

ModalWorks W204 1.8T High Flow Intake Installation

Nomenclature: Passenger side and drivers side are based on LHD vehicles (US models)

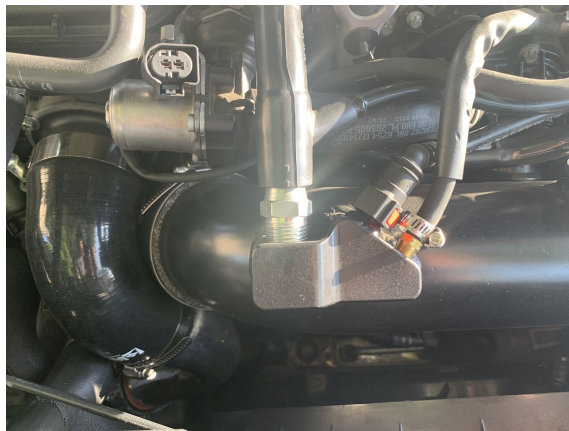
Tools: Flat head screwdriver, large pliers, 10mm socket or open wrench, T25 socket wrench driver, 7/16" or 11mm socket wrench, M4 hex driver, M3 hex driver

OEM Intake Removal

1. Pop hood and ensure OEM airboxes are cool to the touch.
2. Remove OEM cloth intake hose by hand
3. Remove filter portion of OEM intake by unscrewing 3x T25 torx bits
4. Remove OEM MAP sensor by unscrewing the 2 screws, you can leave the sensor attached to the harness
5. Unclip 3 vacuum lines at the junction block
6. Unscrew turbo connection with a flat head screwdriver or hex head
 - a. It may be easier to unclip the turbo muffler from the turbo outlet to gain more hand access. To do so, wedge a flat head screwdriver under the clip and pop out.
7. Unclip OEM PCV heater element. This will not be used for the ModalWorks intake, zip tie or wedge here:

ModalWorks Installation:

1. Start by installing the silicone turbo intake line onto the turbocharger. We find it easiest to place one hand inside of the coupler and the other used to guide it on.
 - a. Make sure to move the OEM hose clamp from the stock unit onto the ModalWorks coupler.
 - b. Position coupler as shown, tighten the hose clamp down about 30% such that it is firm in place but allows some play for installation on the remainder of the system.
2. Install aluminum intake tube into the silicone coupler
 - a. Tighten down large hose clamp
 - b. Install breather port and two vacuum lines



- c. Install map sensor with 2 X M5 screws included with the kit. Place the sensor in and wiggle back and forth and push down to enter the hole.
 - i. Tighten each screw a few turns at a time, alternating back and forth until the sensor is fully seated.

3. Install Heat shield

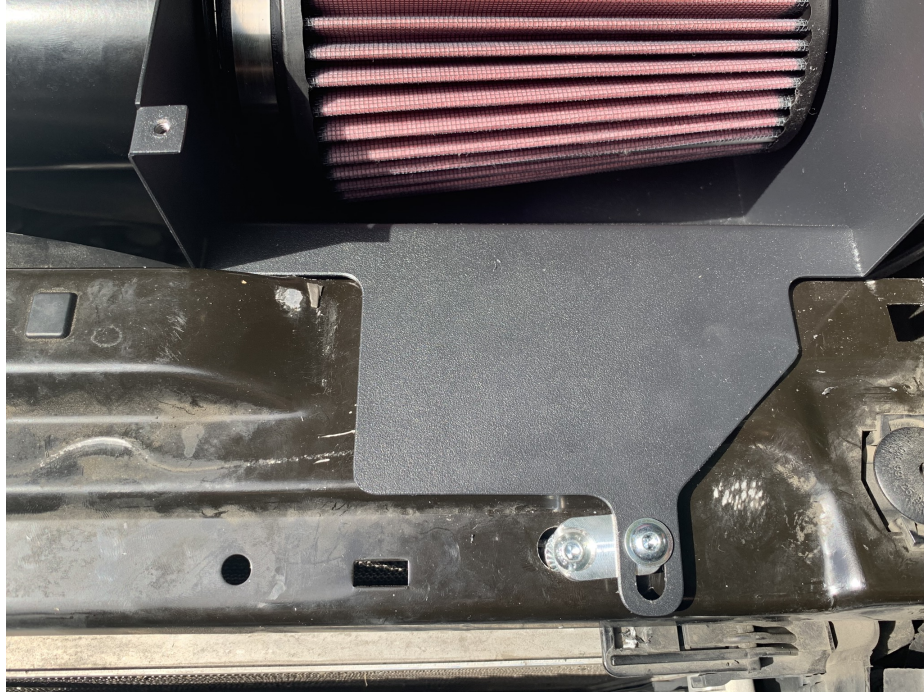
- a. Remove OEM plastic air inlet bezel
- b. Place heat shield onto chassis and feed aluminum air tube into the sheet metal enclosure
- c. Carefully place locking nut under the hole shown in the chassis



- d. GEN 1 Intake systems require mounting adapter, GEN 2 (Nov 2020 and later) do not. If you have a Gen 1, Install the heat shield mounting block to the chassis by placing the M6 bolt through the block and tighten the nut, otherwise clamp heat shield directly to chassis.



- e. Clamp heat shield to the block with the short M6 screw. This may need to be adjusted during the reinstallation of the plastic ram air inlet



- 4. Finalize assembly
 - a. Install the air filter by carefully placing the filter into the heat shield and onto the intake tube. Tighten the hose clamp on the filter.
 - b. Go back to the turbo silicone coupler and ensure that the inlet tube and heat shield are aligned correctly and are not crooked. You may need to adjust the what shield mounting to get the system to sit correctly. Tighten the connection at the turbo completely.
 - c. Install the OEM air bezel back to the chassis, this must be done before the heat shield lid is installed



- d. Complete assembly by tightening down the carbon fiber lid with the 4 x M4 screws provided.