



**85652 \ 85653 Air Oil Separator kits are designed for vehicles with automatic and standard transmissions. Determine what application applies and follow either "Automatic Transmission" or "Standard Transmission" directions.**

**Parts List**

- (1) TANK BODY
- (2) BILLET CLAMP
- (1) BILLET MOUNT
- (2) STAINLESS STEEL BRACKETS
- (1) STAINLESS STEEL RADIATOR BRACKET (LARGE)
- (1) STAINLESS STEEL RADIATOR BRACKET (SMALL)
- (2) 90 DEGREE BARBED FITTINGS
- (1) LENGTH OF 3/8" X 2FT HOSE
- (1) LENGTH OF 3/8" X 5FT HOSE (5 FT LENGTH FOR AUTOMATIC TRANSMISSION VEHICLES, TRIM AS NEEDED FOR STANDARD TRANSMISSION VEHICLES)
- (6) 1/4 X 20 SHCS X 5/8
- (2) HOSE CLAMPS

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Vehicles with “Automatic Transmission” Follow steps 1 –14.



Step 1: Remove oil fill cap and engine cover.

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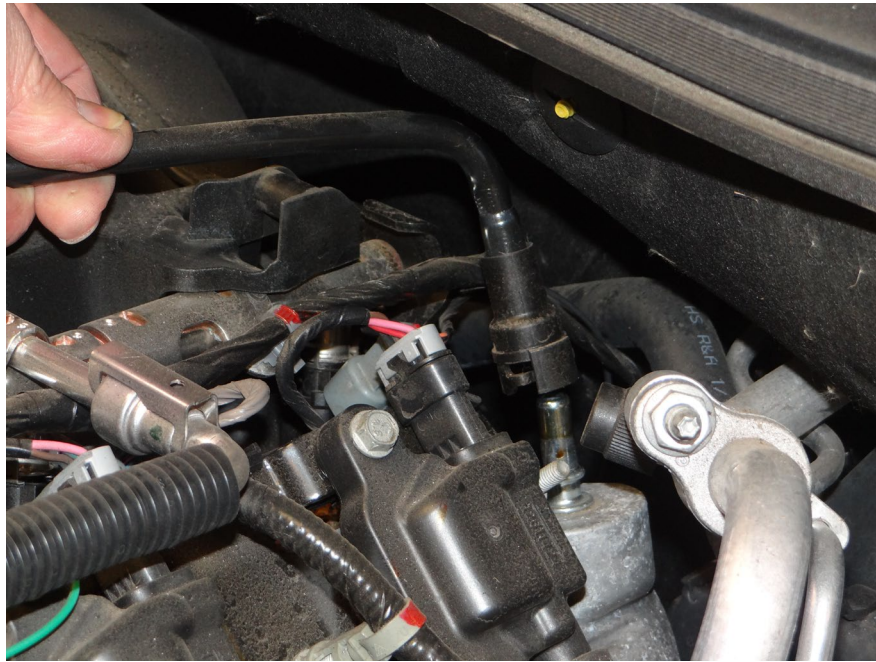
Step 2: Re-install oil fill cap.



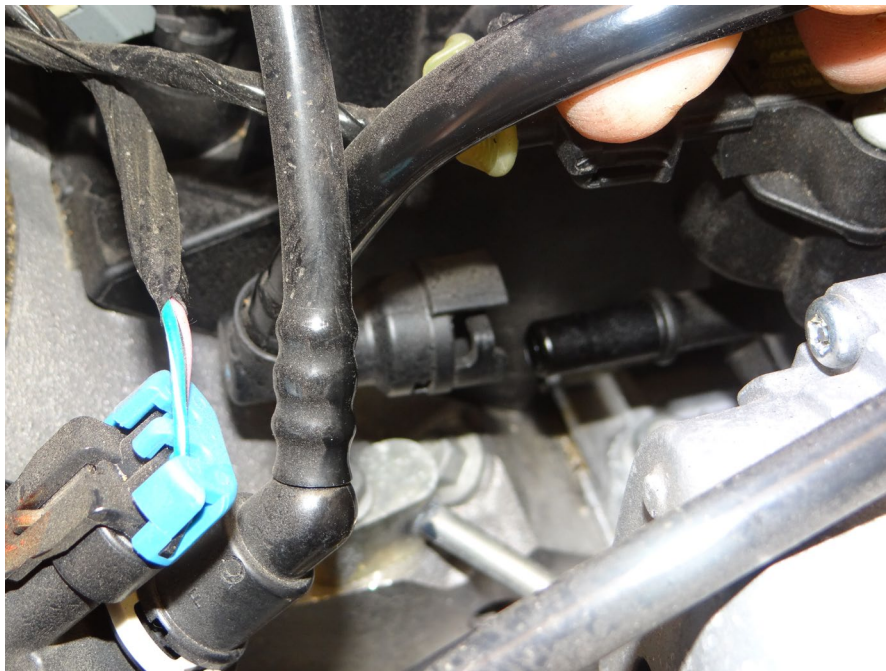
Step 3: Locate PCV line, runs from drivers side rear valve cover to intake manifold.

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Step 4: Remove PCV line from valve cover.



Step 5: Remove PCV line from intake.

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Step 6: Remove PCV line from vehicle.



Step 7: Route 3/8 line from passengers side front of vehicle to drivers side rear valve cover as shown.

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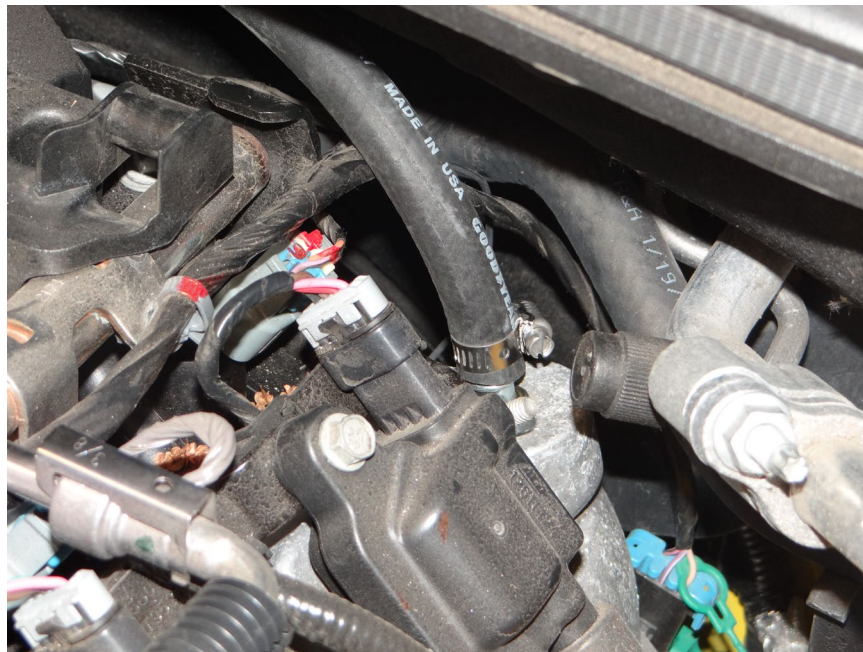




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Step 8: Install hose clamp.



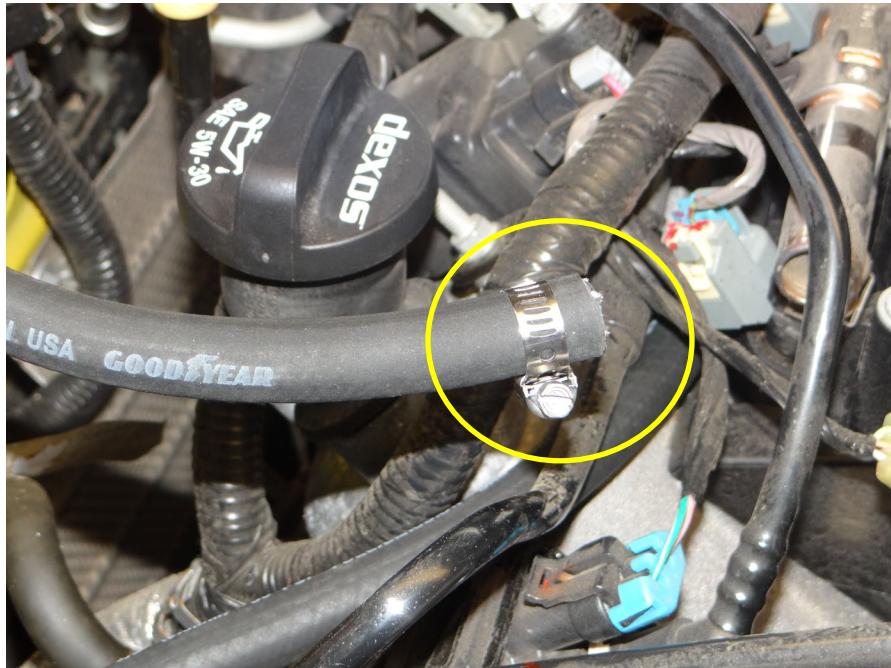
Step 9: Install hose over nipple and tighten hose clamp.

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Step 10: Coil hose at front of vehicle for future use.

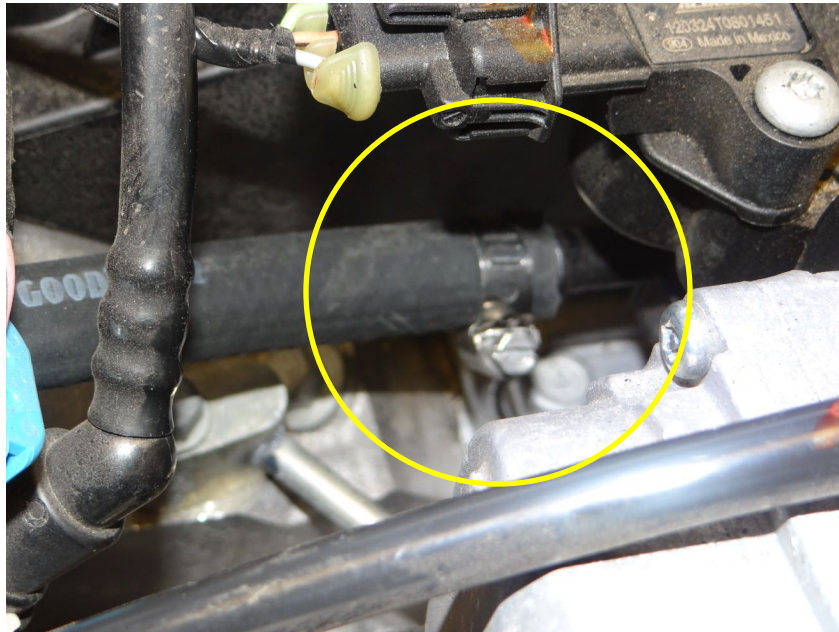


Step 11: Install hose clamp over short length of 3/8 hose.

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Step 12: Install hose over intake nipple.



Step 13: Route as shown in above illustration.

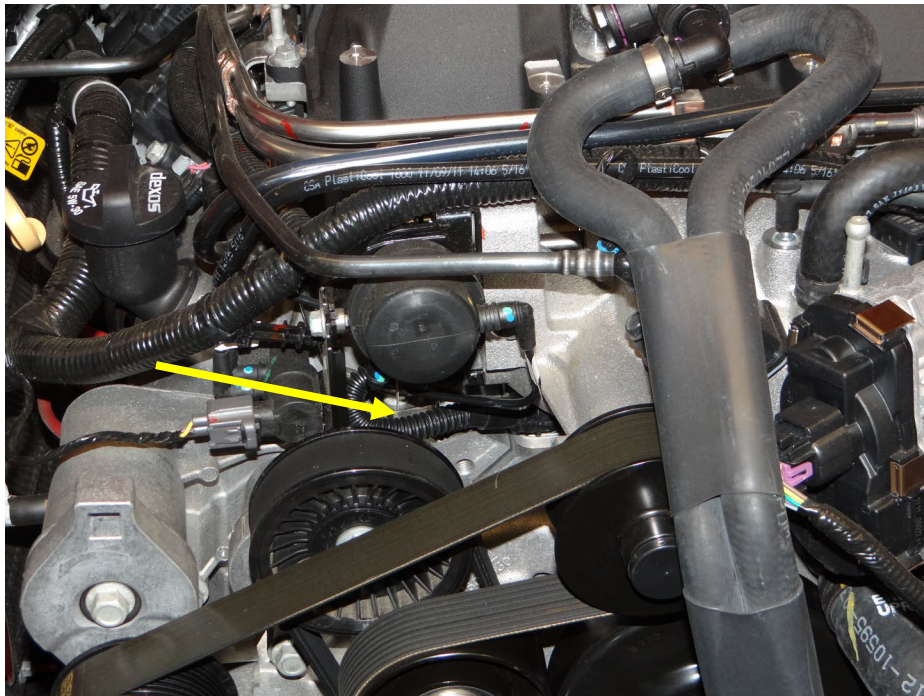
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Step 14: Reinstall engine cover and oil fill cap.

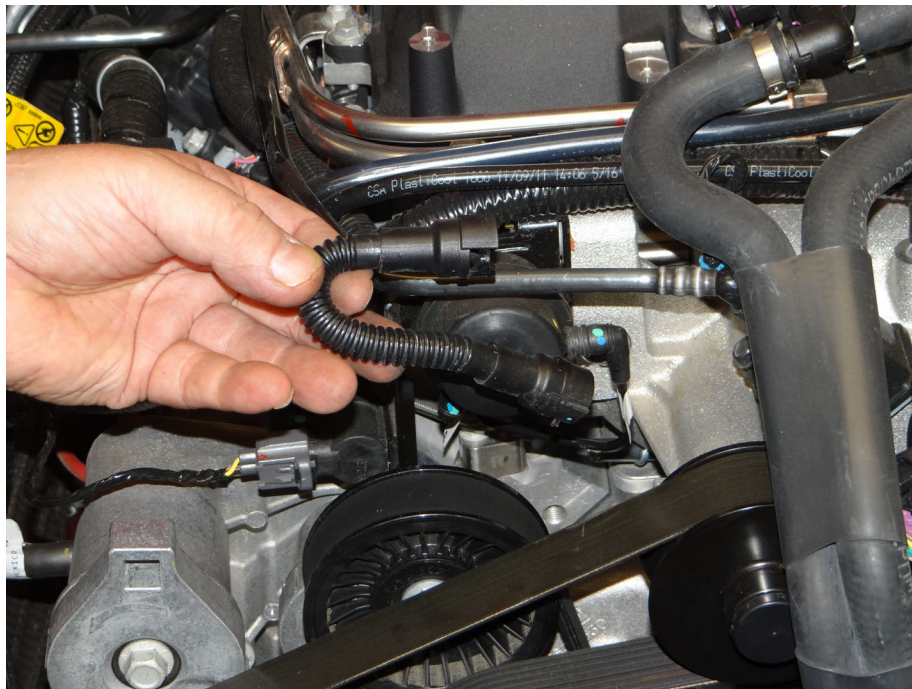
### **Vehicles with “Standard Transmissions” Follow Steps 1-8**



Step 1: Remove engine cover and locate PCV line that runs from intake to lifter valley.

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Step 2: Remove PCV line from vehicle.

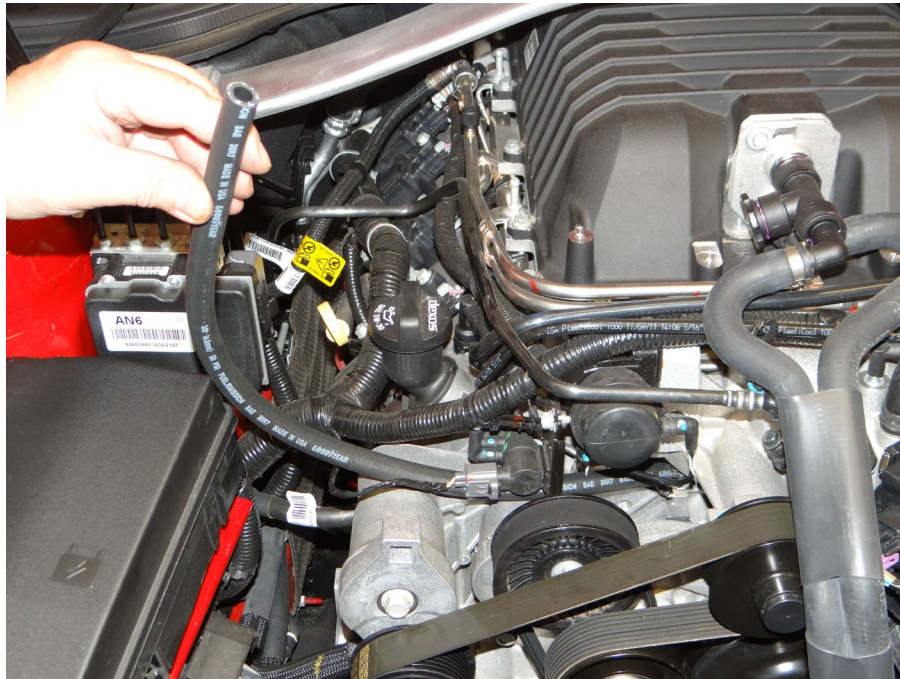


Step 3: Install hose clamp over 3/8 hose.

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Step 4: Install hose over lifter valley nipple and tighten hose clamp.



Step 5: Route hose as shown.

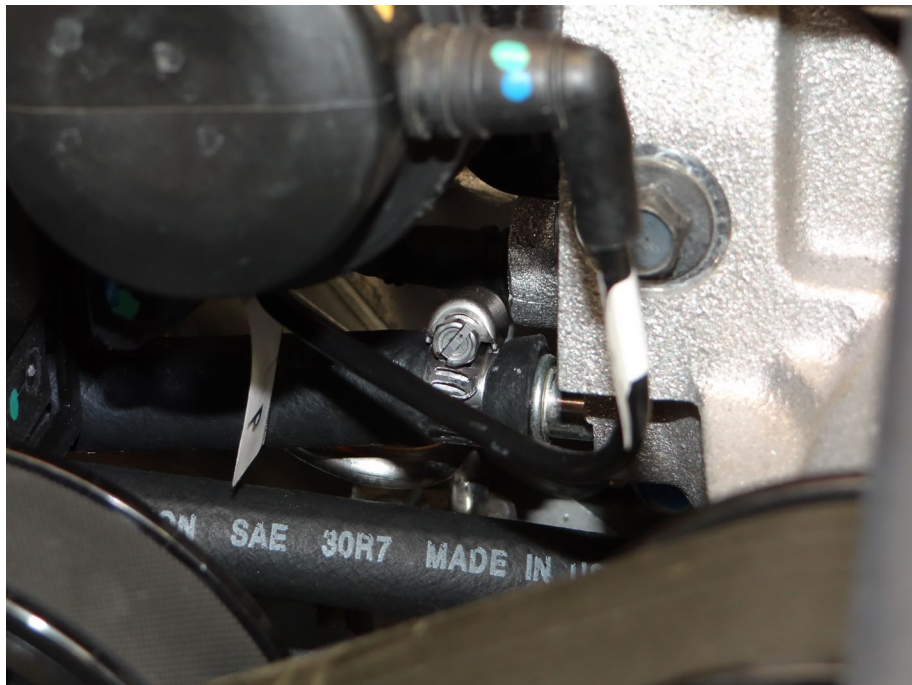
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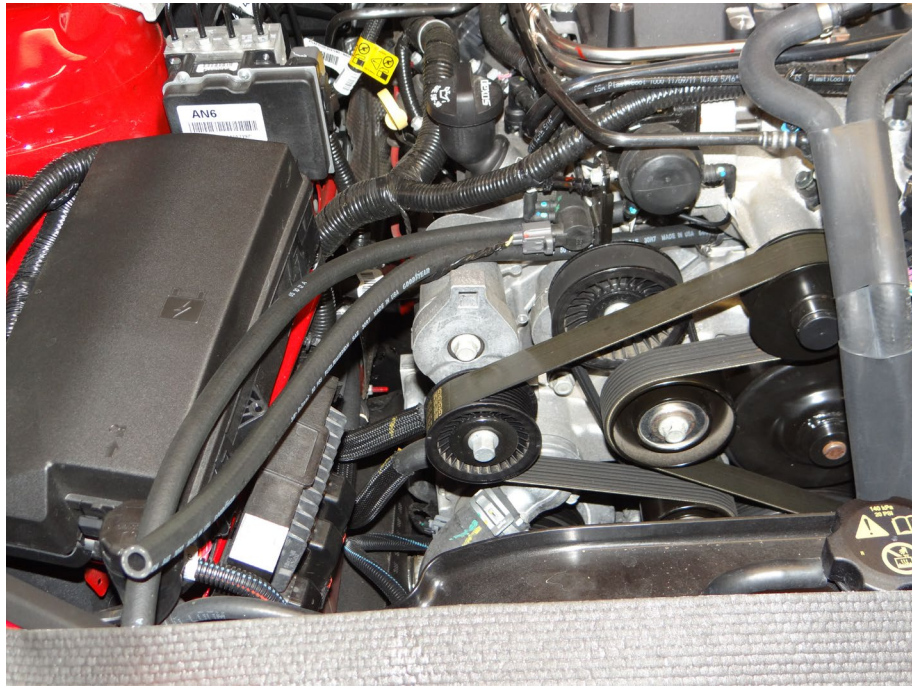


Step 6: Install hose clamp over 3/8 hose.



Step 7: Install hose over intake nipple and tighten hose clamp.

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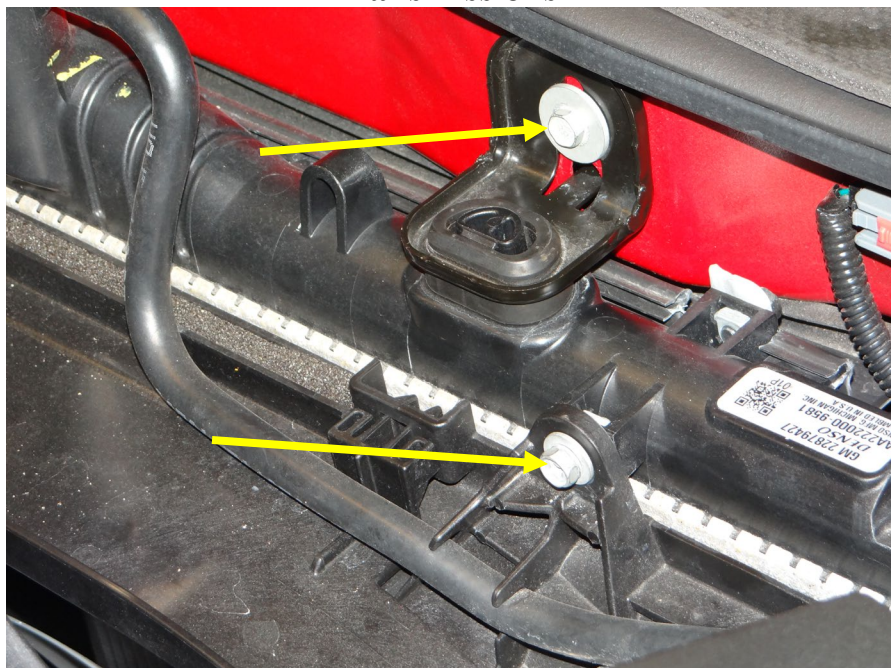
Step 8: Route hoses as shown.

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The following steps apply to vehicles with “Automatic” and “Standard Transmissions”

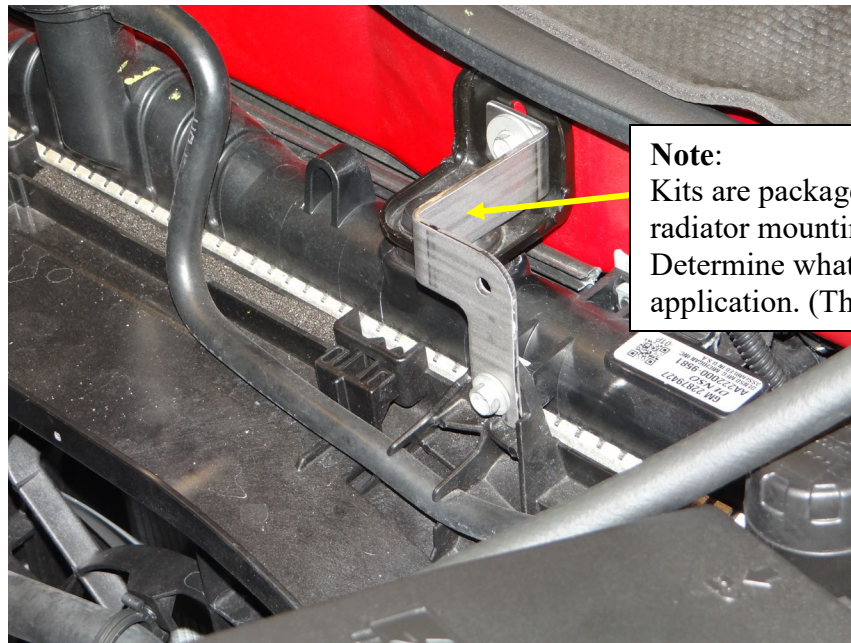


Step 1: Locate radiator and fan shroud mounting bolts on passenger side of vehicle.



Step 2: Remove mounting bolts.

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**Note:**

Kits are packaged with (2) different radiator mounting brackets. Determine what bracket fits your application. (Thick or thin radiator)

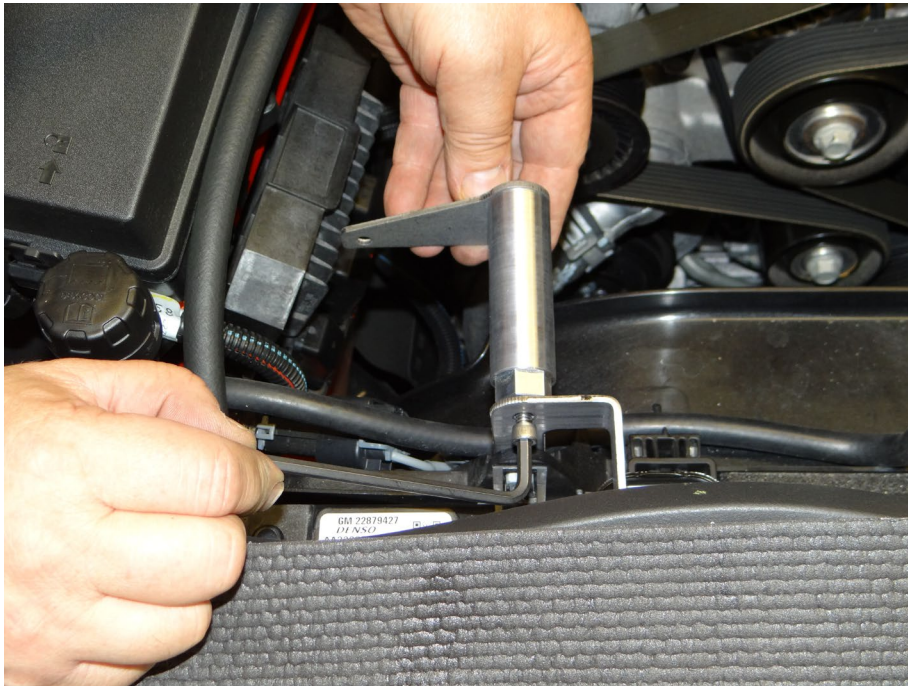
Step 3: Install Stainless mounting bracket as shown using mounting bolts previously removed.

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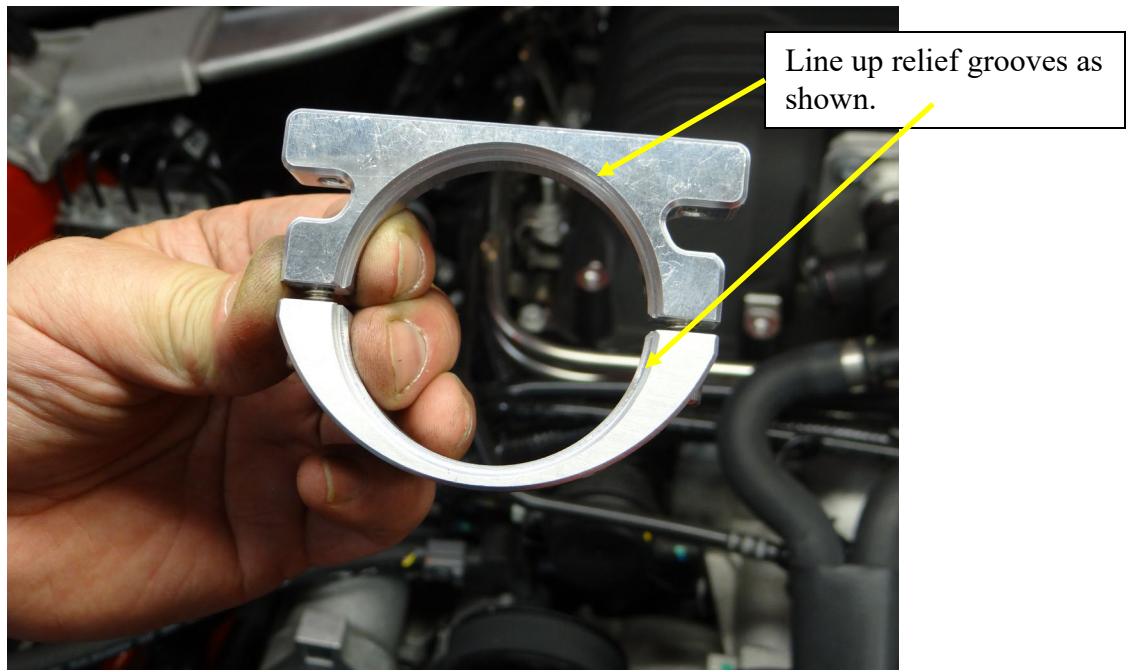
Step 4: Assemble billet mount to stainless clamp mounting bracket using (1) ¼-20 SHCS.



Step 5: Assemble to stainless steel mounting bracket as shown using (1) ¼-20 SHCS.

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Step 6: Assemble billet saddle to billet clamp using (2) 1/4x20x5/8 SHCS do not tighten.



Step 7: Assemble billet clamp to stainless mount with relief facing down using (2) 1/4-20 SHCS.

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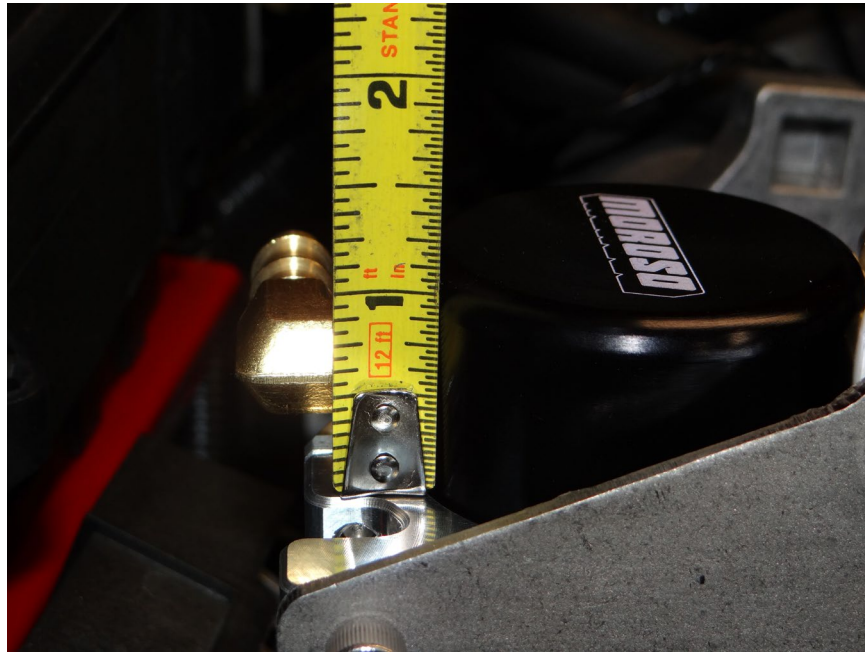


Step 8: Install barbed fittings as shown using Teflon tape.



Step 9: Insert Air Oil Separator into billet clamp with barbed fittings facing firewall of vehicle.

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Step 10: Set Air Oil Separator to 1" as shown.



Step 11: Install 3/8 hoses to Air Oil Separator.

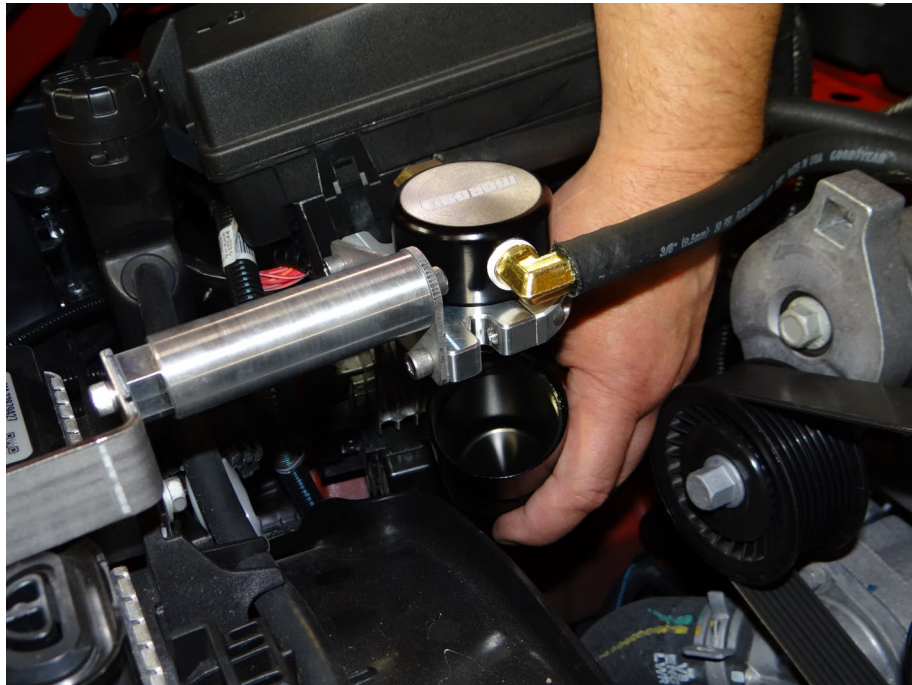
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Reinstall engine cover and oil fill cap

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**Draining of Air Oil Separator is needed; this will depend on driving conditions (i.e.) normal day to day driving check every 1,000 miles until a baseline is established. A good baseline is to drain the Air Oil Separator when it is about HALF full. This will vary with temperatures (cold winters vs. hot summers). For track usage Air Oil Separator will need to be drained after every outing.**

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