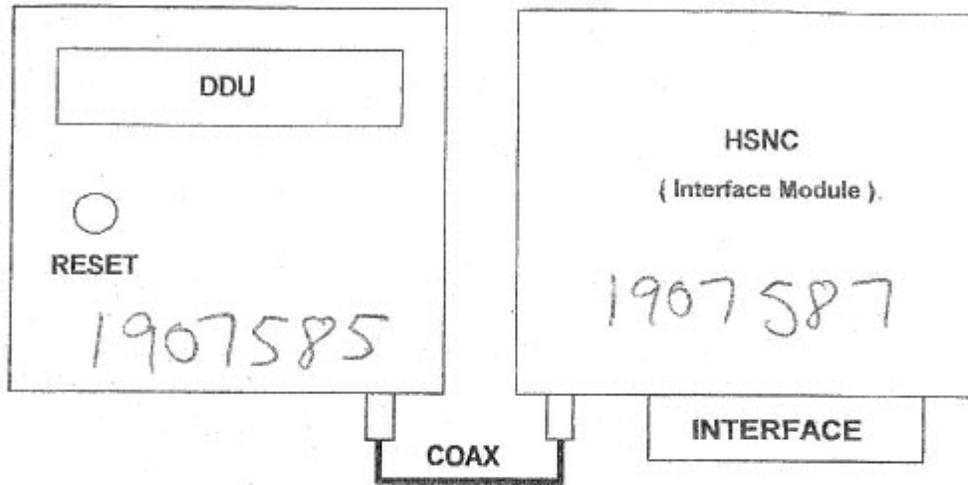


Sea Ray Systems Monitor Diagnostics

Determine the problem 1st

Sea Ray systems monitor diagnostic procedure guidelines

① SR Systems Monitor



DDU / HSNC Troubleshooting Guide

<u>SYMPTOM</u>	<u>PROBABLE CAUSE</u>	<u>FIX</u>
Display Reads Blank or Gibberish	Display Driver Not Reset.	Press and hold DDU Reset Button for 10 seconds to Reset DDU. If this does not fix it, disconnect COA from DDU, Press and hold Reset button for 10 seconds. Display should show Sea Ray Boats, All Systems Normal then flash to Data Link Failure. If Display still reads blank or gibberish replace DDU.
Display Reads Data Link Failure.	Coax or HSNC Problem.	Check Coax for short or open and HSNC. Data Link Failure means the DDU is not receiving data from the coax.
Display flashes strange stuff.	Data Garbled from Data Link (Coax).	HSNC is sending bad data or DDU is getting interference. The COAX may have an open in the shield, or the HSNC may be defective. (disconnect COAX, push Reset for 10 seconds, if Display reads Sea Ray Boats and then flashes Data Link Failure, the problem is NOT the DDU.
Display Reads Alarms ok, just the wrong alarms.	NOT THE DDU.	Interface Cable to HSNC miswired (alarms swapped) or HSNC Defective. Try new HSNC, if this fixes problem HSNC is defective, if problem not fixed Interface cable is miswired. (If miswired do not discard the HSNC's, replace in stock.)

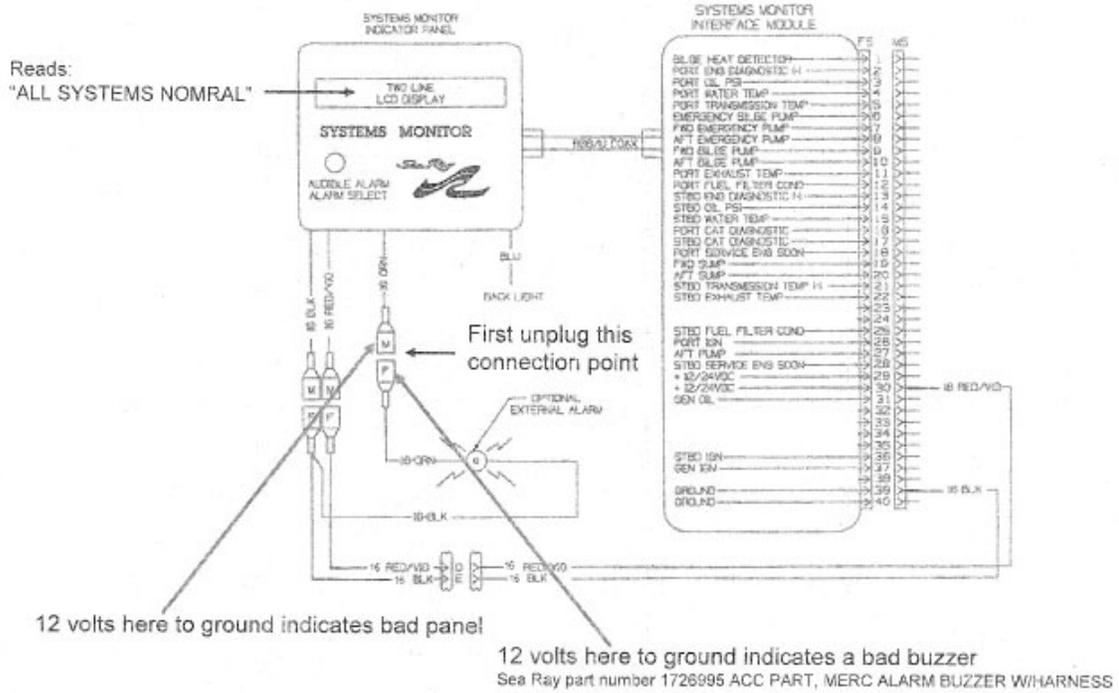
May 27 1998



<u>SYMPTOM</u>	<u>PROBABLE CAUSE</u>	<u>FIX</u>
Alarm doesn't sound	Alarm Buzzer Failure	Make sure the Display is showing a condition which should sound the alarm. If the alarm still doesn't sound, replace the DDU.
Alarm will not turn off.	Reset Button Failure	Press and hold Reset button for 10 seconds. If the display resets, the alarm turns off and then turns on again this indicates an intermittent in the interface wiring. In this case the signal in the interface is setting and resetting the alarm so quickly that it may appear to be continuous. If the Display does not reset and the alarm does not turn off for even a split second, the button is defective and the DDU should be replaced.

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With the symptom of an audible alarm only, and the Systems Monitor Panel still reading "All Systems Normal" on the display panel, follow the below trouble shooting information to determine if the panel or buzzer has failed.



REFERENCE ONLY

Sea Ray Boats Inc. ®

