

# SEAFARI ESCAPE 170 GPD WATERMAKER

## INSTALLATION INSTRUCTIONS ON A 41 MODEL Page 1 of 3

**NOTE:** The face of the mid section on the port bunk will need to be removed & modified to let the control panel on the watermaker go thru the bunk face. (Owen has the router jig to make these cutouts). Once the cut-out has been made the edges of the cutout will need to be painted.

### COMPONENTS INSTALLATION

1. **PICKUP THRU HULL FITTING:** Install a 3/4" scoop thru hull for the seawater pickup between the macerator & galley thru hulls. NOTE: This is where the optional overboard discharge goes so if the boat has both the watermaker & overboard discharge option the watermaker thru hull will need to be moved forward of the group of thru hulls in this compartment. Attach a 3/4" ball valve (valve handle should be on the outboard side & point forward when closed), a 4" long 3/4" nipple, then a 3/4" street elbow (street elbow should face forward). Attach the 3/4" sea strainer to the street elbow. Install 3/8" pipe fitting supplied with watermaker.
2. **DISCHARGE THRU HULL FITTING:** Install a 1/2" chrome thru hull behind the forward section of the port main settee backrest. Attach a street elbow so it faces up then attach a 1/2" ball valve so the handle faces inboard & points up when opened. Attach the 3/8" pipe fitting supplied with the watermaker.
3. **WATERMAKER MAIN UNIT:** The main unit will go in the mid section of the port bunk. The port bunk will need to be modified for the watermaker, see note above. Reinstall the bunk face. Place the watermaker in the mid compartment of the port bunk so the face of the control panel goes thru the cutouts in the bunk face. Secure the watermaker unit to the sub-floor using the 1/4" lag bolts supplied with watermaker.
4. **FILTER:** Install filter on 1" X 4" X 4" starboard block on the port side of the forward face of the main bilge (just forward of aft-inboard end of the port bunk (see pictures)).
5. **BOOSTER PUMP:** Install booster pump starboard of the filter so the "raw water in" fitting faces aft (see pictures).

### PLUMBING COMPONENTS TOGETHER

1. Connect 3/8" hard plastic tube from sea strainer to "in" side of booster pump using the "fast and tite" connectors that are supplied with the watermaker.
2. Connect 3/8" hard plastic tube "out" side of booster pump to "in" side of filter using the "fast and tite" connectors that are supplied with the watermaker.
3. Connect 3/8" hard plastic tube from "out" side of filter to the high pressure pump on the watermaker unit.
4. Remove 3/4" brass hose barb from port water tank then put a PVC short nipple in the fitting on the water tank. Attached a PVC all thread tee to the short nipple in the tank Connect the 3/4" hose barb that was removed earlier to one leg of the tee, then reconnect the hose to the hose barb. Connect the 1/4" tube fitting supplied with the watermaker to the last leg on the tee. Connect the 1/4" hard plastic tube from the tee on the water tank to the product fitting on the watermaker.
5. Connect the "brine out" fitting on the watermaker manifold to the discharge thru hull using 3/8" hard plastic tubing.

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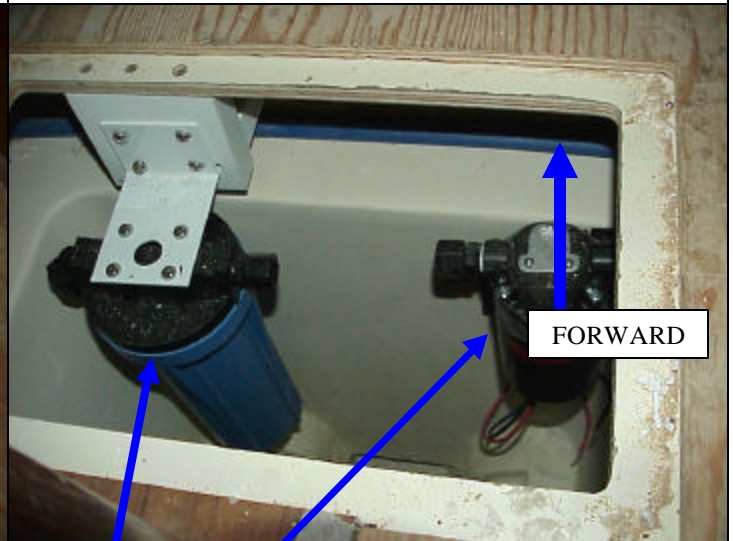
WATERMAKER IN MID SECTION OF PORT BUNK. NOTICE BUNK FACE HAS BEEN MODIFIED SO THE CONTROL PANEL ON THE WATERMAKER FITS THRU THE BUNK FACE.



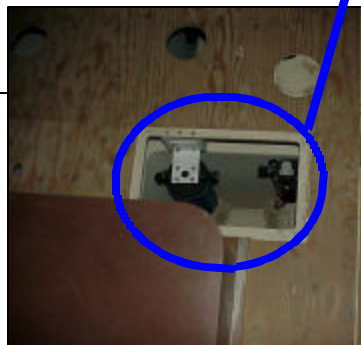
DISCHARGE THRU HULL IN FORWARD SECTION OF PORT BUNK BACKREST. HANDLE ON AFT SIDE OF BALL VALVE & POINTS UP WHEN CLOSED. OTHER END OF TUBE CONNECTED TO "BRINE OUT" ON WATERMAKER MANIFOLD.



THE BRASS HOSE BARB FOR VENT HOSE ON WATER TANK WILL NEED TO BE REMOVED SO AN ALL THREAD TEE CAN BE INSTALLED. THE TUBE FROM THE "PRODUCT OUTLET" ON THE WATERMAKER WILL ATTACH TO THIS TEE. REATTACH THE BRASS BARB & VENT HOSE TO THE OTHER END OF THE TEE.



FILTER & BOOSTER PUMP MOUNTED IN BILGE COMPARTMENT JUST FORWARD OF THE AFT-INBOARD CORNER OF THE PORT BUNK TUBE FROM PICKUP THRU HULL GOES TO "IN" SIDE OF BOOSTER PUMP. THEN CONNECT "OUT" SIDE OF PUMP TO "IN" SIDE OF FILTER. "OUT" SIDE OF FILTER WILL BE PLUMBED TO "IN" SIDE OF HIGH PRESSURE PUMP ON THE WATERMAKER.



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MIDDLE BILGE COMPARTMENT

3/4" THRU HULL, BALL VALVE (HANDLE ON PORT SIDE OF BALL VALVE & POINTS AFT WHEN CLOSED), 4" NIPPLE, & ELBOW (ELBOW FACES AFT)

SEA STRAINER FROM STOCK-ROOM. CHANGE OUT SCREEN WITH THE SEA STRAINER PROVIDED WITH WATERMAKER (FINER MESH).

WATER LINE, OTHER END ATTACHES TO BOOSTER PUMP

