

Checking of pressure valve in filler cap

Special tool: 999 6662

1. Drain off the refrigerant and connect the pressure testing device with a nipple to one of the plugged holes in the cooling system.
2. Extend the drain hose from the filler pipe with a hose the end of which is placed in a vessel containing water.
3. Apply the pressure and read off the manometer when the valve opens (water bubbles in vessel).
The valve should open at 0.9 kp/cm² (12.8 lbf/in²).
4. Remove the test equipment. Fit the plug and fill up with refrigerant.

Cleaning of heat exchanger

Clean the heat exchanger insert on signs of blocking (slow rise in refrigerant temperature).

NOTE! Check/clean the sea water filter first. Check also the sea water pump's impeller and sea water intake.

O Important! Close the bottom valve before working on the cooling system.

1. Drain off the water in the sea and fresh water systems.

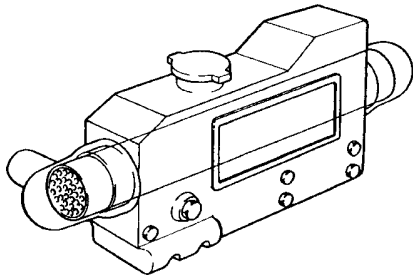


Fig. 106. Heat exchanger insert

2. Release the hose clips and remove the rubber muffs at the front and back of the heat exchanger. Pull out the insert.
3. Flush and clean the insert inside and outside. Clean also the housing.
Note: If there are loose deposits in the insert a suitable steel rod can be pushed through the tubes in the opposite direction to the flow of water.
NOTE! Make sure that the rod does not damage the tubes.
4. Fit the insert in the heat exchanger. **NOTE! Make sure that the insert is positioned correctly. Make sure that the hole in the insert casing comes opposite the hole in the housing and that the vent hole comes upwards. The insert is marked with "UP".**
Place the insert so that its extruding parts are equal at the front and back.
5. Fit the rubber muffs on the heat exchanger's front and back and tighten the hose clips. Connect the hose from the sea water pump and tighten the clip.
6. Fill up with refrigerant.
7. Open the bottom cock or the cock on the S-drive and start the engine. Check that no leakage occurs.