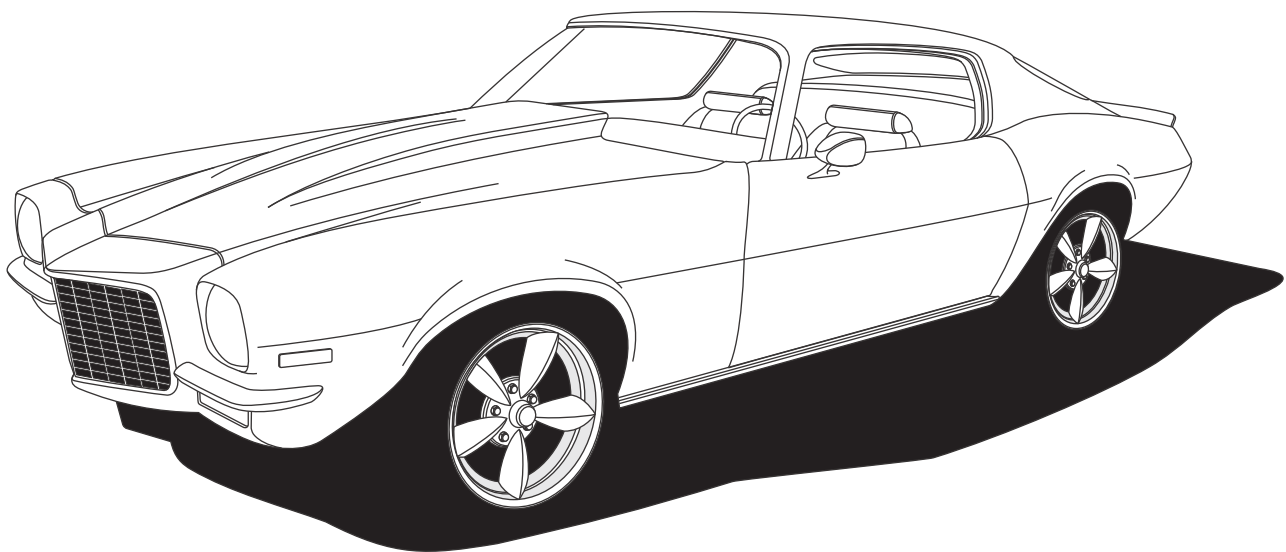




1970-73 Camaro

Condenser Kit *with* Drier
***with and without* Factory Air**
(021071)



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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.



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.

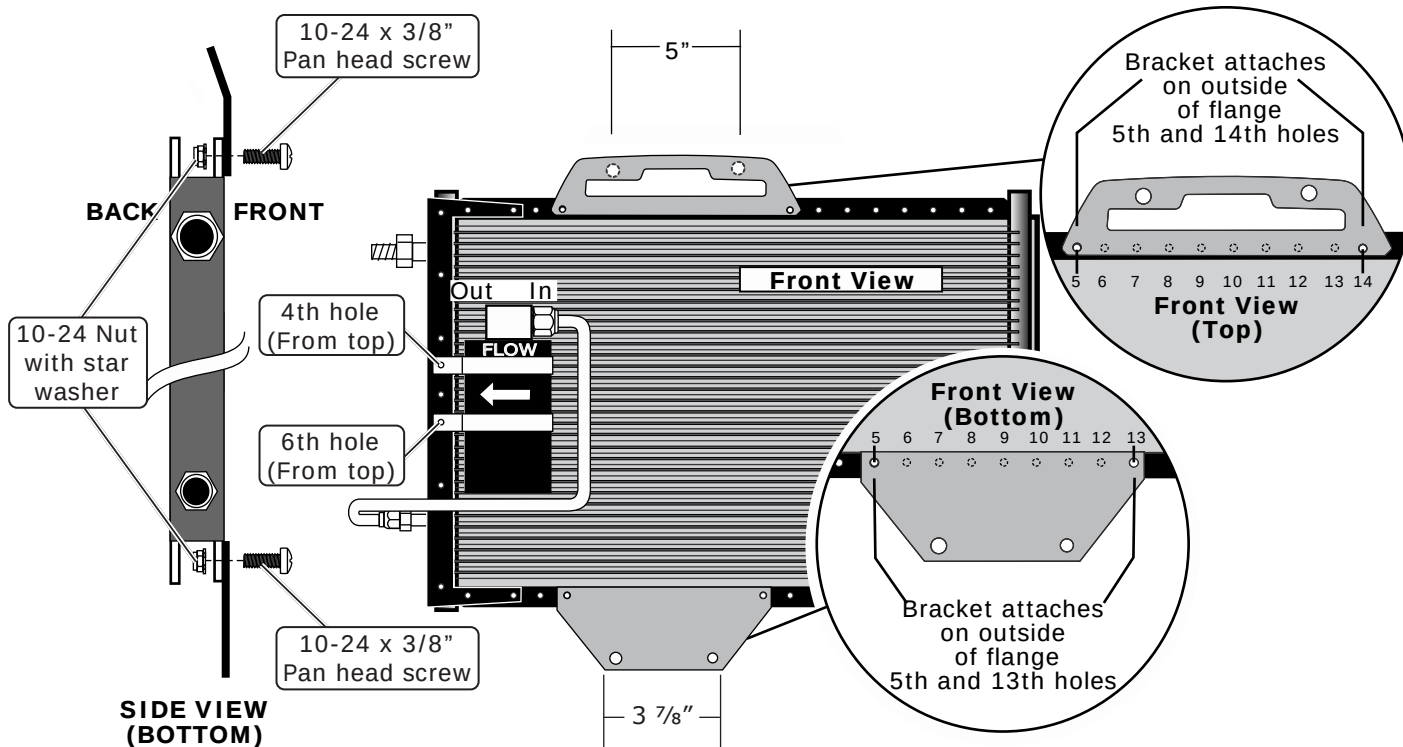
Heater Hose (not included with this kit):

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.



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Condenser Assembly



Drier Bracket Installation

1. Install the drier mounting bracket onto 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: Brackets mount through the 1st and 3rd holes in the condenser.**

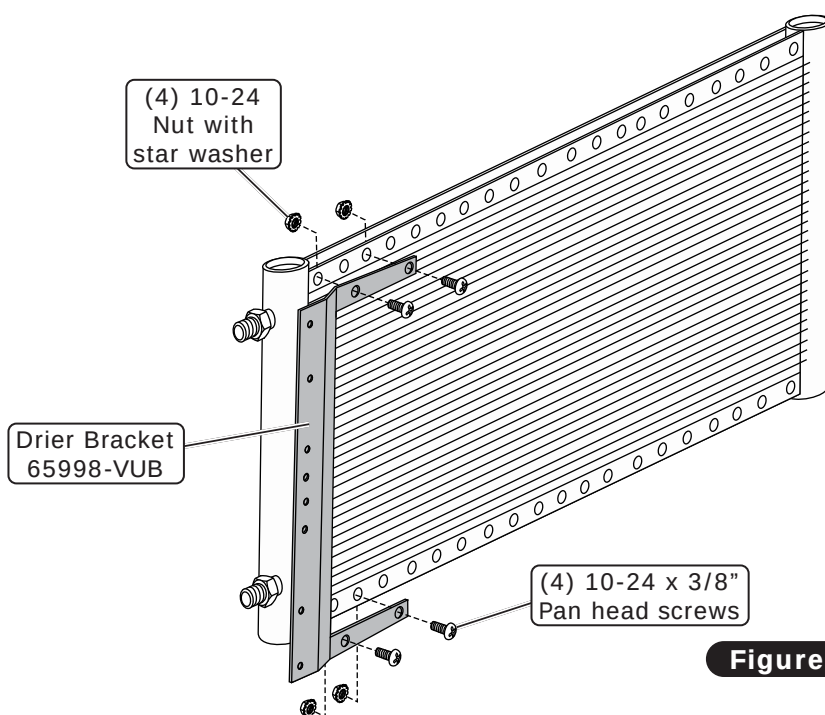


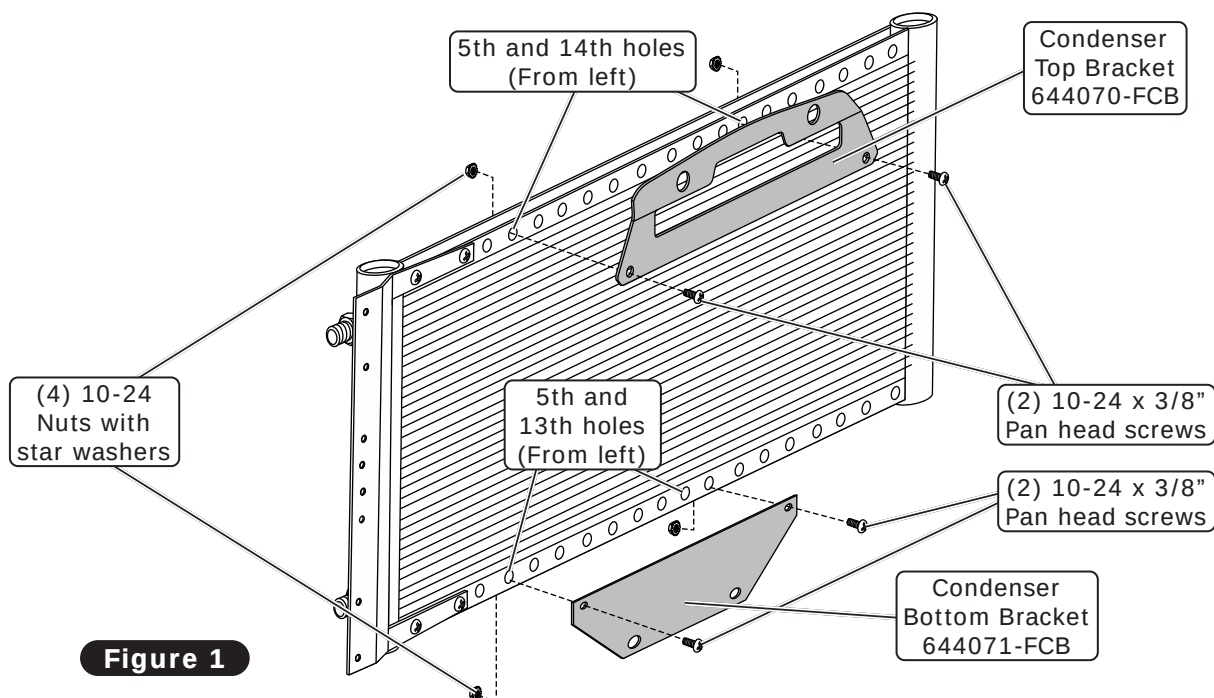
Figure 1



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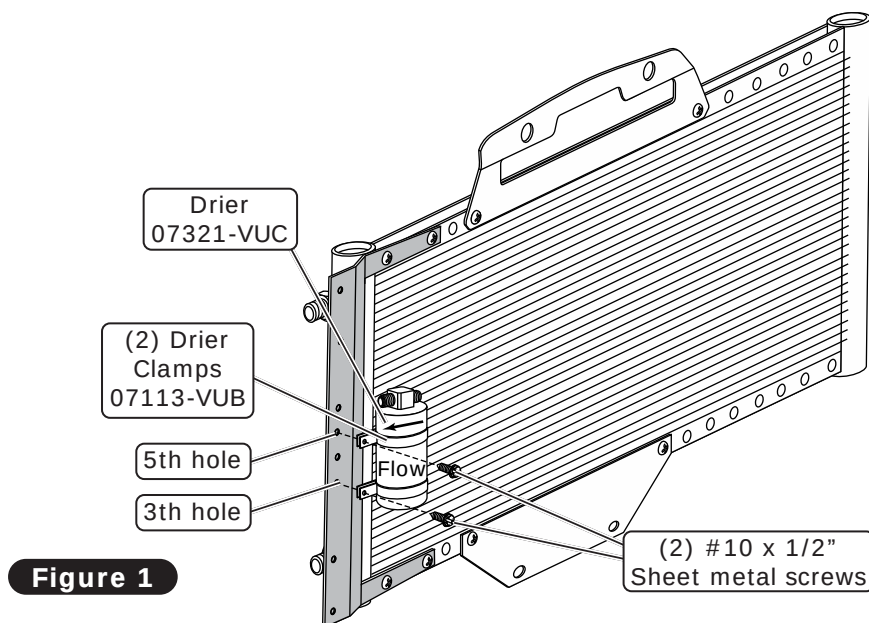
Mounting Bracket Installation

1. Install the top mounting bracket onto the condenser using (2) 10-24 x 3/8" pan head screws and (2) 10-24 nuts with star washers as shown in Figure 1, below. **NOTE: Bracket mounts through the 5th and 14th holes from the left side of the condenser.**
2. Install the bottom mounting bracket onto the condenser using (2) 10-24 x 3/8" pan head screws and (2) 10-24 nuts with star washers as shown in Figure 1, below. **NOTE: Bracket mounts through the 5th and 13th holes from the left side of the condenser.**



Drier Installation

1. Install clamps onto the drier, then install the drier onto the bracket using (2) #10 x 1/2" sheet metal screws as shown in Figure 1, below. **NOTE: Drier install through the 3rd and 5th holes from the bottom of the bracket.**





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#6 Drier/Condenser Hardline Installation

1. Lubricate (2) #6 O-rings (See Figure 1a, below), and install the #6 drier/condenser hardline as shown in Figure 1, below.
2. Tighten fittings as shown in Figure 1a, below.

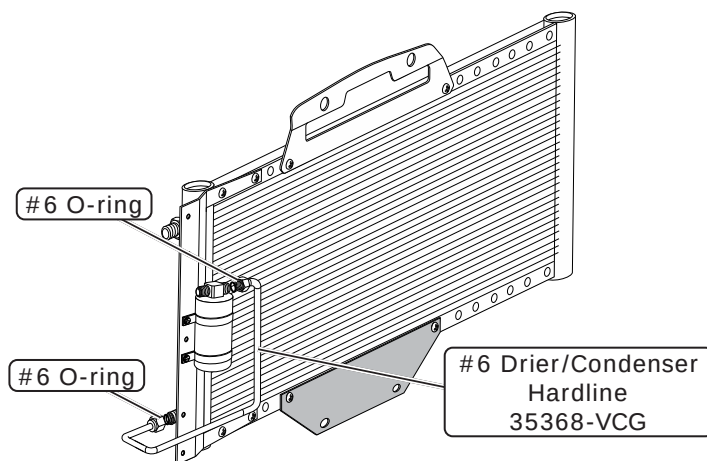
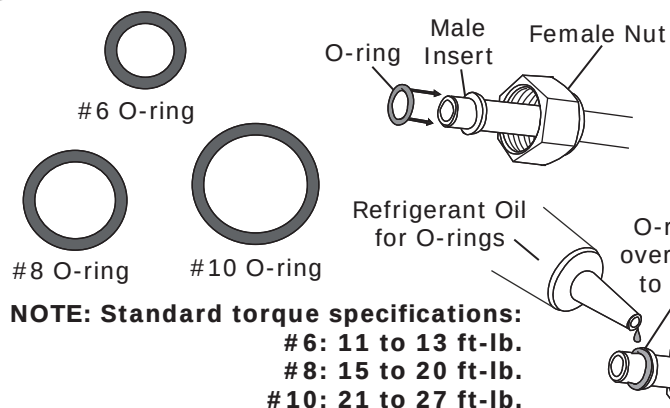


Figure 1

Lubricating O-rings



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

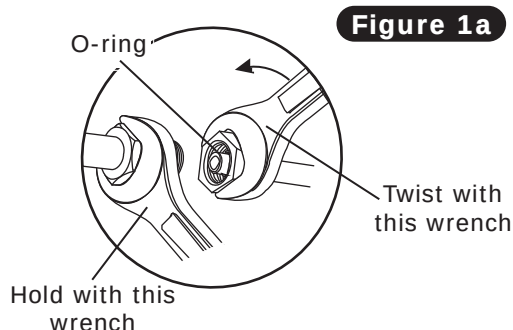


Figure 1a

Hood Latch Assembly

1. Remove OEM hood latch assembly (See Figure 1, below).

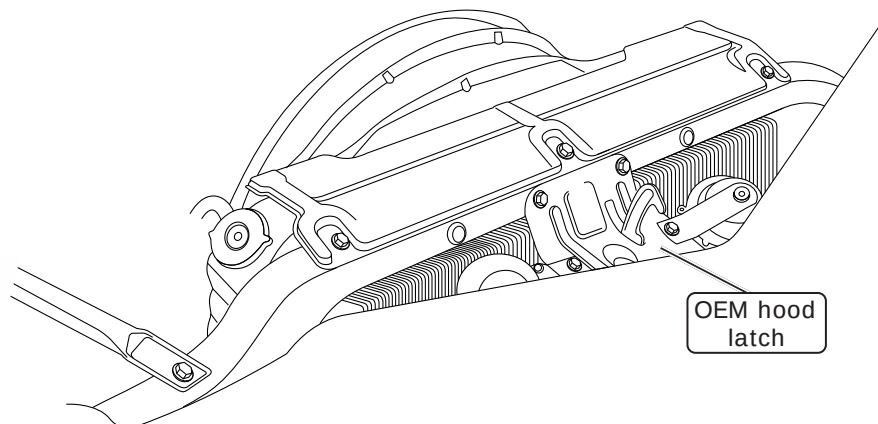


Figure 1



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Radiator Removal and Condenser Installation

1. Drain and remove the radiator.
2. Lower the condenser assembly between the front side of the core support and the front header as shown in Figure 1, below. **NOTE: The top mounting bracket goes on the front side on the core support.**
3. Secure the bottom passenger side of the condenser to the core support using a 5/16" flat washer and OEM bolt as shown in Figure 2, below.
4. Use the driver side mounting hole as a guide, and drill a 3/16" hole on core support. Secure the condenser to the core support using a 5/16" flat washer and a #14 x 3/4" sheet metal screw as shown in Figure 2, below.

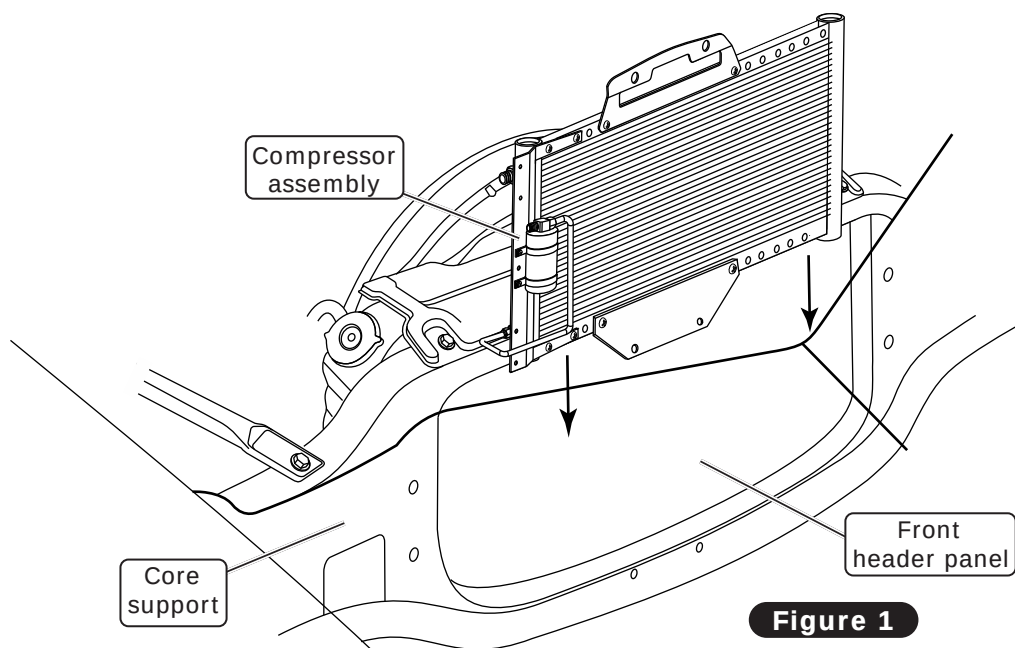


Figure 1

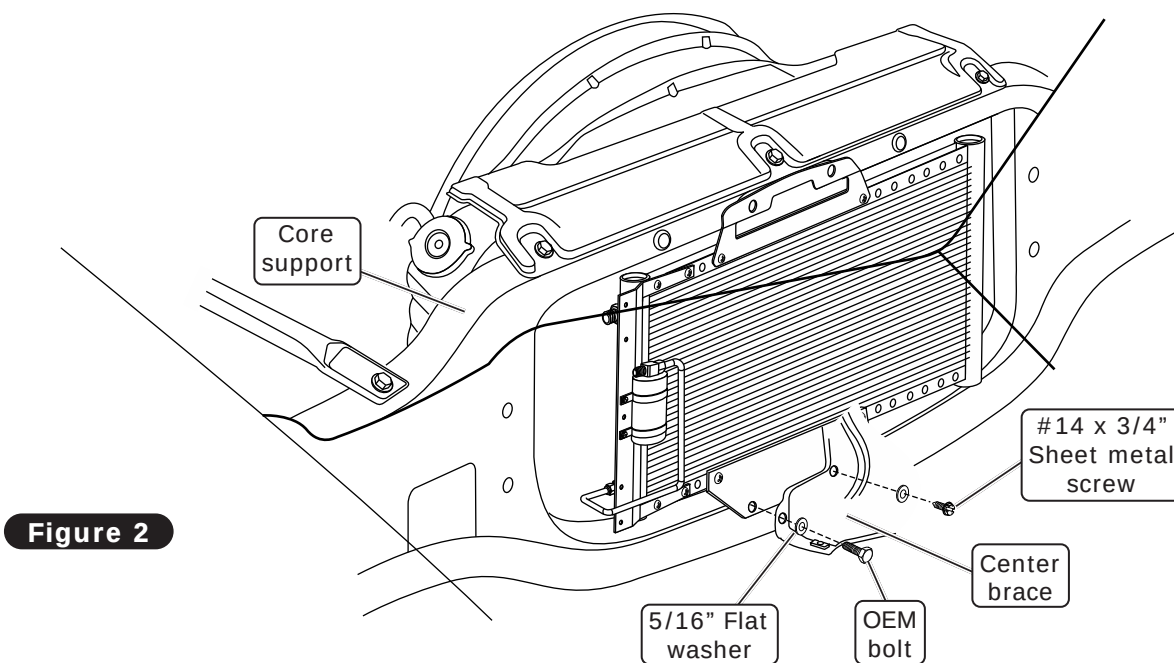


Figure 2



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Reinstalling Hood Latch

1. Install the OEM bolts through the condenser bracket, hood latch assembly and core support as shown in Figure 1, below.

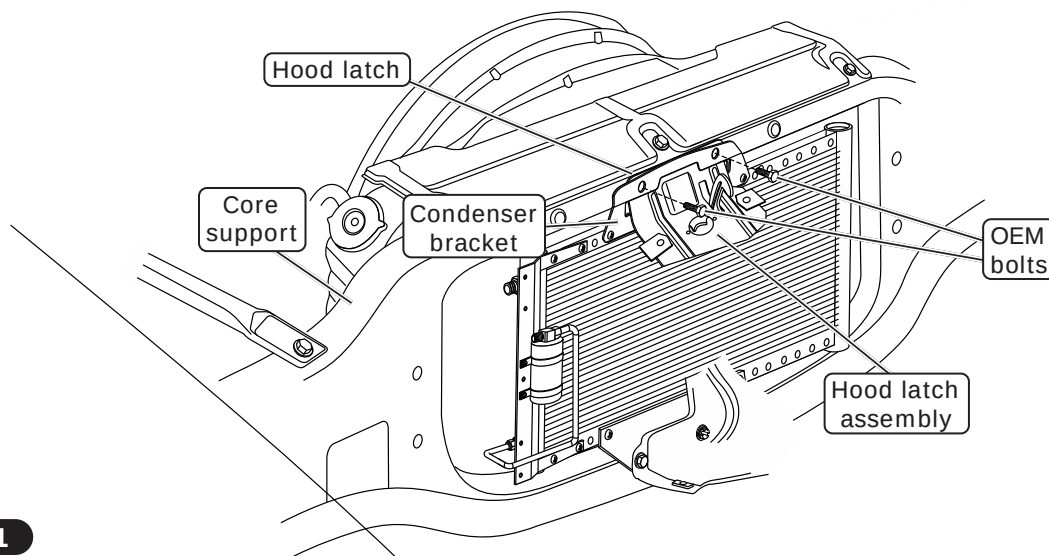


Figure 1

#6 and #8 Hardline Installation

NOTE: To install passenger side #6 and #8 hardlines, you must remove the passenger side headlight.

1. Lubricate a #6 and #8 O-ring (See Figure 1a, Page 6). Install the #6 drier/core hardline and the #8 condenser/compressor hardline as shown in Figure 1, below. Tighten fittings as shown in Figure 1a, Page 6.
2. Install a 1/2" Adel clamp on the #8 hardline and a 3/8" Adel clamp on the #6 hardline as shown in Figure 1, below.
3. Using a 10-24 x 3/8" pan head screw and 10-24 nut with star washer, secure the Adel clamps together as shown in Figure 1, below.

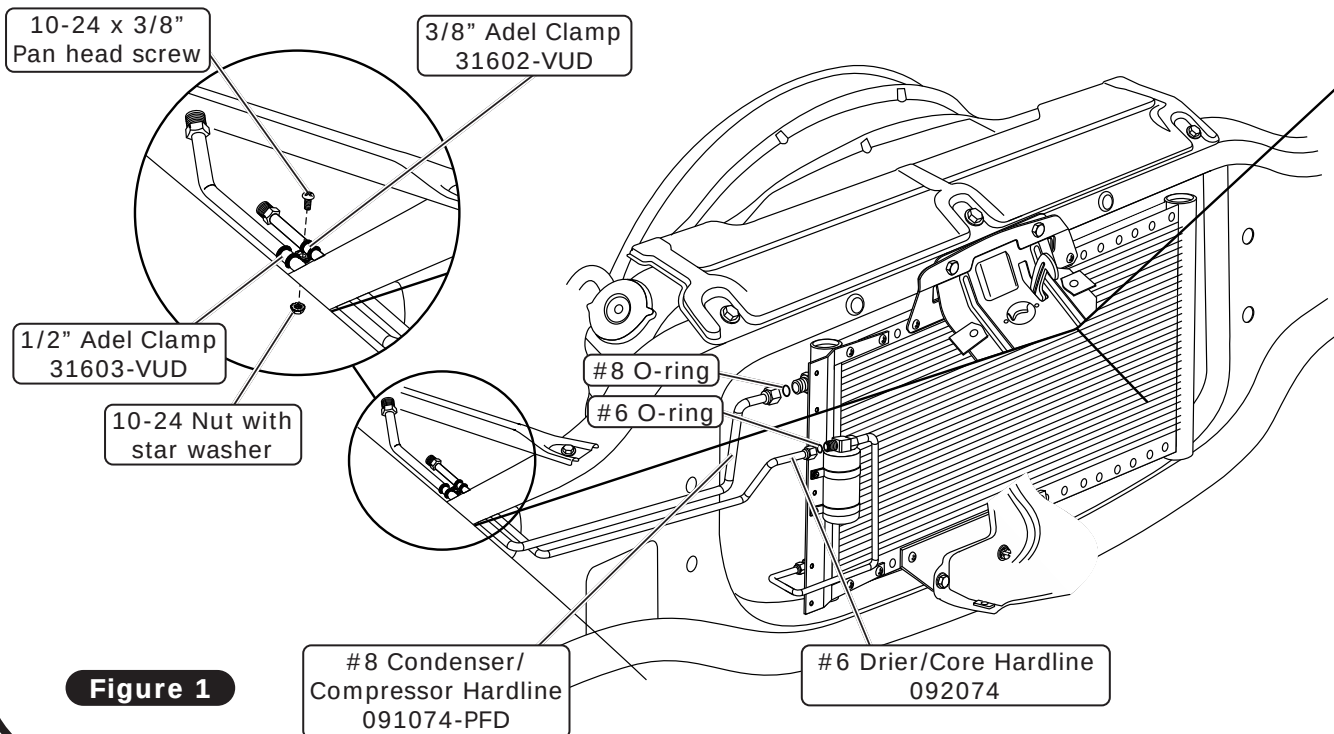


Figure 1



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Binary Switch Installation

1. Install male binary switch as shown in Figure 1, below.

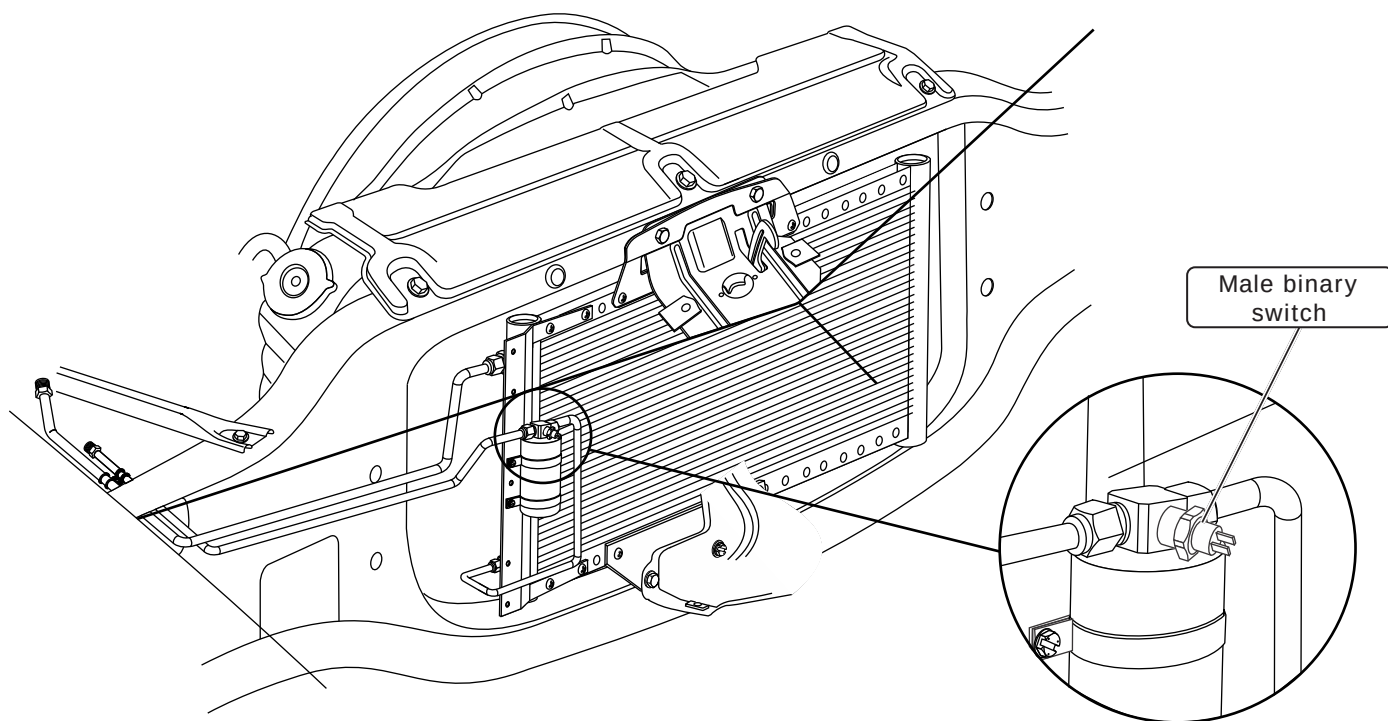


Figure 1



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Packing List: Condenser Kit (021071)

O-rings / Refrigerant Oil

	Qty		Part No	Description
	1	☐	11079-VUS	Binary Switch, Male
	2	☐	18247-VUB	Screw, #10 x 1/2", Sheet Metal
	9	☐	18249-VUB	Screw, 10-24 x 3/8", Pan Head
	9	☐	18260-VUB	Nut with Star Washer, 10-24
	1	☐	18266-VUB	Screw, #14 x 3/4", Sheet Metal
	2	☐	18611-VUB	Washer, 5/16", Flat
	1	☐	23127-VUB	Compressor Lead
	1	☐	31600-VUD	Adel Clamp, 3/8" I.D.
	1	☐	31603-VUD	Adel Clamp, 1/2" I.D.

Packed By: _____

	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	☐	644070-FCB	Bracket, Condenser, Top
	1	☐	644071-FCB	Bracket, Condenser, Bottom
	1	☐	65998-VUB	Bracket, Drier

Packed By: _____

Hardlines / Hoses

	Qty		Part No	Description
	1	☐	091074-PFD	Hardline, #8, Condenser/Compressor
	1	☐	092074	Hardline, #6, Core/Drier
	1	☐	35368-VCG	Hardline, #6, Condenser/Drier

Packed By: _____

Condenser / Drier

	Qty		Part No	Description
	1	☐	03766-VUC	Condenser, 14" x 22", Parallel 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.**