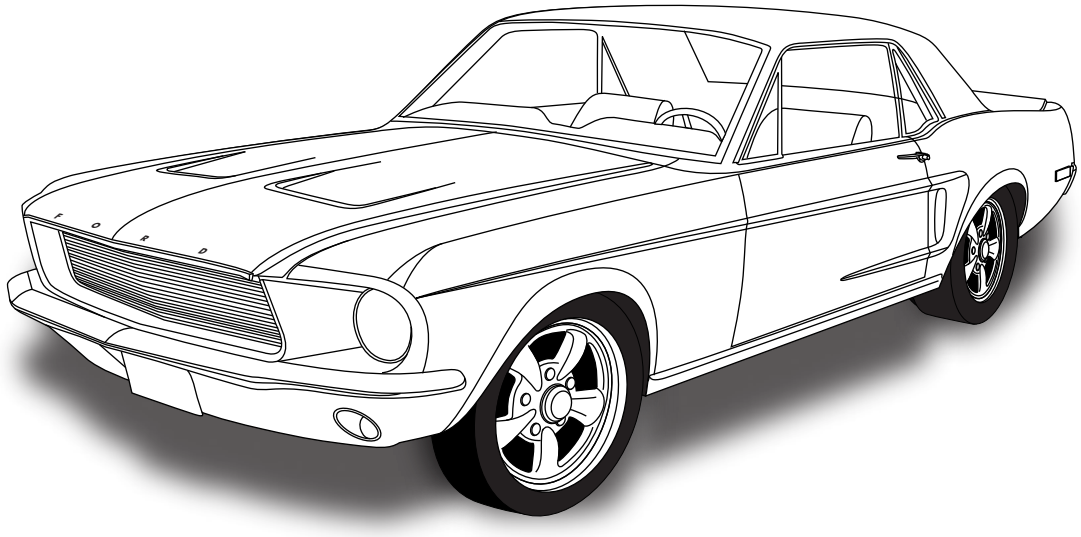
1967-68 Ford Mustang

Condenser Kit *with* Drier
(011068)



18865 Goll St. San Antonio, TX 78266
Phone: 800-862-6658
Sales: sales@vintageair.com
Tech Support: tech@vintageair.com
www.vintageair.com

www.vintageair.com

Table of Contents

Parts Disclaimer: Please Read

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. Packing list located on last page of instructions.

www.vintageair.com

Important Notice—Please Read

For Maximum System Performance, Vintage Air Recommends the Following:

NOTE: Vintage Air systems are designed to operate with R134a refrigerant only. Use of any other refrigerant could damage your A/C system and/or vehicle, and possibly cause a fire, in addition to potentially voiding the warranties of the A/C system and its components.

Refrigerant Capacities:

Vintage Air System: 1.8 lbs. (28.8 oz.) or 816 grams of **R134a**, charged by weight with a quality charging station or scale. **NOTE: Use of the proper type and amount of refrigerant is critical to system operation and performance.**

Other Systems: Consult manufacturer's guidelines.

Lubricant Capacities:

New Vintage Air-Supplied Sanden Compressor: No additional oil needed (Compressor is shipped with proper oil charge).

All Other Compressors: Consult manufacturer (Some compressors are shipped dry and will need oil added).

Safety Switches

Your Vintage Air system is equipped with a binary pressure safety switch. A binary switch disengages the compressor clutch in cases of extreme low pressure conditions (refrigerant loss) or excessively high head pressure (406 PSI) to prevent compressor damage or hose rupture. A trinary switch combines Hi/Lo pressure protection with an electric fan operation signal at 254 PSI, and should be substituted for use with electric fans. Compressor safety switches are extremely important since an A/C system relies on refrigerant to circulate lubricant.

Service Info:

Protect Your Investment: Prior to assembly, it is critical that the compressor, evaporator, A/C hoses and fittings, hardlines, condenser and receiver/drier remain capped. Removing caps prior to assembly will allow moisture, insects and debris into the components, possibly leading to reduced performance and/or premature failure of your A/C system. This is especially important with the receiver/drier.

Additionally, when caps are removed for assembly, **BE CAREFUL!** Some components are shipped under pressure with dry nitrogen.

Evacuate the System for 35-45 Minutes: Ensure that system components (Drier, compressor, evaporator and condenser) are at a temperature of at least 85°F. On a cool day, the components can be heated with a heat gun ***or*** by running the engine with the heater on before evacuating. Leak check and charge to specifications.

Bolts Passing Through Cowl and/or Firewall:

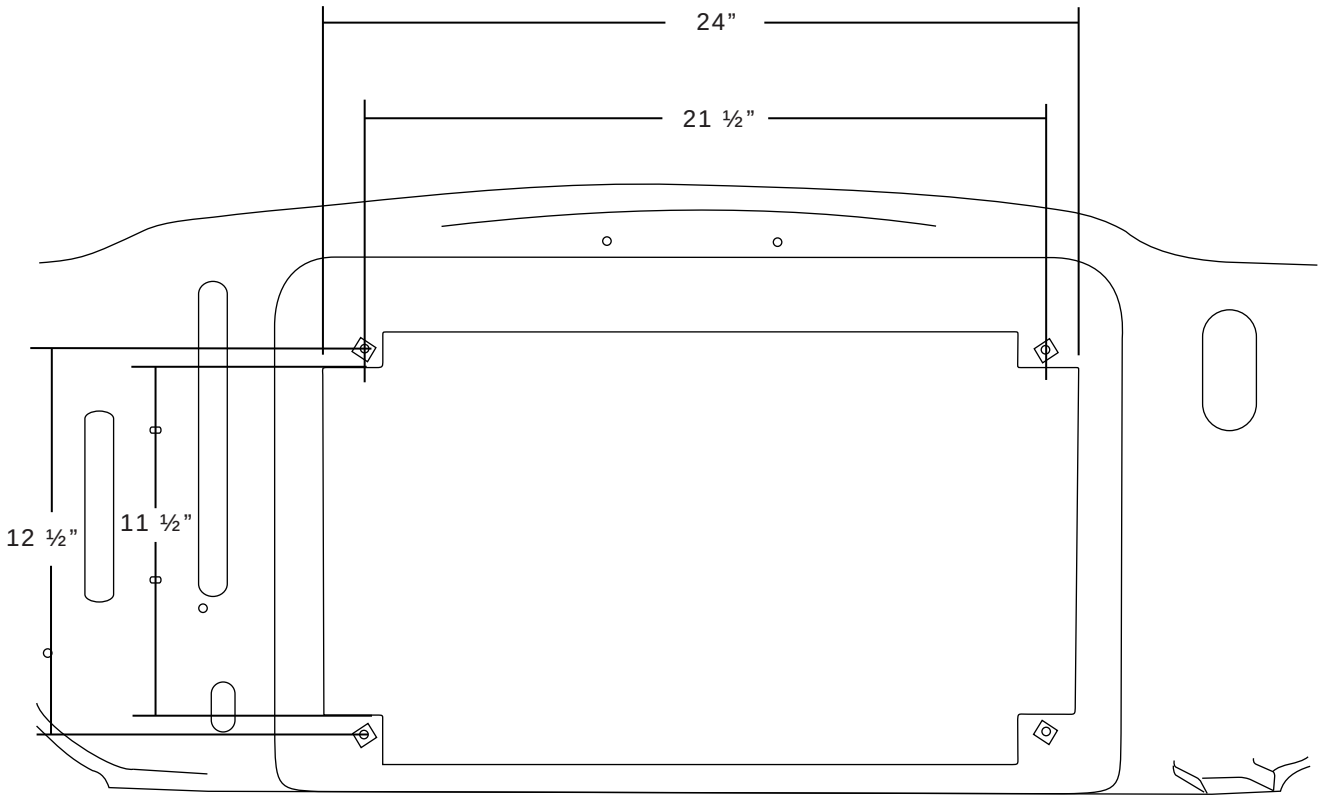
To ensure a watertight seal between the passenger compartment and the vehicle exterior, for all bolts passing through the cowl and/or firewall, Vintage Air recommends coating the threads with silicone prior to installation.

Heater Hose (not included with this kit):

Heater hose may be purchased from Vintage Air (Part#31800-VUD) or your local parts retailer. Routing and required length will vary based on installer preference.

Core Support Measurements

This kit was developed based on the measurements below, which were taken from a 1968 Ford Mustang with factory air.



www.vintageair.com

Drier Bracket Installation

1. On a workbench, install the drier bracket onto the condenser using (4) 10-24 x 3/8" pan head screws and (4) 10-24 nuts with star washers (See Figure 1, below). **NOTE: The bracket mounts to the outside of the flange through the 1st & 3rd holes from the right side of the condenser (Front View).**

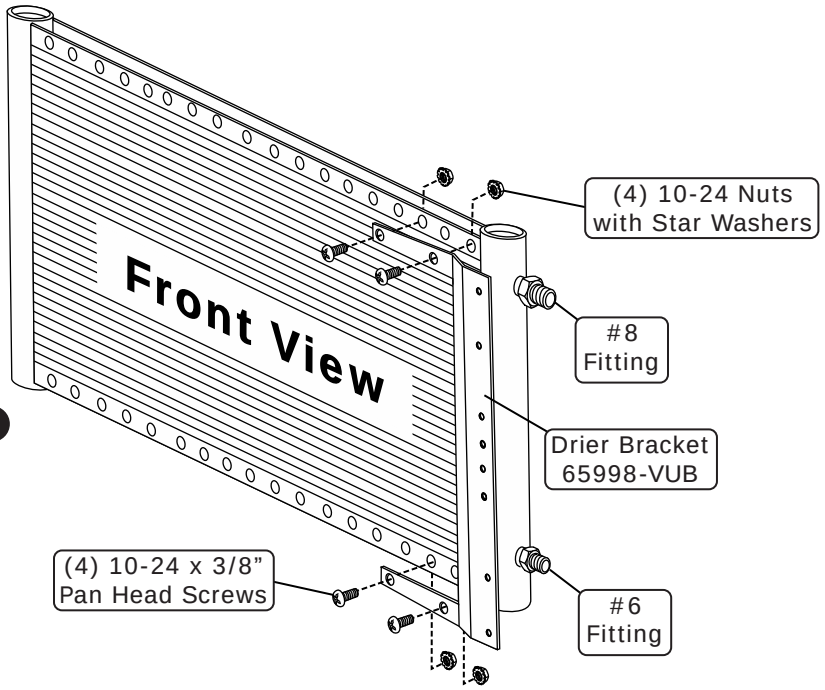


Figure 1

Mounting Bracket Installation

1. Install the driver side mounting bracket onto the condenser using (4) 10-24 x 3/8" pan head screws and (4) 10-24 nuts with star washers (See Figure 1, below). **NOTE: The bracket mounts to the outside of the flange through the 1st & 2nd holes from the left side of the condenser (Rear View).**

2. Install the passenger side mounting bracket onto the condenser using (4) 10-24 x 3/8" pan head screws and (4) 10-24 nuts with star washers (See Figure 1, below). **NOTE: The bracket mounts to the outside of the flange through the 1st & 2nd holes from the right side of the condenser (Rear View).**

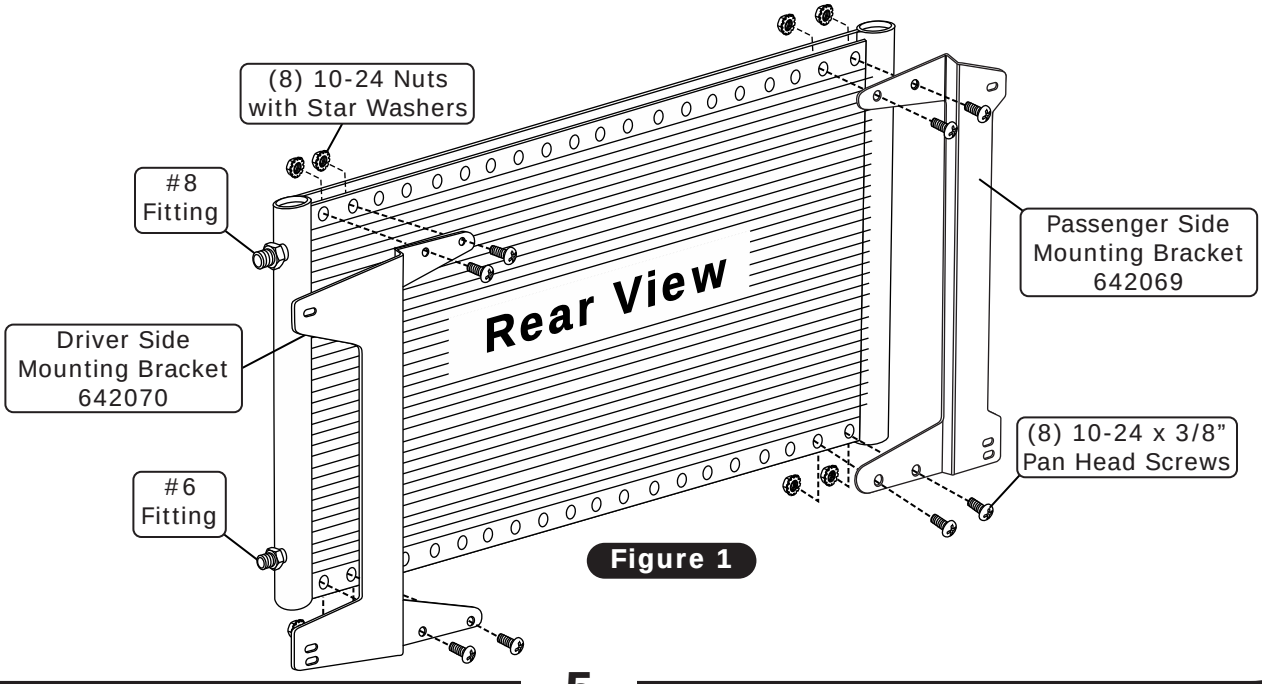


Figure 1

Drier Installation

NOTE: Do not remove the caps from the drier. The drier contains a desiccant that will quickly absorb moisture from the air, causing it to lose effectiveness. For this reason, Vintage Air recommends that the drier remains capped until the installer is ready to evacuate the system.

Perform the following:

1. Install the drier clamps onto the drier as shown in Figure 1, below.
2. Secure the drier to the drier bracket using (2) #10 x 1/2" sheet metal screws in the 6th and 7th holes from the bottom of the bracket as shown in Figure 1, below. **NOTE: Refrigerant flow through the drier is IN from condenser, OUT to evaporator.**

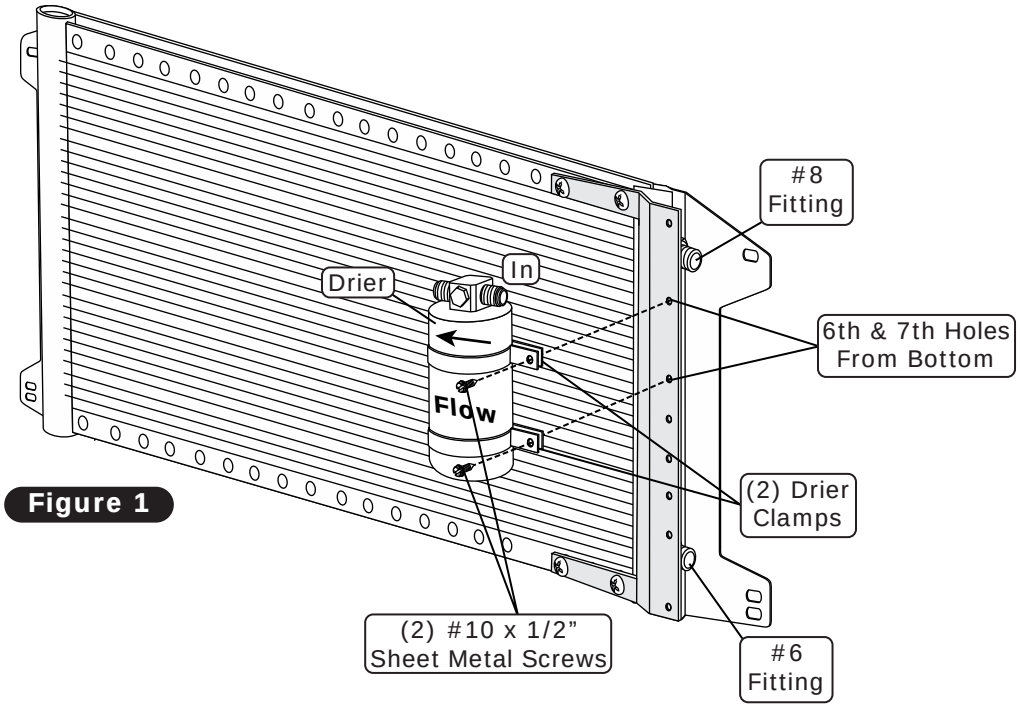


Figure 1

www.vintageair.com

#6 Drier/Condenser Hardline Installation

1. Lubricate (2) #6 O-rings, and install (1) onto each end of the #6 drier/condenser hardline as shown in Lubricating O-rings, below.
2. Install the #6 drier/condenser hardline onto the #6 condenser fitting, and then onto the drier (See Figure 1, below). Tighten fittings as shown in Lubricating O-rings, below.

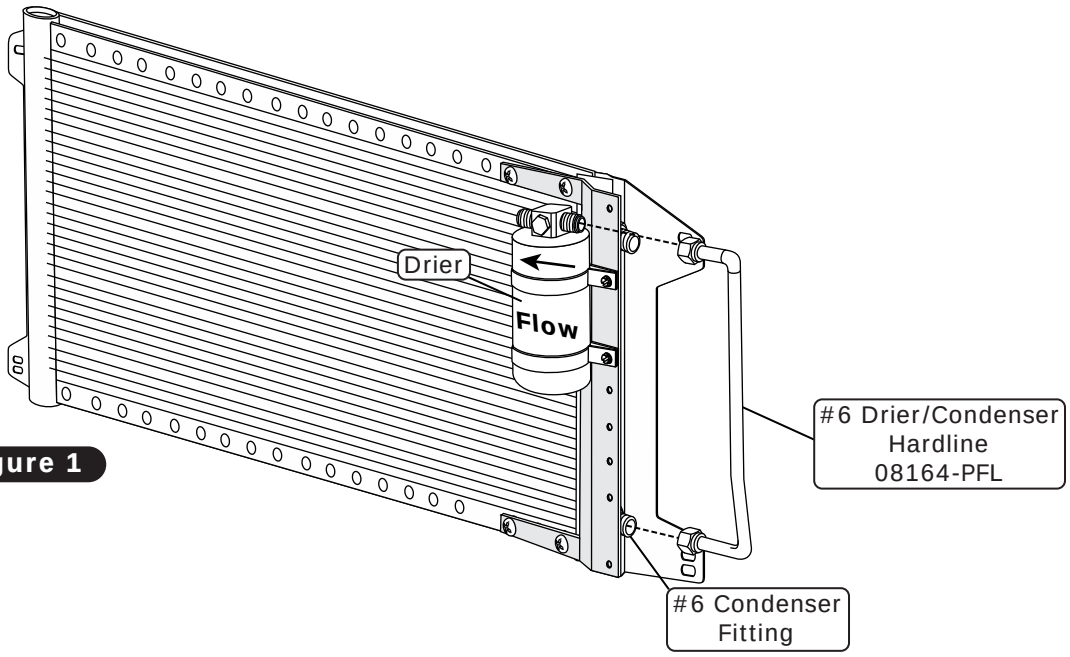
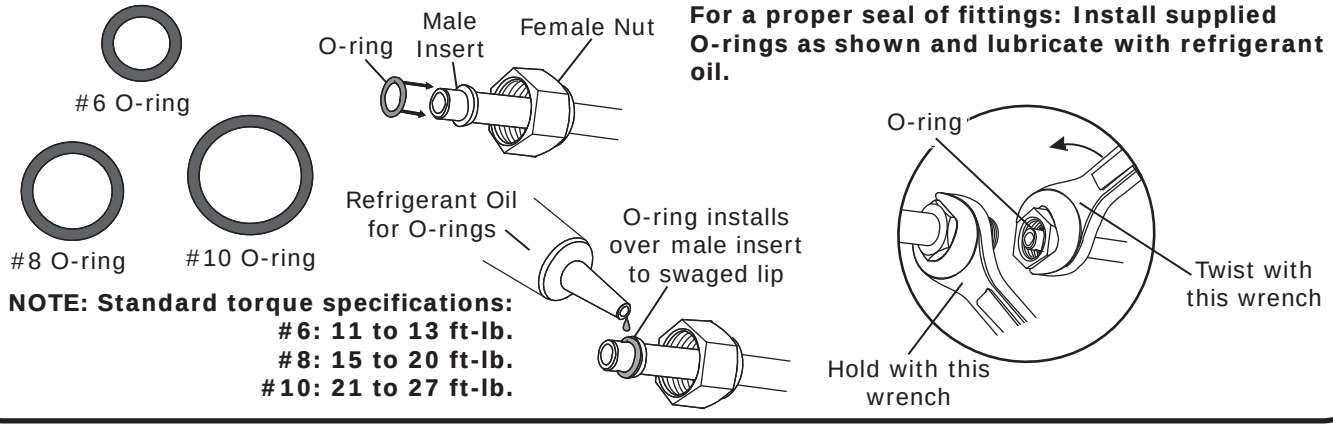


Figure 1

Lubricating O-rings



For a proper seal of fittings: Install supplied O-rings as shown and lubricate with refrigerant oil.

NOTE: Standard torque specifications:
#6: 11 to 13 ft-lb.
#8: 15 to 20 ft-lb.
#10: 21 to 27 ft-lb.

www.vintageair.com

Radiator / OEM Condenser Removal

1. Drain the radiator.
2. Remove the upper and lower radiator hoses.
3. Remove the radiator.
4. Remove the grille guard and hood latch support. **NOTE: This will allow proper clearance to ease OEM condenser removal.**
5. Remove the OEM condenser and any additional components.

Core Support Modification

Vehicles with Factory Air:

1. Using the template provided on Page 12, drill a 1/4" hole through the core support.
2. Install the hardline support bracket onto the engine side of the core support using a 1/4-20 x 1/2" hex bolt, a 1/4" flat washer, and a 1/4-20 nut with star washer as shown in Figure 1a, below.
3. Insert the grommet into the hardline support bracket as shown in Figure 1a, below.

Vehicles without Factory Air:

Option 1:

1. Weld the knock-out plate to the core support as shown in Figure 2a, below.
2. Using the template provided on Page 12, drill a 1 ¼" hole through the core support.
3. Insert the grommet into the 1 ¼" hole as shown in Figure 2b, below.

Option 2:

1. Knock out the plate on the core support.
2. Using the template provided on Page 12, drill a 1/4" hole through the core support.
3. Install the hardline support bracket onto the engine side of the core support using a 1/4-20 x 1/2" hex bolt, a 1/4" flat washer, and a 1/4-20 nut with star washer as shown in Figure 1a, below.
4. Insert the grommet into the hardline support bracket as shown in Figure 1a, below.

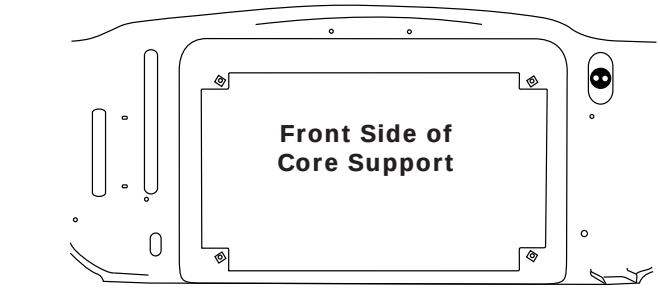


Figure 1

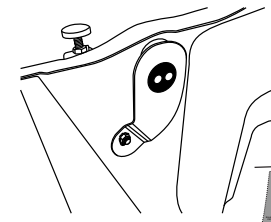


Figure 1a

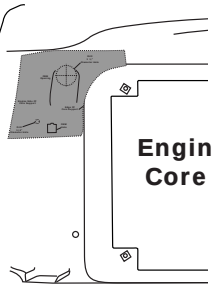


Figure 1b

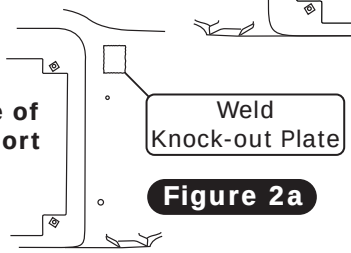


Figure 2a

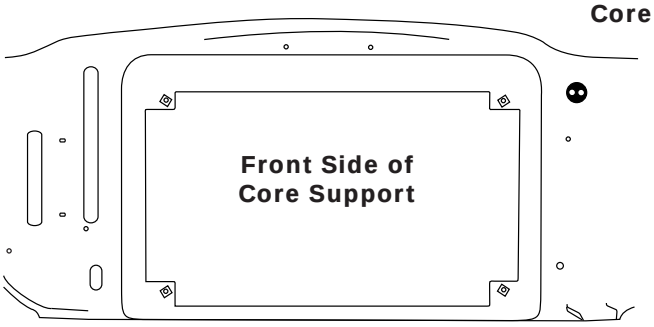


Figure 2

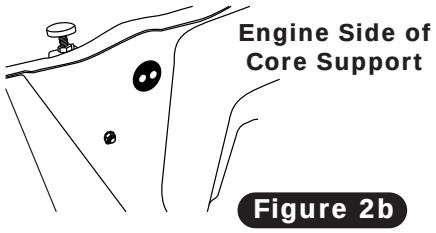


Figure 2b

www.vintageair.com

Condenser and Fan Shroud Installation

1. Install (4) 1/4" U-nuts onto the core support as shown in Figure 1, below.
2. Install the condenser assembly between the radiator and the core support as shown in Figure 1, below.
3. Secure the condenser to the core support using (4) 1/4-20 x 1" hex bolts and (4) 1/4" flat washers as shown in Figure 2, below.
4. Reinstall the fan shroud using the OEM hardware as shown in Figure 2, below.
5. Replace the hood latch support and grille guard. **NOTE: Be sure to verify drier and hardline clearance.**

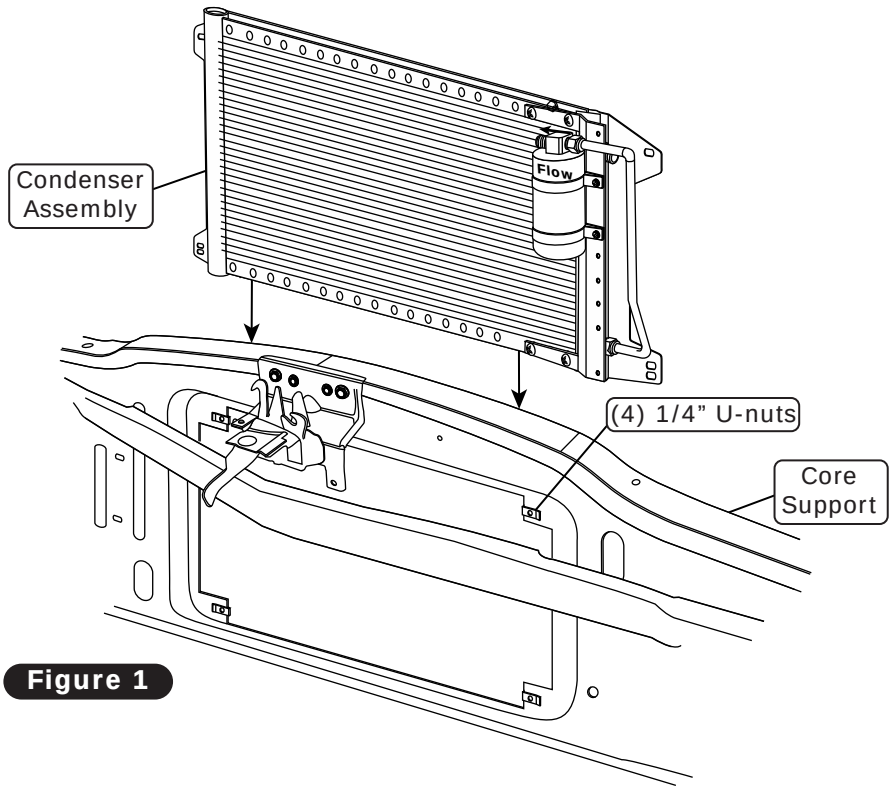


Figure 1

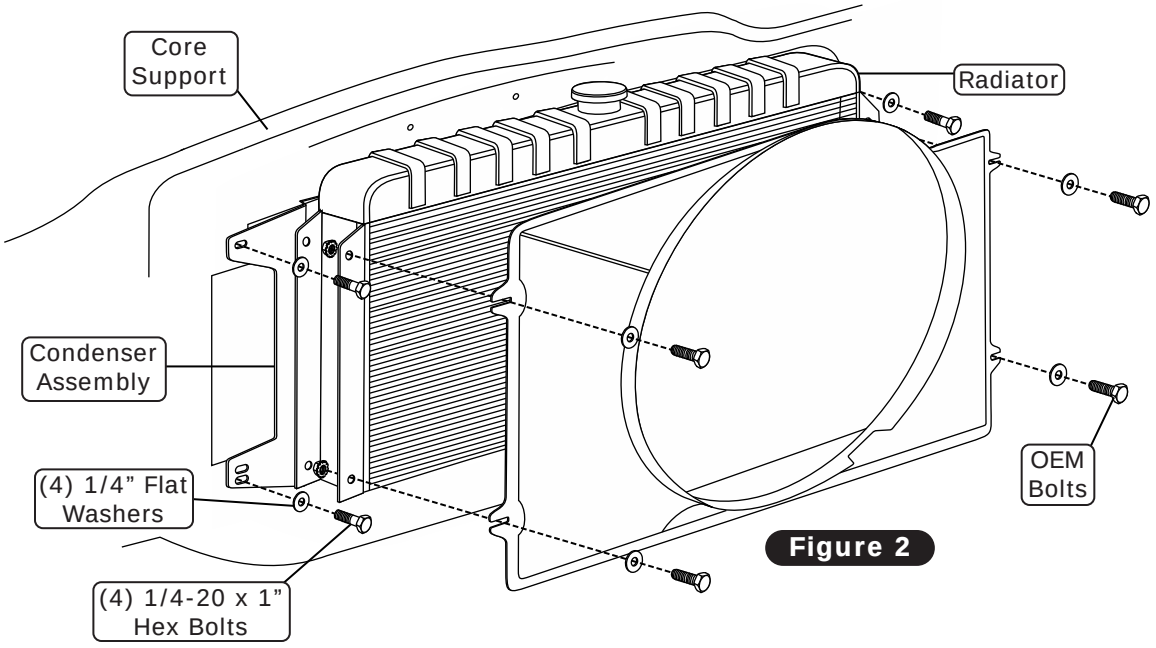


Figure 2

#6 and #8 Hardline Installation

1. Lubricate a #6 and #8 O-ring, and install them onto the #6 drier/core hardline and #8 condenser hardline as shown in Lubricating O-rings, Page 7.
2. Install the #6 drier/core hardline and the #8 condenser hardline as shown in Figure 1, below. Tighten fittings as shown in Lubricating O-rings, Page 7.
3. Secure the #6 drier/core hardline onto the core support with a 3/8" Adel clamp and a #10 x 1/2" sheet metal screw as shown in Figure 1, below.

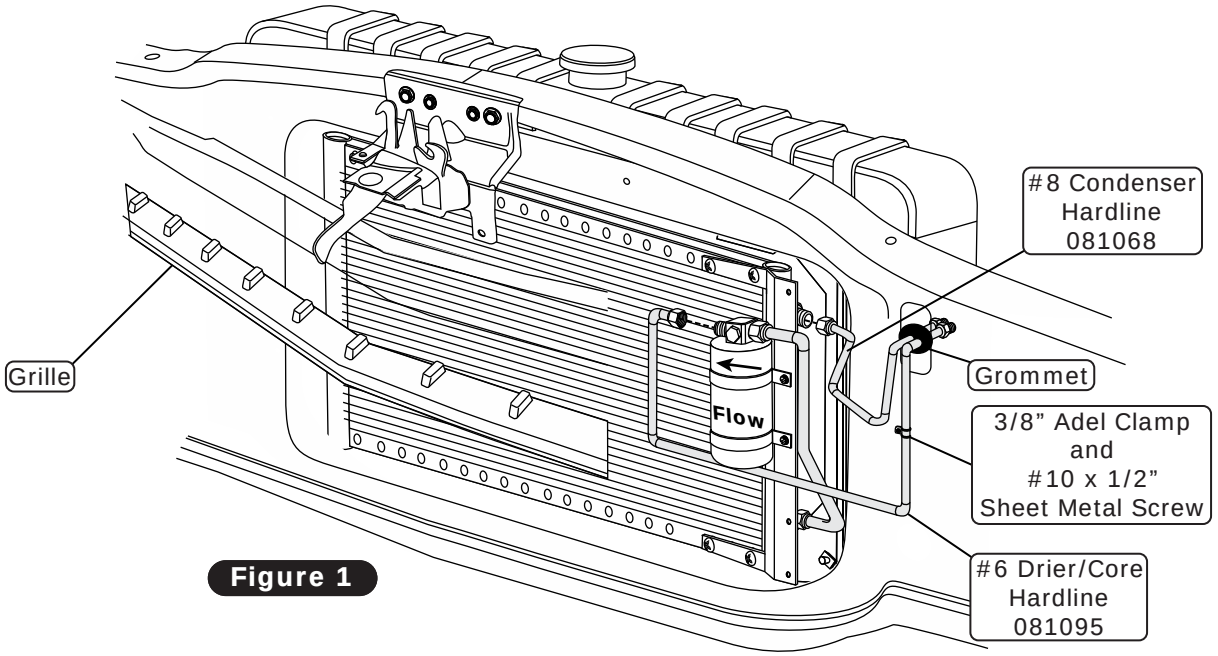


Figure 1

Binary Switch Installation

1. Install the binary switch onto the drier as shown in Figure 1, below.

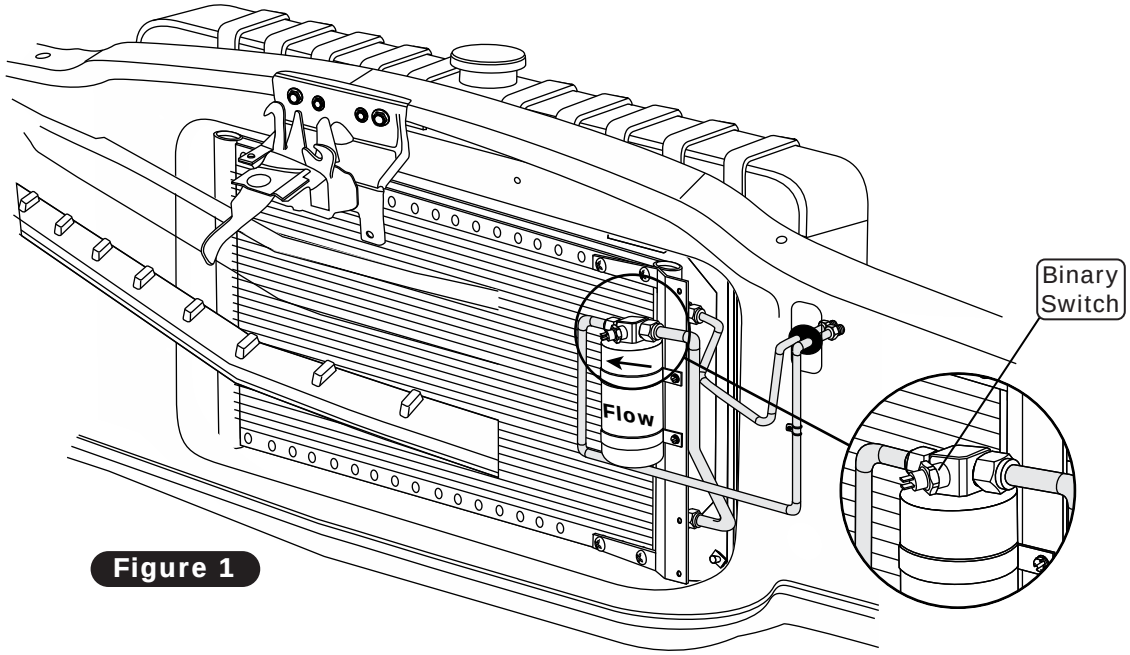


Figure 1

Horn Bracket Modification

1. Cut or grind the horn bracket tab for proper clearance as shown in Figure 1, below.

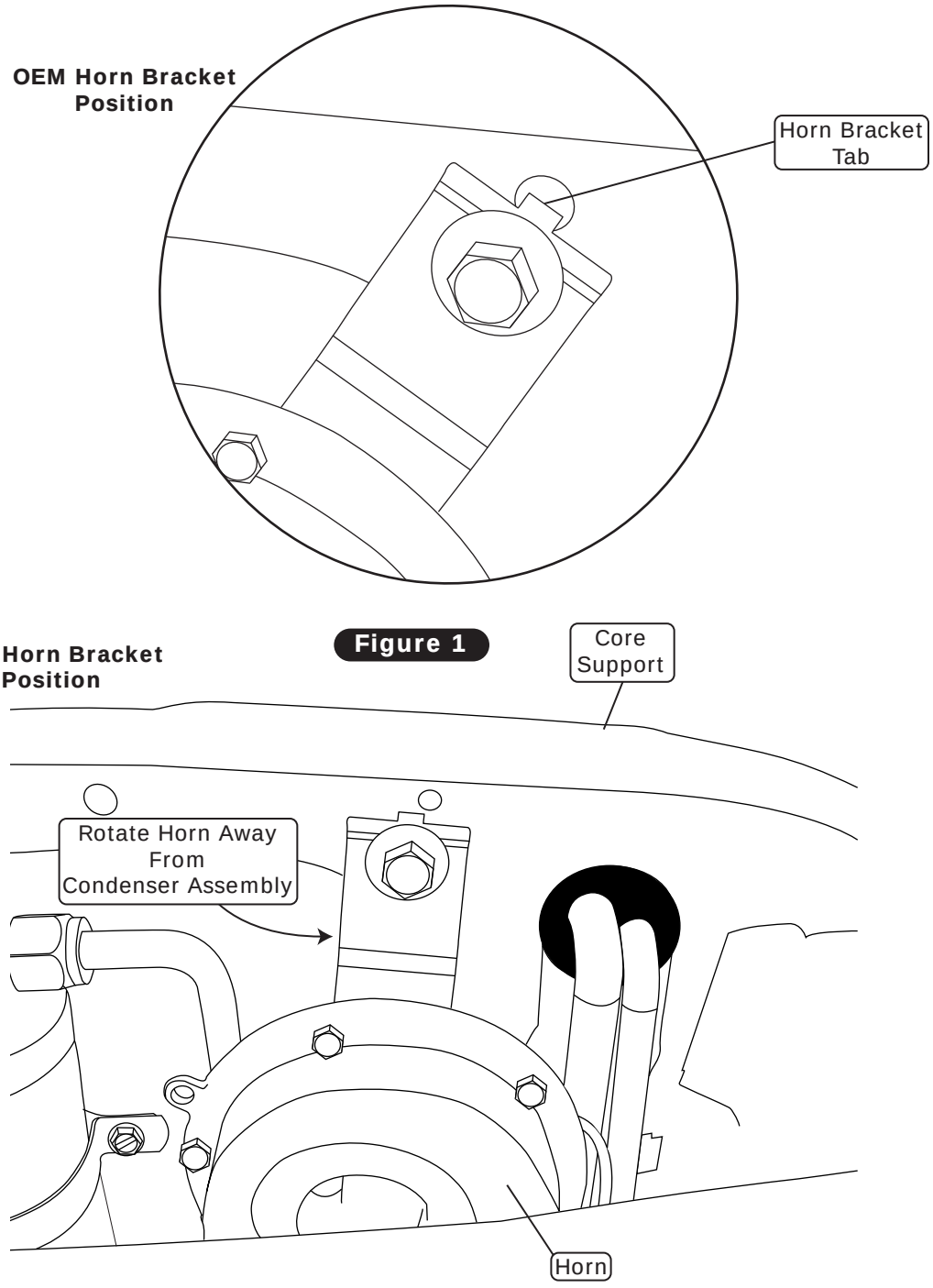
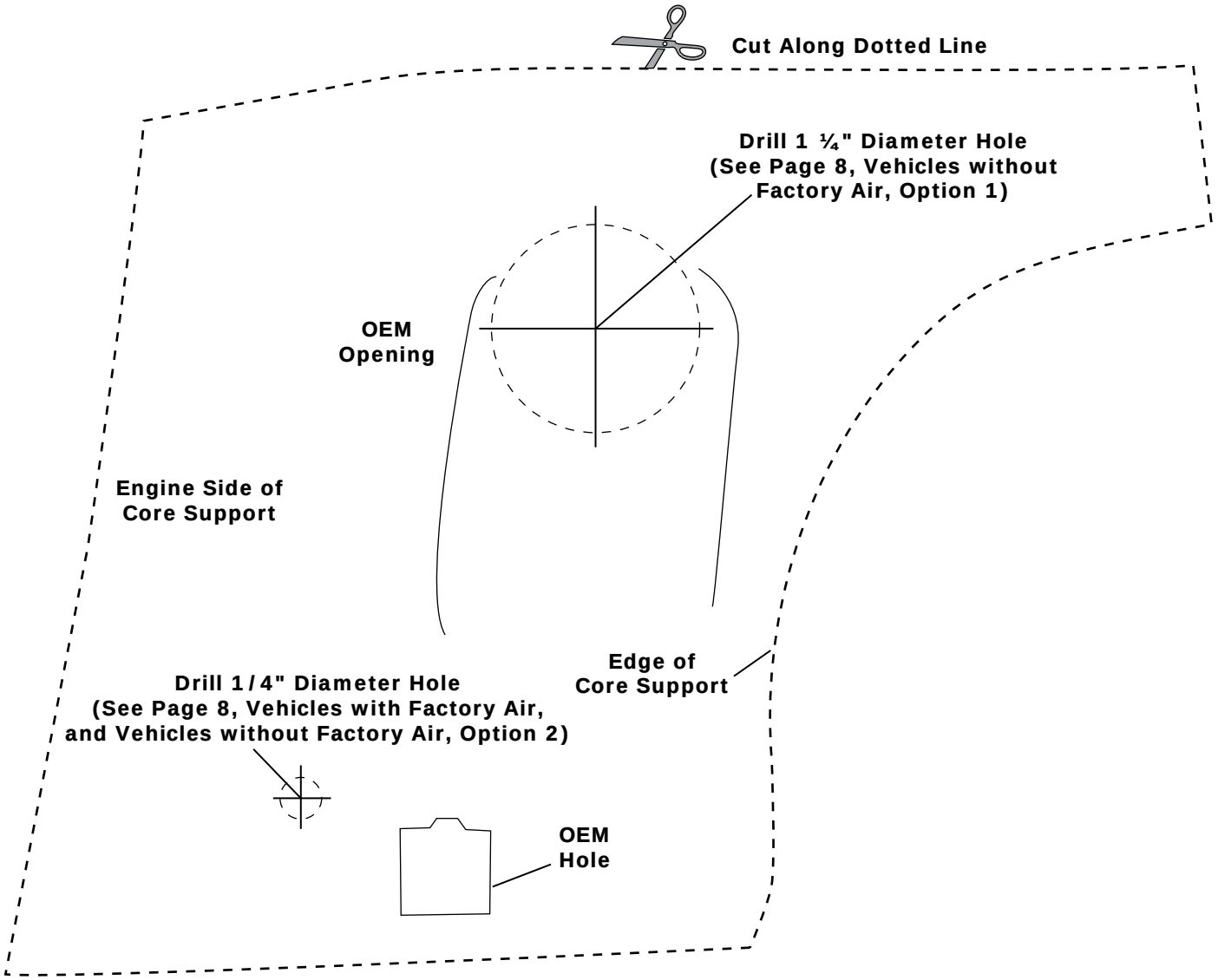


Figure 1

Core Support Modification Template



NOTE: Due to printing variances, measure the line below before using this template. If template is scaled properly, the line should measure 6 inches.

www.vintageair.com

Packing List: Condenser Kit (011068)

	Qty		Part No	Description
	2	☐	07113-VUB	Drier Clamp
	1	☐	11079-VUS	Binary Switch, Male
	5	☐	18125-VUB	Washer, 1/4", USS, Flat
	1	☐	18152-VUB	Nut with Star Washer, 1/4-20
	3	☐	18247-VUB	Screw, #10 x 1/2", Sheet Metal
	12	☐	18249-VUB	Screw, 10-24 x 3/8", Pan Head
	12	☐	18260-VUB	Nut with Star Washer, 10-24
	1	☐	18287-VUB	Bolt, 1/4-20 x 1/2", Hex
	4	☐	18290-VUB	Bolt, 1/4-20 x 1", Hex
	4	☐	18978-VUB	U-nut, 1/4"
	1	☐	23135-VUW	Compressor Lead
	1	☐	31600-VUD	Adel Clamp, 3/8" I.D.
	1	☐	33134-VUI	Grommet, 2-Hole

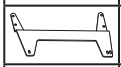
Packed By: _____

O-rings/Refrigerant Oil

	Qty		Part No	Description
	4	☐	33857-VUF	O-ring, #6
	3	☐	33858-VUF	O-ring, #8
	1	☐	41117-VUP	Refrigerant Oil

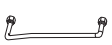
Packed By: _____

Brackets

	Qty		Part No	Description
	1	☐	642069	Bracket, Passenger-Side Mounting
	1	☐	642070	Bracket, Driver-Side Mounting
	1	☐	642073	Bracket, Hardline Support
	1	☐	65998-VUB	Bracket, Drier

Packed By: _____

Hardlines

	Qty		Part No	Description
	1	☐	081068	Hardline, #8 Condenser
	1	☐	081095	Hardline, #6 Drier/Core
	1	☐	08164-PFL	Hardline, #6 Drier/Condenser

Packed By: _____

Condenser/Drier

	Qty		Part No	Description
	1	☐	03765-VUC	Condenser, 14" x 20", Super Flow
	1	☐	07321-VUC	Drier

Packed By: _____

Inspected By: _____
Date: _____

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