



# Vapir 2-S

MOCK BOX MANUAL

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# PLANNING INSTALL

If your vehicle has been or is being modified, some procedures will need to be adjusted to fit your particular application. Read below before cutting/drilling. Since this is a custom installation that will vary based on your particular vehicle, many of our procedures can be viewed as suggestions. Your personal preferences will play a major role in the actual installation.

## LOCATION OF THE UNIT

The Vapir 2-S is designed for vehicles that have “flat/shaved/smoothed” firewalls. If you have not done this you might want to make a firewall plate before starting the install.

- the design of the Vapir 2-S allows for maximum clearance in the footwell
- put the Vapir 2-S up as high as possible but will still allow duct hose to attach
- leave a min. of 6“-9” right of the unit for a/c and heater hoses to enter the engine bay
- keep in mind ECU wires are designed to mount near the a/c unit
- make sure unit is level

## LOCATION OF THE DRAIN TUBE

### IMPORTANT

Condensation forms when the compressor is active. Water exiting the evaporator uses gravity to evacuate. Water does not travel upwards.

- location of the drain tube hole must be below the unit
- use the supplied grommet and 90° elbow to create a tight seal

**TIP** Most custom installers will not want the water exit to be on the firewall and choose the passenger kick panel instead. Make sure water actually exits the kick panel area and it does not collect in the cavity between inner kick panel and outer fender.

## LOCATION OF HOSES TO ENGINE COMPARTMENT

- the Vapir 2-S has heater and a/c connections
- use bulkhead plate as a drill template

## LOCATION OF DEFROST

When running defrost ducting, make certain to cycle the windshield wipers. Duct hose can be damaged by moving wiper arms.

## LOCATION OF FLOOR DUCTS

The Vapir 2-S is designed for large vehicles so we have provided 2 floor heat dumps. Heat is non-directional so location isn't that important just make sure the air is pointed towards driver & passenger footwell. Kick panel areas are prime locations for heat dumps.

- use the supplied self tapping screws to attach to vehicle
- use supplied zip ties to secure duct hose to unit + floor ducts

## LOCATION OF VENTS

• plan 2 vents for the driver and 2 vents for the passenger  
• vents must be mounted where the air will be felt on passengers so odd locations such as kick panels are not ideal

The location of a/c vents are the single most important decision to be made during planning & install. Remember, a/c IS directional. Placement of vents is critical to comfort for driver & passenger. The vent must be close to occupant or they will not be cool & comfortable.



# USING THE MULTI-MOUNT

The multi-mount system allows for you to mount your unit flush with the inside smoothed/shaved/flat firewall - use the included mounting bracket to offset your Vapir 2-S if needed.

**FLAT  
FIREWALL**



**FLAT FIREWALL  
W/EXTENSION  
BRACKETS**

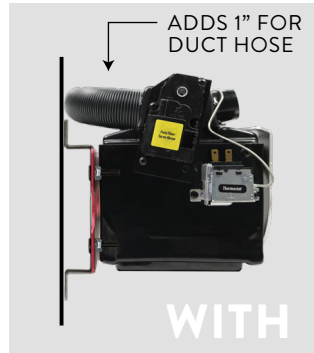


**CURVED FIREWALL  
W/EXTENSION  
BRACKETS**



## EXTENSION BRACKETS

The extensions brackets will help the defrost/floor duct hose connections on some installs.



# VEHICLE MOUNTING

## FIREWALL MOUNTING

The most common place to mount the Vapir 2-S is on the firewall behind the glovebox opening.



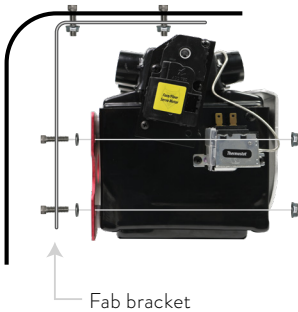
Leave 6"-9" for hoses to enter engine compartment

## CUSTOM COWL MOUNTING

In some situations, installers do not want to mount to a painted firewall. We recommend mounting from the inner cowl area found on some vehicles. Build a bracket that will "hang" the Vapir 2-S from above and secure from side to side movement. **More than one bracket will be needed.**

### IMPORTANT

Beware: before mounting, make sure you are aware of what you are mounting to.



Leave 6"-9" for hoses to enter engine compartment

### IMPORTANT

Make certain the Vapir 2-S is secure from all movement.



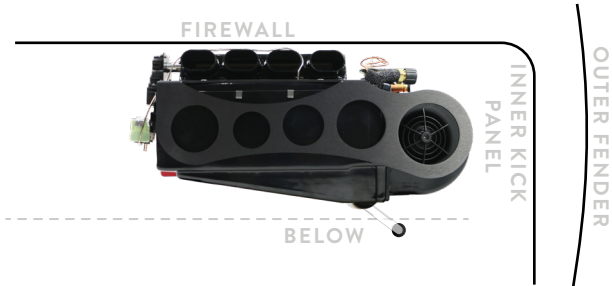
# DRAIN TUBE

## IMPORTANT

It's crucial the drain tube is angled down for water to drain - water flows down!

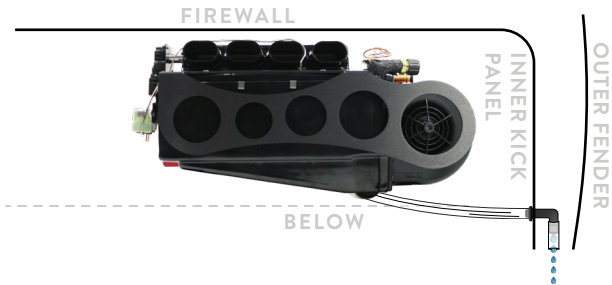
## FIREWALL

Drain tube must be below the drain nipple.



## KICK PANEL

Most custom installers will not want the water exit to be on the firewall and choose the passenger kick panel instead. Make sure water actually exits the kick panel area and it does not collect in the cavity between inner kick panel and outer fender.



# HOSES

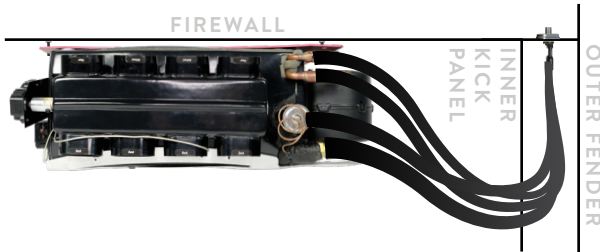
## FIREWALL WITH BULKHEAD/GROMMETS

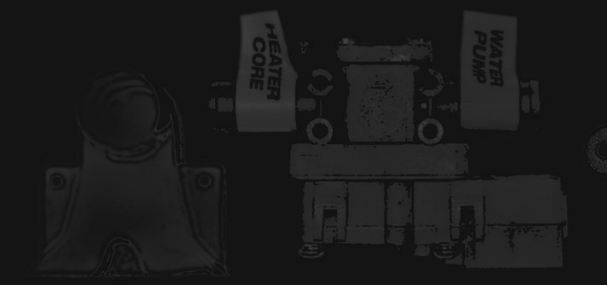
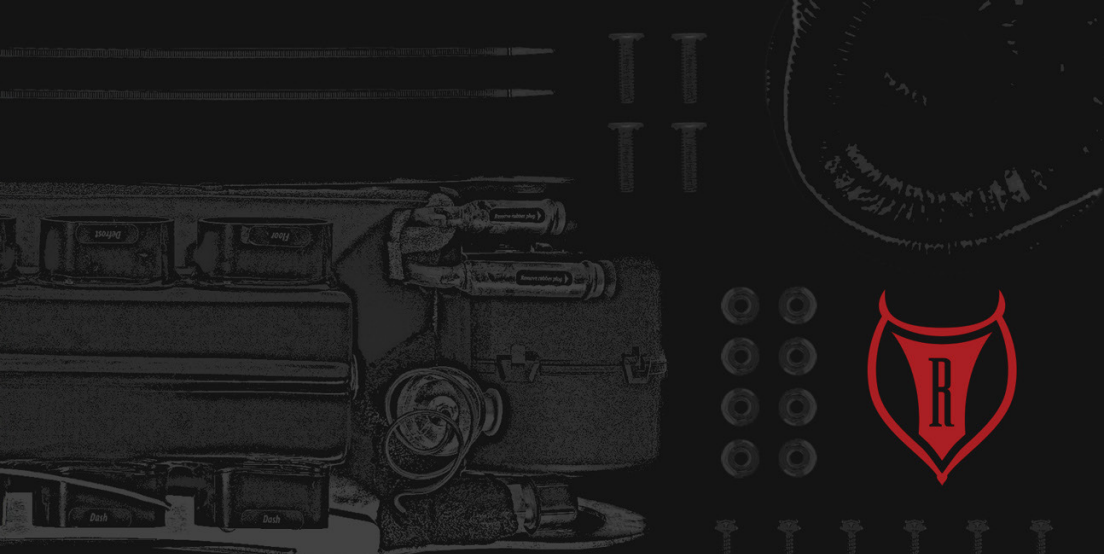
Most common



## KICK PANEL WITH BULKHEAD/GROMMETS

Some installers choose to run hoses in the far fender area via the inner kick panel. Additional length hoses will be needed (not supplied.) You will have 2 seals when going through kick panel.





# Vapor 2-S

