DELUXE CORROSION CONTROLLER PART # CYM20020

THE CONTROLLER CAN BE MOUNTED ON ANY BULKHEAD OR OTHER SURFACE BY DRILLING THE APPROPRIATE SIZE HOLE. WIRE THE CONTROLLER IN-LINE BETWEEN THE ZINC AND THE BONDING SYSTEM. THE ZINC AND BONDING SYSTEM WIRING MAY BE EXTENDED TO ALLOW INSTALLATION IN A CONVENIENT LOCATION.

INSTALL THE SENSOR IN A CONVENIENT LOCATION WHERE IT WILL NOT BE SUBJECT TO PHYSICAL DAMAGE. RUN WIRE (16 GAUGE OR LARGER) FROM THE SENSOR TO THE SENSOR TERMINAL ON THE CONTROLLER, SEAL THE CONNECTION AT THE SENSOR TERMINAL WITH A WATERPROOF SEALER. DO NOT ALLOW THE CONNECTION TO REST IN BILGE WATER.

THE WIRE FROM THE ZINC ATTACHES TO THE ZINC TERMINAL. THE WIRE FROM THE BONDING SYSTEM ATTACHES TO THE D.C. GROUND TERMINAL. THESE WIRE SHOULD BE #8 GAUGE OR LARGER.

TO USE THE METER, HOLD THE 'TEST' BUTTON DOWN FOR 5 TO 6 SECONDS, THEN RELEASE AND READ THE METER AFTER THE NEEDLE HAS STABILIZED (USUALLY 2 TO 3 SECONDS). THE METER WILL DE-ACTIVATE IN A FEW SECONDS TO SEVERAL MINUTES

THE ZINC CAN ONLY PROTECT METAL THAT IS BONDED AND CONNECTED TO THE CONTROLLER. ACCESSORY ZINCS ON SHAFTS, RUDDERS OR OTHER BONDED FITTINGS SHOULD BE REMOVED.* A LOOP WIRE TO THE RUDDER SHAFT AND A SHAFT BRUSH TO THE SHAFTS MAKE A WELL BONDED SYSTEM. READ OUR CORROSION WORKBOOK FOR MORE INFORMATION.

REMEMBER

- ALL BONDING CONNECTIONS SHOULD BE VISUALLY INSPECTED AND SEALED, AND CHECKED AT LEAST TWICE A YEAR WITH A PORTABLE CORROSION TEST METER TO ASSURE CONTINUOUS PROTECTION

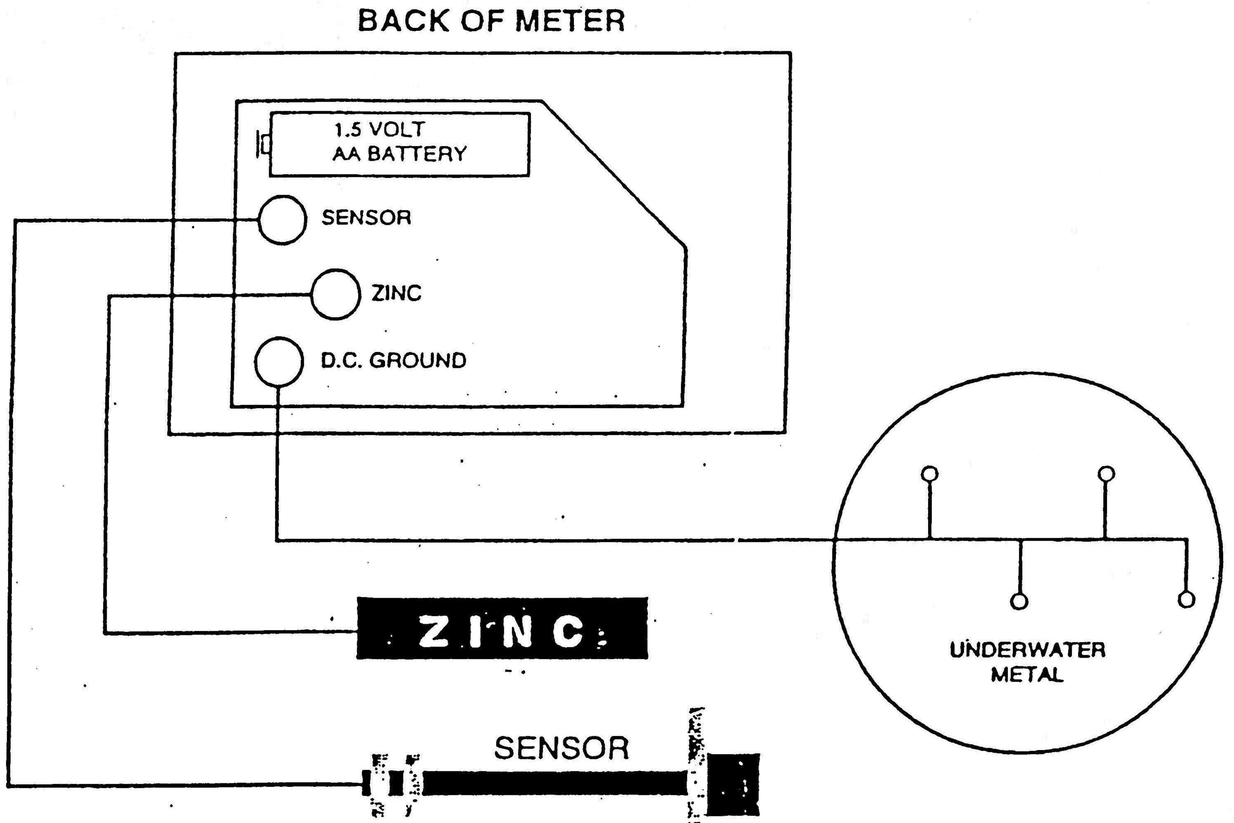
- BATTERY SIZE IS AA. CHANGE BATTERY ANNUALLY. DROP IN VOLTAGE FROM NORMAL TEST READING WHILE PRESSING TEST BUTTON INDICATES A WEAK BATTERY.

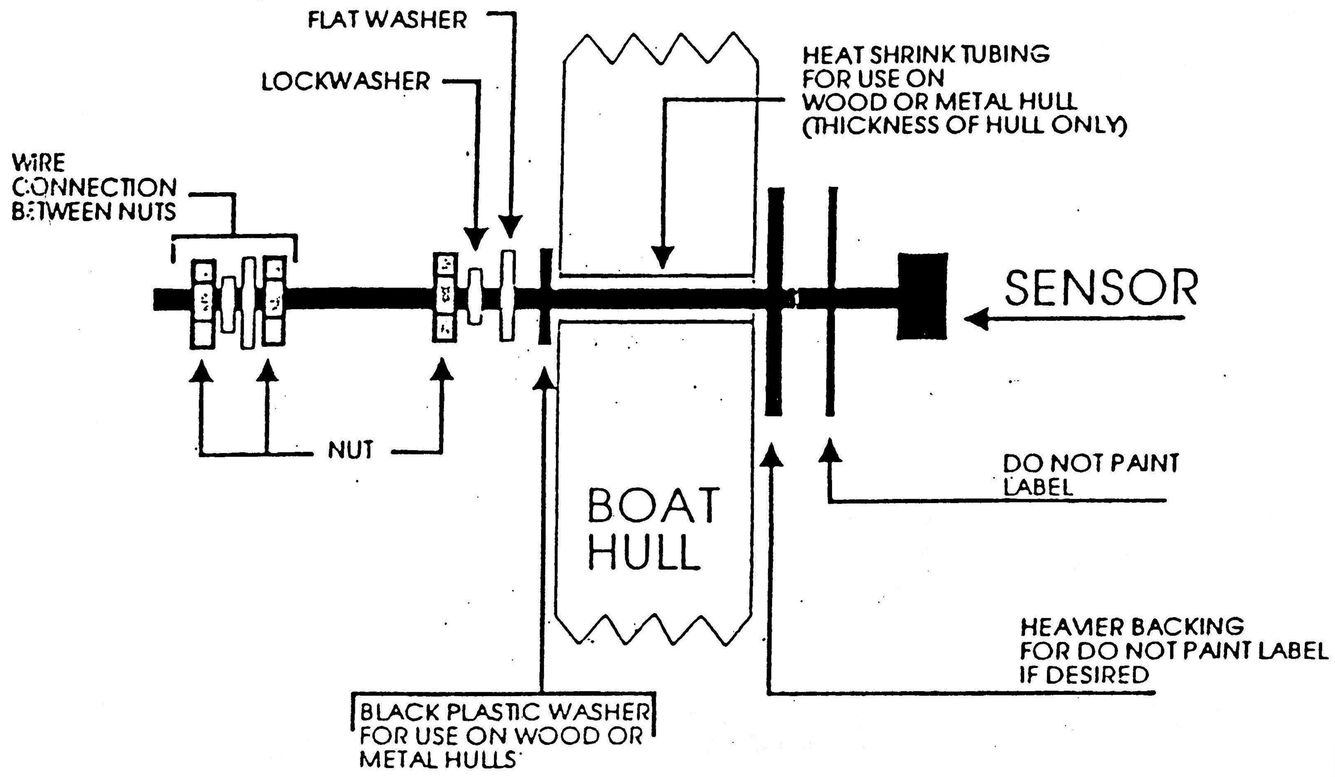
- DO NOT PAINT SENSOR, ZINC OR ZINC PADS

- PROTECT METER FROM SEVERE VIBRATION. VIBRATION AND SHOCK CAN DAMAGE METER MOVEMENT.

- UNDERWATER GROWTH CAN EFFECT METER READINGS. CLEAN UNDERWATER SURFACE OF SENSOR AT LEAST 4 TIME A YEAR. RAPID DE-ACTIVATION OF METER INDICATES A FOULED SENSOR.

*REMOVING ZINCS FROM FIBERGLASS HULLS IS NOT IMPERATIVE - ONLY WOOD IS DAMAGED BY OVERVOLTAGE. THE CONTROLLER WILL ONLY CONTROL ZINCS THAT ARE CONNECTED THROUGH THE CONTROLLER TO THE BONDING SYSTEM.





CORROSION SURVEY

DATE:_____

Name of boat _____

Style and make of test equipment _____

Highest voltage metal in underwater system _____

(Metal-voltage (in seawater) : -Aluminum 625, Steel 425, Bronze 200, SS Steel 50/450)

Read test zinc beside boat - voltage is _____

All immersed metal is electrically connected (bonded) and the voltage is _____

Disconnect batteries - bonding system voltage is _____

Pull shore cord - bonding system voltage is _____

Dock A.C. ground reading is _____

Connect shore cord - bonding system voltage is _____

All D.C. equipment operated and no voltage change _____

All A.C. equipment operated and no voltage change _____

ZINC SAVER TEST

Disconnect wires on one side of the installed unit:

Read continuity between wires still connected to disconnected wires. There should be no circuit.

Continuity:_____: No continuity:_____

Read diode check across zinc saver. Change leads and read opposite direction. Both readings should be approximately the same both ways + or - 15%. Readings will vary between styles of meters.

Diode check - left to right_____right to left_____

BONDING CONTINUITY TEST (OUT OF WATER)

Read from zinc to all protected metal parts in bonding system

All parts connected - no resistance _____

Read from zinc(s) to all bolted and associated metal parts of I/O or outboard motor

All parts connected - no resistance _____

Use digital or 50,000 Ohms sensitive analog continuity meter + or - 30 Ohms acceptable