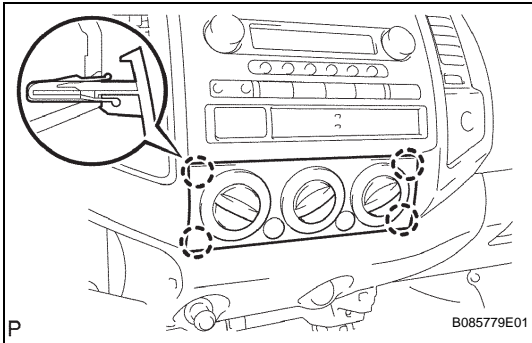
4. INSTALL HEATER CONTROL PANEL

- (a) Engage the 6 claws and install the heater control panel.
- (b) Install the 4 screws.



5. INSTALL CONTROL KNOB SUB-ASSEMBLY

- (a) Install the 3 control knob sub-assemblies.



INSTALLATION

1. INSTALL AIR CONDITIONING CONTROL ASSEMBLY

- (a) Connect the 2 connectors.
- (b) Engage the 4 clips and install the air conditioning control assembly.

2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)

NOTICE:

AC-1