Parts List

(1) Air Oil Separator
(1) Billet Clamp
(1) Stainless Steel Mount
(1) Stainless Steel Tab
(1) 90 degree barbed fitting
(1) Straight Barbed Fitting
(2) 30” Long ½” I.D. Hose
(4) ¼ x 20 x 5/8 SHCS
(1) 6mm x 1.0mm x 20mm HHCS
(1) 6mm Flat Washer
(2) 8mm x 1.25mm x 20mm HHCS
(2) 8mm Flat Washer
(1) ¼ x 20 x 5/8
(1) ¼ x 20 Nylock Nut

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Step 1: Remove mass airflow sensor plug.

Step 2: Loosen air intake tube clamp.

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Step 3: Unscrew / Remove air box mounting hardware.

Step 4: Remove air box top from vehicle.

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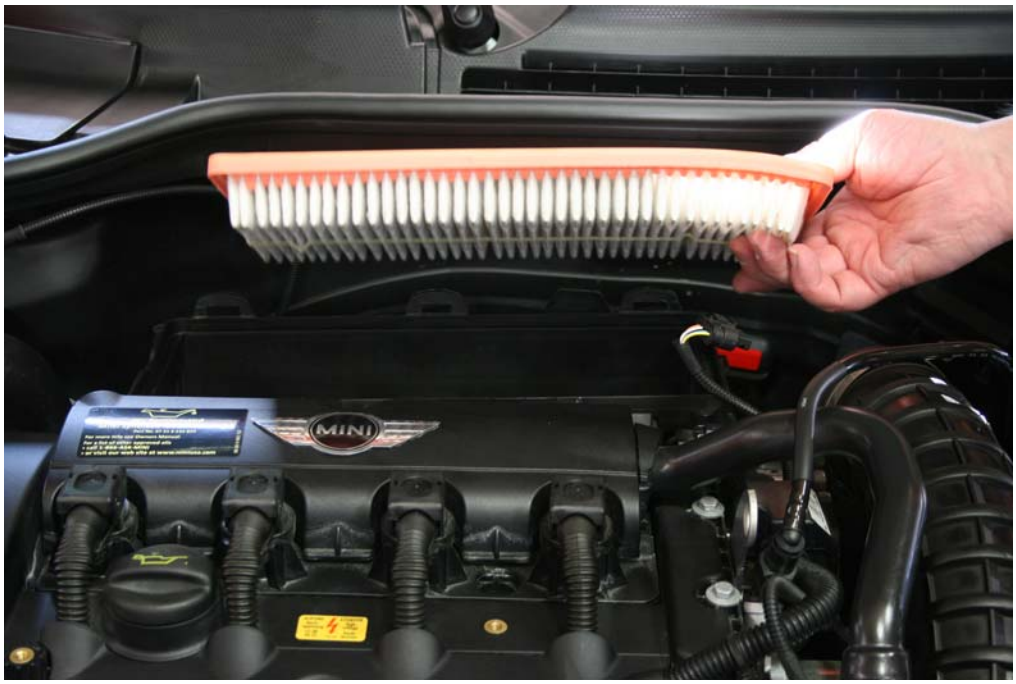

Step 5: Remove air filter.

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Step 6: Remove vacuum line from air intake tube as shown.

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Step 7: Remove PCV line from valve cover.

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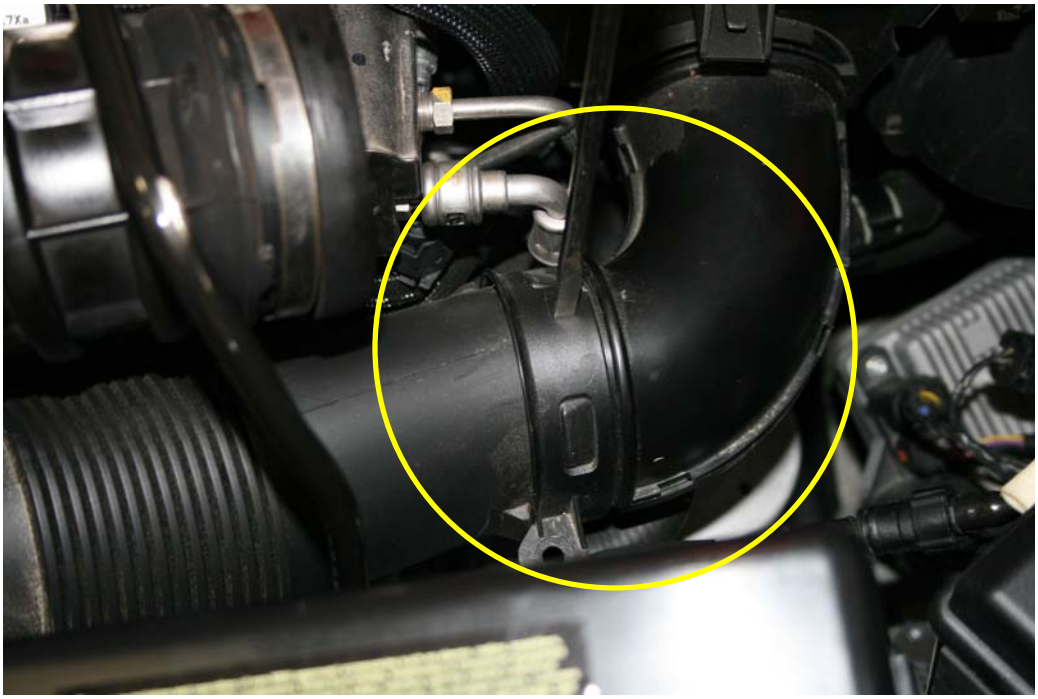
Step 8: Remove air box from vehicle as shown.



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Step 9: Remove by-pass valve from vehicle as shown.

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Step 10: Remove other end of PCV line located on throttle body.

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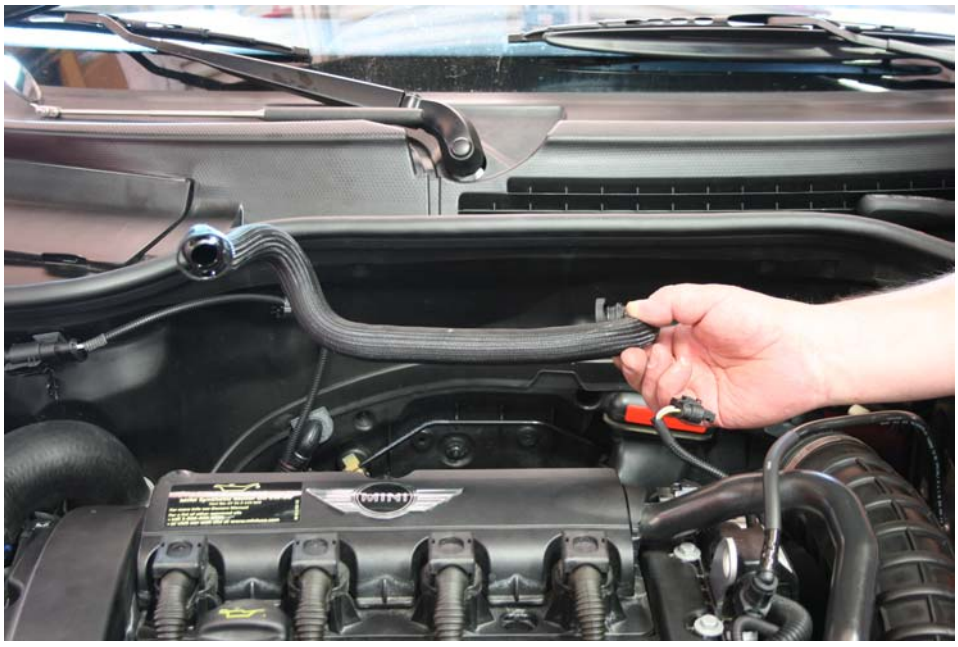

Step 11: Remove PCV line from vehicle.

Step 12: Cut outer wrapping from PCV line as shown.

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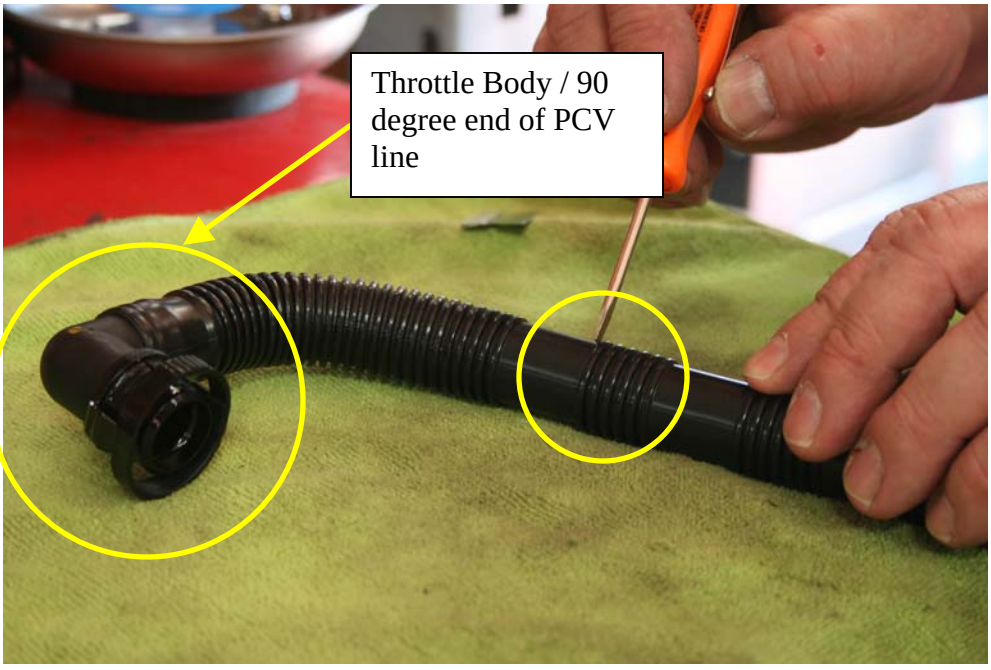

Step 13: Using a razor blade or utility knife cut as shown.

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Step 14: Insert ¾ x ½ coupling into throttle body / 90 degree side of PCV line. **PCV line will need to be gently warmed with a hair dryer or heat gun prior to inserting coupling.**

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Step 15: Twist fitting 180 degrees as shown.

Step 16: Insert ½ side of coupling into 30” length of ½ ID hose.

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Step 17: Cut valve cover end of PCV line as shown.

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Step 18: Insert ¾ x ½ coupling into valve cover side of PCV line. **PCV line will need to be gently warmed with a hair dryer or heat gun prior to inserting coupling.**

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Step 19: Insert ½ side of coupling into 2nd 30” length of ½ ID hose.

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Step 20: Using Fitting / hose assembly from step 16 (With 90 degree end) re-install fitting over throttle body nipple.

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Step 21: Route hose as shown.

Step 22: Re-install by-pass valve.

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Step 23: Using Fitting / hose assembly from step 19 (With straight end) re-install fitting over valve cover nipple.

Step 24: Route hose as shown and re-install air box.

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Step 25: Re-install air filter.

Step 26: Re-install air box top and mass airflow sensor plug.

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Step 27: Assemble 90 degree and straight barbed fittings into air oil separator using Teflon tape as shown.

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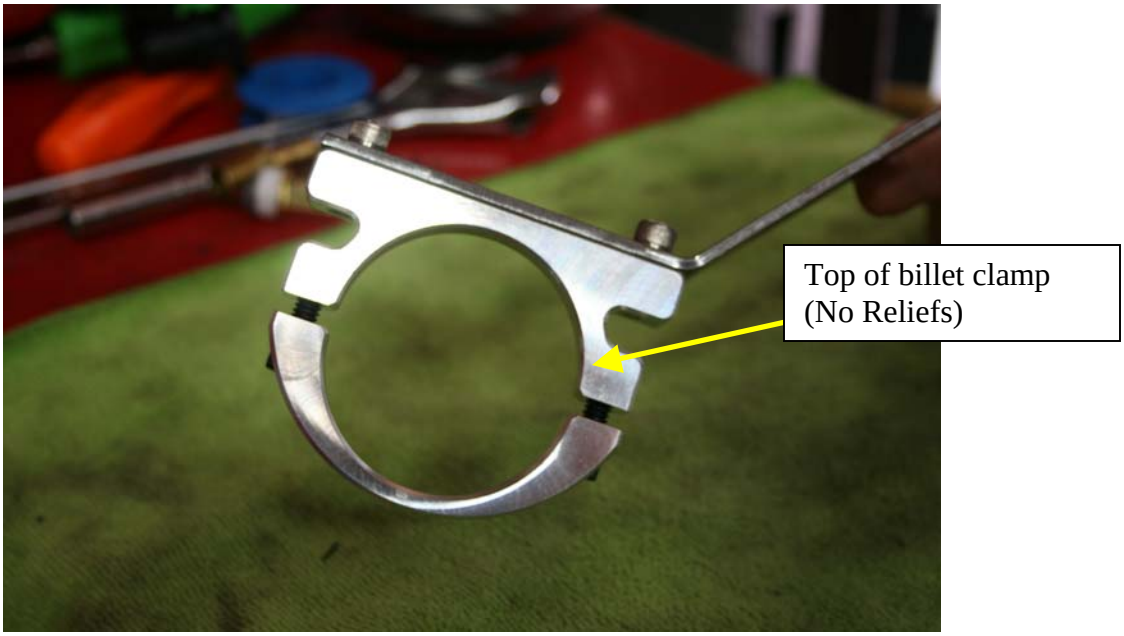
Step 28: Assemble billet clamp and billet clamp assembly to stainless mounting bracket, using (4) ¼ x 20 x 5/8 SHCS.



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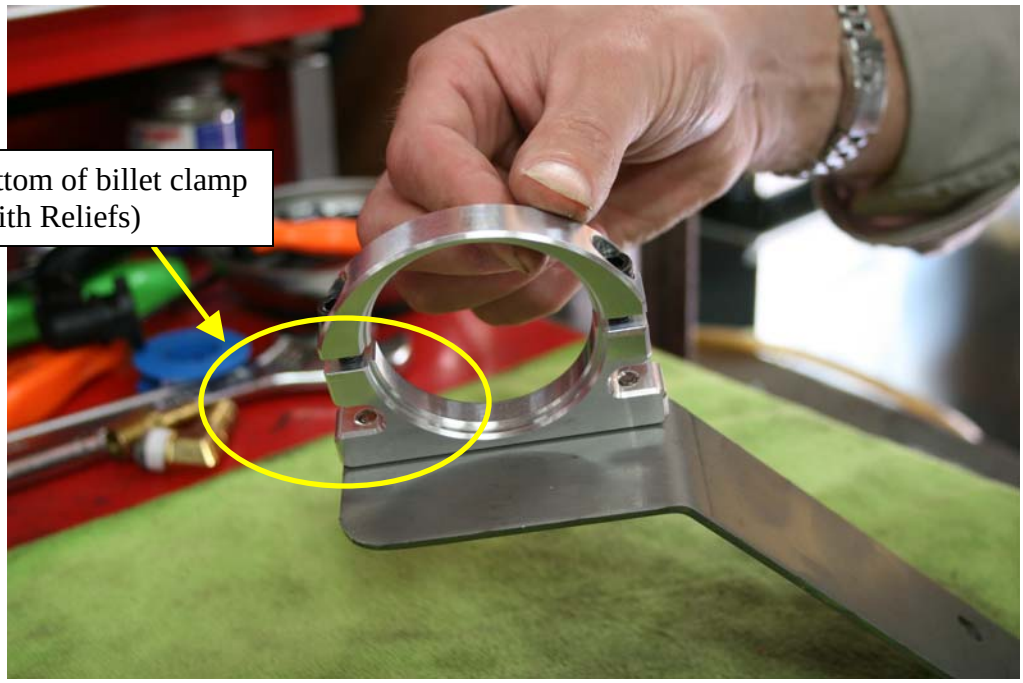

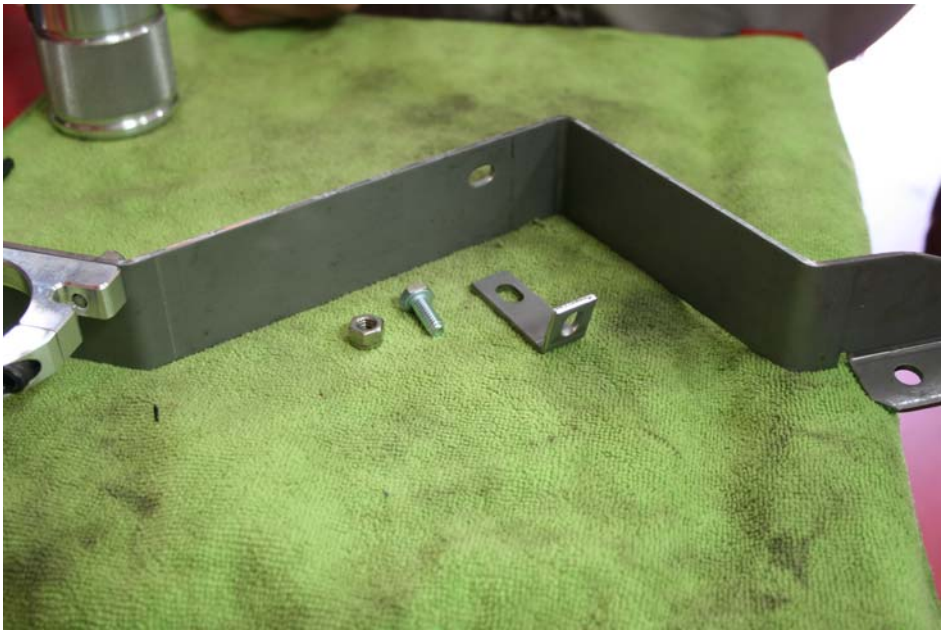

Step 29: Using ¼ x 20 x 5/8 HHCS and nylock nut assemble small mounting tab to stainless mount, do not tighten.

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Step 30: Remove (2) support bolts from strut tower

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Step 31: Remove fuse box mounting bolt.

Step 32: Install mounting bracket with (2) 8mm x 20mm HHCS and (1) 6mm x 20mm HHCS

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(Tighten strut tower support bolts before installing fuse box tab bolt)

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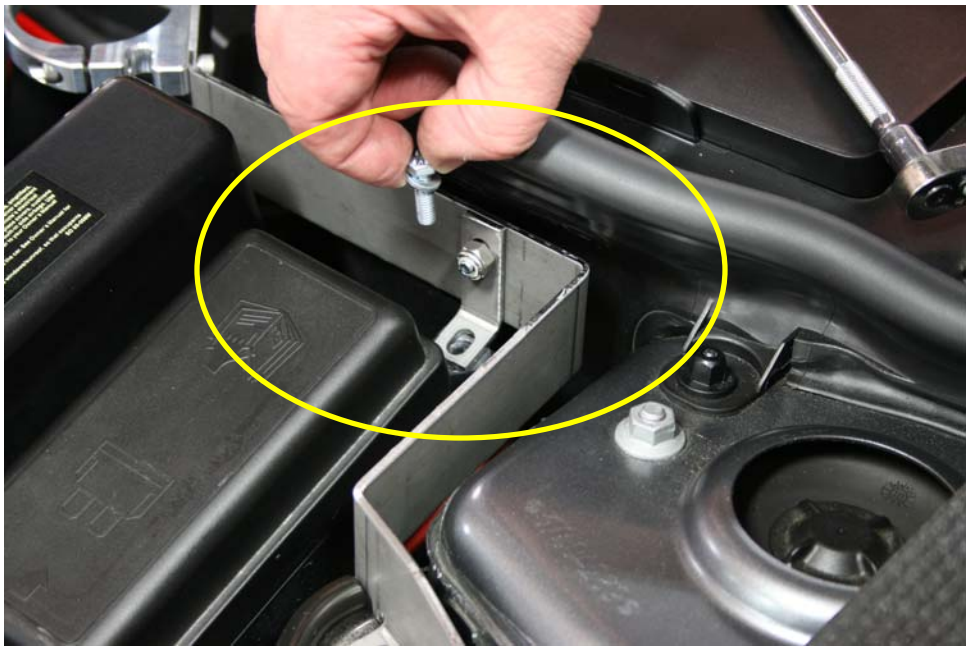

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Step 33: Tighten fuse box tab hardware.

Step 34: Install Air Oil Separator into billet clamp with 90 degree barb facing passenger side of vehicle.

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Step 35: Set Air Oil Separator in clamp 1” to 1 1/8” from top of billet clamp to top of air oil separator and tighten.

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Step 36: Route valve cover hose to Air Oil Separator and install hose over 90 degree barbed fitting.

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Step 37: Route throttle body hose to air oil separator and install hose over straight barbed fitting.

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Installation Complete

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To empty Air Oil Separator un-screw bottom cup, dump collected oil / fluids and re-install.

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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