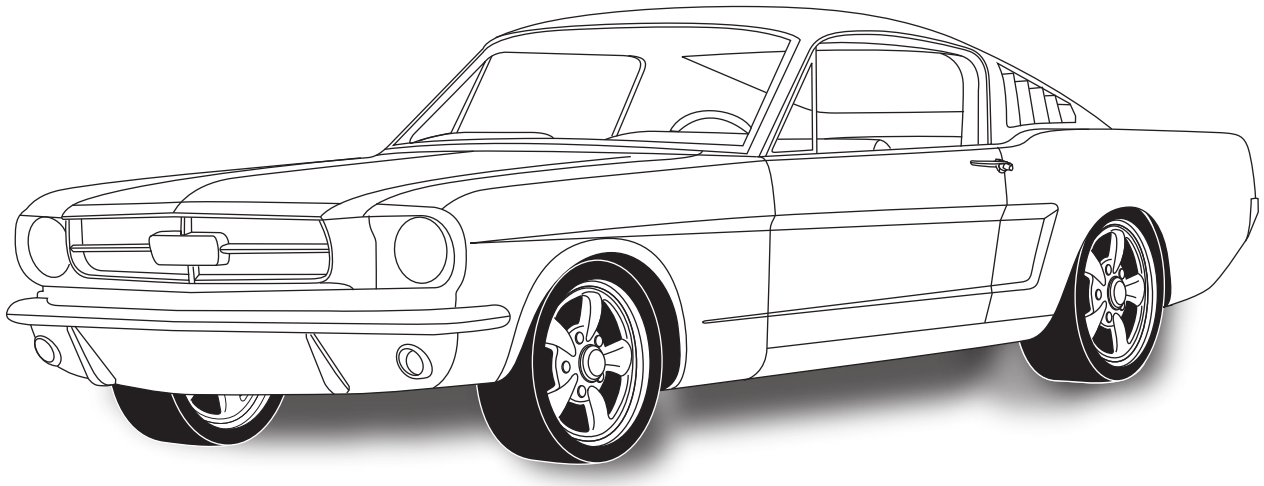
1964 ½-66 Ford Mustang

Condenser Kit *with* Drier
***with* Passenger Side Connections**
(011064)

***For Use With:**
Standard Hose Kit 511271
Modified Hose Kit 511266



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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.

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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:

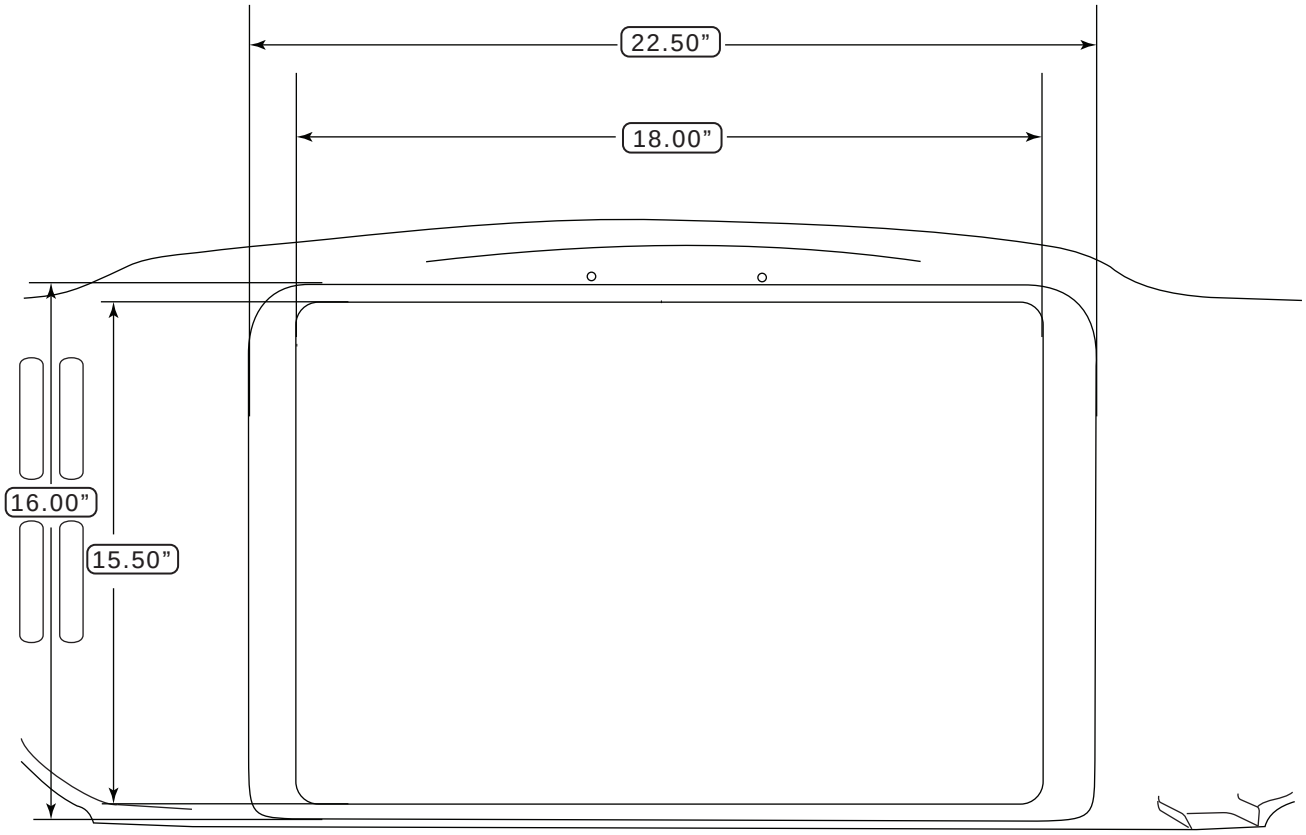
To ensure a watertight seal between the passenger compartment and the vehicle exterior, for all bolts passing through the cowl and/or firewall, Vintage Air recommends coating the threads with silicone prior to installation.

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 1966 Ford Mustang Core Support.



Engine Compartment Disassembly

NOTE: Before starting the installation, check the function of the vehicle (horn, lights, etc.) for proper operation, and study the instructions, illustrations, & diagrams.

Perform the following:

1. Disconnect the battery.
2. Remove the battery and battery tray.
3. Remove the horns (retain).
4. Drain the radiator.
5. Remove the radiator (retain).
6. Remove the hood latch assembly by removing (3) bolts (See Figure 1, below).

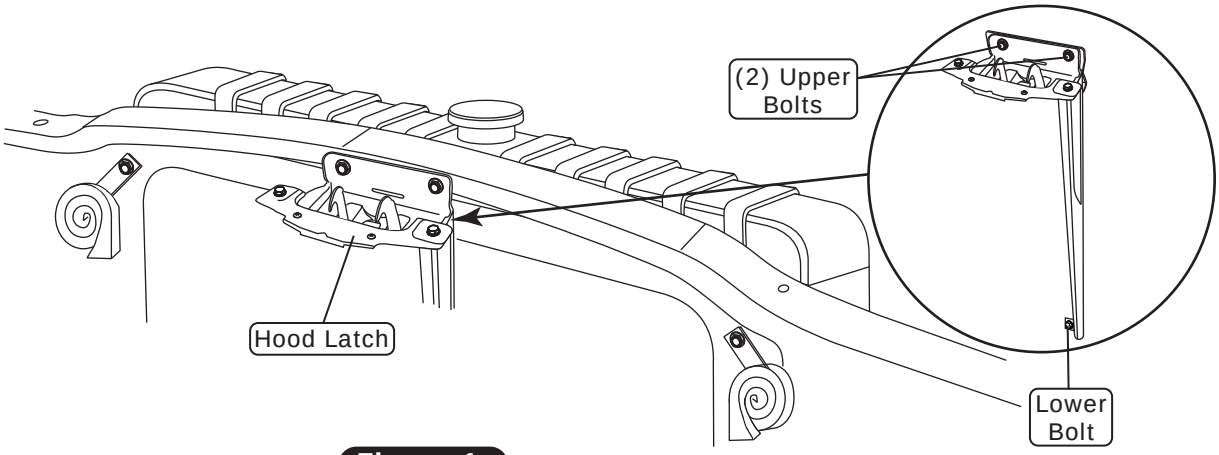


Figure 1

Core Support Modification

1. Drill a 1 ¼" hole into the core support as shown in Figure 1, below.

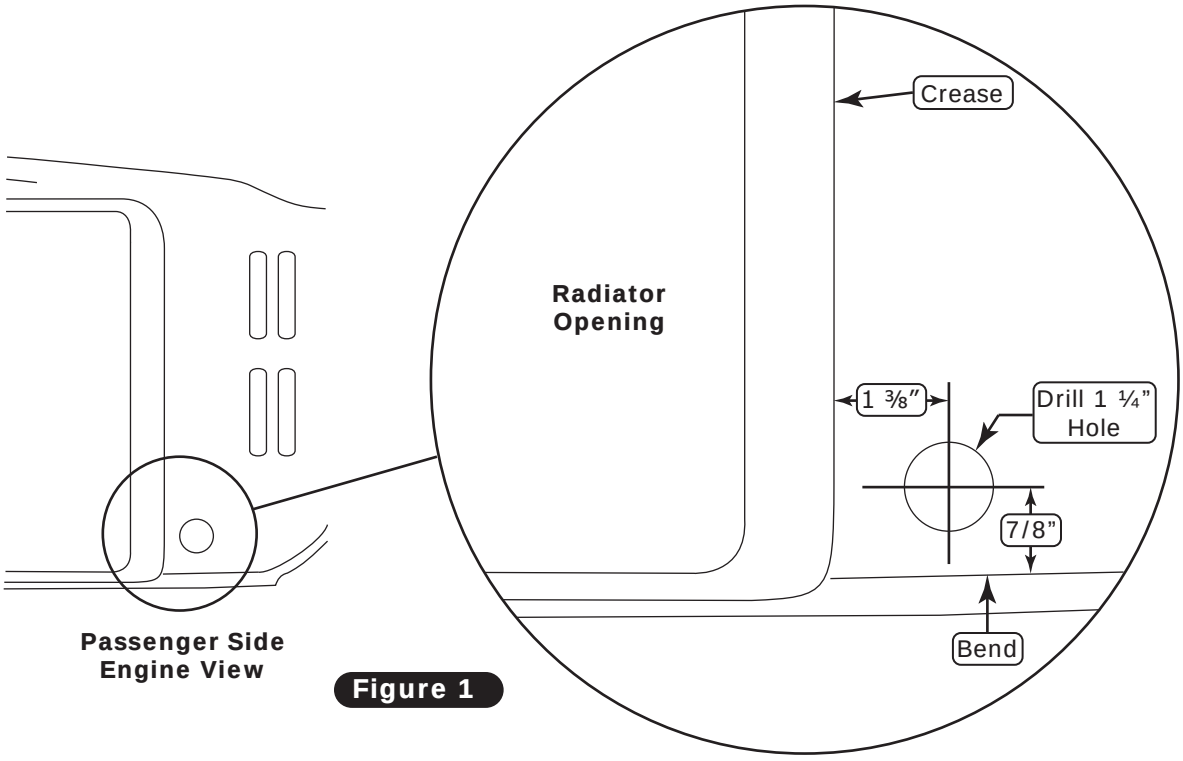


Figure 1

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Condenser Mounting Bracket Installation

1. On a workbench, install the condenser mounting brackets onto the front of the condenser using (4) 10-24 x 3/8" pan head screws and (4) 10-24 nuts with star washers as shown in Figure 1, below. **NOTE: The brackets mount to the outside of the flange. The upper bracket mounts through the 6th & 11th holes from the left. The lower bracket mounts through the 9th & 13th holes from the left.**

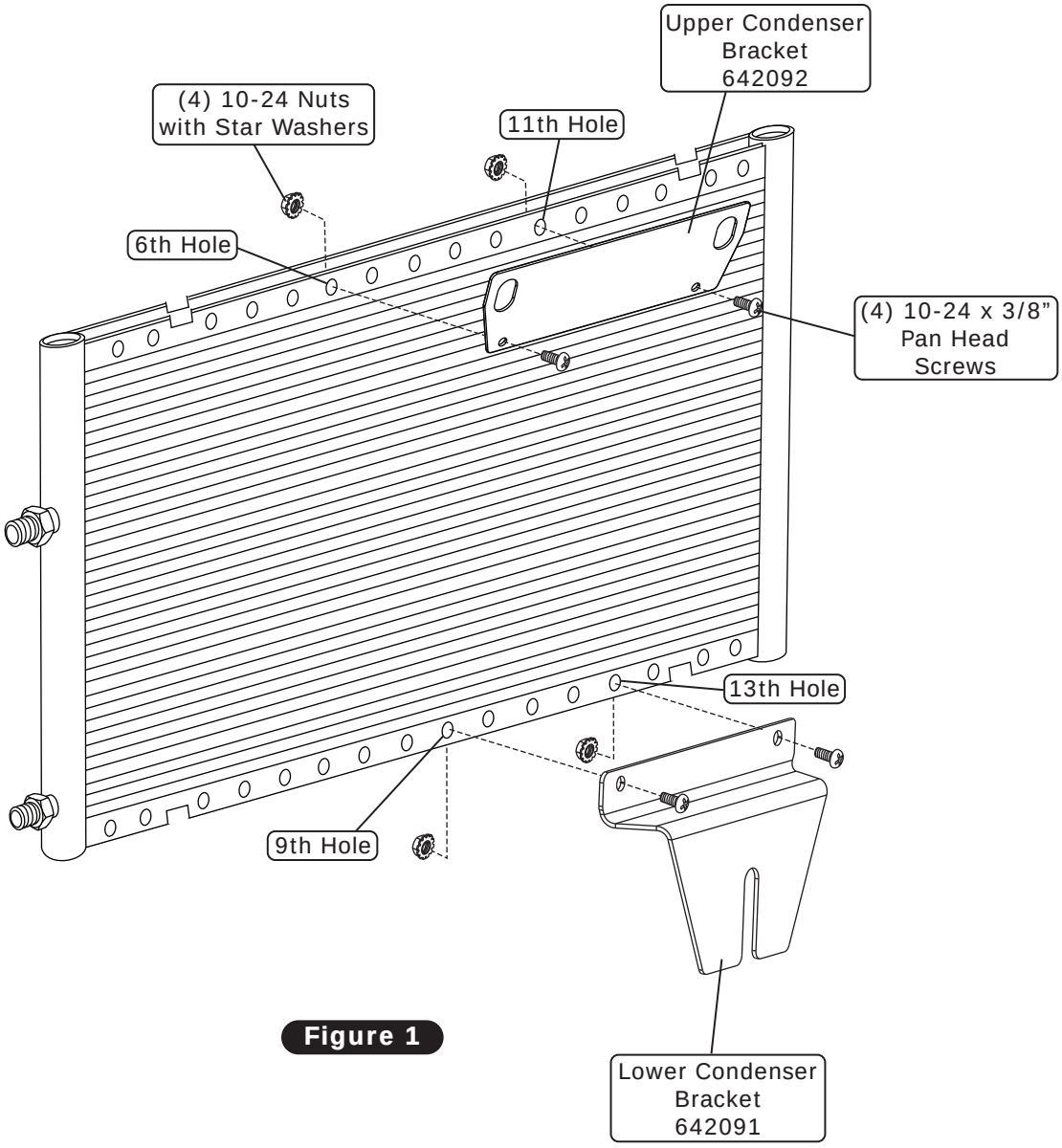


Figure 1

Condenser Installation

1. Install the condenser onto the front of the core support as shown in Figure 1, below.
2. Reinstall the hood latch assembly in front of the condenser as shown in Figure 2, below.
3. Using (2) OEM bolts, secure the top of the hood latch assembly and the upper condenser bracket to the top of the core support (See Figure 2, below).
4. Using the OEM bolt, secure the bottom of the hood latch assembly and the lower condenser bracket to the bottom of the core support as shown in Figure 2, below.

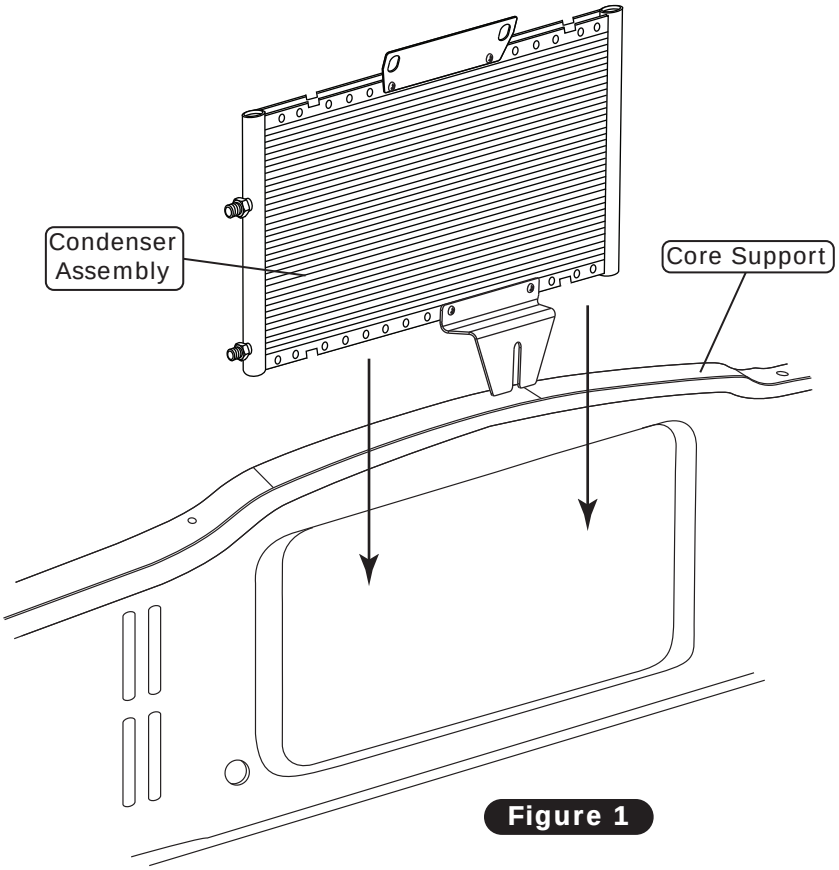


Figure 1

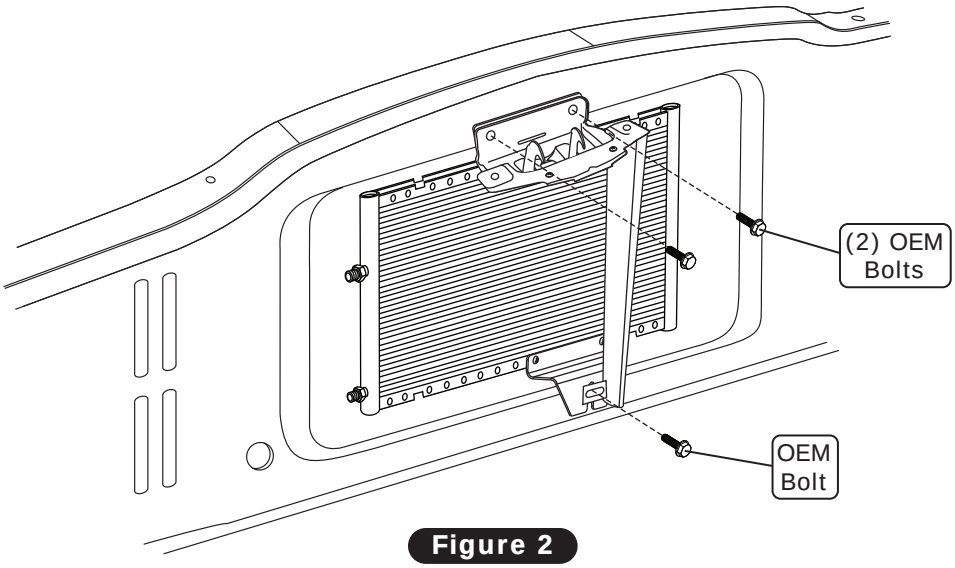


Figure 2

Hardline Installation

1. Lubricate a #6 and a #8 O-ring as shown in Lubricating O-rings, below. Install the #6 condenser/core support hardline and the #8 condenser hardline as shown in Figure 1, below. Tighten fittings as shown in Lubricating O-rings, below.

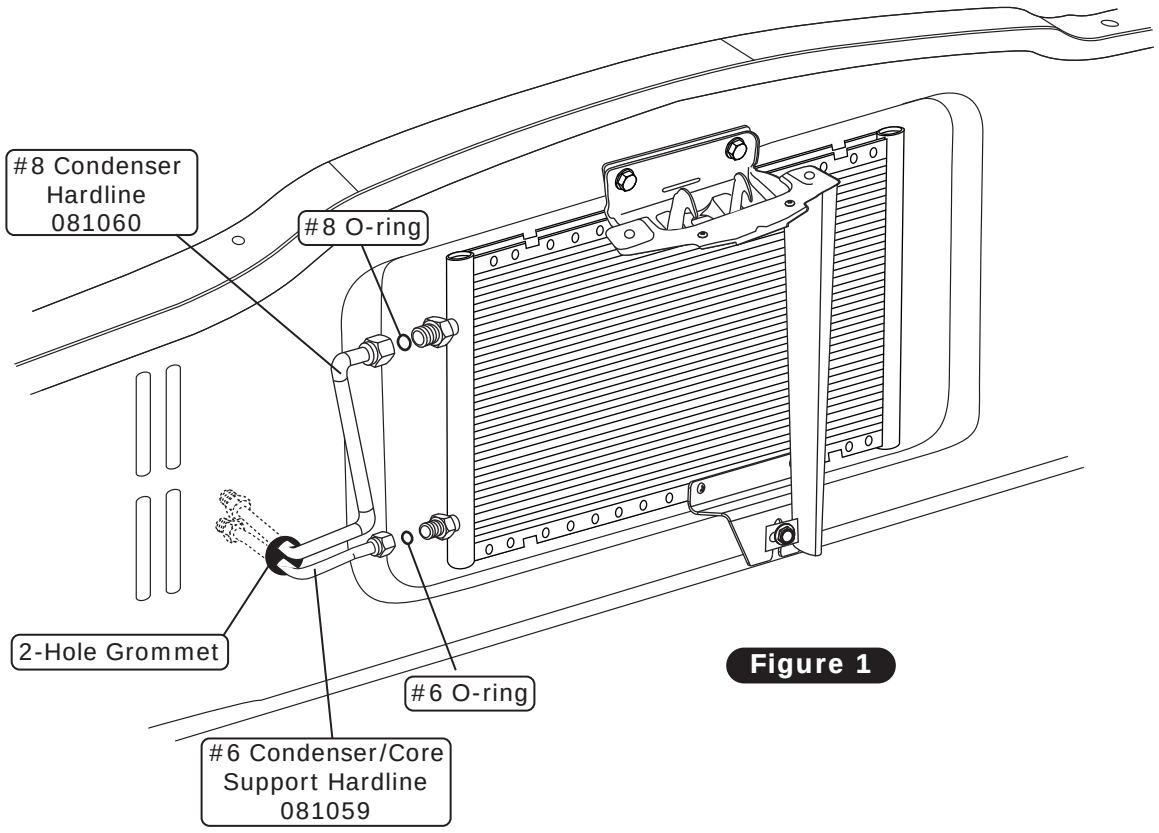
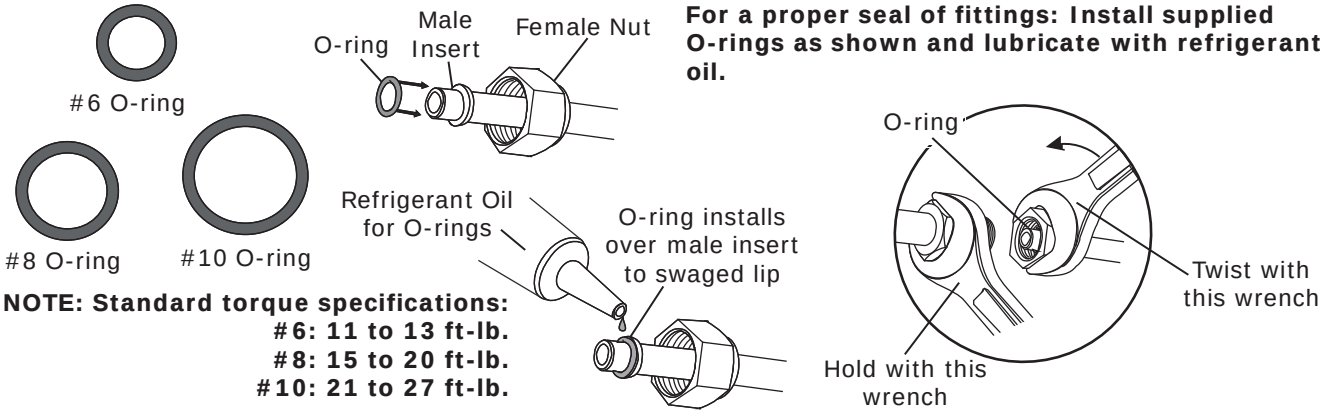


Figure 1

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.

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Drier, Binary Switch & A/C Hose Installation

NOTE: Drier contains a desiccant that will quickly absorb moisture from the atmosphere and can lose effectiveness in less than 30 minutes. Remove caps and plugs only long enough to install safety switch and hardlines onto a sealed condenser assembly. Do not uncap again until ready to connect hoses and evacuate system before charging.

Perform the following:

1. Install the drier clamps onto the drier, then attach the drier to the shock tower using (2) #10 x 1/2" sheet metal screws as shown in Figure 1, below. **NOTE: Refrigerant flow through drier is IN from condenser, OUT to evaporator.**
2. Install the binary switch onto the drier as shown in Figure 1, below.
3. Lubricate (2) #6 O-rings as shown in Lubricating O-rings, Page 8. Install the #6 condenser/drier A/C hose onto the drier and the #6 condenser/core support hardline as shown in Figure 1, below. Tighten fittings as shown in Lubricating O-rings, Page 8.
4. Install a 3/4" I.D. Adel clamp onto the #6 A/C hose using a #10 x 1/2" sheet metal screw as shown in Figure 1, below.

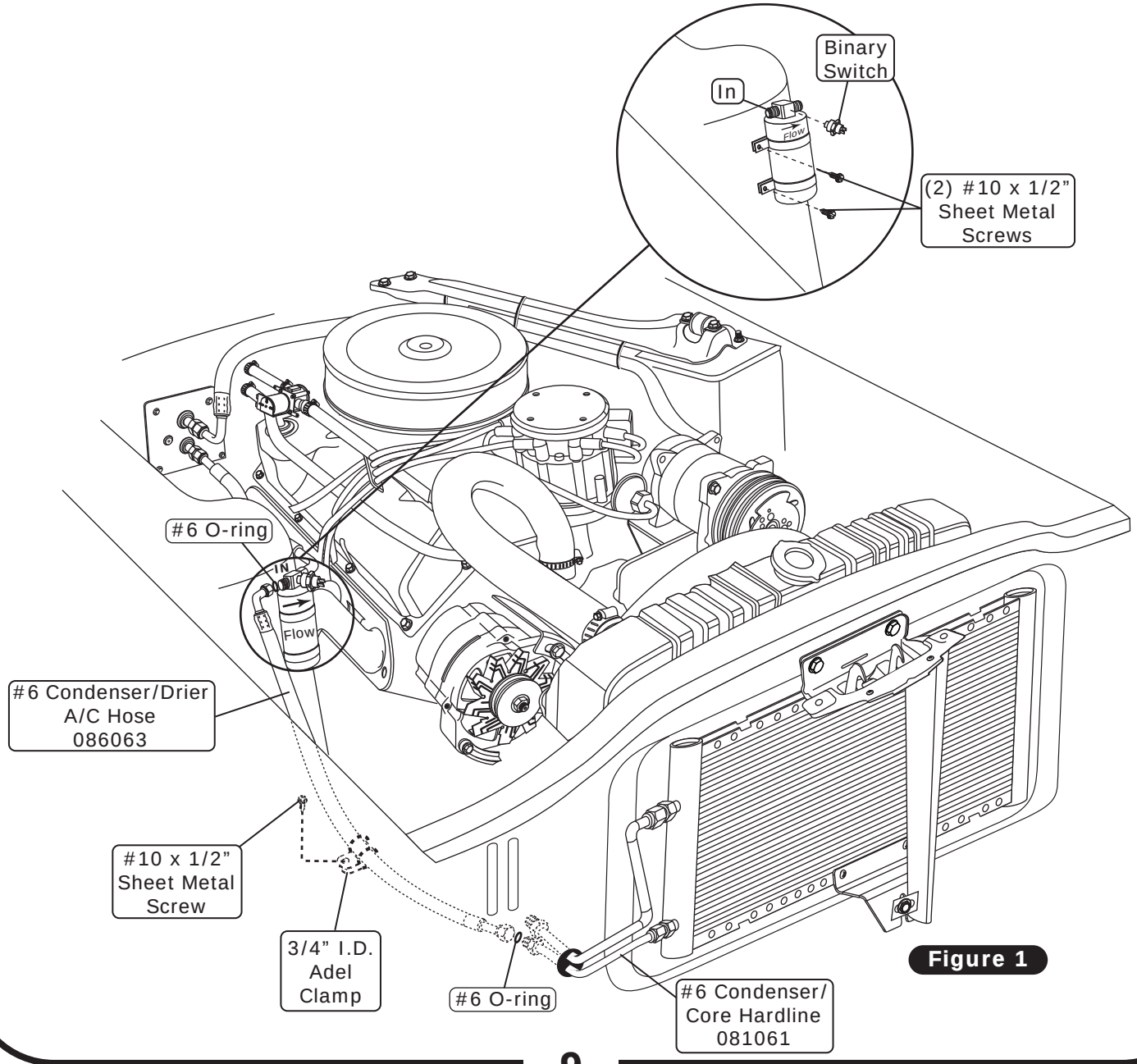

Figure 1

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Packing List: Condenser Kit (011064)

	Qty		Part No	Description
	1	☐	11079-VUS	Binary Switch, Male
	3	☐	18247-VUB	Screw, #10 x 1/2", Sheet Metal
	4	☐	18249-VUB	Screw, 10-24 x 3/8", Pan Head
	4	☐	18260-VUB	Nut with Star Washer, 10-24
	1	☐	23135-VUW	Compressor Lead
	1	☐	33134-VUI	Grommet, 2-Hole
	1	☐	31602-VUD	Adel Clamp, 3/4" I.D.

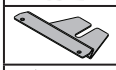
Packed By: _____

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

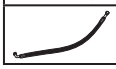
Packed By: _____

Brackets

	Qty		Part No	Description
	2	☐	07113-VUB	Drier Clamp
	1	☐	642091	Bracket, Condenser, Lower
	1	☐	642092	Bracket, Condenser, Upper

Packed By: _____

Hardlines / Hoses

	Qty		Part No	Description
	1	☐	081059	Hardline, #6 Cond/Core Support
	1	☐	081060	Hardline, #8 Condenser
	1	☐	086063	Hose, #6 A/C, Condenser/ Drier, PS

Packed By: _____

Condenser / Drier

	Qty		Part No	Description
	1	☐	037031	Condenser, 16" x 18", Parallel Flow
	1	☐	07321-VUC	Drier

Packed By: _____

Inspected By: _____
Date: _____