

## PARTS PACKING LIST

Evaporator Coil Assembly  
Case cover piece  
Switch assembly  
Hardware Package

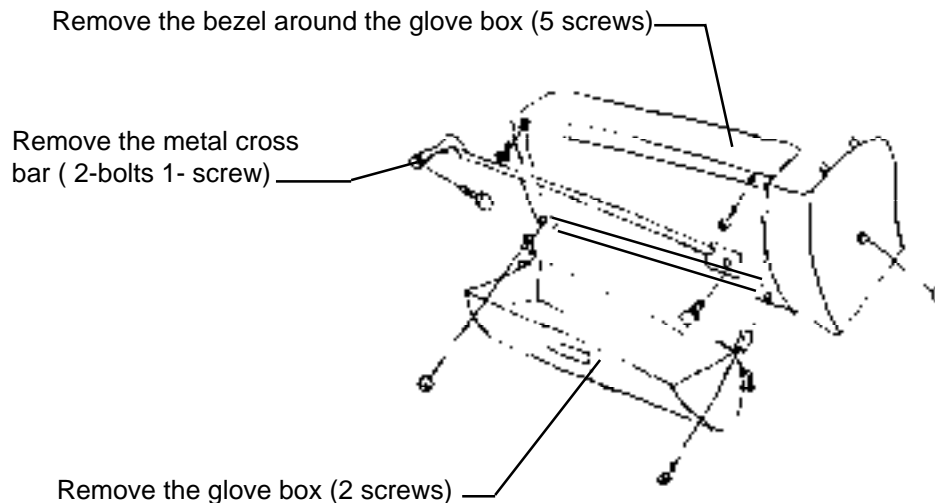


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# 16120 KIA Sportage

## EVAPORATOR INSTALLATION INSTRUCTIONS

1. Disconnect the battery cables and remove the battery hold down bracket. Remove the battery from the vehicle.
2. Remove the glove box assembly. (2 phillips drive screws)
3. Remove the 5 screws retaining the bezel around the glove box.  
Note: Snap clip on the side part.
4. Remove the metal cross support bracket.  
1- Phillips screw on the lower left side of the glove box opening.  
1- 6mm bolt on the right side.  
1- 6mm bolt behind the center plastic cover.



5. To remove the blower- A/C case from the vehicle, disconnect the harness plug to the blower motor/resistor block. Disconnect the fresh air/ rec cable. The assembly is secured with 2- hex bolts on the top and 2-nuts on the lower side. Pull the assembly off the firewall. Remove the 90° rubber drain boot for easier reinstallation of the case. The drain boot can be reinstalled in the engine compartment later.

6. Place the case assembly on the bench. Remove the snap clips around the case and separate the case.

7. The bottom of the case needs to be modified. Cut the section out using a diegrinder cutoff wheel. Remove the resistor block for easier cutting.  
**In later models, the filler piece does not fit.** In these models, it is necessary to use a heat gun to soften the bottom of the case and press the evap core into the plastic while still hot, molding the plastic to the outlet tubes. Be careful not to hold the heat gun in one position for too long or the plastic will melt, creating a hole.

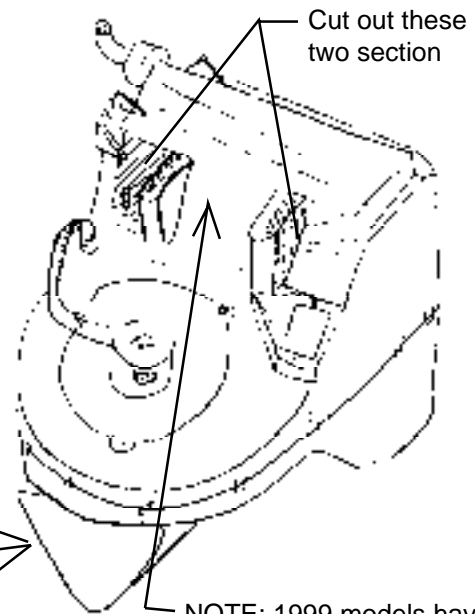
8. Place the plastic filler piece into position and use the silicone adhesive to secure to the case and attach with 2-screws. On the inside of the case, use silicone rubber to seal all gaps to prevent water leakage. Reinstall the resistor block assembly.

9. On the top section drill a 3/16" hole through the case as shown. Mount the thermostat on the two bosses direct in front of the recirculation opening.

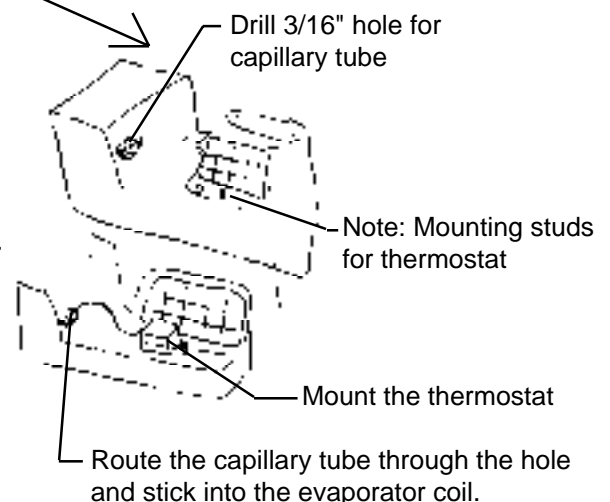
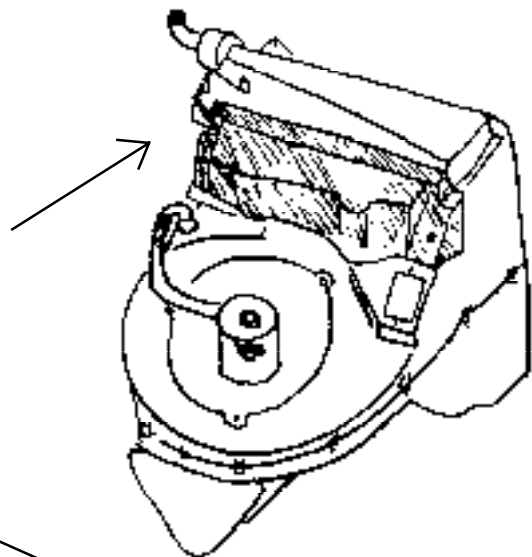
10. After inserting the thermostat capillary tube into the evaporator coil just above the inlet manifold (expansion valve manifold), assemble the case back together.

11. Install the 3 foam gaskets on top of one another over the refrigerant manifold tubes. On **1999** models, use only one gasket.

12. Reinstall the case assembly back into the vehicle. Route the black wire from the thermostat out through the firewall with the refrigerant manifold tubes. Secure the case back into position. In the engine compartment, reattach the rubber 90° drain fitting.



NOTE: 1999 models have a slightly different bottom.



**13. Installation of the A/C switch:**

Remove the ash tray and remove the two screws securing the center bezel panel. Remove the bezel /center louver from around the radio and heater panel. Snap clip above the center louvers.

14. Remove the 4 screws that retain the heater control panel.

15. Pull the heater panel outwards and remove the screw retaining the A/C switch plastic plug. Drill out the plug and install the A/C switch into the assembly. Reinstall the plug with the A/C switch back into the heater panel. Resecure the heater panel and bezel assembly.

16. Ground the short black wire with the eyelet to a body ground above the A/C case assembly. Attach the long black wire to the open terminal of the thermostat mounted on the blower case. Route the fused wire towards the blower motor wires. Using a yellow t-tap-splice into the BLUE wire of the blower motor wires. (This is a 12v Ign power supply.) Reinstall the metal cross support, glove box bezel and the glove box.

Snap in clips around the top edge.

1. Remove the center bezel.

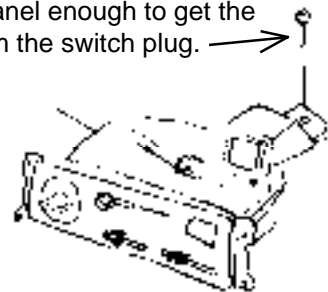


Remove the ash tray and 2- screws securing the lower section of the bezel.

2. Remove the 4- screws securing the heater control panel.



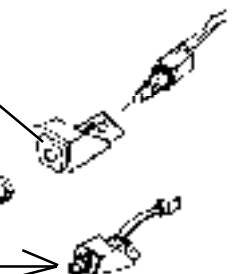
3. Pull out the control panel enough to get the mounting screw out from the switch plug.



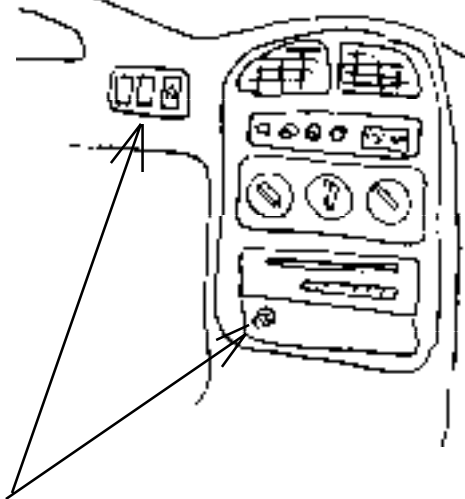
4. Drill out the plug from the A/C switch.

5. Install the A/C switch securing with the plastic ring nut.

6. Reinstall the switch into the control panel and secure with the screw removed.



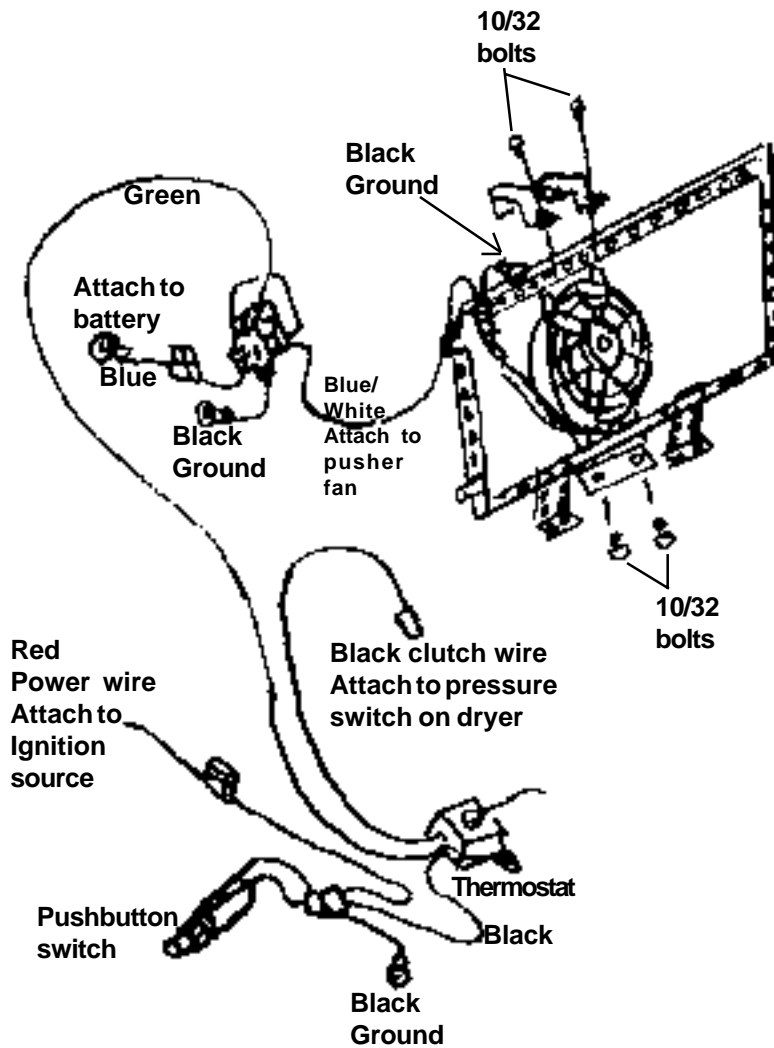
**1999 models**



Note: Placement of the A/C switch. Drill hole and mount below the radio or install in one of the knock-out switch covers near the steering column

## PUSHER FAN INSTALLATION

1. Mount relay near the battery. Attach the green wire to the green wire from the thermostat. Attach the blue power wire directly to the battery. Ground the black wire with eyelet on the pushbutton switch, relay and fan harness to a good metal ground. Attach the fan to the condenser with supplied fan brackets with 10/32 x 1/2" bolts.



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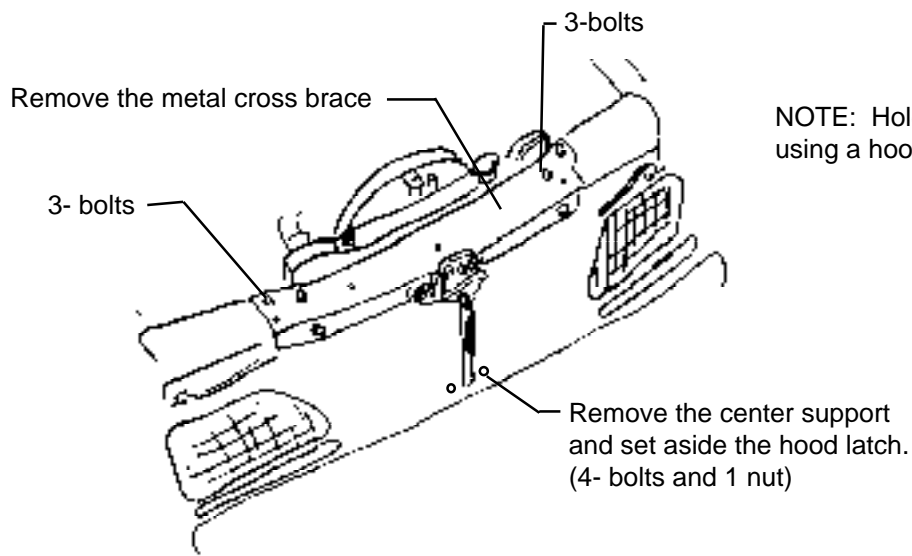
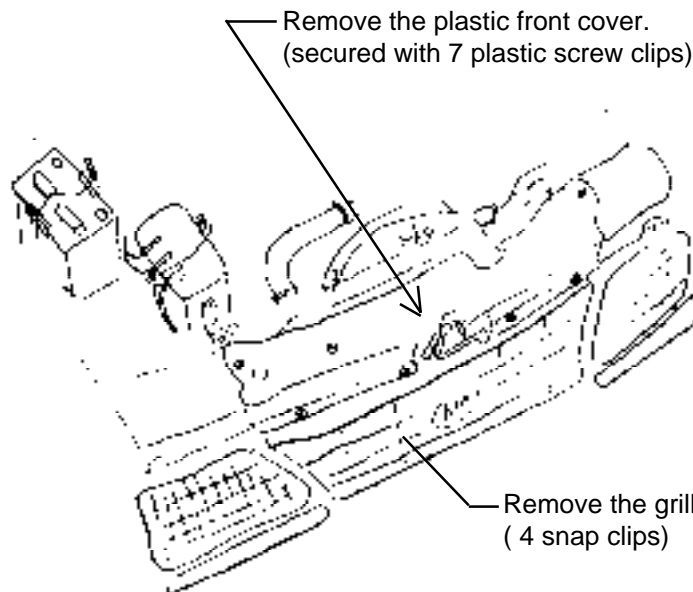
14x20 Narrow MFC Condenser  
Dryer / Pressure switch  
Hardware Kit  
Hose Kit

# 16120B KIA Sportage

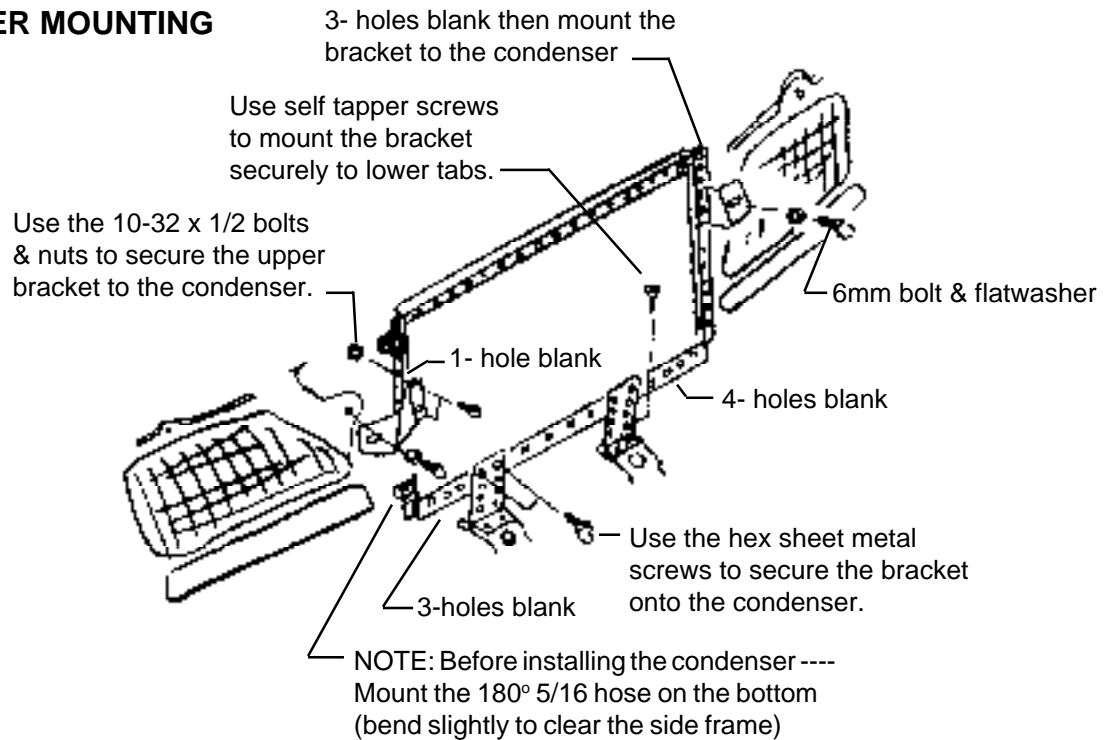


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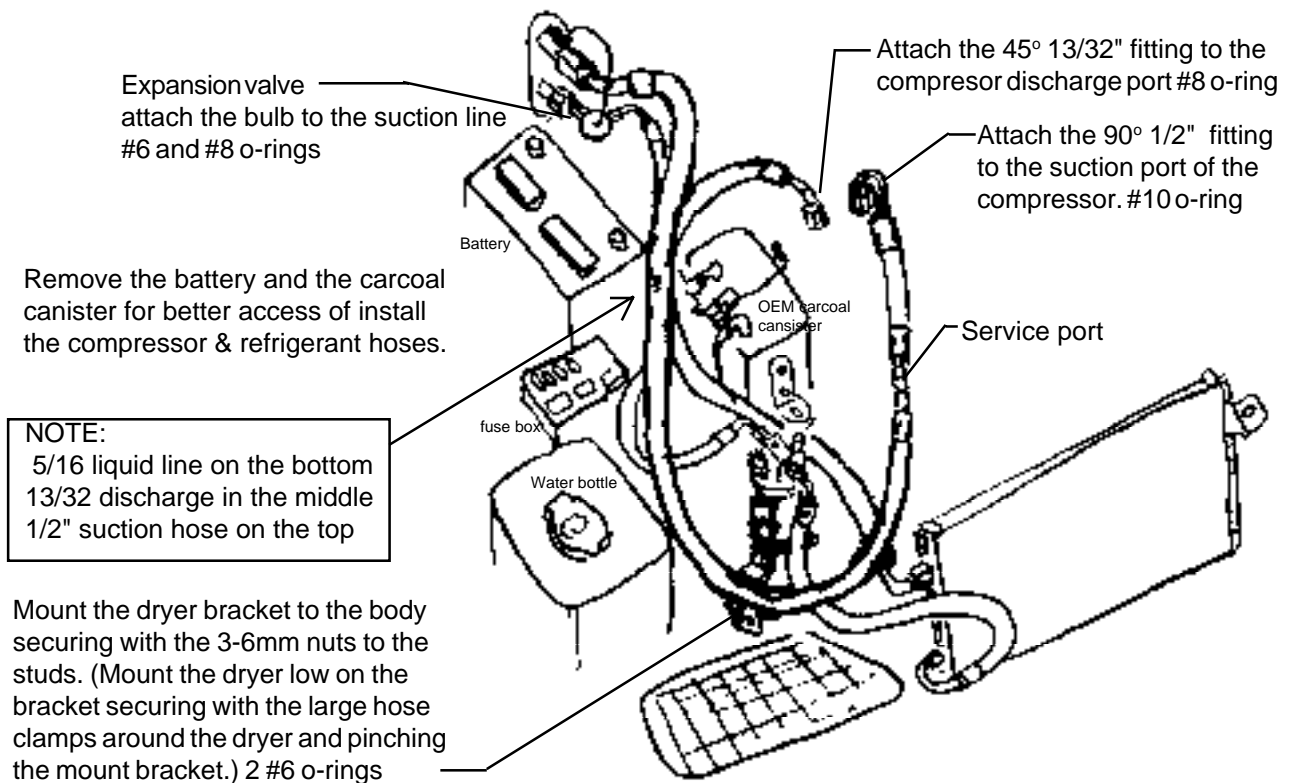
## CONDENSER INSTALLATION INSTRUCTIONS



## CONDENSER MOUNTING



## HOSE ROUTING



## WIRING NOTE

Route the black wire from the thermostat to the pressure switch on the dryer then onto the A/C compressor clutch.

**Evacuate system for 1 hour then charge system with 24 oz off R134A refrigerant.**