



CP Single Chamber (V2) Air/Oil Separator Kit

08-14 WRX; 05-09 LGT*; 07-14 FXT; 07-09 OXT* with TMIC or FMIC and OEM Turbo Location

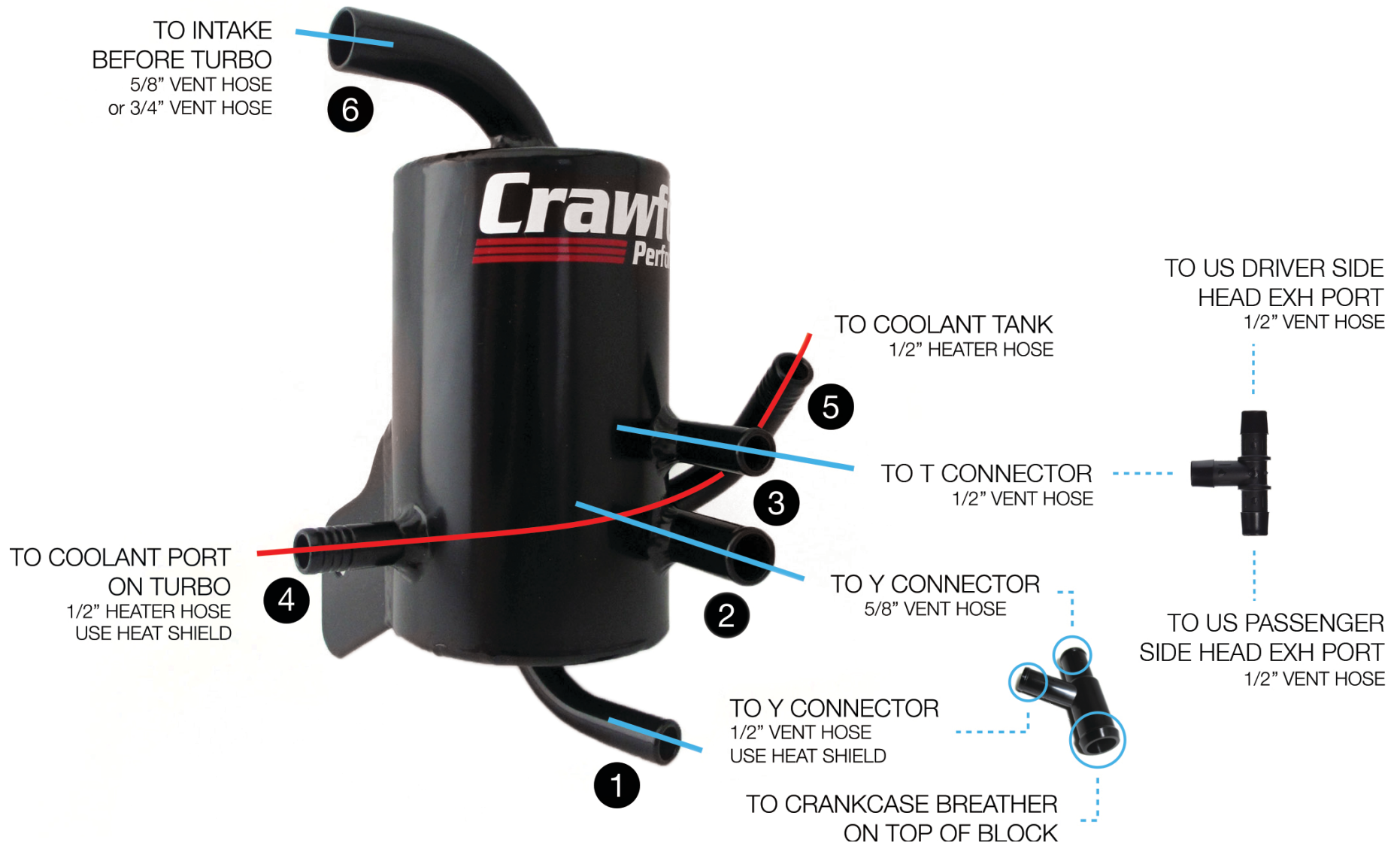
S0718 Parts List

Item #	Qty	Description
S0709-1	1	V2 Air/Oil Separator Unit for 08+ WRX with TMIC
F0416	1	1/2" PVC "T" Fitting
F0365	1	Crank Case Breather Connector "Y"
H0478	29"	1/2" Ventilation Hose: from side of T fitting to LH (Drivers Side) Head
H0478	11"	1/2" Ventilation Hose: from side of T fitting to RH (Passengers Side) Head
H0478	10"	1/2" Ventilation Hose: from Port #3 to bottom of T fitting
H0478	27"	1/2" Ventilation Hose: from port #1 to side of Y fitting
H0479	24"	5/8" Ventilation Hose: from port #6 to Intake
H0479	18"	5/8" Ventilation Hose: from port #2 to top of Y Fitting
H0480	17"	1/2" Heater Hose: from port #4 to Expansion/Coolant Tank
H0480	19"	1/2" Heater Hose: from port #5 to Turbo
H0521	2"	3/4" Ventilation Hose for Crankcase Breather
C1049	1	1/2" Rubber Cap
P0659	1	1/4" Steel Pipe Plug
C0265	16	S/S Worm Clamps for Hoses
S0777-5	20"	Fire Sleeve for 27" Ventilation Hose
S0777-4	16"	Fire Sleeve for 18" Ventilation Hose
S0777-3	14"	Fire Sleeve for 17" Heater Hose
B2035	2	AOS Mounting Bolts
Z0108	2	8" Zip Ties



***If installing on a Legacy or Outback, contact us with proof of purchase for a mounting extension bracket.**

We recommend your AOS be installed by a professional.



1. Mount the AOS to the US passenger side shock tower (see photo). If the AOS interferes with your FMIC piping, use the supplied spacer to mount the AOS closer to the fire wall. Make sure the AOS is as vertically straight as possible.



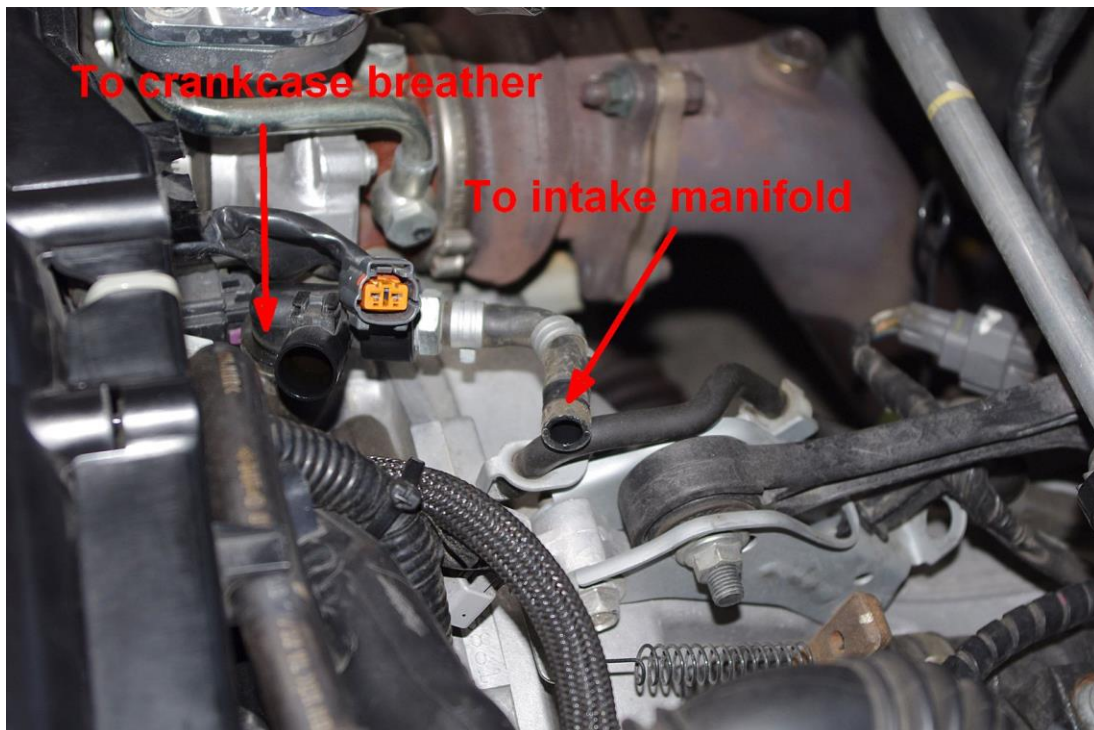
2. Unplug the plug from the white breather piece located behind the intake manifold.



3. Unclip the grey plug from the top/back of the black breather piece.



4. Remove the black breather piece from the crankcase breather hose, and remove the smaller black hose from the intake manifold.



5. Remove the white breather piece from the hose running to the passenger side of the intake, and plug it back into the grey plug. This piece will be a dangler, and can be stowed away after the install is complete.



6. Remove the curved rubber hose that runs from the white breather piece to the passenger side of the intake. Here is a photo of it next to the white breather piece for reference (the cap on the breather piece is NOT used)



7. Remove the metal plate from intake manifold (2x10mm), where the hose from the black breather piece was connected. Remove the metal plug (19mm), and replace with supplied ¼" pipe plug.



8. Screw the supplied ¼" pipe plug in to the silver metal fitting and replace on the manifold (we lock-tite to keep it secure)



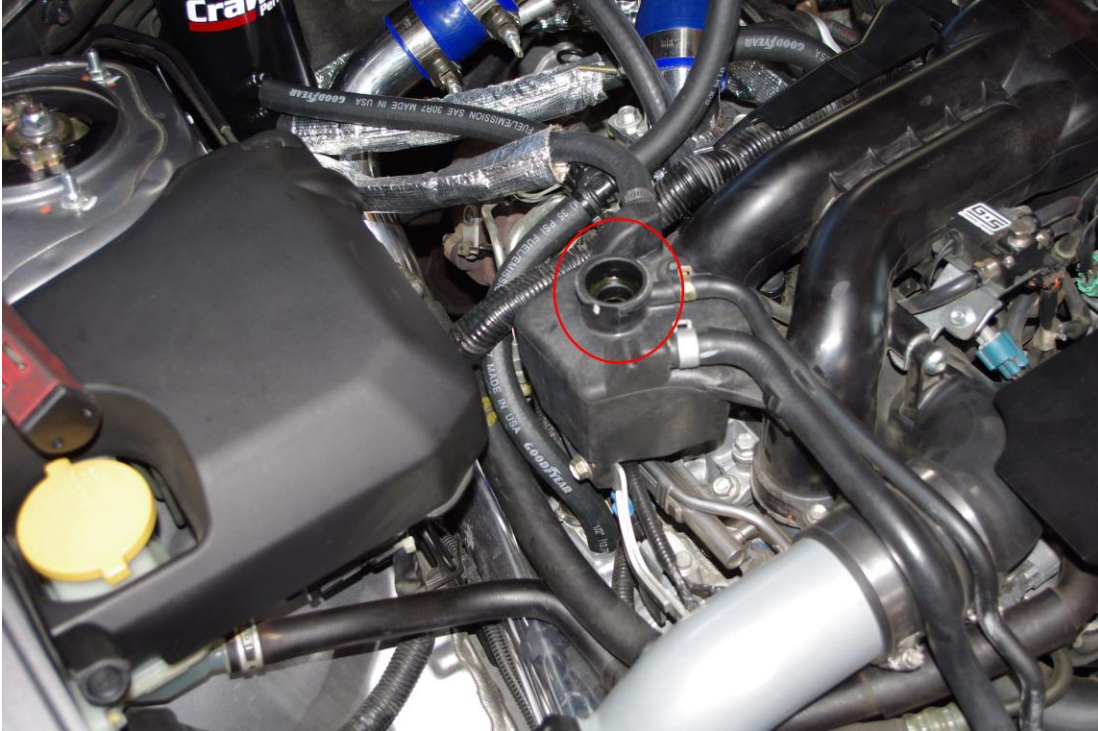
9. Insert the "Y" fitting into the crankcase breather



10. Cover the 22" long, 1/2" wide hose with the 20" fire sleeve. Then route the hose from the very bottom port of the AOS to the bottom of the crankcase breather "Y". Zip tie both ends to secure the hose.



11. Once the car is cool, remove the cap from the coolant expansion tank. You can pinch the lower line running from the expansion tank to the turbo so the coolant doesn't spill. If you lose any coolant, just top it off when finished.



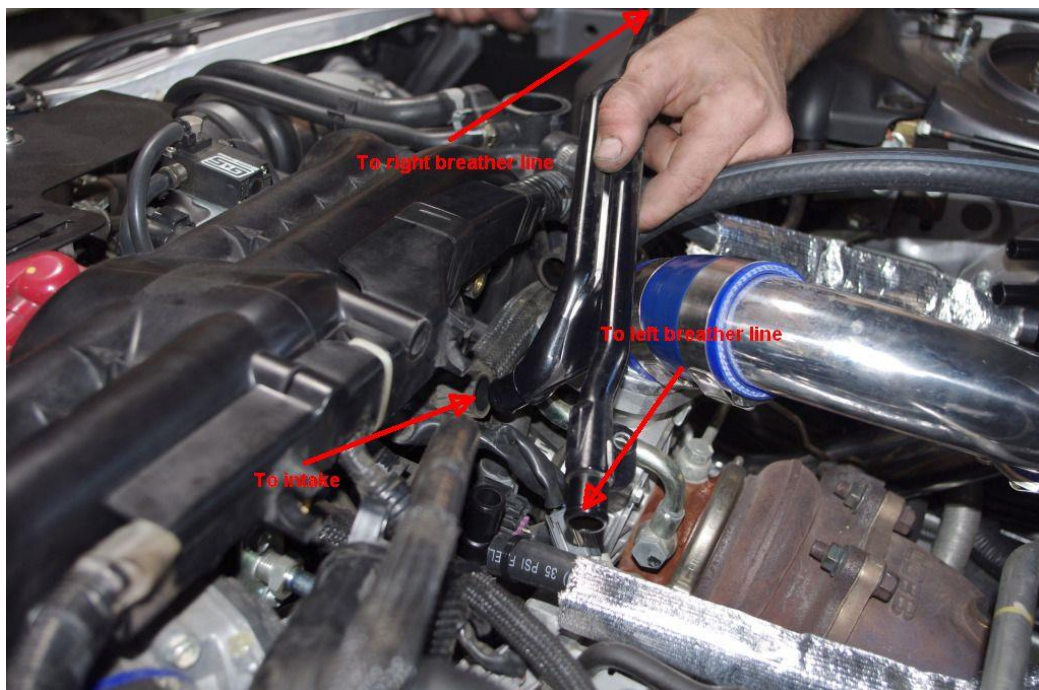
12. Remove the upper coolant line that runs from the expansion tank to the turbo.



13. Cover the 13.5" heater hose with the 10" fire sleeve, and route it from the front coolant flange on AOS (bottom third port with ribbed edge) to expansion tank. Use supplied clamps to secure.



14. Route the 19" heater hose from the rear coolant port on the AOS (rear angled tube with ribs) to the upper turbo coolant line. Use the supplied clamps to secure (see photo above)
15. Remove breather hard line that runs along the back of the intake manifold - Remove the two 10mm bolts, 4" rubber tube from intake, and breather lines at each end.



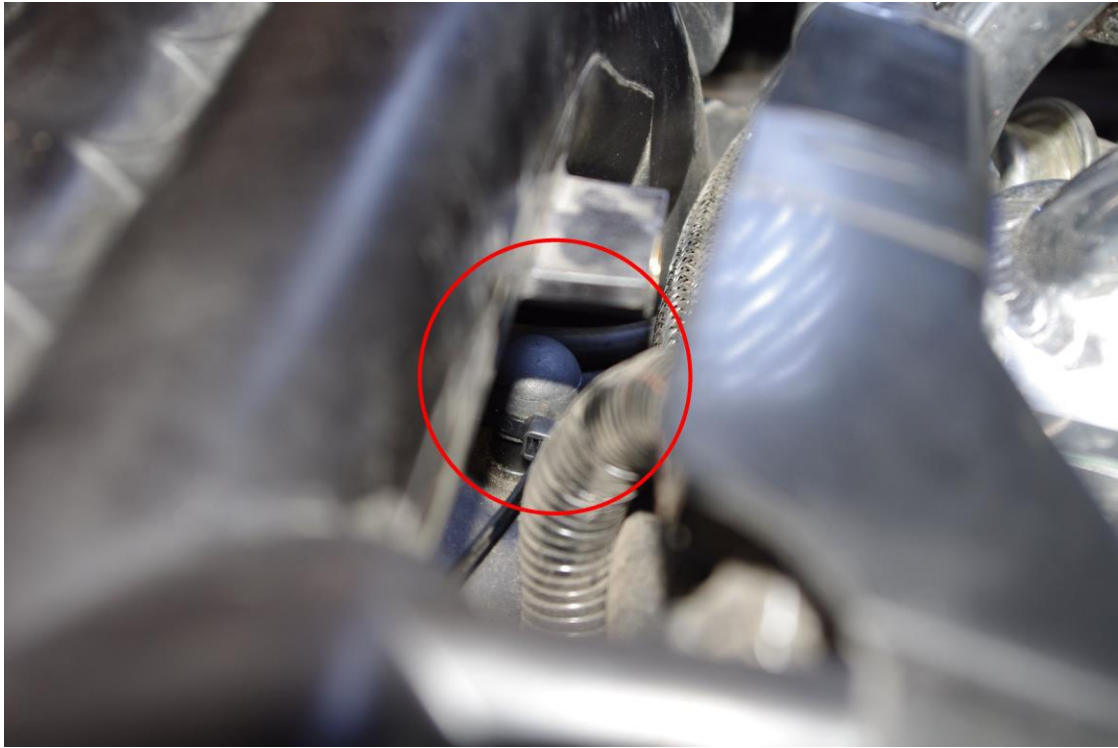
16. Remove the front breather lines (lines closest to the front of the car) from the left and right heads.



17. Remove the 4" hose that runs from the breather hard line to the driver's side of the intake



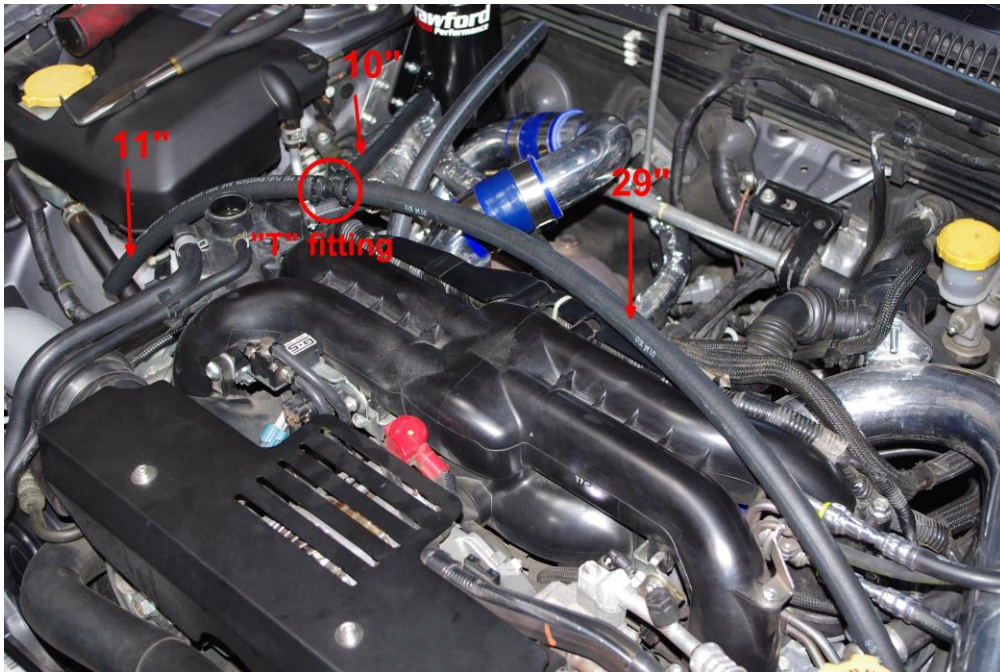
18. Use supplied rubber cap to seal the plastic port on the passenger side of the intake, and zip tie to secure. Large needle nose pliers will make this a bit easier.



19. Cover the 5/8" thick, 18" long hose with the 10" fire sleeve, and route from the middle port on the AOS to the top of the crankcase breather "Y".



20. Connect the 10" long, 1/2" wide hose from the upper side port of the AOS to the "T" fitting (if you were to look at the "T" like a letter, it would be the bottom line pointing down). Zip tie both ends to secure (see picture below).
21. Connect the 11" long, 1/2" wide hose from the right head (US passenger side) to the "T" fitting. Zip tie both ends to secure (see picture below).
22. Connect the 29" long, 1/2" wide hose from the left head (US drivers side) to the "T" fitting. Zip tie both ends to secure. In the photo, the hose resting on top of the manifold for reference. You can move and locate this where you prefer.



23. Route the 24" long, 5/8" thick hose from the very top of the AOS to the port on the driver's side of the intake (reference step 17 for location). Zip tie to secure.



Here are a couple completed install photos for reference:

