

E63 M177 Cold Air Intake System Gen-2

SKU: BBCAIS002-2Gen



Thank you for purchasing the Mercedes AMG E63(S) M177 Gen 2 Cold Air Intake

This Installation guide provides the instructions on how to install the Blackboost Cold Air Intake and the tools required.

Content of the Box

1. Airbox	-	1
2. Intake Pipe - RH	-	1
3. Intake Pipe - LH	-	1
4. Turbo Coupler - 2 Hole	-	2
5. Coupler Clamp - 50×70mm	-	2
6. Coupler Clamp - 70×90mm	-	2
7. Standard Twin Flow BB Oval Filter	-	2
8. Oval Filter Clamp - 76×127mm	-	2
9. Sensor Bung	-	2
10. 1/8th NPT Stopper	-	2
11. M6 Spacer	-	2
12. Standard Logo Plate	-	1
13. Engine cover	-	1



Compatibility

E63(S) AMG (W213/S213) - M177 LS2 4.0L V8 BiTurbo - (2017 - 2020)E63(S)
AMG (W213/S213) Facelift - M177 LS2 4.0L V8 BiTurbo - (2021+)
GT63(S) AMG (X290) - M177 LS2 4.0L V8 BiTurbo - (2019+)

Caution: Make sure the engine bay is cooled down.



Tools Required



1. 7mm, 8mm, 10mm Hex nut drivers
2. Hose Clamp Plier
3. Hook Pick

PPE



1. Gloves
2. Safety Glasses

OEM Intake Box Removal

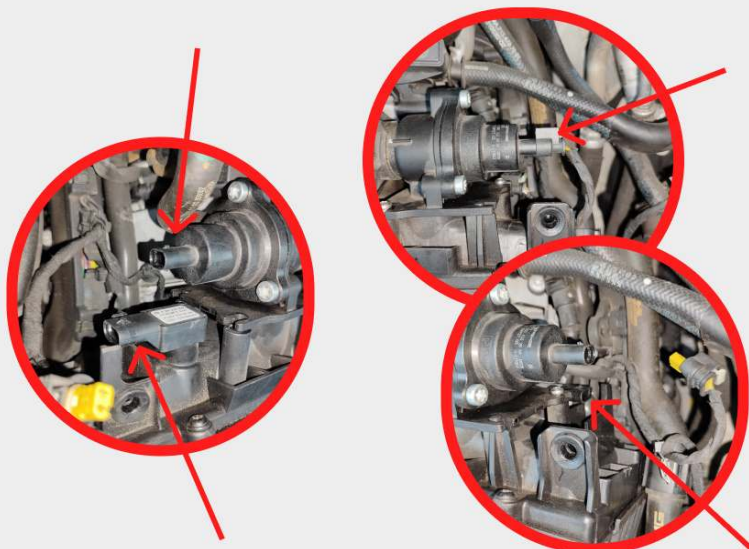
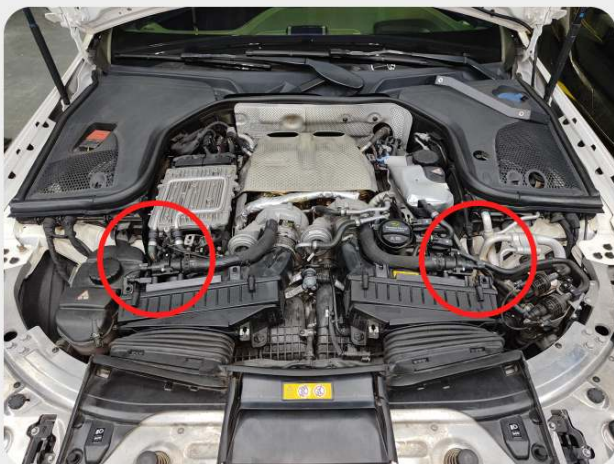
Step 1

Remove the engine cover.



Step 2

Unplug both the MAP sensor cable and the connector which connects to the diverter.



Step 3

Remove both diverter valve hoses using a hose clamp plier.



Step 4

Remove the screws mounting the diverter valve to disconnect it from the OEM Airbox, then unplug both MAP sensors from the OEM Airboxes. Keep both the Diverter Valves and the MAP sensors aside for later use.



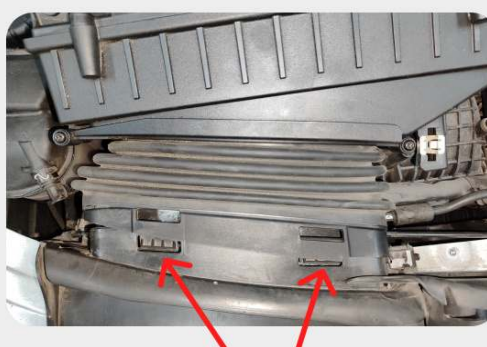
Step 5

Loosen the Turbo Coupler clamps to remove the airbox as shown below.



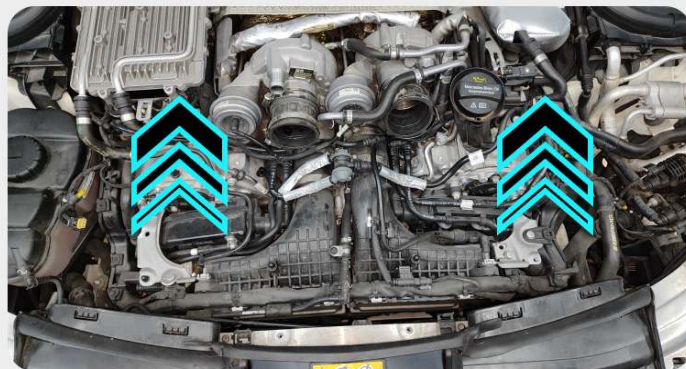
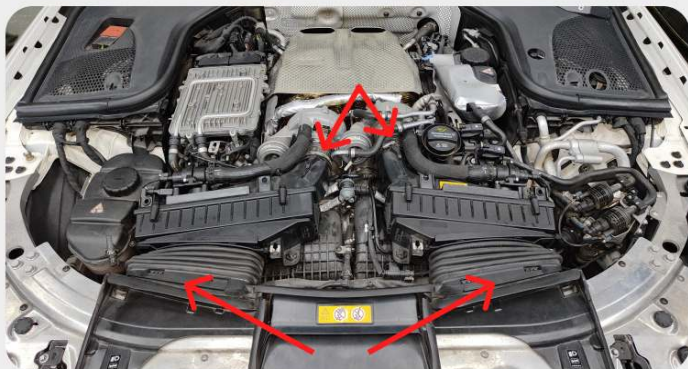
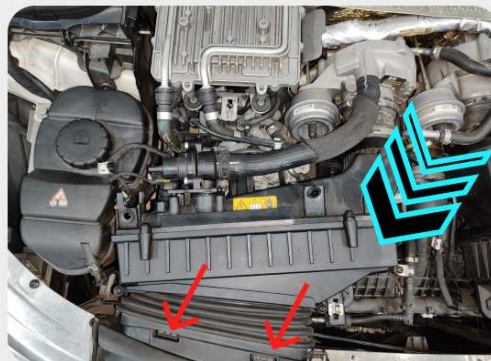
Step 6

Unclip, pull and detach the Air Inlet duct



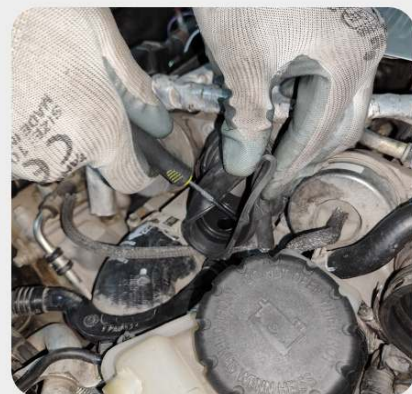
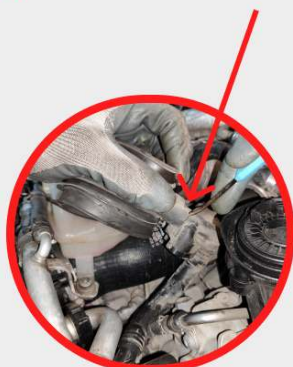
Step 7

Pull out the OEM Airbox from the turbo coupler. Then proceed to pull the Airboxes up to detach them from the grommets to remove the airboxes out.



Step 8

To remove the OEM turbo couplers completely, Use the flathead screw driver and the hook pick to remove the adhesive holding the breather lines connecting to the coupler from underneath. **(Proceed carefully as the stock couplers and breather lines are prone to break if handled roughly)**

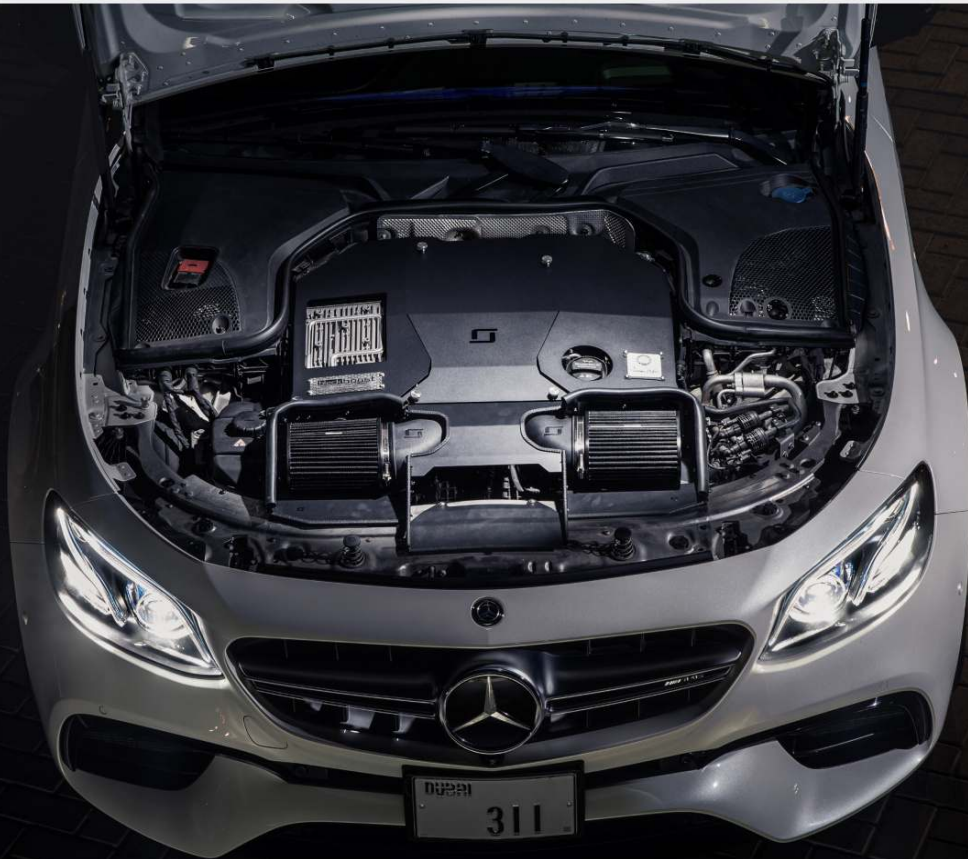


Step 9

Unclip the clips from the Air Inlet, and access the central clip from underneath the crash bar, where pressing on one side of the lock will disengage it, allowing you to completely remove it



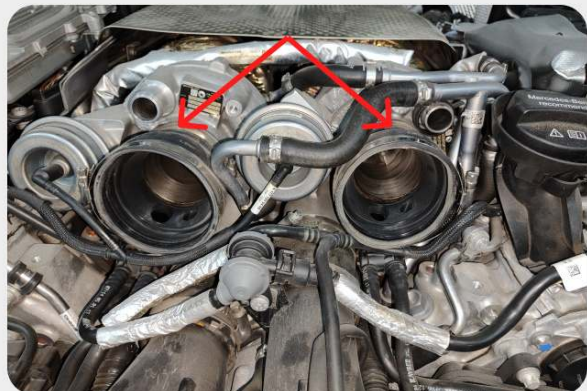
BlackBoost Cold Air Intake Installation



Blackboost Cold Air Intake Installation

Step 1

Install the BlackBoost couplers to the Turbo using the clamps.



Step 2

Connect both the diverter valves to the correct side of the Blackboost Airbox using the screws. Make sure to remove the O-ring and reinstall it once the Diverter valve is installed.



Step 3

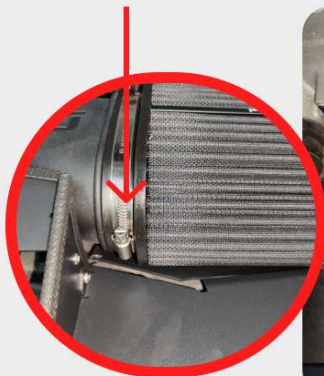
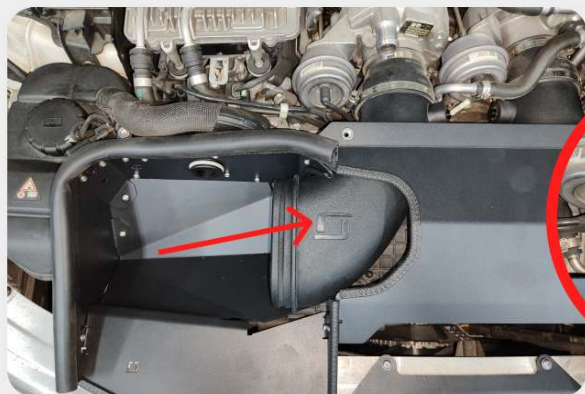
Place the Airbox as shown in the below picture.



Step 4

Insert the BlackBoost plastic tubes to the coupler. Install the BlackBoost filter using the clamps. Tighten the clamps of the turbo coupler. Then tighten the clamps of the filter.

(Only hand tighten it and make extra care to make sure you don't over tighten it)



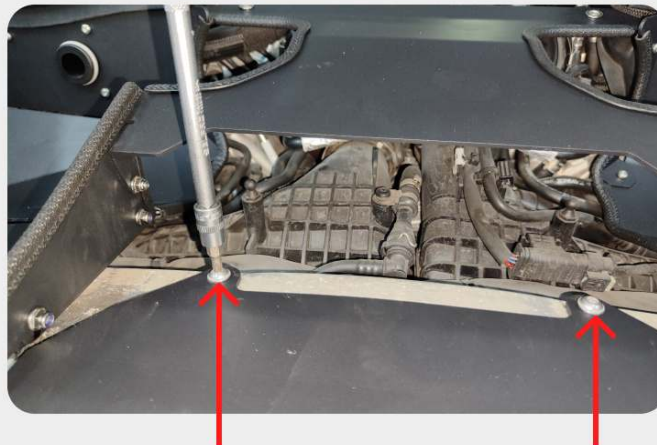
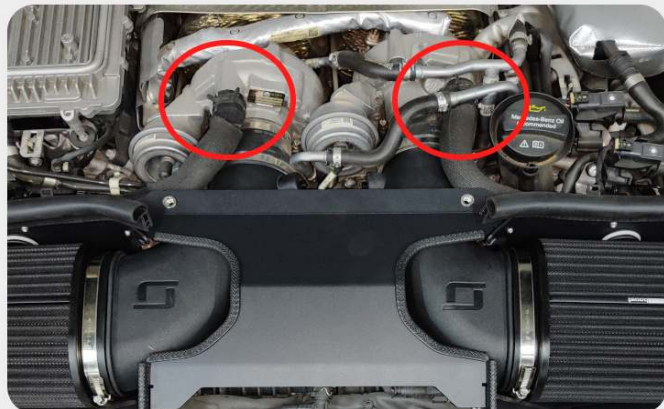
Step 5

Connect the MAP sensors onto the bungs on the BlackBoost airbox and be sure to connect the cables for both the MAP sensors and the diverter valves.



Step 6

Reconnect the Diverter Valve hoses back onto the Turbo and put the clamps back in place. Tighten the screws as show in the picture.



Step 7

Remove the nuts from both side and then screw the BlackBoost spacer to place the bracket as shown in the picture.



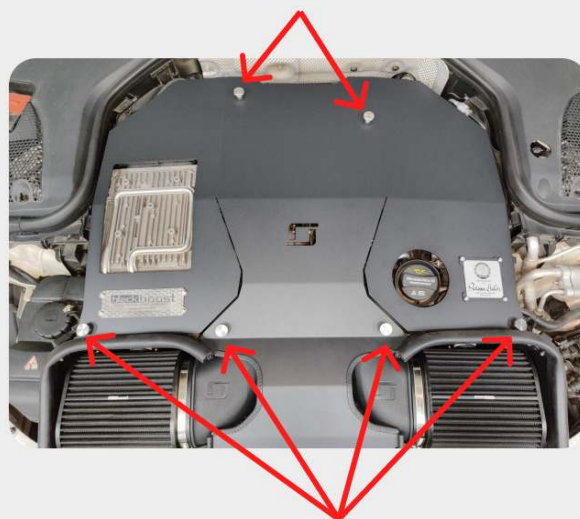
Step 8

Use the adhesive tape to attach the engine plate. Screw the BlackBoost logo plate on the engine cover.



Step 9

Place the BlackBoost engine cover on the spacer and use thumb screws to tighten it.





Thank you again for your purchase.

Hope you enjoy, drive safe & responsibly.

Disclaimer: *In no event will BlackBoost, or its affiliates be liable for any damage to your car, its components or yourself. Please be aware of local laws and regulations prior to installation.*