



## CP Single Chamber (V2) Air/Oil Separator Kit 2002 - 2007 WRX/STi with Front Mount Intercooler

### S0715-1 Parts List

Item #	Qty	Description
S0706-1	1	V2 Air/Oil Separator Unit for 02-07 WRX/STi with FMIC
F0416	1	1/2" PVC "T" Fitting
F0365	1	Crank Case Breather Connector "Y"
H0478	26"	1/2" Ventilation Hose: from side of T fitting to LH (Driver Side) Cylinder Head
H0478	14"	1/2" Ventilation Hose: from side of T fitting to RH (Passenger Side) Cylinder Head
H0478	12"	1/2" Ventilation Hose: from port #3 to bottom of T fitting
H0478	9"	1/2" Ventilation Hose: from port #1 to side of Y connector
H0521	36"	3/4" Ventilation Hose: to port #6
H0479	10"	5/8" Ventilation Hose: to port #2
H0480	24"	1/2" Heater Hose: from port #4
H0480	14"	1/2" Heater Hose: to port #5
C1049	1	1/2" Rubber Cap
P0659	1	1/4" Steel Pipe Plug
C0265	14	S/S Worm Clamps for 1/2" and 5/8" Hoses
C0266	2	S/S Worm Clamps for 3/4" Hose
S0777-6	22"	Fire Sleeve for 26" Ventilation Hose
Z0108	2	8" Zip Ties



**We recommend your AOS be installed by a professional.**

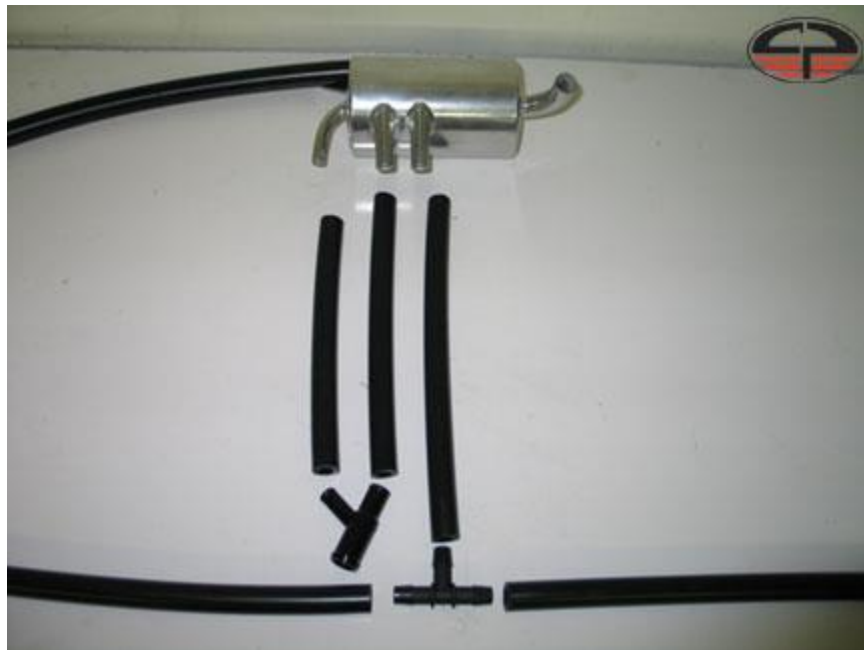
**For step by step instructions, visit <https://crawfordperformance.com/pages/air-oil-separator-installation-instructions>**



Overview picture of the air / oil separator location, hoses and mounting point



Below: Layout for accompanying parts, including One "T" fitting, One "Y" crank case breather vent, and six hoses. The last two hoses are explained at the end.



## Installing the Air / Oil Separator



Above is the basic layout of the hoses and connectors. Note the “Y” connects to the crank case breather. The large 3/4" hose connects to the top of the Crawford Air /Oil Separator and routes over the to intake pipe.

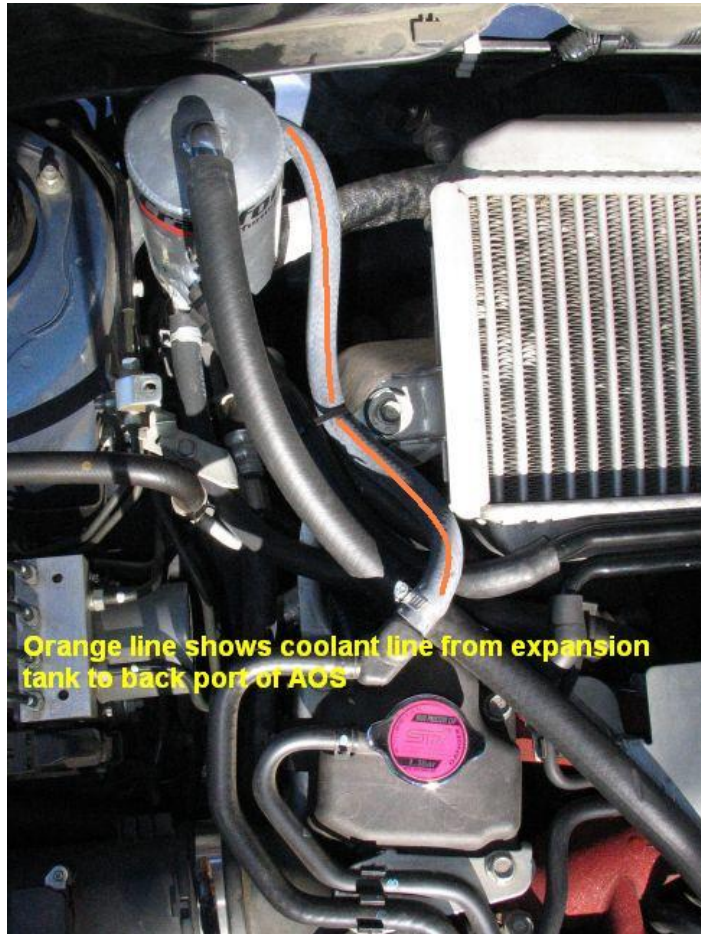
- Replace the factory vent breather “Y” with the one Crawford provides. If your car has an electronic sensor connected to the stock breather, LEAVE it connected and move the breather to another location and let it sit on top of the block. This will prevent a CEL from coming on.
- Cap the PVC bypass (located under the throttle body). Some people weld the check valve and others use a threaded stopper.
- The top inlet hole on the side of the separator T-s to the engine breathers on the heads. -
- The middle inlet hole connects to the top of the crank case breather “Y”.
- The bottom of the separator drains the oil back into the side of the crank case breather “Y”.



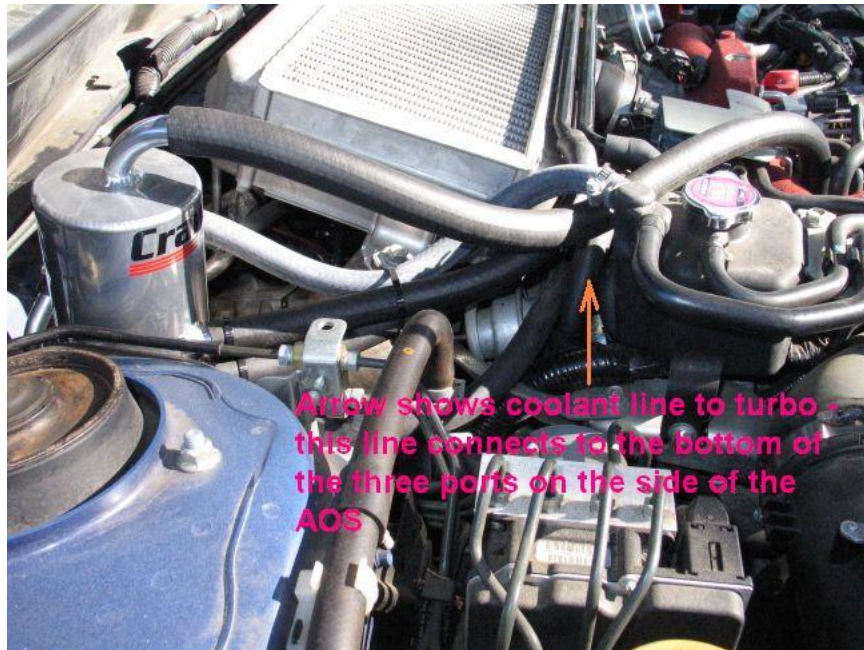
On the passenger side head, connect the hose for the air/oil separator on the front exhaust port of the head, closest to the AVCS controller.



On the driver's side head, connect the hose for the air/oil separator on the front exhaust port of the head, closest to the AVCS controller. Both sides of the head will connect to the "T" and that connects to the top inlet hole on the Air/Oil Separator.



Orange line shows coolant line from expansion tank to back port of AOS



Arrow shows coolant line to turbo - this line connects to the bottom of the three ports on the side of the AOS

Take the 24" heater hose and run it from the turbo coolant line to the right side (US passenger side) of the AOS (third port with ridges). Use the supplied clamps to secure in place,

Take the other 14" heater hose, and run it from the expansion tank to the other port with ridges on the AOS. Use the supplied clamps to secure in place.