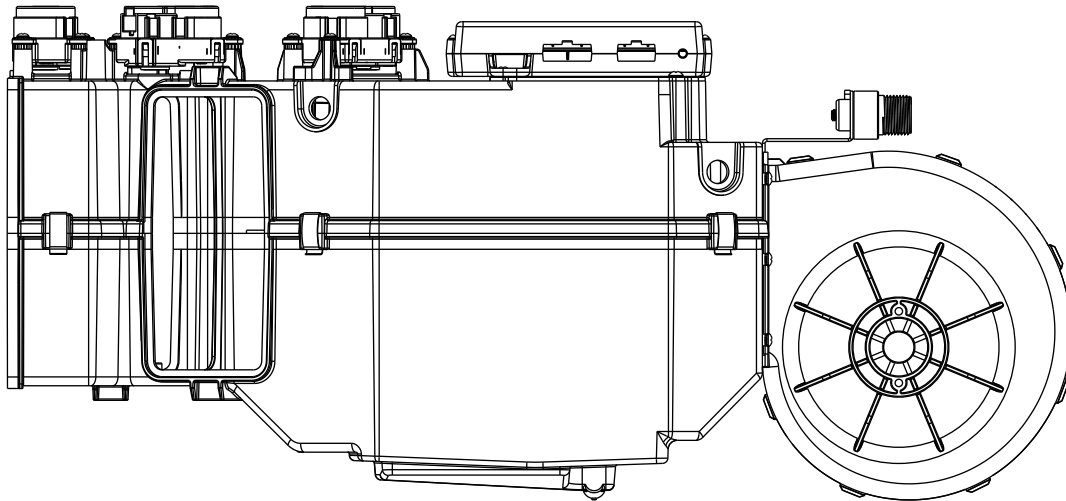




Gen 5 Magnum

Evaporator Mock-Up Kit
(675150)



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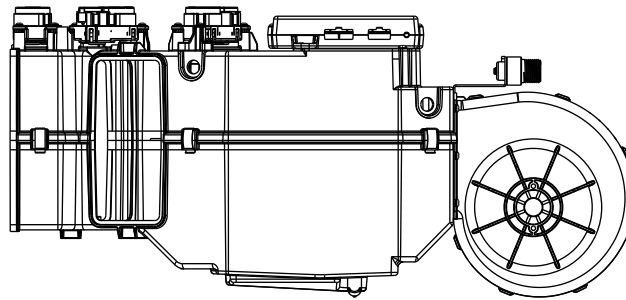
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Packing List: Evaporator Mock-Up Kit (675150)

No.	Qty.	Part No.	Description
1.	1	765150	Gen 5 Magnum Evaporator Mock-Up Module
2.	1	775150	Accessory Kit

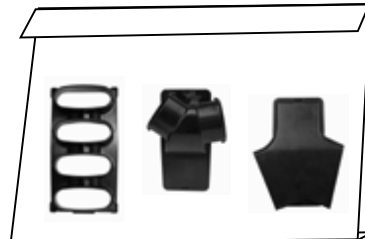
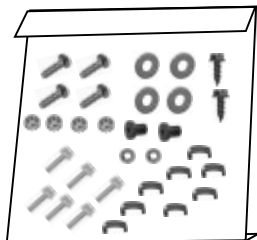
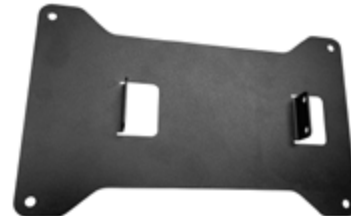
**** Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**

1



Gen 5 Magnum
Evaporator Mock-Up Module
765150

2



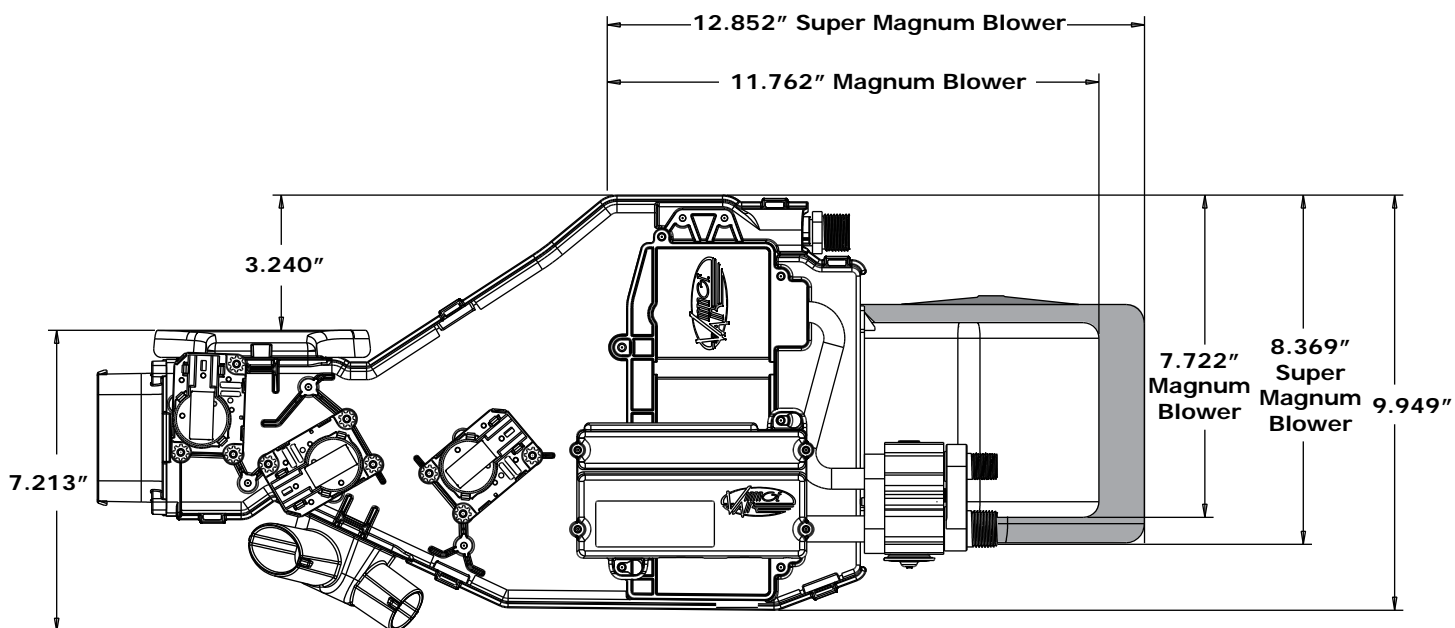
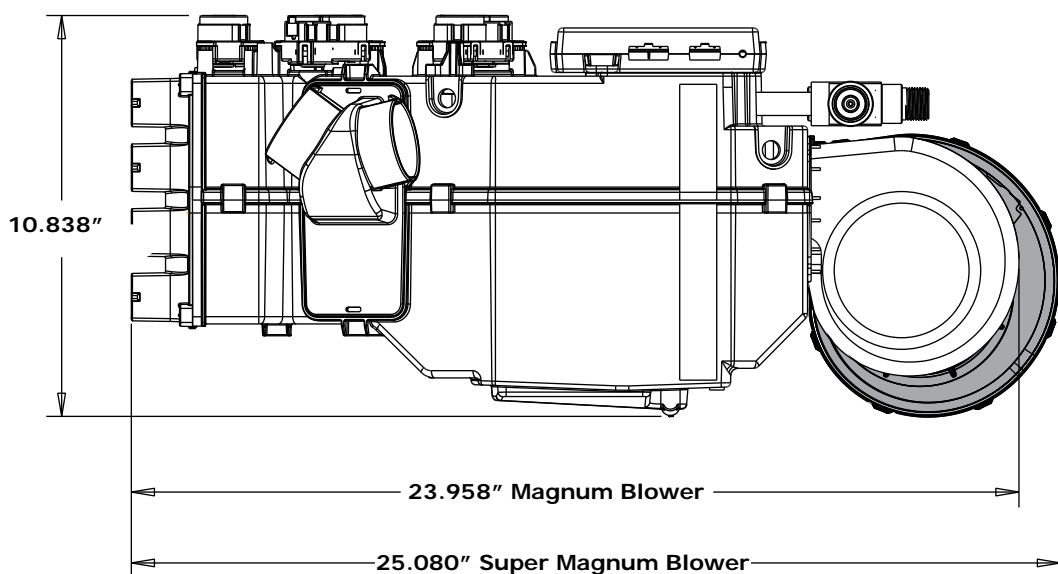
Accessory Kit
775150

NOTE: Images may not depict actual parts and quantities. Refer to packing list for actual parts and quantities.



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Evaporator Dimensions





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Planning Overview

- Every vehicle is different depending on the:
 1. Type of vehicle/engine and location of engine.
 2. Type of air conditioning equipment used.
 3. Owner's preferences.
- There are many factors that go into making each air conditioning installation different. Usually, all of the above decisions are made before any consideration is given to the air conditioning installation. The A/C system is then tailored to fit your particular application.
- The mounting location of the evaporator module is determined in part by the space available for the hose routing. The components used in the hose routing process (i.e. bulkhead plates, fittings, grommets, etc.) will also influence the location of the evaporator module. When planning your hose routing, you must install the major component parts first. Mount the compressor, condenser and drier. The evaporator must be temporarily held in position under the dash. Final mounting of the evaporator to the firewall should not be done until you have verified that all hoses attaching to the evaporator will exit the firewall and/or kick panel as planned. The hoses must be run exactly the way they will be when finished, before cutting them to length.
- Duct hose routing and A/C vent locations should also be given careful consideration before final mounting position of the evaporator is selected.
- The Vintage Air Gen 5 Magnum Evaporator Module was designed for classic cars, custom cars, and trucks. The evaporator module is designed to mount behind the dash.
- Read the installation instructions completely, and familiarize yourself with all the parts, photos and illustrations.
- The installation of this module varies according to the body manufacturer or modifications to the original body. Take your time, and double check before drilling or cutting.
- For proper system operation, Vintage Air recommends using heat-blocking insulation in the area around the evaporator module (firewall, kick panel, inner cowl, firewall covers) (See Photos 1 and 2, below). To ensure a watertight seal between the passenger compartment and the vehicle exterior, for all bolts passing through the firewall, Vintage Air recommends coating the threads with silicone prior to installation.



Before Insulation

Photo 1



After Insulation

Photo 2



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Plenum Installation

On a workbench, perform the following:

1. Gather all the plenums and installation hardware as shown in Photo 1, below.
2. Install the defrost plenum onto the evaporator module using (2) spring clips (See Photo 2, below).
3. Install the dash plenum onto the evaporator module using (4) spring clips (See Photos 3 and 4, below).
4. Install the floor plenum onto the evaporator module using (2) spring clips (See Photo 5, below).



Photo 1

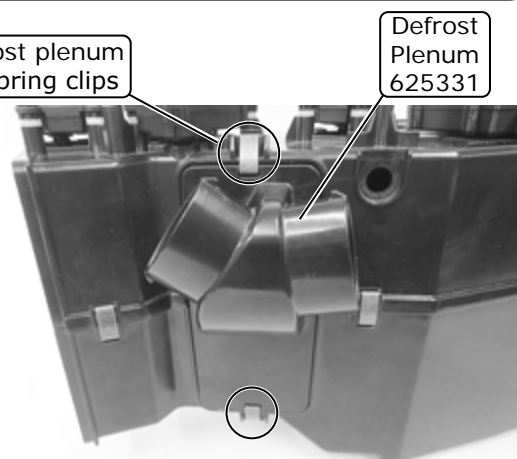


Photo 2

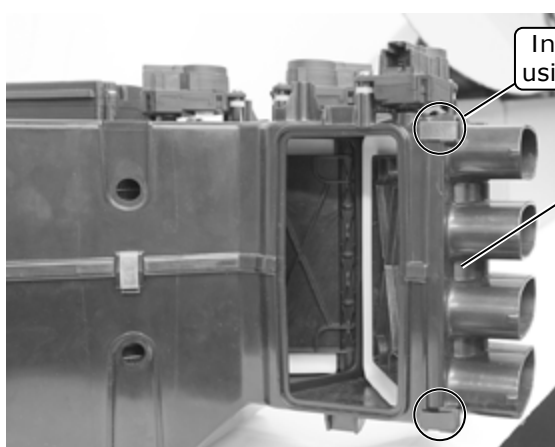


Photo 3

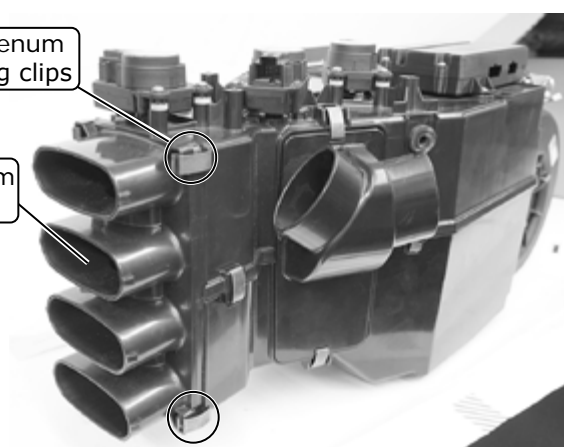


Photo 4

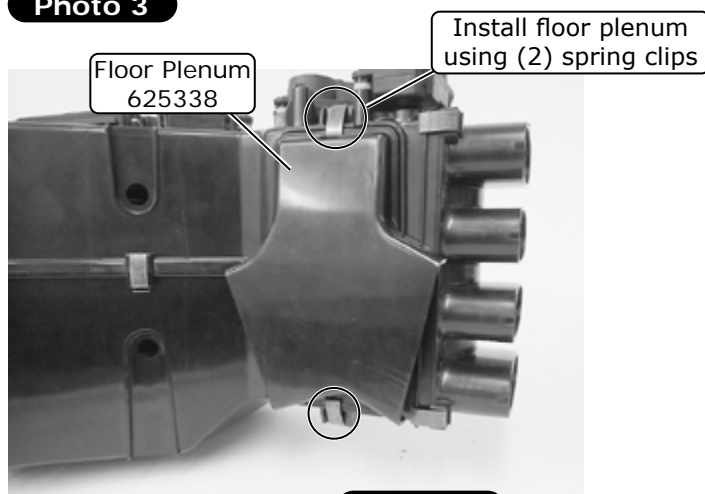


Photo 5



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Bracket Installation

1. Install (2) well nuts into the mounting provisions on the evaporator module, next to the defrost plenum (See Photos 1, 2 and 3, below).
2. Secure the dash bracket onto the evaporator module using (2) 1/4-20 x 3/4" serrated flange bolts (See Photos 3 and 4, below).
3. Install and secure the firewall bracket onto the evaporator module using (4) #10 x 5/8" screws ((2) on top, (2) at the bottom) (See Photos 5 and 6, below).



Photo 1

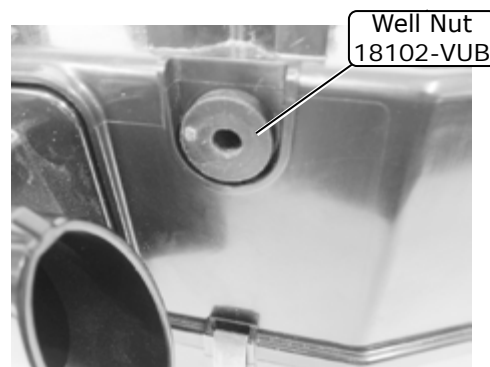


Photo 2

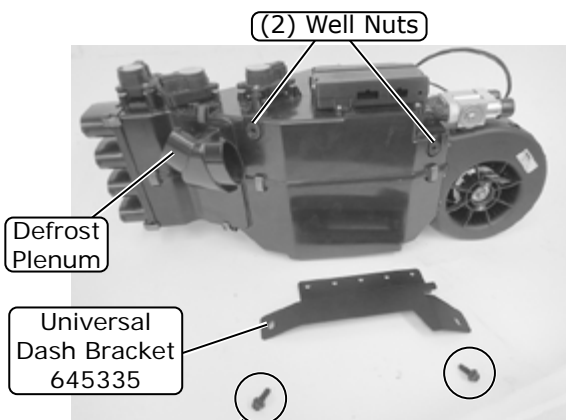


Photo 3

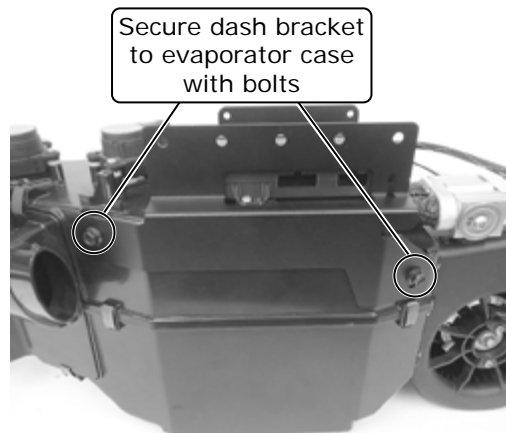


Photo 4

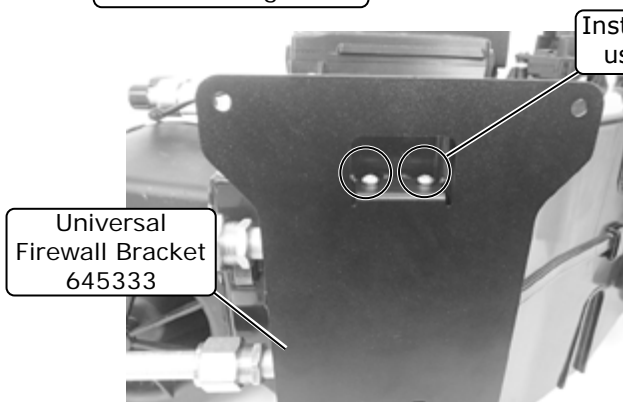
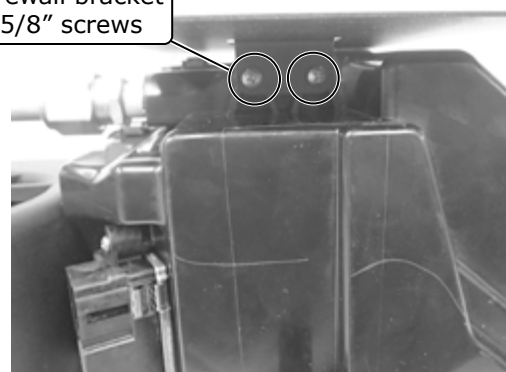


Photo 5



Bottom View of Evaporator Module

Photo 6



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Evaporator Installation

NOTE: A typical installation is shown below. It may be necessary to modify brackets and/or add additional brackets for your specific installation.

1. Lift the evaporator module up under the dashboard into the desired position. Verify that the evaporator module is level and square to the dash. Once in place, using the holes on the firewall and dash brackets as templates, mark the hole locations on the inner cowl and firewall, then drill holes as shown in Figure 1, below. **NOTE: Depending on your installation, use any combination of holes on the dash bracket with the addition of a second bracket created by the customer to secure the evaporator to the inner cowl.**
2. Install (2) 1/4-20 x 3/4" serrated flange bolts into the top mounting holes on the firewall bracket, and secure them with (2) 1/4" pushnut bolt retainers.
3. Lift the evaporator module up under the dashboard into the desired position, then loosely secure it to the firewall from the engine compartment side using (2) 1/4-20 nuts with star washers and (2) 1/4" USS flat washers (See Figure 1, below).
4. Install (2) 1/4-20 x 3/4" serrated flange bolts into the bottom (2) holes on the firewall bracket and through the firewall. Secure them with (2) 1/4-20 nuts with star washers and (2) 1/4" USS flat washers.
5. Using (2) #14 x 3/4" washer head screws and an additional bracket created by the customer, secure the dash bracket to the inner cowl (See Figure 1, below).
6. Verify that the evaporator module is level and square to the dash, then tighten all mounting locations.
NOTE: Tighten the bolts on the firewall first, then tighten the dash bracket screws.

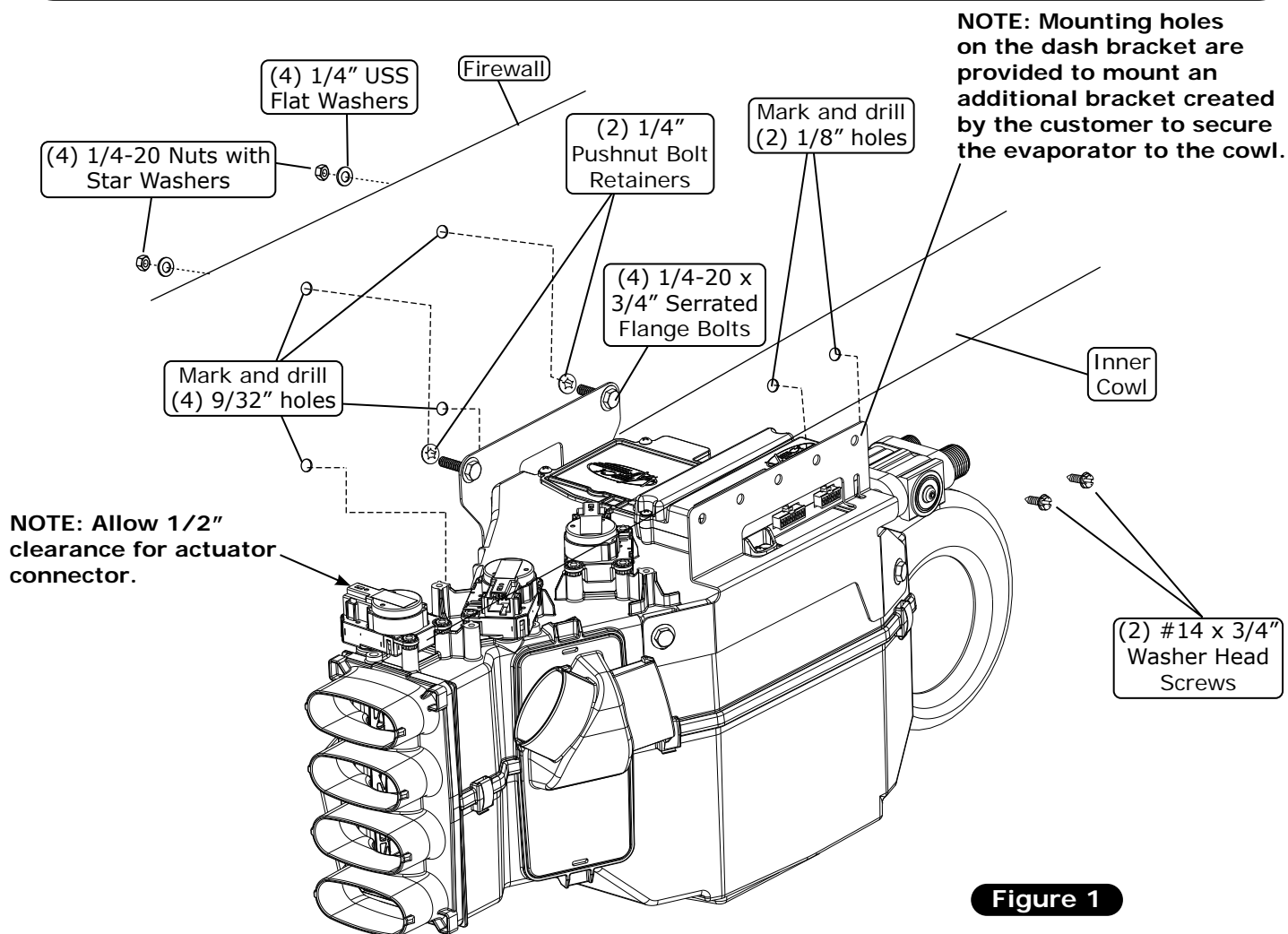


Figure 1



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Drain Hose Note

1. In line with the drain, lightly make a mark on the firewall. Measure 1" down, then mark and drill a 5/8" hole through the firewall (See Figure 1, below). **NOTE: To ensure a tight fit for the drain hose, do not enlarge the drain hole more than 5/8".**

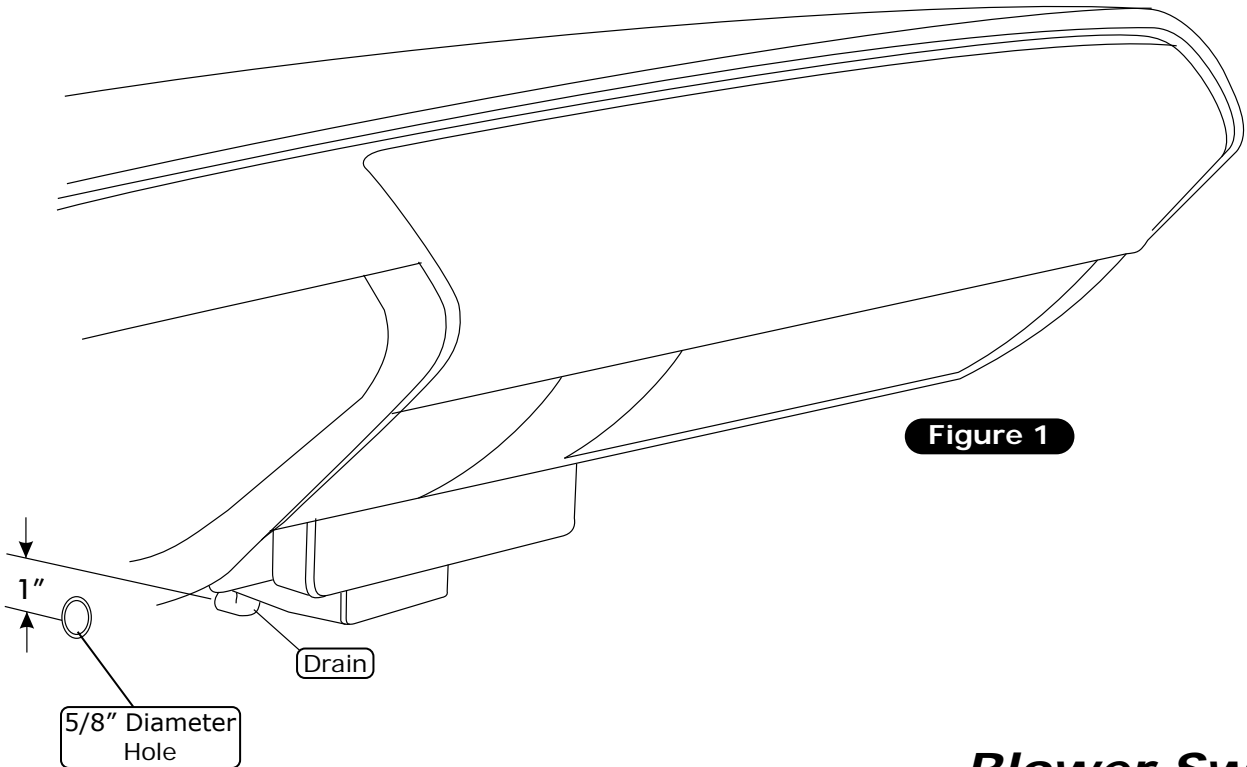


Figure 1

Blower Swap

1. Remove (6) blower mounting screws, then remove the large blower (retain line bracket).
2. Align the small blower mounting slots with the inner blower mounting pattern, sandwiching the line bracket between the blower and the case module. Secure the blower by using the (6) mounting screws previously removed.

ECU Note

NOTE: ECU must be placed away from water and humidity, and also be accessible for servicing. If relocating, connectors must be positioned towards the bottom.

(2) #8 x 1/2" pan head screws to relocate ECU if needed



Position connectors towards bottom



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Packing List: Evaporator Mock-Up Kit (675150)

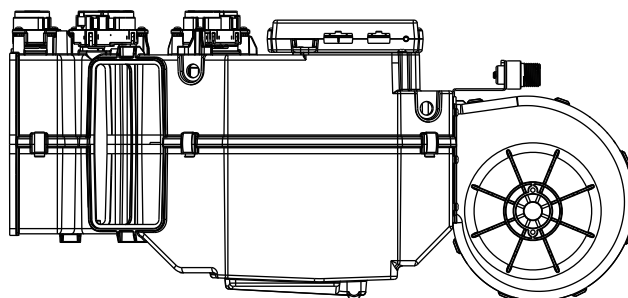
No.	Qty.	Part No.	Description
1.	1	765150	Gen 5 Evaporator Mock-Up Module
2.	1	775150	Accessory Kit

Checked By: _____

Packed By: _____

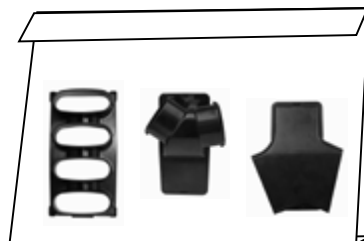
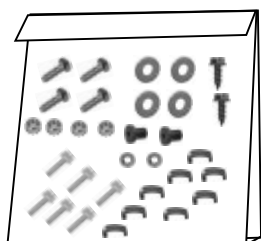
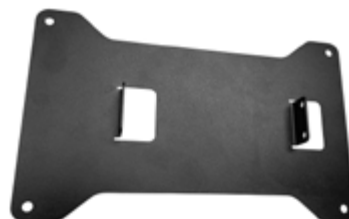
Date: _____

1



Gen 5 Magnum Evaporator
Mock-Up Module
765150

2



Accessory Kit
775150

NOTE: Images may not depict actual parts and quantities.
Refer to packing list for actual parts and quantities.