

D760-0071



DINAN

COLD AIR INTAKE; G30 M550i

INSTALLATION

2020-23	G30	M550i xDrive
2019-24	G14/G15/G16	M850i xDrive

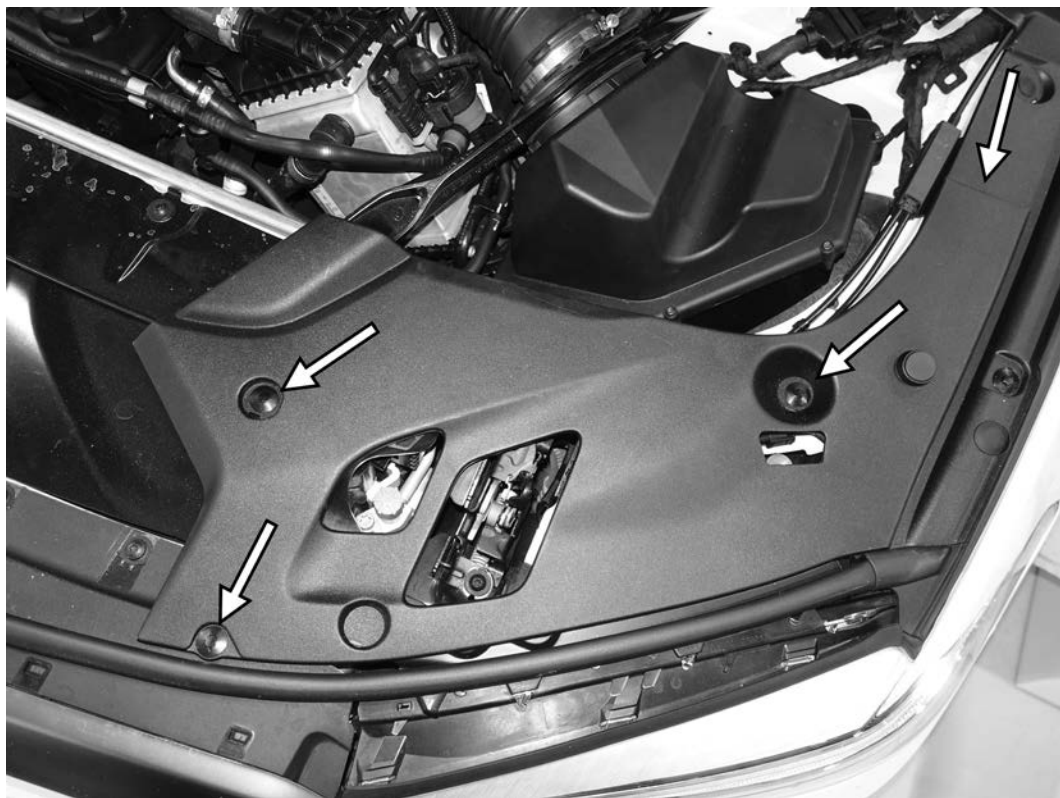
Notes:

These instructions were written for a North American specification 2021 G30 M550i xDrive, but other models like the M850i are similar.

When disassembling the car, be sure to keep all fasteners so they can be reused. It is recommend that you get some kind of compartmented tray to organize the fasteners, such as a fishing tackle box or several large ice cube trays. Fasteners that are not reused for reinstallation are noted in the instructions. If a fastener is listed with an additional tightening sequence (such as an angle after a torque specification), it is a torque-to-yield fastener and is recommended to be replaced.

All directions used in this manual (right, left, front, etc.) are based on if you were sitting in the drivers seat of the car.

These instructions assume that you have basic mechanical skills and several varieties of basic hand tools in order to install the kit. If you have any questions about the install, feel free to contact your Dinan representative.



1) Remove the six push-pin style connectors from both radiator support plastic covers. The covers do not need to be removed, just the back sides of them lifted for access to the front cross brace screws. Note how the back side of the panels attach to the panel underneath them.

2) Remove the cover over the engine control module on the left side of the engine, next to the main engine cover by carefully lifting up on the cover.



D760-0071



3) Lift up on the radiator support plastic covers then loosen and remove the 16mm screws from the front of both cross-braces that connect the core support to the strut towers. Also remove the two E14 internal Torx screws holding the back of the cross braces to the strut towers.

4) Lift up on the front of the main engine cover to remove it from the engine. Set it aside to prevent damage to the cover.



D760-0071

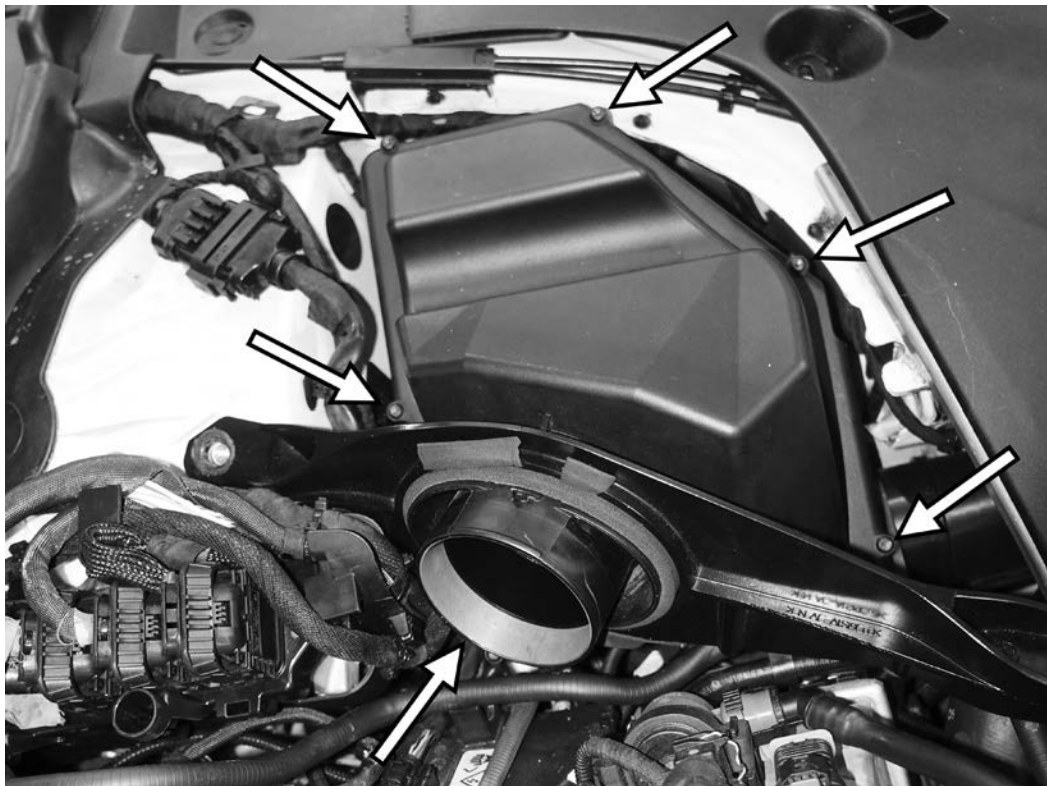


5) Loosen the four 6mm (or flathead) clamps on the accordion intake hoses connecting the airboxes to the turbo inlets.

6) Separate the accordion intake hoses from the turbo inlet by compressing them and pulling them away from the engine. Once separated from the engine, separate both hoses from each airbox and remove them from the car.

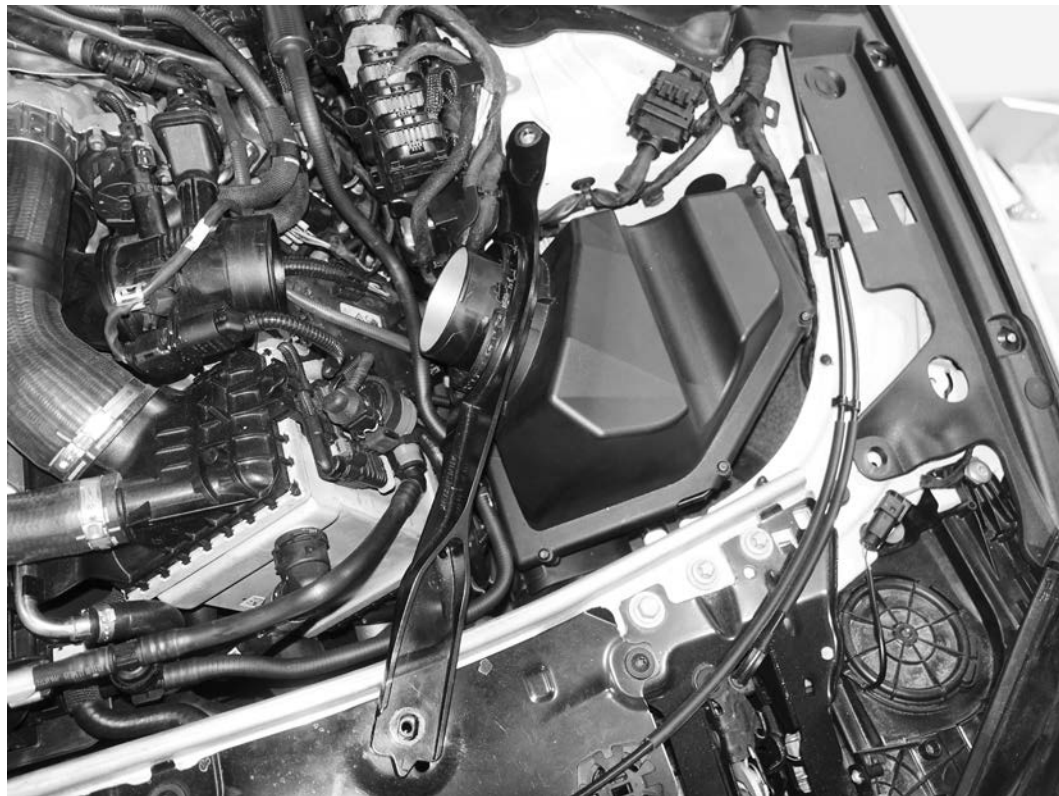


D760-0071



7) Loosen the twelve T25 screws holding the factory airbox lids to the airbox bases.

8) Lift both airbox lids with the cross-braces attached, and remove them from the car. Remove both panel air filters from the factory airbox bases.

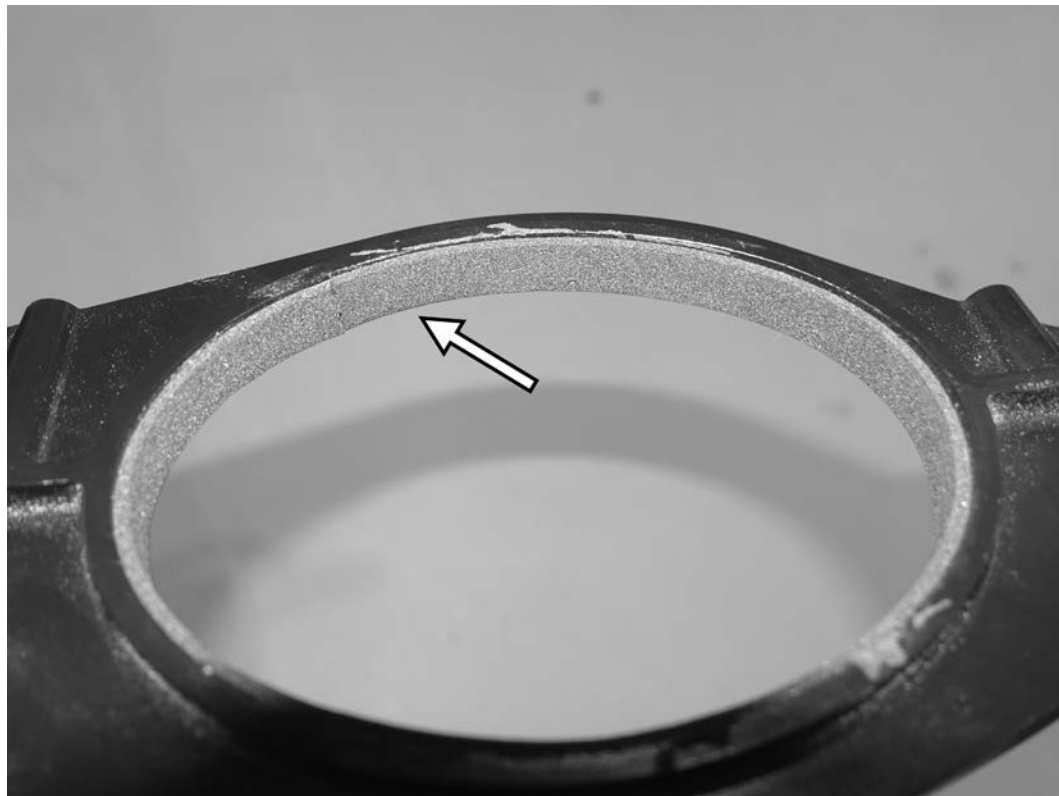


D760-0071



9) The crossbraces have a "L" or "R" stamped on the front showing which side is which. After noting the orientation of each crossbrace to each airbox, separate the crossbraces from the airbox lids.

10) Along the inner ring of both crossbraces where the airbox lids routed through, cut and line the rings with the supplied adhesive foam tape.

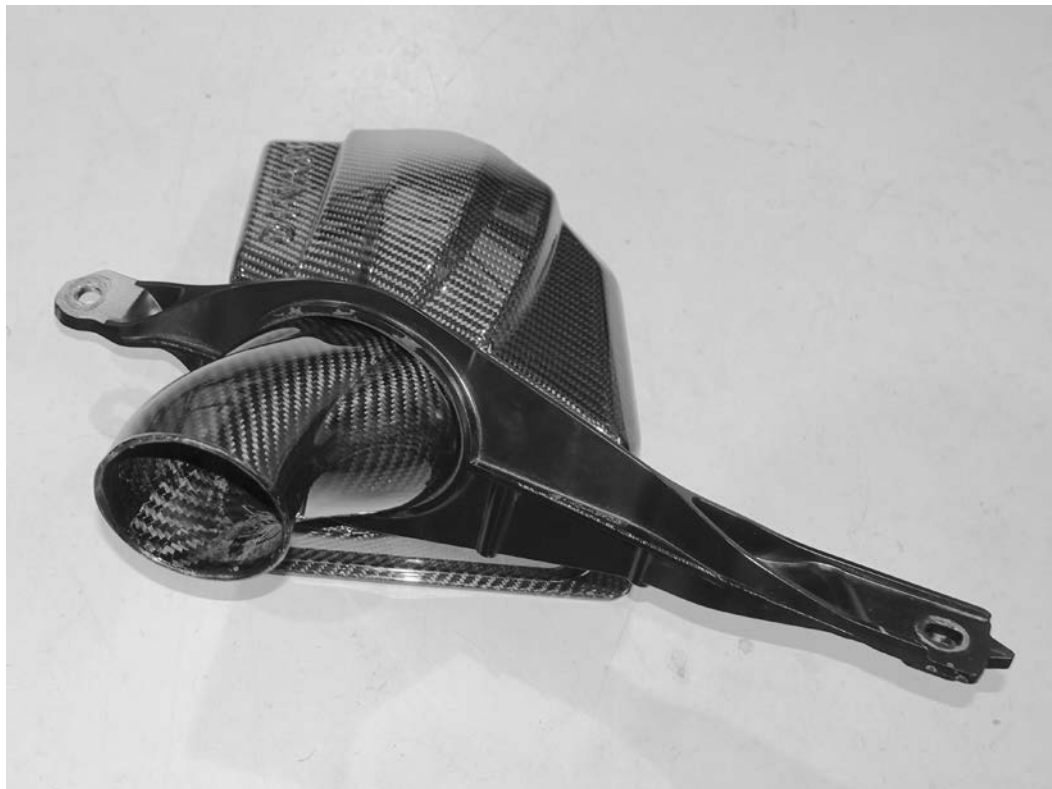


D760-0071

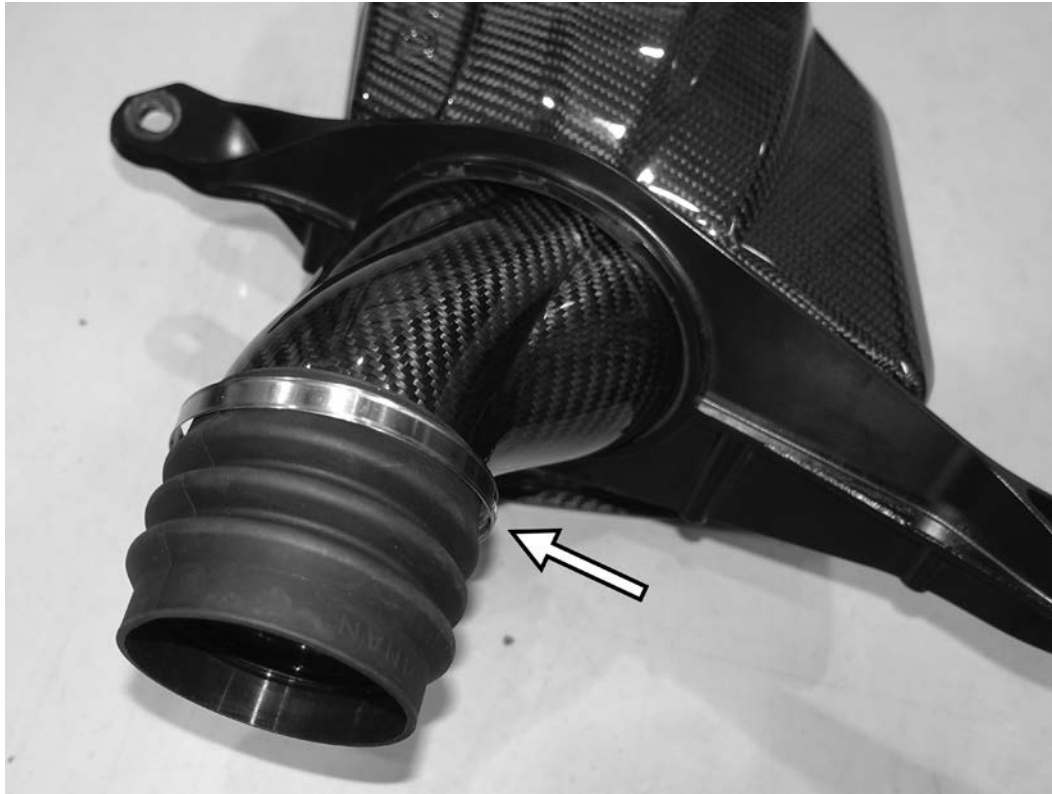


11) Install the air filters to the Dinan airbox lids. Be sure to orient the angled filters so when they are installed they will sit inside the airbox lid more. Secure the air filter to the airbox lid by tightening the clamp on the filter to 3.4Nm (30 in-lbs).

12) Install the factory crossbraces on the Dinan airbox lids in the same orientation as they were on the factory airbox lids.

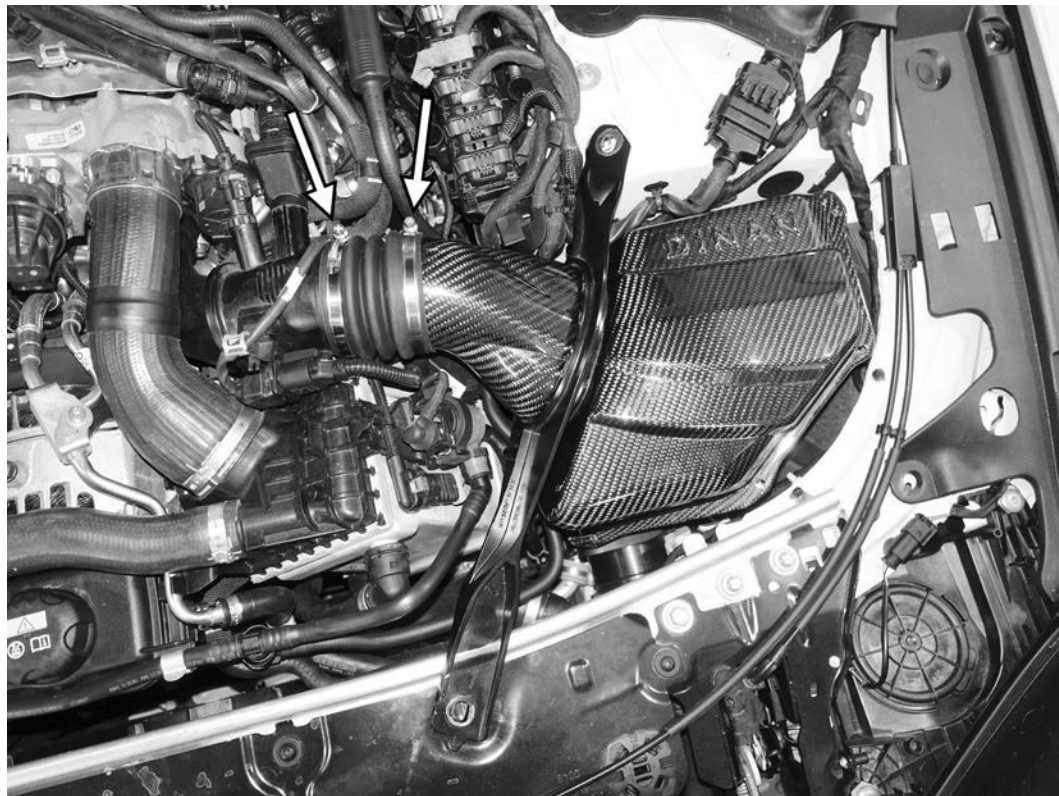


D760-0071

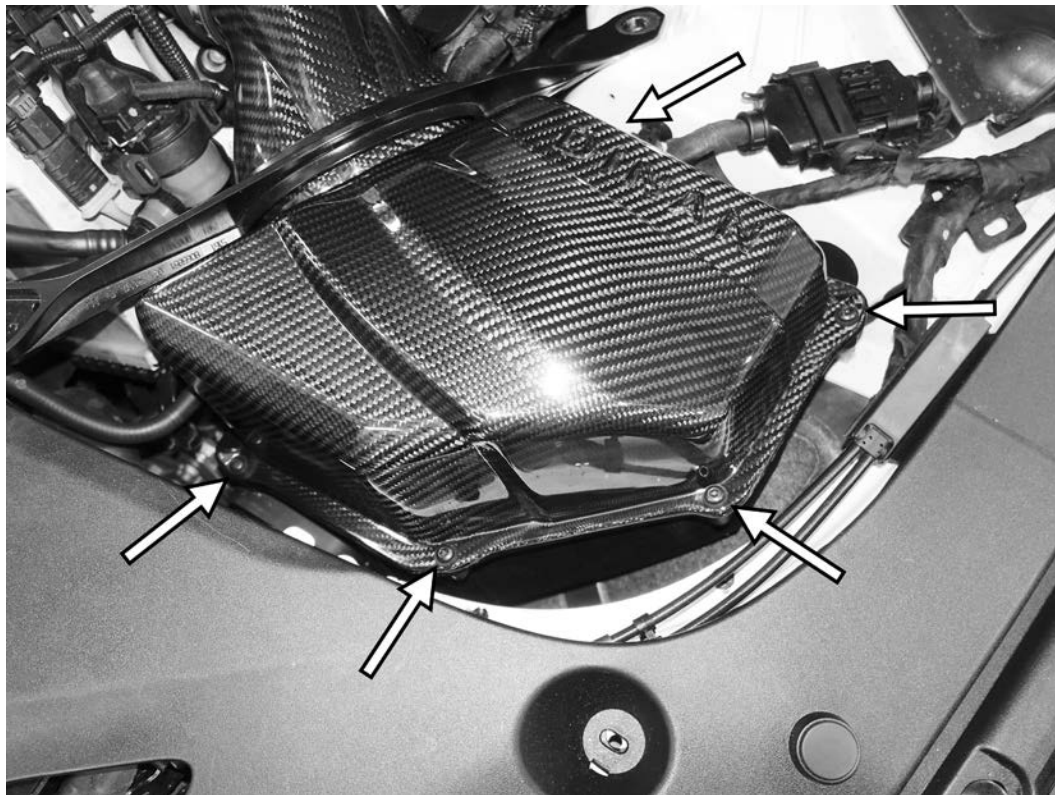


13) Install one of the four smaller clamps onto the outlet of the Dinan airbox lid. Install the slightly bigger diameter end of the supplied accordion coupler onto the end of the airbox outlet.

14) Place one of the smaller hose clamps onto the inlet of the turbos. Lift up on the front plastic panels, and then place the airbox lid assemblies in the car. Connect the accordian couplers onto the inlets of the turbos. Secure both sides of the accordian coupler to both of the airbox outlets and the engine inlets and tighten to 3.4Nm (30 in-lbs).

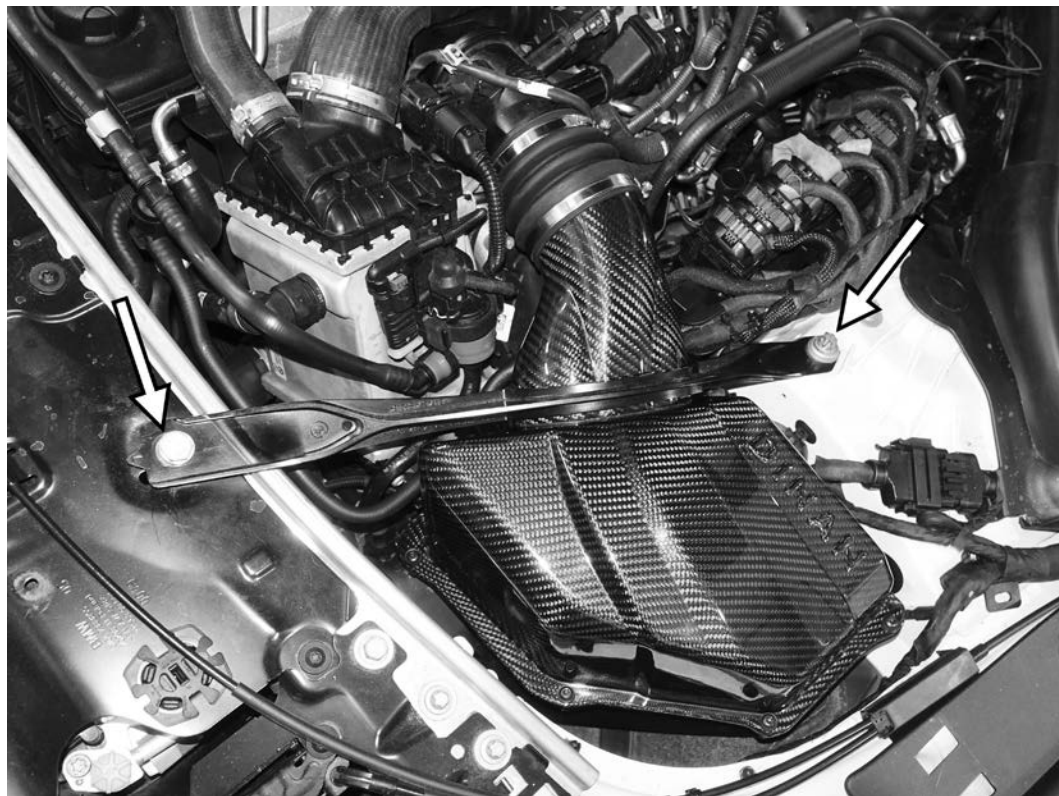


D760-0071

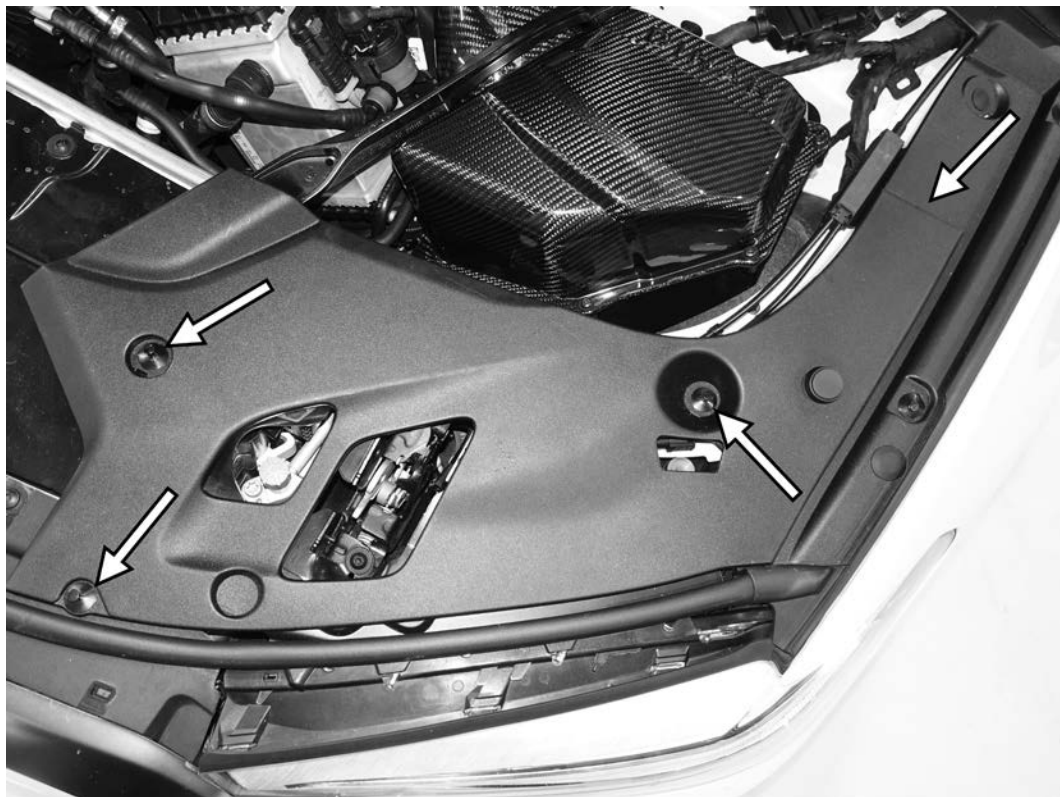


15) Install the Dinan airbox lids to the factory airbox bases with the ten T25 screws with one rubber washer under each screwhead. The screw hole on the inside of the airbox base is not reused. Tighten the screws to 2.5Nm (22 in-lbs). The Dinan lids do not need to seal to the airbox bases as they did with the factory panel air filters, as the seal for the air filters is now where the filter attaches to the new Dinan lid.

16) Reinstall the two E14 screws holding the back of the crossbraces to the strut towers. Reinstall the two 16mm screws on the front side of the crossbraces to the radiator support. Tighten the E14 screws to 56Nm (41 ft-lbs) and then tighten the screws an additional 90°. Tighten the front 16mm screws to 28Nm (20.5 ft-lbs), and then tighten the screws an additional 90°.



D760-0071



17) After making sure the back side of the upper plastic covers are correctly reattached to the panel underneath them, reinstall the six push-pin style connectors to secure the panels in place.

D760-0071

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