








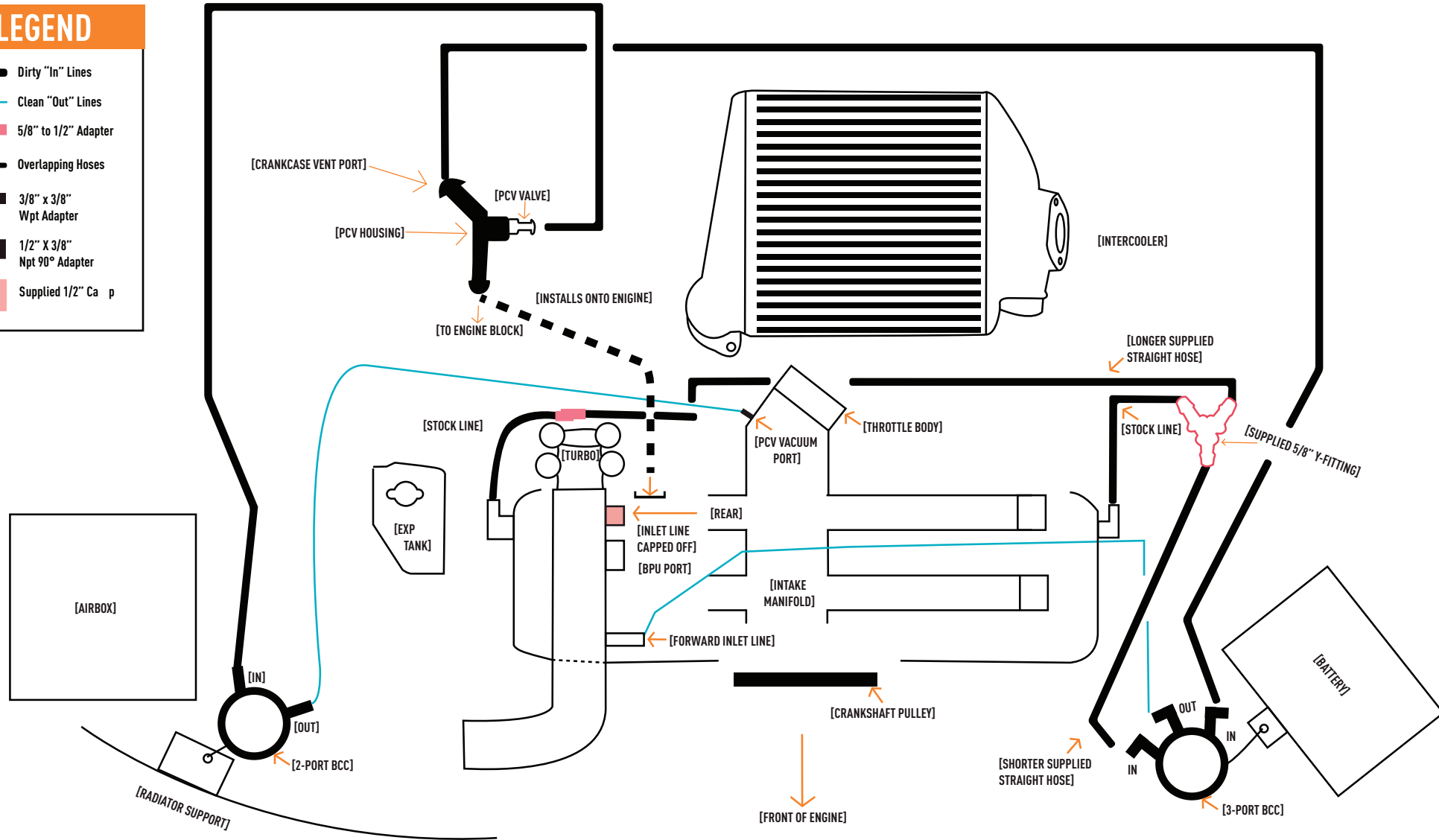
SUBARU WRX BAFFLED OIL CATCH CAN SYSTEM, 2008-2014

INSTALLATION DIAGRAM

*This install diagram is strictly for the Subaru WRX, routing is different for STI. Please refer to STI diagram for details.

LEGEND

-  Dirty "In" Lines
-  Clean "Out" Lines
-  5/8" to 1/2" Adapter
-  Overlapping Hoses
-  3/8" x 3/8" Wpt Adapter
-  1/2" x 3/8" Npt 90° Adapter
-  Supplied 1/2" Cap



SUBARU STI BAFFLED OIL CATCH CAN SYSTEM, 2008-2014

INSTALLATION DIAGRAM

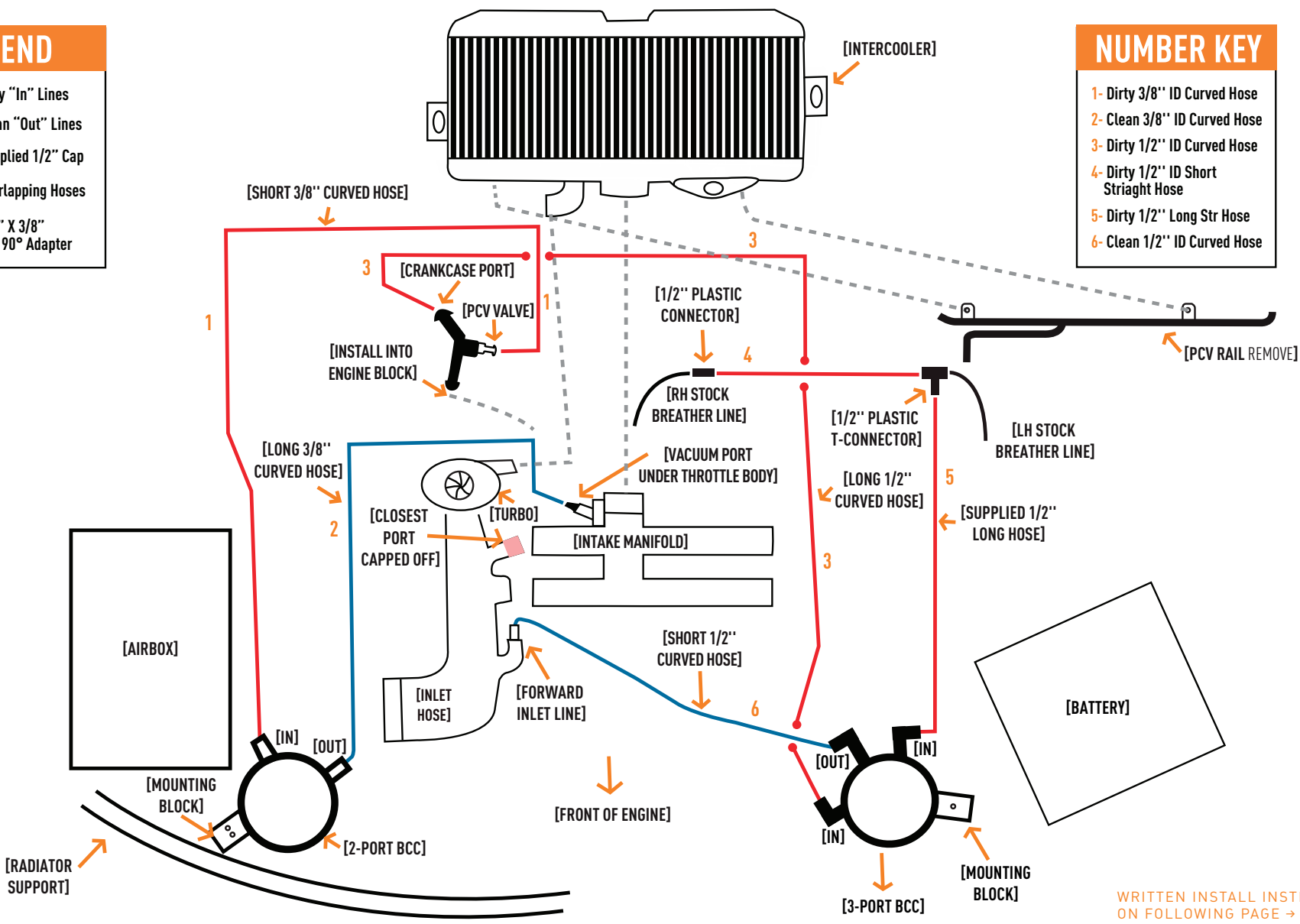
*This install diagram is strictly for the Subaru STI, routing is different for WRX. Please refer to WRX diagram for details.

LEGEND

- Dirty "In" Lines
- Clean "Out" Lines
- Supplied 1/2" Cap
-  Overlapping Hoses
-  1/2" X 3/8" Npt 90° Adapter

NUMBER KEY

- 1- Dirty 3/8" ID Curved Hose
- 2- Clean 3/8" ID Curved Hose
- 3- Dirty 1/2" ID Curved Hose
- 4- Dirty 1/2" ID Short Striaight Hose
- 5- Dirty 1/2" Long Str Hose
- 6- Clean 1/2" ID Curved Hose



WRITTEN INSTALL INSTRUCTIONS ON FOLLOWING PAGE →

SUBARU WRX BAFFLED OIL CATCH CAN SYSTEM, 2008-2014

PARTS LIST AND INSTALLATION GUIDE

PARTS LIST

- 2PC| APPLICATION-SPECIFIC MOUNTING BRACKETS
- 1PC| CNC-MACHINED MOUNTING BLOCK
- 1PC| BLACK, ANODIZED 6061 ALUMINUM TWO-PORT CATCH CAN
- 1PC| BLACK, ANODIZED 6061 ALUMINUM THREE-PORT CATCH CAN
- 6PC| BLACK EPDM HOSES
- 3PC| PLASTIC 1/2" 90 DEGREE BARBED FITTINGS
- 2PC| PLASTIC 3/8" BARBED FITTINGS
- 1PC| PLASTIC 5/8" Y FITTING
- 2PC| PLASTIC 5/8"-1/2" ADAPTER FITTINGS
- 12PC| WORM-GEAR CLAMPS
- 2PC| BRONZE FILTERS
- 2PC| AIR DIVERTERS
- 2PC| INTERNAL BAFFLES AND RODS
- 2PC| 3/8" NPT PLUGS
- 2PC| LARGE O-RINGS
- 1PC| SILICONE CAP FOR TURBO INLET

MOUNTING HARDWARE

TOOLS NEEDED

2.5MM ALLEN KEY	3/8" DRIVE RATCHET
5MM ALLEN KEY	11/16" WRENCH
10MM DEEP SOCKET	NEEDLENOSE PLIERS
12MM DEEP SOCKET	FLATHEAD SCREWDRIVER
1/4" DRIVE 6" EXTENSION	PICK TOOL
1/4" DRIVE RATCHET	
3/8" DRIVE 6" EXTENSION	

INSTALLATION TIME: 2 HOURS

DIFFICULTY LEVEL: 3/5

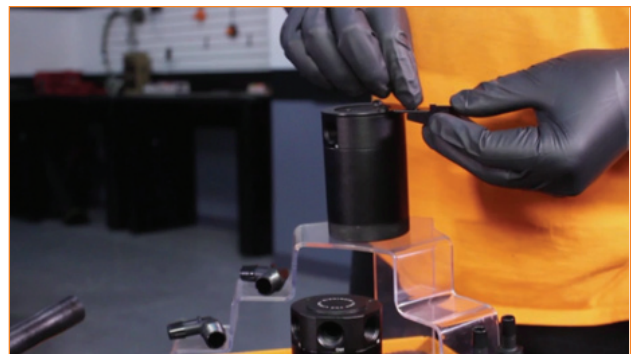
DISCLAIMER

- Raise vehicle only on jack stands or on a vehicle lift.
- Allow vehicle to cool completely prior to attempting installation.
- Do not run the engine or drive the vehicle while overheating, as serious damage can occur.
- Please dispose of any liquids properly.
- Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products.
- Mishimoto suggests that a trained professional install all Mishimoto products.

INSTALLATION INSTRUCTIONS

(THIS INSTALL WAS PERFORMED ON A WRX. IF YOU ARE INSTALLING THE STI KIT, THE APPLICATION-SPECIFIC HOSES WILL BE SLIGHTLY DIFFERENT.)

1. Attach the direct-fit bracket to the 2-port catch can lid. (2x 2.5mm Allen bolts and washers, Allen key)
2. Attach the CNC-machined mounting block of the direct-fit bracket to the attached bracket. (2x 2.5mm Allen bolts and washers, Allen key)



3. Attach the final direct-fit bracket to the 3-port catch can lid. (2x 2.5mm Allen bolts and washers, Allen key)

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SUBARU WRX BAFFLED OIL CATCH CAN SYSTEM, 2008-2014

INSTALLATION GUIDE

4. Thread and hand-tighten the three fittings on the 3-port catch can. The fittings should face upward at a 45 degree angle as pictured.



5. Thread and tighten the two fittings on the 2-port catch can. (11/16th" wrench)

6. Install the 2-port catch can on the passenger side of the vehicle near the inner fender. (1x 10mm bolt)



7. Remove the 10mm nut and then remove the front-side battery tie-down.

8. Install the 3-port catch can on the driver side of the engine bay. (1x 10mm nut removed in step 7, 10mm socket)

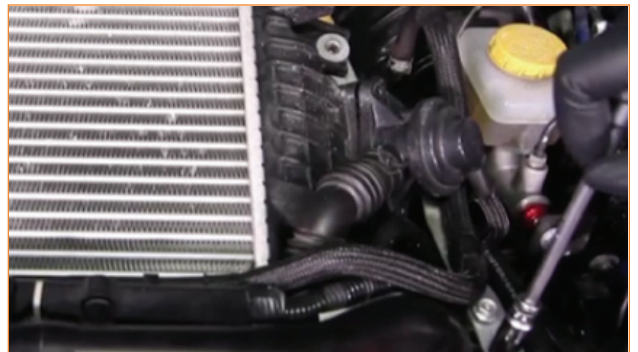


9. Loosen the worm-gear clamp on the throttle body hose. (10mm socket if you have a Mishimoto throttle body hose; flathead screwdriver if you have a stock throttle body hose)



10. Remove the two 10mm bolts from the bypass valve (BPV).

11. Remove the 12mm bolt from the intercooler bracket on the driver side. Loosen but do not remove the other two bolts on the bracket.



12. Remove the two 12mm bolts from the passenger side of the intercooler that connects to the turbo.



13. Remove the intercooler.

CONTINUED ON FOLLOWING PAGE →

02

SUBARU WRX BAFFLED OIL CATCH CAN SYSTEM, 2008-2014

INSTALLATION GUIDE

14. Remove the 10mm bolt that holds the plastic molded hose in place near the turbo inlet.



15. Remove the second 10mm bolt on the side of the head as shown below.



16. Detach the connection near the BPV, and pull apart the hose.



17. Pull apart the other end of the hose at the turbo inlet.



18. Pull out the hose.



19. Remove the 12mm bolt from the bracket for the boost solenoid. Remove the 5mm Allen head bolt.



CONTINUED ON FOLLOWING PAGE →

03

SUBARU WRX BAFFLED OIL CATCH CAN SYSTEM, 2008-2014

INSTALLATION GUIDE

20. Loosen the clamp holding the hose near the induction hose and then remove the hose. (Flathead screwdriver)



21. Shimmy the supplied L-shape hose into the space previously occupied by the hose that was removed in step 20. Tighten the worm-gear clamp. (Flathead screwdriver)



22. Reattach the bracket for the boost solenoid using the 12mm bolt and 5mm Allen head bolt from step 19.

23. Route the L-shape hose behind some of the wires and harnesses and over toward the catch can on the driver side.



24. Using a clamp, attach the L-shape hose to the outlet of the catch can on the driver side. (1x worm-gear clamp)



25. Remove the metal clamp from the next hose. (Pick tool)

26. Loosen the worm-gear clamp on the other side and pull out the hose.

27. Install the silicone cap for the turbo inlet.



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SUBARU WRX BAFFLED OIL CATCH CAN SYSTEM, 2008-2014

INSTALLATION GUIDE

28. Remove the spring clamp from the hose located right next to the induction housing, and then remove the hose. (Needlenose pliers)



29. In the same spot, attach a worm-gear clamp to the next hose and tighten the clamp. (Flathead screwdriver)



30. With a worm-gear clamp already installed on the hose, attach the next hose to the intake manifold. (Flathead screwdriver)



31. Attach a worm-gear clamp to the other end of the intake manifold hose from step 30, and then route the hose to the outlet on the catch can on the passenger side. Tighten the clamp. (Flathead screwdriver)

32. Attach the crankcase hose to the inlet of the catch can on the passenger side. Tighten everything on the passenger side.



33. Attach a supplied plastic fitting and a worm-gear clamp to the longer of the two straight hoses. Tighten the clamp. (Flathead screwdriver)



34. Attach the supplied Y-fitting and a worm-gear clamp to the opposite end of the hose from step 33. Tighten the clamp. (Flathead screwdriver)

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SUBARU WRX BAFFLED OIL CATCH CAN SYSTEM, 2008-2014

INSTALLATION GUIDE

35. Attach a worm-gear clamp to the crankcase ventilation (CCV) hose, and then route the hose to an inlet of the catch can on the driver side. Tighten the clamp. (Flathead screwdriver)

36. Attach the straight fitting and a worm-gear clamp to the valve cover vent hose on the passenger side. Tighten the clamp. (Flathead screwdriver)



37. Route the hose toward the valve cover vent on the driver side.



38. On the Y-fitting end, attach a worm-gear clamp to the valve cover vent hose on the driver side. Connect this hose to one side of the Y-fitting. Tighten the clamp. (Flathead screwdriver)



39. Attach a worm-gear clamp to the remaining hose coming from the second inlet on the catch can on the driver side. Connect this hose to the other side of the Y-fitting. Tighten the clamp. (Flathead screwdriver)



40. Tighten everything on the driver side. (Flathead screwdriver)

41. Reinstall the 10mm bolt (from step 14) that holds the wire harness near the intercooler.



42. Reinstall the intercooler.

43. Starting on the turbo inlet of the intercooler, reinstall the two 12mm bolts.

44. Reattach the hose to the BPV.

45. Tighten the three 12mm bolts on the intercooler bracket on the driver side.

46. Reattach the BPV using the two 10mm bolts you removed in step 10.

47. You have now successfully installed the Mishimoto Baffled Catch Can System for your Subaru. Enjoy!