

# 356 GALLEY FIELD FIX PAGE 1 OF 8

The galley icebox/freezer on the Hunter 356 will need to be sealed and insulated to prevent condensation forming on the outside of the unit. This will be divided into two sections, one covering the insulation and the other covering the sealing. Also is a list of what comes in the kit from Hunter Marine and what tools the installer will need to provide.

## KIT COMPONENTS

1. 2) 21" long pre-drilled poplar angles
2. 1) Tube of 733 white caulk
3. 1) Tube of 733 clear caulk
4. 1) 10" piece of 3/8" tubing
5. 8) #8 x 7/8" stainless steel panhead screws

## TOOLS NEEDED

1. #2 Phillip head screwdriver and/or screw gun
2. Paper towels and/or rags
3. Isopropyl alcohol
4. Putty knife/scrapper
5. Small bucket
6. Can of expandable foam

## INSULATING THE FREEZER

The inboard side of the freezer section in the galley will need extra insulation added. More specifically it will be in between the black ABS cover located in the compartment under the sink and the icebox/freezer. To remove the ABS cover several other components will need to be removed first, the doors, shelf, and sink. Detailed instructions on how this is accomplished is listed below.



## REMOVAL OF DOORS

The doors are equipped with quick release latches. (Notice that the door with the push latch is on the outboard side so they will be reassembled correctly.) While holding the door with one hand squeeze the end of the top hinge together to release the part of the hinge screwed to the door from the part of the hinge screwed to the door frame (see picture). Repeat this procedure on the bottom hinge and the other door. Place the doors safely out of the way until they are to be reinstalled. NOTE: After the doors are removed it may be necessary to remove the upper-outboard hinge from the galley to have room to slide the sink out.

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## REMOVAL OF SINK

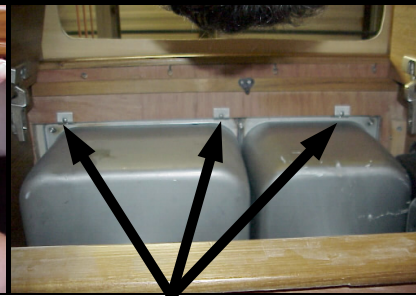
Before removing the sink the drainage hoses will need to be detached. These hoses will probably have water in them so they will need to be manipulated so the water is drained down the hoses. A rag and bucket should be available to catch and clean up any spilled water. Unscrew the drain hoses from the bottom of the sink then lift them up to drain as much water as possible down the drain. **NOTE: Use caution not to lose the rubber gasket in the drain fitting.** Next undo the six brackets holding the sink up in place, three on the front side and three in the back. The only thing holding the sink up now is the thin bead of caulk at the edge of the corian top and the top of the sink. Push down on the sink (while holding the center so it does not drop to far) to free the sink from the top. Use caution not to break the corian top, if the sink does not come free then use a putty knife to cut the bead of caulk and go between the sink and the corian top to pry the sink free. Slide the sink out thru the door opening then set it safely out of the way until it is time to replace it. **NOTE: If it is to difficult to reach the three clips holding the back of the sink up, there is a access panel on the forward side of the galley behind the cushion on the settee.**



Undo drain hoses from the sink. Make sure not to lose the rubber gasket



Drain hoses will probably have water in them so lift the hose so it can drain out



Unscrew the three brackets at the front of the sink and the three in back (not shown).



While holding the center push down on the sink to free it. Use care not to break the corian top.



If the sink would not come free use a putty knife to cut through the bead of caulk and pry the sink free.



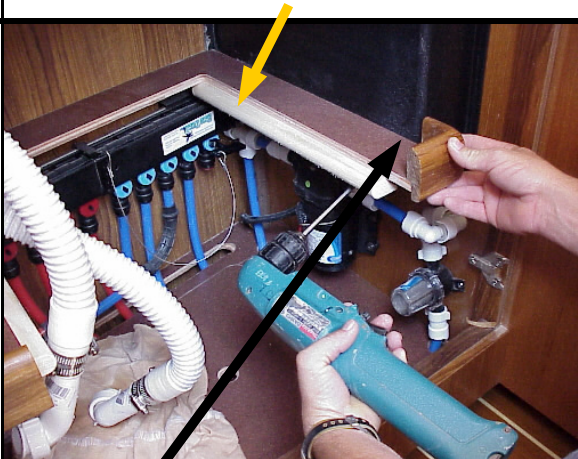
Remove the sink through the door opening and set safely out of the way

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## REMOVAL OF SHELF

The shelf under the sink consist of two pieces. The middle part of the shelf is just sitting on battens and is removed by lifting up the outboard side of the shelf then, while the shelf is at angle, remove it thru the door opening. The remaining part of the shelf will not be completely removed but will be turned up at an angle to provide enough room to remove the black ABS cover. The back side of the shelf sits in a dado so it will be located by the dado but the front of the shelf will be able to go up and down after the screws are removed. Make a mark on the ABS cover and on the other side where the shelf rests so it will be easy to place the shelf back in the same location. Remove the screws going thru the battens (underneath the shelf) into the galley, then the outboard edge of the shelf can be lifted up enough to provide room to remove the ABS cover. NOTE: Remember the back edge of the shelf fits into a 1/4" dado cut so it will need to be pulled towards you before tilting.

The most forward screw may be difficult to remove and the water manifold may need to be unclipped to gain access to the screw. This screw will not need to be reinstalled.



The backside of the shelf fits into a 1/4" dado in the galley so the shelf will need to be pulled towards you before lifting it up out of the way

Make a mark on the ABS cover and the other side where the front of the shelf rest then remove the screws attaching the shelf to the galley. Save the screws to attach the shelf back later.



## REMOVAL OF ABS COVER

Lift the outboard end of the remaining shelf section up far enough to be able to remove the ABS cover. Remove the screws holding the cover on and remove the cover. Save the screws so they can be used to replace the cover later. There is one difficult screw to reach in the forward-lower corner of the cover (the water manifold is partly in the way), this screw will not need to be replaced as the shelf will hold the cover tight against the galley.



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## FOAMING THE VOIDS IN BETWEEN THE GALLEY AND THE ICEBOX BACK

Be ready to perform this and the following foaming procedure quickly as the foam will expand and the cover will need to be replaced before the foam has expanded all the way. Fill any voids around the back of the icebox with expanding foam using caution not to over fill as the foam will expand and can distort the galley components.



## FOAMING THE ICEBOX BACK AND REINSTALLING ABS COVER

Apply a layer of foam over the entire exposed part of the icebox so it sticks out about 1/4" past the wood. Immediately replace the ABS cover, installing it in the existing holes so the location is the same. This will ensure the shelf is level when it is replaced.



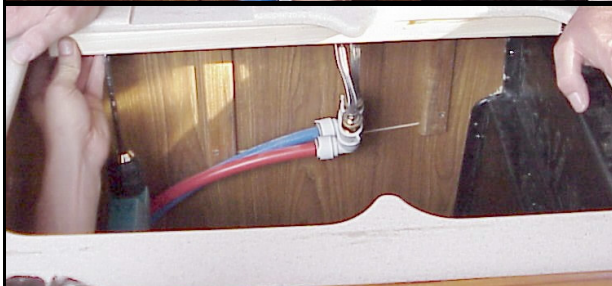
## FOAMING THE BACK OF THE ABS COVER

If the insulation in the ABS cover is scalloped down apply a layer of foam to fill the scalloped area.



## SECURING THE BACK SINK HOLDING STRIP

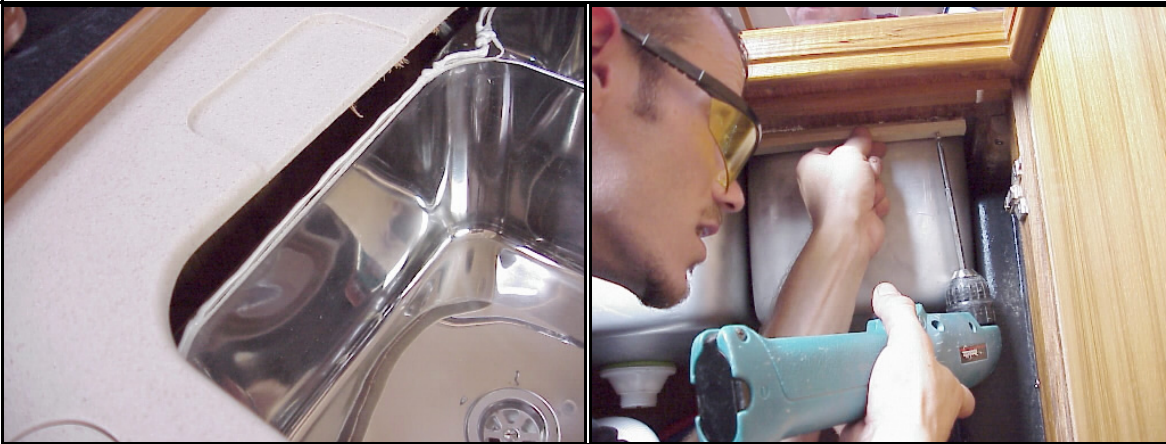
Place the wood angle strip along the back edge of the plywood galley sub-top so the long angle runs up flush against the side of the plywood and the side with the holes runs along the bottom of the plywood. Screw the angle into place with the #8 X 7/8" stainless steel panhead screws provided in the kit. Leave enough gap between the top of the angle and the bottom of the corian so the lip of the sink can slide in.



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## REINSTALLING THE SINK

Remove the old bead of caulk that went around the edge of the sink from the sink and the bottom of the galley top. After the wood strip that will hold the back of the sink up has been loosely installed, dry fit the sink by putting the back edge of the sink between the strip and the bottom of the galley top then push the sink up in position. If everything seems to fit correctly pull the sink out and drop it down far enough to apply a bead of 733 white caulk around the top lip of the sink so it will seal the sink to the bottom of the galley top. Slide the sink all the way back into the back holding strip then loosely attach the front holding strip, this will hold the sink up. Before tightening the holding strip make sure the sink is centered in the sink opening of the galley top. Tighten the holding strips, making sure the sink stays centered. Once the sink has been tighten securely to the galley make sure caulk squeezes out between the sink and the galley top along the entire perimeter of the sink, if it doesn't apply caulk where needed. Immediately (before the caulk has time to cure) clean up any excess caulk with a damp rag of isopropyl alcohol.



Apply a bead of 733 white caulk around the whole top of the sink lip then slide the back lip of the sink into the gap between the back hold angle and the bottom of the corian. After the sink has been tightly secured make sure that caulk squeezes out around the entire perimeter of the sink, add caulk if necessary. Clean up excess caulk using isopropyl alcohol.

Attach the front holding angle to the galley plywood sub-top thru the pre-drilled holes using the #8 X 7/8" stainless steel panhead screws provided in the field kit. Make sure the sink is centered in the opening then tighten the back and front holding angle pieces.

## REINSTALLING THE SHELF

Lower the shelf back into the original position lining it up to the marks made before the shelf was removed then reattach it to the galley using the same screws that were taken out earlier. Also place the middle section of the shelf back in place. This shelf maybe tight due to the foam expansion so some adjusting may be necessary.

## REATTACH THE DRAIN HOSES

Make sure the rubber gaskets are positioned into the drain hoses then screw them back onto the sink drains. These should only need to be hand tighten.

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## SEALING THE FREEZER

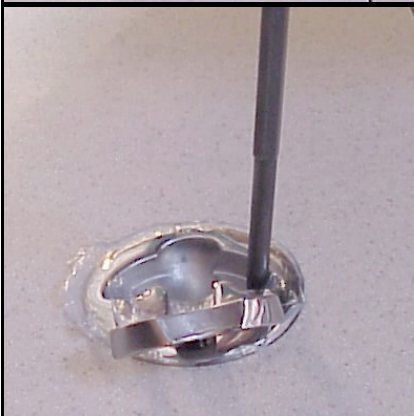
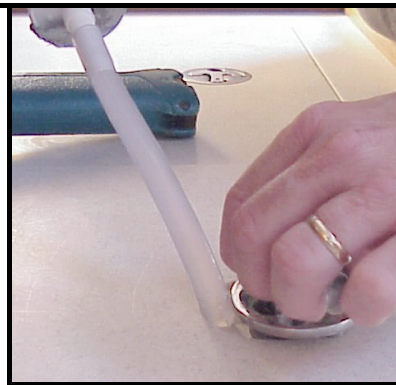
The seam where the top of the icebox sides meet the underside of the icebox top will need to be sealed with 733 clear caulk. Also the handles will need to be unscrewed and then caulked underneath and replaced. The 3/8" tube that was sent in the field fix kit will need to be put over the end of the caulk tube tip so the flow of the caulk can be directed easier. Excess caulk will need to be cleaned up immediately (before the caulk has time to cure) with isopropyl alcohol.



The entire perimeter of both icebox compartments will need to be caulked with 733 clear caulk where the top of the sides meet the bottom of top section. To facilitate this place the 3/8" hose that is provided in the field kit over the end of the caulk tube then direct the free end of the hose up in between the side of the top section and the side of the galley. Using your fingertip force the caulk into the seam all the way around. Clean up excess caulk with isopropyl alcohol before it has had time to cure.



If the underneath side of the handle/latch does not have a neoprene/metal washer the following steps can be used to seal the handle/latch. If the handle/latch does have a washer then go to the next section. Remove the two screws holding the icebox handle/latch then pull the handle up as far as you can. Apply about a 1/4" layer of caulk in the bottom of the cutout and around the outside perimeter of the cutout. Replace the handle and secure it with the two screws remove earlier. Do this procedure for both handle/latches. Clean up excess caulk with isopropyl alcohol before the caulk has had time to cure.

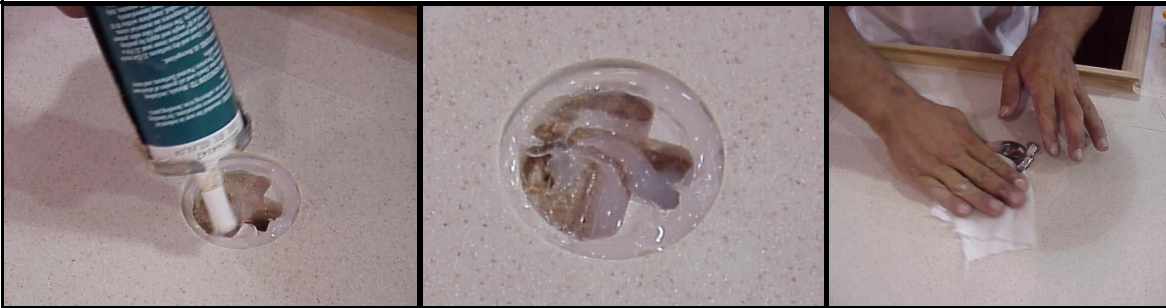




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## REMOVING HANDLE TO SEAL UNDERNEATH

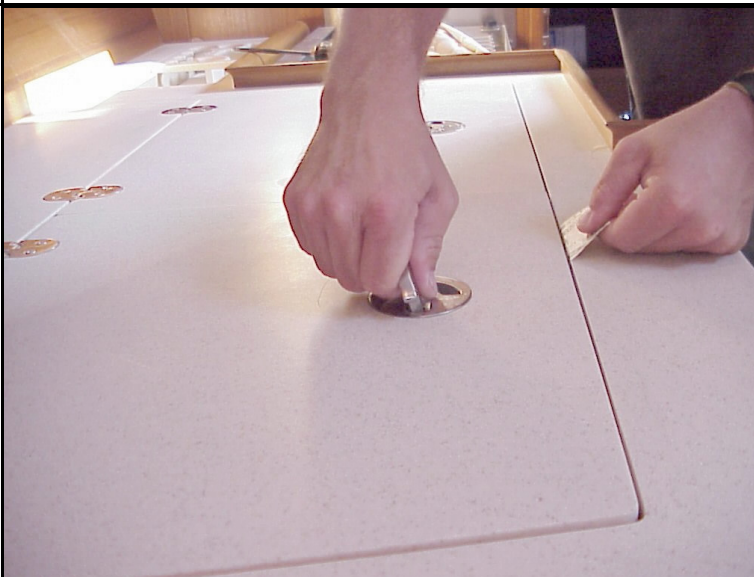
If the icebox handle/latches have neoprene/metal washers on the bottom side then the latch, nuts and washer will need to be taken off. After those pieces have been removed remove the handle mounting screws on the top side and completely remove the handle.



After removing the handle/latches on the icebox lids, fill the corian cutout with approximately 1/4" layer of 733 clear caulk. After the handles are installed clean up the excess caulk with a isopropyl alcohol.

## REPLACING AND ADJUSTING HANDLE/LATCH

After the handle section has been secured to the top, replace the latching hardware that was removed earlier in the opposite order that it was removed in. The proper way to adjust how high the latch should go on the handle stem is the "dollar bill" method. Open the icebox lid and lay a dollar bill in the icebox so some of the bill is outside of the icebox. Close the top and latch it shut then pull on the dollar bill. If the dollar bill can be easily pulled out then the latch will need to be screwed higher up the handle stem so there is a tighter seal. Continue this process (in several places around the lids) until you reach a balance between a significant drag on the dollar bill and being able to latch the lid easily.



With the top latched, tug on a dollar bill that is in between the icebox and seal. Adjust the height of the latch until the dollar bill is hard to pull out but it is still fairly easy to latch the top. Do this process around the lid in several places to ensure a good seal is obtained.

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## INSULATING REFRIGERATION LINE

If the icebox is equipped with a refrigeration unit the line coming into the icebox will need to be insulated. The line comes in thru a hole in the forward-bottom-outboard corner of the freezer section. It will be sealed with putty that will need to be removed so foam can be applied in the hole. Make sure all voids are filled then check the forward side of the hole, which can be seen by opening the bunk just forward of the galley. After it has been confirmed that that hole has been completely foamed, reapply the putty over the foam on the inside of the icebox in a workmanship like manner (NOTE: All of the putty will probably not be needed).



Refrigeration line comes into the icebox through the hole in the forward-bottom-outboard corner of the icebox. It is sealed with putty.



Remove the putty so the hole can be insulated with expandable foam.



Foam the hole with expandable foam making sure all voids are filled. Be careful not to put too much foam in as the other side of the hole is open (next picture) and it might just keep running out of the hole.



Check the forward side of the hole (it can be seen by opening the bunk lid just forward of the galley) to make sure it has filled completely. After the hole is filled with foam reseal the side of the hole in the icebox with the putty that was removed earlier.