

# **ModalWorks W205 C43 High Flow Intake Installation**

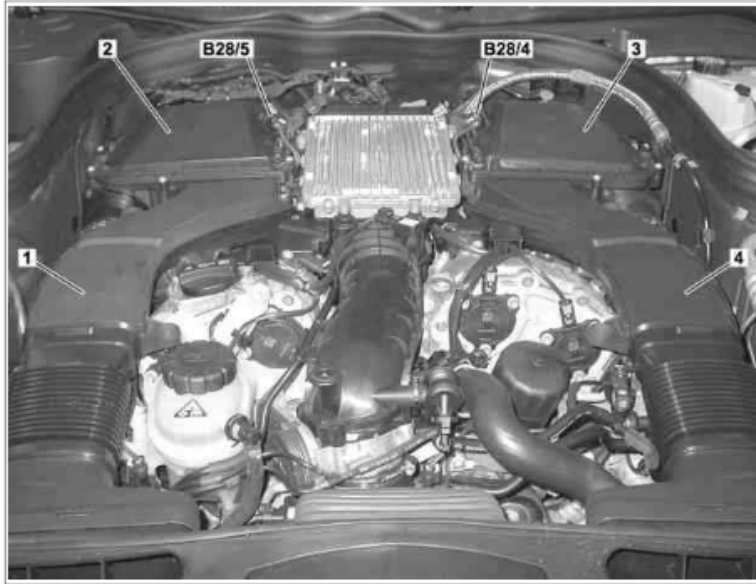
Nomenclature: Passenger side and drivers side are based on LHD vehicles (US models)

## **OEM Intake Removal**

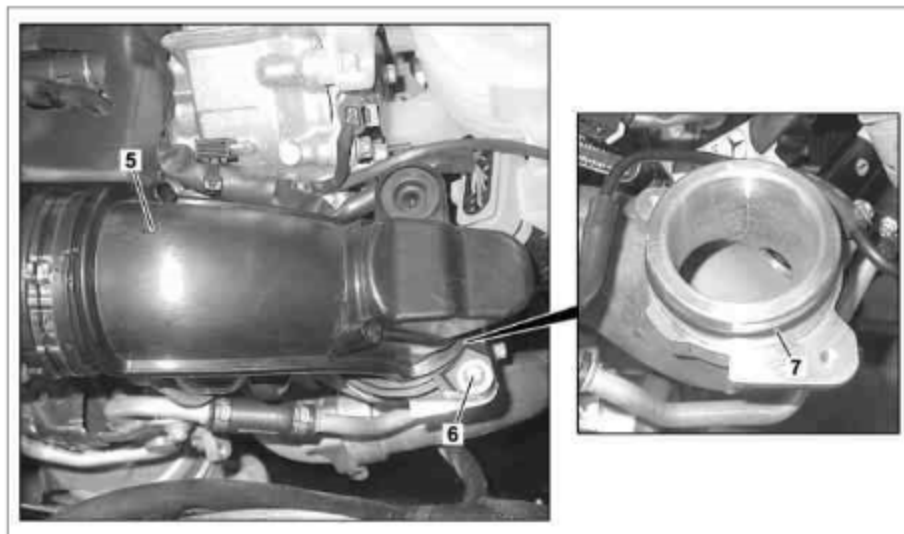
1. Pop hood and ensure OEM airboxes are cool to the touch. Remove engine cover (Item 1) by simply pulling up. Remove air inlet ducts (Item 2)



2. Remove the OEM air filter quality sensors (B28/4 and B28/5) by applying pressure and twisting with a quarter turn. The wire loom may be too tight to completely twist with the cable connected. If so, unclip connector first.
  - a. Place the sensor in a safe spot, be careful to not damage.



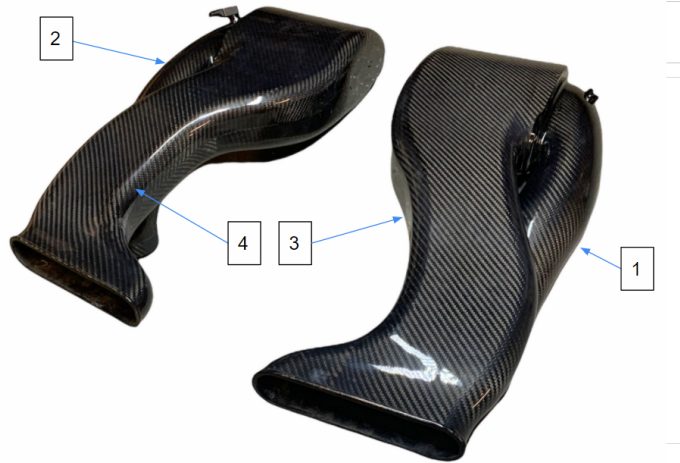
3. Unscrew bolts (item 6) that connect the OEM airbox (item 5) to the turbochargers. There is one bolt per intake airbox.



4. Pull up on each airbox to unseat it from the turbocharger. **NOTE:** Each turbocharger has a seal (item 7).

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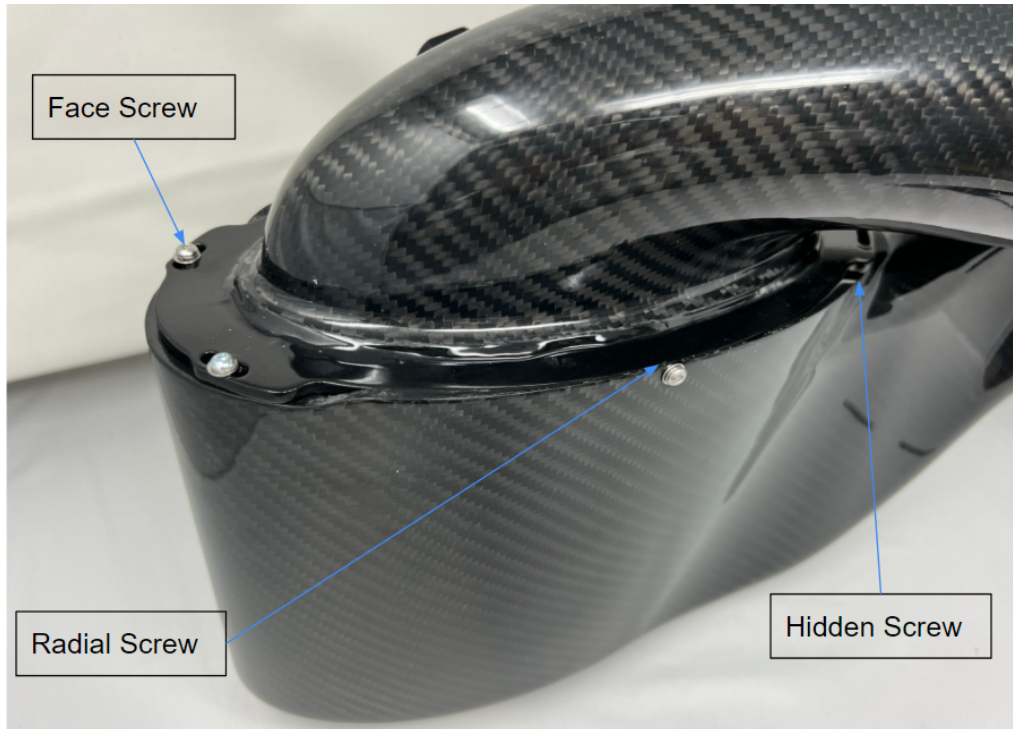
1. Unbox all items, be careful not to scratch carbon fiber parts on rough surfaces.
2. Start by installing the air filter on each intake tube (Item 1 and 2 below) and tighten the worm clamp to a snug fit. Test filter by hand to ensure it will not slip off.



3. If you purchased the kit without the filter enclosure, skip to step 9.
4. Place the drivers side enclosure (item 3) onto the drivers side intake tube (item 1). There may be some slight resistance but carefully apply pressure and wedge it into place. Repeat for items 2 and 4.
5. Ensure the lock washer sits between the normal washer in the screw head as shown below.

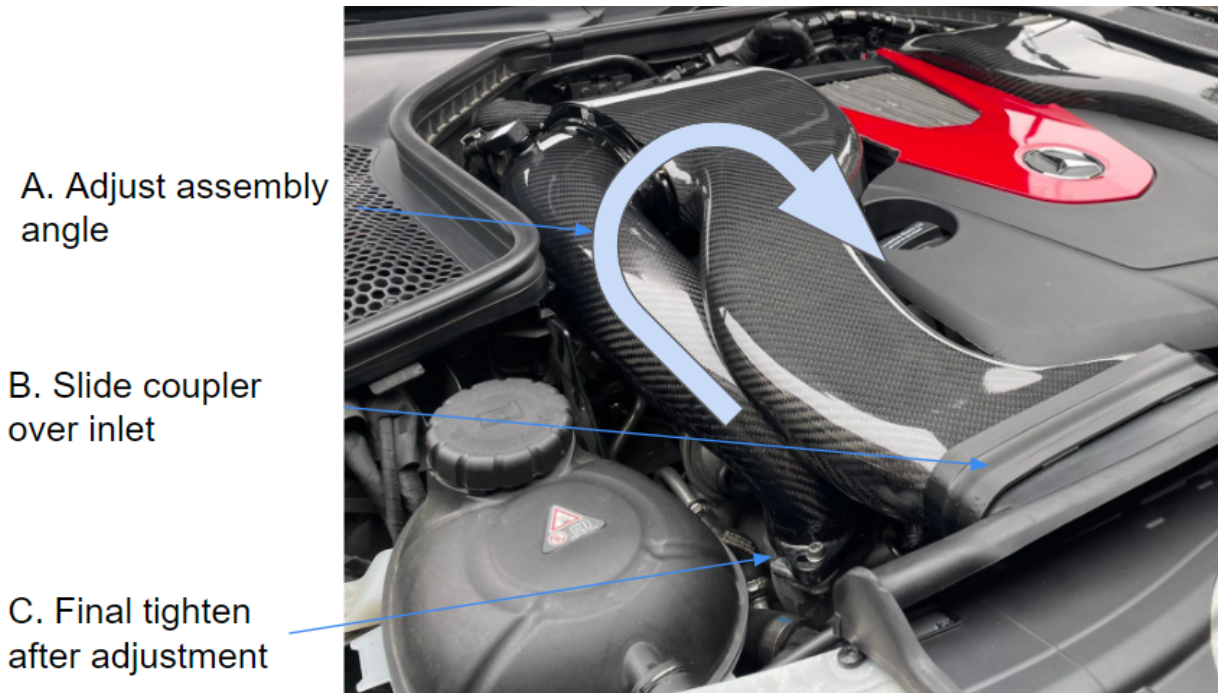


6. Install screws between the two parts. There are 2 radial screws and 4 face screws. If your kit came with 2 separate sizes, use the shorter screws on the radial edge and longer screws on the face.
  - a. Note, one face screw is obstructed by the inlet tube, this is difficult to access, if you find yourself having a hard time installing this one, it is okay to skip, the other 5 screws are enough to hold the two parts together.



7. Repeat step 6 for the other pair of parts (items 2 and 4).
8. Install the inlet coupler on each of the enclosure parts (items 3 and 4)
9. Now install each intake tube or intake tube assembly onto your motor.
  - a. If your kit comes with o-rings, replace the stock ones left on the turbos with the ones provided, otherwise proceed to the next step.
  - b. Lightly coat the o-ring on the turbocharger with a thin layer of oil to aid in assembly.
  - c. Test fit the passenger side tube (right hand side) onto the turbocharger and check for collisions with the turbocharger. If the tube hits the turbo, install the adapter piece to raise the intake tube off. This is only required for the right hand side assembly.
  - d. Carefully place each tube assembly directly onto the turbocharger and press over the o-ring.

10. Install the provided M6 bolt with lock washer and flat washer through the intake tube and into the turbocharger. Leave the bolt hand tight (loose) for now.
11. If using the enclosure, adjust the angle of the enclosure tube and slide the coupler over the front entrance. Once everything is aligned, tighten the M6 bolt to 8Nm. Repeat for the other side.



12. Install harness extenders by plugging in one end to the vehicle and the other to the air filter sensor. Place the sensor into the billet adapter on the inlet tube and turn 90°. Repeat for the other tube.
13. Installation complete!