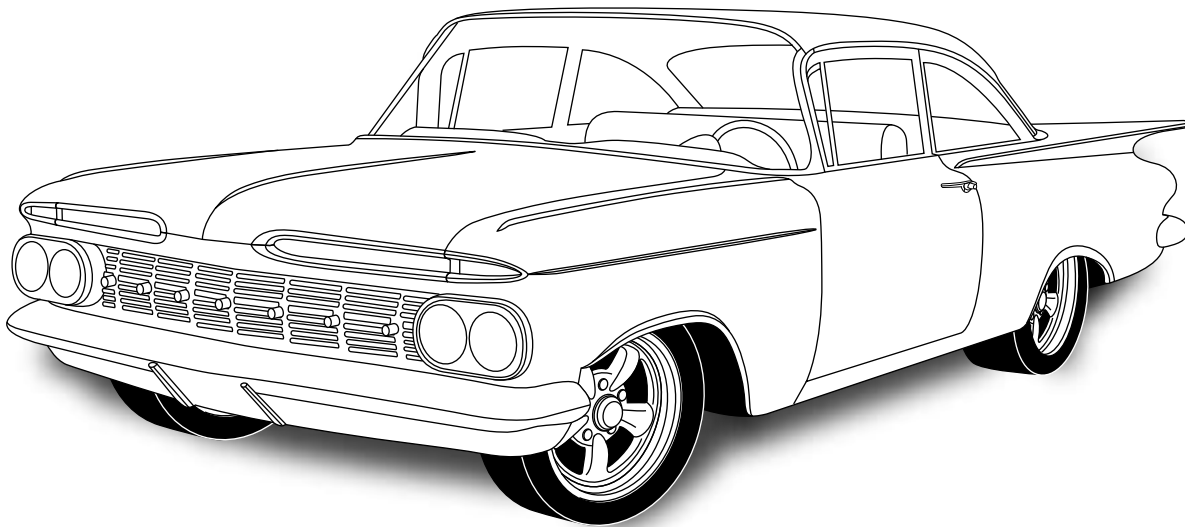




an ISO 9001:2008 Registered Company

1959-60 Chevrolet Full Size/El Camino

Condenser Kit *with* Drier
021155



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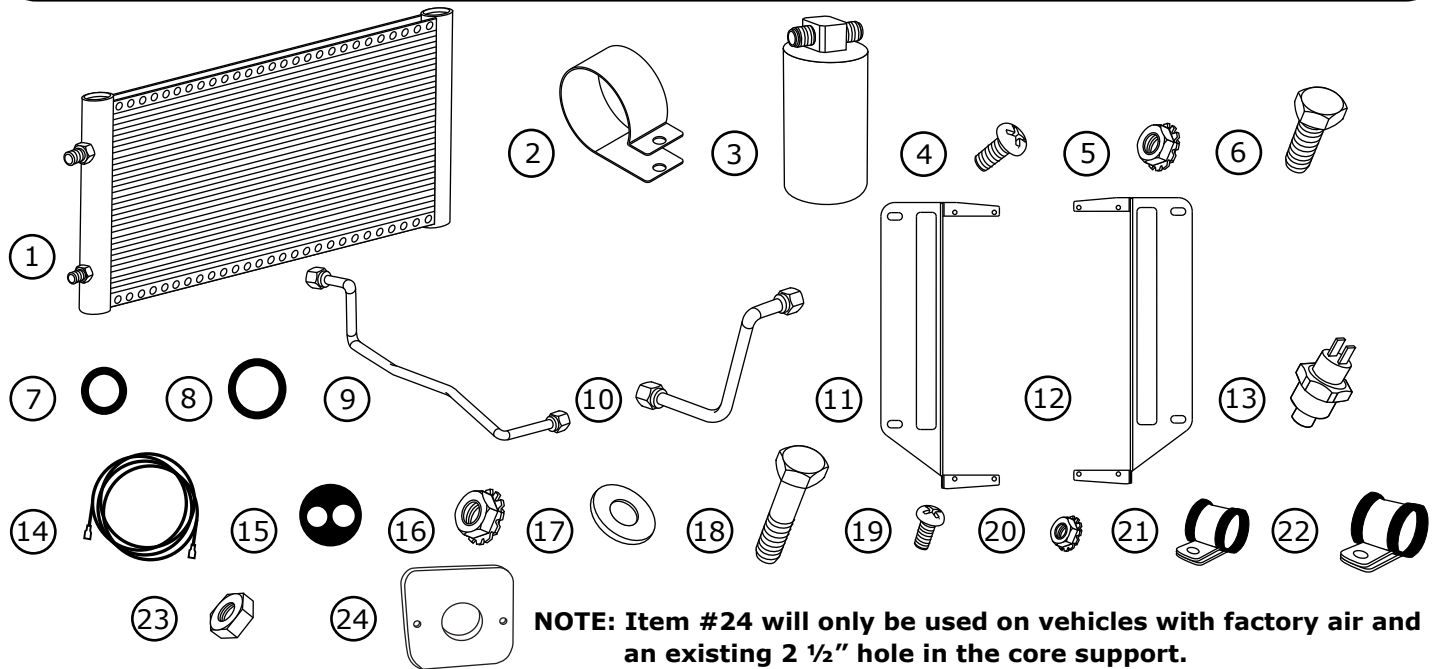


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Packing List: Condenser Kit with Drier (021155) 1959-60 Chevrolet Full-Size/El Camino

No.	Qty.	Part No.	Description
1.	1	03767-VUC	Parallel Flow Condenser 14" x 24"
2.	1	65980-VCB	Bracket, Standard Drier
3.	1	07321-VUC	Drier
4.	8	18249-VUB	Screw, 10-24 x 3/8" Pan Head
5.	8	18260-VUB	Nut with Star Washer, 10-24
6.	1	18290-VUB	Bolt, 1/4-20 x 1", Hex
7.	2	33857-VUF	O-ring, #6
8.	1	33858-VUF	O-ring, #8
9.	1	091183	Hardline, #6 Condenser/Drier
10.	1	091184	Hardline, #8 Condenser/Compressor
11.	1	643092	Bracket, Driver Side Condenser
12.	1	643093	Bracket, Passenger Side Condenser
13.	1	11079-VUS	Binary Switch, Male
14.	1	23135-VUW	Compressor Lead
15.	1	33134-VUI	Grommet, 2-hole, 3/8" x 1/2"
16.	1	18152-VUB	Hex Nut with Star Washer, 1/4-20
17.	4	18125-VUB	Washer, .250 ID x .750 OD, Flat
18.	1	18605-VUB	Bolt, 5/16-18 x 3/4", Hex
19.	3	18250-VUB	Screw, 10-32 x 1/2" Pan Head
20.	3	18251-VUB	Nut, 10-32
21.	1	31600-VUD	Adel Clamp, #2
22.	1	31603-VUD	Adel Clamp, #4
23.	1	18148-VUB	Hex Nut, 5/16-18
24.	1	623050	Hardline Cover, Plastic

**** 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: Item #24 will only be used on vehicles with factory air and an existing 2 1/2" hole in the core support.

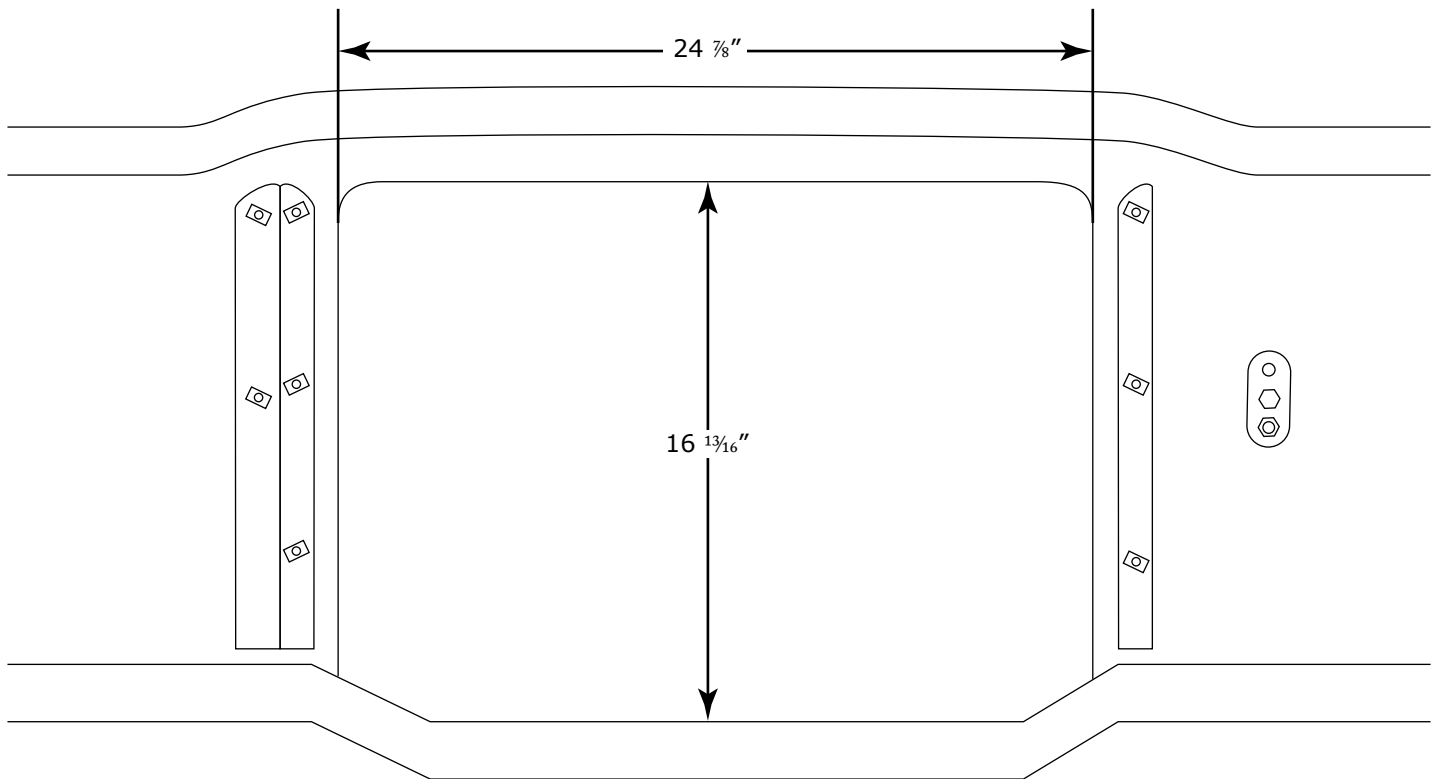
NOTE: Images may not depict actual parts and quantities. Refer to packing list for actual parts and quantities.



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Core Support Measurements: 1959-60 Chevrolet Full-Size/El Camino

This kit was developed based on the measurements below, which were taken from a 1959 Chevrolet core support.





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Engine Compartment Disassembly

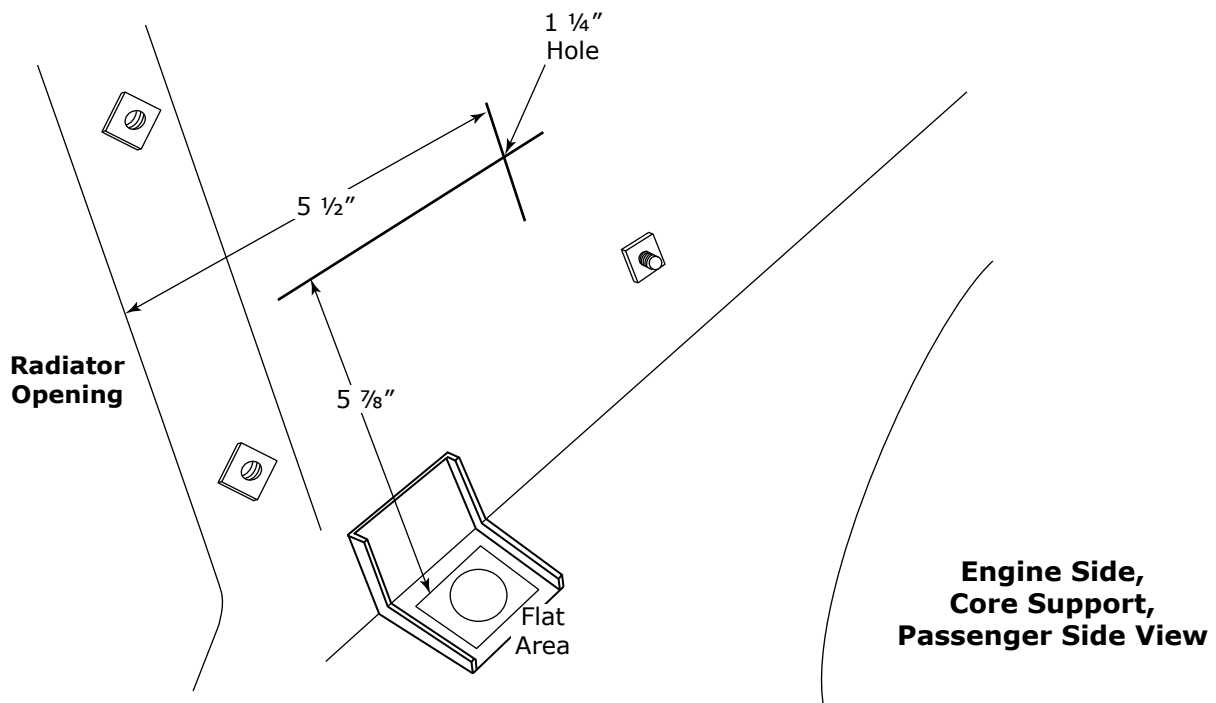
NOTE: Before starting the installation, check the function of the vehicle (horn, lights, etc.) for proper operation, and study the instructions, illustrations, & diagrams.

Perform the Following:

1. Remove battery and battery tray (retain).
2. Drain radiator.
3. Remove OEM fan and fan shroud (retain).
4. Remove hood latch assembly (retain).
5. Remove radiator (retain).
6. Remove passenger side horn (retain).
7. Optional step: Remove grille (retain). **NOTE:** With the grille removed, it will be easier to access the core support for drilling and hardline passage.

Core Support Modification

1. Using the measurements below, drill a pilot hole, and then a 1 1/4" hole in the core support below the battery box. Deburr the hole and paint the bare metal. **NOTE:** On some factory air-equipped vehicles, a 2 1/2" hole will already exist in this location. In this case, the hardlines will pass through the existing hole, and it will not be necessary to drill a new hole.





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Passenger Side Horn Relocation

1. Relocate the passenger side horn.

- A. Mark and drill a 5/16" hole approximately 2 1/2" toward the passenger side from the center of the OEM threaded horn bracket hole, and 3/4" forward from the back edge of the upper grille support (See Figure 1, below).
- B. Mark and drill a 3/16" locating hole, 1/2" toward the driver side from the center of the newly drilled 5/16" hole (See Figure 1, below).
- C. Using a 5/16" x 3/4" hex bolt and 5/16" hex nut, secure the horn bracket to the grille support through the newly drilled 5/16" hole. Make sure the locating pin on the bracket is seated in the 3/16" locating hole, allowing the horn bracket to sit flush against the grille support (See photos below).
- D. Thread the OEM bolt into the OEM threaded horn bracket hole.

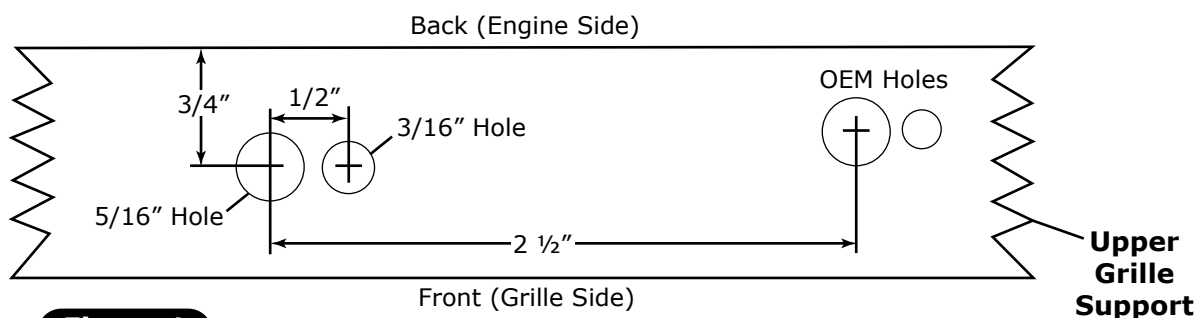
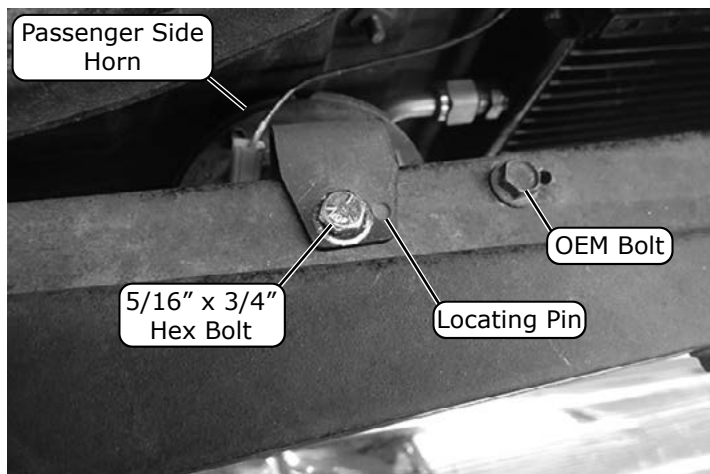
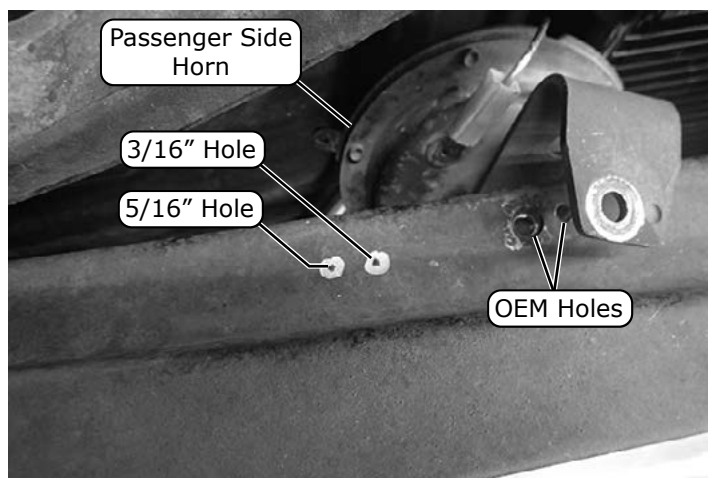


Figure 1

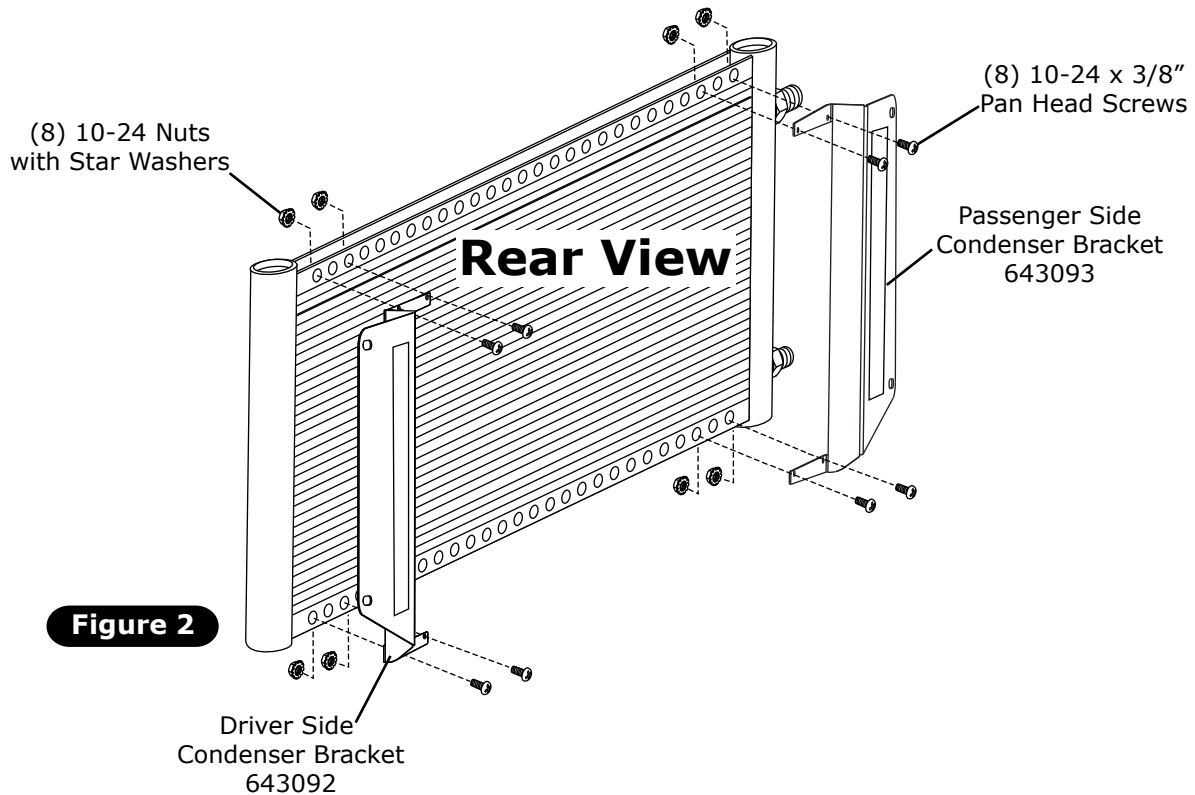




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Mounting Bracket Installation

1. Install condenser mounting brackets onto condenser using (8) 10-24 x 3/8" pan head screws and (8) 10-24 nuts with star washers as shown in Figure 2, below. **NOTE: Driver side condenser bracket mounts on the 1st and 3rd holes from the left. Passenger side condenser bracket mounts on the 1st and 3rd holes from the right as shown in Figure 2, below.**

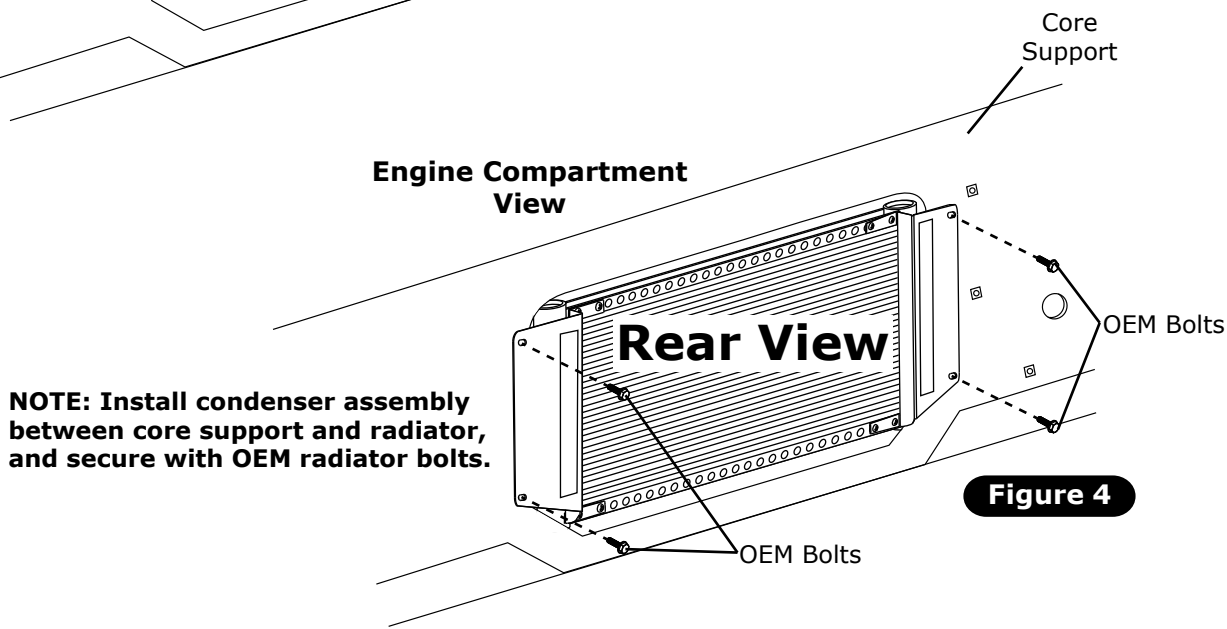
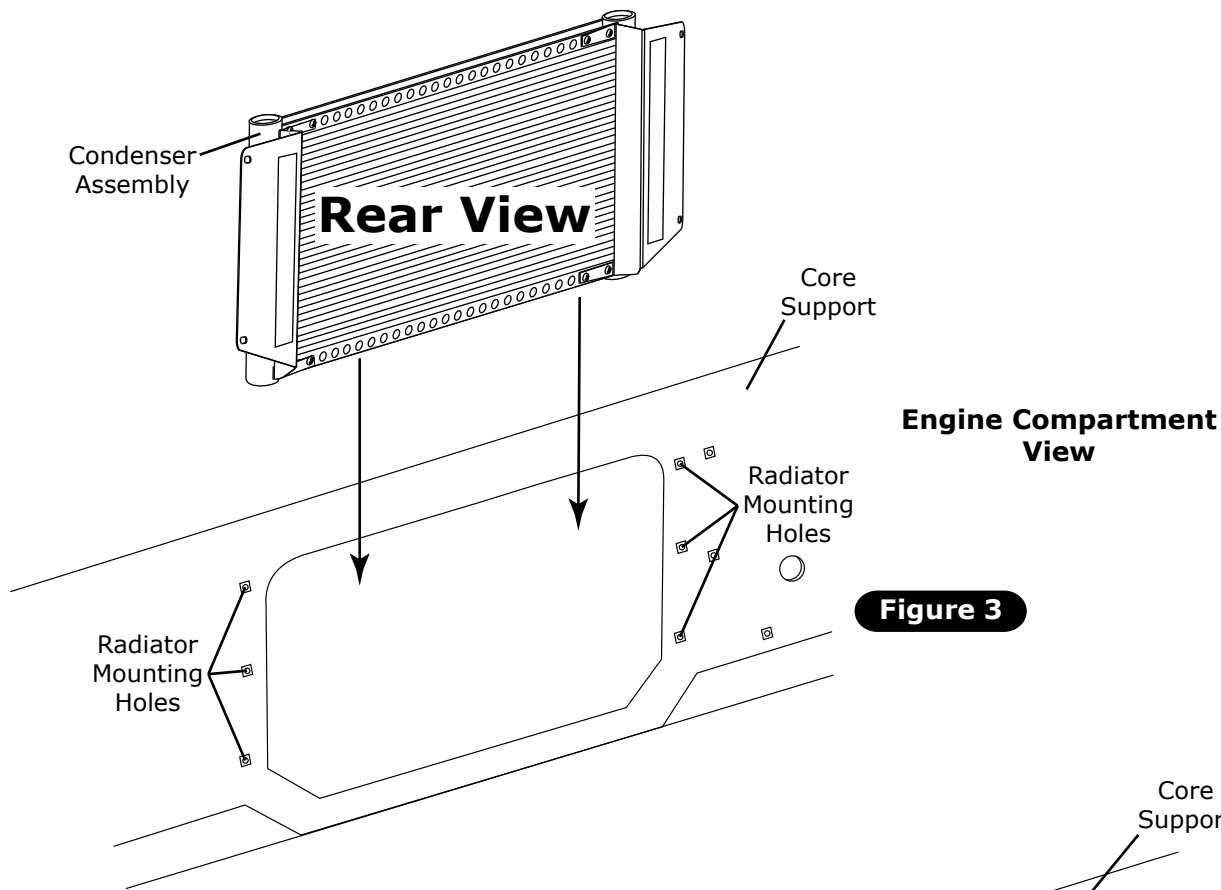




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Condenser Installation

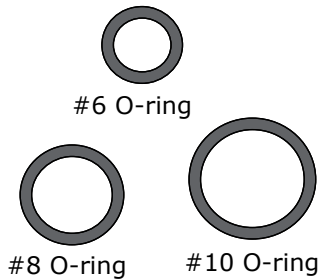
1. Install condenser from behind core support as shown in Figure 4, below.
2. Condenser is placed between core support and radiator, and secured with OEM radiator bolts through radiator mounting holes. **NOTE: Only (4) OEM bolts will be reused.**



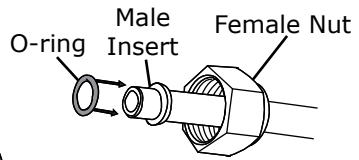


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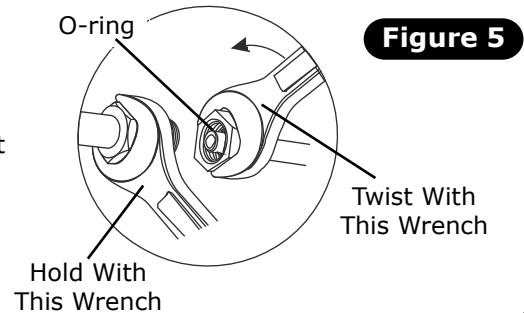
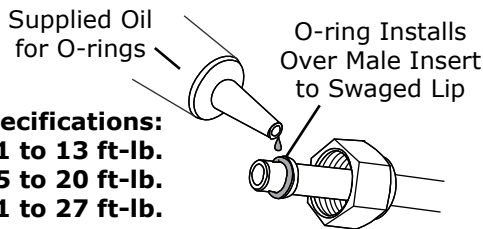
Lubricating O-rings



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



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



Hardline Installation

1. Lubricate a #6 and a #8 O-ring as shown in Figure 5, above. Install the #6 condenser/drier hardline and the #8 condenser/compressor hardline onto the condenser as shown in Figure 6, below. Tighten fittings as shown in Figure 5, above.
2. For vehicles with a newly drilled 1 1/4" hole in the core support, install a 2-hole grommet around the hardlines, and insert the grommet into the 1 1/4" hole (See Figure 6, below). Skip to Step 5, below.
3. For factory-air vehicles with an existing 2 1/2" hole in the core support, install the hardline cover over the hardlines from the engine side, and place the cover flush against the core support (See top photo, Page 10). Center the hardline cover around the hardlines.
4. Using the cover as a template, scribe and drill (2) 13/64" holes through the core support (See top photo, Page 10). With (2) 10-32 x 1/2" pan head screws and (2) 10-32 nuts with star washers, secure the hardline cover to the core support. Install a 2-hole grommet around the hardlines, and insert the grommet into the 1 1/4" hole in the hardline cover.
5. On the engine side of the core support, install a #2 Adel clamp on the #6 hardline, and a #4 Adel clamp on the #8 hardline. To keep the hardlines rigid and separated, locate the #4 Adel clamp close to the tubing nut on the #8 hardline. Secure the (2) Adel clamps together with a 10-32 x 3/4" pan head screw and 10-32 hex nut with star washer (See bottom photo, Page 10).

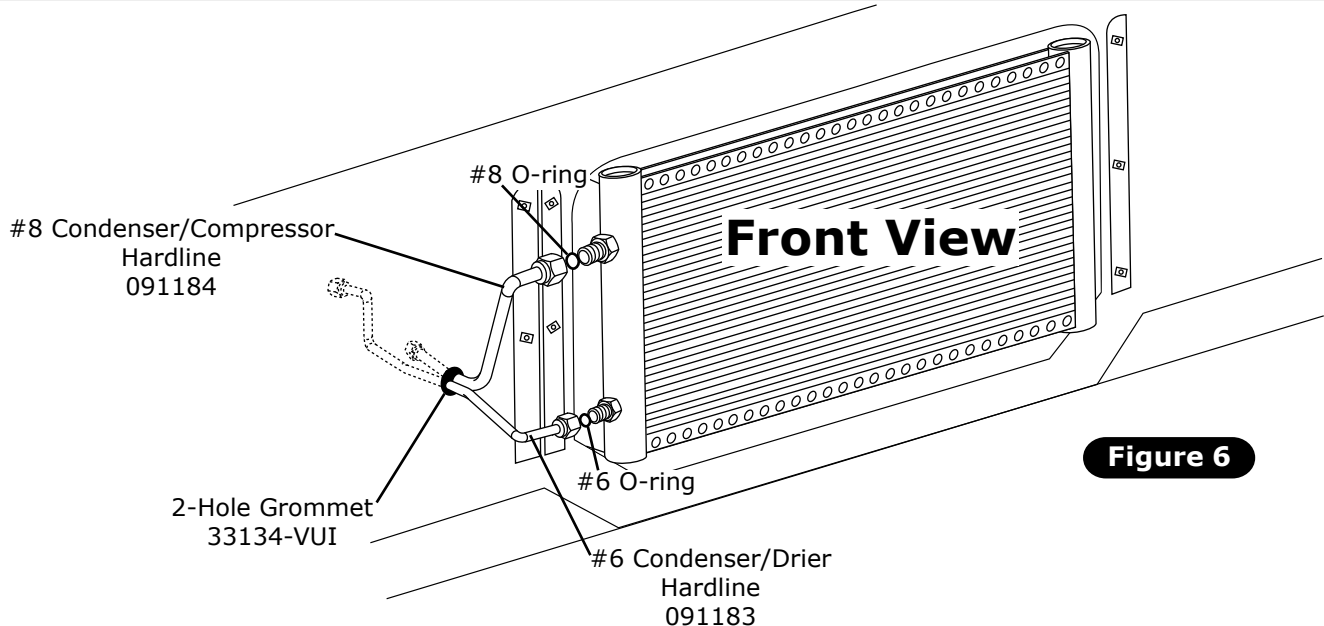
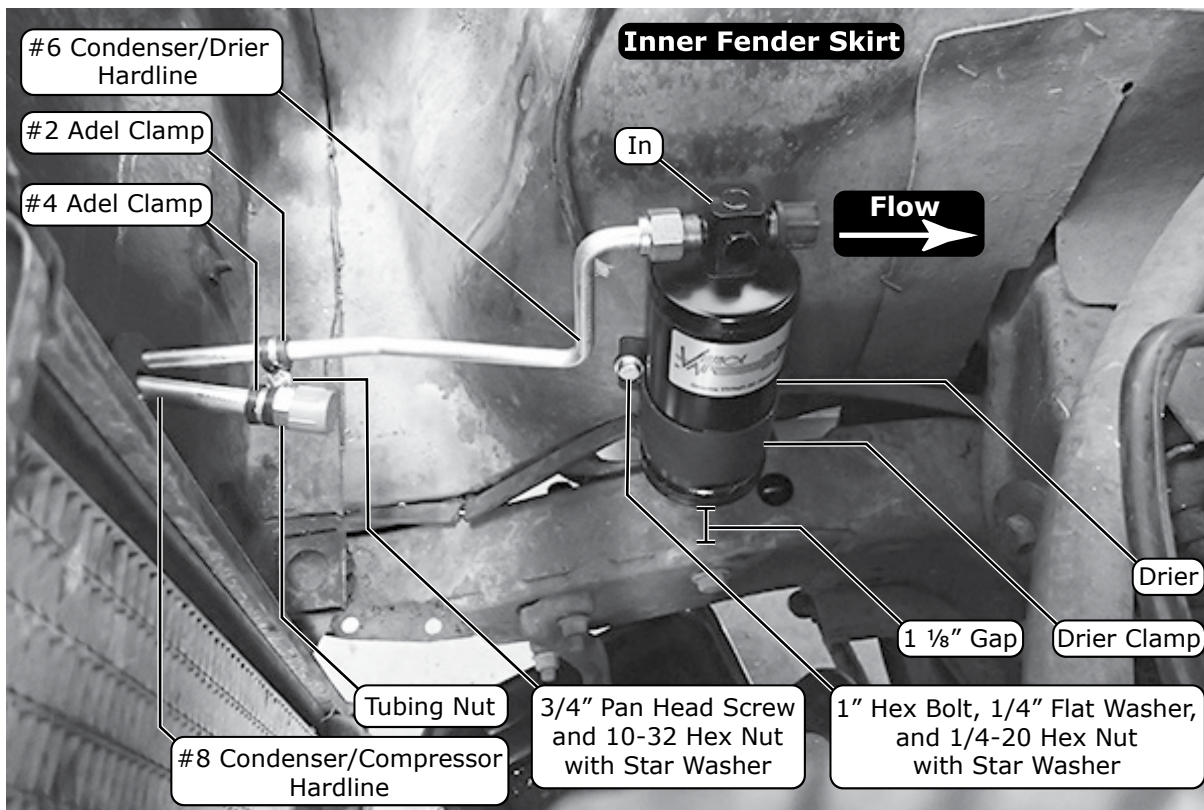
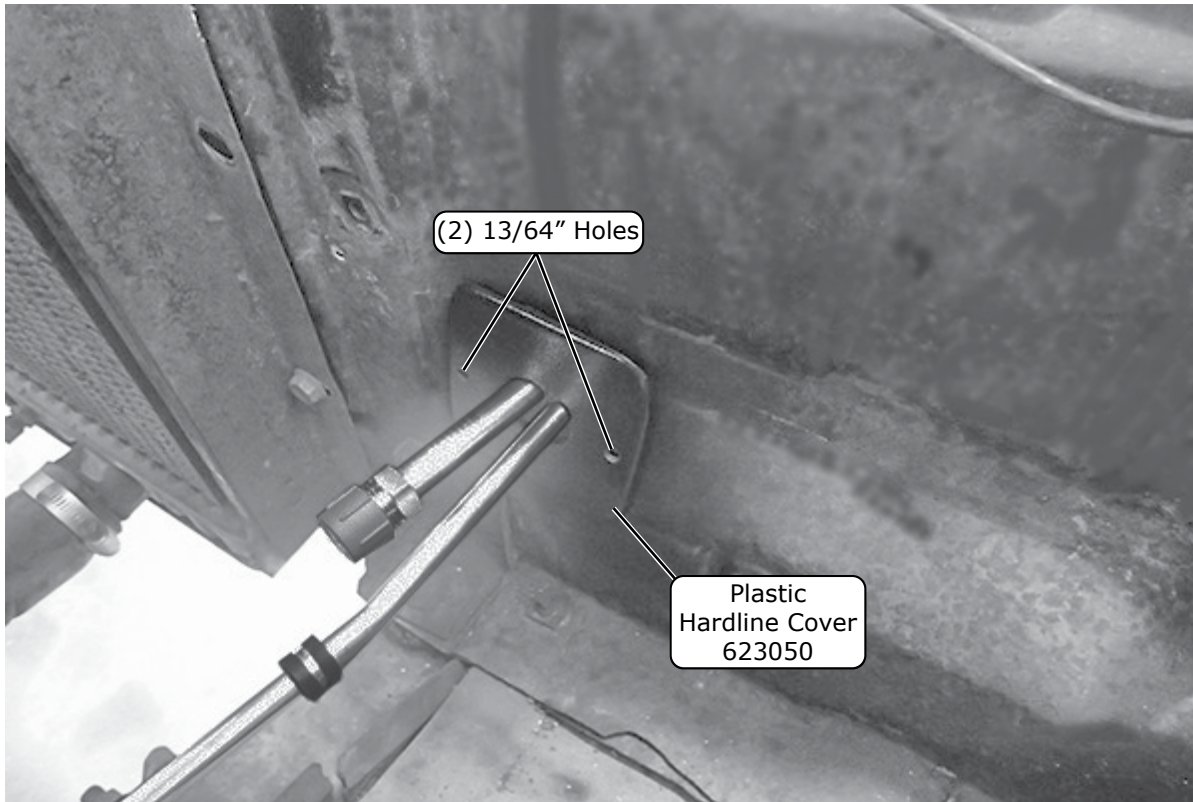


Figure 6



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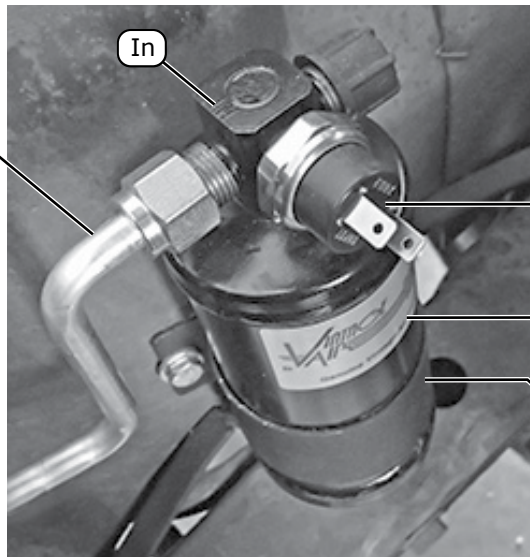


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Drier & Binary Switch Installation

1. Install the drier clamp onto the drier.
2. Lubricate a #6 O-ring as shown in Figure 5, Page 9. Connect the #6 condenser/drier hardline to the inlet side of the drier as shown in bottom photo, Page 10. Tighten fitting as shown in Figure 5, Page 9. Place drier/clamp assembly against inner fender skirt. Mark and drill a 1/4" hole. With the mounting hole on the inlet side of the drier, attach drier/clamp assembly to fender skirt using a 1/4-20 x 1" hex bolt, a 1/4" flat washer and a 1/4-20 hex nut with star washer as shown in bottom photo, Page 10. **NOTE: Refrigerant flow through drier is IN from condenser, OUT to evaporator.**
3. Install binary switch onto drier as shown below.

#6 Condenser/Drier Hardline



Binary Switch

Drier

Drier Clamp



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3.	1	07321-VUC	Drier
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5.	8	18260-VUB	Nut with Star Washer, 10-24
6.	1	18290-VUB	Bolt, 1/4-20 x 1", Hex
7.	2	33857-VUF	O-ring, #6
8.	1	33858-VUF	O-ring, #8
9.	1	091183	Hardline, #6 Condenser/Drier
10.	1	091184	Hardline, #8 Condenser/Compressor
11.	1	643092	Bracket, Driver Side Condenser
12.	1	643093	Bracket, Passenger Side Condenser
13.	1	11079-VUS	Binary Switch, Male
14.	1	23135-VUW	Compressor Lead
15.	1	33134-VUI	Grommet, 2-hole, 3/8" x 1/2"
16.	1	18152-VUB	Hex Nut with Star Washer, 1/4-20
17.	4	18125-VUB	Washer, .250 ID x .750 OD, Flat
18.	1	18605-VUB	Bolt, 5/16-18 x 3/4", Hex
19.	3	18250-VUB	Screw, 10-32 x 1/2" Pan Head
20.	3	18251-VUB	Nut, 10-32
21.	1	31600-VUD	Adel Clamp, #2
22.	1	31603-VUD	Adel Clamp, #4
23.	1	18148-VUB	Hex Nut, 5/16-18
24.	1	623050	Hardline Cover, Plastic

Checked By: _____
Packed By: _____
Date: _____

