

# **ModalWorks M177 Turbo Blanket**

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

Tools Required: Flat head screwdriver, large pliers, 10mm socket or open wrench, E10 socket wrench, clips or shears

Turbo Blanket Kit: 1 X Turbo Blanket, 2 X Long steel tie wires, 1 X Short steel tie wire

1. Pop hood and ensure OEM airboxes are cool to the touch. Begin by removing the covers at the rear of the airbox.



2. Remove the OEM air filter quality sensors 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.



3. Place both sensors back into the surrounding cable bundle.



4. Using a pair of pliers, pinch the clamp holding the hose at the front of the airbox and slide it off of the air tube nipple. Repeat at both sides.



5. Loosen turbo clamp connectors on both sides.





6. Pull up on the passenger side airbox to release them from the ball-studs.



7. Pull up on the driver side airbox to release them from the ball-studs.

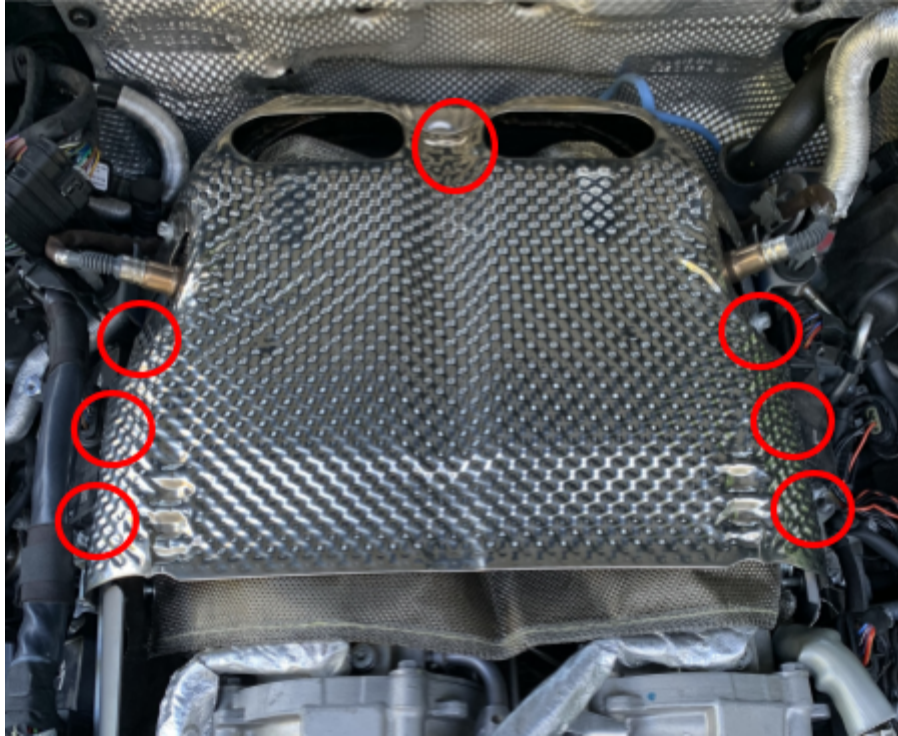


8. Remove outer silver turbo cover by unscrewing 4 X 10mm nuts. You will need a 10mm open wrench to hold the stud in place.





9. Remove OEM heat shield by unscrewing 7 x E10 bolts



10. Unravel the two long steel tie wires and loop them under the turbo chargers. The front turbo is more challenging, and we find working from driver side to passenger side is easier.
  - a. The rear tie wire should go behind the exhaust manifold to turbo connection

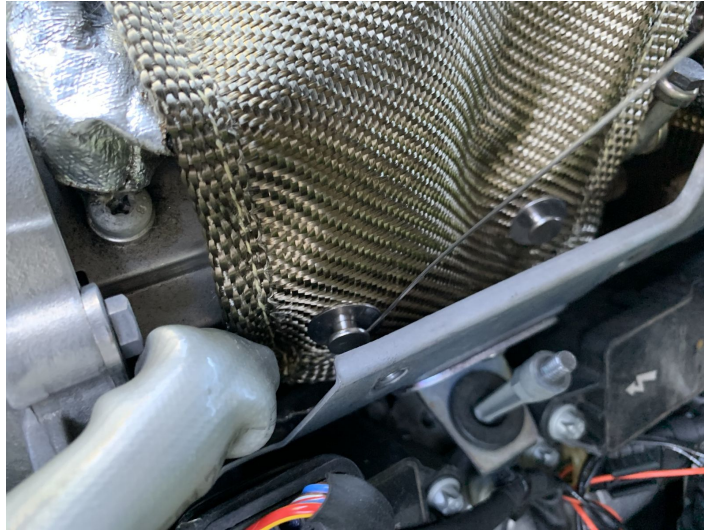


11. Once these are in place, lay the blanket down and loop the passenger side tie wires to the rivet, leaving little to no slack.





12. Pull tightly on the drivers side to take up any slack, and press the blanket down into the opening between the turbine housing and side wall.
  - a. Loop around the rivet.
  - b. Clip unneeded extra length.
  - c. Repeat for the rear tie wire.



13. Next, fold the back of the turbo blanket towards the front of the vehicle. Take the short tie wire and loop it around the rear wire from the previous step.



14. Pull tightly while pressing the turbo blanket down between the downpipes and loop around the rear rivet.
  - a. Trim extra length





15. Press down slightly between turbos.



16. Install all other components in reverse order.