

HARBOR MODELS 12 VOLT SMOKE GENERATOR 301-IC

PREPARING FOR OPERATION

- This unit requires priming prior to first-time operation.
- Fill the reservoir with not more than $\frac{3}{4}$ ounce (20cc) of the smoke fluid included with the unit.
- To fill, simply inject the fluid into the smoke stack.
- After the initial filling, **let the unit to sit for 24 hours** to allow the fluid to be absorbed by the wicking mechanism. Now fill the reservoir up to $\frac{1}{4}$ " from the bottom. Use a marked dipstick for this purpose. Over filling will reduce the smoke effect and may damage the fan. To dump out fluid, turn the unit so that the fan faces upward.
- Connect the red wire to the positive terminal of the propulsion motor and the black wire to the negative terminal.
- A switch should be installed to control running of the unit.
- Strap or Velcro the unit as low in the boat as possible to maintain a low center of gravity.

OPERATION

- This smoker is different from the previous units sold by Harbor Models. The design now includes an integrated circuit to produce smoke in proportion to the speed of the propulsion motor, both in forward and reverse. Therefore, when the smoker is turned on but the boat is not moving, little or no smoke will be generated.
- If you wish to have a full blast of smoke at all times, connect the smoker wires directly to the 12 volt battery. Run time will be reduced by approximately 50 % in this configuration. Energy consumption is approximately two Amps per hour at full power.
- The unit will produce smoke for approximately 30 minutes during a typical outing when speed is changed by the captain.
- During initial runs, check the fluid level after 15 minutes or when the smoke subsides. Add more fluid as necessary. The specific wicking time of each unit can vary slightly and after a few trial runs, you will be able to estimate the actual run time of your unit.
- It is important to not let the unit run dry as the unit can be permanently damaged.
- **Caution: Use only the smoke generating fluid as sold by Harbor Models. Use of other fluids or chemical combinations will not work and may be extremely dangerous. It is not possible to create a black smoke effect with this unit.**
- The fluid has a very high flash temperature and is not carcinogenic.

WARRANTY

This unit has a lifetime warranty on the heating elements. All other parts have a 1-year parts and labor warranty. Please return units directly to the manufacturer, TILLMAN BOAT AND BRONZE, 3760 10TH ST., RIVERSIDE, CA 92501, with a check for \$25.00. Units will be repaired and returned with the \$25.00 check if the repairs were covered under the warranty. The warranty will be void for units that have been opened or miss-used.

NOTICE

The Manufacturer shall have no liability for any death, personal and/or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise based on a claim that the Product failed to function. However, if the Manufacturer is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, the Manufacturer's maximum liability shall not in any case exceed the purchase price of the product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the manufacturer.