



**CAUTION:** Disconnect the battery during installation. Tighten nuts on backclamp only slightly more than you can tighten with your fingers. Six **inch-pounds** of torque is sufficient. Over tightening may result in damage to the instrument and may void your warranty.

1. The primary purpose of an ammeter is to indicate the charging rate of the generating system and to check on the current of the boat's lights, accessory and ignition equipment. Refer to the boat and engine manuals for details of the wiring system and ammeter installation wiring diagrams. Most boats make provisions in their wiring for adding in an ammeter.

2. Be certain to use stranded, insulated wire not lighter than 10 AWG that is approved for marine use. It is recommended that insulated wire terminals, preferably ring type, be used on all connections to the ammeter, except lighting, which requires a 1/4" female blade terminal. The ammeter's terminal studs should NOT be used for a common terminal for several circuits in the boat.

3. Cut a 2 1/16" diameter hole in the dash and mount the gauge with the backclamp supplied.

4. Connect a wire to the gauge stud marked "GND" (ground) and secure with nut and lock washer. Connect opposite end to the boat's electrical ground, generally available in several locations at or near the instrument panel.

5. Connect a wire to the gauge stud marked "-" (alternator/regulator) and secure with nut and lock washer. Connect the opposite end to the boat's output side of its alternator or regulator.

6. Connect a wire to the gauge stud marked "+" (positive) and secure with nut and lock washer. Connect opposite end to the positive (+) side of the boat's battery.

7. Connect the blade terminal adjacent to the twist-out light assembly to the positive "+" side of the instrument lighting circuit. No separate ground is required for lighting. Reconnect the battery.

**NOTE:** To change light bulb, twist out black socket assembly one-eighth turn counterclockwise until it pops out. Bulb pulls straight out of socket assembly. It is a GE No. 161 instrument lamp.