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Packing List: Condenser Kit (021173)

No.	Qty.	Part No.	Description
$\left(\begin{array}{c} \frac{1 \times 0}{1} \\ 1 \end{array}\right)$	1	03767-VUC	Condenser, 14" x 24" Parallel Flow
2.	1	07321-VUC	Drier
3.	10	18249-VUB	Screw, 10-24 x 3/8", Pan Head
3. 4.	10	18260-VUB	Nut with Star Washer, 10-24
4. 5.	3	18247-VUB	Screw, #10 x 1/2", Sheet Metal
	1	18266-VUB	Screw, #14 x 3/4", Sheet Metal
6.	1	18308-VUB	
7. 8.	1		Bolt, 5/16-18 x 1", Hex
8. 9.	3	18151-VUB 18290-VUB	Locknut, 5/16" Polt 1/4 20 x 1" Hox
	4		Bolt, 1/4-20 x 1", Hex
10. 11.	4	18125-VUB	Washer, 1/4", Flat
	2	18152-VUB	Nut with Star Washer, 1/4-20
12. 13.	2	33857-VUF	O-ring, #6
	۲ ۲	33858-VUF	O-ring, #8
14. 15.	1	091690	Hardline, #8 Condenser/Compressor
	1	091691 25269 VCC	Hardline, #6 Drier/Evaporator
16. 17.	1	35368-VCG 643055	Hardline, #6 Drier/Condenser
	1	643055	Bracket, Top Mounting
18.	1		Bracket, Bottom Mounting
19.	1	11079-VUS	Binary Switch, Male
20. 21.	1	23127-VUW 31603-VUD	Compressor Lead, 72"
	1		Adel Clamp, #4
22.	1	31600-VUD	Adel Clamp, #2 Bracket Hardling Support
23.	1	644172	Bracket, Hardline Support Bracket, Candenser/Drier, Dessenger, Side
24.	2	659981	Bracket, Condenser/Drier, Passenger Side
25.	2 1	18611-VUB	Washer, 5/16", Flat
26.	1	33134-VUI	Grommet, 2-Hole
27.	1	41117-VUP	Refrigerant Oil
28.		644166	Template, Core Support Hardline
* * □	Poforo boginn	ing installation or	on all packages and shock contents of chinment

** 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.





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 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 Modification

NOTE: A modification to the firewall will be necessary in order to install the #8 condenser/compressor and #6 drier/evaporator hardlines. Some core supports may already have a 1 ¾" sized hole under the battery tray. Proceed to the Mounting Bracket Installation, Page 7 if the core support has this factory hole.

Perform the Following:

1/8" Hole

- 1. Disconnect battery and remove.
- 2. Remove the (4) bolts securing the battery tray, (2) from under the passenger side fender and (2) from the core support.
- **3.** Place the template provided over the battery tray mount and temporarily install it with (2) bolts. Mark and drill pilot hole using a 1/8" drill bit (See Photo 1, below).
- 4. Remove the template from the core support.
- 5. Enlarge the pilot hole to 1 1/4" (See Photo 2, below). Clean and deburr the hole.









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Hood Latch Installation

 Reinstall the hood latch assembly using the OEM bolts. NOTE: Install the OEM bolts through the hood latch assembly, then the top mounting bracket and finally into the core support as shown in Figure 1, below.



Binary Switch 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:

Install the male binary switch onto the drier with a properly lubricated O-ring. (See Lubricating O-rings, Page 8 and Photo 1, below). NOTE: The binary switch and the drier each come with an O-ring. Only use the binary switch O-ring and discard the one that comes with the drier. Notice the location of the "IN" on the top of the drier (See Photo 2, below), and be sure the binary switch is installed on the correct side.









Hardline Installation

- 1. Properly lubricate (2) #6 O-rings, and install the #6 drier/condenser hardline onto the #6 condenser fitting and the drier (See Lubricating O-rings, Page 8 and Photo 1, below).
- 2. Tighten the 1/4-20 nut with star washer on the drier bracket clamp at this time (See Photo 1, below).
- **3.** Properly lubricate a #8 O-ring, and install the #8 condenser/compressor hardline onto the #8 condenser fitting (See Lubricating O-rings, Page 8 and Photo 2, below).
- Properly lubricate a #6 O-ring, and install the #6 drier/evaporator hardline onto the other end of the drier (See Lubricating O-rings, Page 8 and Photo 3, below).



Photo 1

Photo 2





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4.	10	18260-VUB	Nut with Star Washer, 10-24	
5.	3	18247-VUB	Screw, #10 x 1/2", Sheet Metal	
6.	1	18266-VUB	Screw, #14 x 3/4", Sheet Metal	
7.	1	18308-VUB	Bolt, 5/16-18 x 1", Hex	
8.	1	18151-VUB	Locknut, 5/16"	
9.	3	18290-VUB	Bolt, 1/4-20 x 1", Hex	
10.	4	18125-VUB	Washer, 1/4", Flat	
11.	2	18152-VUB	Nut with Star Washer, 1/4-20	
12.	2	33857-VUF	O-ring, #6	
13.	2	33858-VUF	O-ring, #8	
14.	1	091690	Hardline, #8 Condenser/Compressor	
15.	1	091691	Hardline, #6 Drier/Evaporator	
16.	1	35368-VCG	Hardline, #6 Drier/Condenser	
17.	1	643055	Bracket, Top Mounting	
18.	1	643056	Bracket, Bottom Mounting	
19.	1	11079-VUS	Binary Switch, Male	
20.	1	23127-VUW	Compressor Lead, 72"	
21.	1	31603-VUD	Adel Clamp, #4	
22.	1	31600-VUD	Adel Clamp, #2	
23.	1	644172	Bracket, Hardline Support	
24.	1	659981	Bracket, Condenser/Drier, Passenger Side	
25.	2	18611-VUB	Washer, 5/16", Flat	
26.	1	33134-VUI	Grommet, 2-Hole	
27.	1	41117-VUP	Refrigerant Oil	
28.	1	644166	Template, Core Support Hardline	
			Checked By: Packed By:	



