

INSTALLATION OF RAW WATER ALARM

Horn module maybe mount behind engine control panel on sailboats or behind dash on power boats. When selecting a location for horn consider the wires to remote warning light are 14" long. It is recommended that all wiring connections be made before mounting horn module. Connect power from switched side of engine ignition switch. In the event of an alarm condition, turning off the ignition switch will silence the alarm. Connect black wire on band sensor to NEG(----) ground at engine block. See electrical schematic below for connection warning light. After all wire connections have been made, horn module maybe mounted using provided high bond tape. Make sure mounting surface is clean and dry.

INSTALLATION OF WARNING LIGHT.

Layout location of warning light label. Drill ¼" hole in mounting surface. If mounting on gelcoat fiberglass, run dill backwards through gelcoat. This will prevent chipping of gelcoat surface. Mounting surface should be clean and dry. Affix label and press fit red LED in hole. Make connections as shown on electrical schematic.

SENSOR INSTALLATION.

Sensor band will fit exhaust hose in the range of 2" to 7" diameter. For larger diameter exhaust hose, use extension kit for up to 14" diameter. Locate band down stream of water injection just after existing stainless steel hose clamps. Sensor should be mounted as shown in FIGURE TWO.

At sensor, form band around hose with fingers. Band should be square with hose and not at any angle. Tension band until snug and lock in place. See FIGURE THREE below . Secure wiring to exhaust hose using provided nylon wire tie. Alarm modules for V-8/6 engines will have two band sensors. Mount each band on each cylinder bank as described above.

Insure cable will not snag moving parts such as propeller shaft or belts. Keep cable way from hot exhaust areas before water injection point. Insure cable(s) will not chafe against sharp edges.

TESTING

After all connections have been made, remove and save protective caps on "Brown wires at band sensor. With ignition switch turned on, short across both brown wires. Alarm will sound and warning light will be flashing. Replace protective caps.

SPECIFICATIONS:

Specifications: 103dB horn @ 12VDC, 50mA. Pulsing on/off ~ 1.5Hz.

Operating voltage: 10.5 to 15V DC

Alarm Setpoint (fixed) 75°C (167°F)

Current draw in alarm mode 25mA

Max Current load on control wire: 0.5A

Switching function alarm condition: Control wire goes low at temperature exceeding setpoint.

Band Sensor: Nylon coated stainless steel. Max temp 150C, (302F)

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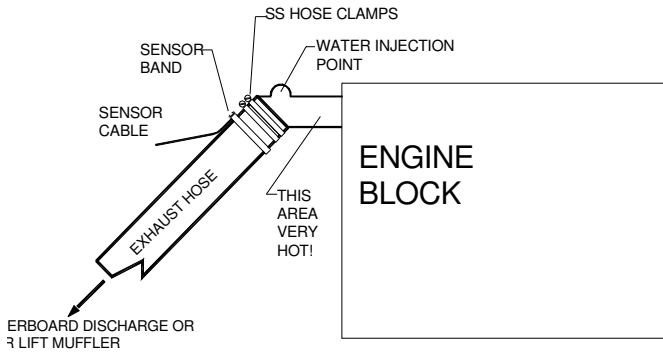


FIGURE ONE
SENSOR INSTALLATION

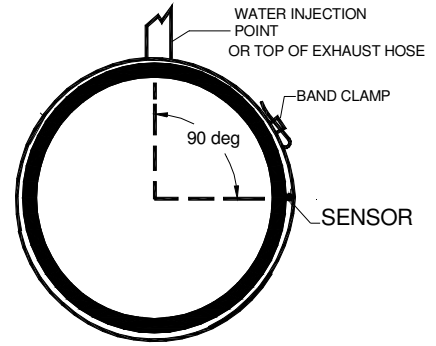
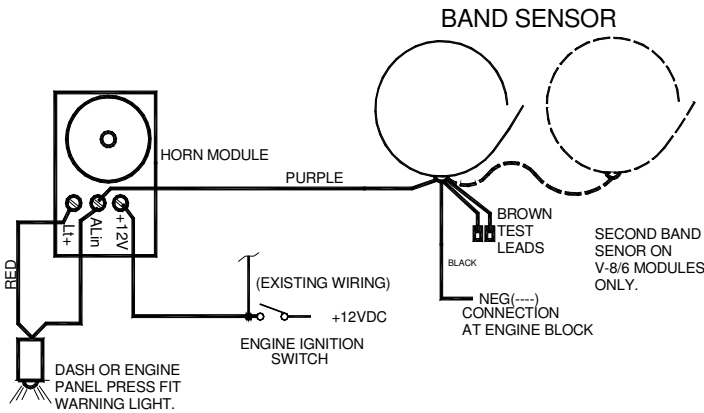
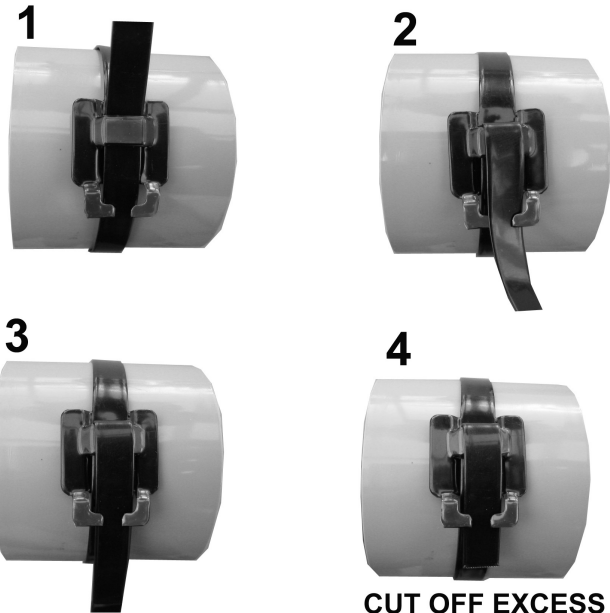


FIGURE TWO
END VIEW OF EXHAUST HOSE

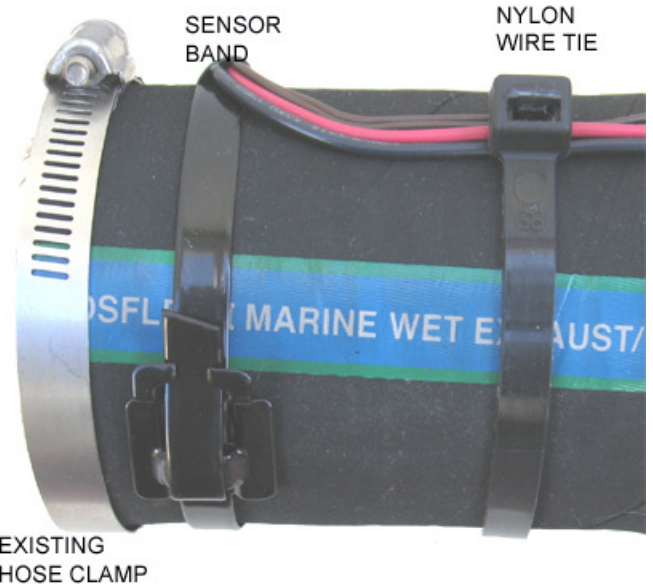


ELECTRICAL SCHEMATIC



CUT OFF EXCESS BANDING

LOCKING BAND CLAMP INSTALLATION
FIGURE THREE



TYPICAL INSTALLATION
See "FIG TWO, End view exhaust hose" for
Sensor location