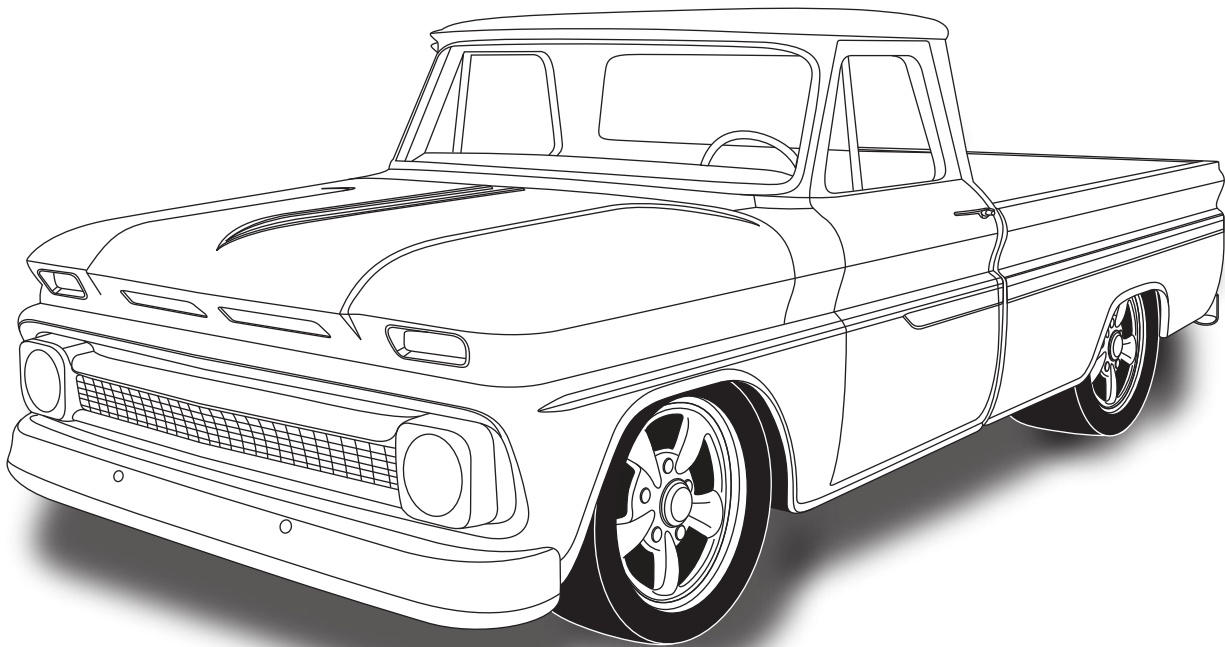




1960-66 Chevrolet Pickup

Condenser Kit *with* Drier
(021564)



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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.



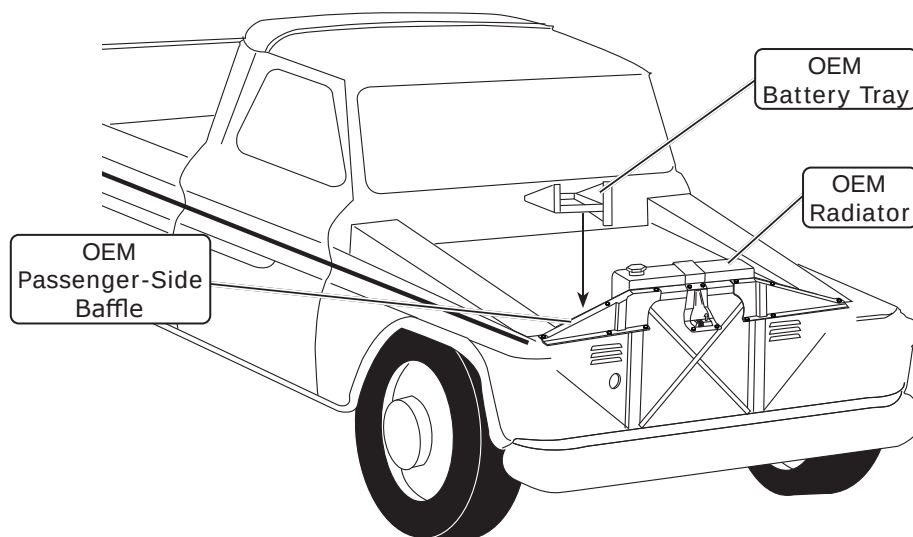
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Engine Compartment Disassembly

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 (retain).
3. Remove the OEM radiator and the passenger-side baffle (retain).



Core Support Modification

1. Drill a 1 1/4" hole through the core support as shown in Figure 1, below.
2. Install a 2-hole grommet.

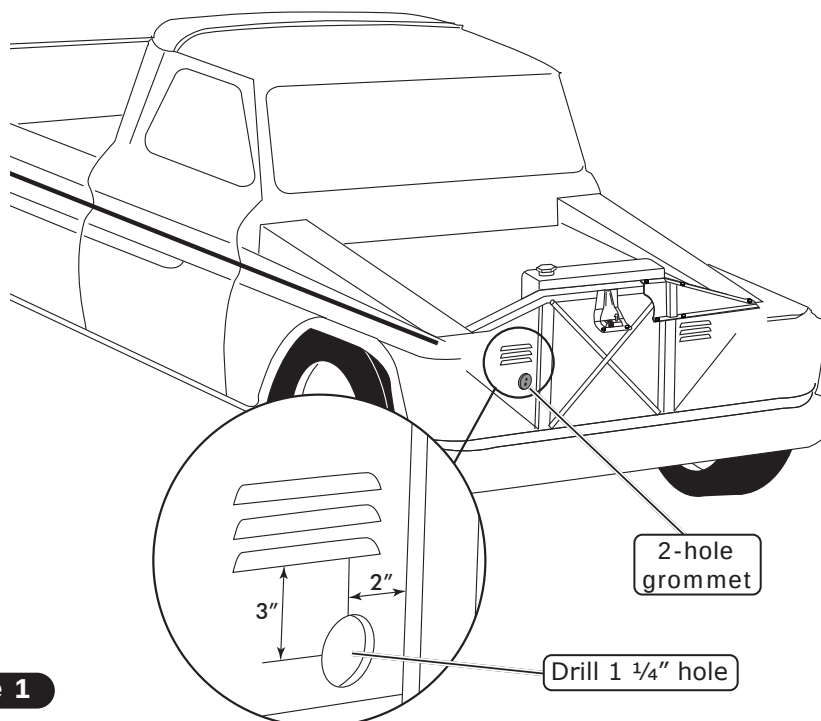


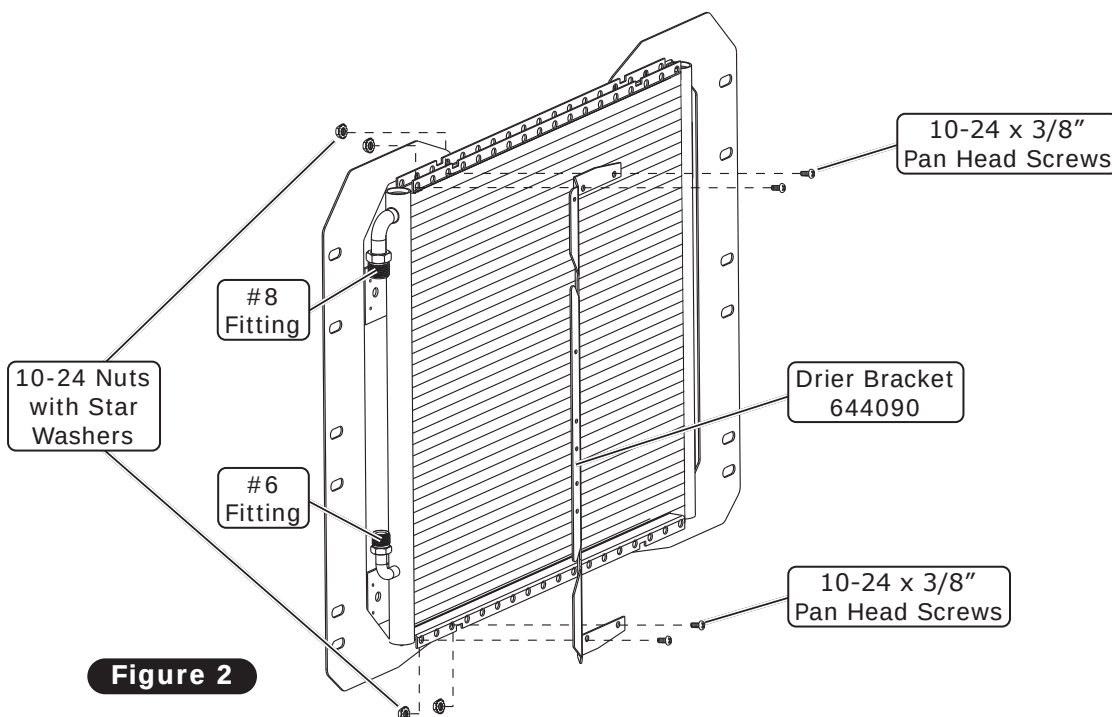
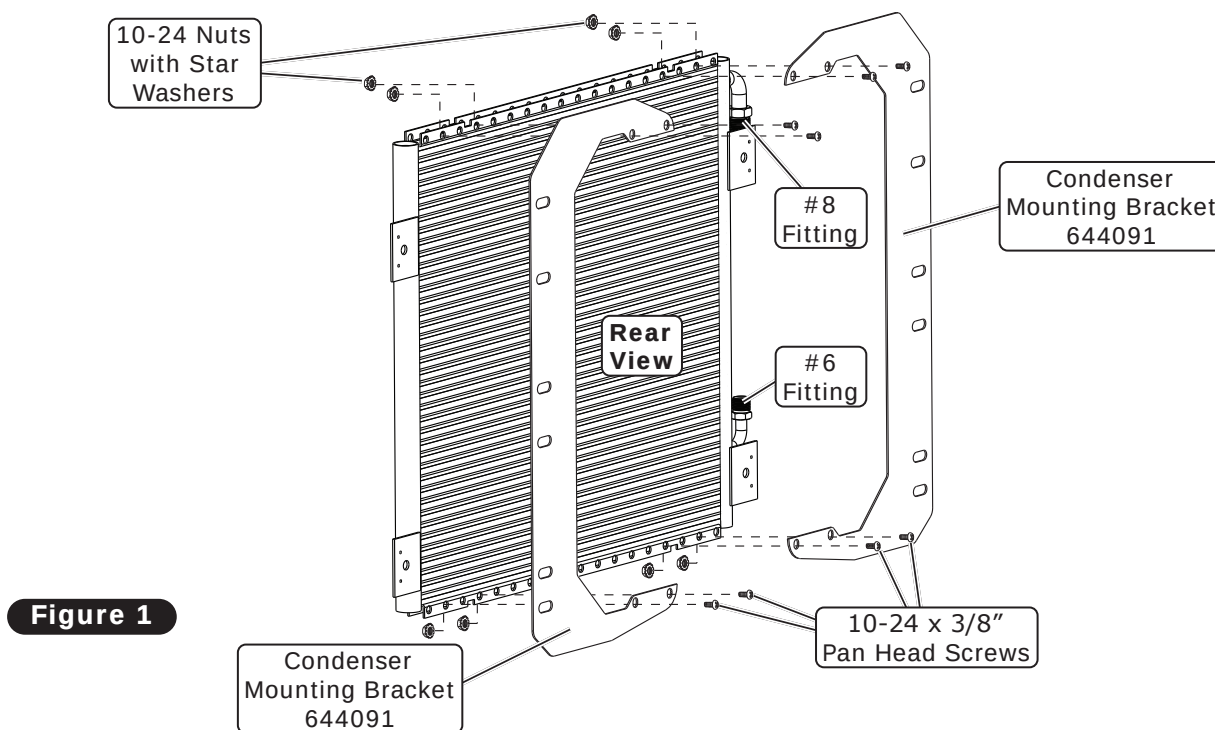
Figure 1



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Condenser Mounting Bracket and Drier Bracket Installation

1. Install the condenser mounting brackets onto the back of the condenser using 10-24 x 3/8" pan head screws and 10-24 nut with star washers as shown in Figure 1, below. **NOTE: Brackets mount through the 2nd and 4th holes of the condenser.**
2. Install the drier bracket onto the condenser using 10-24 x 3/8" pan head screws and 10-24 nut with star washers as shown in Figure 2, below. **NOTE: Bracket mounts through the 1st and 3rd holes of the condenser.**





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Drier 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 (See Figure 1, below).
2. Using #10 x 1/2" sheet metal screws, install the drier onto the bracket in the 3rd and 6th holes from the top as shown in Figure 1, below. **NOTE: Refrigerant flow through drier is IN from condenser, OUT to evaporator.**

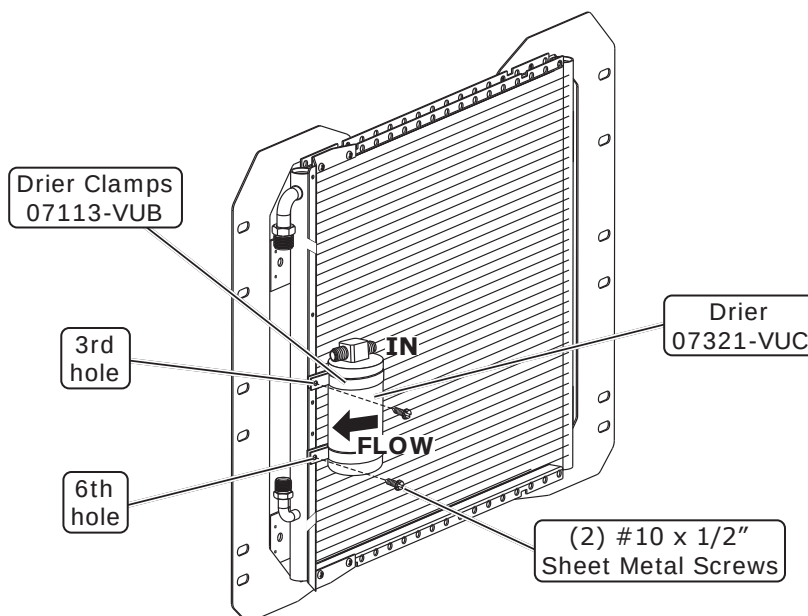


Figure 1

#6 Installation/Drier Hardline Installation

1. Lubricate (2) #6 O-rings (See Lubricating O-rings, Page 8), and install the #6 drier/condenser hardline as shown in Figure 1, below. Tighten fittings as shown in Lubricating O-rings, Page 8.

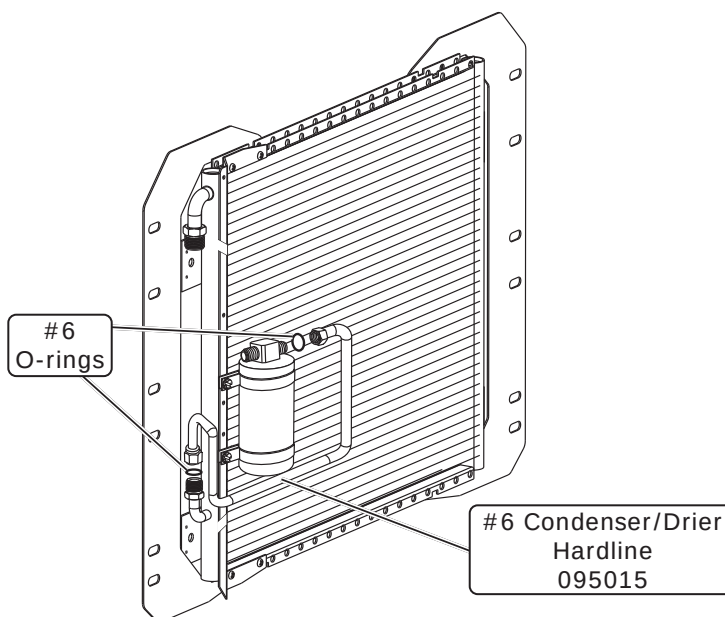


Figure 1



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Condenser Installation

1. Install the condenser assembly between the radiator and the engine side of the core support using the OEM bolts and OEM holes as shown in Figure 1, below. **NOTE: The condenser mounts using the 2nd, 4th, and 6th holes from the top of the condenser brackets.**

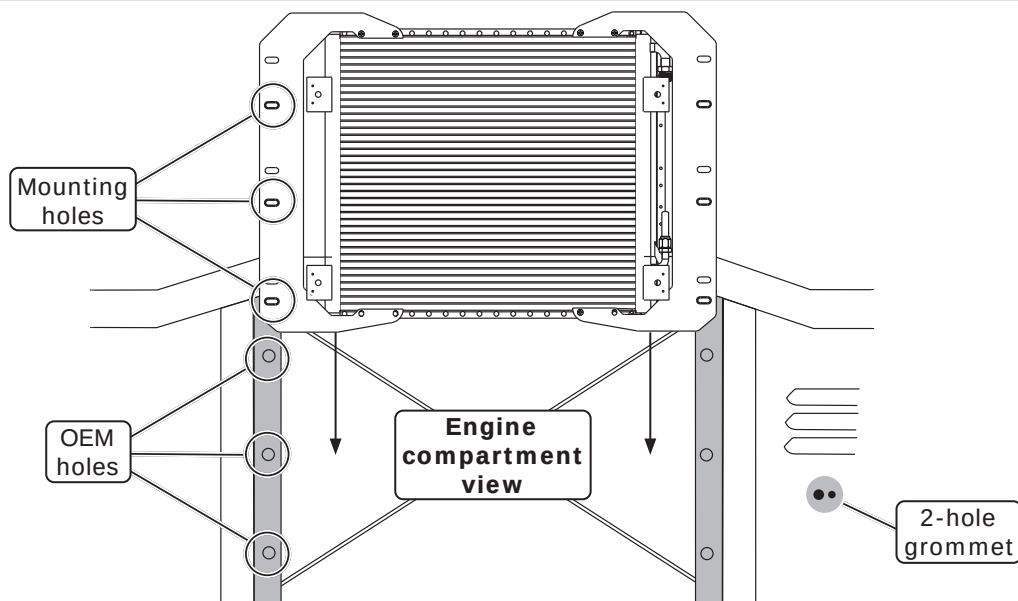


Figure 1

#6 and #8 Hardline and Binary Switch Installation

1. Lubricate a #6 O-ring (See Lubricating O-rings, Page 8), and install the #6 hardline as shown in Figure 1, below. Tighten fittings as shown in Lubricating O-rings, Page 8.
2. Lubricate a #8 O-ring (See Lubricating O-rings, Page 8), and install the #8 hardline as shown in Figure 1, below. Tighten fittings as shown in Lubricating O-rings, Page 8.
3. Install the binary switch (See Figure 1, below).

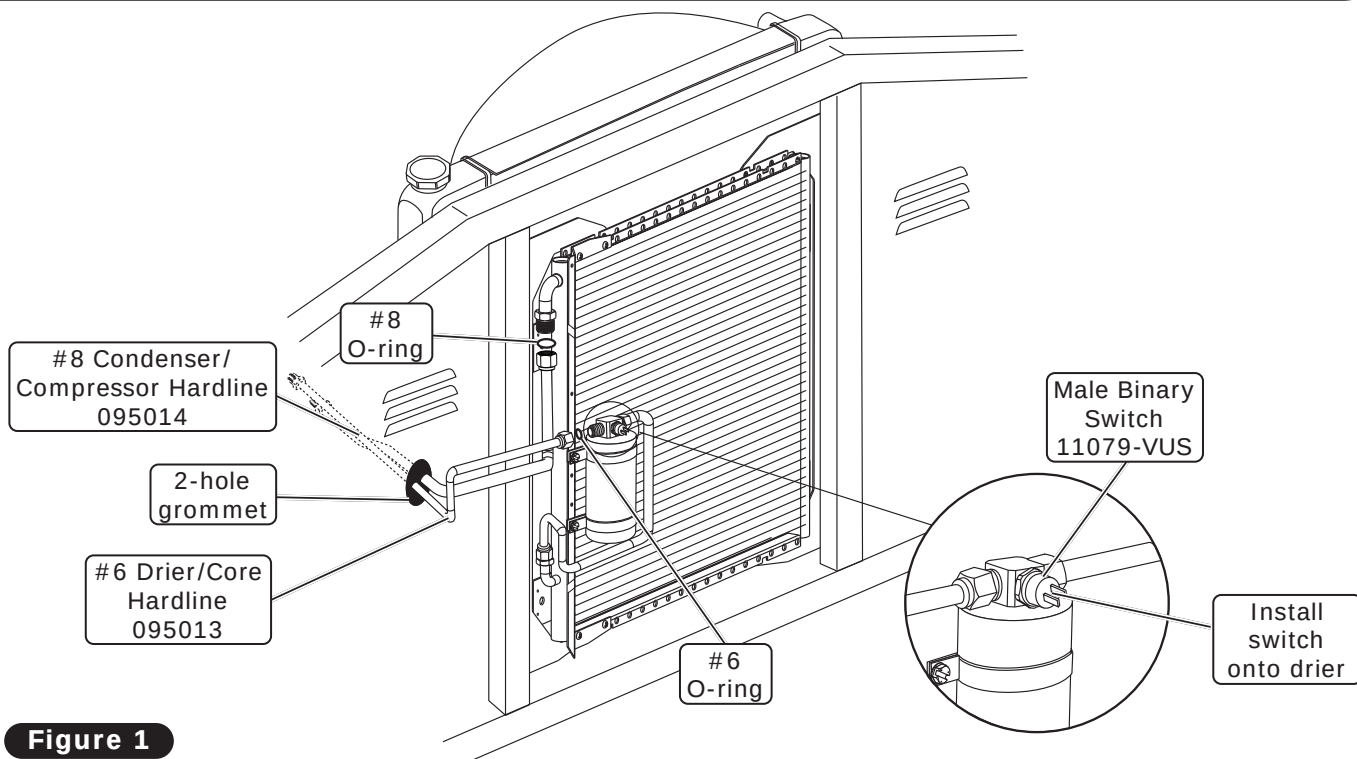
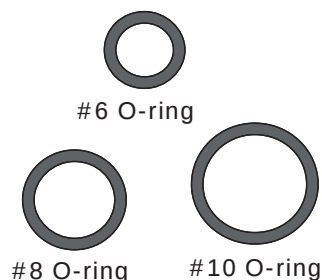


Figure 1

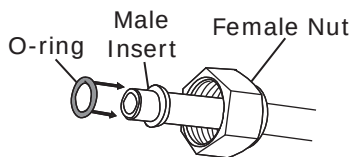


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Lubricating O-rings

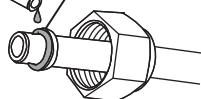


NOTE: Standard torque specifications:
 #6: 11 to 13 ft-lb.
 #8: 15 to 20 ft-lb.
 #10: 21 to 27 ft-lb.

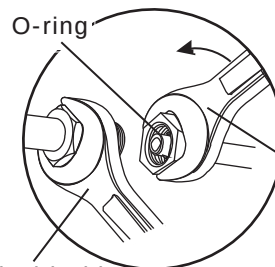


Refrigerant Oil
for O-rings

O-ring installs
over male insert
to swaged lip



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



Twist with
this wrench

Hold with this
wrench

Hardline Adel Clamp Installation

1. Install the Adel clamps onto the hardlines, then secure them to the inner fender as shown in Figure 1, below.
2. Install the OEM radiator, battery tray, and passenger-side baffle at this time.

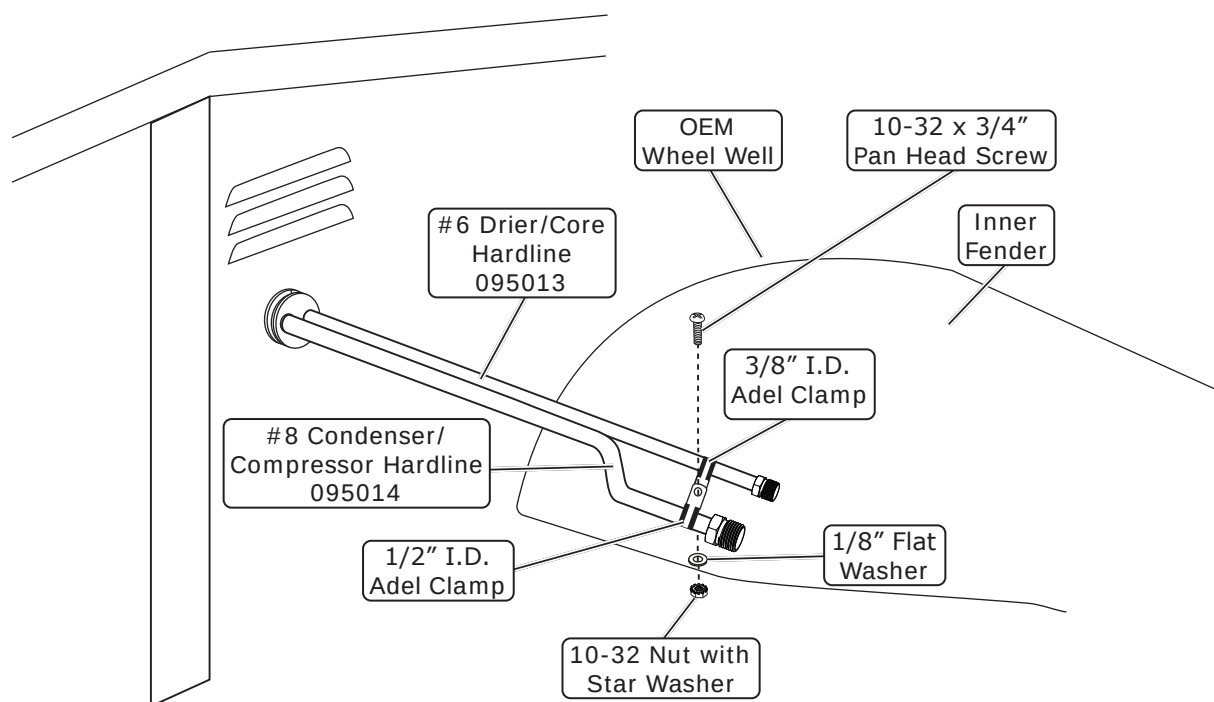


Figure 1



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Packing List: Condenser Kit (021564)

O-rings / Refrigerant Oil

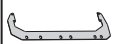
	Qty		Part No	Description
	1	☐	11079-VUS	Binary Switch, Male
	2	☐	18247-VUB	Screw, #10 x 1/2", Sheet Metal
	12	☐	18249-VUB	Screw, 10-24 x 3/8", Pan Head
	1	☐	18251-VUB	Nut with Star Washer, 10-32
	1	☐	18256-VUB	Screw, 10-32 x 3/4", Pan Head
	12	☐	18260-VUB	Nut with Star Washer, 10-24
	1	☐	23135-VUW	Compressor Lead
	1	☐	31600-VUD	Adel Clamp, 3/8" I.D.
	1	☐	31603-VUD	Adel Clamp, 1/2" I.D.
	1	☐	33134-VUI	Grommet, 2-Hole
	1	☐	49705-VUI	Washer, 1/8", Nylon Flat

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	☐	644090	Bracket, Drier
	2	☐	644091	Bracket, Condenser Mounting

Packed By: _____

Hardlines / Hoses

	Qty		Part No	Description
	1	☐	095013	Hardline, #6 Drier/Core
	1	☐	095014	Hardline, #8 Condenser/Compressor
	1	☐	095015	Hardline, #6 Condenser/Drier

Packed By: _____

Condenser / Drier

	Qty		Part No	Description
	1	☐	03768-VUC	Condenser, 17" x 19", Parallel Flow
	1	☐	07321-VUC	Drier

Packed By: _____

Inspected By: _____

Date: _____