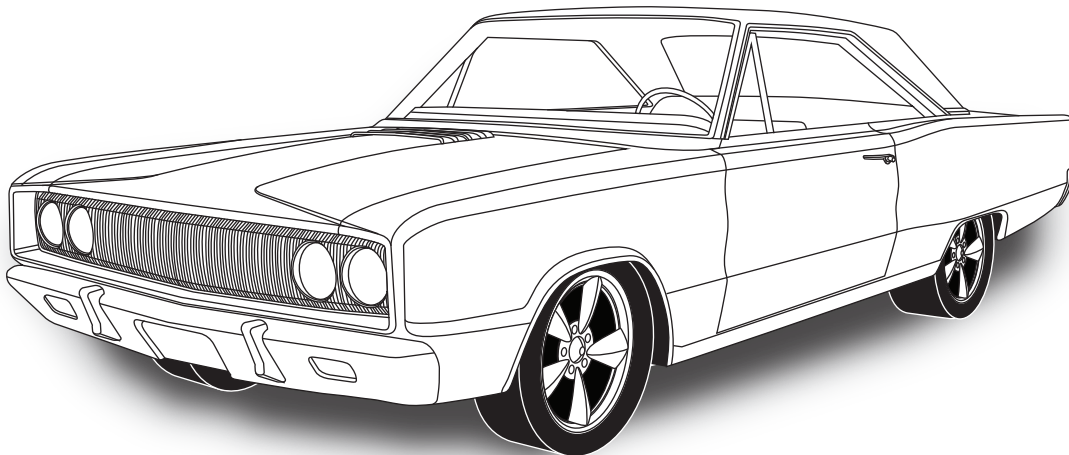




an ISO 9001:2008 Registered Company

1966-67
Dodge Charger, Coronet
Condenser Kit *with* Drier
051063



18865 Goll St. San Antonio, TX 78266
Phone: 210-654-7171
Fax: 210-654-3113
www.vintageair.com



www.vintageair.com

Table of Contents

Thank you for purchasing this condenser kit from Vintage Air. When installing these components as part of a complete SureFit™ 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.

Cover.....	1
Table of Contents.....	2
Packing List/Parts Disclaimer.....	3
Core Support Measurements.....	4
Engine Compartment Disassembly, Mounting Bracket Installation.....	5
Drier Installation, Lubricating O-rings.....	6
Hardline Installation, Binary Switch Installation.....	7
Condenser Installation.....	8
Hardline Installation (Cont.), Final Steps.....	9
Packing List.....	10

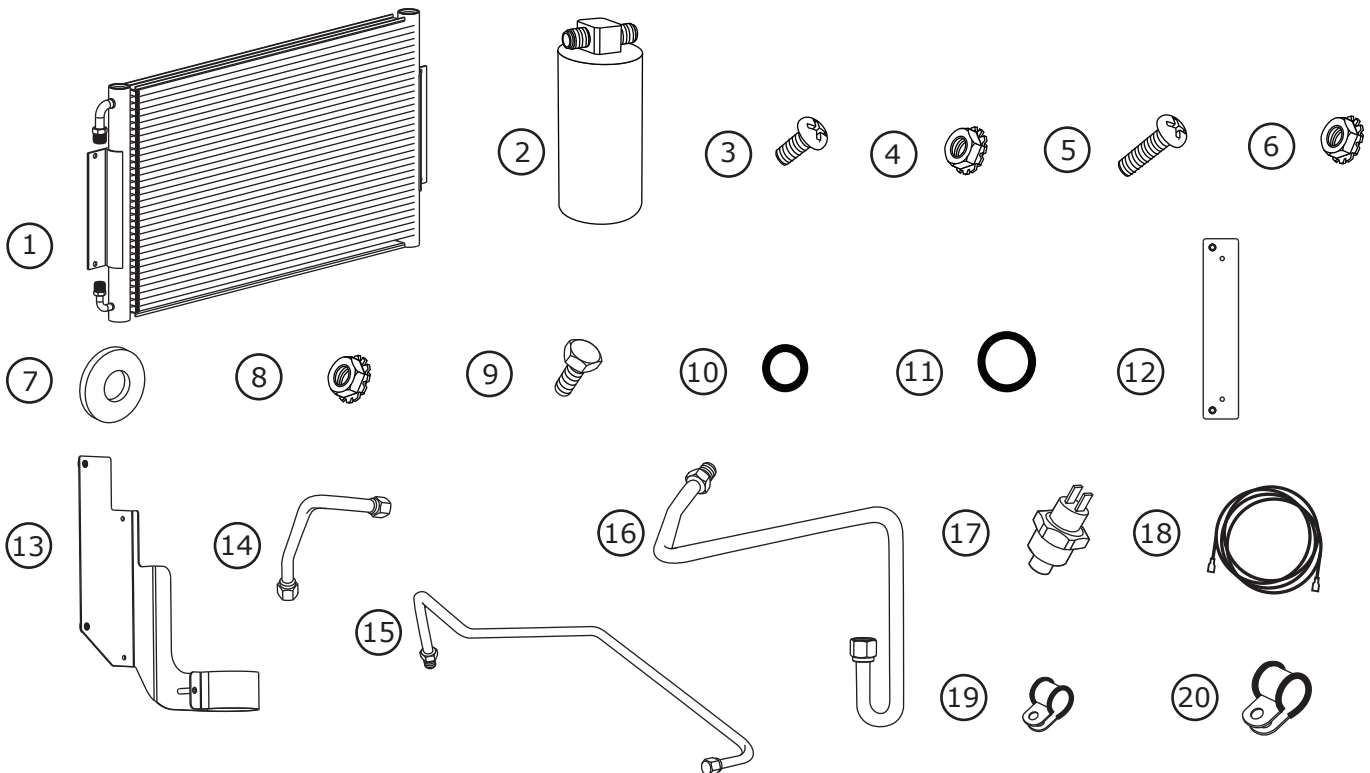


www.vintageair.com

Packing List: Condenser Kit with Drier (051063)

No.	Qty.	Part No.	Description
1.	1	037035	Condenser, 14" x 25" Parallel Flow
2.	1	07321-VUC	Drier
3.	4	18249-VUB	Screw, 10-24 x 3/8" Pan Head
4.	4	18260-VUB	Nut with Star Washer, 10-24
5.	1	18258-VUB	Screw, 10-32 x 3/4"
6.	1	18251-VUB	Nut, 10-32
7.	5	18125-VUB	Washer, .250 ID x .750 OD, Flat
8.	1	18152-VUB	Hex Nut with Star Washer, 1/4-20
9.	4	18287-VUB	Hex Bolt, 1/4-20 x 1/2"
10.	3	33857-VUF	O-ring, #6
11.	1	33858-VUF	O-ring, #8
12.	1	644123	Bracket Assembly, Driver Side Condenser
13.	1	644124	Bracket Assembly, Passenger Side Condenser with Drier
14.	1	101016	Hardline, #6 Condenser/Drier
15.	1	101017	Hardline, #6 Drier/Core
16.	1	101018	Hardline, #8 Condenser
17.	1	11079-VUS	Switch, Male Binary
18.	1	23135-VUW	Compressor Lead
19.	1	31600-VUD	Adel Clamp, #2
20.	1	31603-VUD	Adel Clamp, #4

**** 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.**



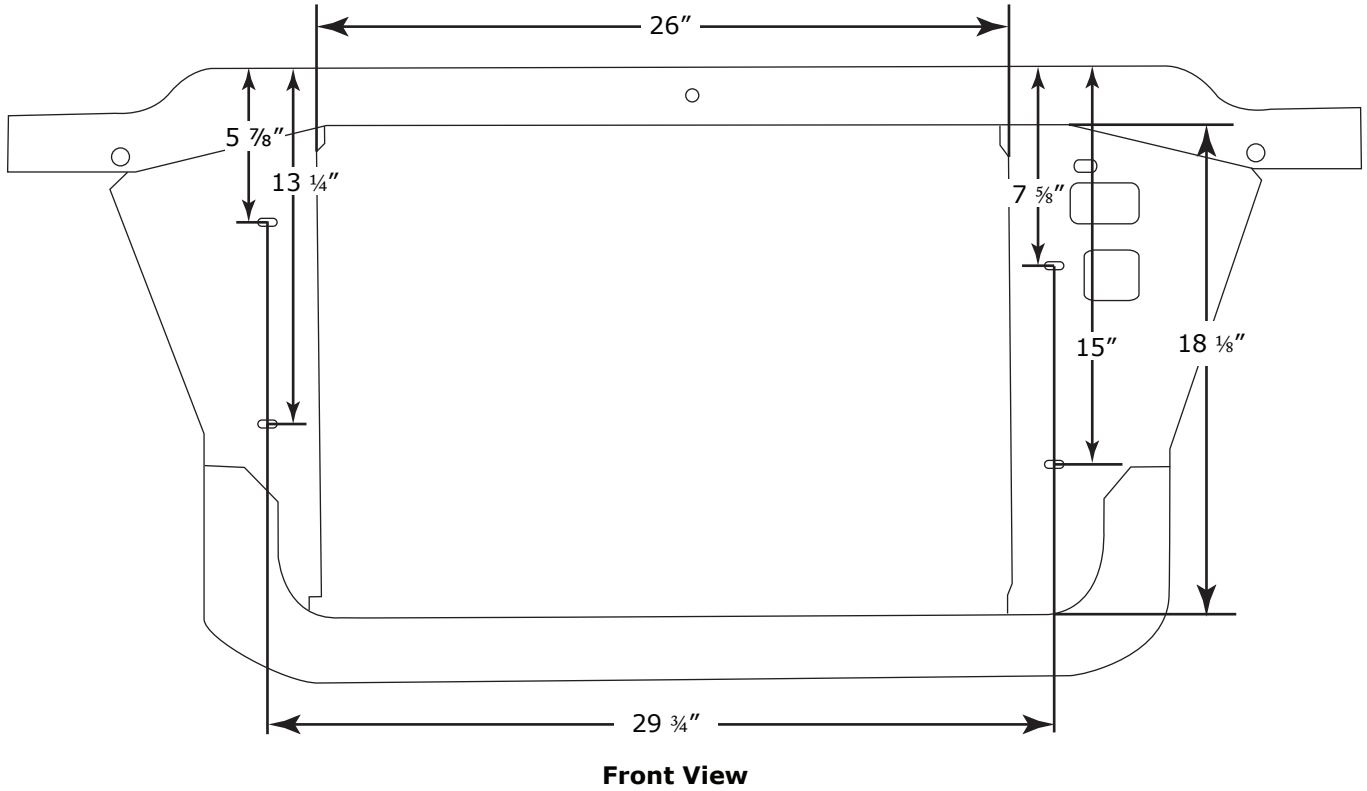
**NOTE: Images may not depict actual parts and quantities.
Refer to packing list for actual parts and quantities.**



www.vintageair.com

Measurements: 1966-67 Dodge Charger Core Support

This kit was developed based on the measurements below, which were taken from a 1966 Dodge Charger core support.





www.vintageair.com

Engine Compartment Disassembly

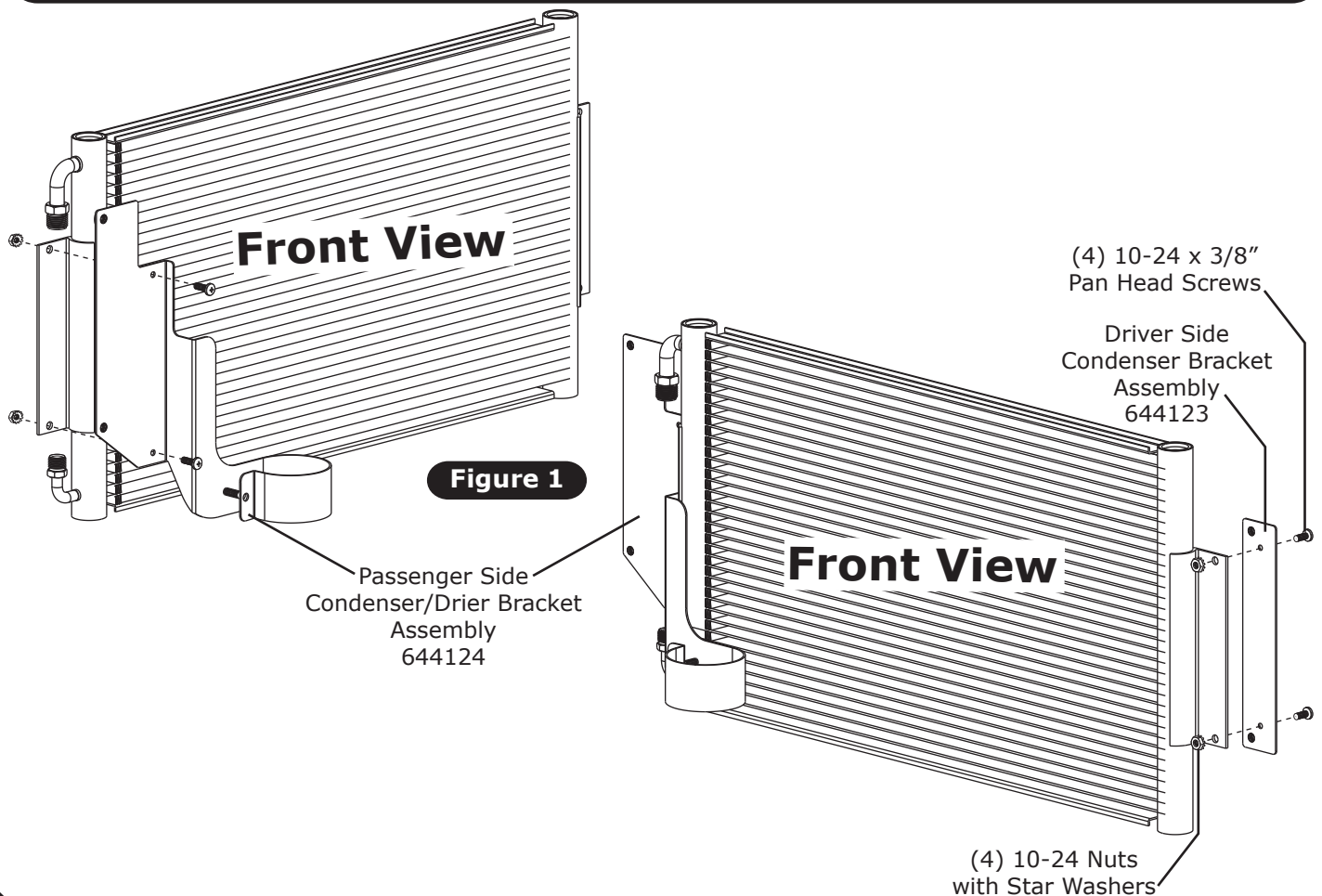
NOTE: Before starting the installation, check the function of the vehicle (horn, lights, etc.) for proper operation, and study the instructions, illustrations, & diagrams.

Perform the Following:

1. Disconnect battery.
2. Drain radiator.
3. Remove OEM fan and fan shroud (retain).
4. Remove radiator (retain).
5. Disconnect hood release cable. Remove (13) bolts from the upper grille support plate and (1) from the hood latch assembly vertical brace (retain). Remove the upper grille support plate/hood latch assembly (retain). This allows easier access for removal of the OEM A/C condenser and hardlines.
6. If vehicle is equipped with factory air, remove OEM condenser and hardlines/hoses (discard).
7. Verify that your core support dimensions match the dimensions provided on Page 4.

Mounting Bracket Installation

1. Install condenser mounting brackets onto condenser using (4) 10-24 x 3/8" pan head screws and (4) 10-24 nuts with star washers as shown in Figure 1, below. **NOTE: (A) The passenger side condenser/drier mounting bracket assembly attaches to the front of the condenser, with the screws going from front to back through the bracket, then through the mounting tab on the condenser, and into the hex nuts with star washers as shown in Figure 1, below. (B) The driver side condenser mounting bracket is attached to the back of the condenser, with the screws going from back to front through the bracket, then through the mounting tab on the condenser, and into the hex nuts with star washers as shown in Figure 1, below.**



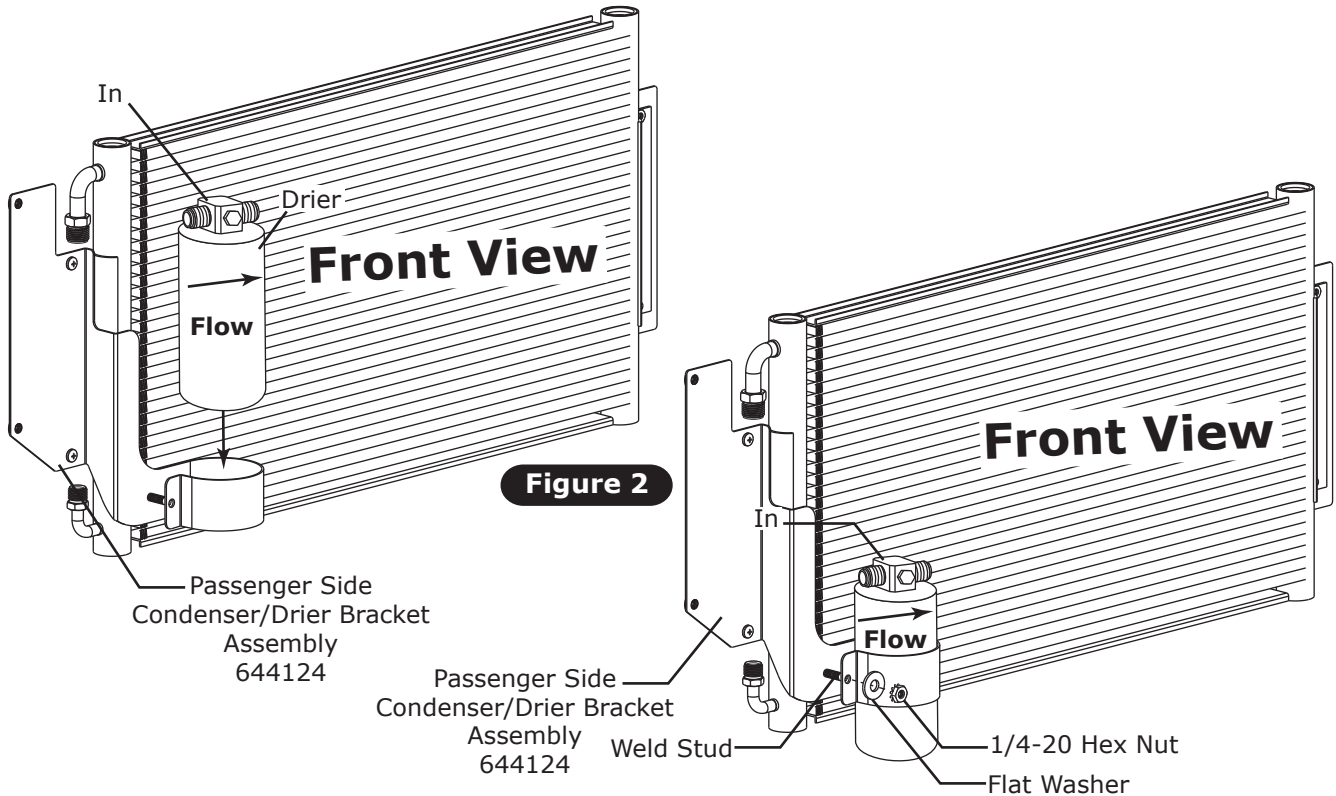


www.vintageair.com

Drier Installation

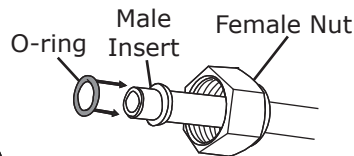
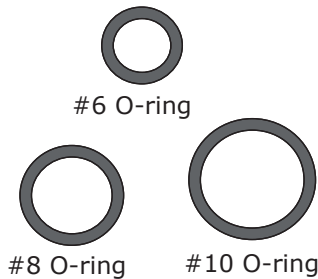
Perform the Following:

1. Install the drier into the passenger side condenser/drier bracket assembly. **NOTE: Be sure the "IN" connection is pointed toward the passenger side as shown in Figure 2, below.**
2. Push the drier clamp over the 1/4-20 weld stud. Place a 1/4" flat washer and 1/4-20 hex nut onto the weld stud. Hand tighten the nut until the clamp is snug on the drier. **NOTE: Refrigerant flow through the drier is IN from condenser, OUT to evaporator.**



Lubricating O-rings

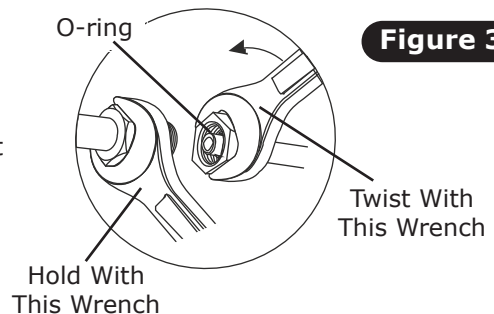
For a proper seal of fittings: Install supplied O-rings as shown, and lubricate with supplied oil.



Supplied Oil for O-rings

O-ring Installs Over Male Insert to Swaged Lip

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

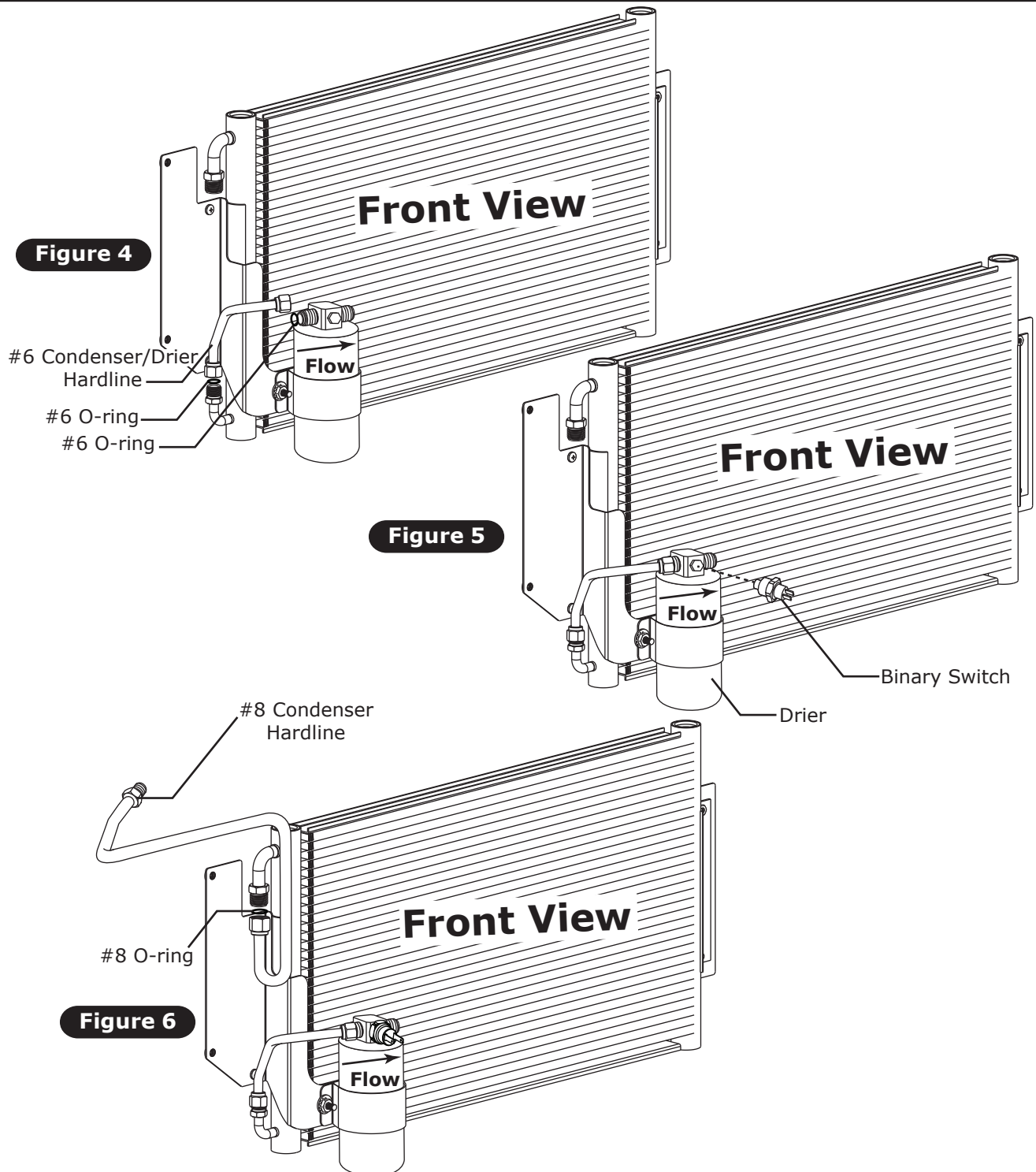




www.vintageair.com

Hardline & Binary Switch Installation

1. Lubricate (2) #6 O-rings as shown in Figure 3, Page 6, and install onto #6 condenser/drier hardline. Start the lower nut onto the condenser, and align the drier fitting with the #6 condenser/drier hardline nut. Tighten fittings as shown in Figure 3, Page 6. Finish tightening the 1/4-20 nut on the drier clamp.
2. Install binary switch onto drier as shown in Figure 5, below.
3. Lubricate a #8 O-ring as shown in Figure 3, Page 6, and install on the #8 condenser hardline with the 180° bend. Thread the #8 condenser hardline nut onto the condenser. Hand tighten until snug. Move the hardline to where it runs parallel to the condenser/core support.





www.vintageair.com

Condenser Installation

1. Install the condenser assembly in front of the core support as shown in Figure 7, below. **NOTE: In order to clear the electric headlight motors when lowering the condenser into the vehicle, the following steps are required:**
 - A. With the #8 hardline in place, tilt the condenser assembly, and gently feed the drier end down in front of the core support, allowing the drier to clear the passenger side electric headlight motor.
 - B. When the drier is below the passenger side electric headlight motor, gently lower the driver side of the condenser assembly down in front of the core support. Align the condenser bracket bolt holes with the OEM slots in the core support.
 - C. From the engine side, secure the condenser to the core support using (4) 1/4-20 x 1/2" hex bolts and (4) 1/4-20 flat washers. With the #8 hardline in its proper location, use a short tubing wrench to tighten the #8 fitting at the condenser as shown in Figure 3, Page 6.

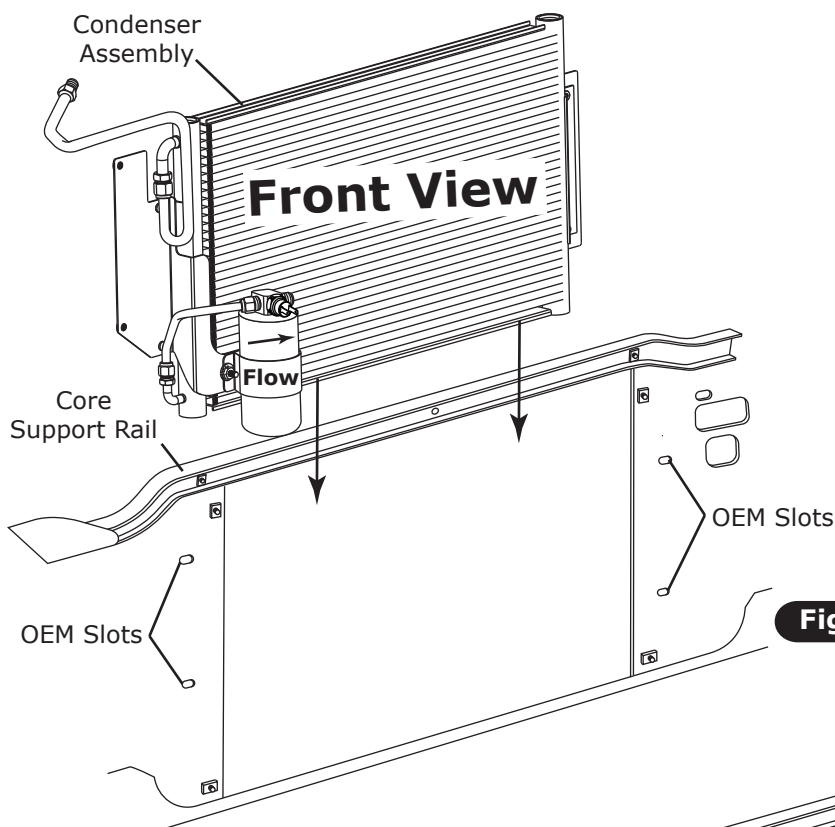


Figure 7

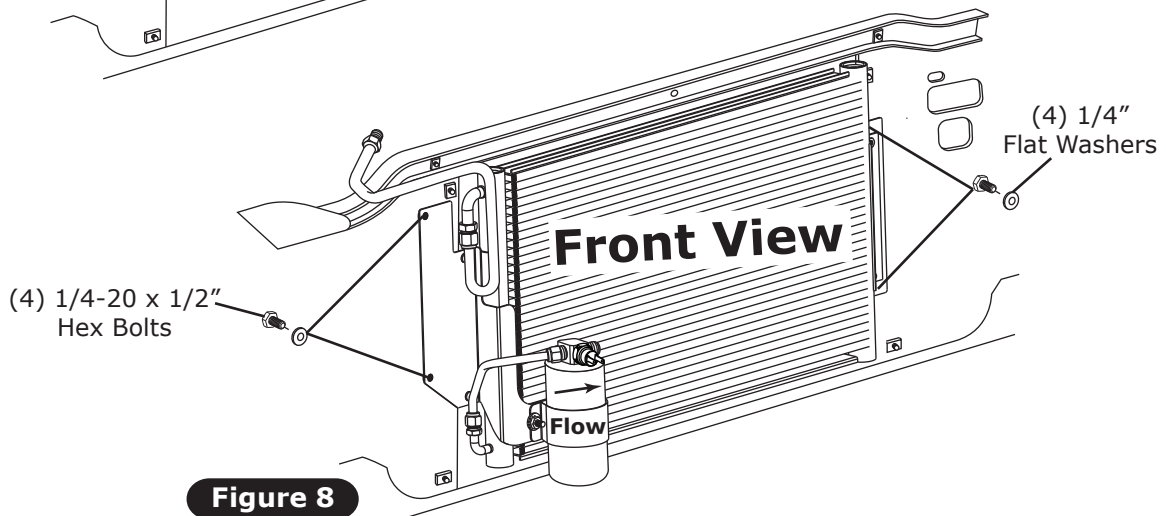


Figure 8



www.vintageair.com

Hardline Installation (Cont.) & Final Steps

1. Lubricate a #6 O-ring as shown in Figure 3, Page 6. Install the #6 drier/core hardline as shown in Figure 9, below. Tighten fittings as shown in Figure 3, Page 6.
2. Locate the OEM hole along top of the core support between the #6 and #8 hardlines. Enlarge the hole to 3/16", being careful not to damage the hardlines. **NOTE: The core supports on some non-factory air vehicles may not have the OEM hole described above. In this case, measure 3/4" to the right of the lip on the core angle brace (See Figure 10, below), and drill a 3/16" hole in the center of the core support top between the (2) hardlines. When drilling, be careful not to damage the hardlines.**
3. Install a #2 Adel clamp on the #6 drier/core hardline, and a #4 Adel clamp on the #8 condenser hardline. Use a 10-32 x 3/4" pan head screw and a 10-32 nut with star washer to secure the hardlines together to the core support as shown in Figure 10, below.
4. With the hardlines installed and secured, reinstall and/or reconnect all items removed or disconnected in Steps 1-5 of the Engine Compartment Disassembly instructions on Page 5. This concludes the condenser kit portion of your installation.

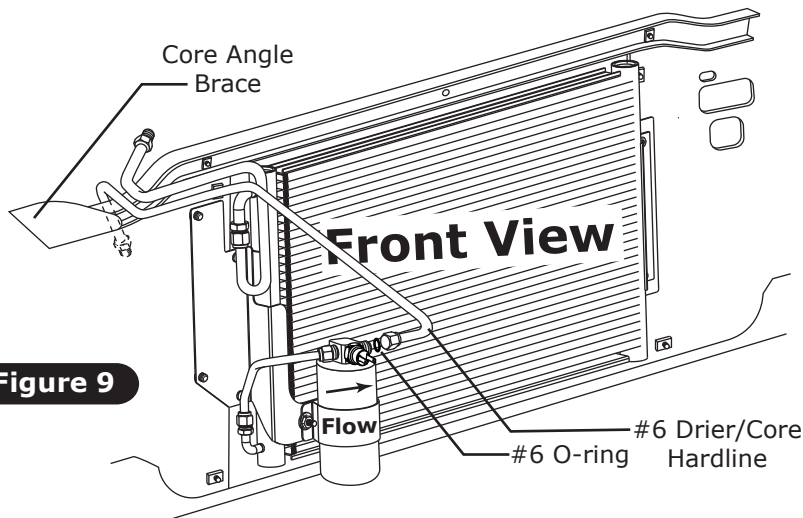


Figure 9

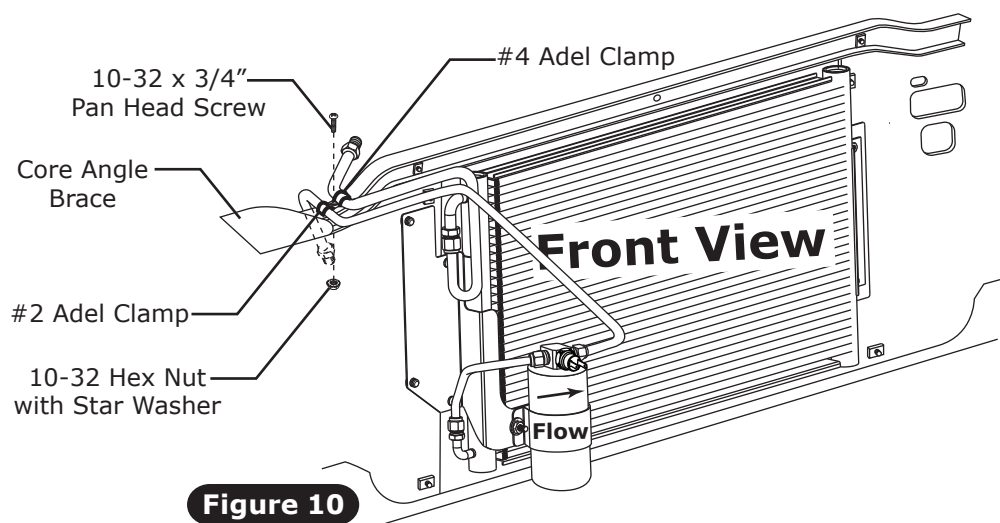


Figure 10



www.vintageair.com

Packing List: Condenser Kit with Drier (051063)

No.	Qty.	Part No.	Description
1.	1	037035	Condenser, 14" x 25" Parallel Flow
2.	1	07321-VUC	Drier
3.	4	18249-VUB	Screw, 10-24 x 3/8" Pan Head
4.	4	18260-VUB	Nut with Star Washer, 10-24
5.	1	18258-VUB	Screw, 10-32 x 3/4"
6.	1	18251-VUB	Nut, 10-32
7.	5	18125-VUB	Washer, .250 ID x .750 OD, Flat
8.	1	18152-VUB	Hex Nut with Star Washer, 1/4-20
9.	4	18287-VUB	Hex Bolt, 1/4-20 x 1/2"
10.	3	33857-VUF	O-ring, #6
11.	1	33858-VUF	O-ring, #8
12.	1	644123	Bracket Assembly, Driver Side Condenser
13.	1	644124	Bracket Assembly, Passenger Side Condenser with Drier
14.	1	101016	Hardline, #6 Condenser/Drier
15.	1	101017	Hardline, #6 Drier/Core
16.	1	101018	Hardline, #8 Condenser
17.	1	11079-VUS	Switch, Male Binary
18.	1	23135-VUW	Compressor Lead
19.	1	31600-VUD	Adel Clamp, #2
20.	1	31603-VUD	Adel Clamp, #4

Checked By: _____
Packed By: _____
Date: _____

