

SINGLE ENGINE RAW WATER FAILURE ALARM.

ALARM PANEL MOUNTING AND CONNECTION.

Drill 1-7/8 TO 2 inch hole for mounting alarm unit. Do not attempt to remove knurled nut on face plate. Run all wires through protective boot before making any wire connections. Note: alarm panel draws no current except when in alarm. Wire alarm to switched side of ignition switch.. Turning off ignition will silence alarm.

OPTIONAL REMOTE HORN CONNECTIONS.

Remote is useful for flybridge installations. See wire diagram .

SENSOR INSTALLATION.

Sensor band will fit exhaust hose in the range of 2 to 7 inches in diameter. For larger diameter exhaust hose, use extension kit for up to 14 inch 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. Add strain relief loop in wires as show and secure 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 wires 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.

ALARM WIRING AND TEST

Wire alarm as shown in schematic below. Use tinned, stranded, marine grade wire for power in and on any sensor extension wires. Wire horn to switched side of ignition switch.. In the event of an alarm condition, turning off ignition switch will silence alarm. Connect sensor BLACK wire to local ground (Neg ----) at engine. Connect PURPLE wire to horn. To test alarm, remove and save protective caps on BROWN test port wires. Turn on ignition switch and short brown wires together. Alarm should sound and LED on front face should light. After test, replace protective caps on BROWN wires.

SPECIFICATIONS:

Operating voltage: 10.5 to 15V DC

Alarm Setpoint (fixed) 75°C (167°F)

Current draw (alarm module only) : 20mA

Max Current load on control wire: 0.5A

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

Sensor Band: Nylon coated stainless steel with fast acting thermal switch. .

Max operating temperature 150°C (300°F)

BOREL MANUFACTURING INC. • 530 344 7887 • WEBSITE: www.borelmfg.com

E-MAIL: borelmfg@earthlink.net

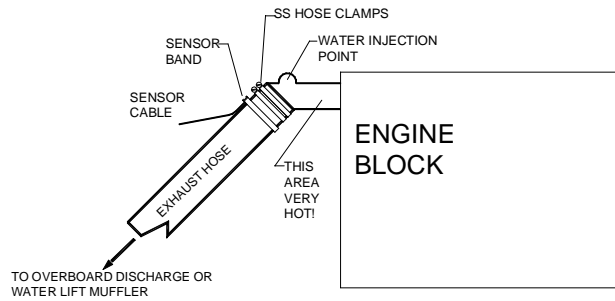


FIGURE ONE
SENSOR INSTALLATION

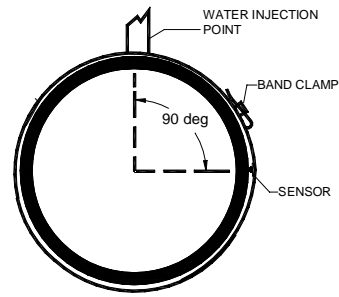
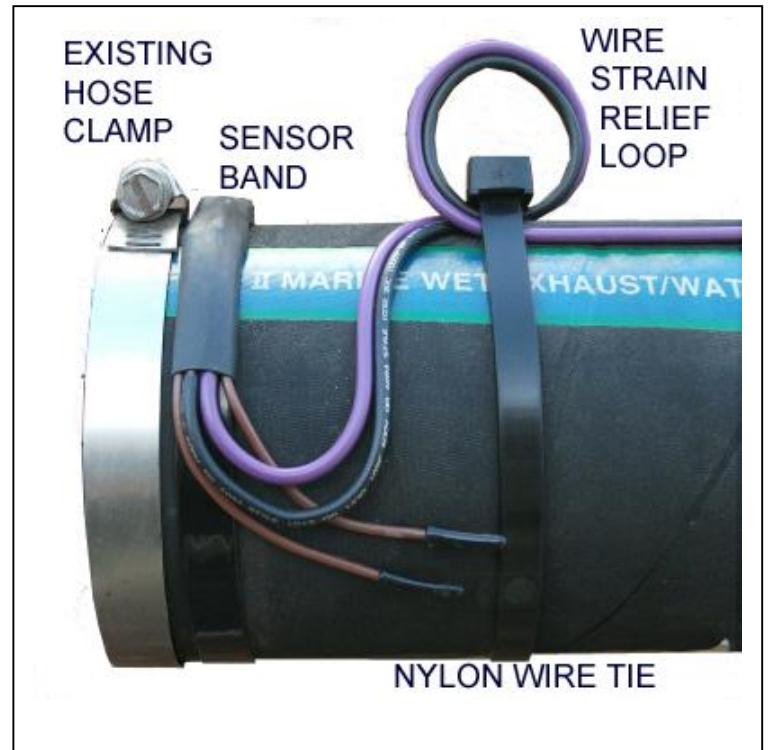
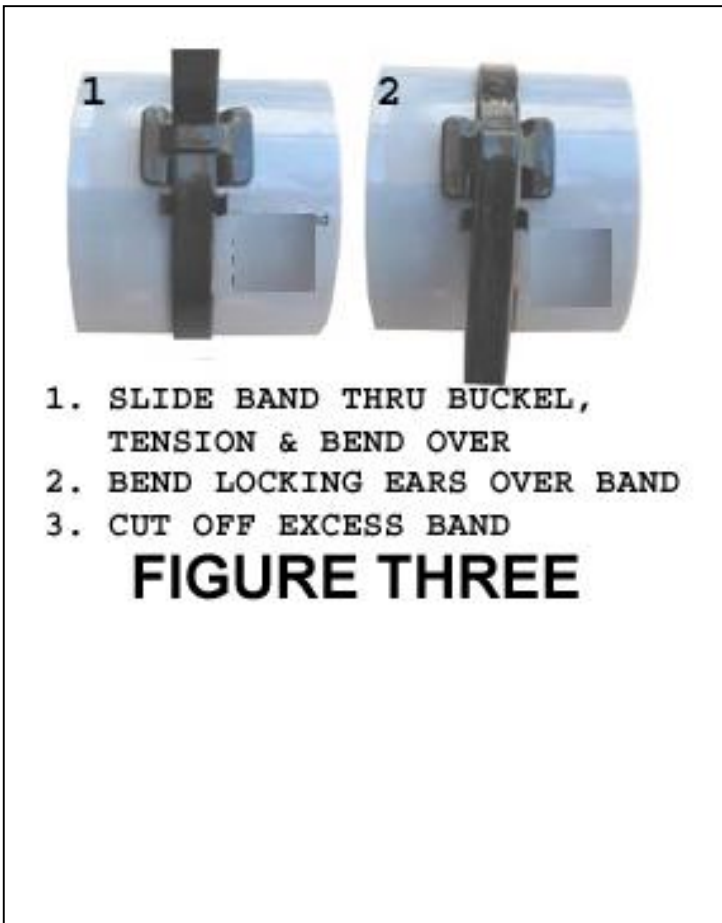
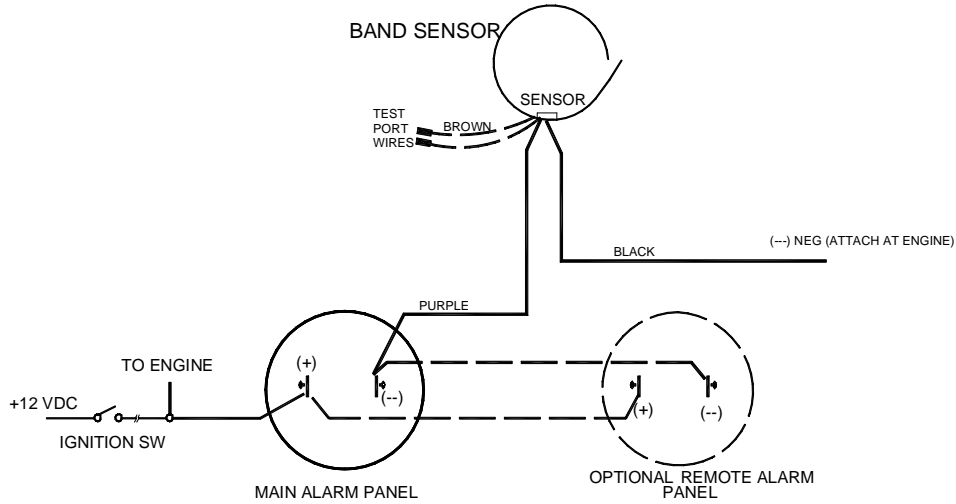


FIGURE TWO
END VIEW OF EXHAUST HOSE



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