

SMOKE GENERATOR HAR301

PREPARATION FOR OPERATION

- 1 This unit requires priming prior to first-time operation.
- 2 Fill the reservoir with no more than 3/4 ounce, (21cc) of smoke fluid.
- 3 To fill, simply pour the fluid into the brass smoker tube.
- 4 After the initial filling, allow the unit to sit for 24 hours to allow the fluid to be absorbed by the wicking mechanism.
- 5 After 24 hours, fill the reservoir with fluid to a level of 1/4".
- 6 Use a piece of wood inserted into the reservoir to determine the fluid level. Over filling will reduce the smoke effect and cause the fluid to spill into the fan.
- 7 Use a fully charged 12 volt battery with at least a 7 amp hour capacity. The smoke generator will consume approximately 2 amps per hour. Connect the red wire to the red or positive battery terminal and the black wire to the negative or black terminal.
- 8 A switch should be installed to control the operation of the unit.
- 9 Install the unit on a level plane. Do not tilt or turn over the unit as fluid will run out and may enter the fan causing possible fan failure.
- 10 Secure the unit as low in the boat as possible to maintain a low center of gravity. Use the mounting flanges to secure the unit with screws.

OPERATION

- 1 Do not overfill the reservoir. After approximately 30 seconds, the unit will produce a full volume of smoke. Check the fluid level every 15 minutes
- 2 As the unit begins to runs dry, the smoke volume will lessen. This is the time to add fluid or to turn the smoker off. Running the unit when it is dry will cause overheating and failure.
- 3 If the fuse burns out, do not replace it as a short has occurred and the unit will be inoperable. Contact Harbor Models if this occurs.

ADDITIONAL CONCEPTS

- 1 The amount and force of the smoke exhaust can be controlled by the main propulsion motor speed control. Connect the positive and negative leads from the smoke generator to the motor leads from the speed control. This will require splicing; the motor leads from the speed control will go to the motor and the smoke generator. Be sure the polarity is correct. As the radio throttle is moved (in the forward position only), the fan will change speed and the temperature of the heating elements in the smoker will change.
- 2 Install brass fittings and tubing (available from Harbor Models) to create a manifold exhaust for multiple stack style boats. Other tubing, such as PVC pipe, may make the boat top heavy.

Any miss-use or modifications to the unit, or opening of the unit will void any implied warranty.