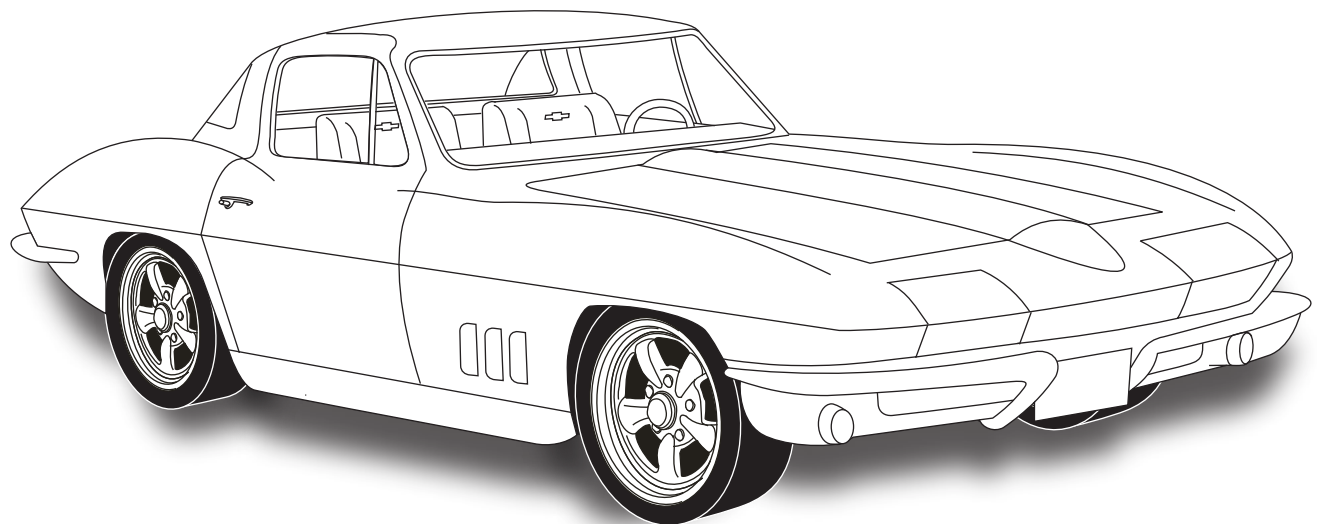




1966-67 Corvette

Condenser Kit *with* Drier
(021175)



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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.



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Core Support Modification

NOTE: Mark the hinge location on the hood and remove the hood. Remove the hood prop. On factory air only vehicles, evacuate the system if necessary. Remove the OEM condenser, drier and A/C hardlines.

1. Remove the ground bolt from the core support (retain wire and bolt) (See Photo 1, below).
2. Using the OEM ground bolt secure the hardline/hose plate to the core support. Remove (if necessary) any obstructions in the areas as shown in Photo 2, below.



Photo 1

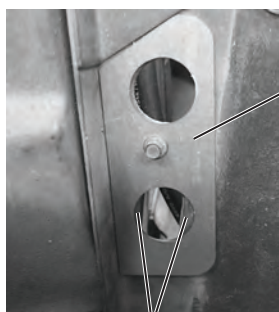


Photo 2

Remove ground bolt from core support

Hardline/
Hose Plate
644216

Remove any obstructions in areas

Mounting Bracket/Drier Installation

1. Install mounting brackets onto the condenser using 10-24 x 3/8" pan head screws and 10-24 nuts with star washers as shown in Figure 1, below.

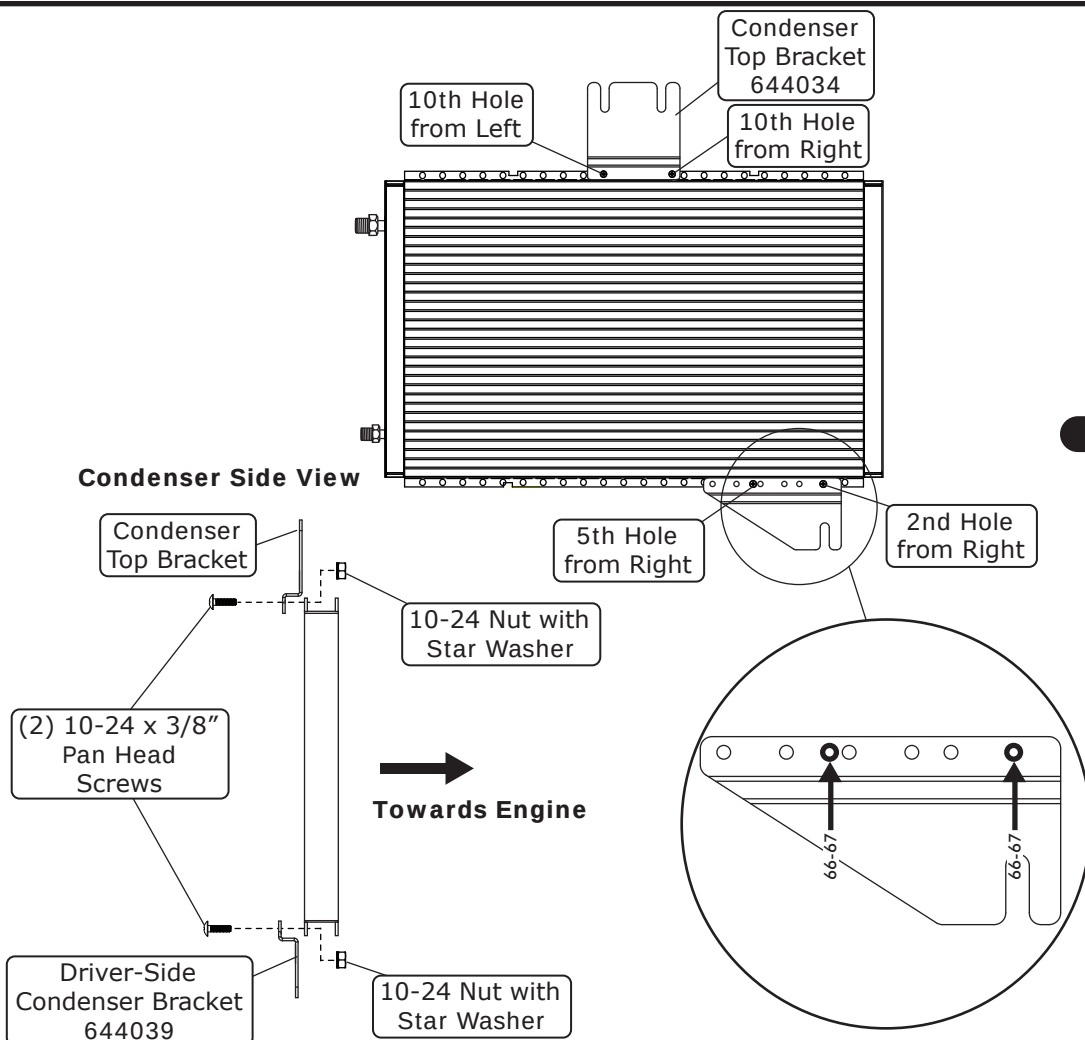


Figure 1



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Mounting Bracket/ Drier Installation (Cont.)

2. Install the mounting brackets onto the condenser using 10-24 x 3/8" pan head screws and 10-24 nuts with star washers as shown in Figure 2, below. **NOTE: Brackets mount through the 1st and 3rd holes on the top and 2nd and 3rd holes on the bottom of the condenser.**
3. Install the drier clamps on the drier as shown in Figure 2, below.
4. Using (2) #10 x 1/2" sheet metal screws install the drier on the bracket in the 4th and 6th holes from the top. **NOTE: Refrigerant flow through drier is in from the condenser, out to the evaporator.**

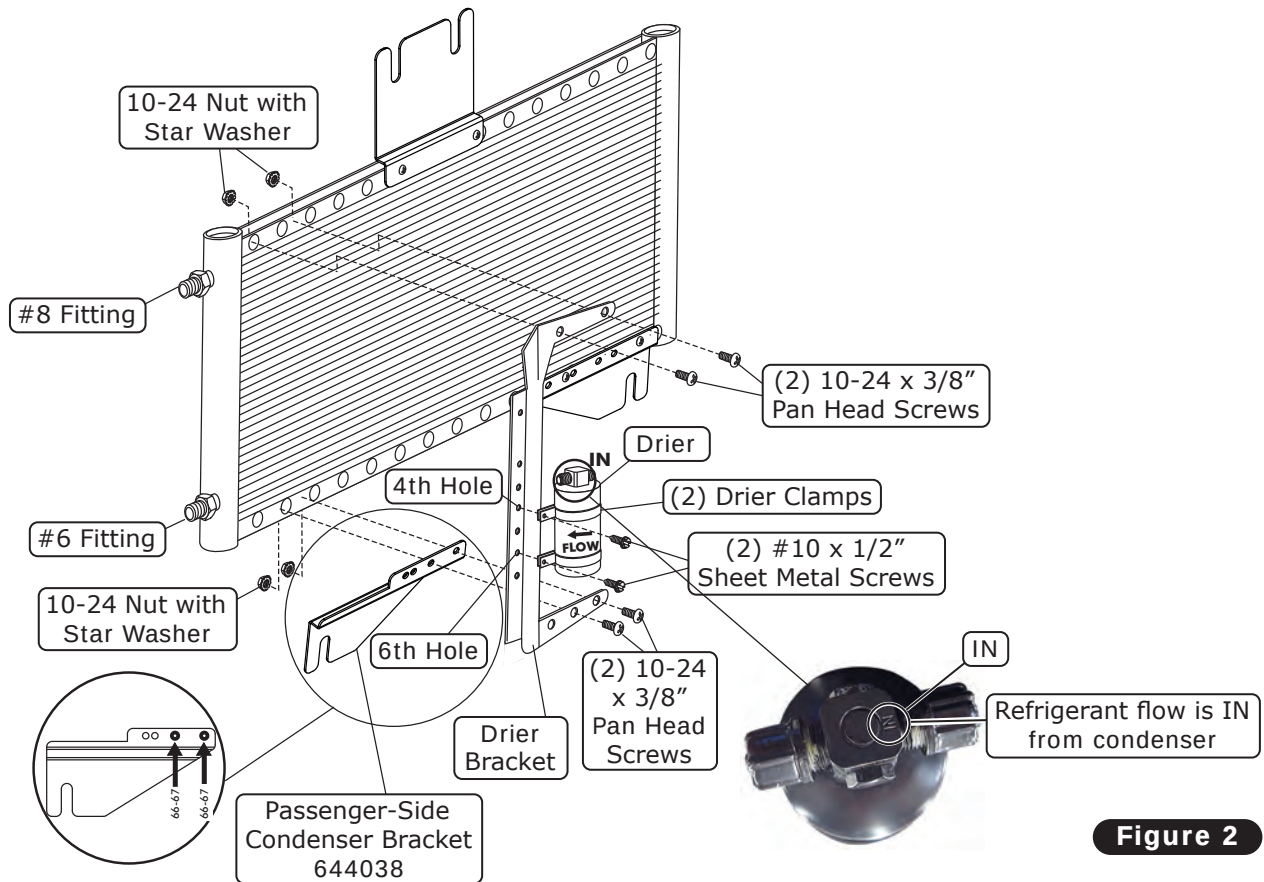
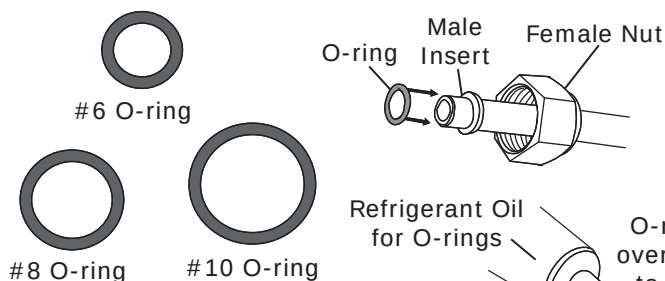
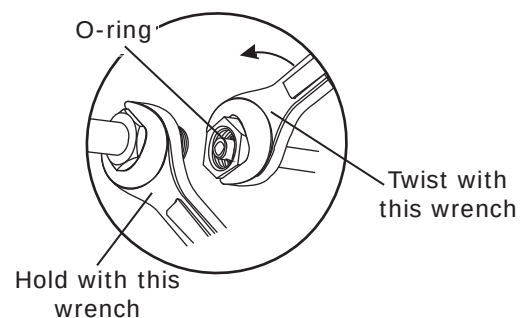


Figure 2

Lubricating O-rings



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



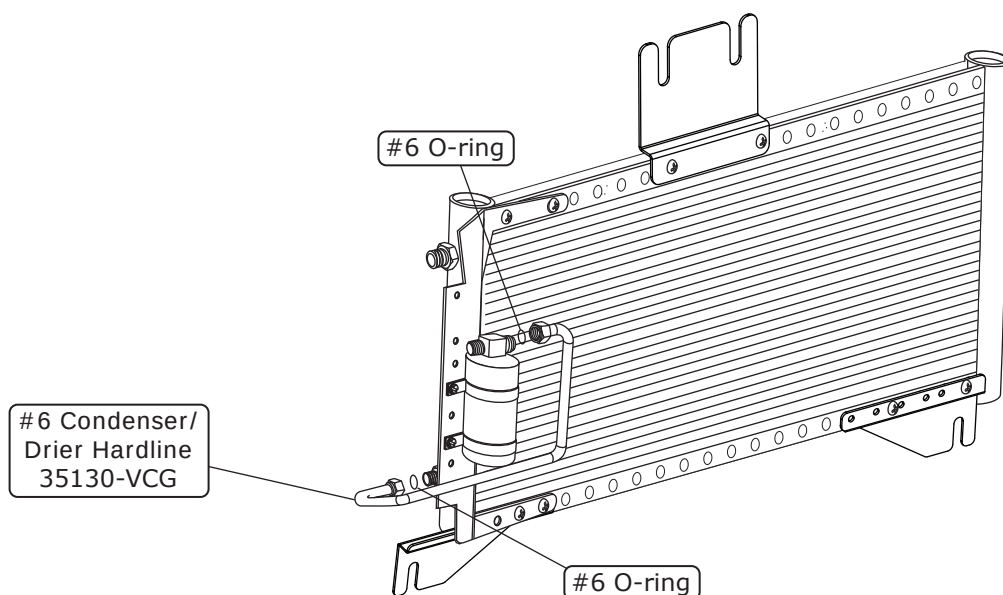


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#6 Hardline Installation

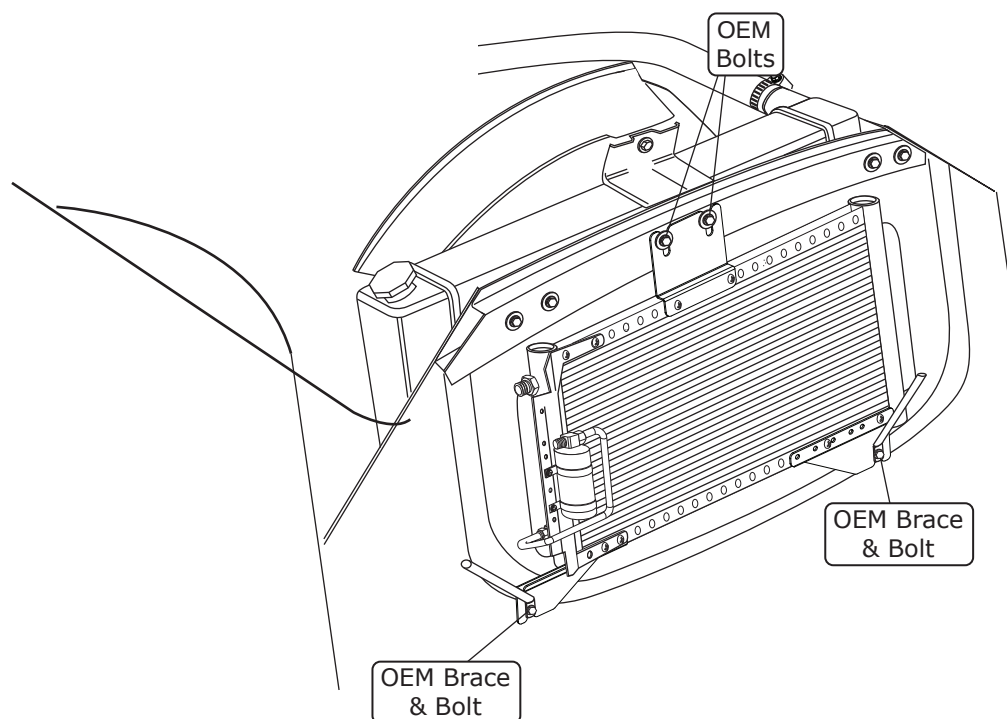
NOTE: Drier contains a desiccant that will quickly absorb moisture from the atmosphere and can lose effectiveness in less than 30 minutes. Remove caps and plugs only long enough to install safety switch and hardlines onto a sealed condenser assembly. Do not uncap again until ready to connect hoses and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

1. Lubricate (2) #6 O-rings (See Lubricating O-rings, Page 5 and Figure 1, below), and install the #6 hardline as shown in Figure 1, below.



Condenser Installation

1. Install the condenser in front of the core support as shown in Figure 1, below, using OEM bolts.





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#8 Hardline Installation

1. Install the 1 1/4" O.D. x 11/16" I.D. grommet onto the #8 hardline (See Photo 1, below).
2. Lubricate the #8 hardline O-ring (See Lubricating O-rings, Page 5), and route it through the core support (See Photo 2, below). Install the #8 hardline onto the condenser and install the 1 1/4" O.D. x 11/16" I.D. grommet into the core support (See Photo 2, below). **NOTE: Reinstall the ground cable at this time.**

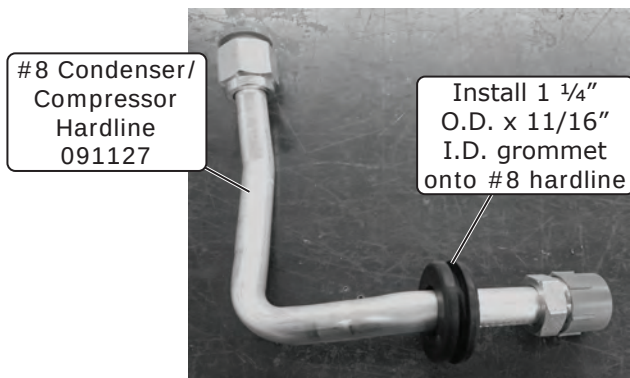


Photo 1

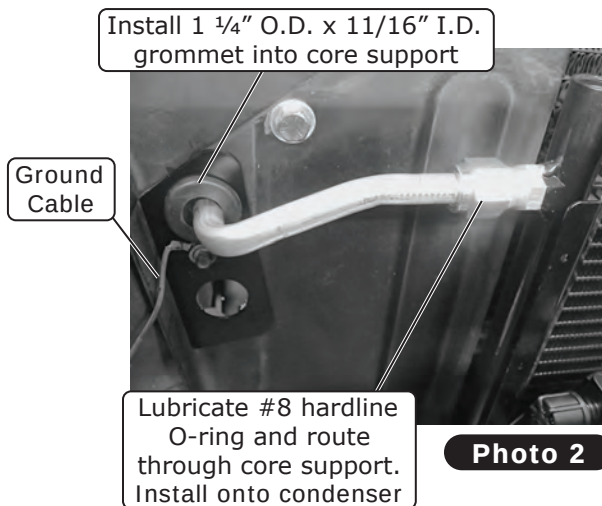


Photo 2



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Packing List: Condenser Kit (021175)

O-rings / Refrigerant Oil

	Qty		Part No	Description
	2	☐	07113-VUB	Drier Clamp
	2	☐	18247-VUB	Screw, #10 x 1/2", Sheet Metal
	8	☐	18249-VUB	Screw, 10-24 x 3/8", Pan Head
	8	☐	18260-VUB	Nut with Star Washer, 10-24
	1	☐	23135-VUW	Compressor Lead
	2	☐	33136-VUI	Grommet, 1 1/4" O.D. x 11/16" 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
	1	☐	644034	Bracket, Condenser, Top
	1	☐	644038	Bracket, Condenser, Passenger-Side
	1	☐	644039	Bracket, Condenser, Driver-Side
	1	☐	644051	Bracket, Drier
	1	☐	644216	Plate, Hardline/Hose, Core Support

Packed By: _____

Hardlines

	Qty		Part No	Description
	1	☐	091127	Hardline #8, Condenser/Compressor
	1	☐	35130-VCG	Hardline #6, Condenser/Drier

Packed By: _____

Condenser / Drier

	Qty		Part No	Description
	1	☐	03767-VUC	Condenser, 14" x 24", 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.