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AIR INTAKE ASSEMBLY: SUBARU 2.5L

Immediately upon delivery, open all packages and check the contents of the shipment. Report any issues directly to SCP within 15 days. After 15 days, SCP will not be responsible for missing or damaged items.

HARDWARE

- (1) AIR INTAKE PANEL
- (1) MASS AIR FLOW SENSOR COUPLING
- (1) 3" TO 2.5" 90-DEGREE SILICON REDUCER
- (1) 3" 90-DEGREE SILICON ELBOW
- (1) 3" CONE AIR FILTER
- (1) 5/8" BARB TO 1/2" NPT 90-DEG ELBOW
- (1) 1/2" NPT PLASTIC NUT
- (1) 5/8" VACUUM HOSE – 19"
- (1) 3" INTAKE TUBING – 21"
- (2) 3" WIRE CLAMPS
- (2) 5/8" HOSE CLAMPS
- (2) M6 X 10 MM BOLT
- (2) M6 FENDER WASHER
- (2) 3" ALUMINUM TUBING COUPLER
- (5) 3" STAINLESS HOSE CLAMPS

TOOLS REQUIRED

- 10MM SOCKET/WRENCH
- PHILLIPS HEAD SCREWDRIVER
- FLATHEAD SCREWDRIVER
- HOSE CUTTER/UTILITY KNIFE
- WIRE CUTTERS

NOT INCLUDED

- AIR SENSOR & SCREWS

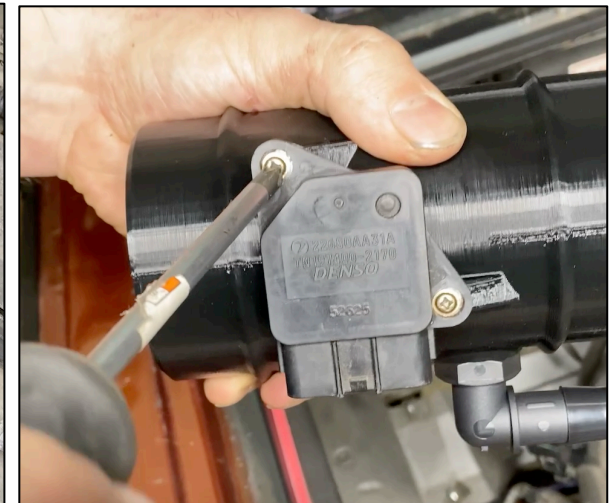
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INSTALLATION

1. INSTALL MASS AIR FLOW SENSOR

- Install your vehicle's Air Mass Sensor into the hole of the Mass Air Flow Sensor Coupling using the screws the sensor came with. The holes are undersized to ensure a tight fit.
- ***Please Note: Different model years have different sized sensors and consequently different Mass Air Flow Couplings. This is a 2007 Impreza installation.***
- Set Mass Air Flow Sensor Coupling to the side.



2. ASSEMBLE AIR FILTER & AIR INTAKE PLATE

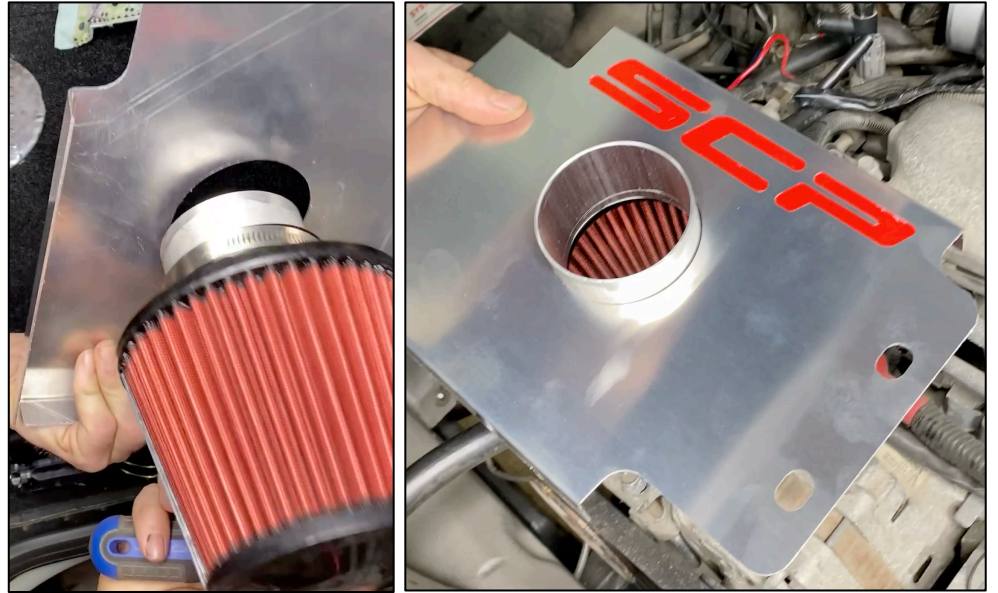
- Insert Aluminum Tubing Coupler about halfway into the air filter.
- Slide and tighten a 3" hose clamp over the top of the air filter opening.
- Test to ensure the coupler does not move.



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- Insert the air filter and coupler into the backside (non-SCP logo side) of the Air Intake Panel.



- Slide a 3" hose clamp over one of the ends of the 90-degree Silicone Elbow.
- Attach the 90-degree Silicone Elbow over the top of the aluminum coupler that is protruding from the front of the Air Intake Panel (SCP logo side).
- Secure by tightening down the 3" hose clamp. ***It is important to pay attention to the orientation of the hose clamp. You will want to have easy access to it once it's installed in its permanent location.***



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3. PREPARE AIR INTAKE RECESS

- Any interfering wiring can be rerouted to make for a cleaner look.
- If this is not possible, there is a notch in the bottom right-hand corner of the intake panel to account for the presence of any wires.



4. INSTALL AIR INTAKE PANEL

- Using a 10MM socket/wrench, secure Air Intake Panel with (2) M6 x 10MM bolts and washers.



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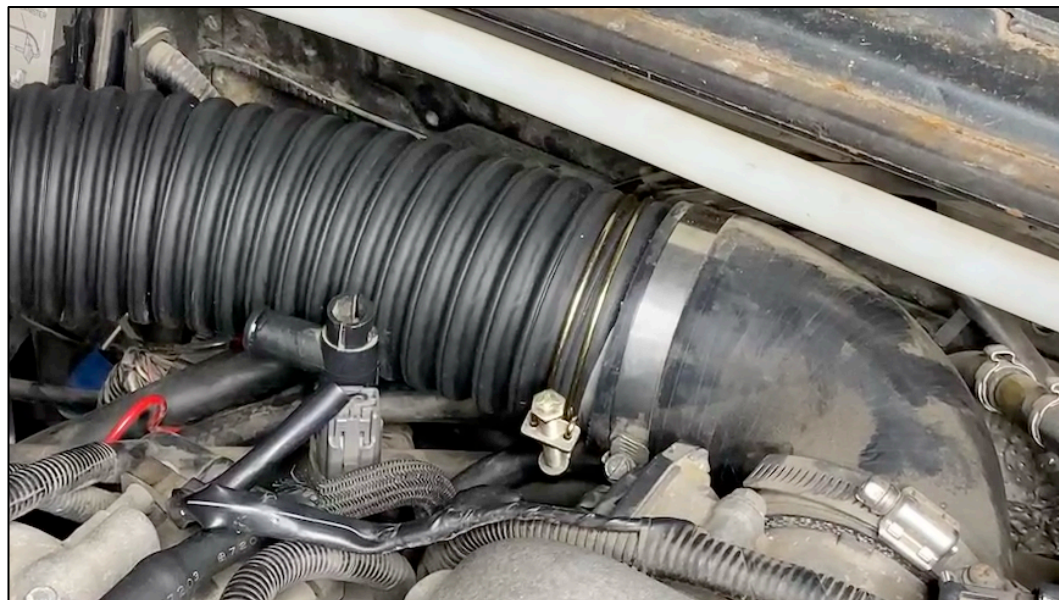
5. INSTALL 3" TO 2.5" 90-DEGREE SILICON REDUCER

- Ideally, this 90-degree reducer is attached to the intake **before** the engine is installed as it can be a tricky fit with the firewall so close – but in **can** be done.
- Slide on a 3" hose clamp onto the 2.5" (shorter) end of the 90-degree elbow – paying special attention to its orientation.
- Tighten hose clamp.
- Insert an aluminum coupling into the 3" end of the 90-degree elbow.
- Slide on a 3" hose clamp over the coupling and tighten.



6. INSTALL 3" INTAKE HOSE

- Slide a 3" wire clamp over the end of the intake hose and slide it over the protruding coupler.
- Tighten wire clamp – making sure the two rings straddle a wire rib of the intake hose.



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7. INSTALL MASS AIR FLOW COUPLER

- You will receive a slightly longer 3" Intake Hose than you might need. Trim accordingly – but always remember – ***measure twice, cut once!***
- Slide remaining wire clamp over the end of the 3" Intake Hose. Make sure to attach in the orientation shown as this will keep it out of the way of the later installation of vacuum tubing.
- Slide the Intake Hose over the end of the Mass Air Flow Coupling in the orientation shown.
- Tighten wire clamp.



8. ATTACH MASS AIR FLOW COUPLING TO AIR FILTER

- Slide a 3" Hose Clamp over the 90-Degree Silicone Elbow.
- Insert the Mass Air Flow Sensor Coupling.
- Tighten Hose Clamp.

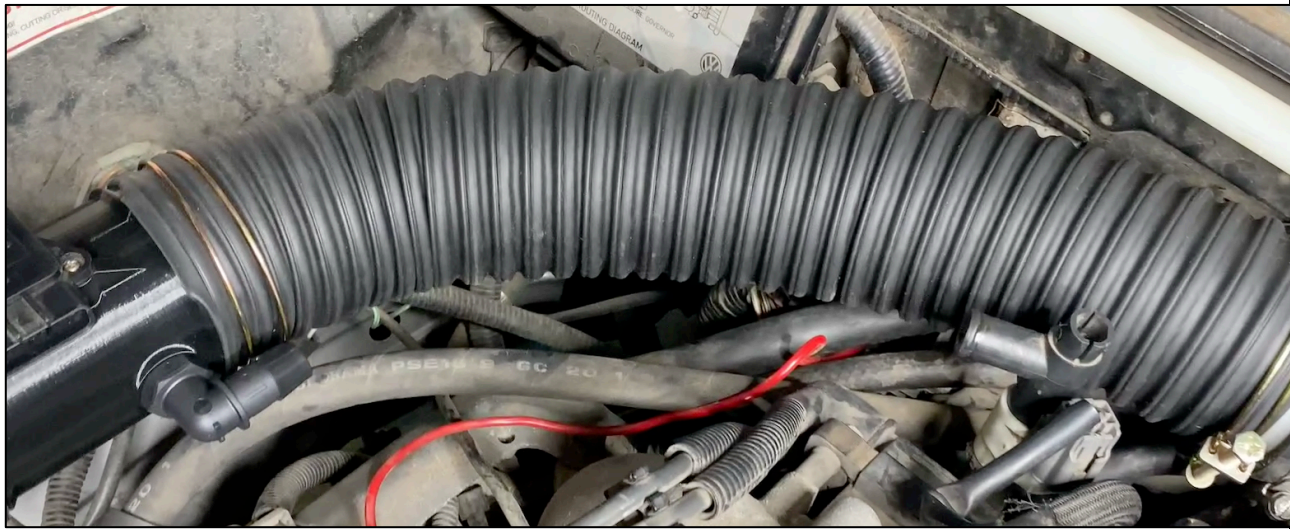


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9. CONNECT PCV VALVE/ MASS AIR FLOW COUPLING NIPPLE

- Depending on the year of your Subaru engine, you will have a different size PCV Valve outlet and consequently a different 90-degree Mass Air Flow Coupling nipple.
- The connections are the same for both.



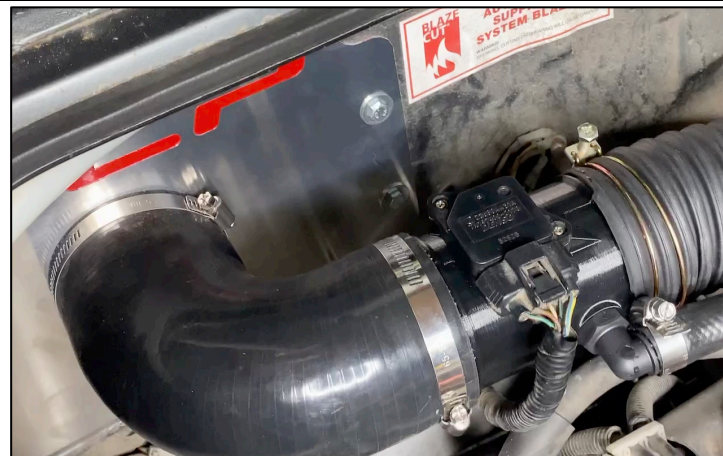
- Lube the inside of one end of the 5/8" vacuum tubing and slide onto the Mass Air Flow Sensor Coupling Nipple.
- Secure with 5/8" hose clamp.
- The hose is most likely a couple inches longer than necessary. Cut accordingly.
- Slide a 5/8" hose clamp over the end of the vacuum tubing.
- Lube the inside of the other end of the 5/8" vacuum hose and slide onto PCV Valve.
- Tighten hose clamp.



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10. PLUG IN MASS AIR FLOW SENSOR CONNECTOR



CONGRATULATIONS! YOU ARE ALL DONE.

Please keep in mind your new air filter is made from a high-flow, washable, pre-oiled synthetic material. It must be properly maintained.