

Hunter 31 Freezer Installation Procedure (4-6-2006) Rev-A

Freezer Unit Installation:

1. **Turn off main power, disconnect shore power if connected.**
2. The freezer unit for Hunter 31 locates at galley outboard fwd corner. The freezer bottom sits on platform and its upper sides are enclosed by 4 pieces of teak battens. Freezer is power by 12V DC thru a pre installed 15 amp, and color code (red/black) 10 AWG wire, 10 AWG yellow wire is negative.
3. Remove ice bucket from galley and remove ice bucket ring (rectangular frame that made of starboard material).
4. Install all battens from underneath galley sub top, secure all battens using #10 x 2" long flat head screws thru battens to galley sub top (pre-drill mounting holes). (**fig.1, fig.2**)
5. Install freezer bottom platforms, 2 platforms will be mounted inside galley on fwd galley bulkhead and galley middle bulkhead. Both platform top surface should be fixed at 12-1/8" in height from galley bottom. (bottom platform supports freezer box, not supports compressor unit) (**fig.6**)
6. Drop in freezer from top with thermo-switch locates outboard fwd corner of galley direction.
7. When the freezer sit on freezer platform, freezer with lid off, the top of freezer is approximate 1" (**fig 3**) to corian top, and freezer bottom face (not compressor) is approximate 12-1/8" to galley bottom. Adjust the height until corian lid flush with galley corian top when freezer lid sits on top of freezer.
8. Look for freezer wires in hull DC harness, the wires are under or inside galley. Look for **red/black** wire and **yellow** wires, both are 10 AWG. Now, make slide 1/4" female slide connector to the end of both wires (include insulation boots to connectors). (**fig.5**)
9. There are black (ground) and red (positive) wires with slide connectors comes with freezer, remove both wires. Slide the connectors from power supply wires (red/white as positive, yellow as ground) to male slide connectors of freezer, and slide insulation boots to connectors.
10. Use appropriate length of #10 F/H wood screws (self tapping) to hold lower inboard face of freezer from skidding. Fasten the screw from starboard main salon bunk and under bunk top, fasten 2 screws from this location thru galley fwd bulkhead and into freezer (**due to thickness of iso-thermo foam, screws should not be more than 1/2" long into freezer**) (**fig 4**) . Check all wires connections, ensure all connectors are secured.
11. Install refrigerator back in place. Clean freezer top insulation cover and corian lid, use marine sealant 733 clear to caulk around on top of freezer insulation lid then put the cover on freezer and put corian top back in place, this will take at least overnight for sealant to dry.



DC Breaker Installation:

1. Turn main power off.
2. Loosen fasteners from DC panel, flip the panel down, install **15 AMP breaker** to panel cutout, fasten (positive) copper strip to this breaker (copper strip give 12V power to this breaker), then connect 10 gauge wire (**red/black**) to the other terminal of this breaker, and connect LED power to this breaker.
3. Check all wirings and connection, ensure all connectors are secured, Flip the DC panel back, and secure fasteners back in place.

Hunter 31 Freezer Installation Procedure



Fig 1.



Fig 2.

Fig 1 showing secure teak battens to galley sub top, fig 2 shows batten is beside 7/8" batten and enclose the freezer unit.

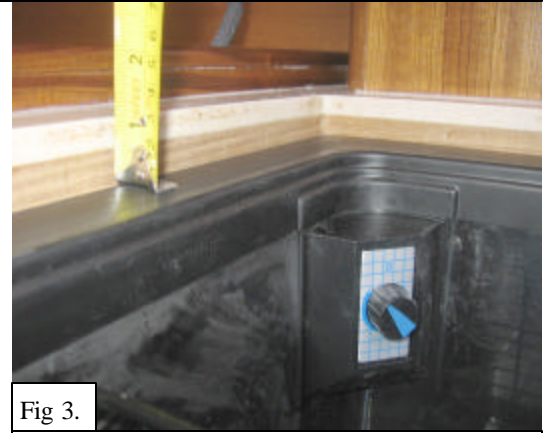


Fig 3.

Fig 3 shows that freezer sits on platform, 1" height from galley corian top.



Fig 4.

From inside starboard side main salon bunk, fasten 2 screws from this location thru galley fwd bulkhead and into freezer

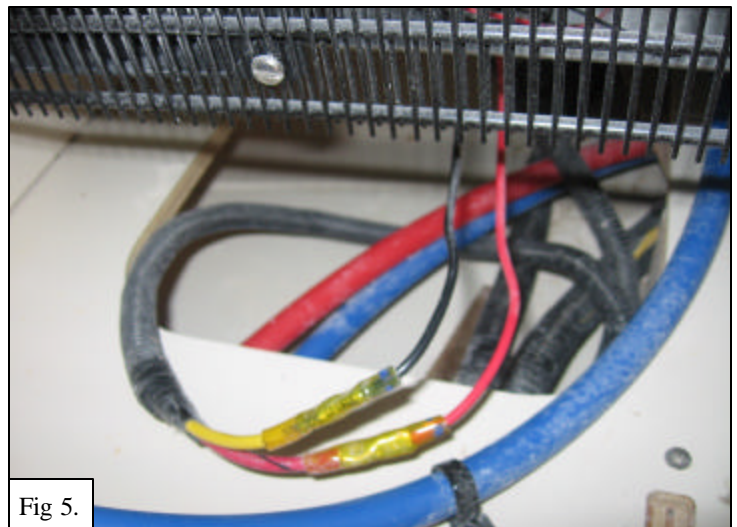


Fig 5.

Freezer wires, black wire to yellow as ground, red wire to re/black as energized wire.

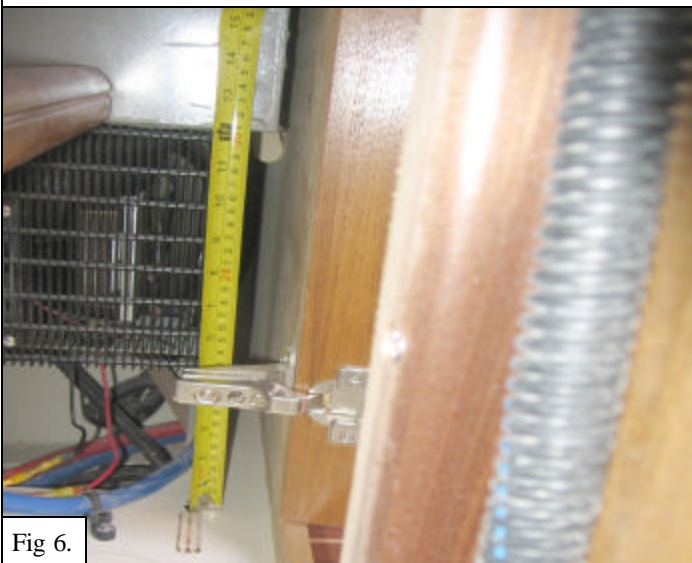


Fig 6.

Freezer bottom sits 12-1/8" from galley bottom



Fig 7.

Over view of complete installation of freezer

