

1967-69 Chevrolet Camaro/ 1967-68 Pontiac Firebird

ondenser Kit *with* Drier (021190)



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1967-68 Camaro/Firebird Condenser Kit Installation

 wing Air inc wi A detailed tech video outlining the installation process is available on Vintage Air's YouTube channel at <u>http://bit.ly/2LVX1pX.</u>

Viewing the tech video along with the written instructions will provide the installer the most detailed installation procedure.



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Packing List: Condenser Kit (021190)

ww	w.vintageair	r.com	CONDENSER KIL (021190)					
No.	Qty.	Part No.	Description					
1.	1	03766-VUC	Condenser, 14" x 22" Parallel Flow					
2.	1	07321-VUC	Drier					
3.	1	18148-VUB	Nut, 5/16"					
4.	1	18152-VUB	Nut with Star Washer, 1/4-20					
5.	10	18249-VUB	Screw, 10-24 x 3/8", Pan Head					
6.	10	18260-VUB	Nut with Star Washer, 10-24					
7.	1	18610-VUB	Lock Washer, 5/16"					
8.	2	18611-VUB	Washer, 5/16" Flat					
9.	1	18310-VUB	Bolt, 5/16-18 x 1 1⁄2"					
10.	2	18977-VUB	U-nut, 5/16"					
11.	3	33857-VUF	O-ring, #6					
12.	1	33858-VUF	O-ring, #8					
13.	1	35367-VCG	Hardline, #8 Condenser/Core					
14.	1	35368-VCG	Hardline, #6 Condenser/Drier					
15.	1	640685	Bracket, Hardline Support					
16.	1	64268-VCB	Bracket, Condenser, Top					
17.	1	64368-VCB	Bracket, Condenser, Bottom Right					
18.	1	64468-VCB	Bracket, Condenser, Bottom Left					
19.	1	659981	Bracket, Drier					
20.	1	090173	Hardline, #6 Drier/Fenderwell					
21.	1	11079-VUS	Binary Switch, Male					
22.	1	23127-VUW	Compressor Lead					
23.	1	186011	Washer, .625" OD X .281" ID					
24.	1	18258-VUB	Screw, 10-32 x 3/4", Pan Head					
25.	1	31603-VUD	Adel Clamp, #4					
26.	1	31600-VUD	Adel Clamp, #2					
27.	1	18251-VUB	Nut with Star Washer, 10-32					
** 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.								
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Refer to packing list for actual parts and quantities.

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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 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.











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5/16-18 x 1 ½″

Hex Bolt with

Flat Washer





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Hardline Support Bracket Installation

- **1.** Install a #4 Adel clamp onto the #8 condenser/core hardline, and a #2 Adel clamp onto the #6 drier/ fenderwell hardline (See Photos 1 & 2, below).
- 2. Install the hardline support bracket onto the core support using the OEM radiator bolt (See Photo 3, below). NOTE: Do not fully tighten at this time.
- **3.** Using a 10-32 x 3/4" pan head screw and a 10-32 nut with star washer, secure both Adel clamps onto the hardline support bracket (See Photos 4 & 5, below). **NOTE: Tighten the OEM radiator bolt at this time. This concludes the condenser kit portion of your installation.**







Photo 3



Photo 4



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26.	1	31600-VUD	Adel Clamp, #2	
27.	1	18251-VUB	Nut with Star Washer, 10-32	
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			Packed By:	
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NOTE: Images may not depict actual parts and quantities. Refer to packing list for actual parts and quantities. 13 19

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