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Thank you for purchasing this condenser kit from Vintage Air. When installing these components as part of a complete SureFit<sup>™</sup> system, Vintage Air recommends working from front to back on the vehicle, installing the condenser kit, hose kit, and compressor first, followed by the wiring, evaporator, and finally the control panel.

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## Packing List: Condenser Kit (021168)

No.	Qty.	Part No.	Description			
1.	1	03767-VUC	Condenser, 14" x 24", Parallel Flow			
2.	2	07113-VUB	Drier Clamp			
3.	1	07321-VUC	Drier			
4.	2	18247-VUB	Screw, #10 x 1/2", Sheet Metal			
5.	12	18249-VUB	Screw, 10-24 x 3/8", Pan Head			
6.	12	18260-VUB	Nut, 10-24, with Star Washer			
7.	1	18266-VUB	Screw, #14 x 3/4", Sheet Metal			
8.	1	18611-VUB	Washer, 5/16", Flat			
9.	3	33857-VUF	O-ring, #6			
10.	2	33858-VUF	O-ring, #8			
11.	1	35368-VCG	Hardline, #6 Drier/Condenser			
12.	1	09169-FFD	Hardline, #8 Condenser			
13.	1	644074	Bracket, Top Mounting			
14.	1	644071-FCB	Bracket, Bottom Mounting			
15.	1	65998-VUB	Bracket, Drier			
16.	1	091175	Hardline, #6 Drier/Core			
17.	1	091178	Hardline, #8 Condenser/Compressor			
18.	1	11079-VUS	Binary Switch, Male			
19.	1	23127-VUW	Compressor Lead			
20.	3	31603-VUD	Adel Clamp, #4			
21.	1	31600-VUD	Adel Clamp, #2			
22.	2	33137-VUI	Grommet, Large			
23.	1	640055-PFR	Bracket, #8 Hardline			
24.	1	644171	Bracket, #6 Hardline			
** Bef	** Before beginning installation, open all packages and check contents of shipment.					

enτ. 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.





## 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. (1 lb., 12 oz.) 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 remained 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











## **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 5, below.
- Secure the drier to the drier bracket using (2) #10 x 1/2" sheet metal screws in the 4th and 6th holes from the top as shown in Figure 5, below. NOTE: Refrigerant flow through drier is IN from condenser, OUT to evaporator.













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





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3.		07321-VUC	Drier	
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5.		18249-VUB	Screw, 10-24 x 3/8", Pan Head	
6.		18260-VUB	Nut, 10-24, with Star Washer	
7.		18266-VUB	Screw, #14 x 3/4", Sheet Metal	
8.		18611-VUB	Washer, 5/16", Flat	
9.		33857-VUF	O-ring, #6	
10.		33858-VUF	O-ring, #8	
11.		35368-VCG		
12.			Hardline, #6 Drier/Condenser	
13.		09169-FFD	Hardline, #8 Condenser	
		644074	Bracket, Top Mounting	
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23.		640055-PFR	Bracket, #8 Hardline	
24.	1	644171	Bracket, #6 Hardline	
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