

INSTALLATION INSTRUCTIONS

WHITE 2-85 / 2-105

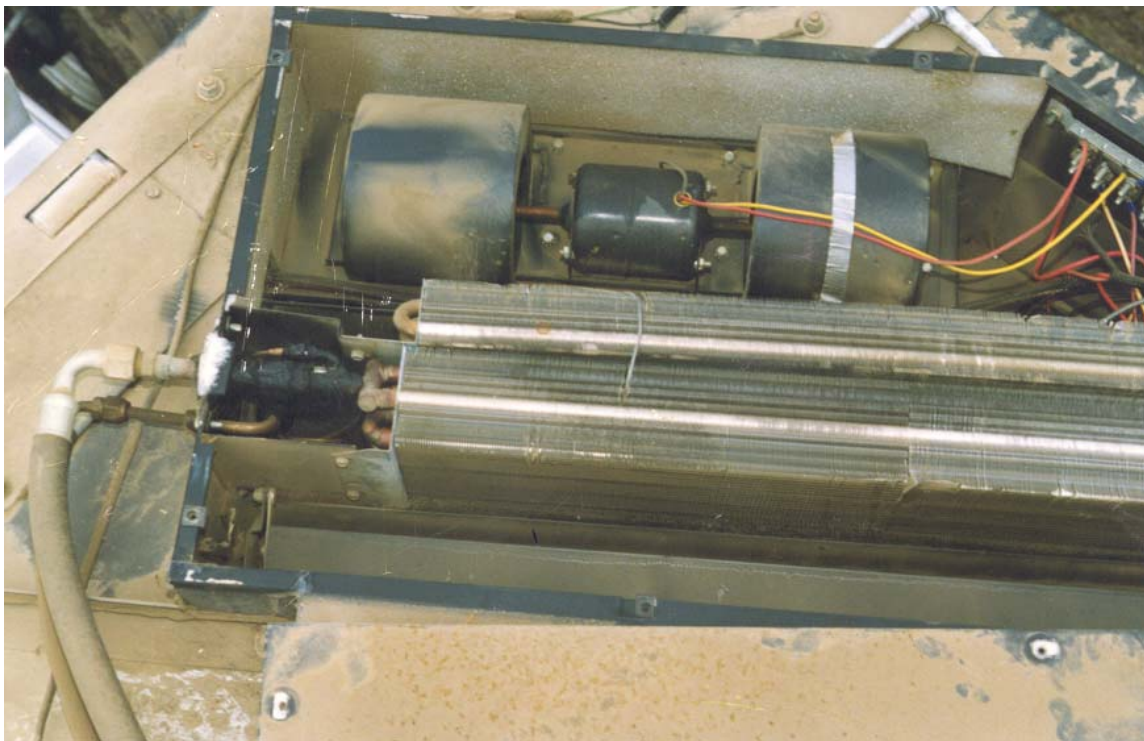
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Fax 1-519-485-3745 or 1-888-267-3745

EVAPORATOR

The evaporator is designed to mount in the factory location.

1. Open the roof of the tractor to access the heater/evaporator box.
2. Remove the lid to the heater box.
3. Slide the evaporator assembly (with expansion valve) alongside the heater. Loosen the bolts holding the heater coil in and the flanges of the evaporator coil will slide between the heater coil flanges and the mounting brackets.
4. Install 2 strips of 1" x 1" self-adhesive foam onto the top of the evaporator.
5. The front drain tube is usually factory installed. If it is missing or damaged, install the tube supplied through the factory holes. The rear drain tube runs out of the cab and loops down the right rear column. Drain tube clamps and 90o elbows have been provided.



Evaporator in place (factory set-up just showing typical location).

COMPRESSOR:

The compressor is mounted on the left side of the engine near the top.

1. The compressor mount bolts to the two 7/16" fine thread bolt holes located near the engine thermostat housing. (see picture below)
2. Mount the compressor on the integrated adjuster ears on the mount and fasten with the hardware provided.
3. Install the compressor drive belt and tension properly.

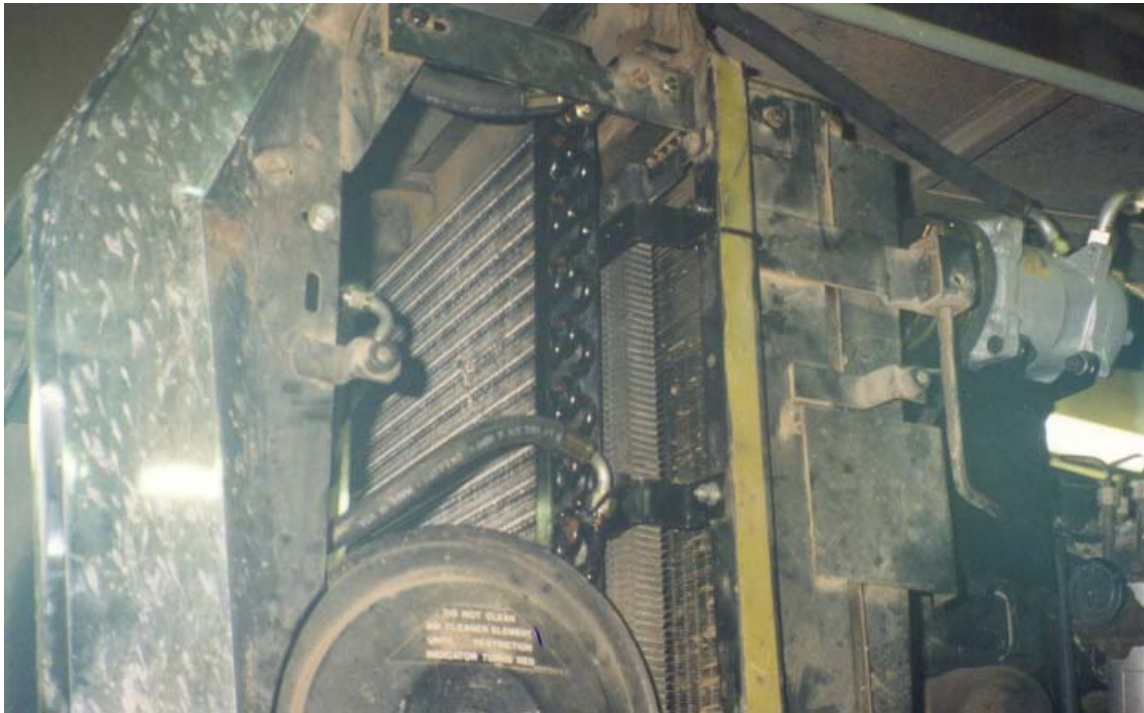


Compressor and mount in place on engine.

CONDENSER:

The condenser mounts in front of the radiator and oil cooler.

1. Slide the condenser and frame assembly across in front of the radiator and oil cooler. If the mounting holes on the flanges don't match up with any existing holes, then mark and drill for 5/16" bolts.
2. The flanges on the condenser may need to be cut down in length since there is more than one possible configuration for the front end of the tractor.
3. Mount using the hardware provided in the kit.



Condenser assembly in place.

RECEIVER DRIER:

The drier is mounted in front of the condenser assembly.

1. Mount the drier bracket to the side of the front grill frame using the 3/8" hardware provided.
2. The drier is gear clamped to the bracket using the two #48 gear clamps.
3. The 'INLET' fitting on the drier points toward the condenser.



Drier in position in front of condenser.

THERMOSTAT:

The thermostat is located on the control panel in the cab above and to the right of the operator. There may or may not be a pre-drilled hole for the thermostat. If there is a factory location, remove the plug and install the thermostat from the back of the panel and secure in place with the supplied mounting nut. If no hole is present, drill a 7/16" hole and mount the thermostat.

Route the thermostat probe up into the heater box and insert into the evaporator coil. The probe should be inserted approximately 7" from the fitting end and approximately 4" to 5" into the coil.



Control panel.

HOSES:

Hoses are routed as follows.

5/16" Condenser to Drier

From the lower fitting on the condenser to the inlet fitting of the drier. One end is pre-crimped and the other end is left open to cut to length and crimp on the appropriate fitting.

5/16" Drier to Evaporator

From the outlet of the drier connect the pre-crimped 90o fitting and run the hose down beside the radiator frame and along the side of the engine. Follow back underneath the cab and up the rear left hand column. The hose then loops around and into the heater box where it is then cut to length and the appropriate fitting is crimped on.

13/32" Compressor to Condenser

The hose runs from the discharge fitting on the compressor rotolock and to the top fitting on the condenser. The compressor end fitting is pre-crimped with the 134a port in place. Cut to length and crimp on the appropriate fitting at the condenser.

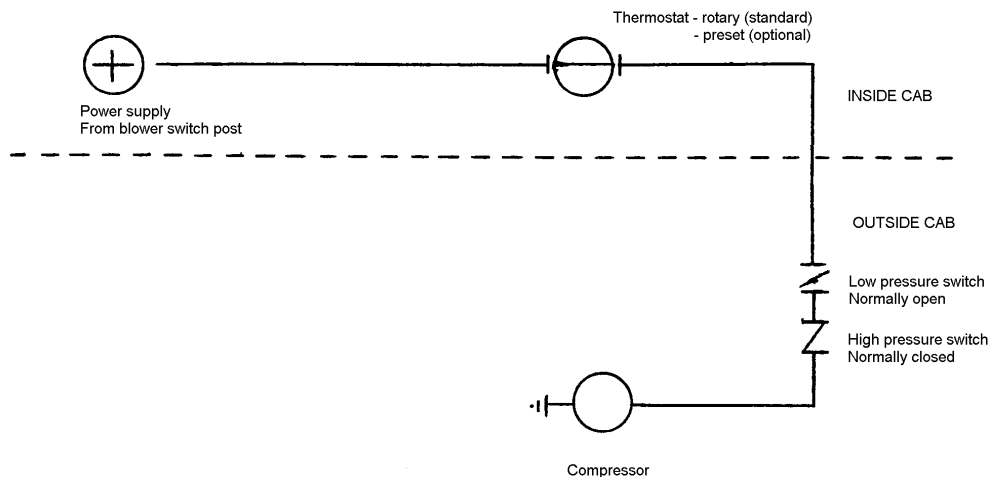
1/2" Compressor to Evaporator

The hose runs from the suction rotolock of the compressor to the back of the cab along with the 5/16" hose up into the roofline of the cab. Cut to length in the same manner as the 5/16" hose and crimp on the appropriate fitting. The compressor fitting is pre-crimped with the 134a charging port in place.

ELECTRICAL:

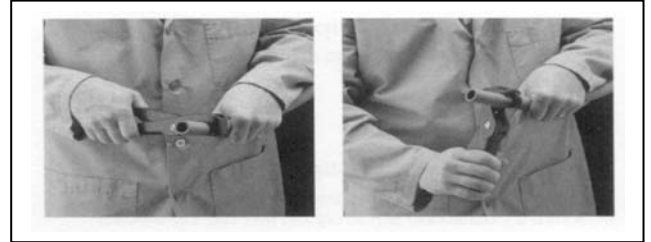
The electrical assembly is very straight forward and can be easily accomplished by following the wiring diagram.

From the blower switch connect a 14ga black wire to the clutch terminal (marked with a C). Run this wire to the thermostat and connect to one of the terminals. From the other terminal of the thermostat run a wire down along with the hoses out of the cab. Run the wire up to the compressor with the suction line and connect to the pressure switches in series and then to the compressor.

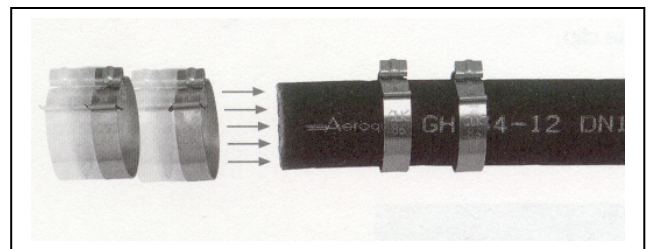


Aeroquip E-Z Clip Assembly Instructions

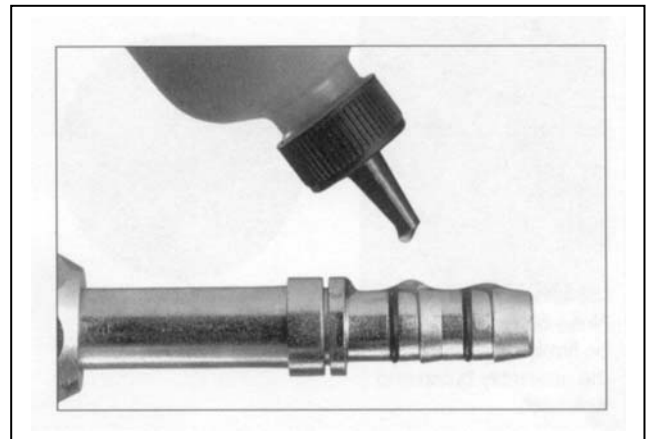
Step 1. Cut the hose to proper length with an appropriate cutting tool. Aeroquip's hand held hose cutter has been specially designed for cutting all non-wire reinforced hose, such as GH-134 Multi-Refrigerant hose. Be sure the cut is made square to the hose length.



Step 2. Install two proper-sized clips onto the cut end of the hose. Orientation of the clips does not affect the performance of the connection. However, for ease of assembly, both clips should have the same orientation. NOTE: Failure to slide the clips over the hose at this time will require the clips to be stretched over the hose or fitting later. This may permanently damage the clip.



Step 3. Lubricate the nipple with a generous amount of the refrigeration or A/C system's compressor lubricating oil. This MUST be done to lower the force of nipple insertion.



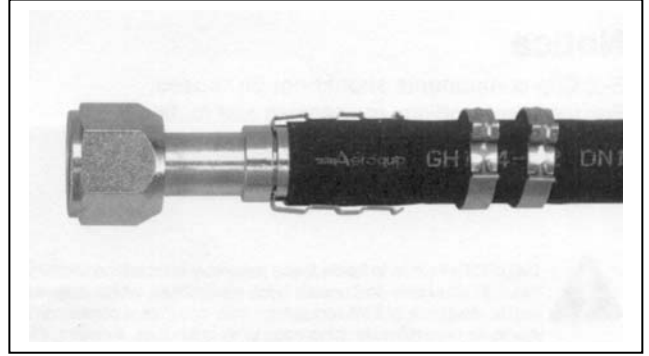
Step 4. Insert the nipple into the hose. To ensure that the nipple is fully inserted, check the gap between the cut end of the hose and the shoulder on the nipple. Care should be taken to avoid kinking or other damage to the hose during nipple insertion. NOTE: Be sure to wipe excess oil from the nipple and hose.



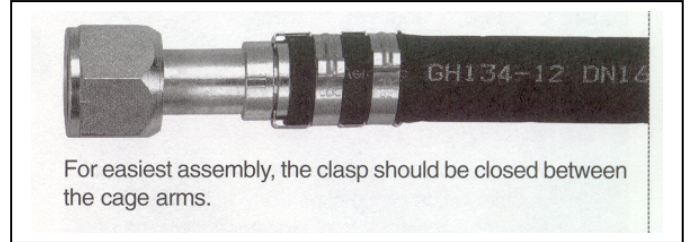
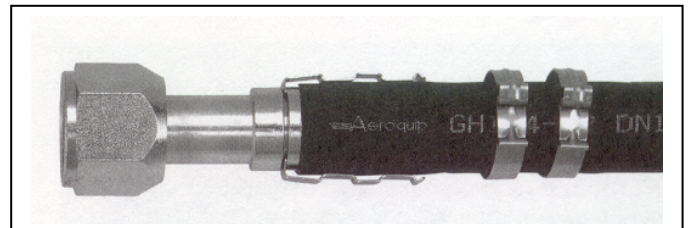
Step 5. Snap the cage into the groove on the nipple. The arms should extend over the hose length. When the cage has been correctly installed in the cage groove, the cage will be able to rotate in the groove.

This step **MUST** be performed to ensure:

1. The clips will be located over the O-rings on the nipple.
2. The connection will be compatible with the connection's pressure rating.



Step 6. Slide the clips over the cage arms and into the channels on each arm.



Step 7. Use the pliers to close the clips. The pliers should be positioned squarely on the clip connection points and should remain square during the closing of the clip.

NOTICE: E-Z Clip components should not be reused.

