

CHAPTER SEVEN DISASSEMBLING AND INSTALLING THE EVAPORATOR

1. Appearance view of A21 evaporator



2. Necessary tools for disassembling

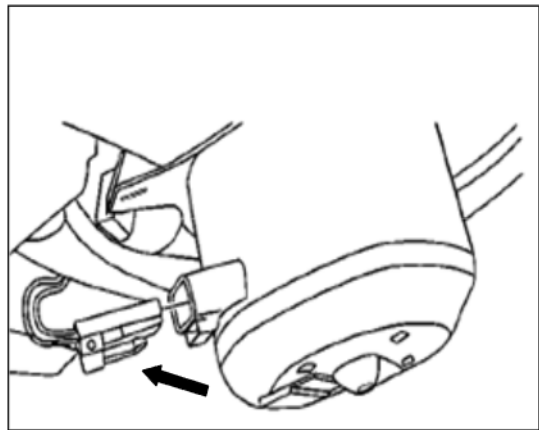
Cross screwdriver, vice, flat screwdriver, 8# socket, ratchet gear and ratchet rod.

3. Disassembling and installing the evaporator

3.1 Replacing the blower

3.1.1 Disassembling the blower

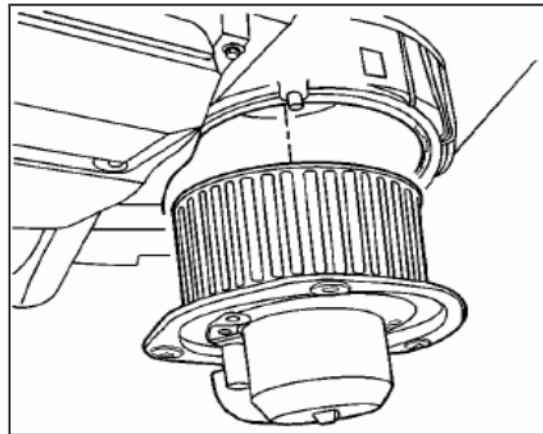
- 1) Disconnect the wire connector of the blower motor



- 2) Remove the mounting bolts for the blower motor



- 3) Pull out the blower.



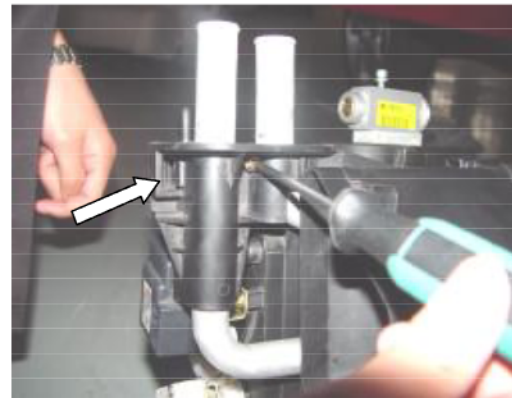
3.1.2 Installation

The installing steps are reverse to those for removal.

3.2 Replacing the heater water tank

3.2.1 Disassembling the heater water tank

- 1) Remove the bolts and clips as shown in the figure.



- 2) Pull out the heater water tank.



3.2.2 Installation procedures

The installing steps are reverse to those for removal.

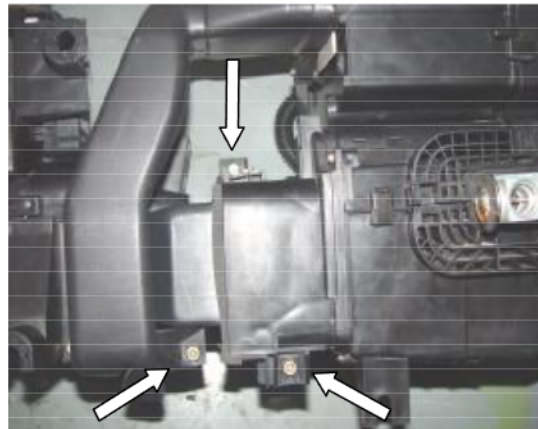
3.3 Replacing the evaporator core assembly

3.3.1 Disassembling the evaporator core assembly

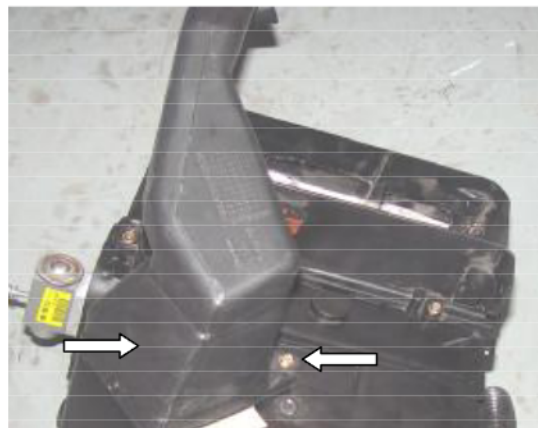
- 1) Remove the fastening bolts for the expansion valve and the evaporator core assembly with an Allen wrench.



- 2) Remove the three screws at the joint position of the blower and the evaporator housing.



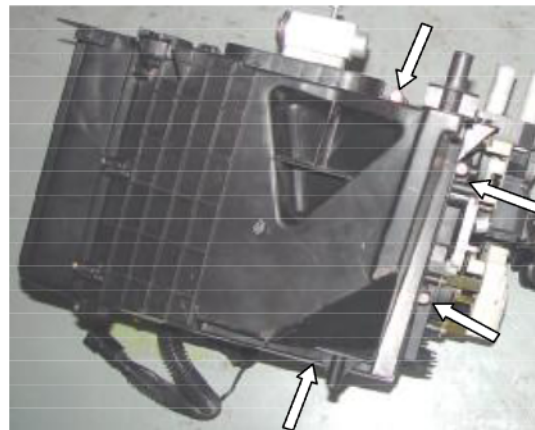
- 3) Remove the two screws on the rear vent air duct to detach the rear air duct.



- 4) Remove the screws as shown in the figure.



- 5) Remove the fastening screws on the trunk lid of the evaporator core assembly to detach the trunk lid, and then take out the evaporator core assembly.



3.3.2 Installing the evaporator core assembly

The installing steps are reverse to those for removal.

3.4 Replacing the speed regulating resistor of the blower fan

3.4.1 Disassembling the blower fan speed regulating resistor module

- 1) Unplug the plug connecting to the speed regulating resistor module.

- 2) Remove the connecting screws that attach the speed regulating resistor module to the evaporator housing, and then pull out the speed regulating resistor module.



3.4.2 Installing the speed regulating resistor of the blower fan

The installing steps are reverse to those for removal.

3.5 Replacing the mixing damper servo motor

3.5.1 Disassembling procedures

Remove the pull rod connecting with the motor and remove the fastening screws connecting the motor with the bracket (3).

3.5.2 Installation procedures

The installing steps are reverse to those for removal.



Note: After installs the motor, connect the electrical connector, turn the ignition switch to ACC position, turn on the air conditioner (AC) and turn the AC temperature adjusting knob to HOTTEST or COLDEST, and close the AC panel until the motor stops. Adjust the mixing damper manually to HOTTEST or COLDEST position according to the status, and then adjust the pull rod to a proper position to connect with the motor.

3.6 Replacing the mode damper servo motor

3.6.1 Disassembling procedures

Remove the pull rod connecting with the motor and remove the fastening screws connecting the motor with the bracket (3).

3.6.2 Installation procedures

The installing steps are reverse to those for removal.

Note: After installs the motor, connect the electrical connector, turn the ignition switch to ACC position, turn on AC and adjust its BLOW mode to FACE mode, and then close the AC panel until the motor stops. Adjust the mode damper manually to a required position according to the status, and then adjust the pull rod to a proper position to connect with the motor.



3.7 Replacing the inner and outer cycling servo motor

3.7.1 Disassembling procedures

Remove the pull rod connecting with the motor and remove the fastening screws connecting the motor with the bracket (3).

3.7.2 Installation procedures

The installing steps are reverse to those for removal.

Note: After installs the motor, connect the electrical connector, turn the ignition switch to IGN position, turn on the AC and adjust it to inner cycling or outer cycling mode, and then close the AC panel until the motor stops. Adjust the mode damper manually to a required position according to the status, and then adjust the pull rod to a proper position to connect with the motor.



3.8 Replacing the indoor temperature sensor

3.8.1 Disassembling procedures

Disconnect the plug in unit of the sensor harness, remove the connecting screw that attach the hose to the housing and remove the hose, replace it.

3.8.2 Installation procedures

The installing steps are reverse to those for removal.

