

Overheating - 1988 Sea Ray 135 and 175

Some 1988 Sea Ray V135 and V175 outboards with oyster colored bucket cowls may experience an overheating condition. This condition may occur on outboards that are operated for long periods of time at full throttle in warm water. The overheating condition may be caused by restrictive water dump hole in the cowl mounting plate p/n 18103.

Check the condition of the water pump impeller and for proper operation of the thermostat and poppet valve per the service manual. Also check to assure that all cooling passages are clear. Correct any problems found and retest for overheating.

If overheating persists, modification of the cowl mounting plate is required. Use the gasket p/n 27-99776--1 as a template and scribe the triangular water dump hole opening on to the starboard side of the plate as shown in figure 1. Open the hole to the scribed line and deburr the plate (figure 2). Reassemble with new gaskets on both sides of the plate. This modification will increase water flow and reduce water pressure at 2500 RPM from 12 psi (83 kPa) to approximately 8 psi (55kPa).

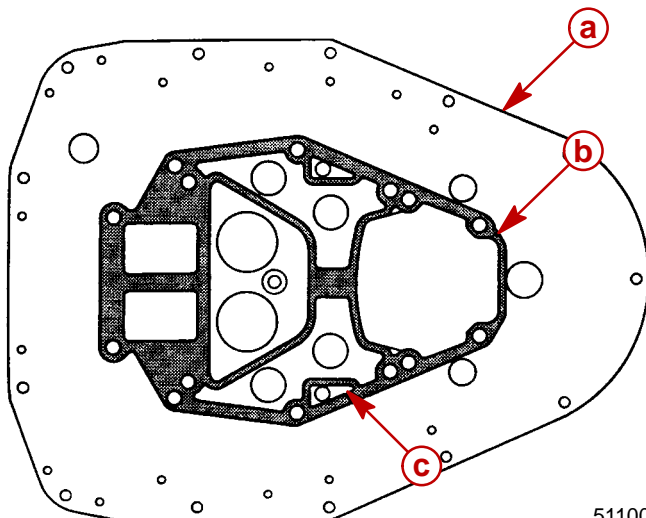


Figure 1. Top View Of Cowl Mounting Plate

- a** - Cowl Mounting Plate
- b** - Gasket
- c** - Enlarge Hole to Triangle Shape

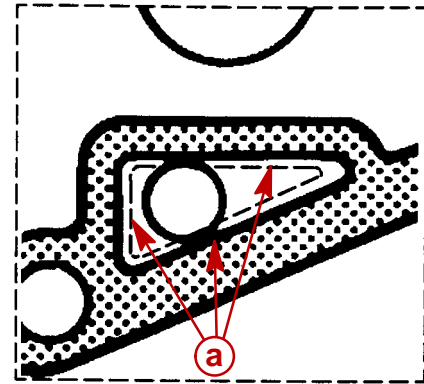


Figure 2.

- a** - Open to Edges

MODELS:

1988 Sea Ray 135 and 175 s/n 0B241881 thru 0C100861

PARTS REQUIRED:

Qty. 2 p/n 27-99776--1 (one on each side of plate)

WARRANTY:

Complete warranty claim listing:

- Outboard serial number.
- 2 Gaskets p/n 27-99776--1.
- 2.5 Hours Labor for powerhead removal, cowl mounting plate modification and powerhead re-assembly.
- 1.0 Hour for diagnosis if the restrictive hole in the cowl mounting plate caused the overheating.

Warranty is not to be claimed for a worn impeller or fouled cooling passages; etc.