
AIR CONDITIONING CONTROL ASSEMBLY (Manual A/C)

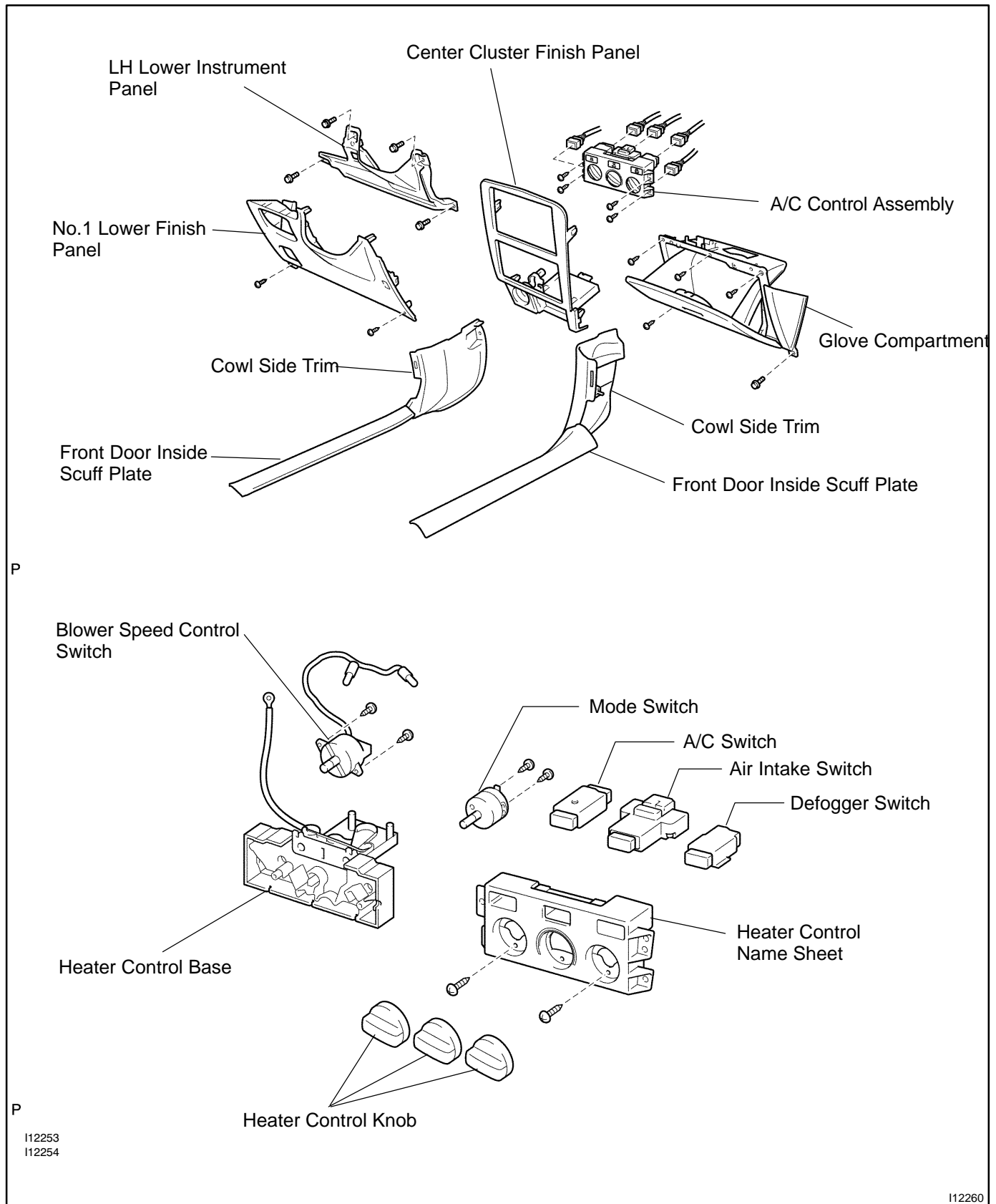
ON-VEHICLE INSPECTION

AC2CK-01

INSPECT HEATER CONTROL DIALS OPERATION

Turn the control lever and dials left and right then check that click sound can be heard and recoil is felt. If click sound can not be heard or recoil is felt, adjust the control cable or check control cable and heater control assembly.

COMPONENTS

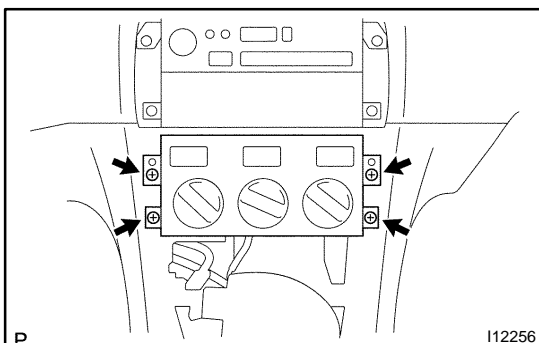
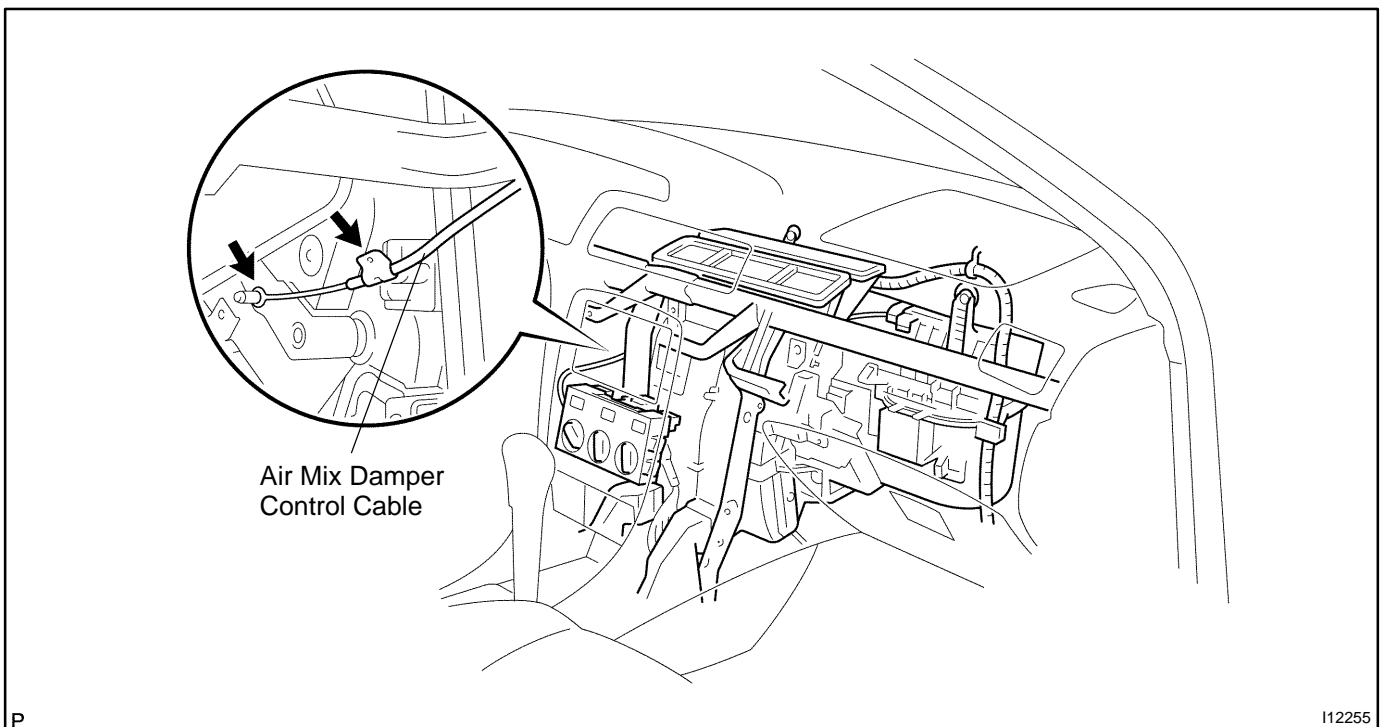


REMOVAL

1. REMOVE COWL SIDE TRIM LH AND RH
2. REMOVE FRONT DOOR INSIDE SCUFF PLATE LH AND RH
3. REMOVE NO. 2 LOWER COVER
4. REMOVE GLOVE COMPARTMENT
5. REMOVE NO. 1 LOWER INSTRUMENT PANEL
6. REMOVE LH LOWER INSTRUMENT PANEL
7. REMOVE CENTER CLUSTER FINISH PANEL
8. DISCONNECT AIR MIX DAMPER CONTROL CABLE

NOTICE:

When the air mix damper control cable is disconnected, should not bend the cable.



9. REMOVE A/C CONTROL ASSEMBLY

Remove the 4 screws and pull out the A/C control assembly, then disconnect the connector.

DISASSEMBLY

1. REMOVE A/C SWITCH, AIR INTAKE SWITCH AND DEFOGGER SWITCH

Using a screwdriver, release the claw and pull out the switch backward.

HINT:

Tape the screwdriver tip before use.

2. REMOVE HEATER CONTROL KNOBS

3. REMOVE HEATER CONTROL CABLE

4. REMOVE BLOWER SPEED CONTROL SWITCH

Remove the 2 screws and pull out the switch.

5. REMOVE MODE SWITCH

Remove the 2 screws and pull out the switch.

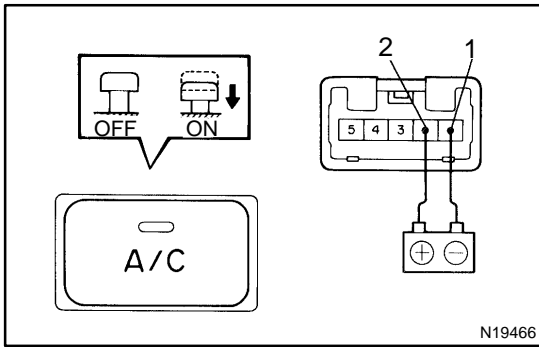
6. REMOVE HEATER CONTROL NAME SHEET

(a) Remove the 2 screws.

(b) Using a screwdriver, release the 4 claws and heater control name sheet.

HINT:

Tape the screwdriver tip before use.

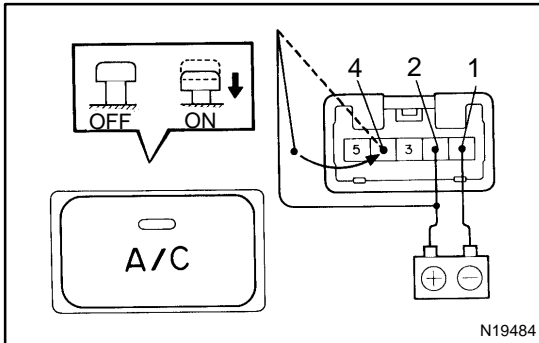


INSPECTION

1. INSPECT A/C INDICATOR OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1.
- (b) Push the A/C button in and then check that the indicator lights up.

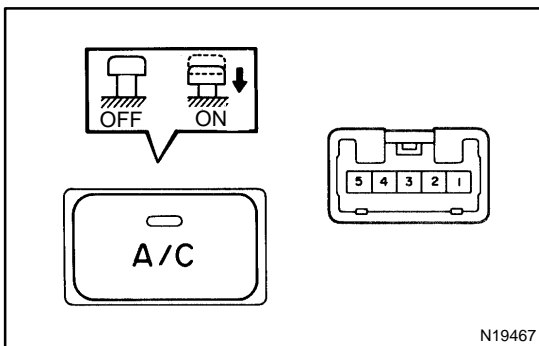
If operation is not as specified, replace the switch.



2. INSPECT DIMMING OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1 while press the switch.
- (b) Connect the positive (+) lead from battery to terminal 4 and then check that the indicator dims.

If operation is not as specified, replace the switch.



3. INSPECT A/C SWITCH CONTINUITY

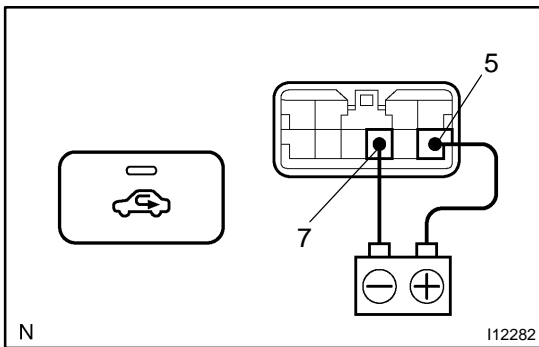
Condition/Circuit	Tester connection	Specified condition
OFF	–	No continuity
ON	2 – 5	Continuity
Illumination circuit	3 – 4	Continuity

Switch continuity:

If continuity is not as specified, replace the switch.

Illumination circuit:

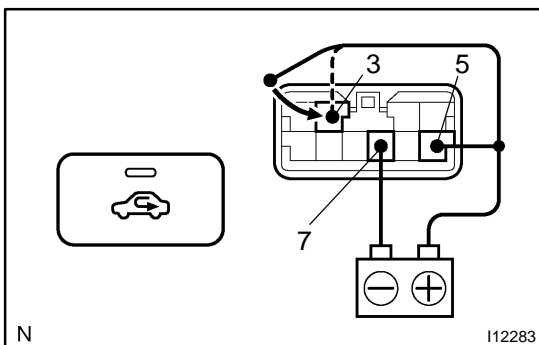
If continuity is not as specified, replace the bulb.



4. INSPECT REC INDICATOR OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 5 and the negative (-) lead to terminal 7.
- (b) Push the Air Intake button and the check that the indicator lights up.

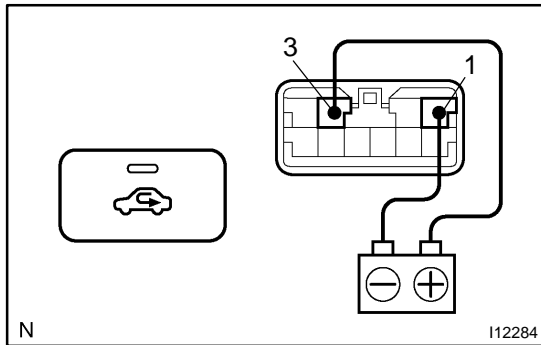
If operation is not as specified, replace the switch.



5. INSPECT DIMMING OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 5 and the negative (-) lead to terminal 7.
- (b) Push the Air Intake button, then the indicator lights up.
- (c) Connect the positive (+) lead from the battery to terminal 3 and then check that the indicator dims.

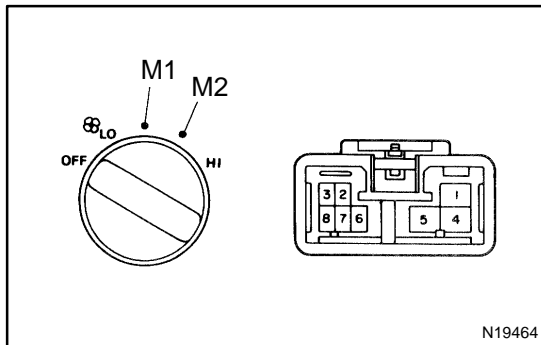
If operation is not as specified, replace the switch.



6. INSPECT REC INDICATOR OPERATION

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

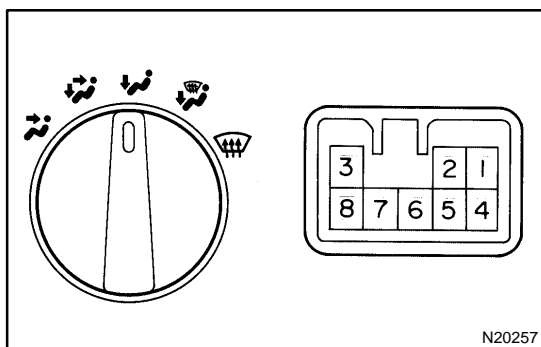
If operation is not as specified, replace the switch.



7. INSPECT BLOWER SPEED CONTROL SWITCH CONTINUITY

Position/ Circuit	Tester connection	Specified condition
OFF	–	No continuity
LO	1 – 3	Continuity
M1	1 – 3 – 4	Continuity
M2	1 – 3 – 8	Continuity
HI	1 – 3 – 5	Continuity
Illumination circuit	6 – 7	Continuity

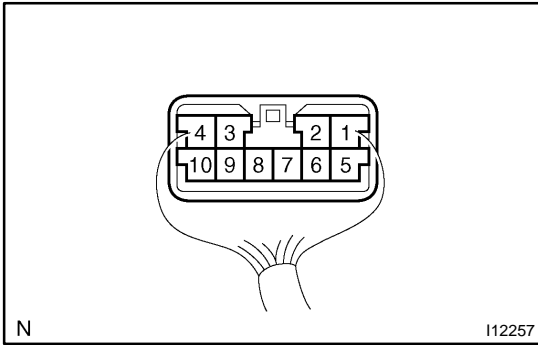
If continuity is not as specified, replace the switch.



8. INSPECT MODE SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
FACE	1 – 6	Continuity
B/L	1 – 5	Continuity
FOOT	1 – 4	Continuity
FOOT/DEF.	1 – 3	Continuity
DEF.	1 – 2 7 – 8	Continuity

If continuity is not as specified, replace the switch.



9. INSPECT AIR INTAKE SWITCH CIRCUIT

- (a) Connect the connectors to heater control assembly.
- (b) Inspect wire harness side connector from the back side, as shown in the chart.

Tester connection	Condition	Specified condition
7 – Ground	Constant	Continuity
8 – Ground	Constant	Continuity
3 – Ground	IG ON. Light control switch: TAIL	Battery positive voltage
	IG ON. Light control switch: OFF	No voltage
4 – Ground	Constant	Battery positive voltage
5 – Ground	Ignition switch: ON	Battery positive voltage
	Ignition switch: LOCK or ACC.	No voltage
2 – Ground	IG ON. Mode selector: DEF.	Below 0.3 V
	IG ON. Mode selector: Except DEF.	No voltage
6 – Ground	IG ON. Mode selector: F/D	Below 0.3 V
	IG ON. Mode selector: Except F/D	No voltage
9 – Ground	IG ON. Air intake switch: REC	Below 2.0 V
	IG ON. Air intake switch: FRS	No voltage
10 – Ground	IG ON. Air intake switch: FRS	Below 2.0 V
	IG ON. Air intake switch: REC	No voltage

If circuit is as specified, try replacing the air intake switch with a new one. If the circuit is not as specified, inspect the circuits connected to other parts.

10. INSPECT REAR DEFOGGER SWITCH OPERATION
(See page [BE-57](#))

INSTALLATION

Installation is in the reverse order of removal (See page [AC-95](#)).

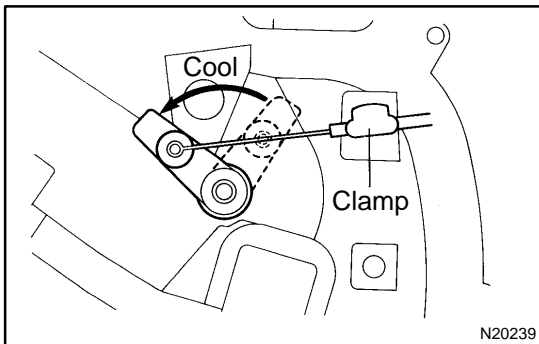
1. AFTER INSTALLATION INSPECT A/C CONTROL LEVER AND DIAL OPERATION

Move the control dial left and right and check for stiffness and binding through the full range of the dial.

If there is stiffness or binding, proceed next step.

2. ADJUST A/C CONTROL CABLE

(a) Set the temperature control dial in "MAX. COOL" position.



(b) Adjust air mix control cable.

Set the cable connector to air mix link pin on left side of A/C unit and clamp the cable outer on condition.

NOTICE:

- Don't bend the cable on setting the cable.
- Don't move the air mix nob before finishing on clamping the cable outer.