

Moving the Fresh Water Tank Valves from under the Aft Bed to under the Galley Sink

On "Watermark" Catalina 320 Hull #774

Basically I followed the ideas posted previously by Wes Giles, Walter Burnett and Jeff Hare, with a few minor changes.

I used about 3.5 metres of 15mm pipe, though had to buy 5metres. I used 4 x 90 degree bends. More than described in previous installations.

After removing the galley drawer housing I cut the Forward tank feed pipe. I disconnected the valve assembly under the aft bed and, using 2 x 90 bends I connected the cut forward feed pipe to the aft feed pipe. So now I have both tanks feeding to a position under the galley sink. I disconnected the pipe from the discharge side of the pump in the aft cabin and connected it to the other side of the pump. I changed the `TEE` connector to the aft tank valve so that it connected to the stalk of the `TEE` and connected it to the forward tank valve. Then I connected the relocated pipe which now feeds the pump to the valve assemble. I connected the shortened forward tank pipe and the extended aft tank pipes to the valve assembly with two 90 degree bends.

Next I fed a new pipe under the fridge etc, and connected it to the fresh water circuit. I didn't have to move the pump or extend any pipes as this was the new piece. I also moved the `TEE` where this pipe joins into the fresh water circuit as it was to the starboard side of the galley sink drain and in the way of the newly positioned valves. All I had to do was use a longer piece of pipe from the `TEE` to the next `TEE` where the shower feed connects.

Fairly simple job took about two hours on my own. The hardest part was getting the new pipe through. I managed to get a kink in it first time, but had plenty spare.

Total cost was \$40 (Australian) plus delivery – Colin Evans August 2012



Original layout in aft cabin



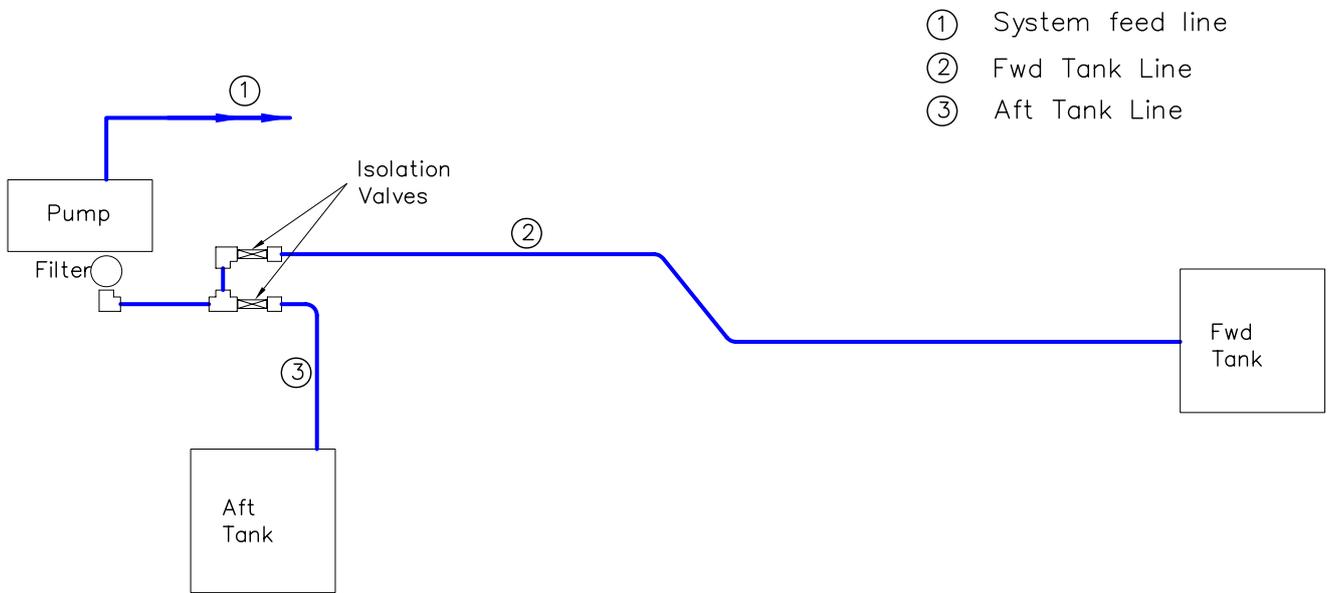
New layout in aft cabin



Original layout under sink

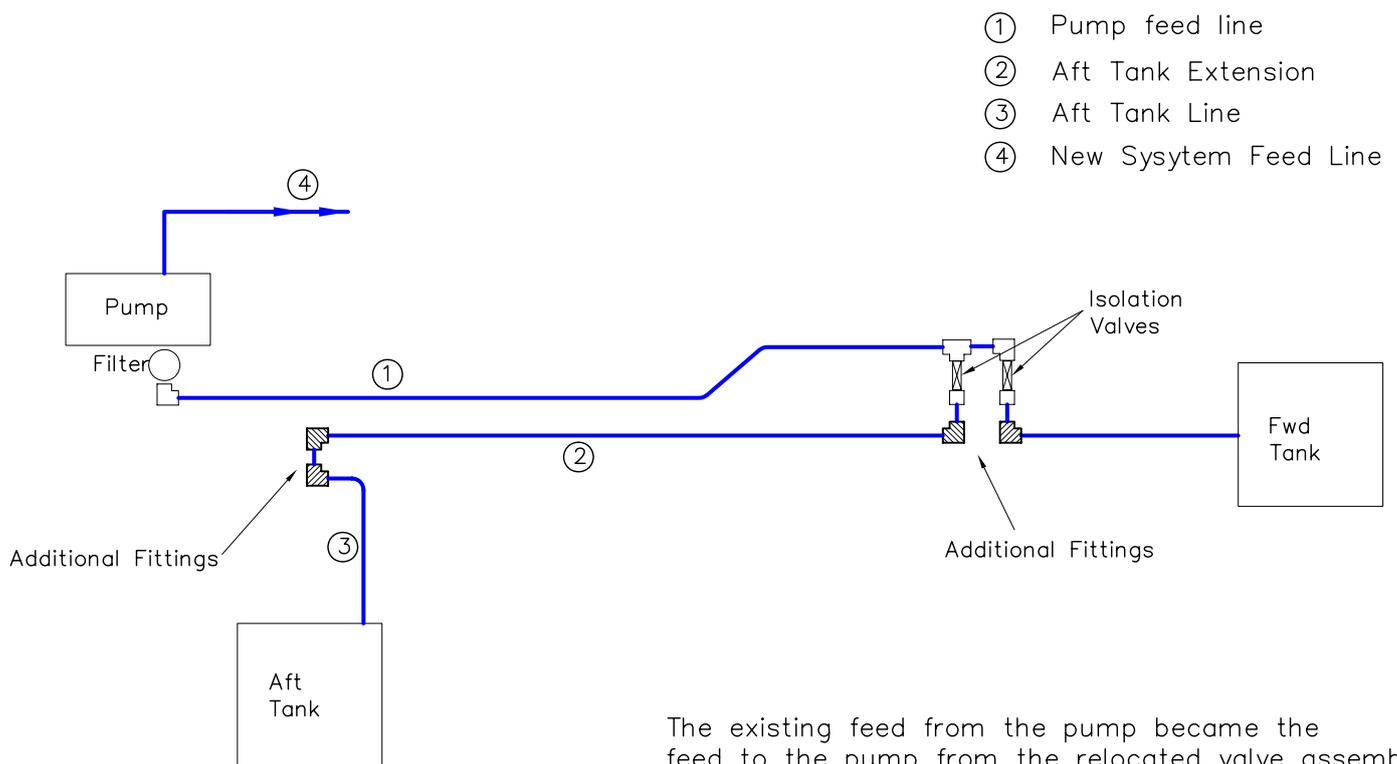


New layout under sink



Factory Fitted Fresh Water supply

Diagrammatic only



The existing feed from the pump became the feed to the pump from the relocated valve assembly. The original forward tank line was cut and the aft length connected to the aft tank to connect to the valve. A new line was fed between the pump and the cold water circuit.

Revised Fresh Water supply

Diagrammatic only