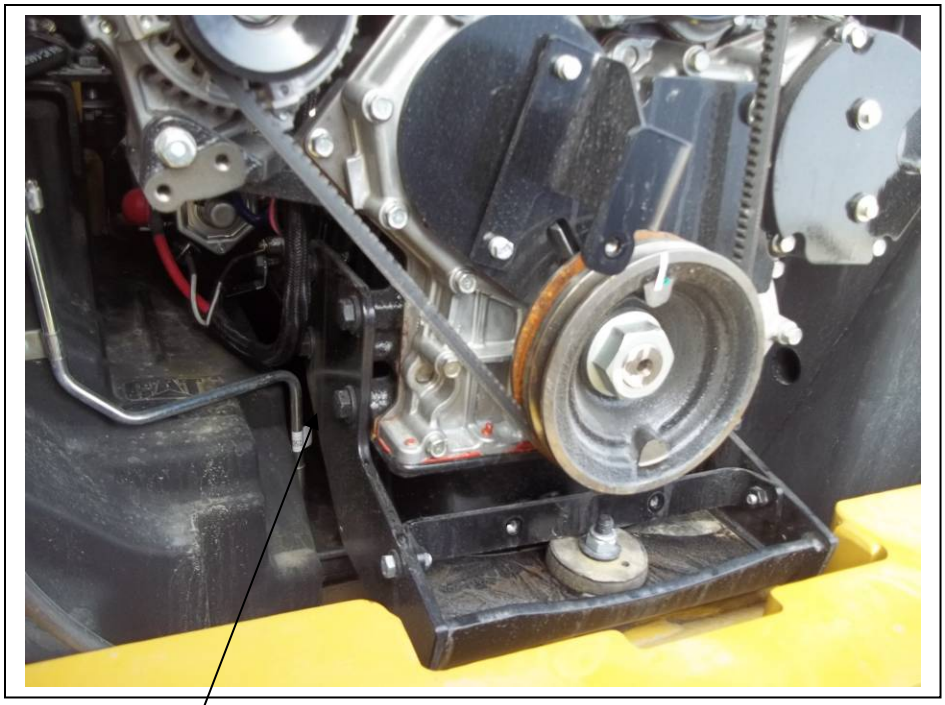
CAT 262C
SKID STEER
INSTALLATION INSTRUCTIONS

ARCTIC WOLF ™
BY HAMMOND AIR CONDITIONING LTD.

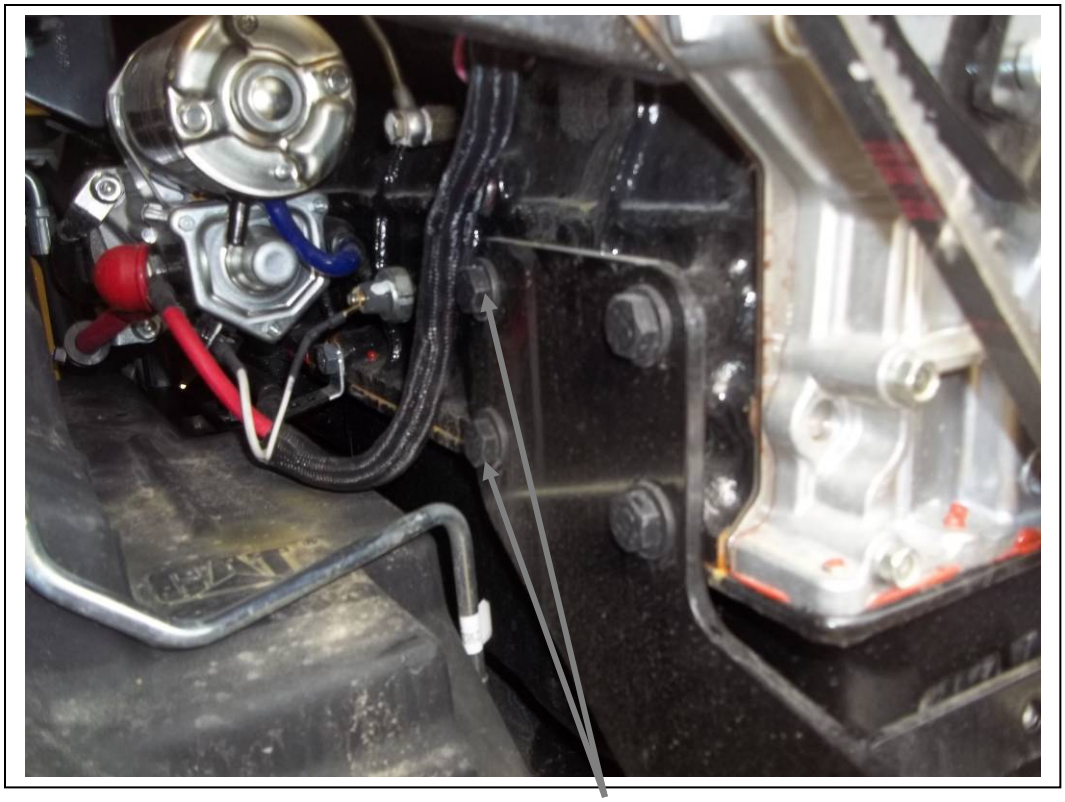
PHONE: (519) 485-5961 OR 1-800-267-2665
FAX: (519) 485-3745 OR 1-888-267-3745

COMPRESSOR

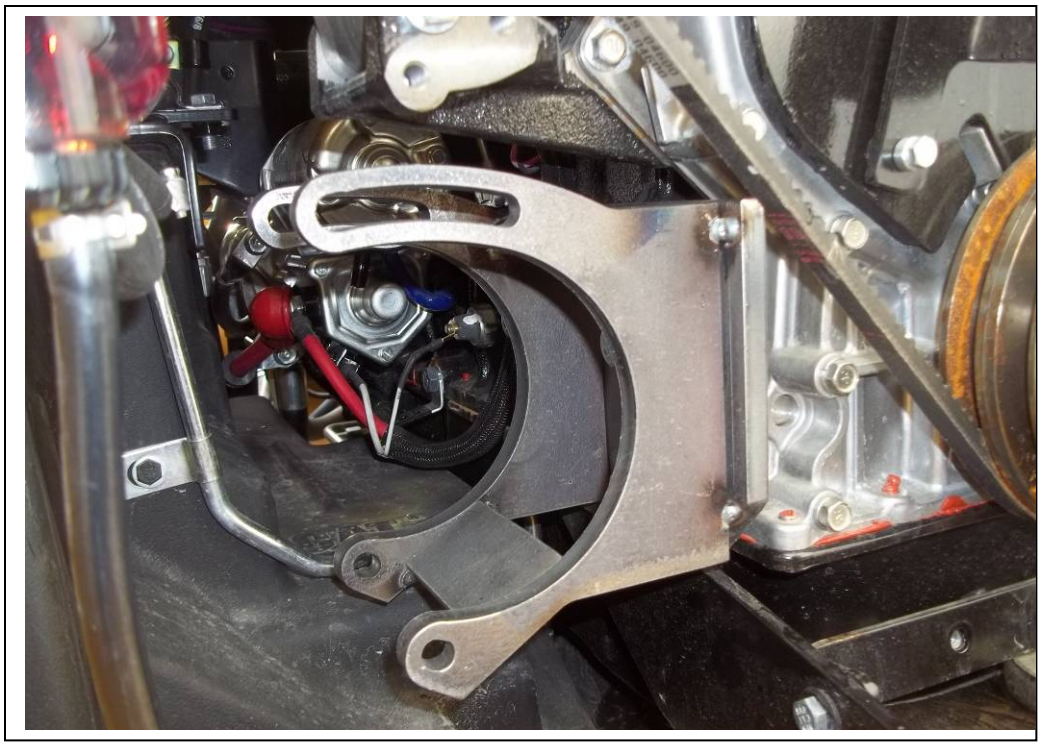
Remove plastic cover to get access to belt area and front of compressor will be mounted



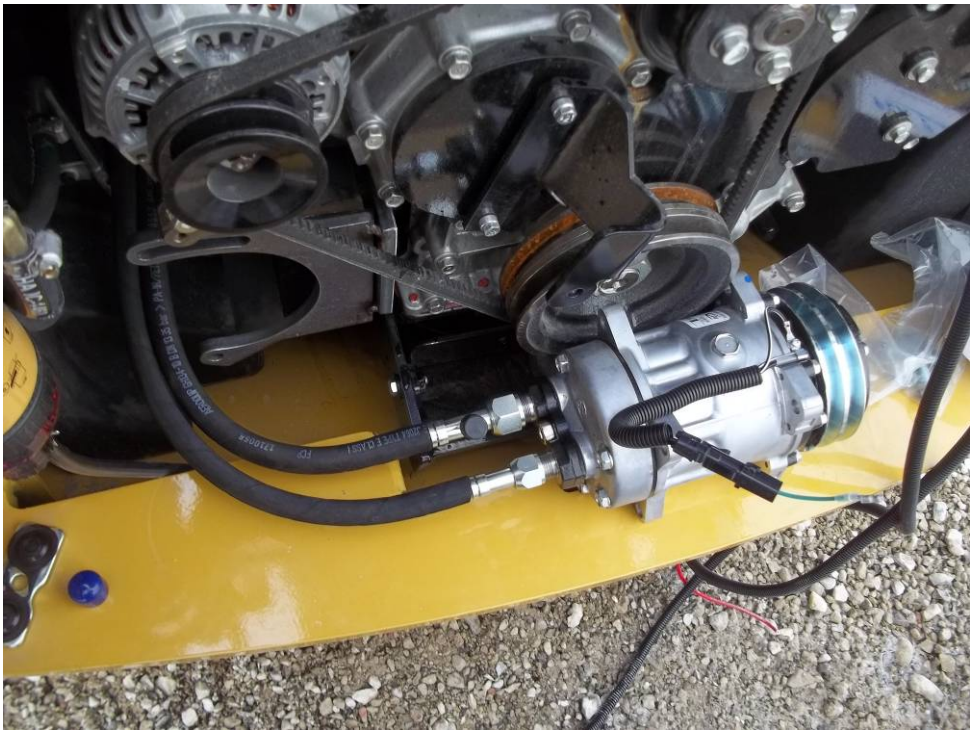
Compressor mount will go here. Remove first the two rear mount bolts and install longer bolts provided. Do not tighten.



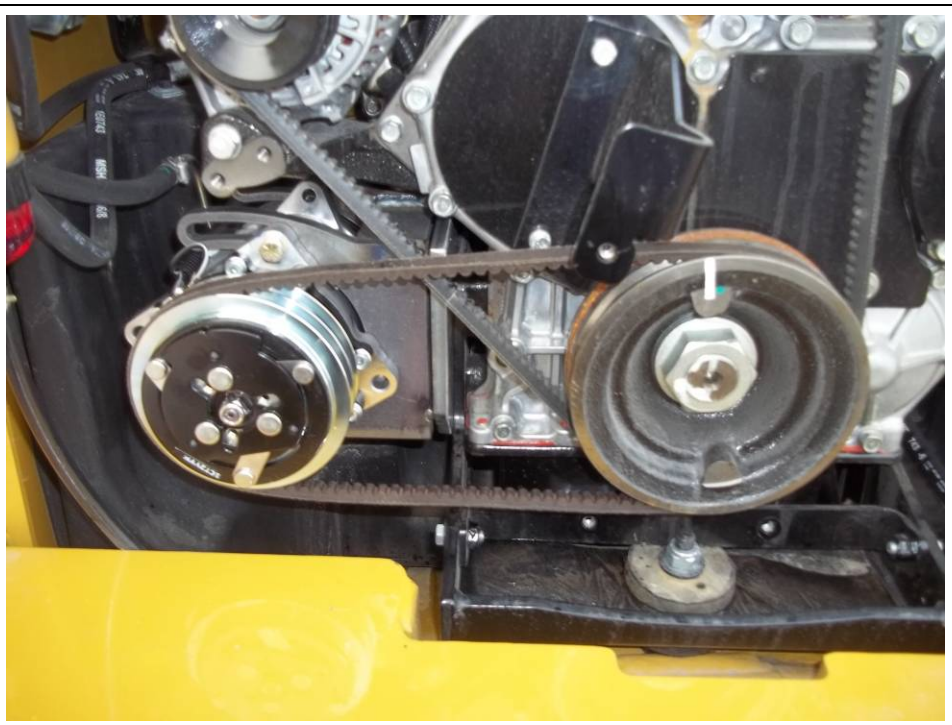
Remove these two bolts first and install (loose) the provided bolts. Them remove the front two bolts. This keeps the engine from falling and allow the mount to slide behind bolts.



Install compressor mount as shown and tighten all four bolts.



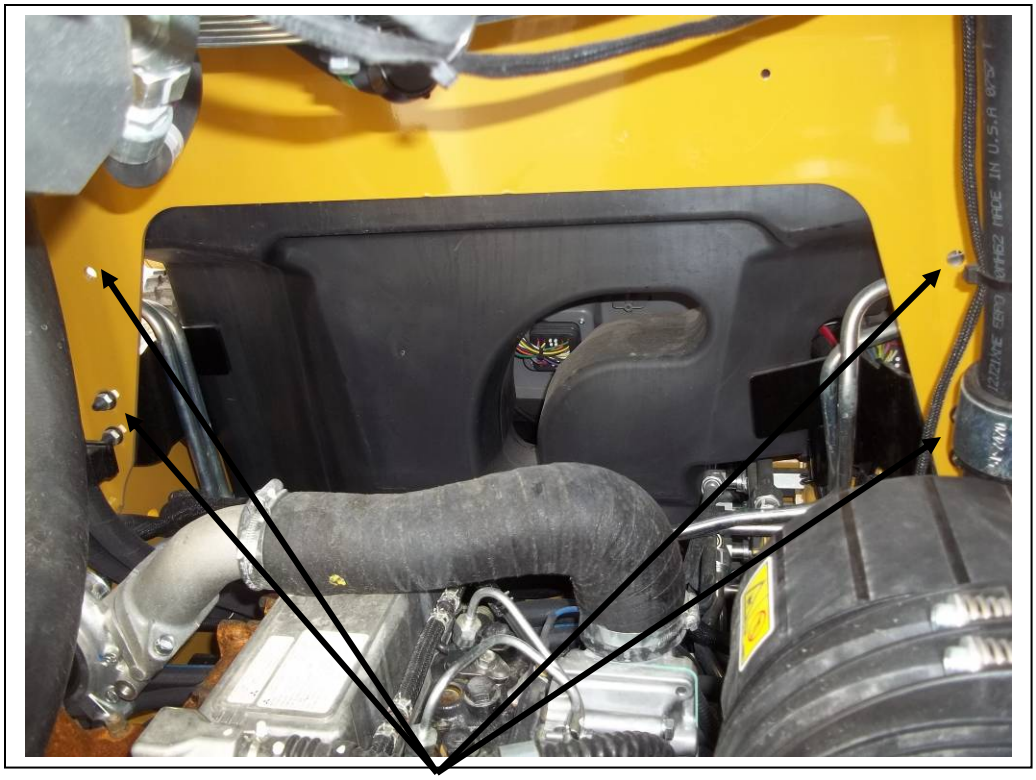
Prepare the compressor prior to sliding in back into the mount by installing the hoses and O-rings and tightening up the fittings.



Now install the compressor into the mount with the hardware provided. Install the belt. Check alignment and then tighten the compressor and belt.

CONDENSER

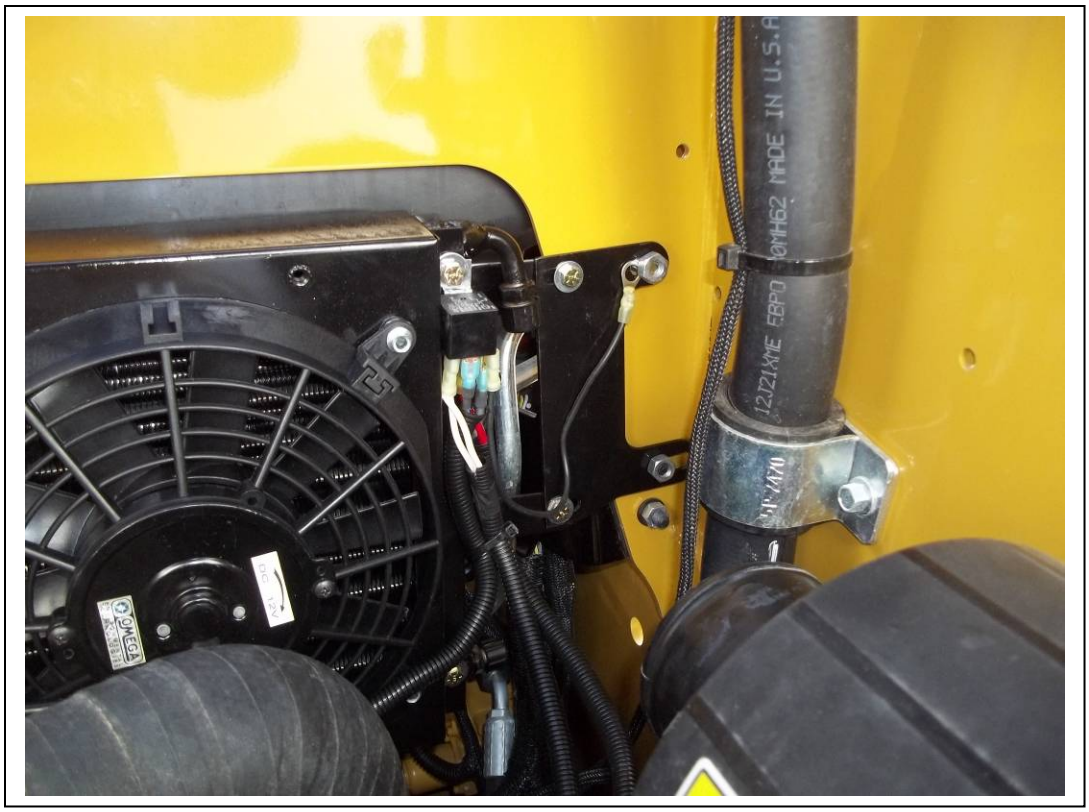
Easy access to the condenser mounting location can be gained by temporarily removing the air intake pipe.



The condenser brackets will fasten to these four places using the M10 hardware supplied.

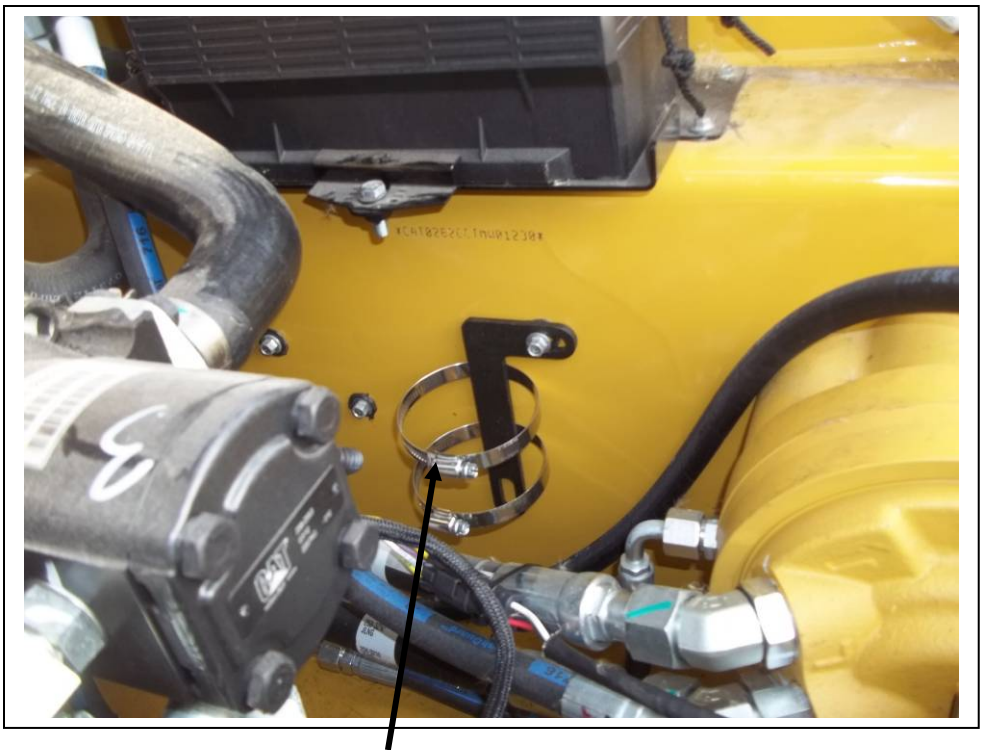
Lift condenser into place with end brackets already attached as shown.

Install mounting hardware at both ends.



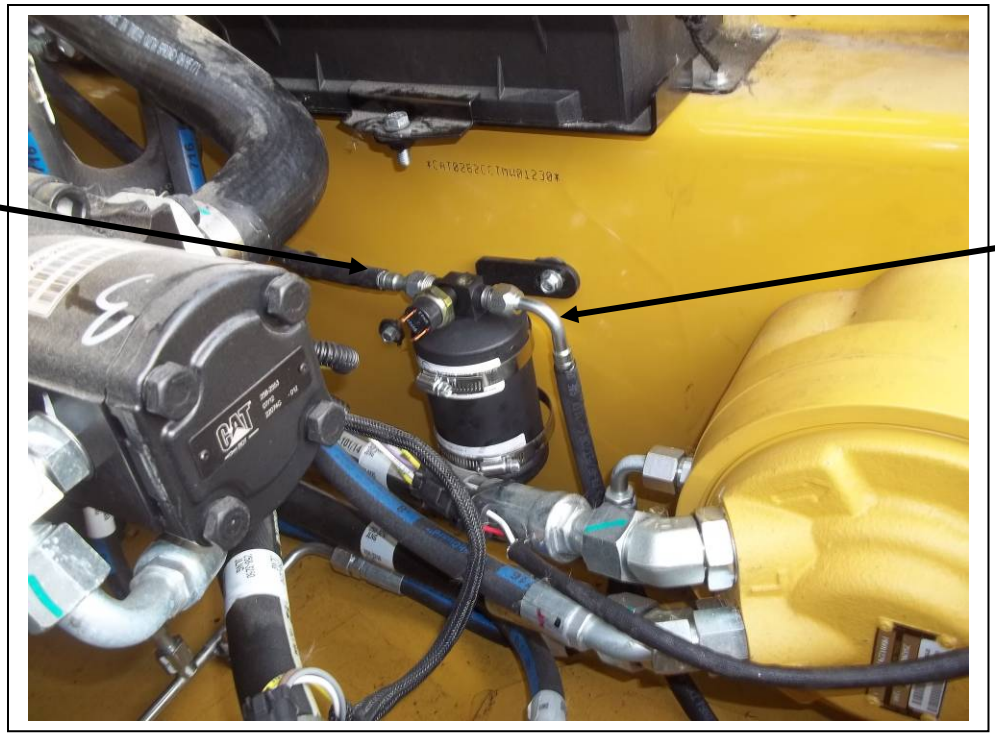
Good spot for the ground wire while installing the condenser bolts. Then straighten and tighten all bolts.

RECEIVER DRIER



With the cab flipped open the drier bracket mounts directly below the battery using the existing hardware.

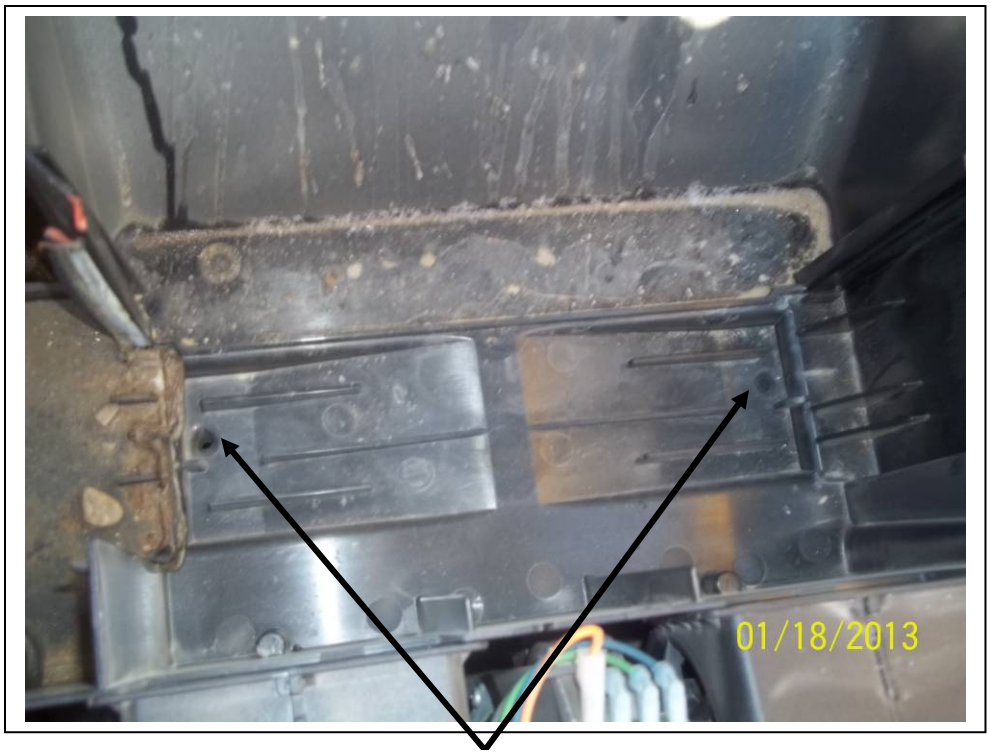
Hose to condenser



Hose to evaporator

Tighten the drier into the bracket. Connect the hoses as shown. Be sure to lightly oil the O rings prior to installations

EVAPORATOR

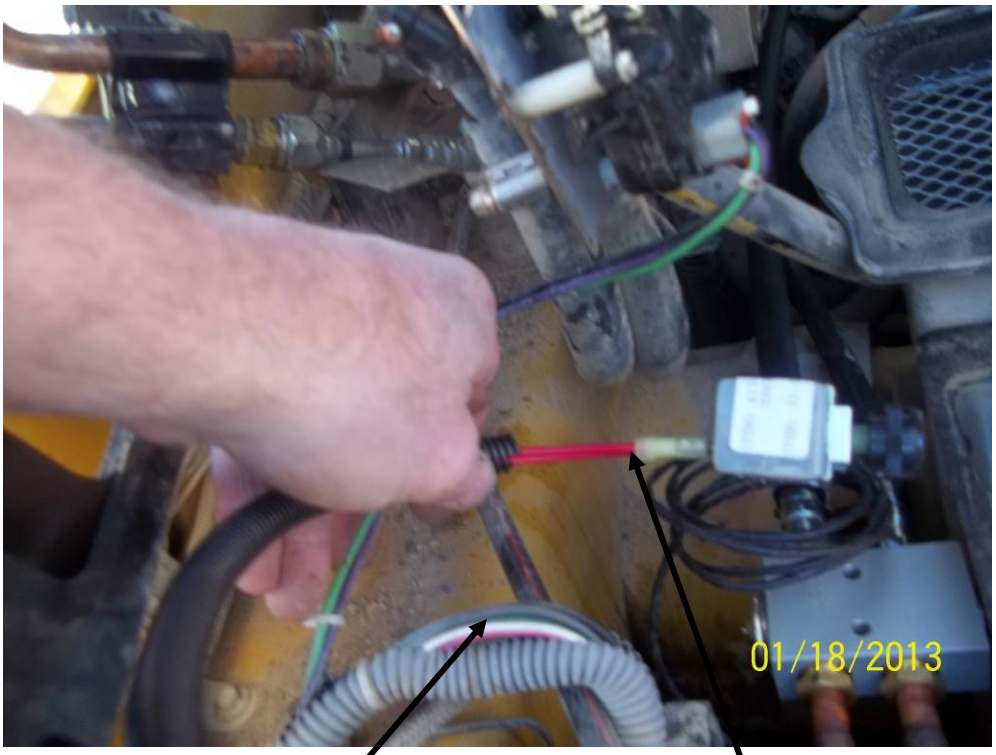


Remove the lid from the heater/blower box. Remove the heater core then ensure the drain tubes have the plugs removed. Drill out if needed.

Install new evaporator into blower box as shown.

Seal up the edge of the coil to plastic so all air must flow through the coil fins.

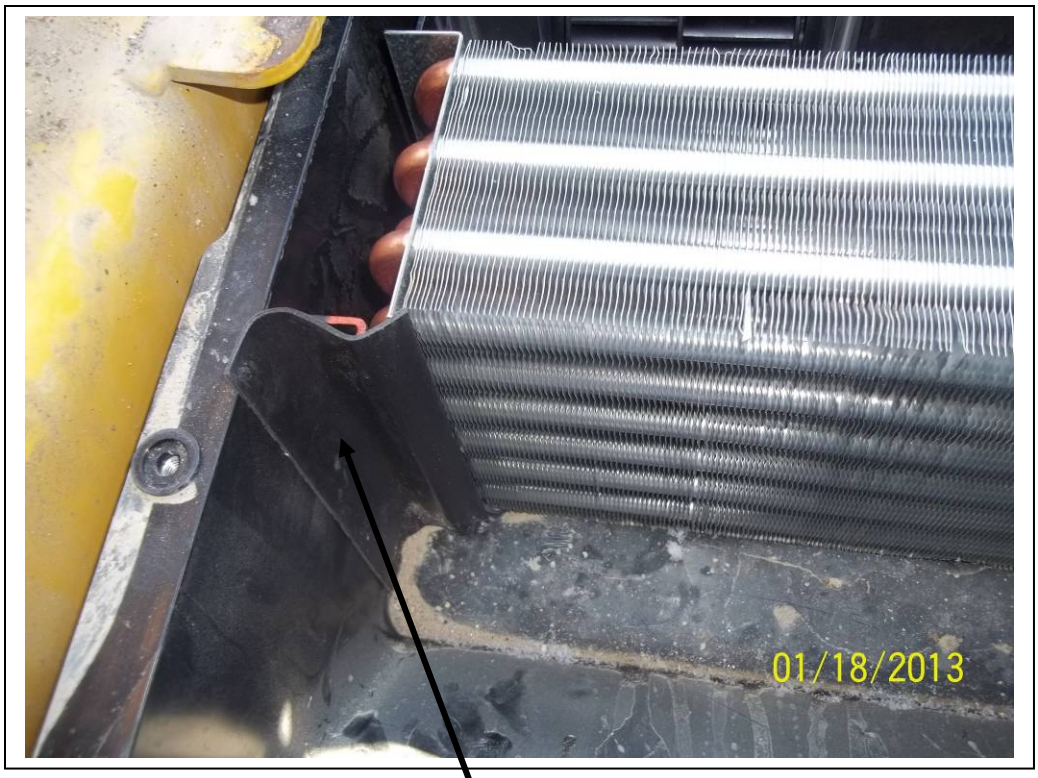
Install thermostat probe as shown in picture.
Instructions are at the end of these pictures.



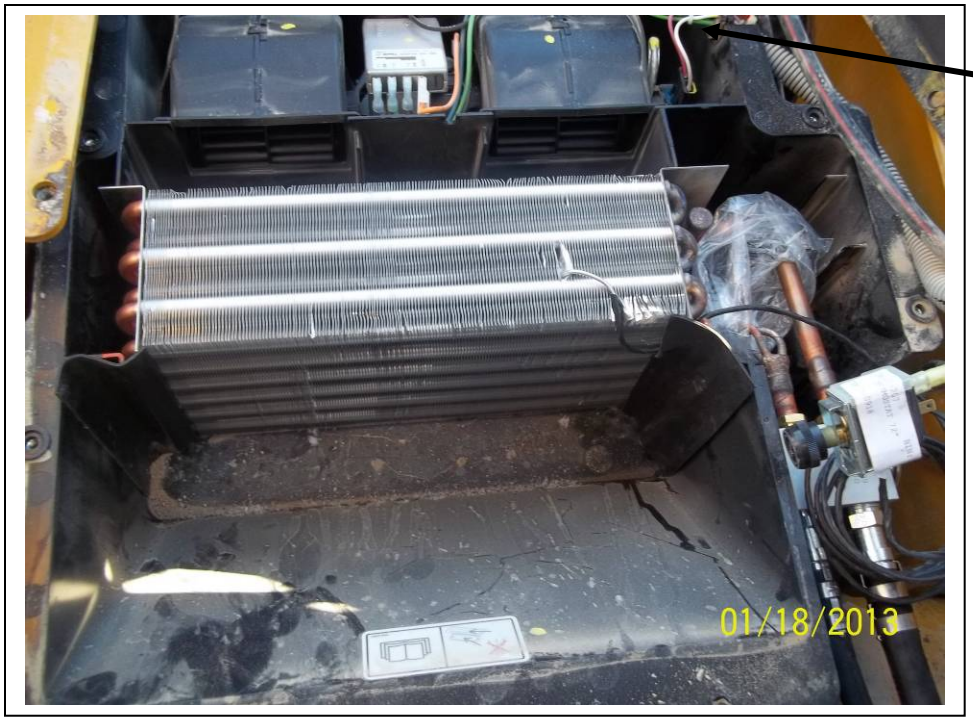
This white wire # 520 to get connected to either side of the thermostat.

Connect this wire to the other terminal on the thermostat.

Cable tie the thermostat out of the way and turn the knob to max. (clockwise)



Use self stick tape to seal evap coil into box.



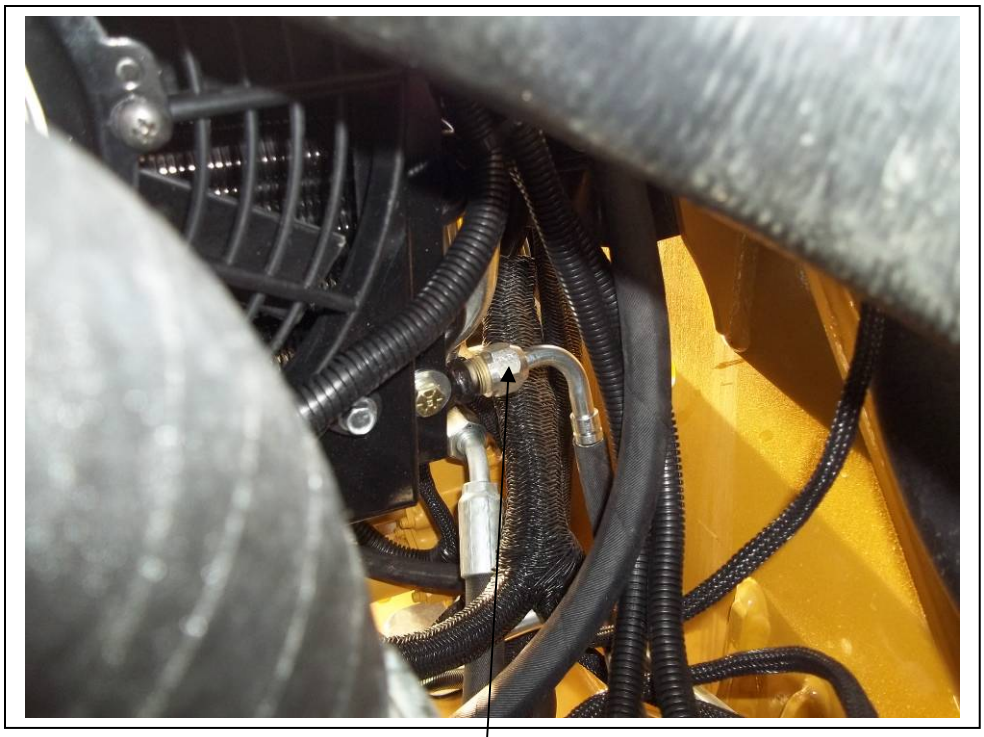
#520 white wire may be here to connected to the thermostat.

All lines connected. Then re-install lid

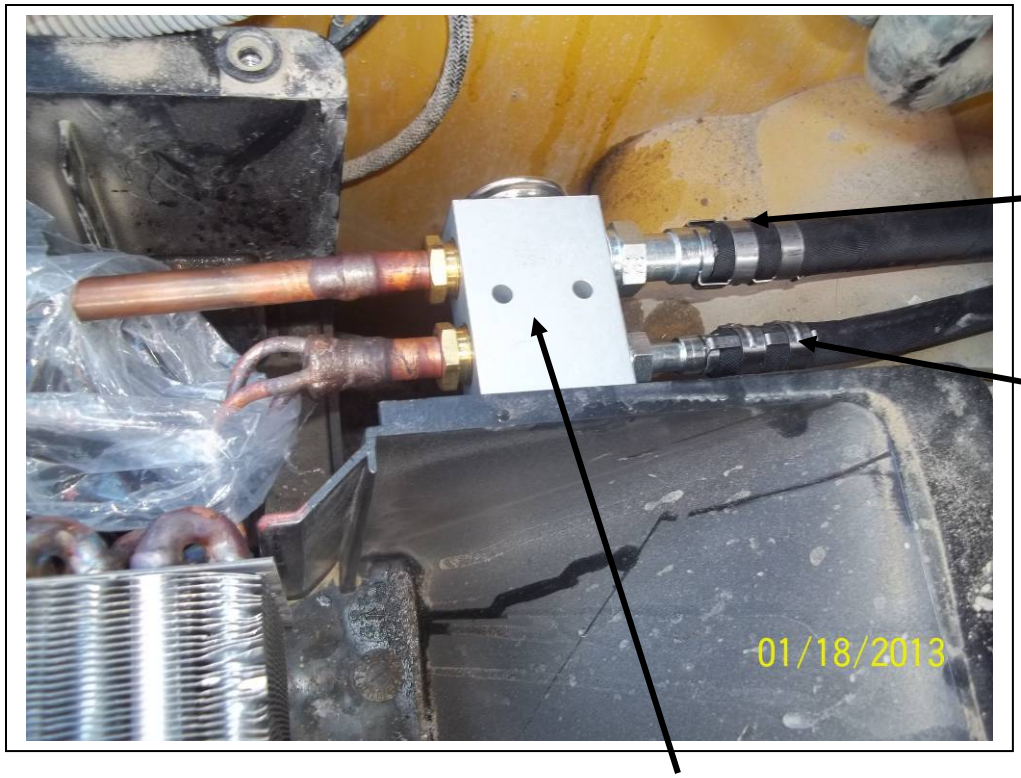
Looking for plug to connect the new switch.

Install switch provided. Plug exists

HOSE CONNECTIONS



#6 line at bottom of condenser shown. This line goes to the “IN” side of the drier.

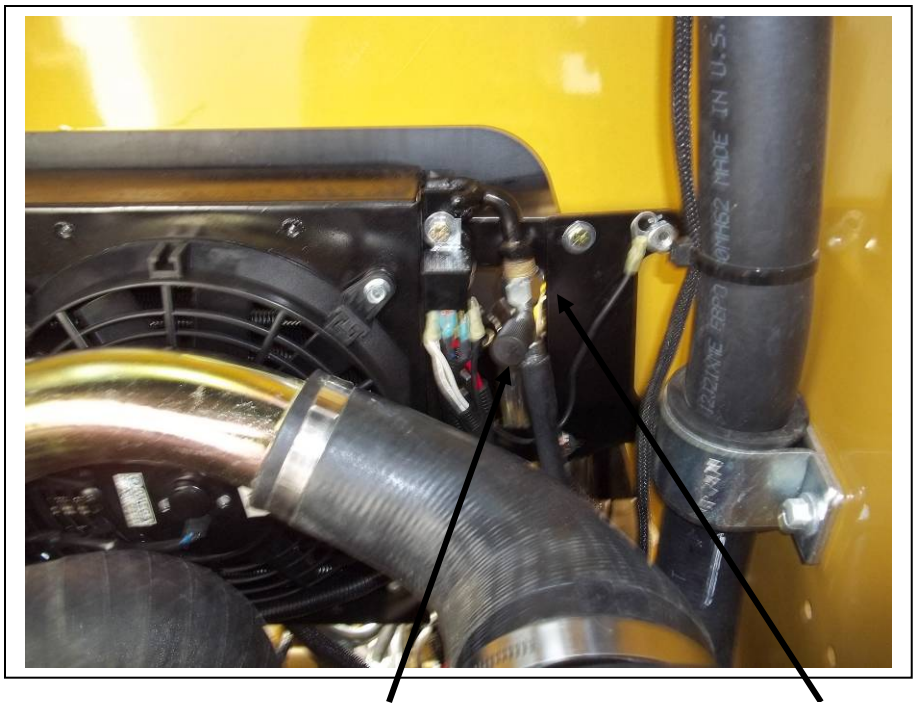


#10 line to compressor

#6 line from drier.

Hoses connected at the evaporator.

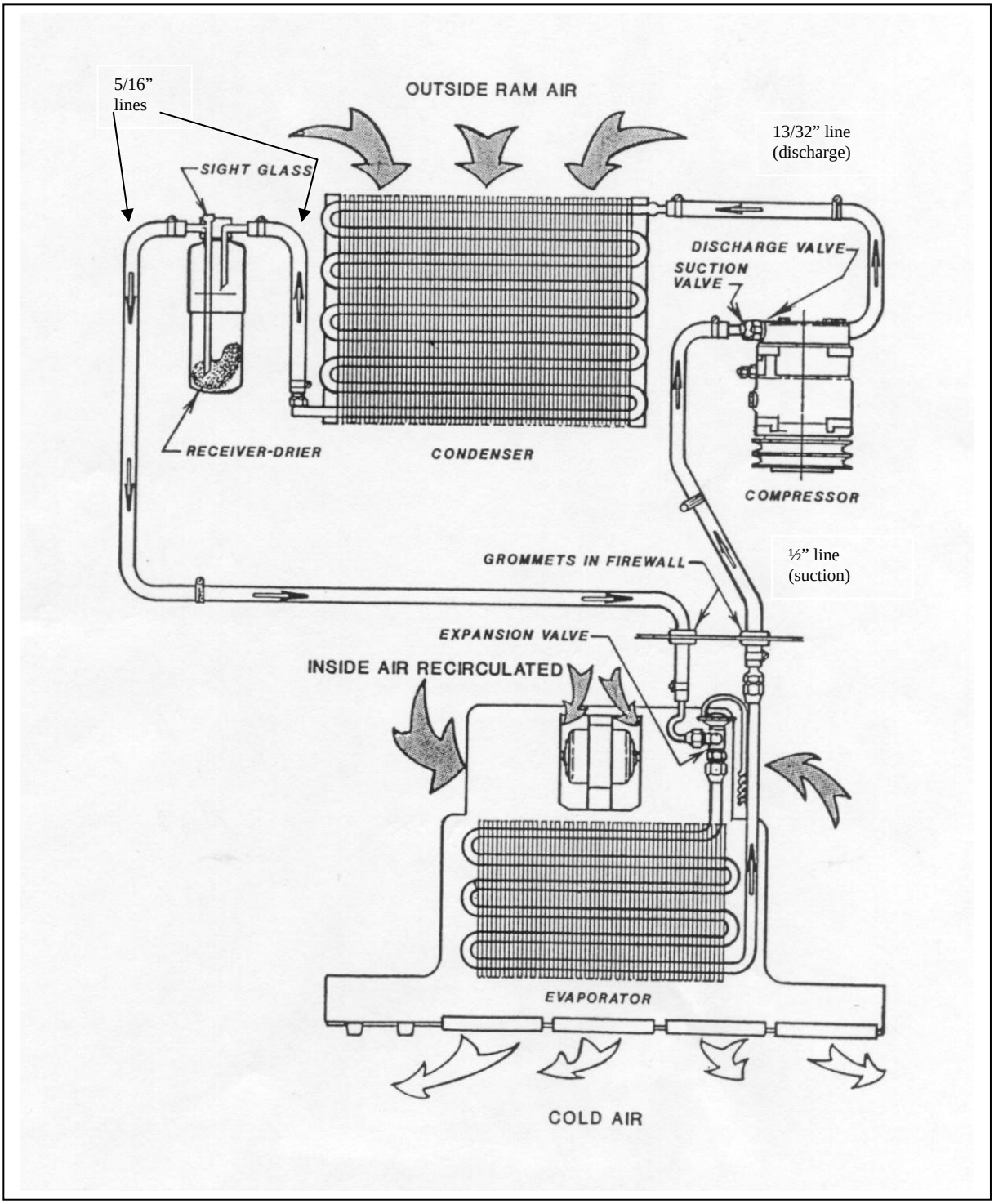
Expansion valve



NOTE: #8 (high side) access port at the condenser

#8 line from the compressor to the condenser.

Refrigerant Flow Pattern in a Standard Air Conditioning System



Thermostat Setting Procedures

1) Thermostat types a) preset
b) adjustable

a) A preset thermostat is adjusted to its specific cut in and cut out temperatures when manufactured and does not have a rotary adjustment for the operator.
b) An adjustable or rotary thermostat has been manufactured to a predetermined cut in and cut out temperatures, but it is also operator adjustable to achieve the desired comfort level.

Both types of thermostats can have their factory settings adjusted by turning the setting screws on the body of the thermostat. One body type has the setting screws mounted externally and labeled for direction of rotation. The other body type requires the removal of the plastic end plate to expose the set screw.

2) Thermostat probe location: The location of the thermostat probe in an evaporator coil can be very important to achieve the maximum cooling potential of the coil while also preventing coil freeze-up. There is no set location for the thermostat probe to be put that will be optimum for all systems, but several rules of thumb may be followed:
    a) Insert the probe in the coldest area of the evaporator coil.
    b) Insert the probe from the top of the coil down, if possible.
    c) Make sure that at least the last 3" of the thermostat probe are in the coil.

To find the most likely area where the coil is the coldest, consider these factors:

1) Direction of air flow through the coil.
2) The coil area likely to have the lowest air flow.
3) The inlet locations of the refrigerant into the coil.
4) The inlet of the hotter outside air into the coil area.

1) Usually the coldest side of the evaporator coil will be the air outlet side. Often the thermostat probe can be inserted between the last and second last row of tubes.
2) The lower air flow area of the evaporator coil in most systems tends to be near either end of the coil. These areas will be colder
3) The area of the coil that the refrigerant inlet tube(s) occupy should be the coldest part of the coil.
4) If the system is equipped with an outside air intake, where and how that air is brought into the evaporator area can have a large effect on the coil temperature. If all the outside air is piped into the evaporator in one area, that area will be considerably warmer in hot weather.

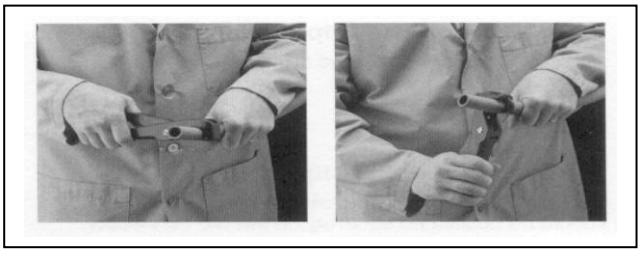
By looking at all these different factors, the area of an evaporator coil most likely to be the coldest can be determined.

Once the probe is inserted, the A/C system needs to be tested. Run the system to ensure that the thermostat is cycling the compressor off at the appropriate temperature. A core temperature ranging between 25° and 30° F should cause the thermostat to cycle off. The air temperature at the vent outlet closest to the evaporator coil should be between 38° F and 45° F when the compressor cycles off.

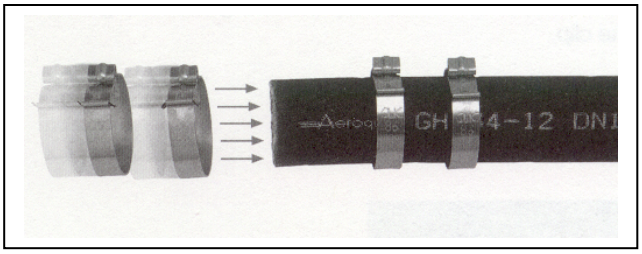
If the thermostat doesn't cycle off after a reasonable cool down period, and the air outlet temperature has dropped below 40° F, the cut in and cut out settings should be adjusted until the compressor is cycling on and off regularly. Let the system run for a decent time period (at least 15 min) and then check the evaporator coil for any signs of freezing.

Aeroquip E-Z Clip Assembly Instructions

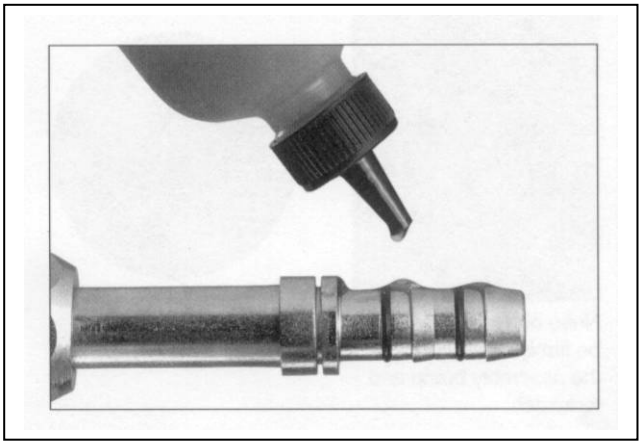
Step 1. Cut the hose to proper length with an appropriate cutting tool. Aeroquip's hand held hose cutter has been specially designed for cutting all non-wire reinforced hose, such as GH-134 Multi-Refrigerant hose. Be sure the cut is made square to the hose length.



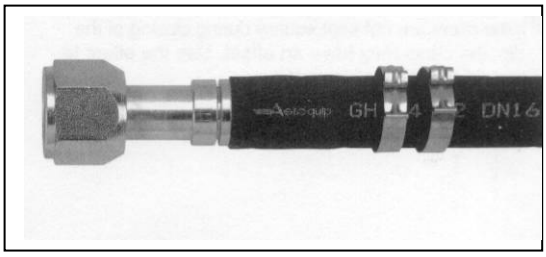
Step 2. Install two proper-sized clips onto the cut end of the hose. Orientation of the clips does not affect the performance of the connection. However, for ease of assembly, both clips should have the same orientation.
NOTE: Failure to slide the clips over the hose at this time will require the clips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

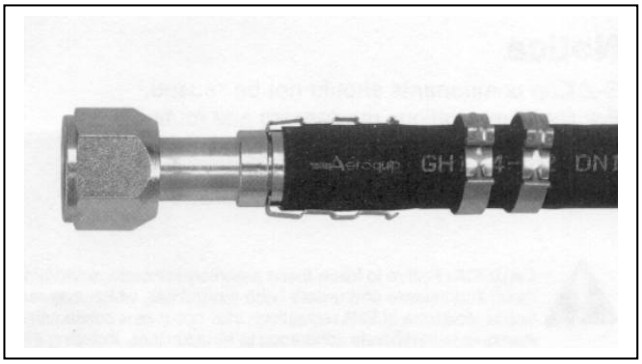


Step 4. Insert the nipple into the hose. To ensure that the nipple is fully inserted, check the gap between the cut end of the hose and the shoulder on the nipple. Care should be taken to avoid kinking or other damage to the hose during nipple insertion.
NOTE: Be sure to wipe excess oil from the nipple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

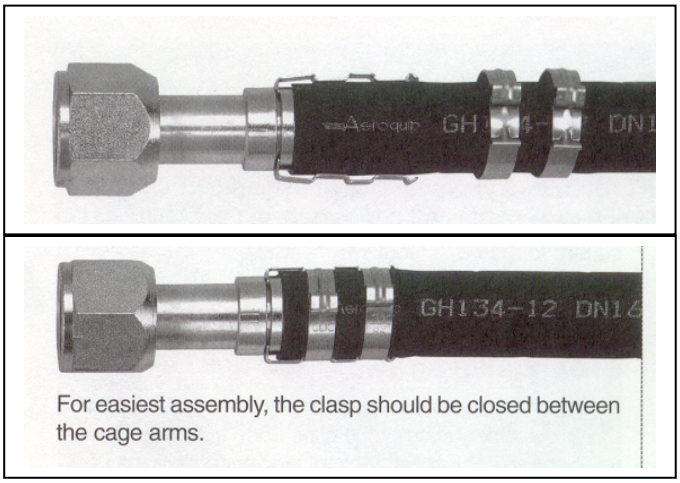


Step 5. Snap the cage into the groove on the nipple. The arms should extend over the hose length. When the cage has been correctly installed in the cage groove, the cage will be able to rotate in the groove. This step MUST be performed to ensure:

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.



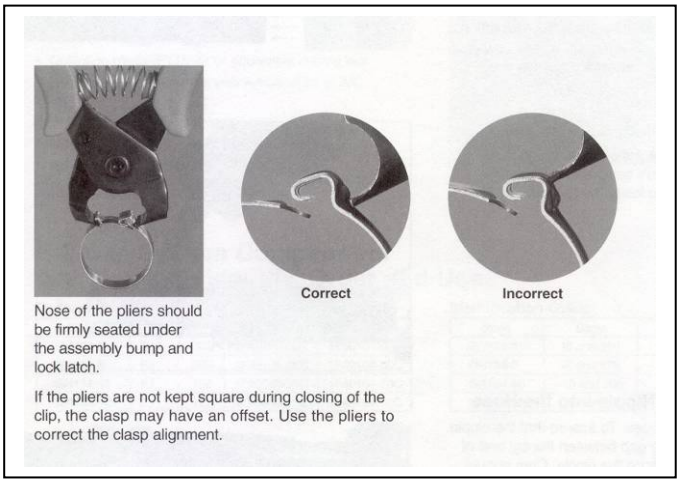
Step 6. Slide the clips over the cage arms and into the channels on each arm.



For easiest assembly, the clasp should be closed between the cage arms.

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.



Nose of the pliers should be firmly seated under the assembly bump and lock latch.

If the pliers are not kept square during closing of the clip, the clasp may have an offset. Use the pliers to correct the clasp alignment.