



S&S 170-0303B, 170-0304B, 170-0305B, 170-0312B

Example shown is a 2016 Road Glide

Note: All parts supplied in kit may not be used in your specific application.

Parts List

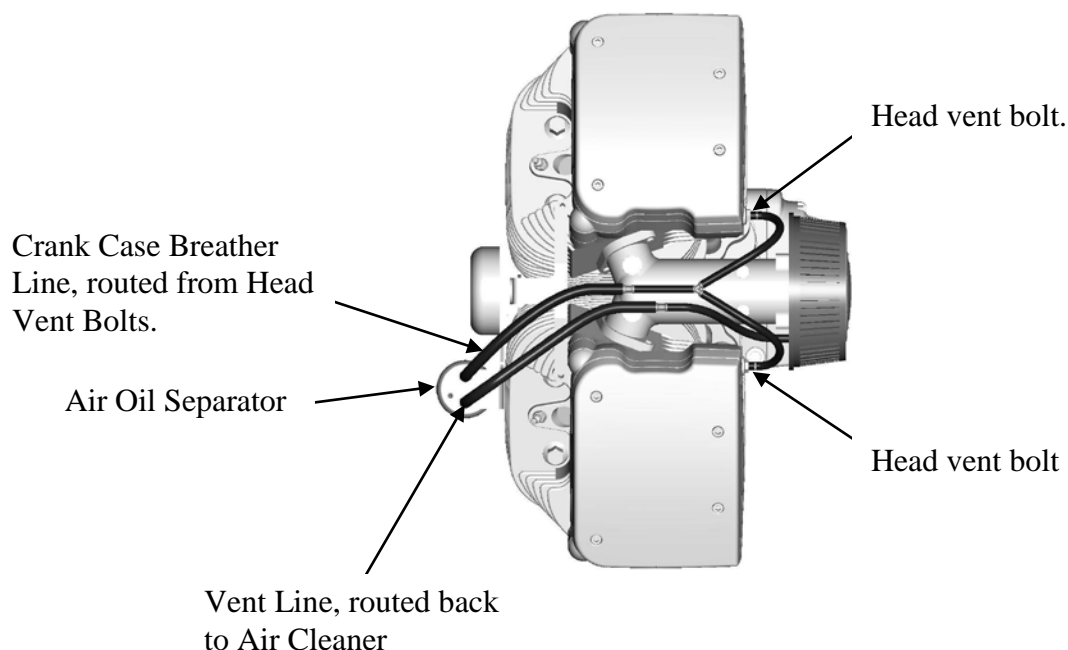
- (1) Air Oil Separator
- (1) Air Oil Separator Bracket
- (1) Length of 1/4" I.D. Hose
- (1) Length of 3/8" I.D. Hose
- (2) 1/4" Barbed x 1/8" NPT Fittings
- (1) 1/4" to 3/8" Couplings
- (1) 1/4" "Y"
- (2) 1/4-20x1/2" Pan Head Bolts
- (2) 1/4-20x1/2" Locking bolts

Torque Values

- Head Vent Bolts 22-24 ft-lbs
- Air Filter Bolts 108-132 in-lbs
- 1/4-20x1/2" Pan Head Bolts 108-132 in-lbs
- 1/4-20x1/2" Locking Bolts 33-55 in-lbs

Illustration below is a general overview of the routing of lines and assembly of Moroso Air Oil Separator System.

This instruction manual contains model specific examples. Follow your model specific instructions or use generic illustration for installation. In some applications it will be easier to install this kit with fuel tank removed but is not necessary. If fuel tank is going to be removed follow service manual instructions for removal and installation.



85719
85720
85721
10-31-19
Rev A

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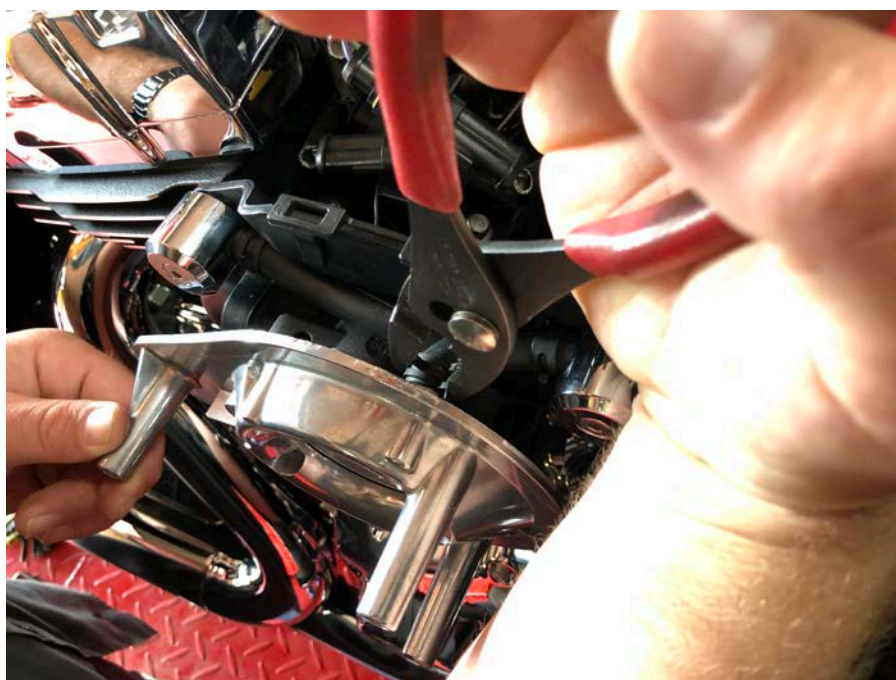
Step 1: Remove air cleaner cover and air cleaner.



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Step 2: Remove air pan.

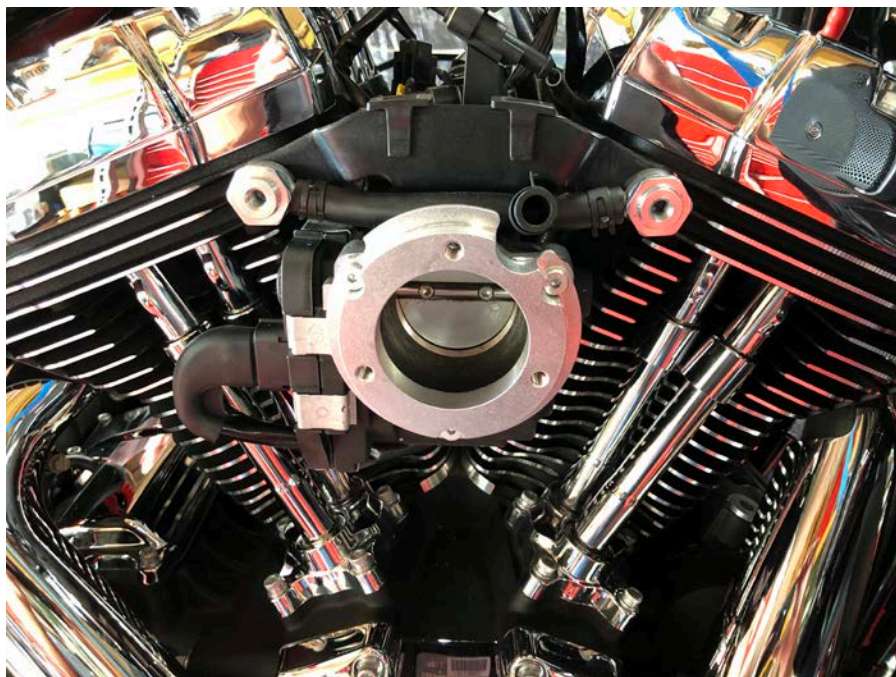


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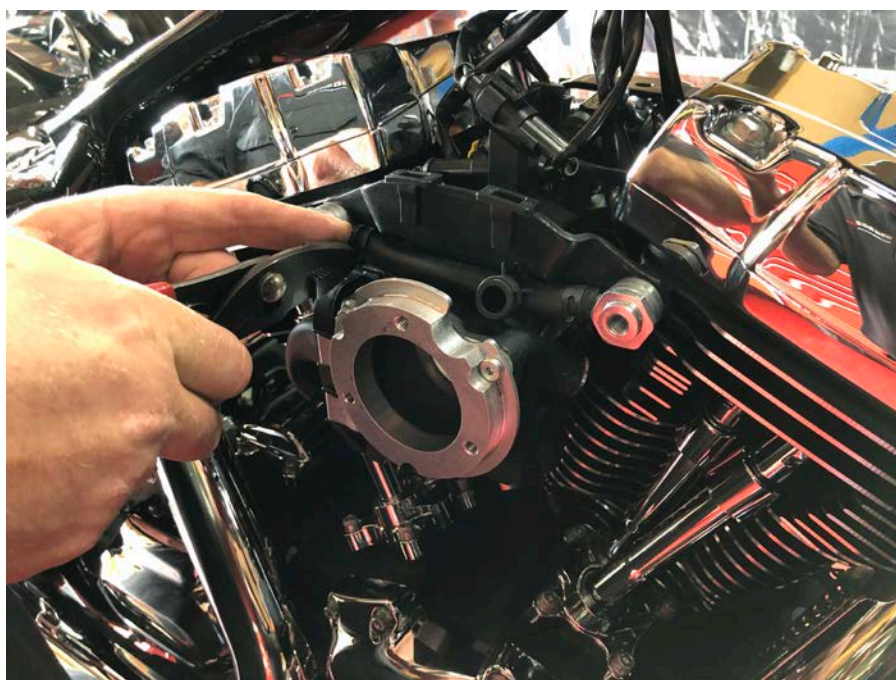


Step 3: Remove Head vent bolt covers.

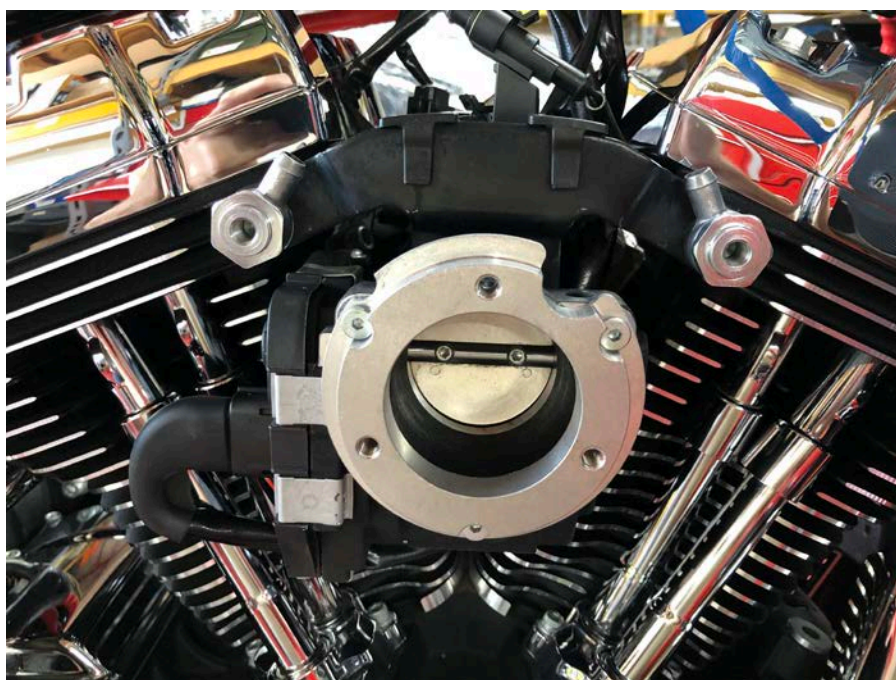
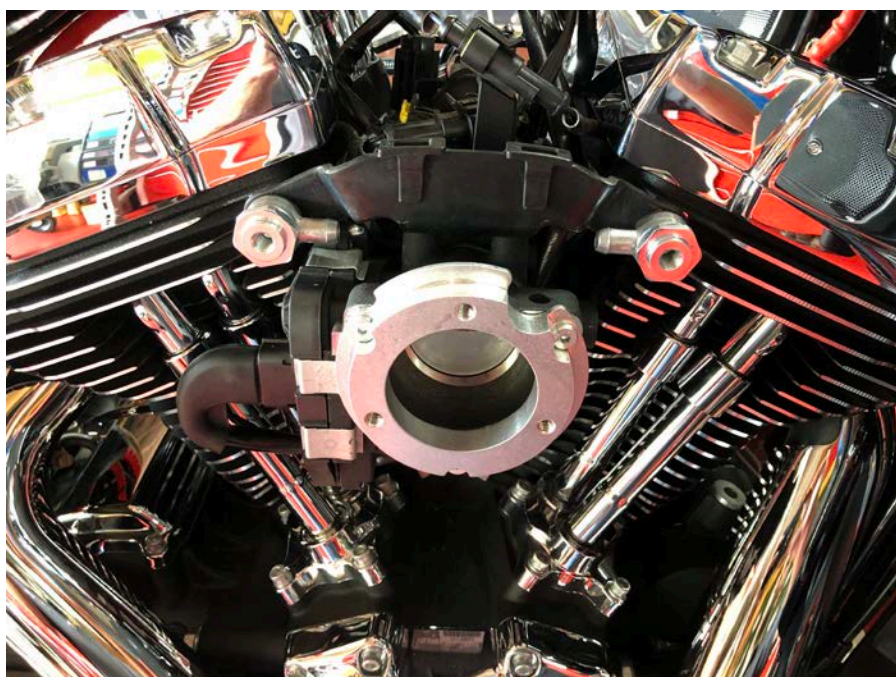
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Step 4: Remove breather line.

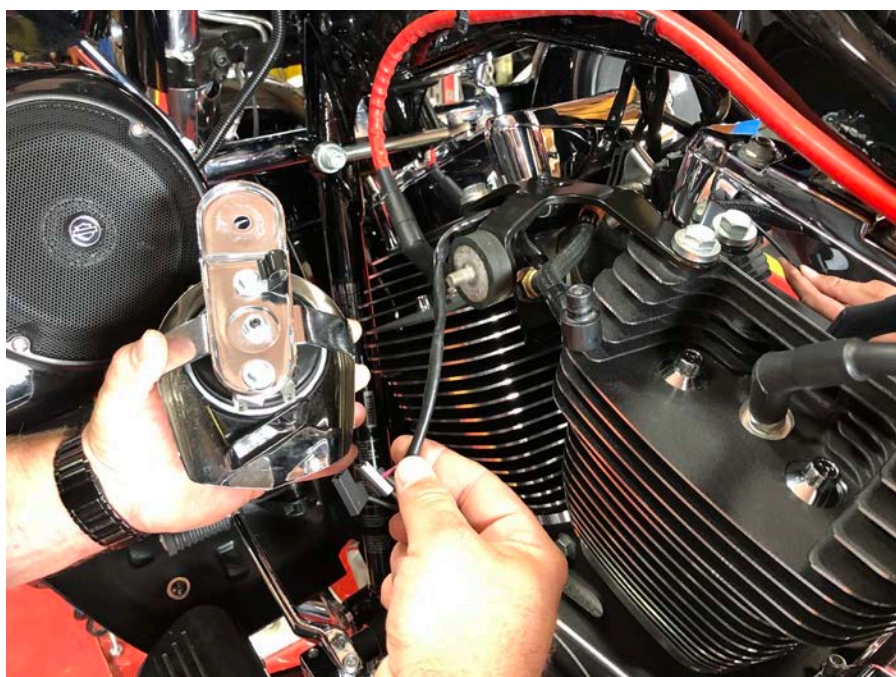


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Step 5: Loosen banjo bolts and point in a upward direction.

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Step 6: Remove horn from motorcycle.



Step 7: Assemble Air Oil Separator to Bracket using (2) 1/4-20x1/2 pan head bolts. Install (2) 1/4" barbed x 1/8" NPT fittings.

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Step 8: Remove horn from horn bracket and assemble Air Oil Separator between horn and bracket using (2) 1/4-20x1/2 locking bolts provided in kit.

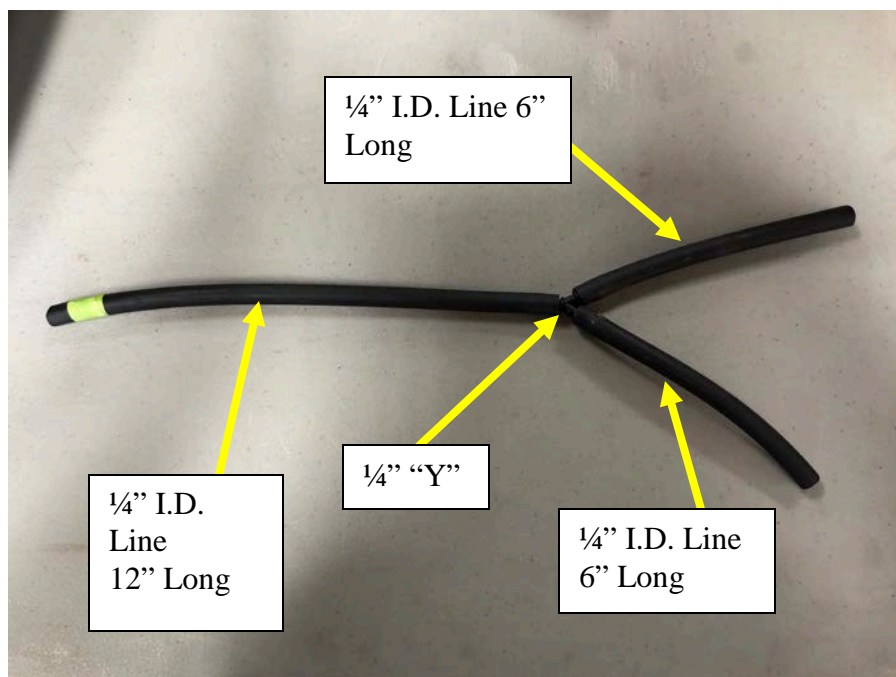


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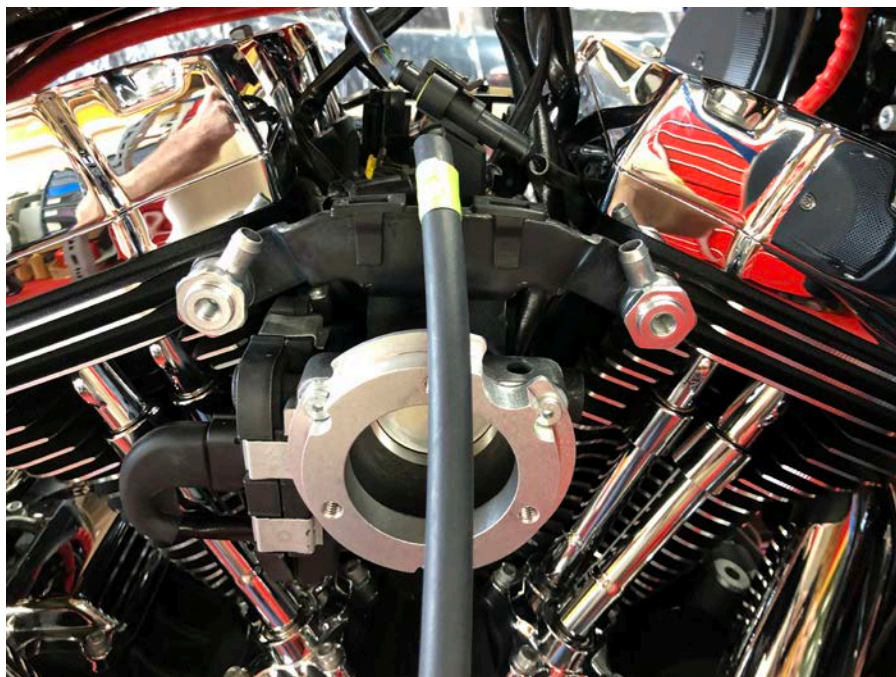


Step 9: Re-assemble horn to motorcycle.

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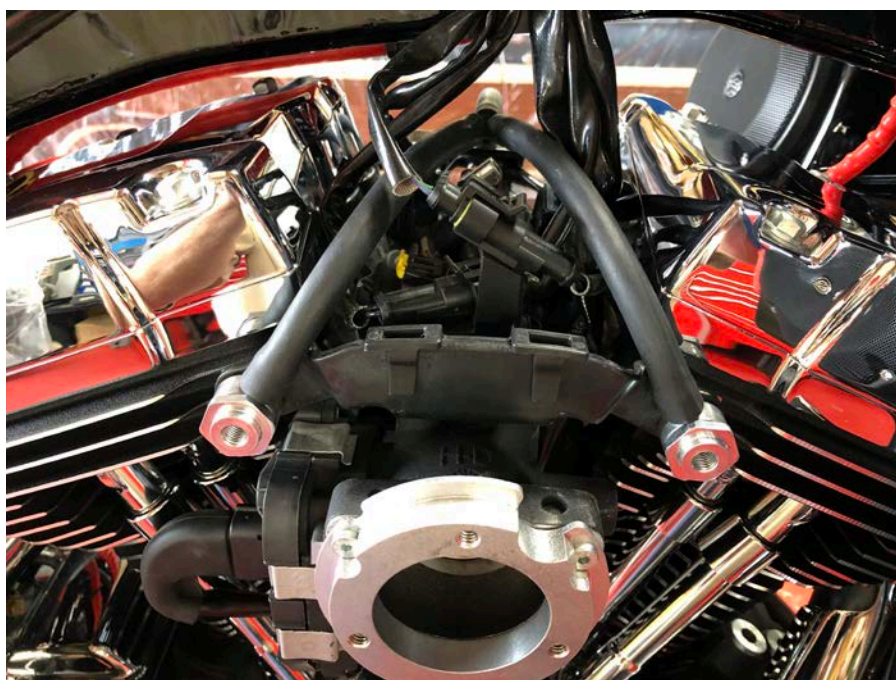
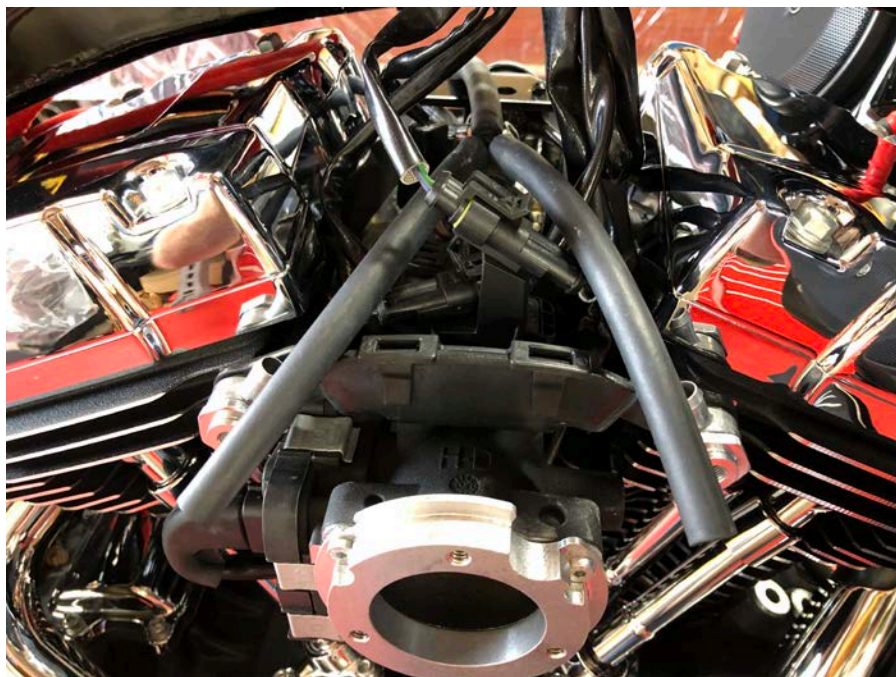


Step 10: Using 1/4" I.D. line provided in kit cut (1) pc 12" long and (2) pcs 6" long. Assemble as shown and apply masking tape to end of line as shown for future reference.



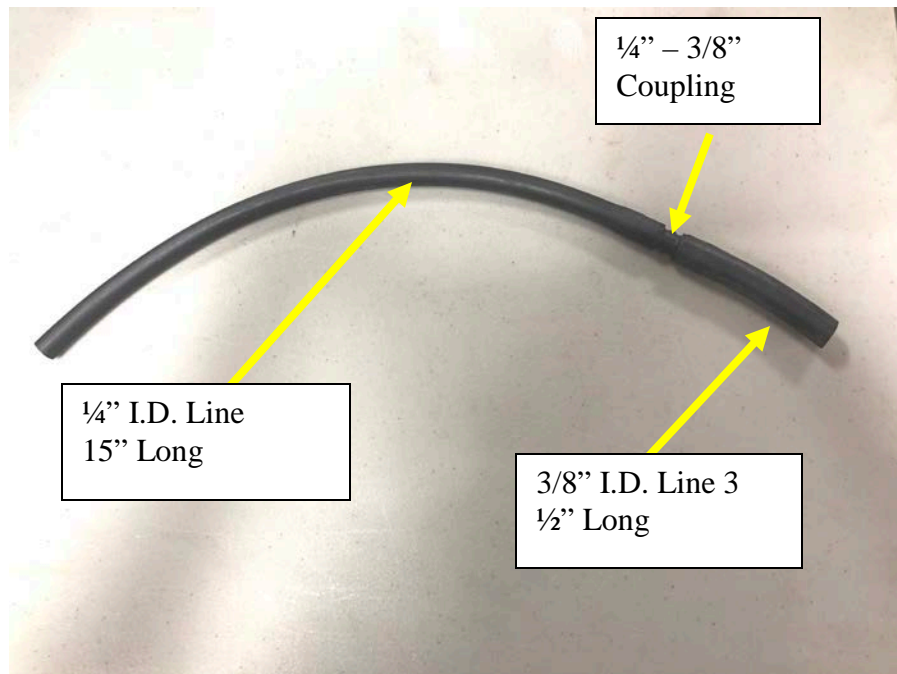
Step 11: Route line from right side of motorcycle to left side as shown.

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Step 12: Connect lines to barbed fittings as shown and tighten banjo bolts.

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Step 13: Cut (1) pc of 1/4" I.D. line 15" long and (1) pc of 3/8" I.D. line 3 1/2" long and assemble with 1/4" -3/8" coupling.



Step 14: Install 3/8" end of line to air pan barb as shown.

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Step 15: Route other end of line just installed to air under bracket as shown and over to left side of motorcycle.



Step 16: Re-install air pan.

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Step 17: Re-install head vent bolts covers, air filter and air filter cover.



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Step 18: Trim crank case vent line (line with masking tape identifier) as needed and install to forward barbed fitting.



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Step 19: Trim return line as needed and install to rear barbed fitting.

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To drain Air Oil Separator unscrew bottom of Air Oil Separator

Draining of Air Oil Separator is needed; this will depend on riding conditions (i.e.) normal day to day riding check every 200 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 days vs. hot days). For track usage Air Oil Separator will need to be drained after every outing.

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