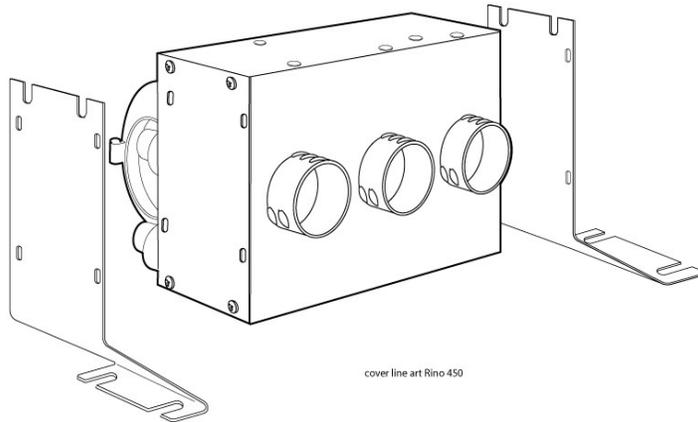


# HEATER CRAFT

## YAMAHA RHINO 450 INSTALLATION INSTRUCTIONS & OWNER'S MANUAL FOR 1102H SERIES CAB HEATERS



### **!!!CAUTION: AVOID INJURY!**

SHUT OFF ENGINE AND ALLOW TO COOL.  
THE RADIATOR WILL BE HOT AND CAN BURN SKIN.  
BUILT UP PRESSURE MAY CAUSE AN EXPLOSIVE RELEASE  
OF COOLANT WHEN REDIATOR CAP IS REMOVED.  
DO NOT REMOVE CAP UNLESS THE ENGINE IS COOL TO THE  
TOUCH WITH BARE HANDS, THEN SLOWLY LOOSEN CAP  
AND RELEASE PRESSURE. THEN REMOVE CAP.

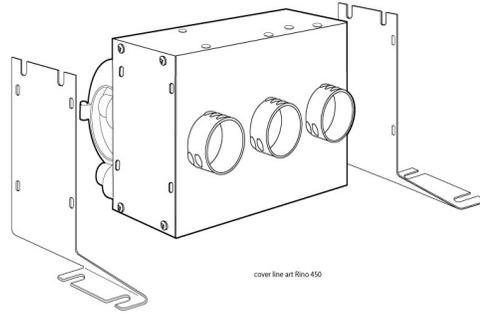
## **KIT CONTENTS:**

QTY. 1 HEATER UNIT  
QTY. 2 MOUNTING BRACKETS  
QTY. 1 OVAL VENT  
QTY. 4.00" OF TRIM RUBBER  
QTY. 8' OF 2.00" VENT HOSE  
QTY. 2 VENTS (2.00" Round)  
QTY. 6' OF 3/4" HEATER HOSE  
QTY. 1 3/4" COUPLER  
QTY. 1 3/4" FILL TEE  
QTY. 1 SPRING HOSE GUARD  
QTY. 7 #10 HOSE CLAMPS  
QTY. 10 8.00" WIRE TIES  
QTY. 6 4.00" WIRE TIES  
QTY. 1 FAN SWITCH  
QTY. 4 FEMALE SPADE CONNECTORS  
QTY. 2 5/16" RING TERMINALS  
QTY. 1 TAP CONNECTOR  
QTY. 2 BARREL/BUTT CONNECTORS  
QTY. 1 FUSE HOLDER AND 10A FUSE  
QTY. 8' SPLIT LOOM  
QTY. 8 #8-32 X 1/2" BRACKET SCREWS  
QTY. 3 #12 X 1.00" SELF TAPPING SCREWS  
QTY. 1 OVAL DEFROSTER GRILL  
QTY. 1 INSTALLATION INSTRUCTIONS/OWNER'S  
MANUAL.

**READ INSTRUCTIONS BEFORE STARTING**

### **MOUNT HEATER UNIT:**

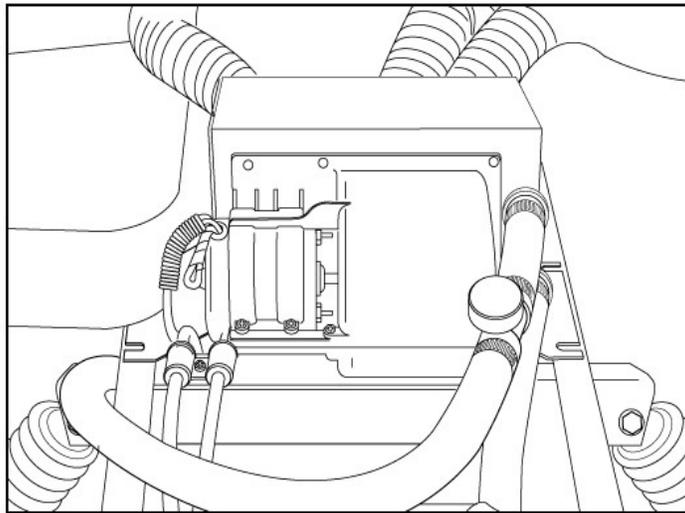
Install brackets as shown using provided #8-32 screws provided.



Remove the battery box cover and loosen the four (4) retaining bolts.

Slide open ended heater mounting bracket (passenger side) under battery box and secure by tightening the battery box retaining bolts. (vent outlets will face cab)

Secure the opposite (driver's side) bracket using the #12 x 1.00" self tapping screws through the existing holes in the top of the square tube rail.



### **PLUMBING:**

Remove lower radiator hose and drain into catch pan. Install and clamp the provided coupling in the open end of the removed radiator hose and connect the provided new hose to the opposite end of the coupling. This free end of hose will connect to the Heater's LOWER port. Use the spring guard on the first 12.00" of hose coming out of the lower port on the heater unit.

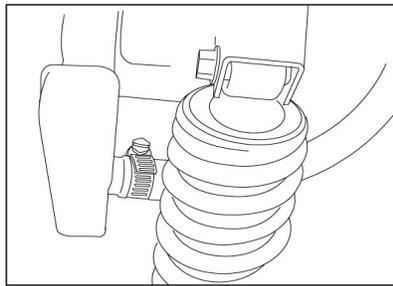


fig.2.2

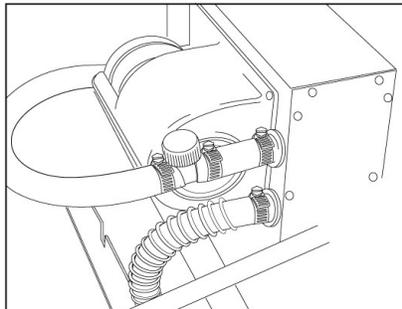
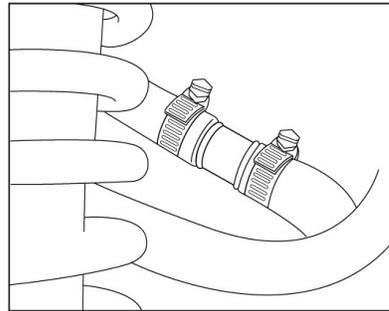


fig.2.3.1

Cut and clamp a 3.00" piece of the provided hose to the Heater's TOP port and install the Fill Tee with the cap in the upright direction. Cut the remaining hose to route to the lower radiator hose port (removed in previous step) and clamp.

**PLUMBING: cont.**

Install the 4.00" piece of Trim Rubber on the vertical edge of the radiator to protect the installed heater hose.

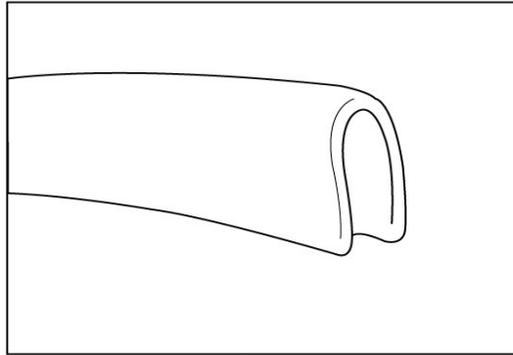
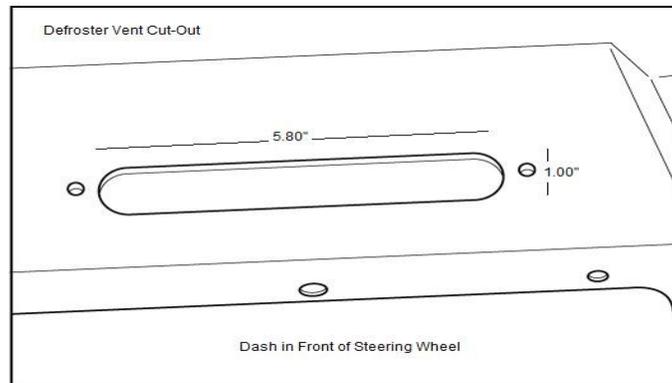


fig.2.4.1

**VENTS AND HOSE ROUTING:**

Using the oval vent's plenum as a template; center the vent in front of steering column and cut an oval slot making sure NOT to cut out the two mounting holes for the vent.



### **VENTS AND HOSE ROUTING Cont.**

Place the oval vent's plenum under the dash and sandwich the dash between the grill and plenum. Use the #10 x 3/4" screws.

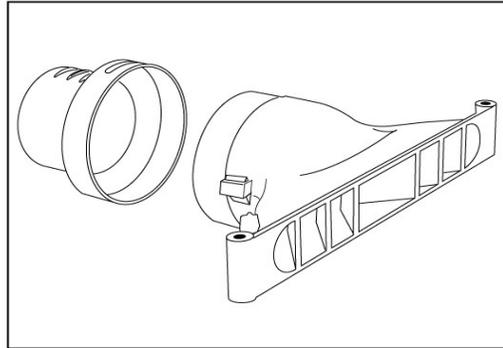
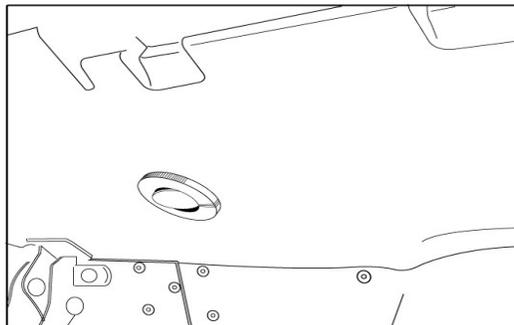


fig.4.2

Attach an adequate length of 2.00" vent hose to the Heater units far side exhaust port (driver's side) and then route and attach to the oval vent's hose flange. Secure with zip ties.

Using a 2.00" hole saw, cut openings in the Driver's and Passenger's downward slope of the dash and install the provided vents. Cut adequate lengths of 2.00" vent hose and route and connect to the two remaining exhaust ports on the Heater unit.



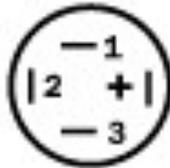
**WIRING/ELECTRICAL:**

Locate Black ground wire from heater motor and cut/route to the Negative post on the battery using the provided Ring Terminal.

Determine a place to install the Heater fan switch and drill 7/16" hole to mount the switch without the mounting plate and a 1-1/8" hole to mount the switch with the mounting plate attached for thicker dash applications.

Using the four provided Female Spade Connectors, attach the three remaining wires from the motor to the switch back following this sequence: Yellow #1, Red #2, Orange #3

The remaining post on the switch back is designated for the +12vDC fused lead from the battery or Accessory side of the Key Switch.

**FINAL:**

Fill system with 50/50 antifreeze/distilled water through the fill tee. This procedure takes time but should purge all of the air out of the system once the engine is running. Get the vehicle up to temperature and loosen Fill-Tee to purge any remaining air from the system and top off if necessary.