



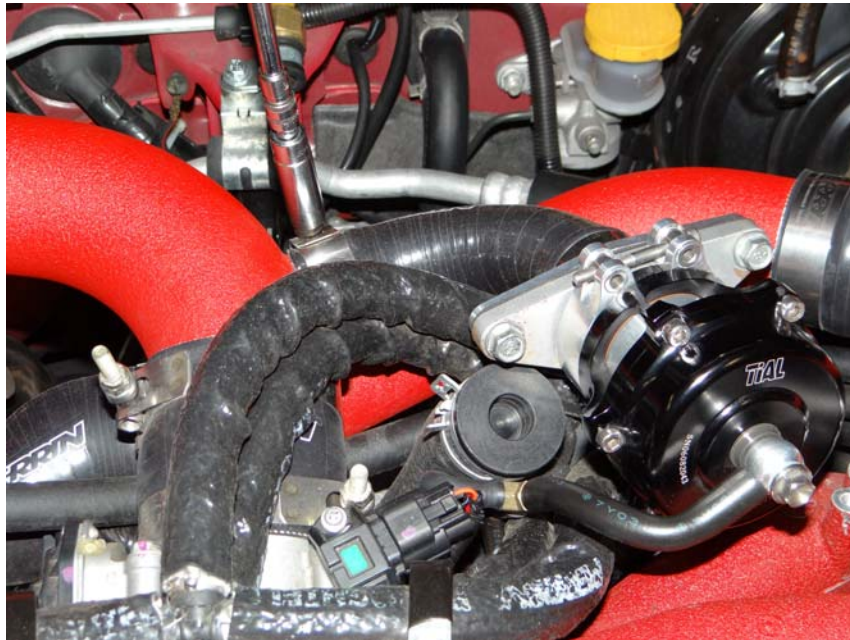
Parts List

- (1) Stainless Steel Mounting Bracket
- (2) Air Oil Separator
- (2) Billet Clamps
- (2) Lengths of 1/2" Hose
- (2) Lengths of 3/8" Hose
- (2) 3/8" 90 Degree Barbed Fittings
- (2) 1/2" 90 Degree Barbed Fittings
- (1) Throttle Body Gasket
- (8) 1/4-20x5/8 SHCS
- (1) 6mm x 30mm HHCS
- (1) 1/2" Coupling
- (2) Hose Clamps
- (1) Flat Washer

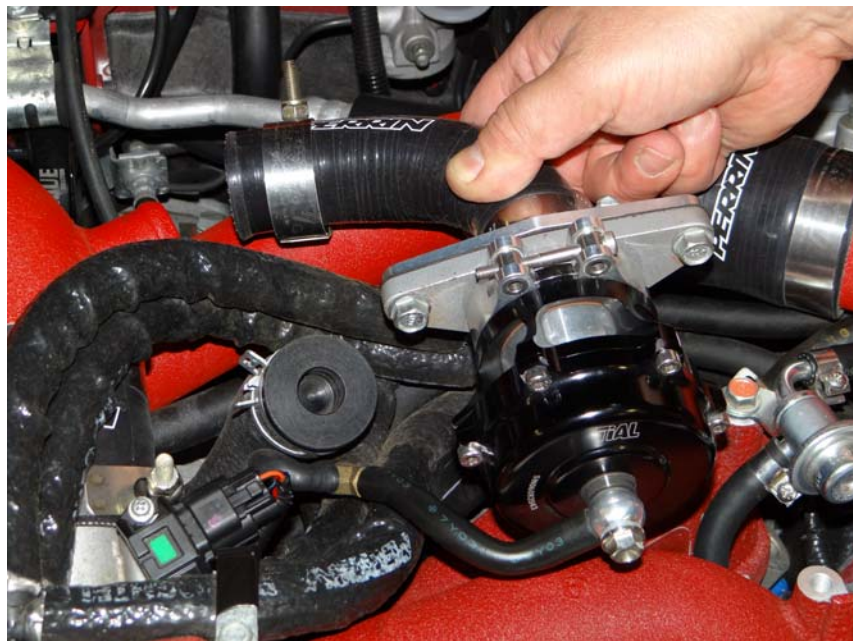
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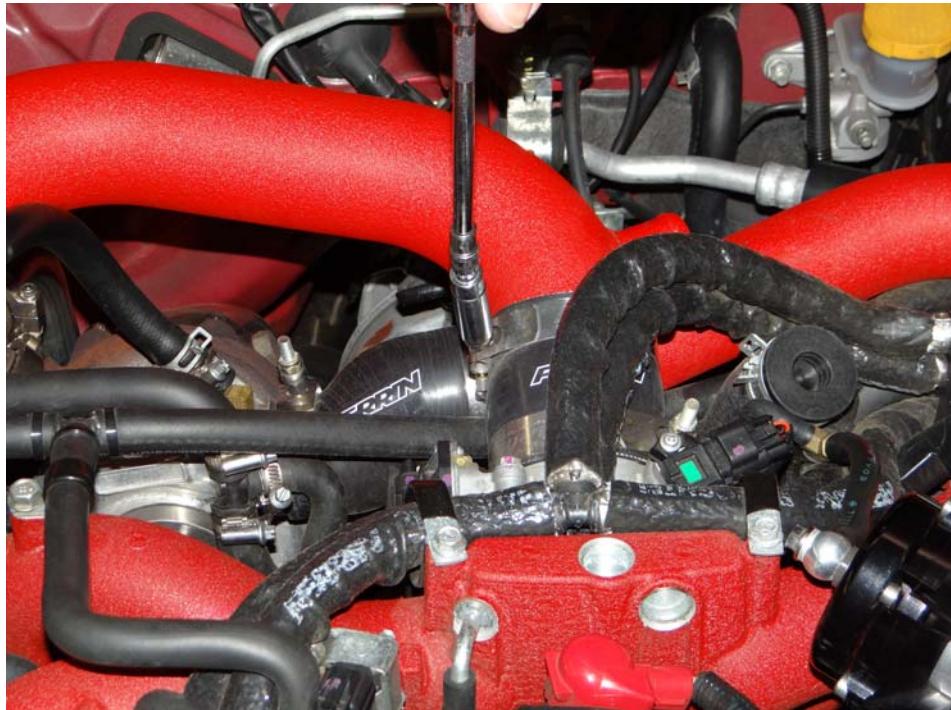
Step 1: Remove boost by-pass valve as shown.



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Step 2: Loosen intercooler tube to throttle body clamps.



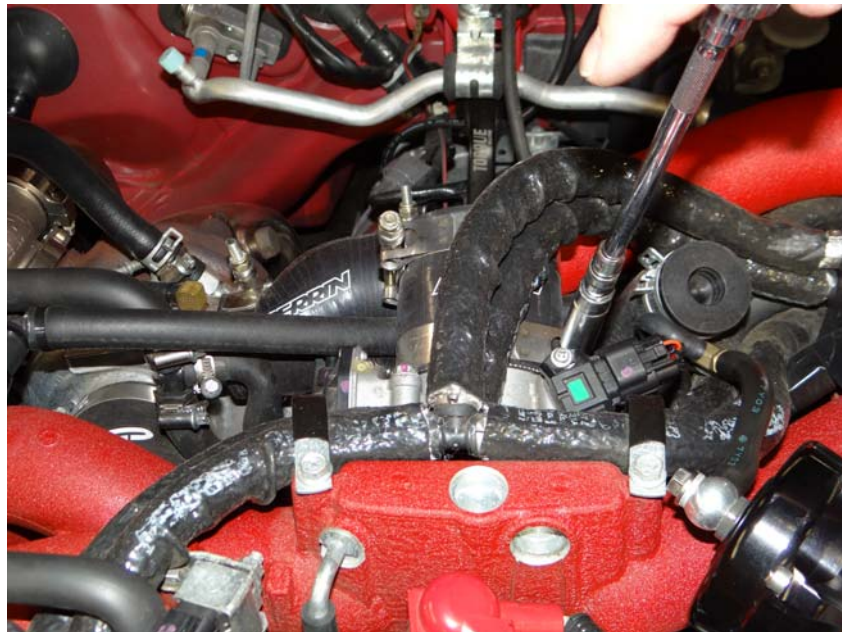
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Step 3: Remove intercooler to throttle body tube.



Step 4: Loosen throttle body hose clamp.

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Step 5: Remove throttle body hose.

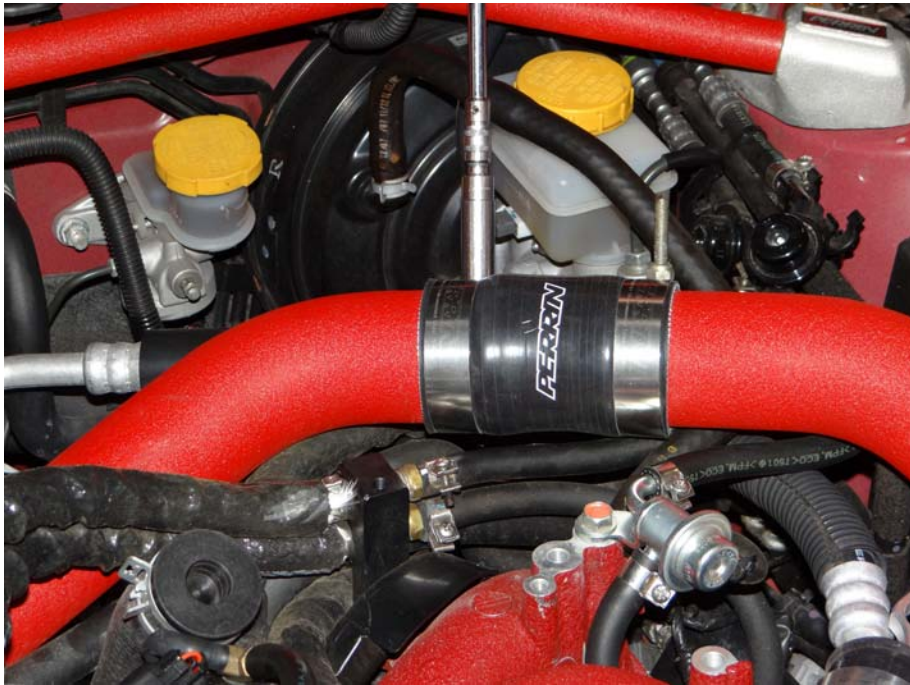


Step 6: Loosen turbo to intercooler tube clamps as shown.

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Step 7: Separate tube from rubber hose.

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Step 8: Remove turbo to intercooler tube.



Step 9: Locate and remove valve cover breather hose tee as shown.

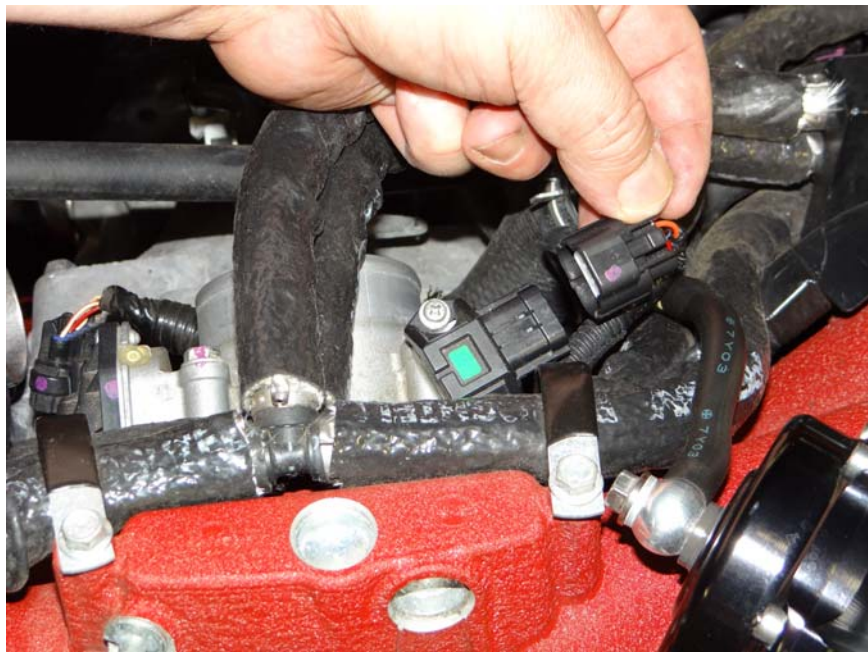
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Step 10: Remove electrical connectors from throttle body.



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Step 11: Remove bolts securing throttle body to intake manifold. Do not remove coolant lines from throttle body.



Step 12: Separate throttle body from intake and position out of way.

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Step 13. Remove and discard throttle body gasket.

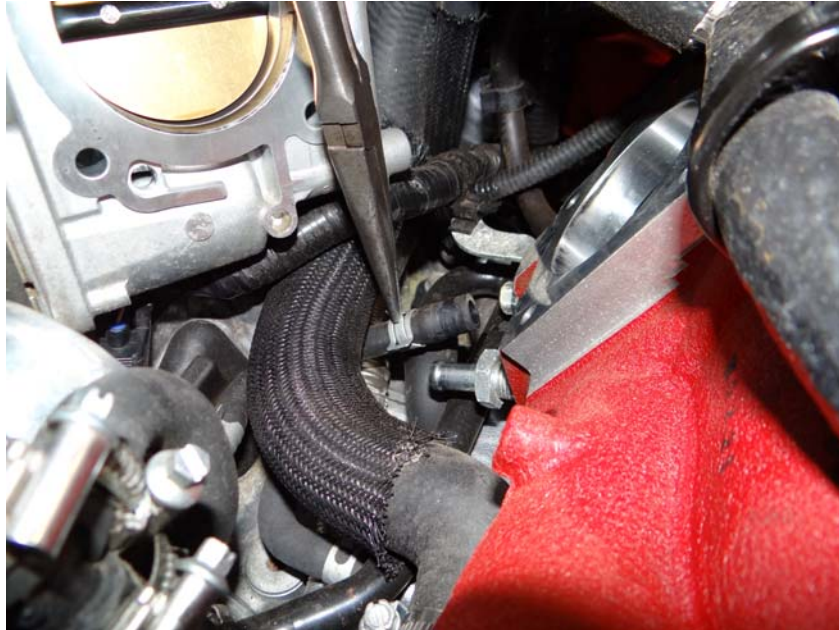


Step 14: locate PCV hose under intake manifold.

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Step 15: Remove hose from PCV valve.



Step 16: Locate and remove other end of hose from crank case nipple.

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Step 17: Route one end of 36"x 3/8" id hose under throttle body to PCV valve as shown.

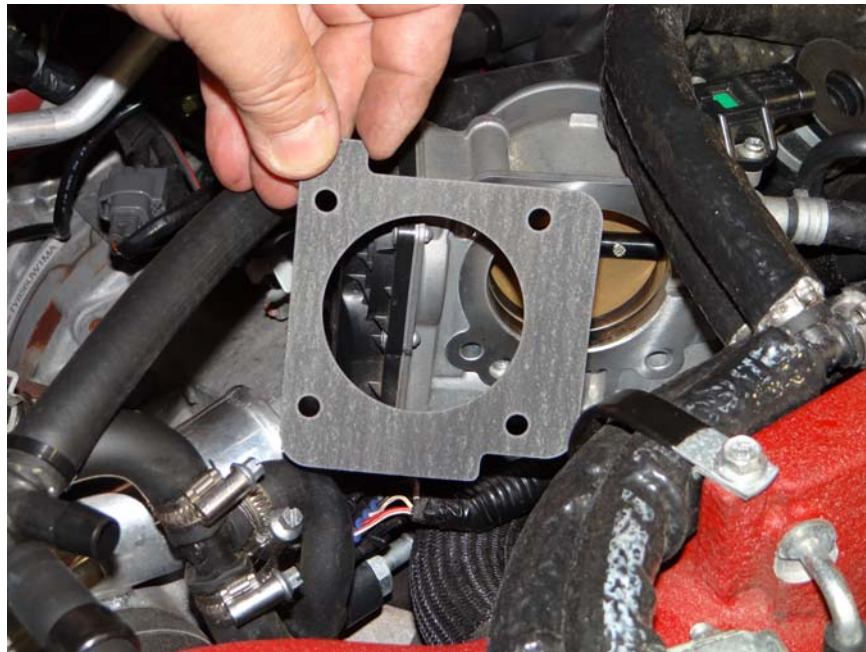
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Step 18: Install one over PCV valve nipple and secure with hose clamp.

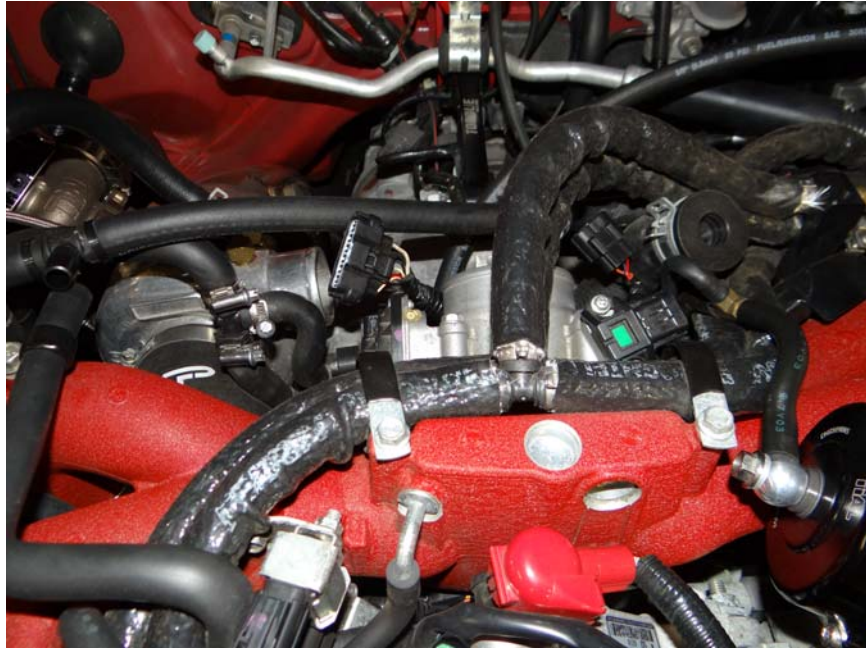


Step 19: Replace throttle body gasket with new gasket provided in kit.

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Step 20: Re-install throttle body and electrical connectors.



Step 21: Route other end of hose as shown and label #1.

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Step 22: Route one end of 30"x 3/8" id hose to crank case nipple and secure with hose clamp.



Step 23: Route other end of hose as shown and label #2.

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Step 24: position hoses out of the way as shown.



Step 25: Rotate valve cover breather tee towards firewall as shown.

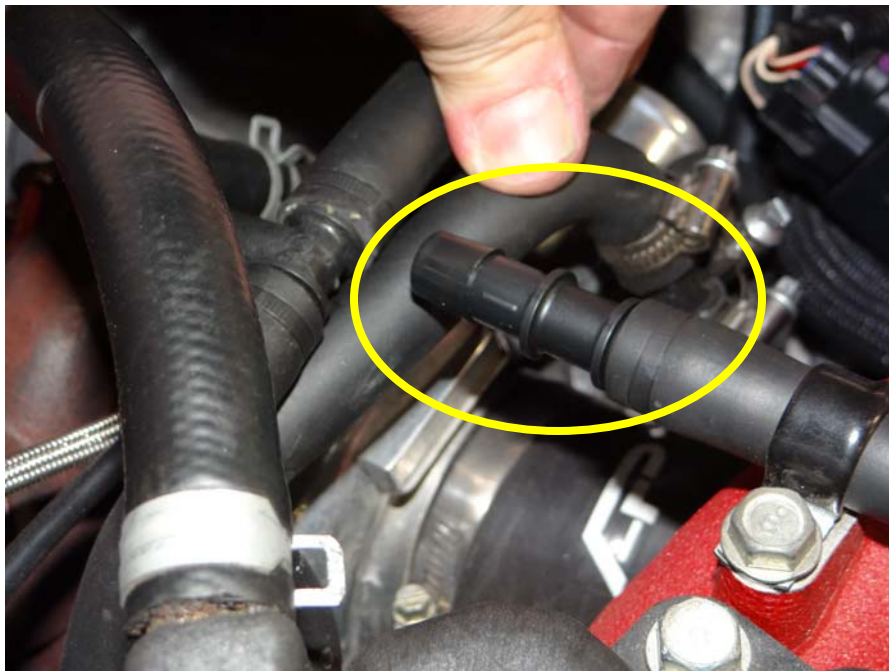
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Step 26: Insert coupling into valve cover breather hose.



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Step 27: connect one end of 18"x 1/2" id hose to coupling as shown.



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Step 28: Label other end of hose #3.



Step 29: Position hose out of the way.

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Step 30: connect one end of 18"x 1/2" id hose to tee as shown.



Step 31: Label other end of hose #4.

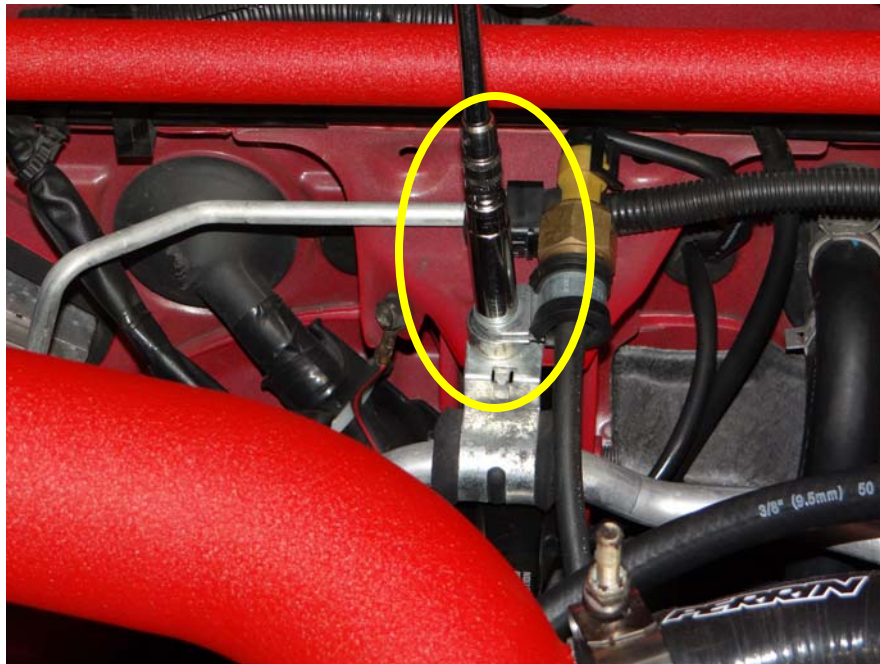
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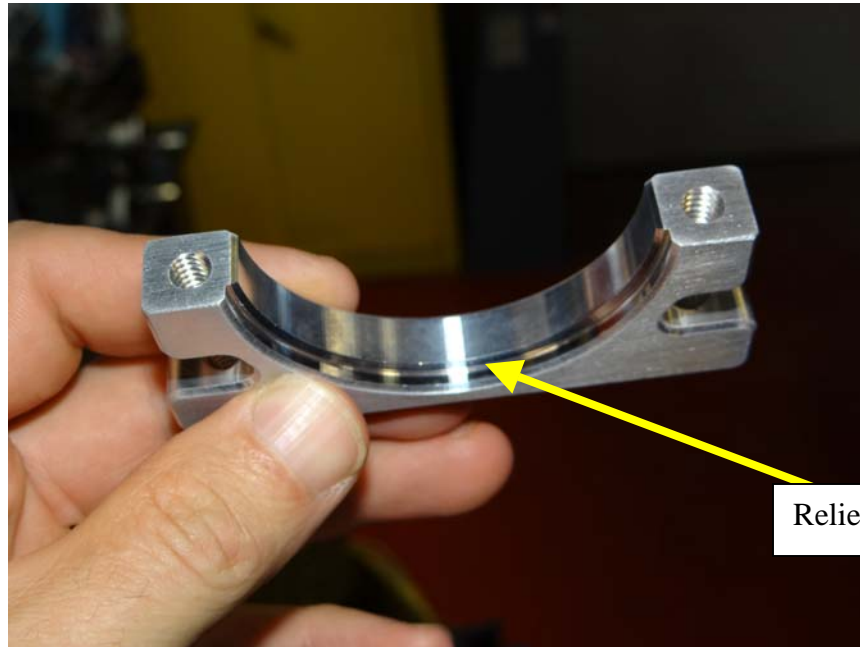
Step 32: Re-install all intercooler tubing and hoses previously removed.



Step 33: Locate and remove bolt securing A/C line to firewall.
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Step 34: Assemble billet saddle to stainless steel mounting bracket as shown using (4) 1/4-20 x 5/8 SHCS.

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Step 35: Assemble billet clamps to billet saddles using (4) 1/4-20x5/8 SHCS, do not tighten.



Step 36: Assemble one Air Oil Separator as shown using (2) 1/2" barbed fittings, apply Teflon tape to fittings.

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Step 36: Assemble second Air Oil Separator as shown using (2) 3/8" barbed fittings, apply Teflon tape to fittings.



Step 37: Insert Air Oil Separators into billet clamps as shown, position Air Oil Separator in clamp so the bottom can be unthreaded for oil removal.

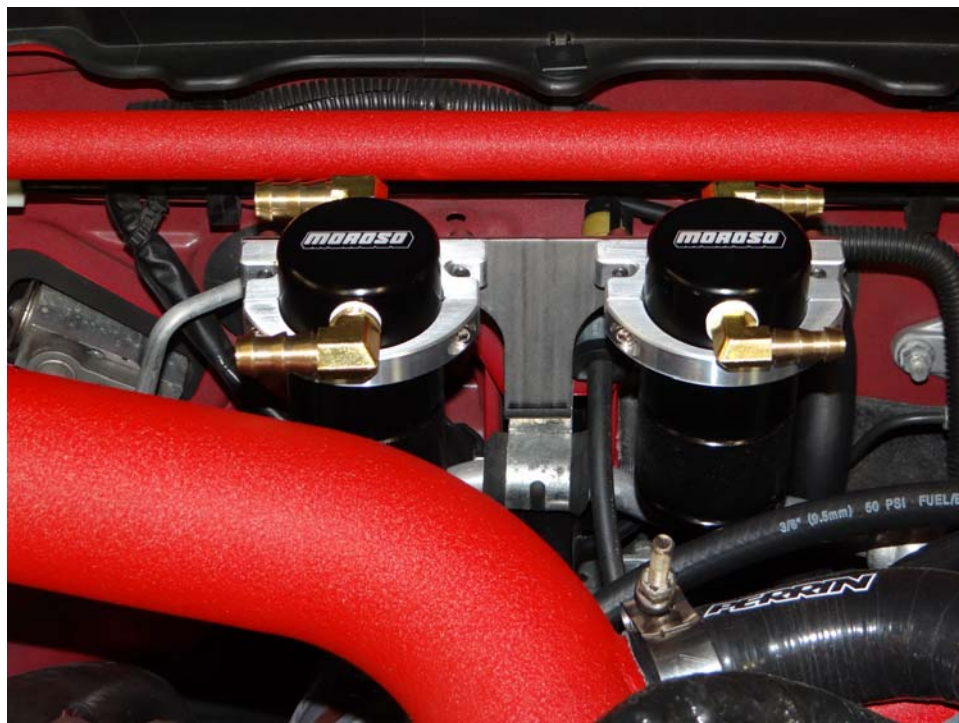
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Step 38: Install Air Oil Separator assembly using m6x30mm and flat washer to A/C line mounting point on firewall



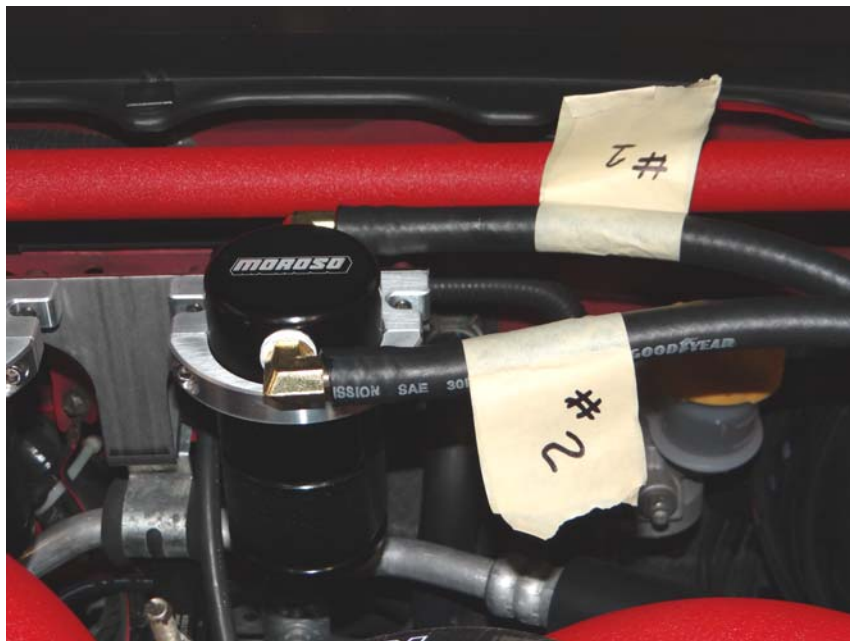
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Step 39: Install line #1 and line #2 to Air Oil Separator as shown.



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Step 40: Install line #3 and line #4 to Air Oil Separator as shown.



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Step 41: Make sure bottom of air Oil Separator can be unthreaded for oil removal.



Installation Complete

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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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