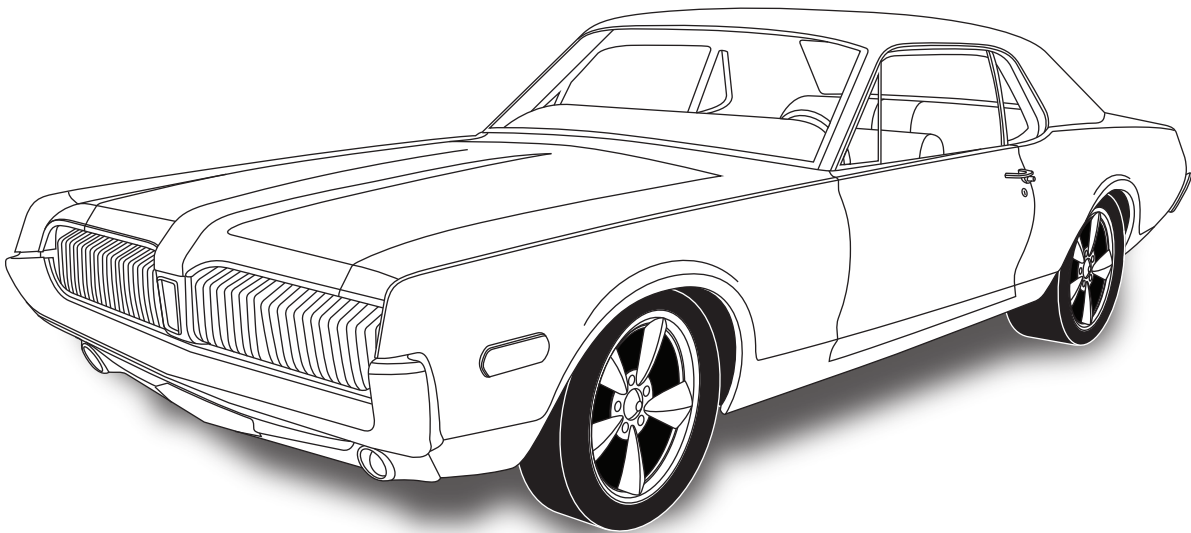




an ISO 9001:2008 Registered Company

1967-68 Mercury Cougar

Condenser Kit *with* Drier
(011067)



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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, Drier Bracket Installation.....	5
Condenser Mounting Bracket Installation, Drier Installation.....	6
Lubricating O-rings, Hardline Installation.....	7
Condenser Assembly.....	8
Core Support Modification.....	9
Condenser Assembly and Fan Shroud Installation.....	10
Hardline Installation (Cont.), Binary Switch Installation and Final Steps.....	11
Core Support Modification Template.....	12
Packing List.....	13

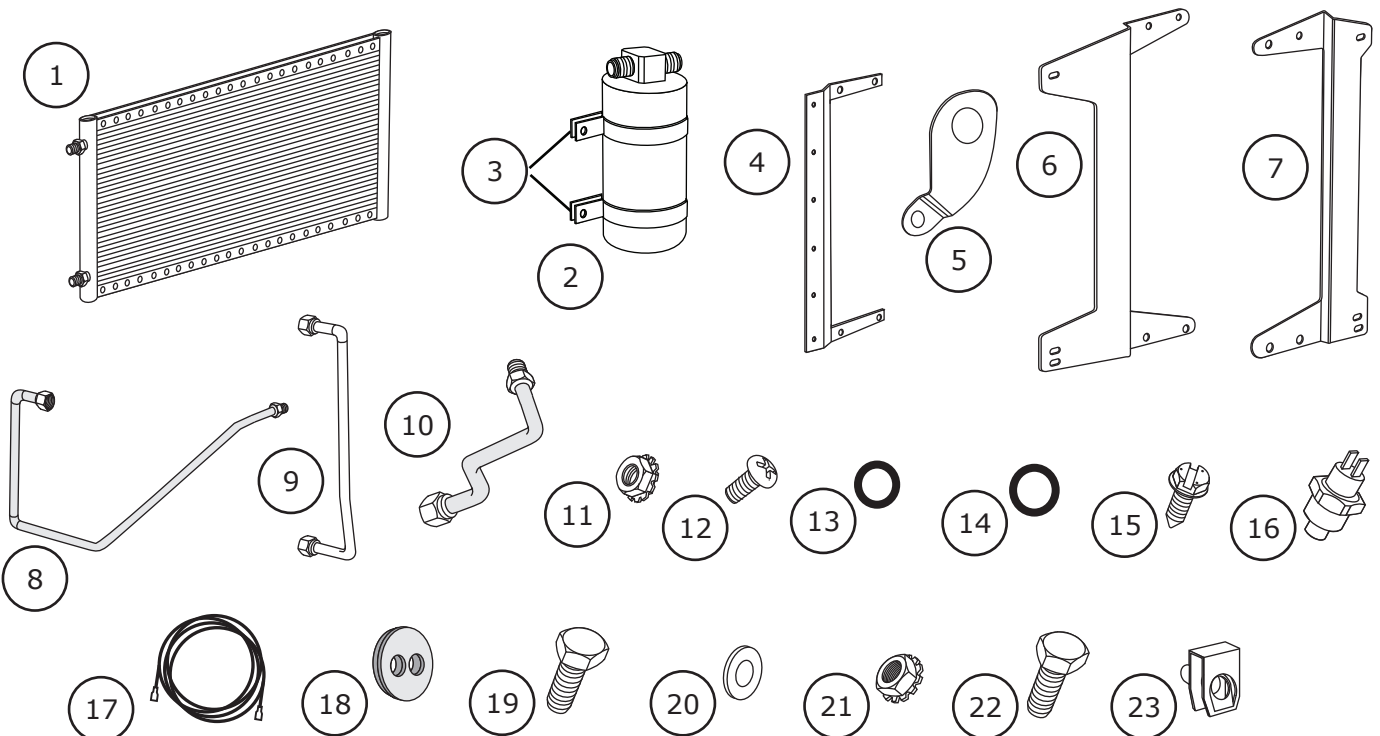


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Packing List: Condenser Kit (011067) 1967-68 Mercury Cougar

No.	Qty.	Part No.	Description
1.	1	03765-VUC	Condenser, 14" x 20", Parallel Flow
2.	1	07321-VUC	Drier
3.	2	07113-VUB	Drier Clamp
4.	1	65998-VUB	Bracket, Universal Drier, 14 3/4"
5.	1	642073	Bracket, Hardline Support
6.	1	642070	Bracket, Condenser, Driver Side
7.	1	642069	Bracket, Condenser, Passenger Side
8.	1	081085	Hardline, #6 Drier/Core
9.	1	08164-PFL	Hardline, #6 Drier/Condenser
10.	1	081086	Hardline, #8 Condenser
11.	12	18260-VUB	Nut with Star Washer, 10-24
12.	12	18249-VUB	Screw, 10-24 x 3/8", Pan Head
13.	3	33857-VUF	O-ring, #6
14.	1	33858-VUF	O-ring, #8
15.	2	18247-VUB	Screw, #10 x 1/2", Sheet Metal
16.	1	11079-VUS	Binary Switch, Male
17.	1	23135-VUW	Compressor Lead
18.	1	33134-VUI	Grommet, 2-Hole, 3/8" x 1/2"
19.	1	18287-VUB	Bolt, 1/4-20 x 1/2", Hex
20.	5	18125-VUB	Washer, .312 ID x .750 OD, Flat
21.	1	18152-VUB	Nut with Star Washer, 1/4-20
22.	4	182871	Bolt, 1/4-20 x 3/4", Hex
23.	4	18978-VUB	U-nut, 1/4-20

**** 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.**



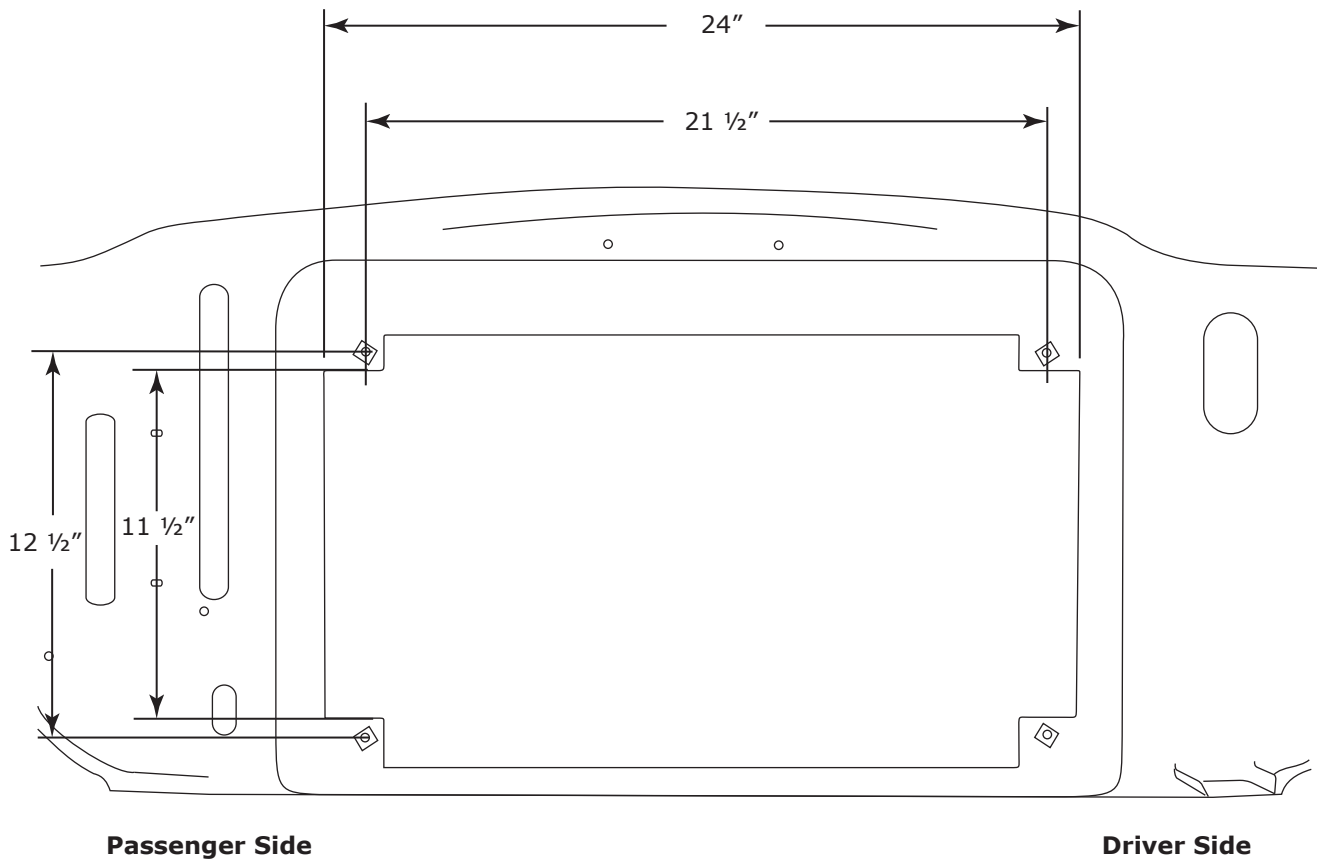
NOTE: Images may not depict actual parts and quantities. Refer to packing list for actual parts and quantities.



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Core Support Measurements

This kit was developed based on the measurements below, which were taken from a 1968 Ford Mustang with Factory Air core support.





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Engine Compartment Disassembly

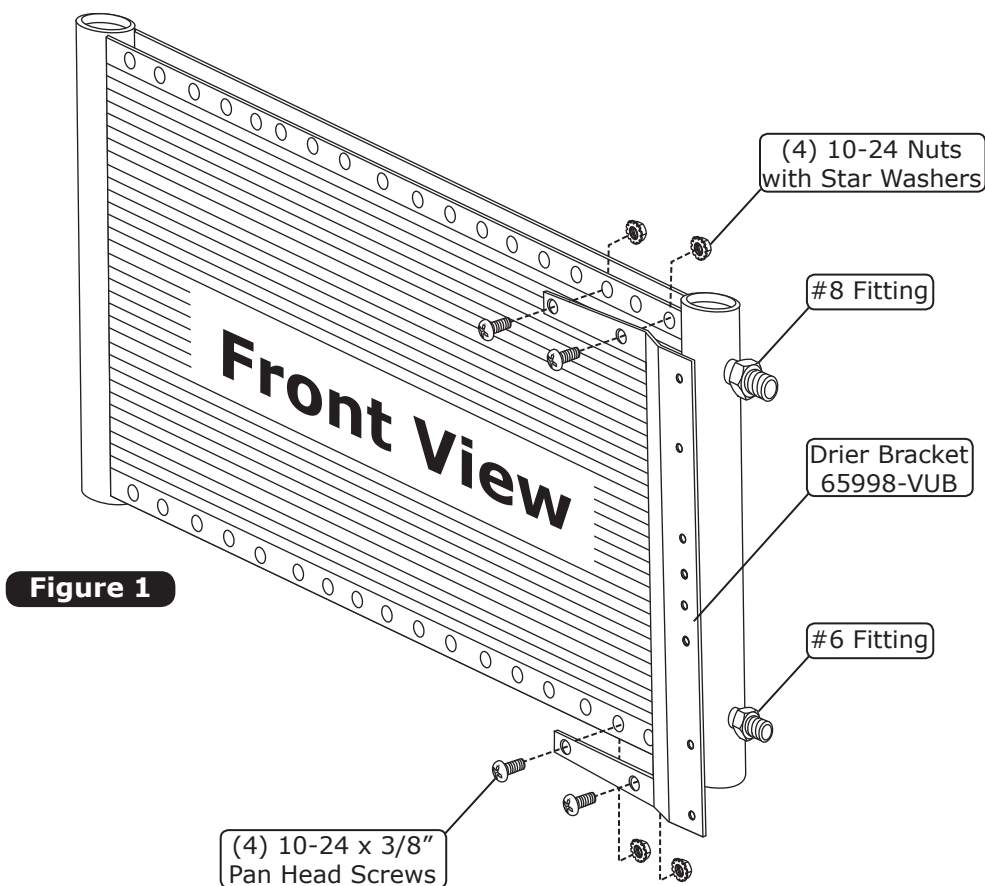
NOTE: Before starting the installation, check the function of the vehicle (horn, lights, etc.) for proper operation, and study the instructions, illustrations, & diagrams.

Perform the Following:

1. Disconnect battery.
2. Drain radiator.
3. Remove radiator (retain).
4. Remove OEM fan and fan shroud (retain).

Drier Bracket Installation

1. Install the drier mounting bracket onto the condenser using (4) 10-24 x 3/8" pan head screws and (4) 10-24 nuts with star washers (See Figure 1, below). **NOTE: Brackets mount through the 1st and 3rd holes in the condenser.**





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Condenser Mounting Bracket Installation

1. Install the condenser mounting brackets onto the condenser using (8) 10-24 x 3/8" pan head screws and (8) 10-24 nuts with star washers (See Figure 2, below). **NOTE: Brackets mount through the 1st and 2nd holes on the condenser.**

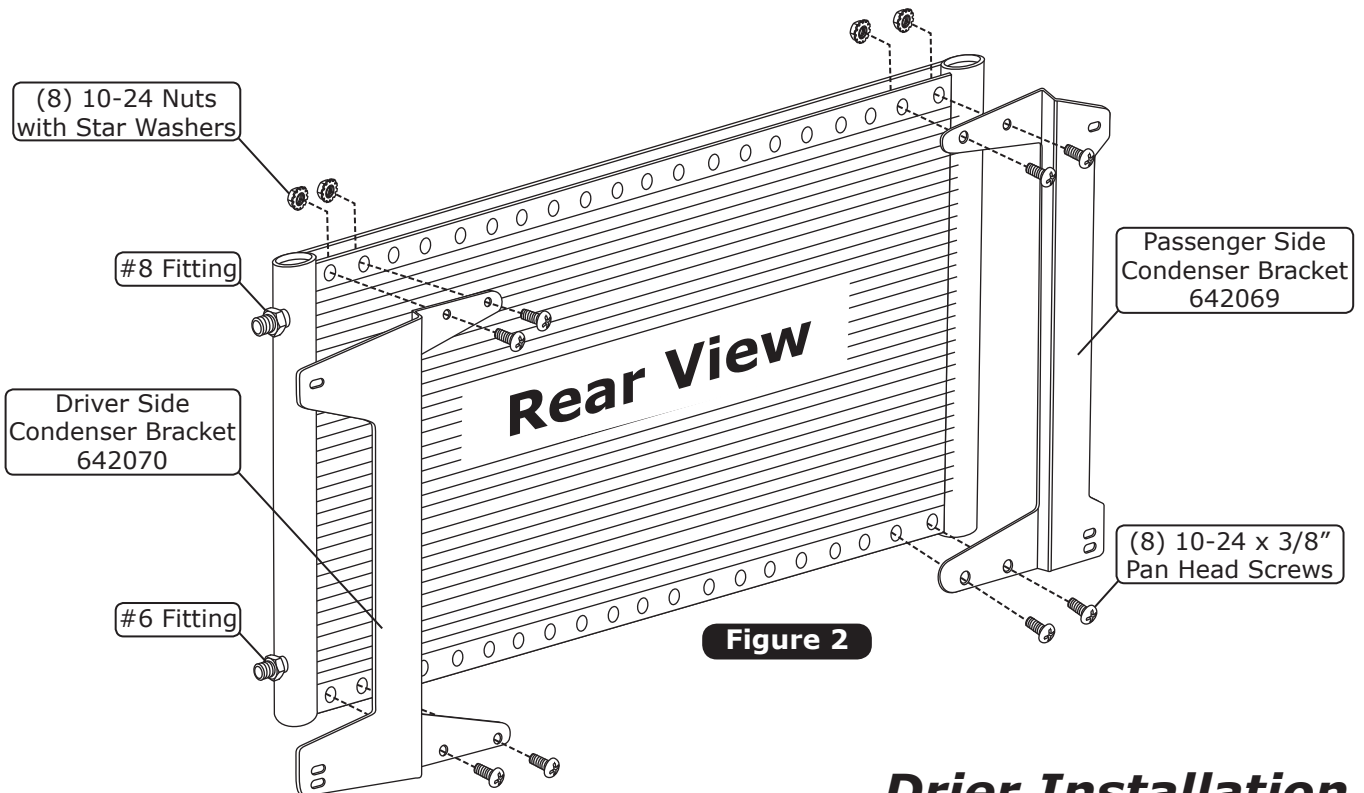


Figure 2

Drier Installation

1. Install the drier clamps onto the drier as shown in Figure 3, below.
2. Using (2) #10 x 1/2" sheet metal screws, install the drier onto the drier mounting bracket in the 6th and 7th holes from the bottom of the bracket as shown in Figure 3, below. **NOTE: Refrigerant flow through drier is IN from condenser, OUT to evaporator.**

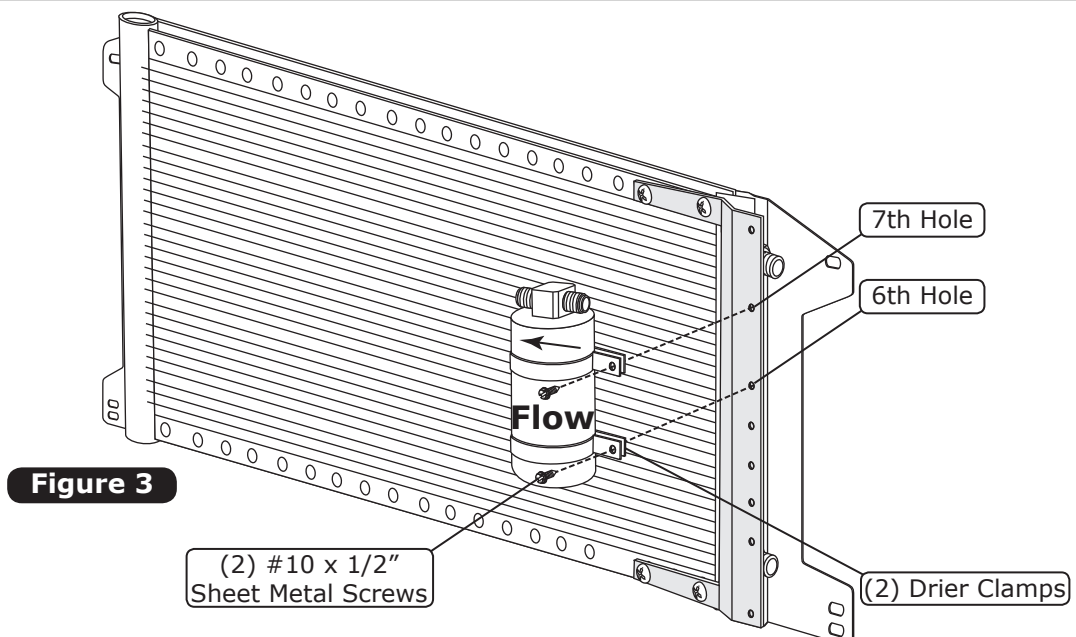
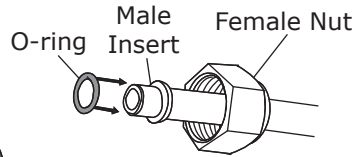
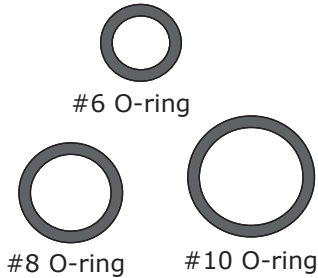


Figure 3



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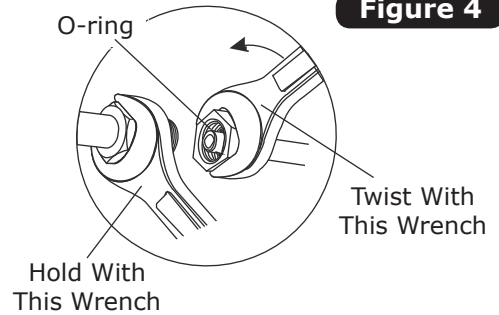
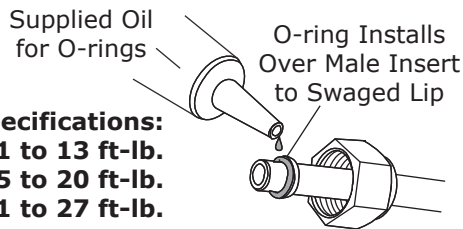
Lubricating O-rings



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

Figure 4

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



Hardline Installation

1. Lubricate (2) #6 O-rings as shown Figure 4, above, and install the #6 drier/condenser hardline as shown in Figure 5, below. Tighten fittings as shown in Figure 4, above.

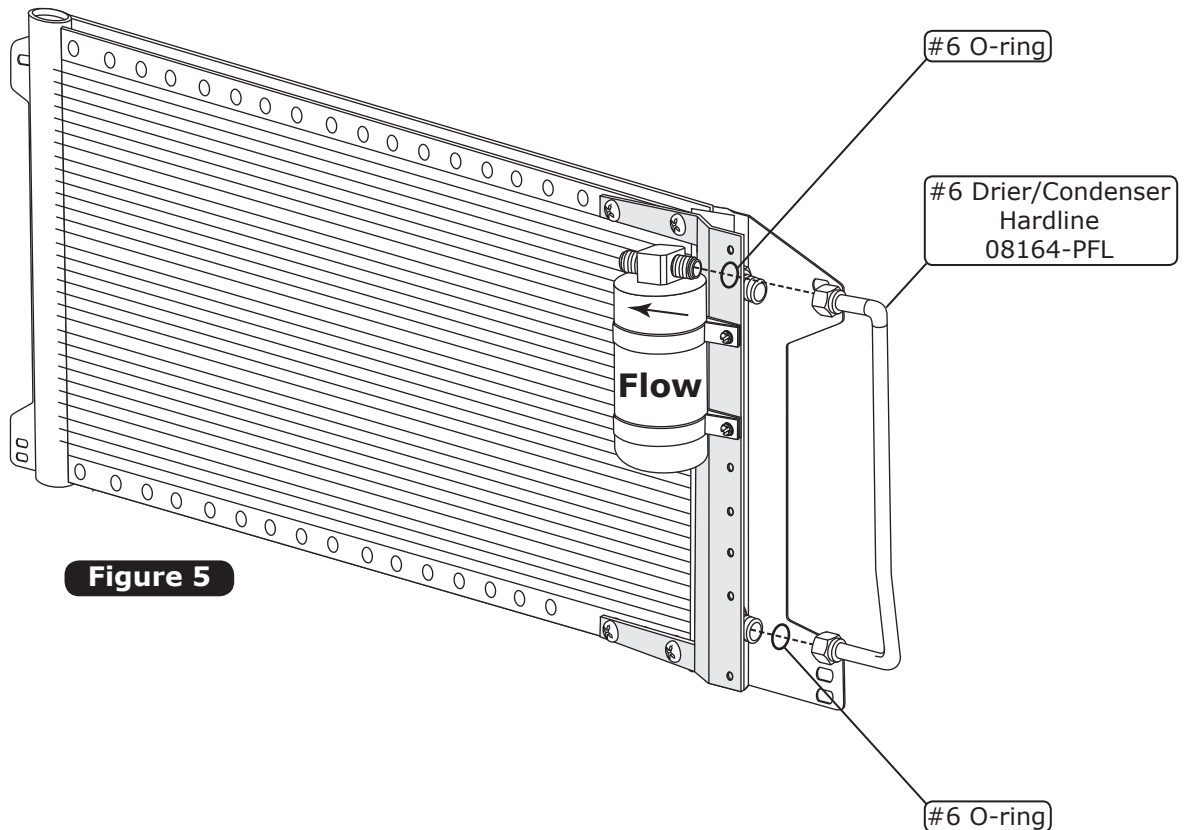


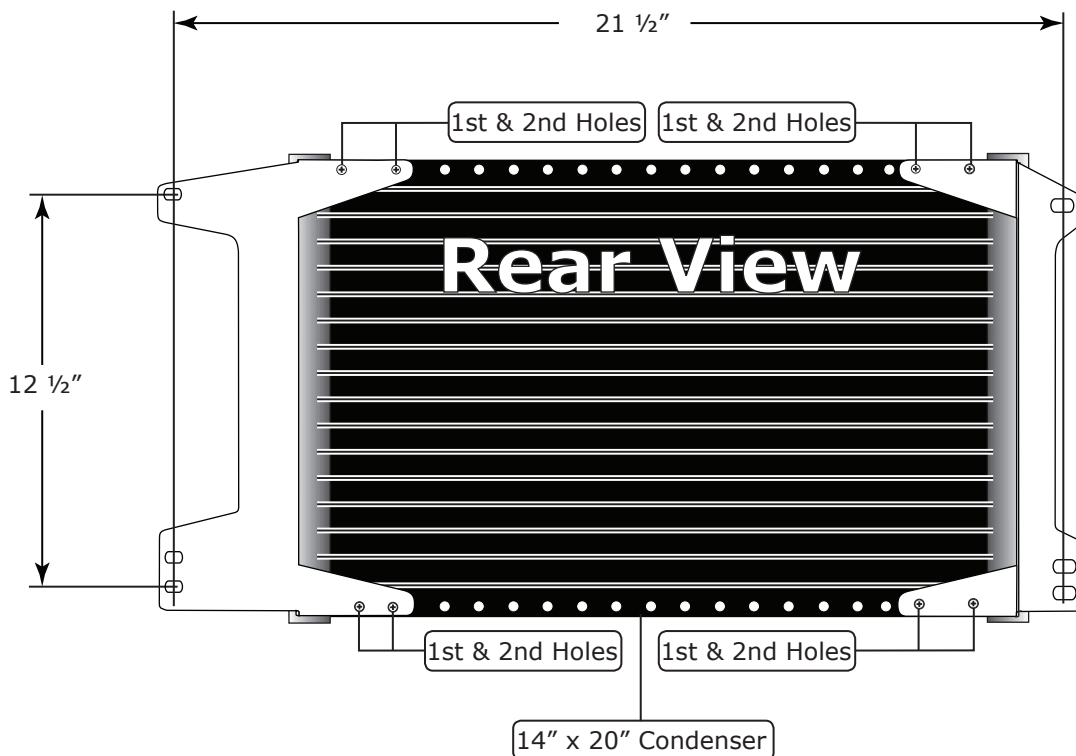
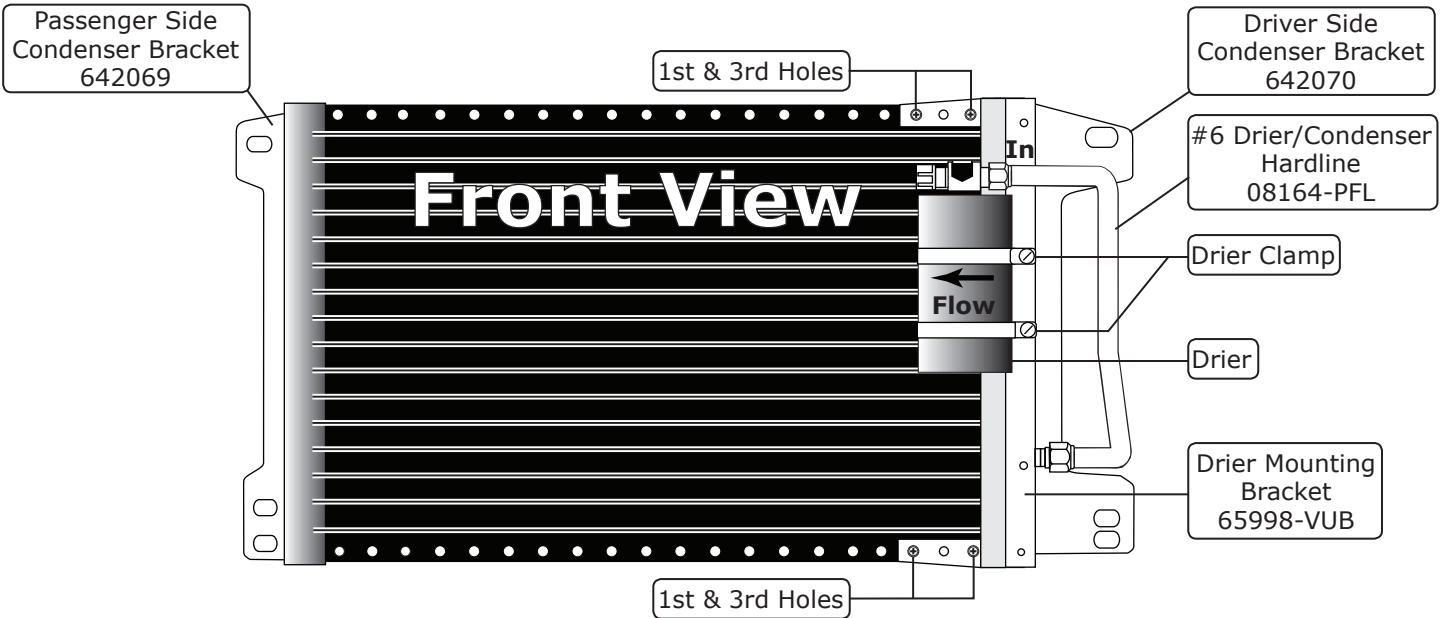
Figure 5



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Condenser Assembly

1. Compare your condenser assembly to the images below.





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Core Support Modification

With A/C:

1. Using the template provided on Page 12, drill a 1/4" hole (See Figure 6a, below).
2. Install the hardline support bracket on the back side of the core support using a 1/4-20 x 1/2" bolt, flat washer and 1/4-20 nut with star washer as shown in Figure 6b, below.
3. Install the 2-hole grommet onto the hardline support bracket as shown in Figure 6b, below.

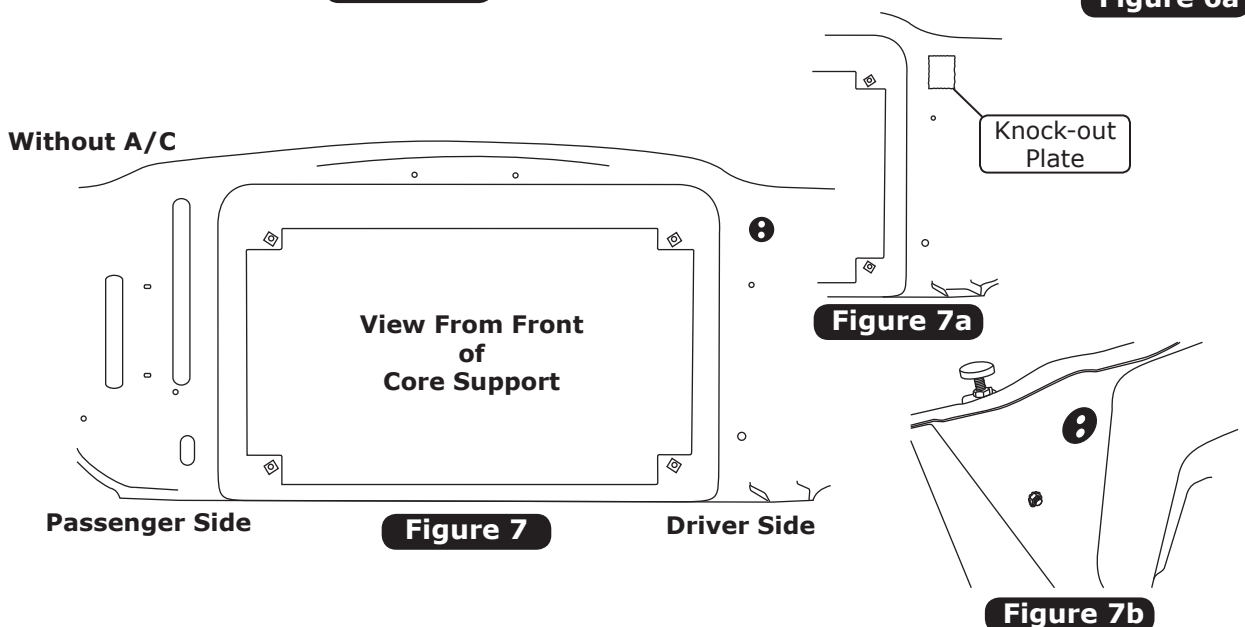
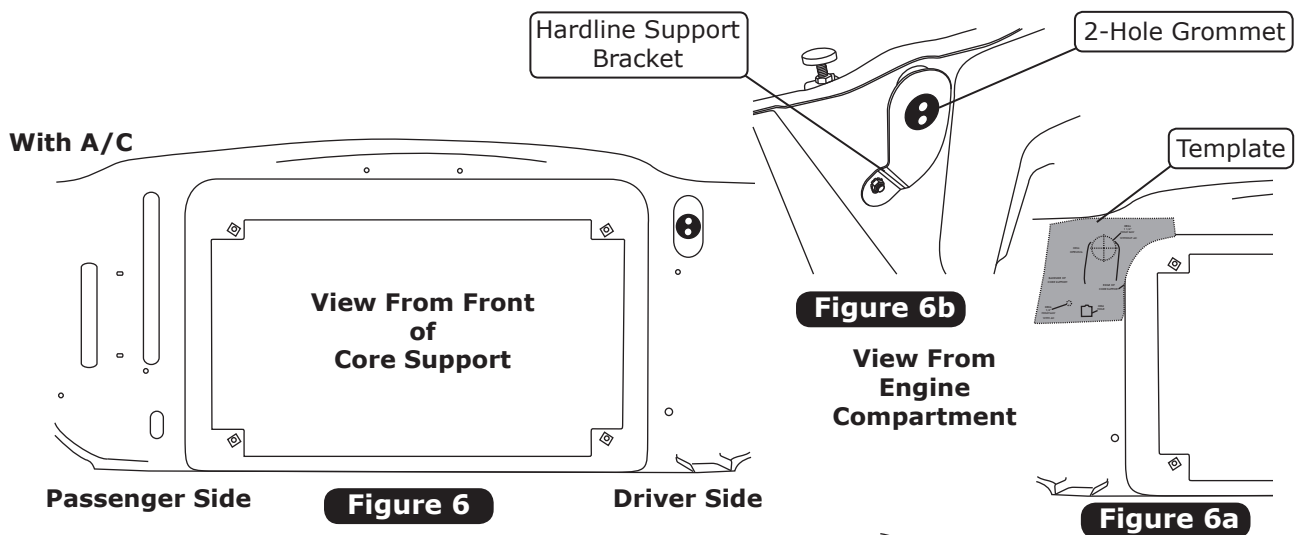
Without A/C:

Option 1:

1. Weld the knock-out plate to the core support as shown in Figure 7a, below.
2. Using the template provided on Page 12, drill a 1 1/4" hole in the core support.
3. Install the 2-hole grommet in the hole as shown in Figure 7b, below.

Option 2:

1. Knock out the plate on the core support (See Figure 7a, below).
2. Using the template provided on Page 12, drill a 1/4" hole. Install hardline support bracket on the back side of the core support using a 1/4-20 x 1/2" bolt, flat washer and 1/4-20 nut with star washer.
3. Install the 2-hole grommet onto the hardline support bracket as shown in Figure 6b, below.

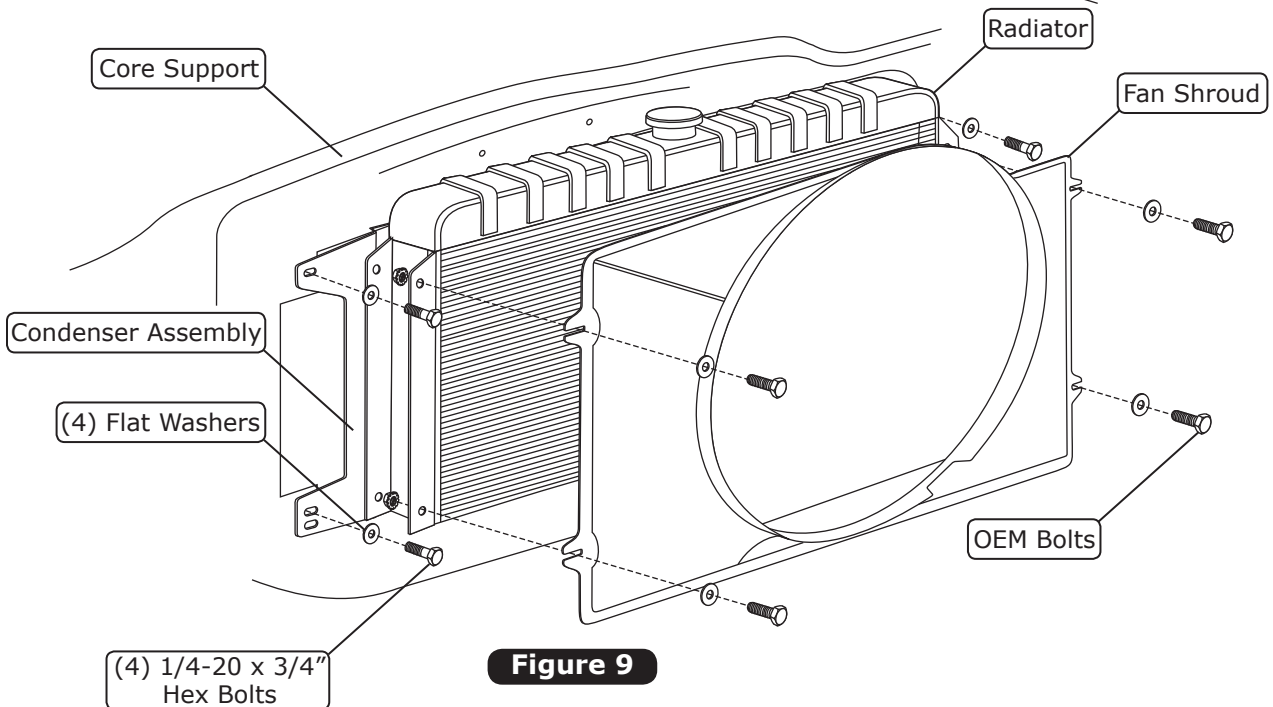
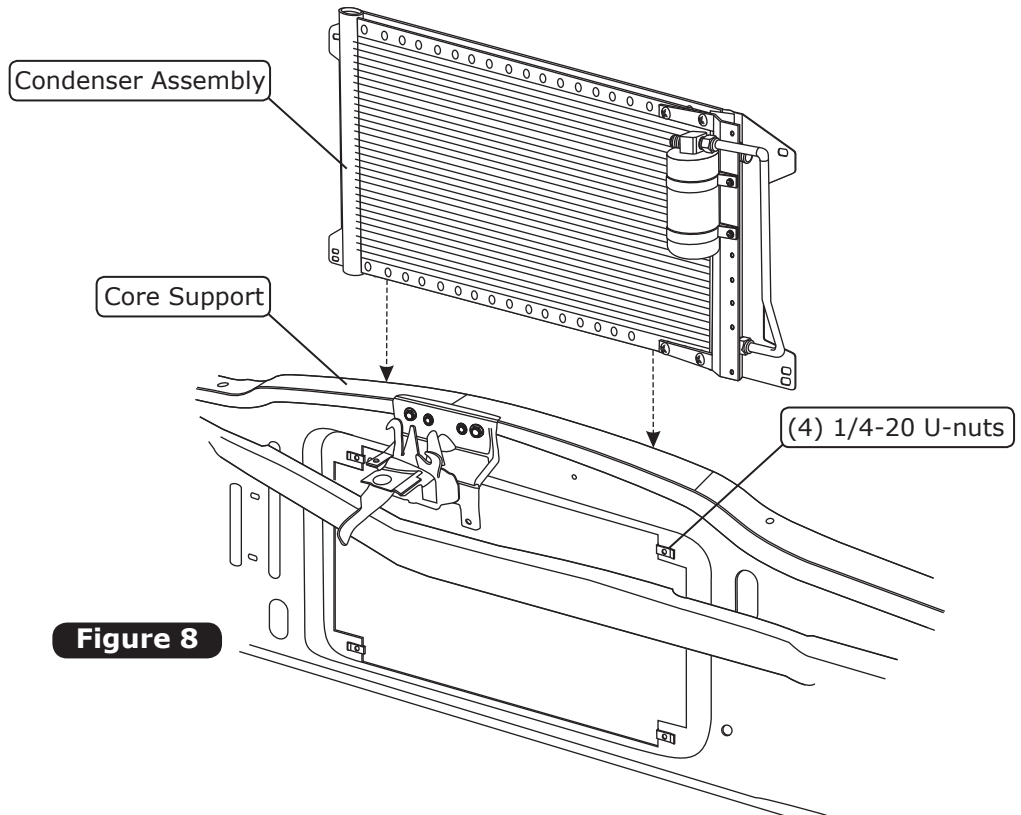




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Condenser Assembly and Fan Shroud Installation

1. Install (4) 1/4-20 U-nuts on the core support as shown in Figure 8, below.
2. Install condenser assembly between the radiator and the core support as shown in Figure 8, below.
3. Secure the condenser assembly to the core support using (4) 1/4-20 x 3/4" hex bolts and (4) flat washers as shown in Figure 9, below.
4. Reinstall the fan shroud and radiator using the OEM hardware as shown in Figure 9, below.

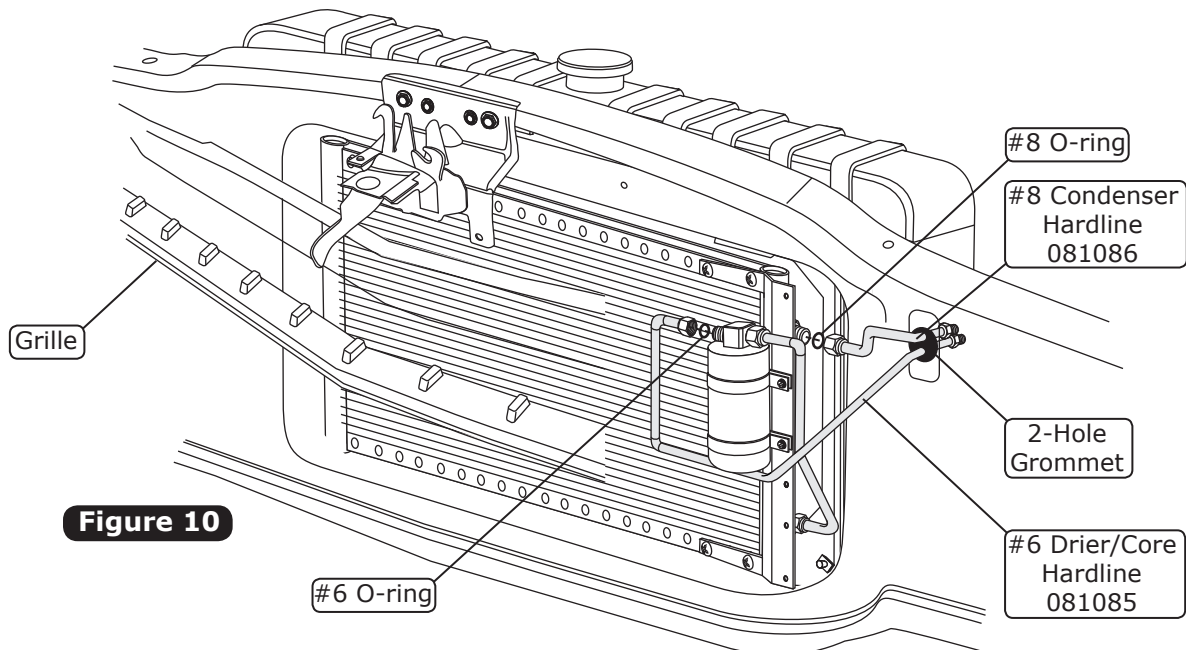




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Hardline Installation (Cont.)

1. Lubricate a #6 and #8 O-ring as shown in Figure 4, Page 7. Install the #6 drier/core hardline and the #8 condenser hardline as shown in Figure 10, below. Tighten fittings as shown in Figure 4, Page 7.



Binary Switch Installation and Final Steps

1. Install the binary switch onto the drier as shown in Figure 11, below.
2. Reinstall and/or reconnect all remaining items removed or disconnected in Steps 1-4 of the Engine Compartment Disassembly instructions on Page 5. This concludes the condenser kit portion of your installation.

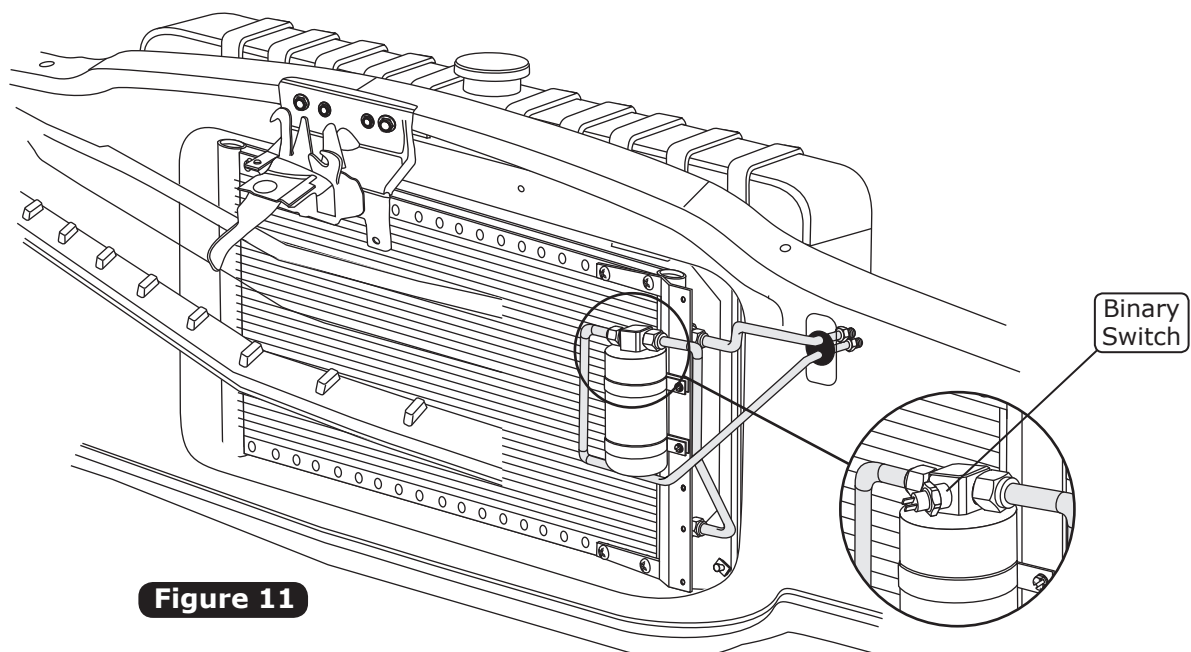


Figure 11

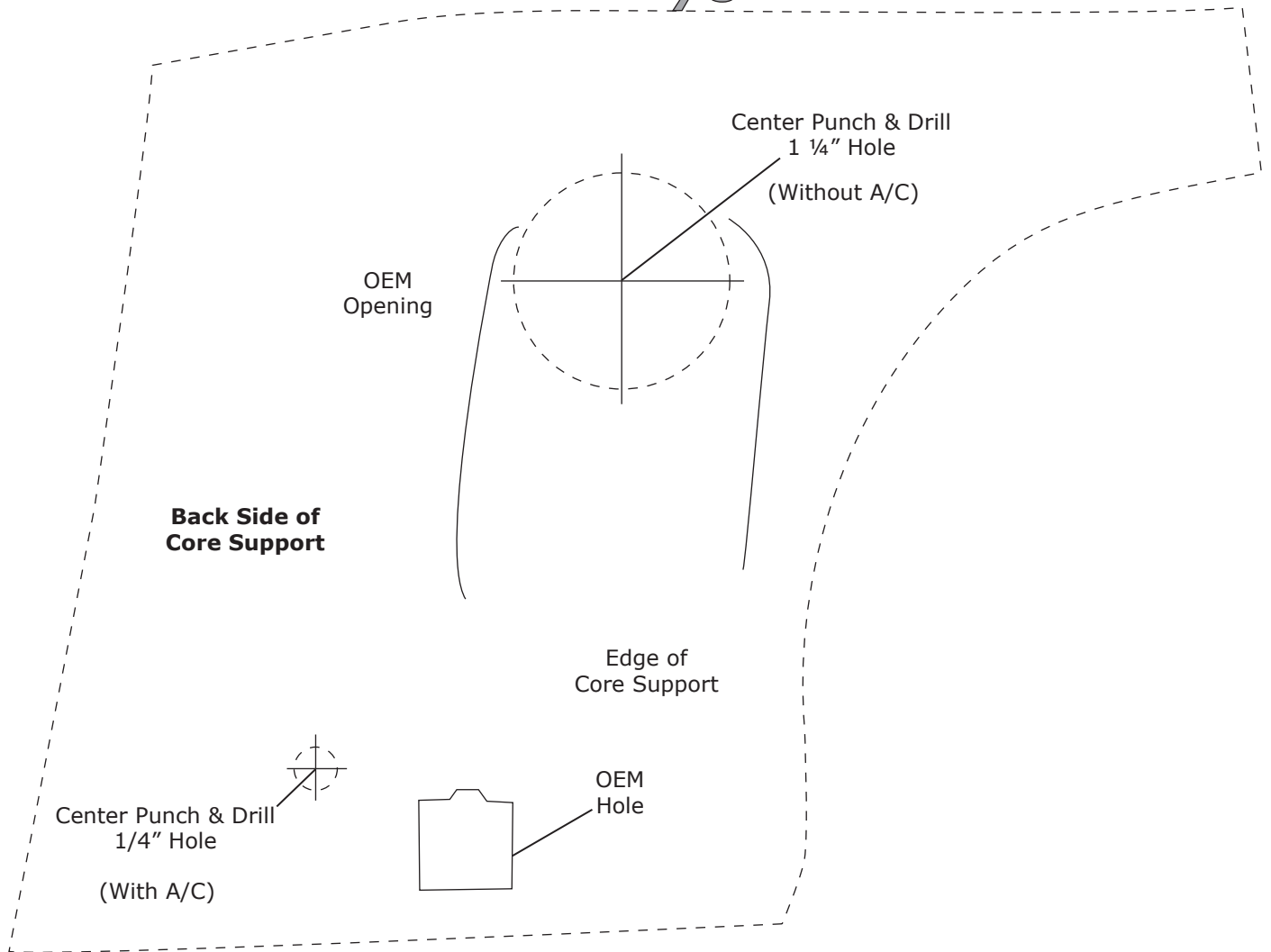


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Core Support Modification Template



Cut along the dotted line



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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22.	4	182871	Bolt, 1/4-20 x 3/4", Hex
23.	4	18978-VUB	U-nut, 1/4-20

Checked By: _____
Packed By: _____
Date: _____

