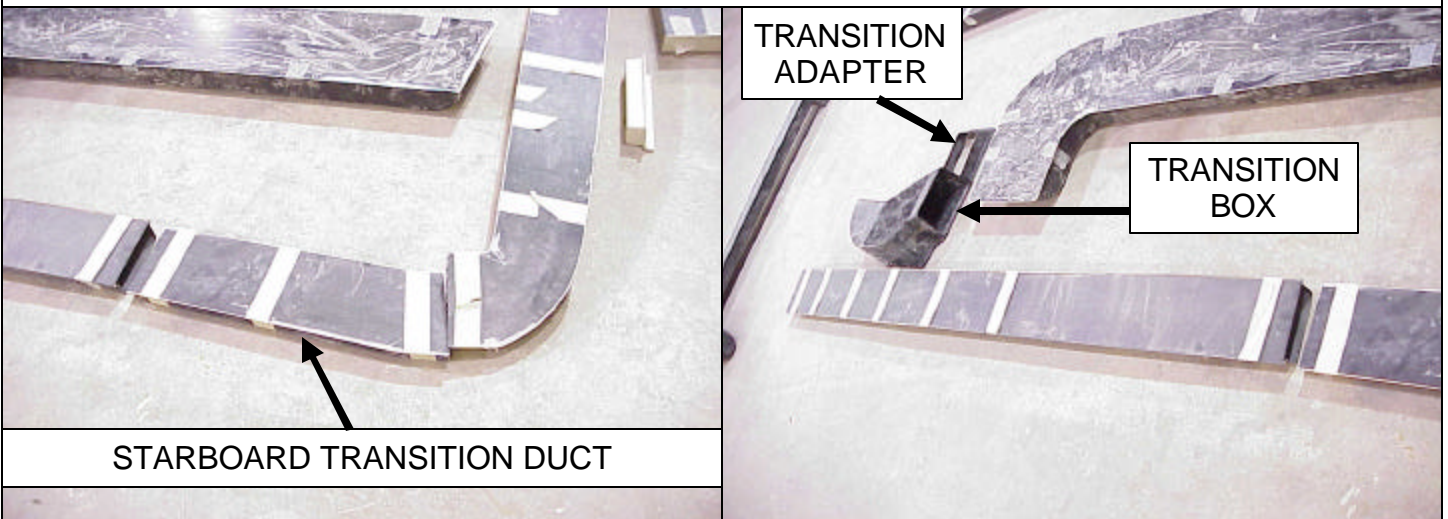
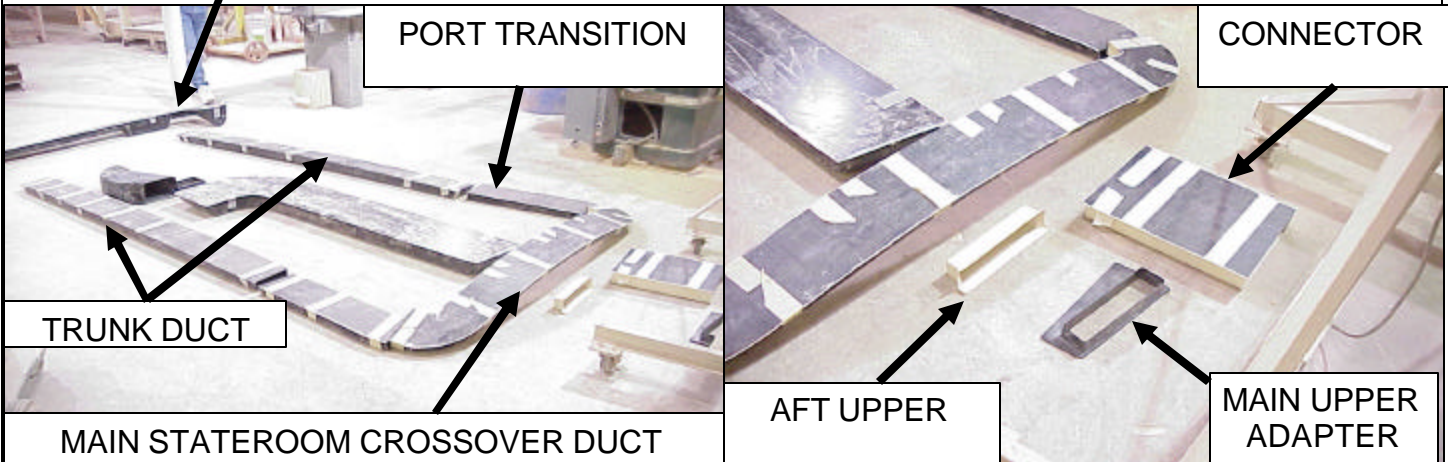
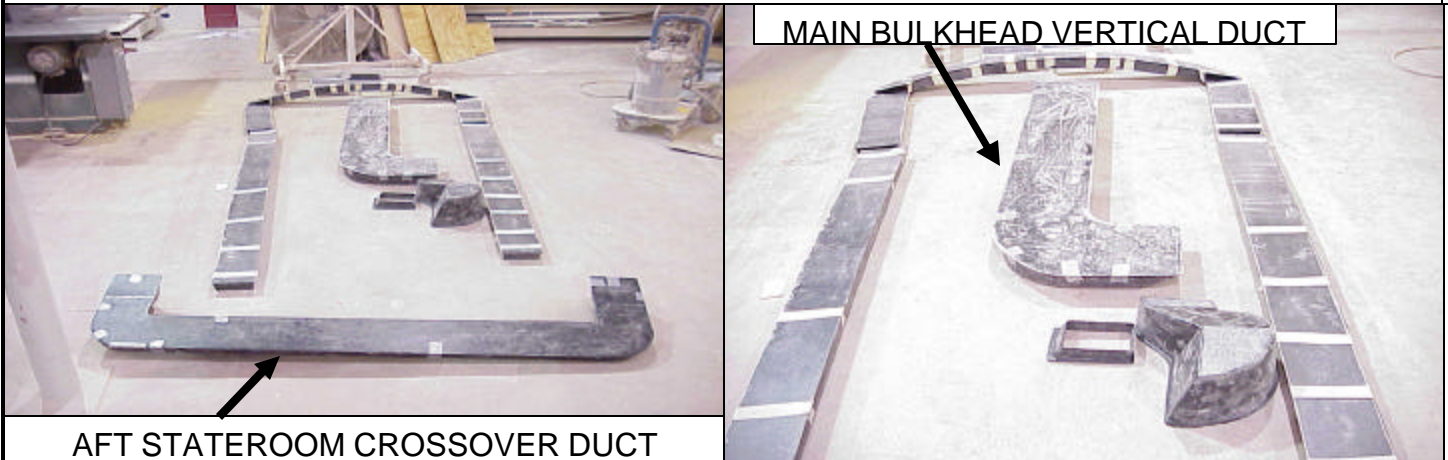


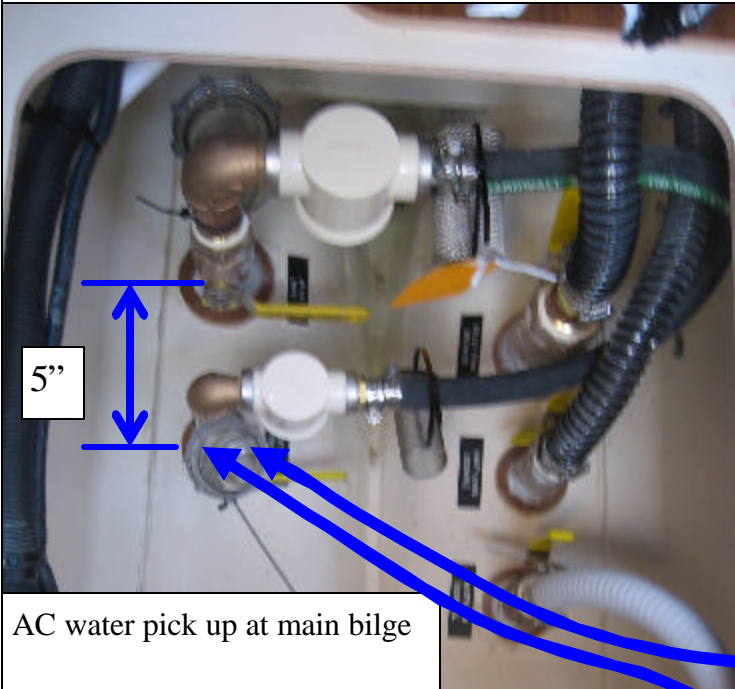
Hunter 38 Air Conditioning Installation (2-13-06) REV A

ABS AC DUCT PARTS

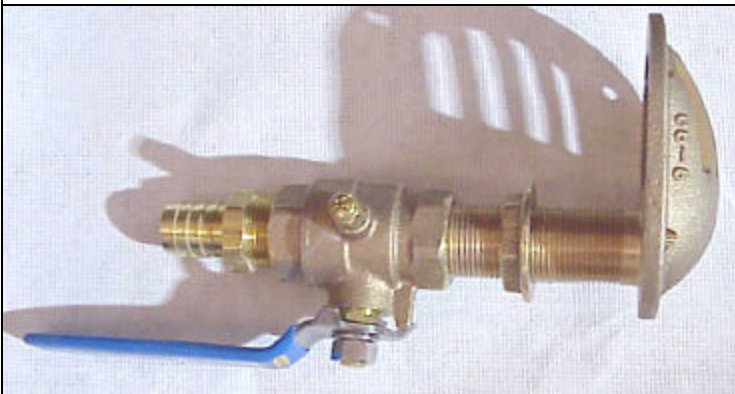
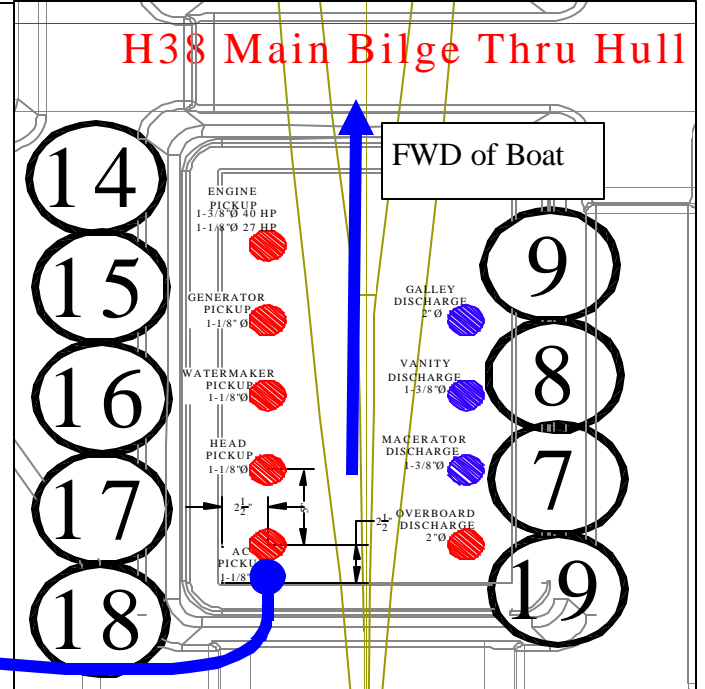
1. AC plastic air ducts should have been pre-installed in boat during manufacturing.
2. For aft AC, should have a transition box for crossover duct inside QB bunk for starboard side hanging locker, and the a 3" diameter round cutout for QB port side hanging locker air vent.
3. Use appropriate tools to pull down main cabin whisper material from whisper tracks that are aft to main bulkhead and to both port and starboard side of cabin. Now all main cabin air duct should be seen.



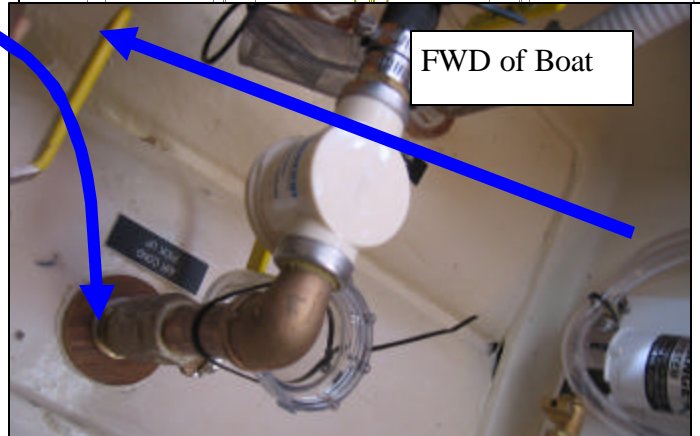
Hunter 38 Air Conditioning Installation Thru Hull Fittings



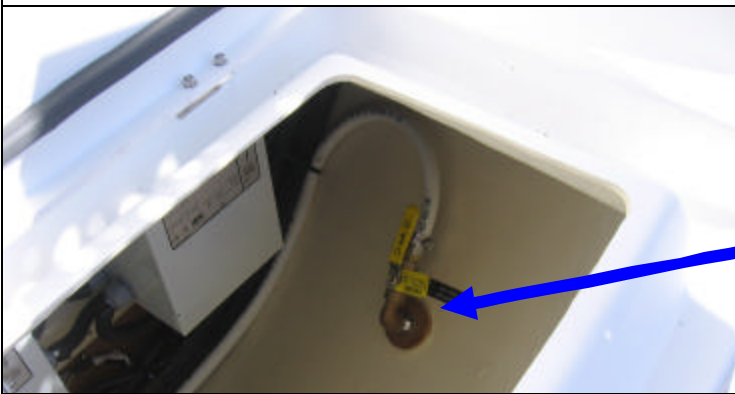
AC water pick up at main bilge



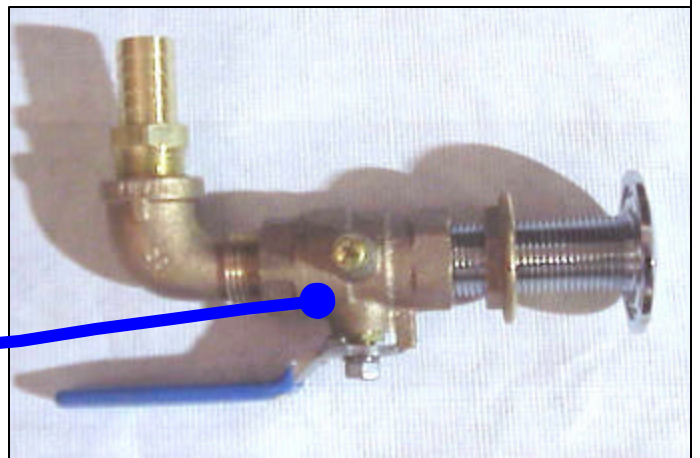
OPTIONAL AC PICKUP: 3/4" BRASS SCOOPER THRU HULL, 3/4" BALL VALVE, BRASS 3/4" PIPE TO 3/4" HOSE BARB FITTING



FWD of Boat



Aft AC discharge thru hull fitting locates at starboard side transom, inside swim locker.

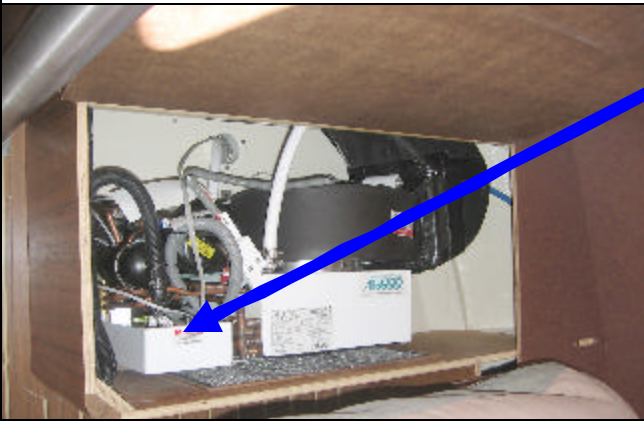


OPTIONAL AC DISCHARGE (TWO PER BOAT, FWD & AFT): 1/2" CHROME THRU HULL, 1/2" BALL VALVE, 1/2" STREET ELBOW, BRASS 1/2" PIPE TO 5/8" HOSE BARB FITTING

Hunter 38 Air Conditioning Installation

AC Wires Run Location

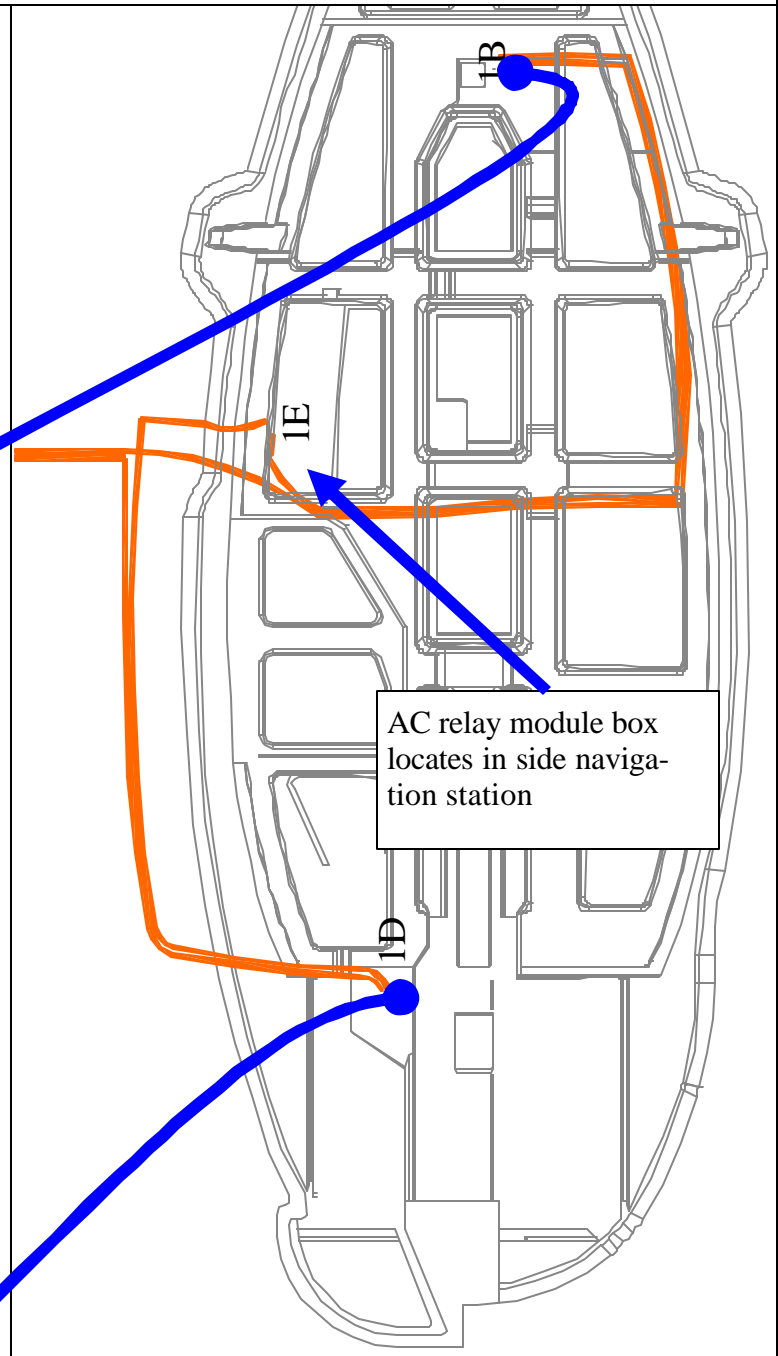
1. Alternative current wires for Air conditioner unit, run the A/C wires like the drawing shown on the right hand figure.
2. **1B** represents wires will connect to air conditioning unit.
3. **1E** represents wires will be connect to AC relay Box, and **1D** represents wire will connect to aft AC unit.



Inside starboard side main salon bunk, next to mast post pole. (Fwd AC)



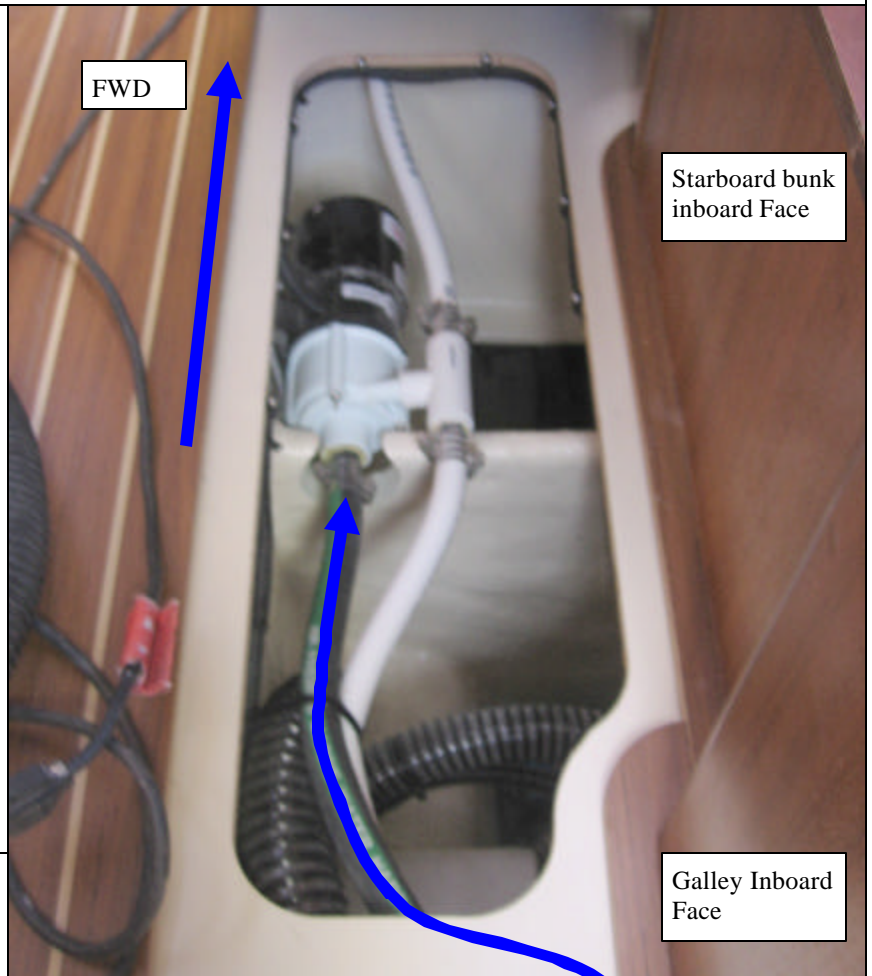
Inside QB port side fwd bunk (Aft AC)



Hunter 38 Air Conditioning Installation

Water Pick Up Pump Location

1. Install AC water pump on upper corner of bilge compartment, just inboard side of starboard side main salon bunk inboard face bilge.
2. Install this pump level, and install plastic Tee fitting for delivering water to fwd and aft Air conditioner unit.
3. Use 2 designated hose clamps on each fitting to hose connection.
4. Run fwd water pick up hose to fwd air conditioner unit location (pull the hose out from sub floor cutout. For AC unit installation.
5. Run aft AC water pick up hose (under sub floor) to QB bunk port side for AC unit installation.



Hunter 38 Air Conditioning Installation Aft Air Conditioning Unit Installation



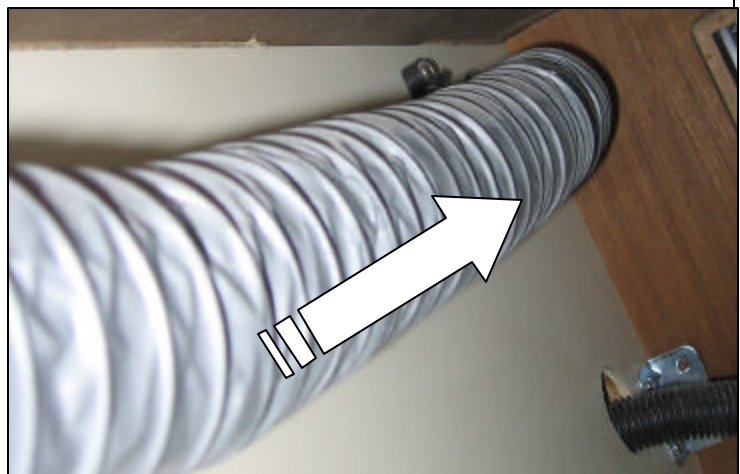
Loosen QB bunk top fasteners then remove the bunk top, install AC unit at this location (port fwd) of bunk compartment. Install flexible air duct to aft transition box then run 3' flexible air duct to port side hanging locker (remove cedar panel inside hanging locker) then mount and install air grill to QB port side hanging locker aft face, connect 3" flexible air duct to the air grill and re-install cedar panel back in place.



Use Air-cond grill provided as template to cut grill mounting location on QB port side hanging locker aft face.



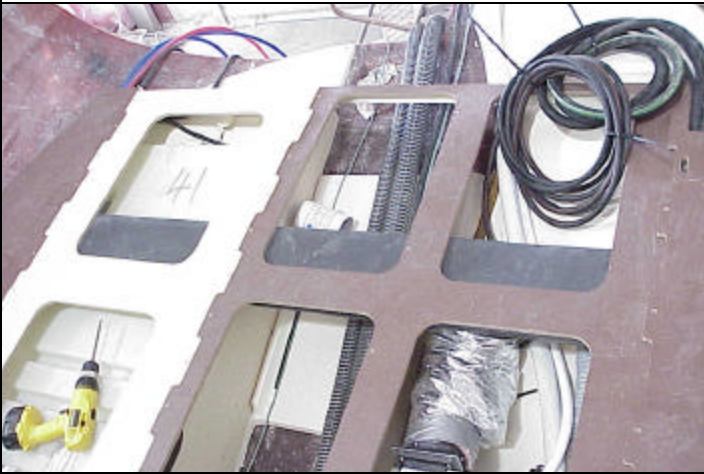
Connect and install AC wires to aft Air-conditioner unit and connect water pick and discharge hoses to Air-cond unit. Use 2 designated hose clamps for each fitting. Install pan drain elbow facing downward thru sub floor cutout. Run and install aft Air-cond discharge hose to transom starboard side A/C discharge thru hull fitting valve.



Run this 3" flexible air duct from inside of QB bunk port fwd going forward then thru bunk face outboard then pull out from hanging locker

Hunter 38 Air Conditioning Installation

Aft Air Conditioning Unit Installation



Aft AC unit to crossover air duct



Crossover air duct to starboard side flexible duct

Starboard side flexible air duct to starboard side hanging locker



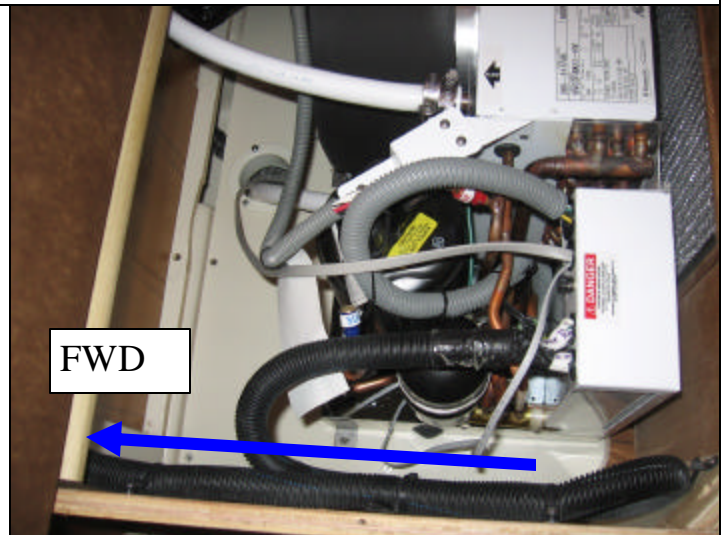
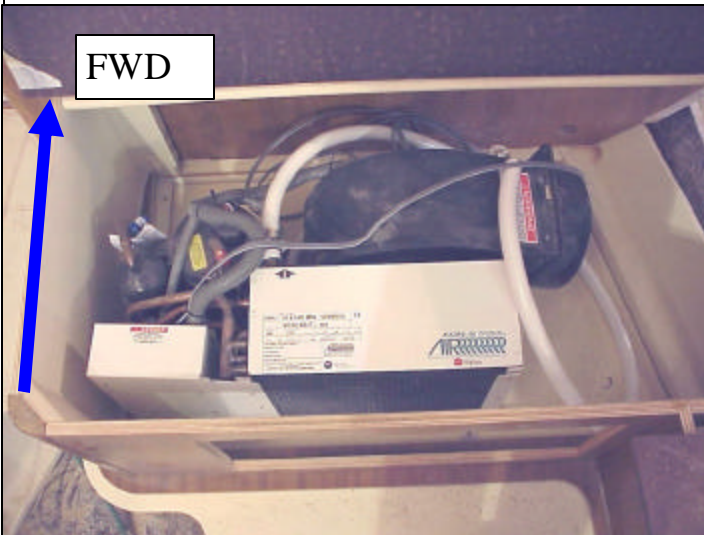
Flexible air duct to inside hanging locker to plastic grill box.



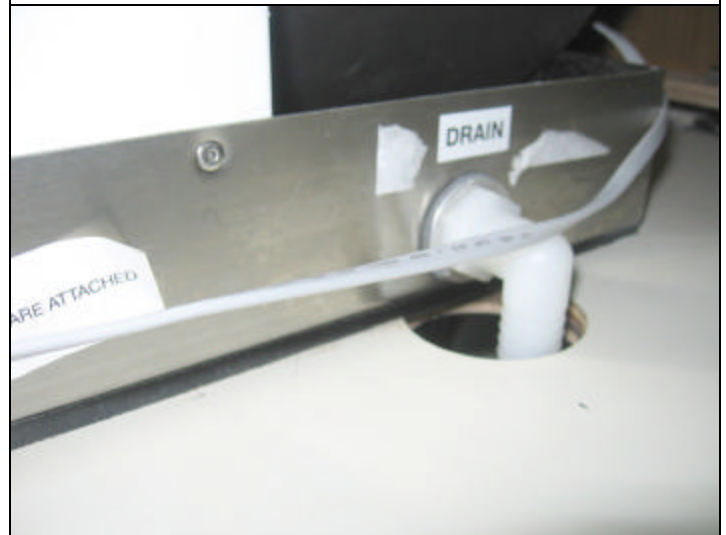
QB starboard side hanging locker AC grill complete, re-install cedar panel back inside hanging locker

Hunter 38 Air Conditioning Installation

Fwd Air Conditioning Unit Installation



Fwd AC water feed and remote cable are from this sub floor cutout, discharge thru hull fitting is inside bunk settee fwd corner.



Fwd AC pan drain elbow locates outboard fwd corner of AC unit pan cutout, need a 1-1/2" cutout for this elbow to drain pan water down to bilge.



Fwd AC discharge thru hull ball valve locates here.

Hunter 38 Air Conditioning Installation

Air Conditioning Unit Remote Control Panel Installation



Run aft AC remote cable from QB bunk going forward along sub floor then pull out from engine box port side to this location then mount and install aft AC remote panel on aft galley bulkhead and above the AC outlet box,



Run fwd AC remote cable from main cabin starboard side main salon bunk going inboard and afterward along stringers and sub floor then pull out from inside chart locker cabinet then run the cable to this location, (need to remove access panel from chart locker cabinet before you run remote cable). Mount and install remote cable above AC outlet box.

Install AC relay box inside chart locker cabinet, remove the access panel that is under chart table with facing inboard.