

Can Am Maverick Firestorm Heater Kit Instructions.



Please read all instructions before beginning installation.

When working on cooling systems always allow vehicles to cool to avoid being burned or scalded by hot coolant. Always disconnect vehicle's negative battery lead before working on electrical systems. Please note: Before drilling any holes check area behind firewall or dash panels to make sure no damage will occur by drilling holes.

Carefully cut out heater hose hole in rubber shield on firewall as shown in Figure 1 by making an X cut with a utility knife in the rubber shield.

Take the heater support brackets and install U-Nuts onto bracket as shown in Figure 2.

Remove bolt located just behind dash lower panel on center panels as shown in Figure 3. Using factory bolt place through right heater support bracket then fitting the large ¼" fender washer, install right heater support bracket as shown in Figure 3. Do not tighten bolt fully, tighten so the bracket still can be adjusted.

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Fit steering support brackets over the Maverick steering support as shown in Figure 4 and attach left heater support bracket as shown in Figure 5 using two supplied 1/4" x 3/4 bolts and nuts. Do not tighten bolt fully, tighten so the bracket still can be adjusted.

Take main heater mounting bracket and hold up under dash aligning heater support brackets, check mounting alignment. Adjust heater support brackets as needed, tighten bolts. Do not over tighten right heater support bracket bolt. Once all adjustment/alignment of heater is completed, use supplied self drilling screws to attach left heater support bracket to Maverick steering support.

Install main heater mounting bracket, defrost duct with the end tabs toward duct mounting bracket and defrost duct mounting bracket to heater as shown in Figure 6 and attach using supplied plastic mounting screws on both top and bottom side of bracket.

Using supplied heater hose, pass each end through the X cuts in the rubber shield from the **radiator side** of the firewall, do not cut hose to do this. Attach heater hoses to heater unit pushing the hose completely on the core fitting (**Please note** hose clamp placement as shown in Figure 7). Do not install temperature control valve at this time. Install heater core support bracket to hoses as shown in Figure 7. Do not over tighten through bolt.

Connect wiring loom to heater, red wire to red and black wire to black. Locate plug near the fuse box as shown in Figure 8, run wiring to the plug and use the quick connector to attach red wire of wiring loom to the red wire at plug. Connect black wire to one of the self drilling screws used to attach left heater support bracket. Reconnect battery, turn key on to check fan operation, disconnect battery. Use cable ties as necessary to secure loom as required.

Take 2.5" duct hose and pass up under the dash and over the center section to the passenger compartment as shown in Figure 9 and 10. Fit vent to vent mounting bracket, connect duct hose to vent, secure with cable tie. Decide where you wish to mount vent mounting bracket as shown in figure 10. Once position is determined, mark mounting holes and drill with 1/4" drill bit. Use supplied pushpins to secure bracket.

Optional defrost duct install, carry out this step before installing heater. Using defrost vent template as shown in Figure 13a and supplied hole saw drill holes for vents. Cut into duct hose that runs from heater to passenger compartment fitting duct Y to duct hose as shown in Figure 13b and 13c and using Figure 13d as a guide, secure hoses with cable ties. Using stepdowns attach 2" hose to y's and run each hose out to the vent holes and pass through the hole in dash and attach to vent inlet and secure with cable ties. Place vents in to holes, push down carefully until vents snap into place. **Important Tip:** Cleaning any burs from around hole with a knife will make installing the vent into place easier.

Attach Duct hose to defrost duct outlet on heater, and secure with cable tie. Lift heater up into position pushing hoses back through firewall. Fit 1/4 mounting bolts, move heater into correct position making sure the heater is not interfering with dash or steering shaft etc. Adjust heater support brackets if needed. Tighten mounting bolts. Use the supplied self drilling screws to secure steering support brackets when heater position has been finalized.

To install temperature control valve locate a suitable position in the top heater hose just behind the heater, cut hose and install temperature control valve in hose making sure the valve is not interfering with the steering shaft.

Drain cooling system by removing lower radiator hose. **Important Tip:** Raise front of vehicle on jack stands or ramps before draining cooling system. This will help in preventing air locks and you won't have to drain the whole cooling system. Cut Radiator hoses as shown in Fig 11a and 11b. Insert the Y connectors exactly as shown in Fig 11c in the

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radiator hoses. Before cutting the radiator hoses, be sure that the placement of Y's will not interfere with any part of the vehicle. Be sure the hose connected to the temperature control valve of the heater is connected to the top radiator hose. Cut heater hoses to length. Before connecting the hoses to the Y connectors, take a garden hose and run water through the heater hose and heater assembly, make sure the temperature control valve is fully open i.e. the max heat position. This will help remove air from the system and stop air locks, **this step must be carried out**. Fit hose to Y fittings and tighten clamps. Make sure all hoses are as far away as possible from driveshaft, steering shaft and sharp areas etc. Use cable ties as necessary.

Refill cooling system as per manufacturer's procedure. Start and run the vehicle at a fast idle and run up to normal operating temperature. Check for leaks. Check heater operation. Allow vehicle to cool and recheck cooling system level and coolant ratio, fill and/or alter coolant ratio as required. Refit front side wheel well panels.

If the heater fails to blow hot/warm air once the vehicle is up to operating temperature, there may be an air lock in the heater unit. Temporarily block off the top/inlet radiator hose between the Y fitting and radiator. Start and run vehicle up to operating temperature. Feel the outlet/lower hose from heater until it feels hot. The heater now should be blowing hot/warm air. Remove clamp from radiator hose. The heater should continue to blow hot/warm air. This procedure may have to be repeated a few times to remove air from system. Allow vehicle to cool, restart the vehicle and run up to operating temperature, recheck heater operation. Please note heater output will be limited at idle, all testing should be done at a fast idle.



Figure 1

Can Am Maverick Firestorm Heater Kit Instructions.

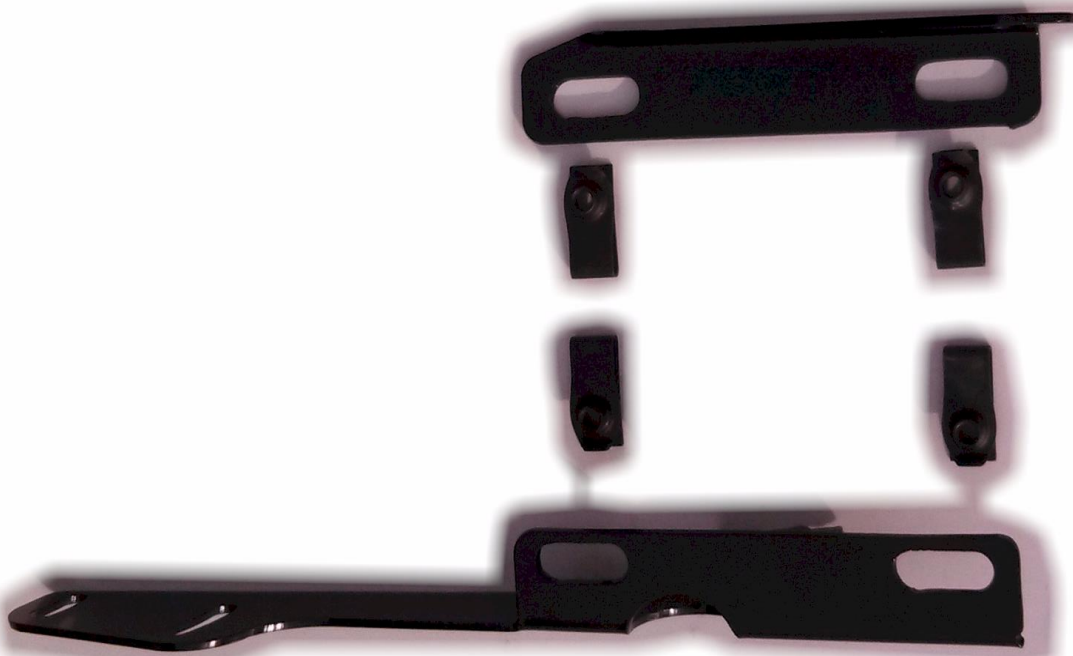


Figure 2



Figure 3

Can Am Maverick Firestorm Heater Kit Instructions.



Figure 4

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Figure 5

Can Am Maverick Firestorm Heater Kit Instructions.

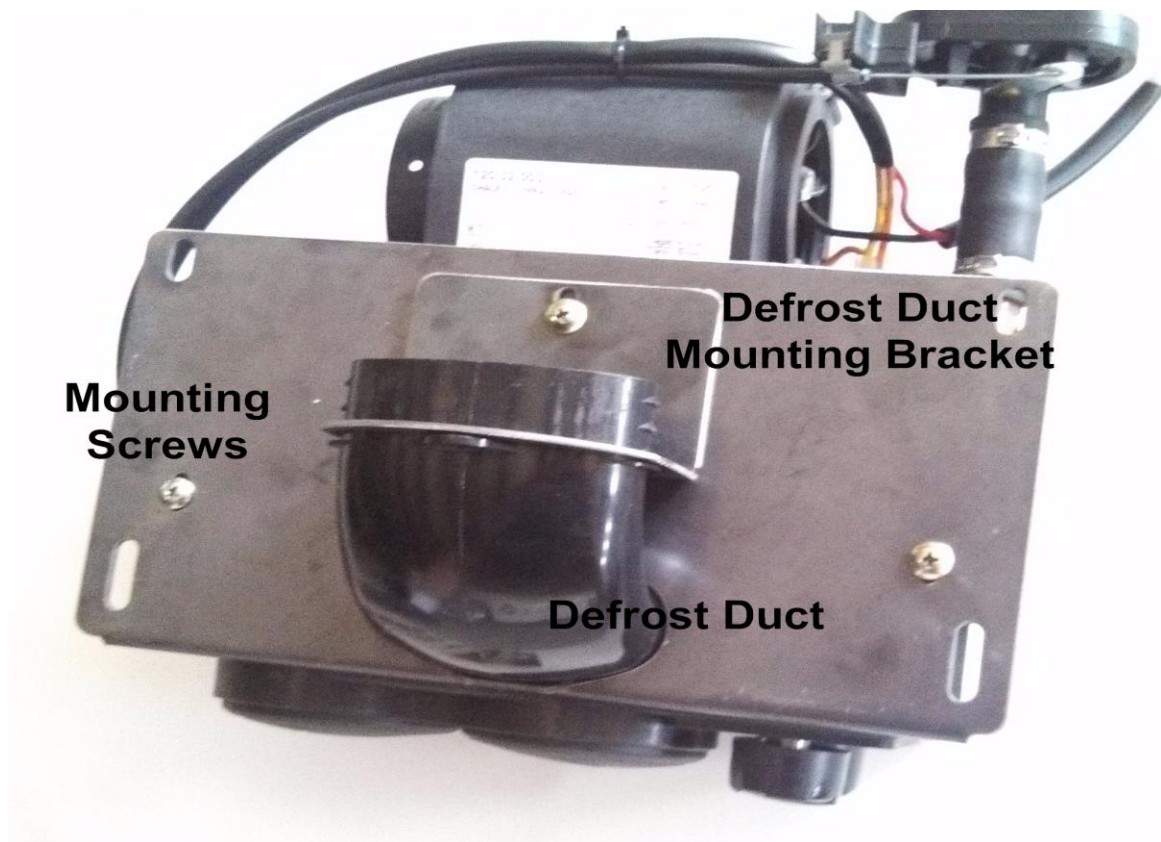


Figure 6

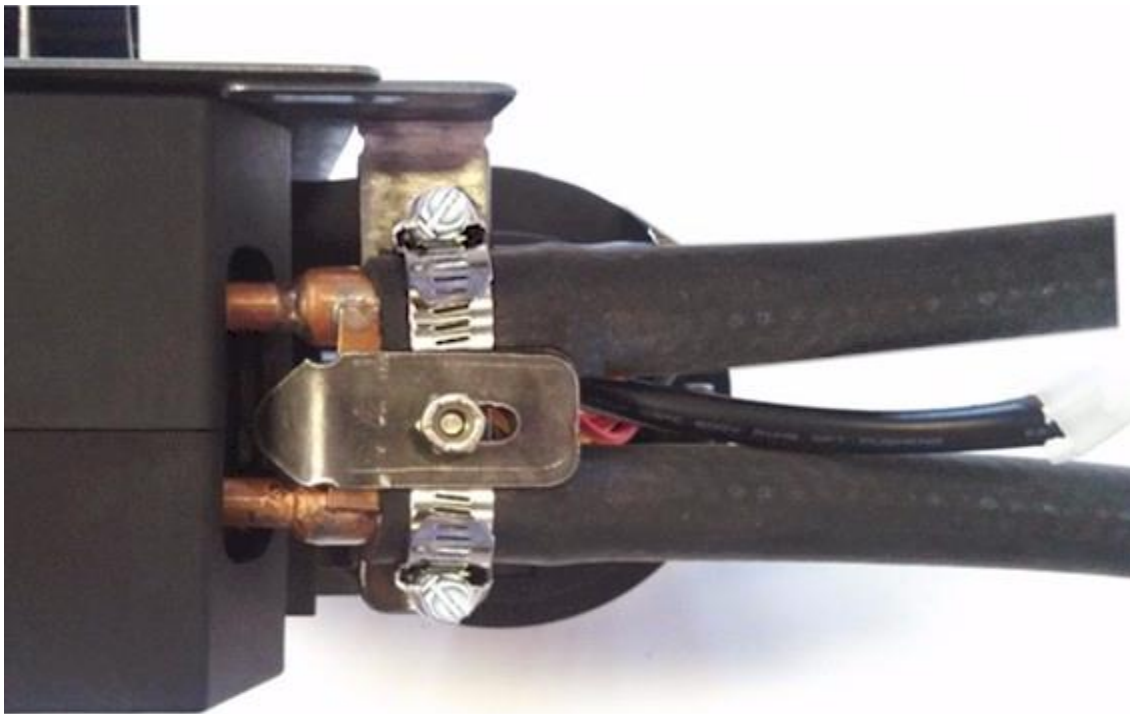


Figure 7

Can Am Maverick Firestorm Heater Kit Instructions.

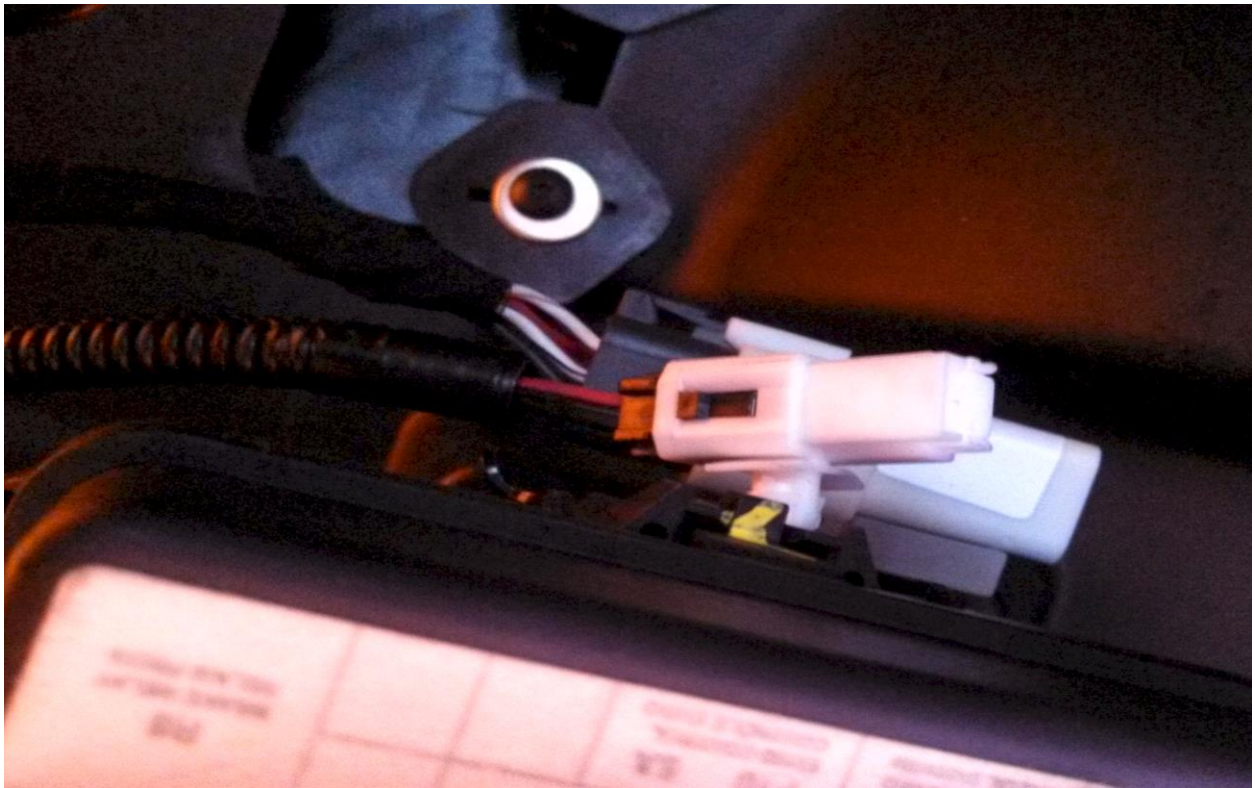


Figure 8



Figure 9

Can Am Maverick Firestorm Heater Kit Instructions.



Figure 10

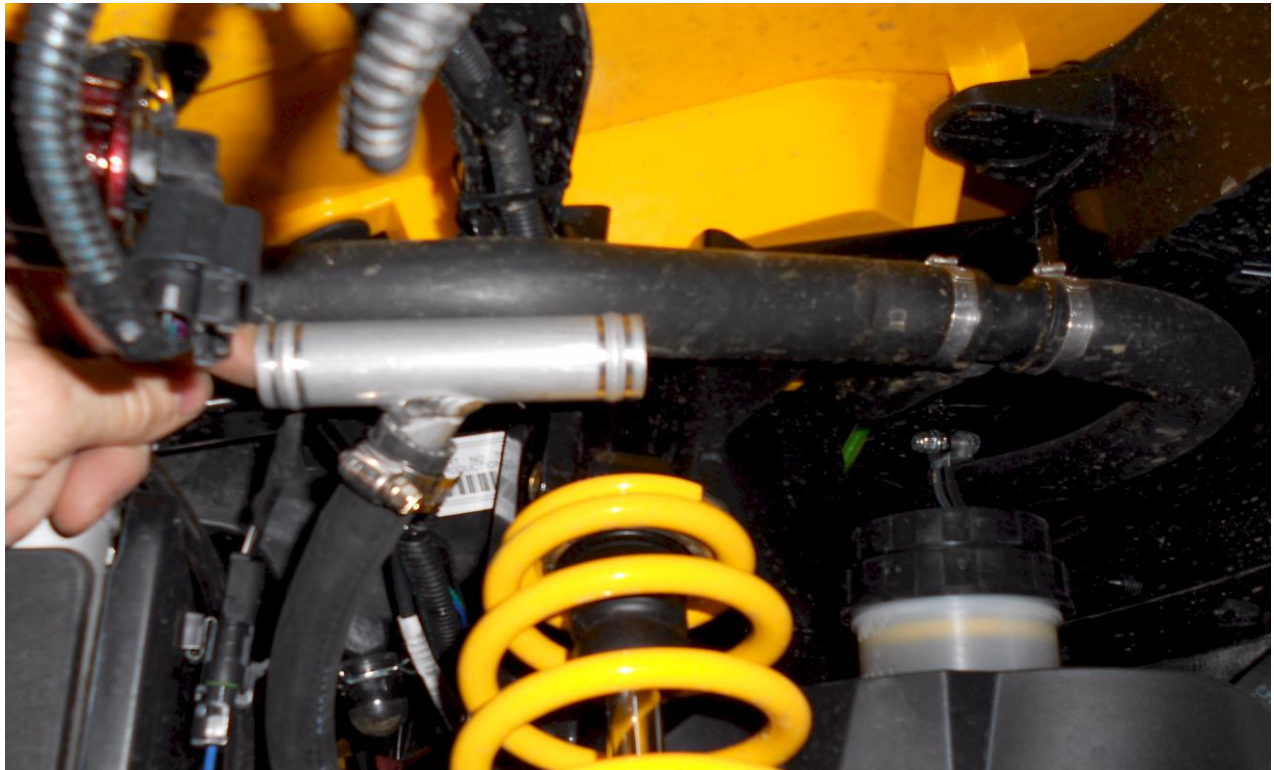


Figure 11a

Can Am Maverick Firestorm Heater Kit Instructions.

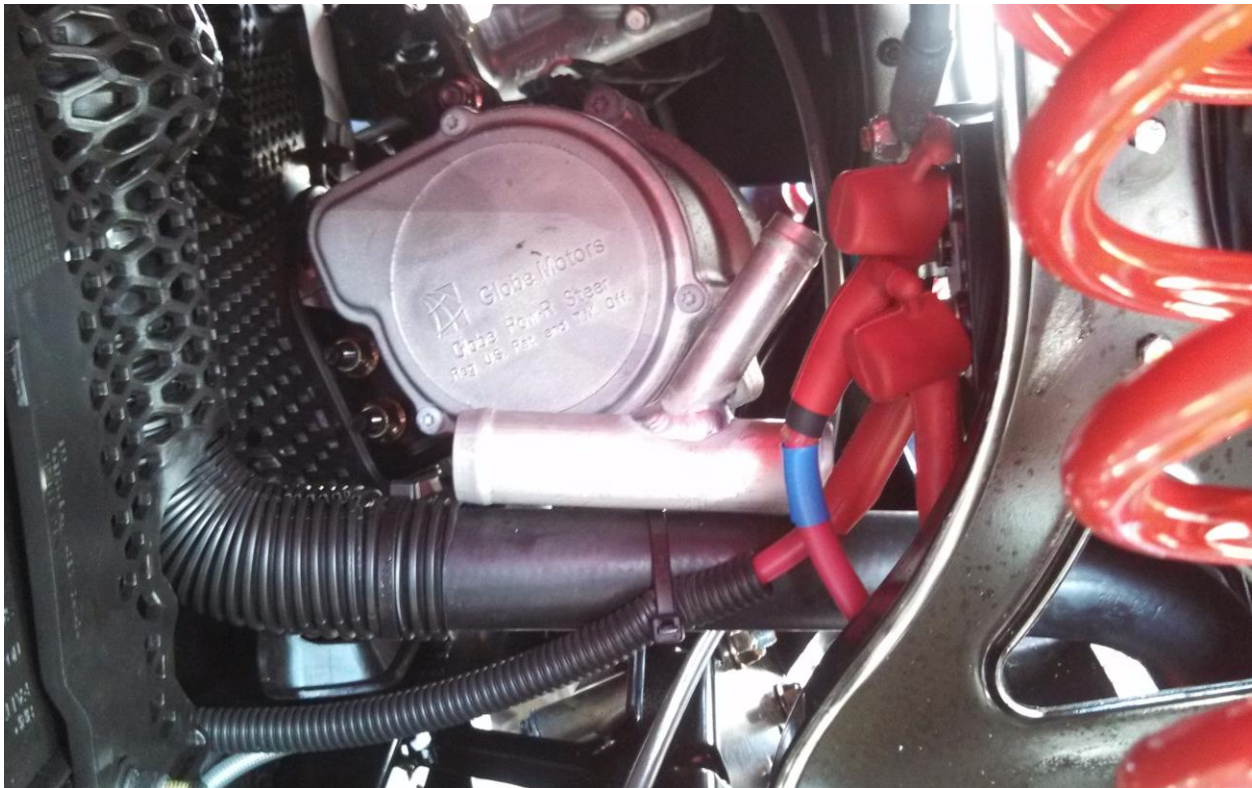


Figure 11b

Note: Inlet of heater must go to the top radiator hose

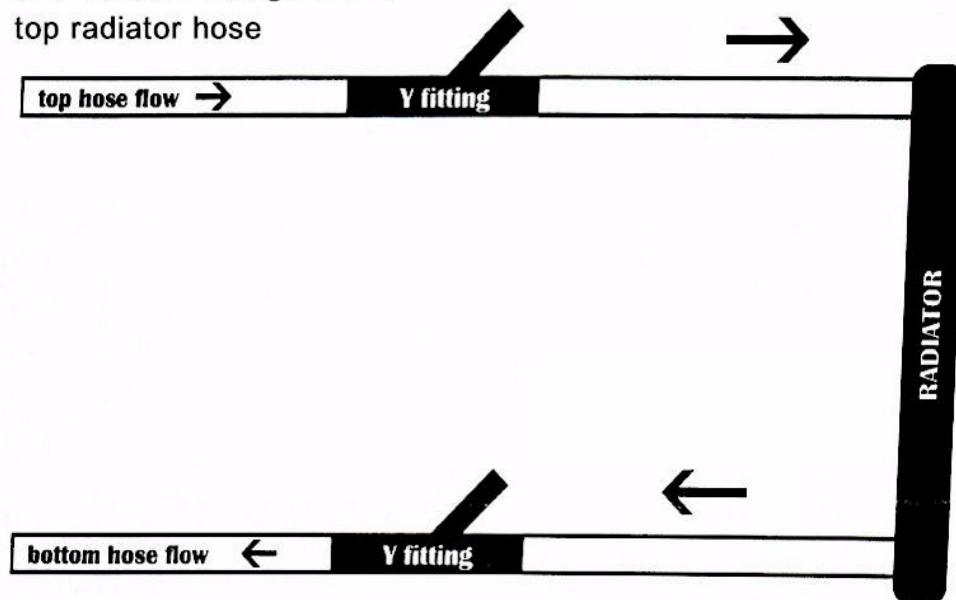


Figure 11c

Can Am Maverick Firestorm Heater Kit Instructions.



Figure 12a



Figure 12b

Can Am Maverick Firestorm Heater Kit Instructions.

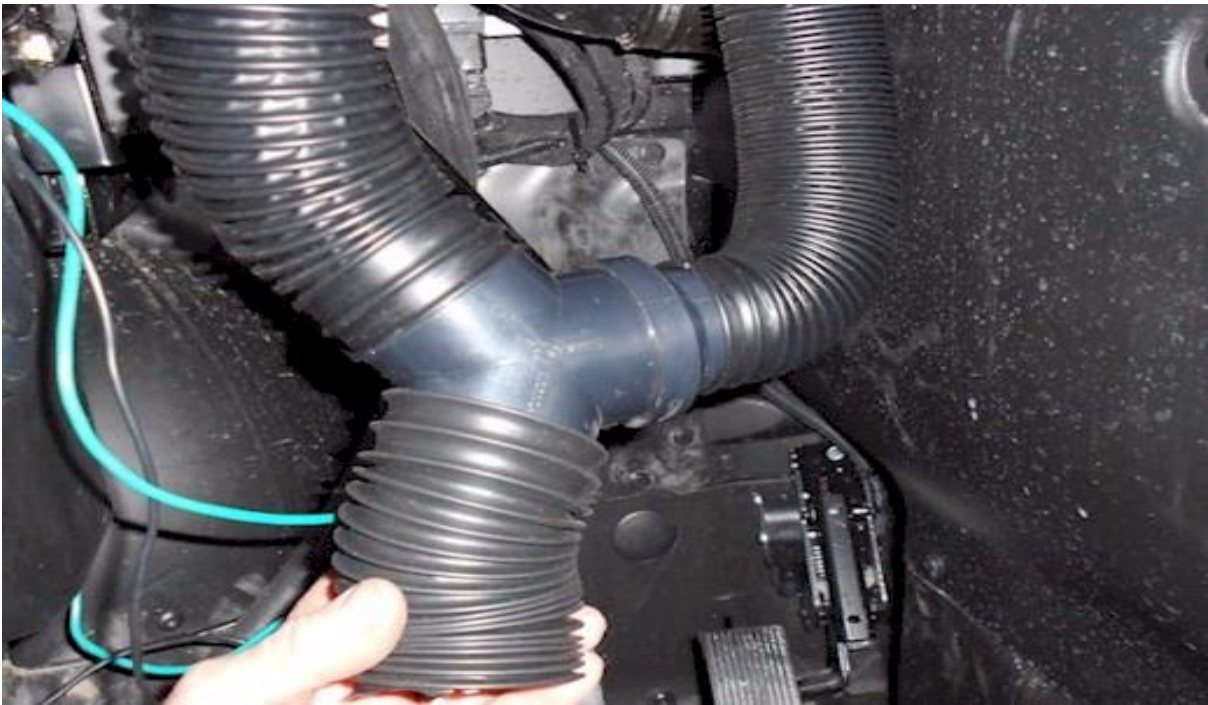


Figure 12c

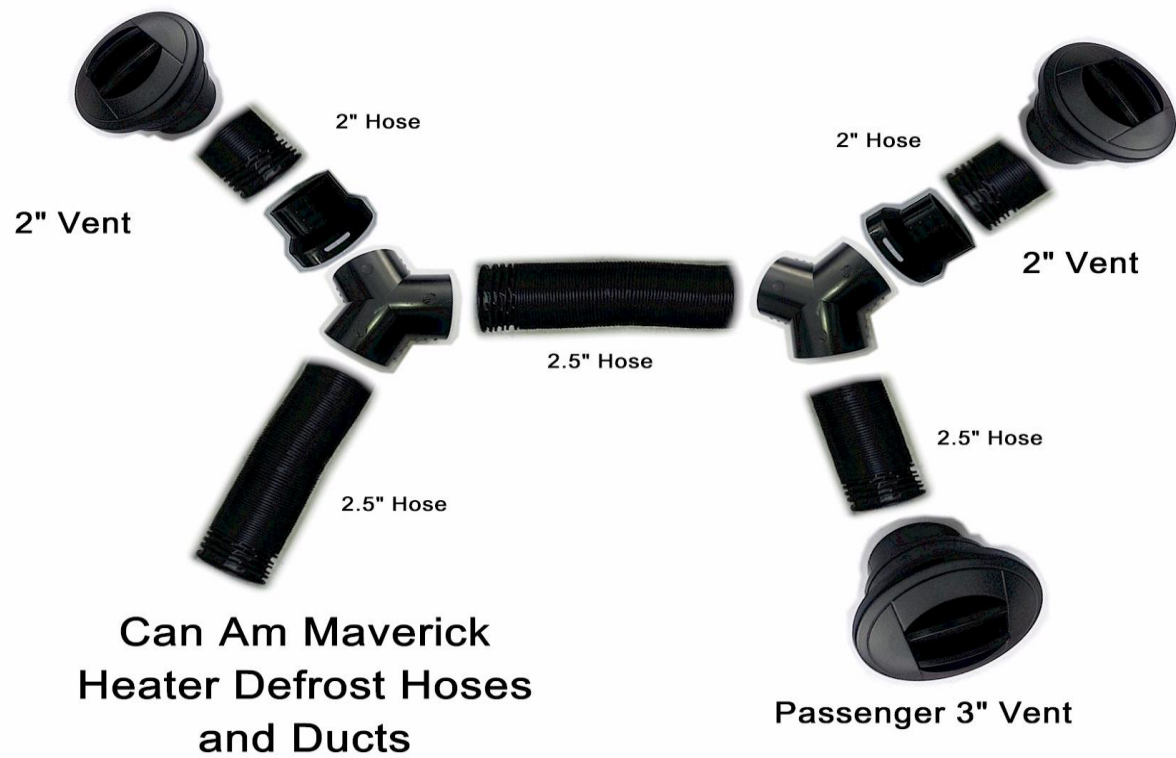


Figure 12d

Can Am Maverick Firestorm Heater Kit Instructions.



Can Am Maverick Firestorm Heater Kit Instructions.

Can Am Commander Defrost Duct Kit



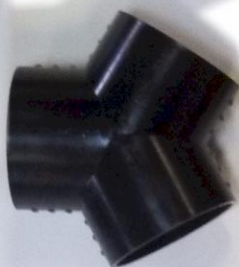
Duct Elbow Mounting Bracket



2x 2" Defrost Vents



1x 90° Duct Elbow



2x 2.5" Duct Y



9x 12" Cable Ties



2x Stepdowns



6"x 2" Duct Hose
(Compressed)

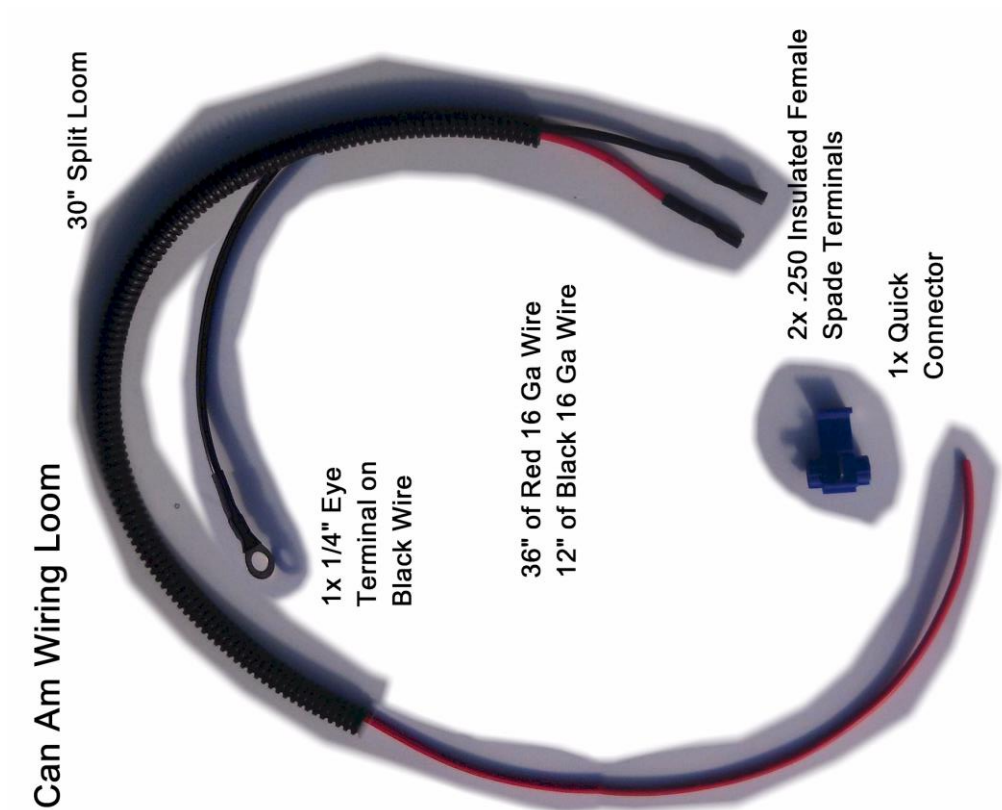


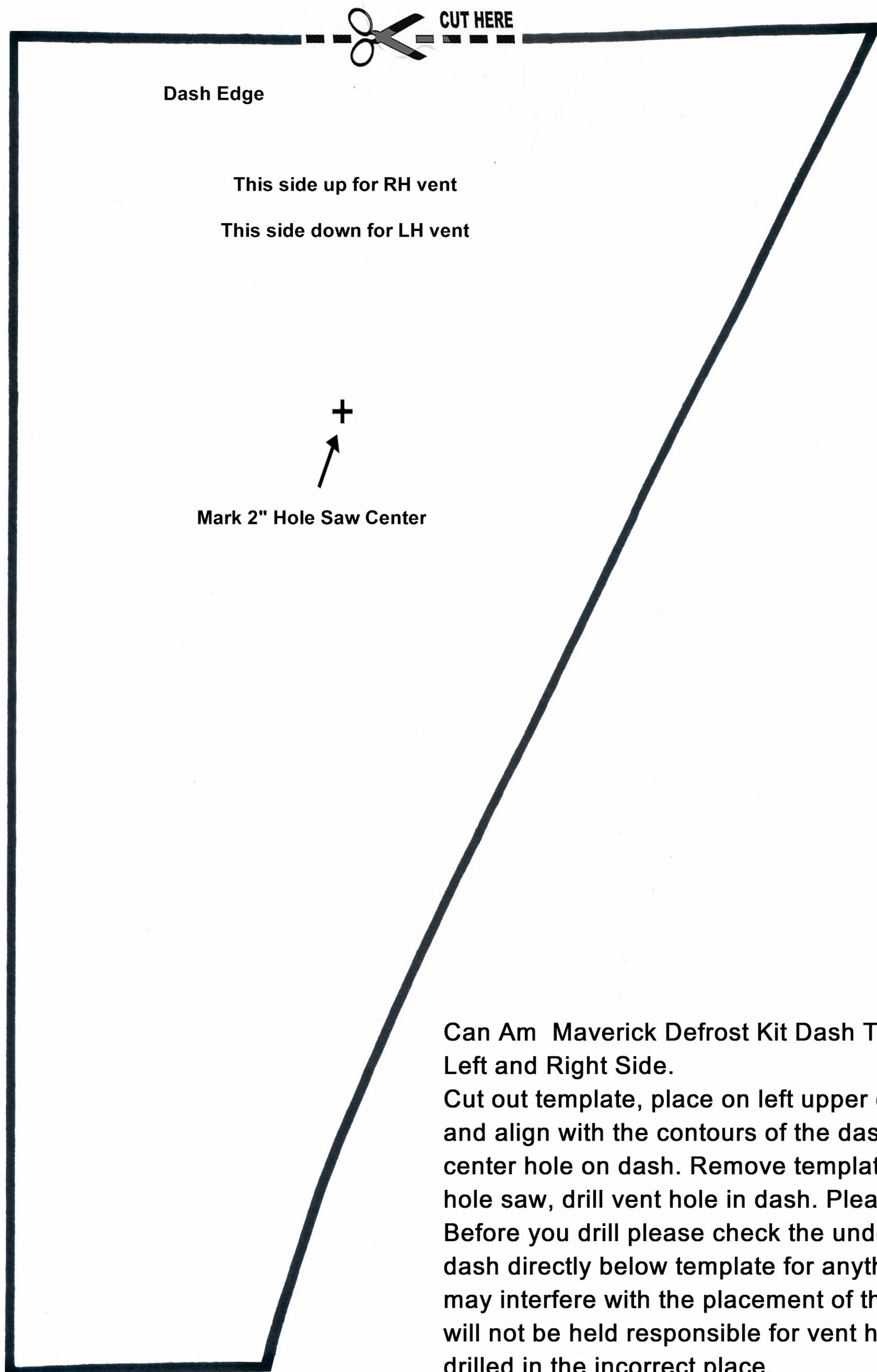
2" Hole Saw

Defrost Duct Kit If Supplied

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Heater Build Info.





Can Am Maverick Defrost Kit Dash Template
Left and Right Side.

Cut out template, place on left upper dash panel
and align with the contours of the dash. Mark
center hole on dash. Remove template. Using 2"
hole saw, drill vent hole in dash. Please Note:
Before you drill please check the under side of
dash directly below template for anything that
may interfere with the placement of the vent. We
will not be held responsible for vent holes being
drilled in the incorrect place.