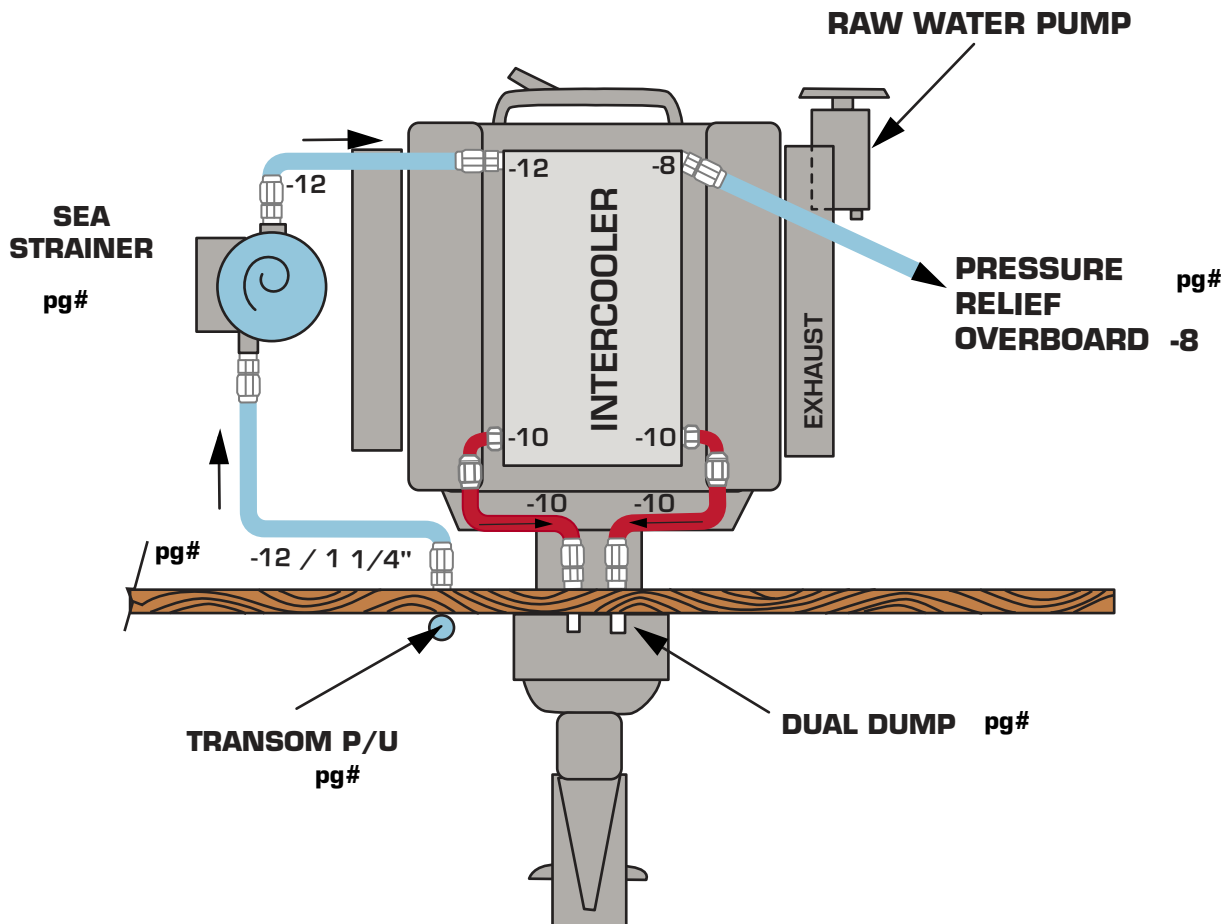


# SuperChiller Intercooler Plumbing



## INSTALLATION INSTRUCTIONS FOR SUPERCHILLER INTERCOOLER

### INSTALLATION:

The SuperChiller is to be bolted between the supercharger and the intake manifold. A complete set of properly sized studs with nuts and gaskets (or O-rings, if applicable) have been included with the SuperChiller. Use a thin layer of RTV silicone sealer on both sides of the intercooler gasket to ensure a good seal.

After installation of the SuperChiller, it will be necessary to install a longer belt. If you did not purchase a new belt with your SuperChiller, contact us for information about the proper size.

### PLUMBING:

SuperChiller should be fed through a force-fed pick-up installed through the hull or transom, through a sea strainer to filter debris, through the SuperChiller, and then dumped overboard. We recommend a -12AN (3/4") or -10AN (5/8") line from the pick-up, through the sea strainer, and into the SuperChiller, and two (2) -10AN (5/8") lines to dump overboard.

– Water flow should be restricted at lower RPM otherwise the efficiency of the SuperChiller can cause the fuel to puddle resulting in rough idle. A force-fed pickup only feeds water through the SuperChiller when the boat is moving up on plane.

– Water pressure in the SuperChiller is required to achieve the heat transfer that creates the performance increase. It is important to maintain 15 to 20 PSI in the intercooler when the blower is making maximum boost. Never exceed 30 PSI or damage to the Superchiller and/or engine may occur.

– Water pressure should be regulated by adjusting or trimming the water pickup to supply the recommended 15 to 20 PSI. On certain high performance or offshore applications where the boat leaves, and re-enters the water or exceeds higher speeds, it's recommended to install a pressure relief valve to bleed off excessive pressure during re-entry, preventing pressure spikes from damaging the intercooler. The pressure relief valve may be installed on the sea strainer or the opposing inlet side of the SuperChiller. TCM can supply a suitable pressure relief valve, ask for part #SC1100PRV 1/2" OR SC1134PRV 3/4".

If you have any questions regarding installation or plumbing please call Teague Custom Marine at (661) 295-7000.