



# SSS GREMLIN-LITTLE HARBOR 38



SEA SCOUT SHIP 468, ST ANDREW'S EPISCOPAL CHURCH, PEARLAND, TX

## PREPARATIONS TO MAKE WAY

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- Open bilge cover and inspect bilge water.  
**If water is covered in oil, DO NOT USE BOAT.**
- Check batteries - hooked up and no corrosion.
- Check engine cooling water intake valve open (handle vertical).
- Check raw water strainer in port lazarette
- Check and log water levels in potable water tanks (dipstick in tanks - 1 notch = 1 gallon) and fill as needed.
- Don PFDs
- Start engine following **ENGINE STARTING PROCEDURE**
- Turn AC power bus switch off in preparation for getting underway.
- Disconnect external power cord and stow in port lazarette
- Continue underway preparations.
- After leaving dock, stow fenders in forward locker.

## SECURING BOAT AT DOCK

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- Shutdown engine using **ENGINE SHUTDOWN PROCEDURE**
- Reinstall shore power cable.
- Turn both battery switches to "ALL".
- Turn off all instruments and running lights.
- Clean (swab) boat inside and out. Remove all trash.
- Place all sails in their appropriate bags and place in the forepeak.
- Secure cockpit seat cushions in port lazarette.
- Stow all flags
- **PRIOR TO DEPARTING BOAT, OPEN BILGE AND ENSURE BILGE PUMP OPERATES PROPERLY.**
- Turn DC main breaker switch OFF.
- Turn AC power bus switch OFF.

## ENGINE STARTING PROCEDURE

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- Check and log oil level in engine and transmission.
- Check and log level in reservoir.
- Check and log fuel quantity (dipstick in tank - 1 notch = 1 gallon).
- Turn black battery switch (aft of chart table) from "ALL" to "1".
- **WARNING: Never switch battery to OFF while engine is running!!**
- Turn Ignition Main (on electrical control panel) on.
- **WARNING: Never turn Ignition Main OFF while engine is running!!**
- Insert key in switch (on cockpit control panel) and turn to on.
- Open throttle about 1/4 and ensure gearshift is in neutral.
- Engage starter (aft black pushbutton on cockpit control panel).
- Engine should start right up. If not, repeat sequence.
- **[Do not repeat more than twice]**
- Check and log oil pressure (normal ~40-50 psi).  
**If no oil pressure, shut down engine immediately!!!**
- Check and log for water discharge from exhaust.  
**If no water flow, shut down engine immediately!!!**
- Check and log ammeter indicating + (alternator charging).  
**If ammeter does not show charge, do not use boat until source of trouble has been corrected.**
- Return throttle to idle.
- Continuously monitor and log oil pressure, temperature, and water flow.

## ENGINE SHUTDOWN PROCEDURE

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- Assure engine instruments are normal and throttle is at idle.
- Push engine solenoid kill switch (forward black pushbutton on cockpit control panel).  
**WARNING: Do not hold switch down for more than 5 seconds!!!**
- Turn key (in cockpit control panel) off  
**WARNING: Do not turn key off prior to stopping engine!!!**
- Turn Ignition Main (on control panel) off  
**WARNING: Do not turn Ignition Main off prior to stopping engine!!!**
- Turn black battery switch to "2" to use house batteries for power while underway or to "ALL" while under shore power.