



Performance Air Intake Kit

Part Number: 827-739

BMW 2023-2024 X7 xDrive40i 3.0L Turbo

Installation Instructions

For technical inquiries please email us at tech@hpsperformance.com

In the email, please include the following information for faster response:

- Year / Make / Model / Engine of your vehicle
- If it is a fitment issue, please include pictures showing the fitment problem
- If there are missing parts, please list the part number(s) from the bill of materials on the 2nd page
- Optional but recommended – Your contact phone number and preferred call back time

You can also give us a call via 626-747-9200 for tech support Monday-Friday, 9:00am-5:00pm Pacific Time.

Bill of Materials

Kit Number: 827-739

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-948	1
2	Heat Shield	531-945	1
3	HPS Performance Air Filter	HPS-4302	1
4	Reducer Coupler, 4.00" - 4.25" ID, 2.50" Long	P3SR-400-425-L25	1
5	Reducer Coupler, 3.75" - 4.00" ID, 3.00" Long	P3SR-375-400-L3	1
6	Embossed Hose Clamp, 90mm - 110mm	EMSC-90-110	3
7	Embossed Hose Clamp, 100mm - 120mm	EMSC-100-120	1
8	Bolt, M4 x 0.7, 10mm Long	HW-B4-10	2
9	Bolt, M6 x 1.0, 12mm Long	HW-B6-12	2
10	Bolt, M6 x 1.0, 16mm Long	HW-B6-16	1
11	Flat Washer, M6, 16mm OD	HW-FW6L	3
12	Mounting Bung, M6	HSM-M6-1028	1
13	Bubble Edge Trim	7750B2X1/16C	17 inches
14	Bubble Edge Trim	7750B2X1/16C	42 inches
15	Velocity Stack Air Filter Adapter, 4" to 6"	HW-VS-400-600	1

- **Before installing any parts of this intake kit, please read the instructions thoroughly.**
- **Verify the contents of this intake kit before disassembling your vehicle.**
- **Report any defective or missing parts to HPS directly. The HPS dealer you purchased this product from might not have the replacement parts you need.**
- **Installation requires moderate mechanical skills. A qualified mechanic is highly recommended.**
- **Do not attempt to install the intake kit while the engine is hot.**
- **This installation may require the removal of coolant lines that may be hot.**
- **For technical inquiries, please email us at tech@hpsperformance.com**

PLEASE READ CAREFULLY BEFORE INSTALLATION!

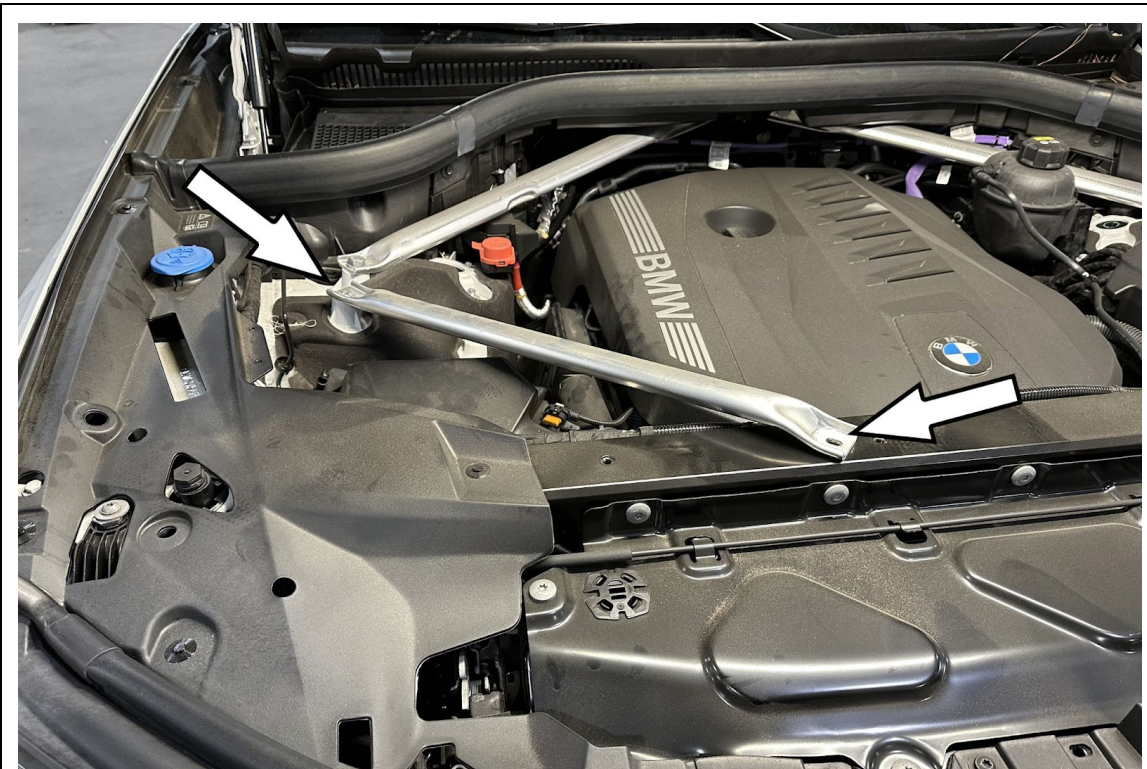
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

NOTE: HPS holds no responsibility for any engine damage that results from misuse of this product.

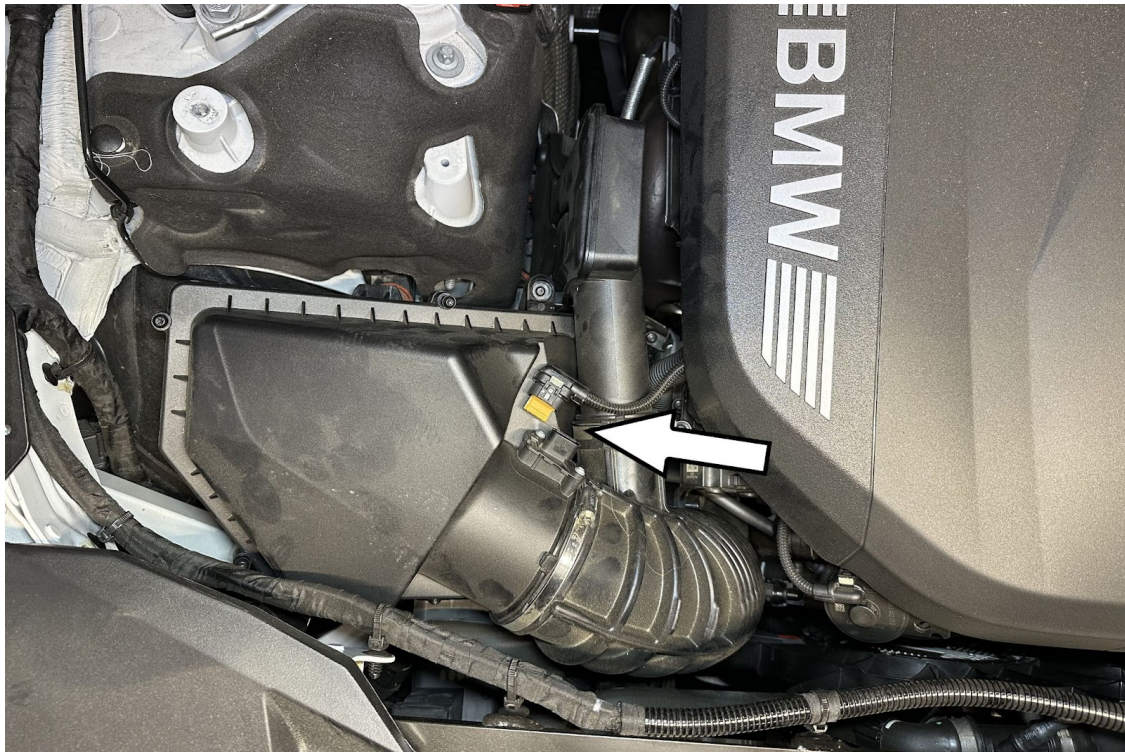
GETTING STARTED

1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If the engine has run within the past two hours, let it cool down.

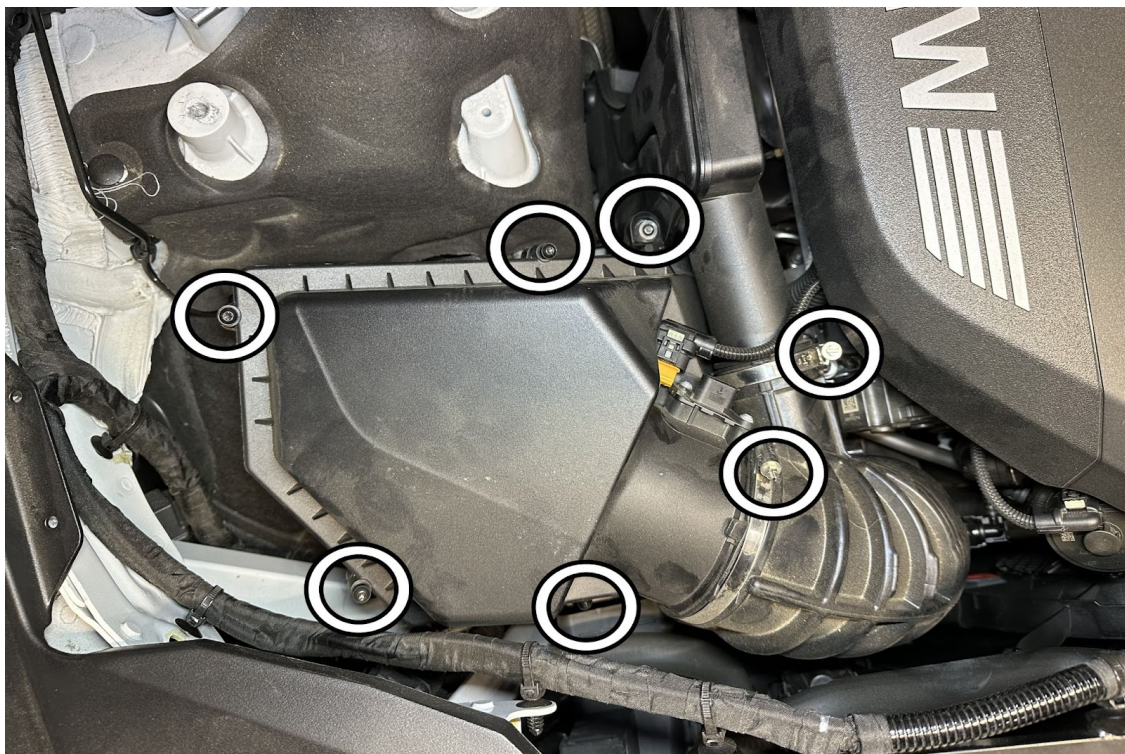
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicle's anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicle's anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.



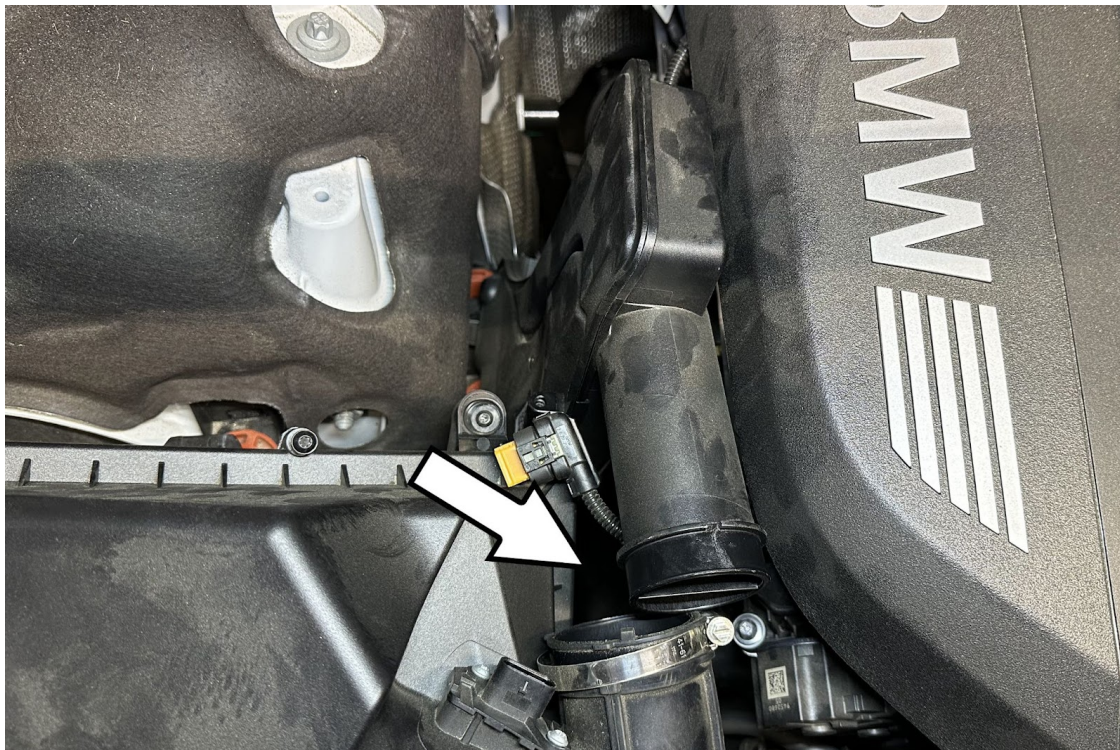
2. Remove the two bolts securing the factory strut tower brace.



3. Disconnect the mass air flow sensor electrical connector.



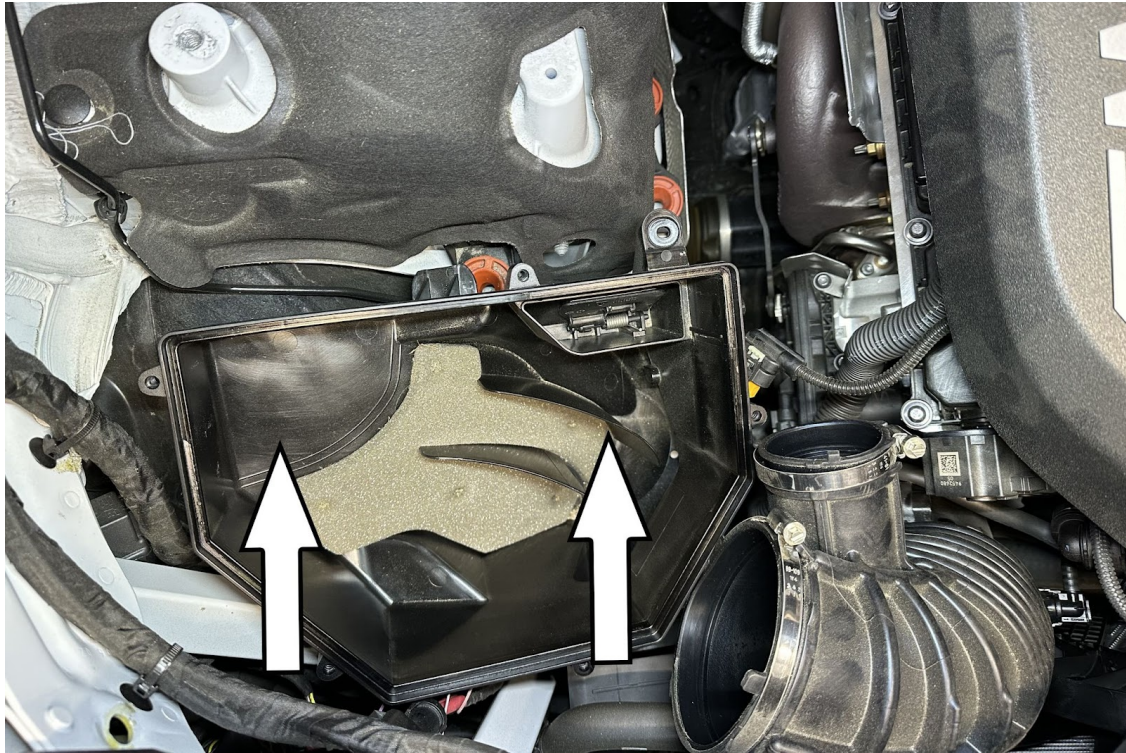
4. Loosen the Torx bolts securing the upper air box. Loosen the hose clamps securing the intake hose from the upper air box and resonator. Remove the Torx bolt securing the resonator from the upper air box assembly.



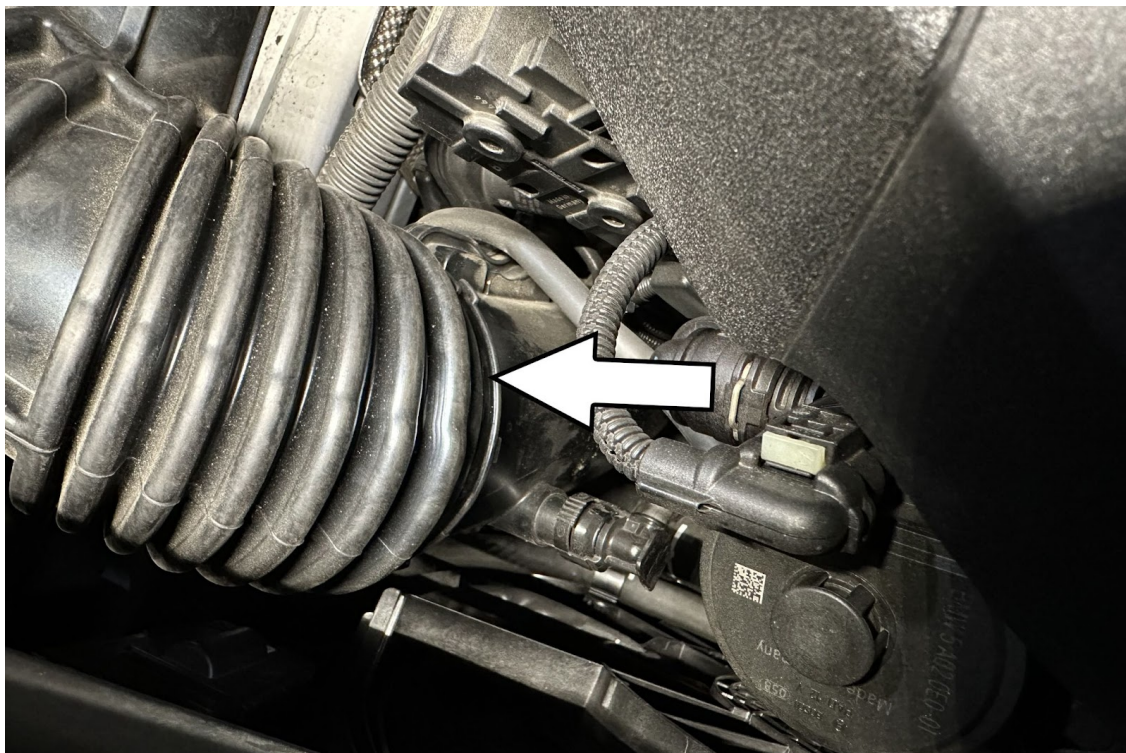
5. Disconnect the resonator from the intake hose and remove it from the vehicle.



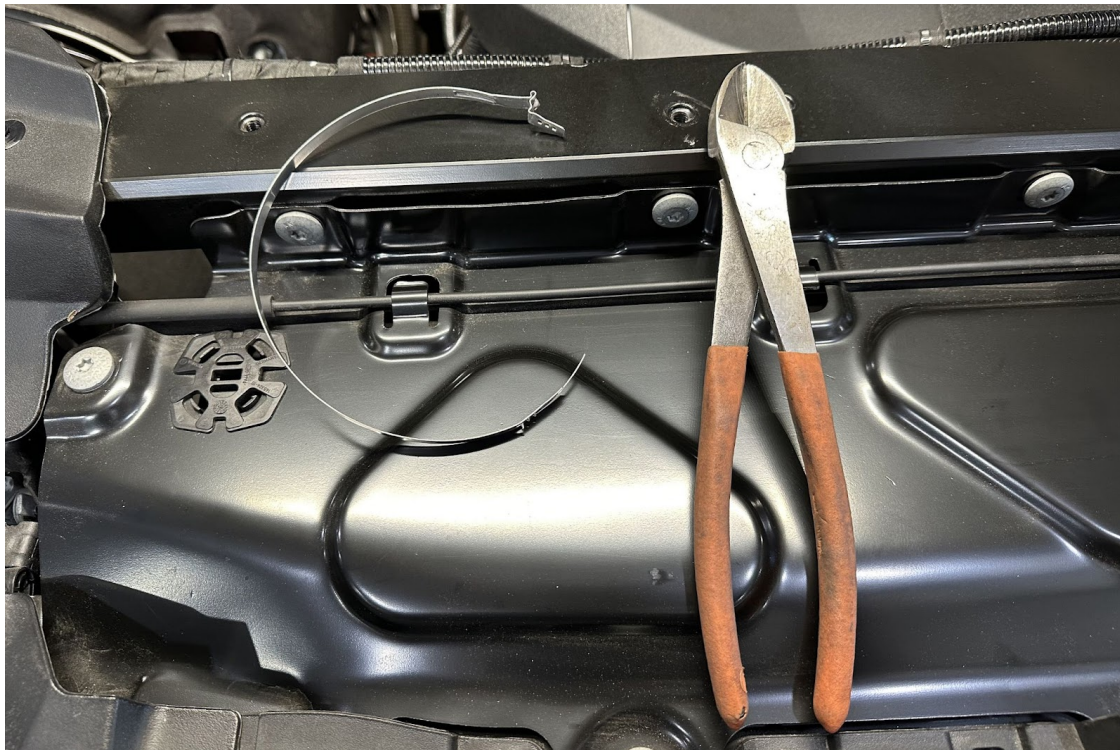
6. Disconnect the intake hose from the upper air box and remove the upper air box from the vehicle.



7. Gently, lift the lower air box to disconnect it from the grommets. Remove the lower air box from the vehicle.



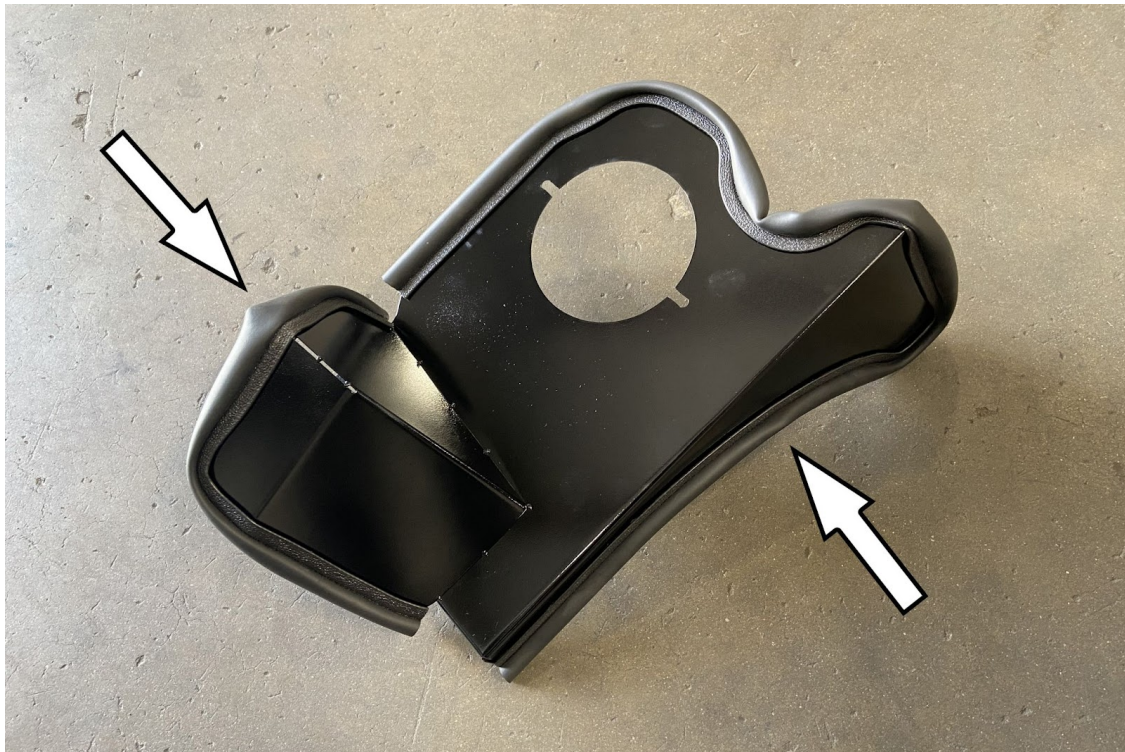
8. Locate the hose clamp securing the intake hose to the turbo inlet.



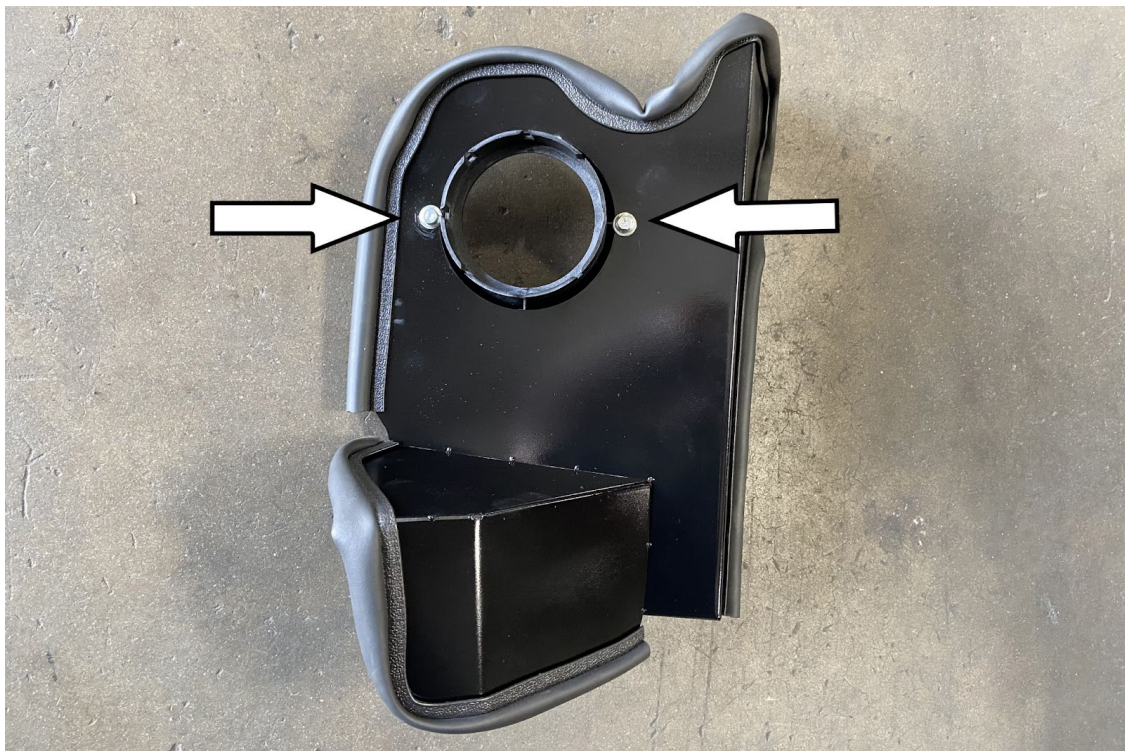
9. Using a pair of pliers, remove the ear clamp at the turbo inlet to remove the intake hose from the vehicle.



10. Transfer the MAF sensor from the stock air box onto the HPS intake pipe. Secure the MAF sensor using the two provided M4 bolts.



11. Secure the provided bubble edge trim onto the HPS heat shield as shown in the image above.



12. Secure the velocity stack onto the HPS heat shield using two of each provided M6x12mm long bolts and washers.



13. Secure the provided M6 mounting bung onto the heat shield using the provided M6x16mm bolt and washer.



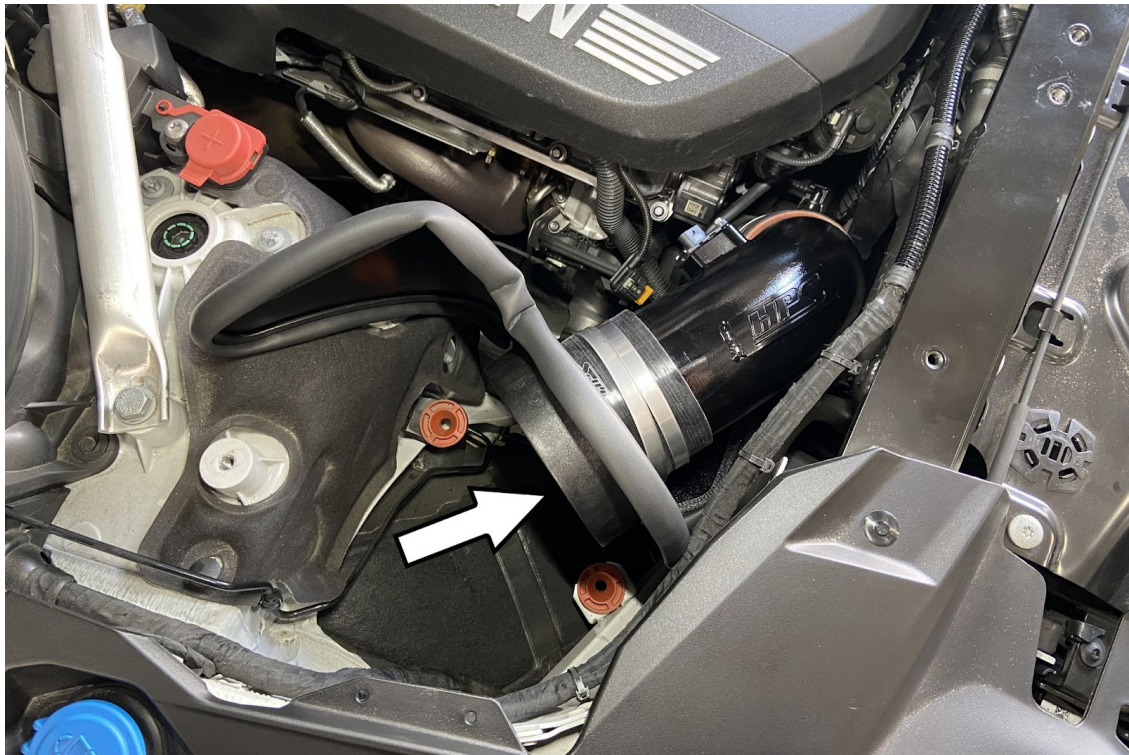
14. Loosely install the larger provided reducer coupler onto the HPS intake pipe using one of each EMSC-90-110 and EMSC-100-120 clamp.



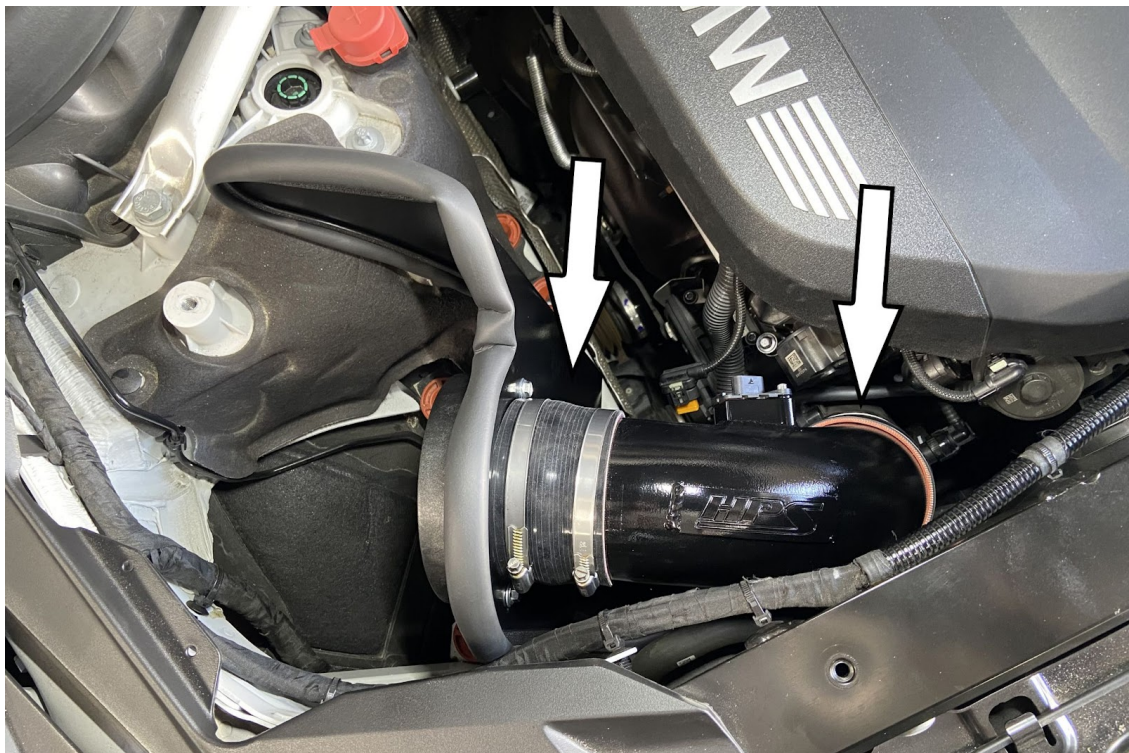
15. Push the HPS intake pipe into the velocity stack. Then slide the reducer coupler and clamps over.



16. Install the smaller reducer coupler and two provided EMSC-90-110 clamps onto the turbo inlet.



17. Place the HPS intake pipe and heat shield assembly into the vehicle. Push the M6 mounting bung into the factory grommet and the pipe into the coupler at the turbo inlet.



18. Once the intake and heat shield are both in position, tighten down all of the clamps.



19. Reconnect the MAF sensor harness connector.



20. Install the provided HPS performance air filter.



21. Reinstall the factory tower brace.

FINAL STEPS

Once the intake has been positioned, tighten all of the clamps and secure all of the parts.

Upon completion of the installation, reconnect the negative battery terminal before you start the engine. Double check to make sure everything is tight and properly positioned before starting the vehicle.

Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. Listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that may be causing leaks or rattles and correct the problem.

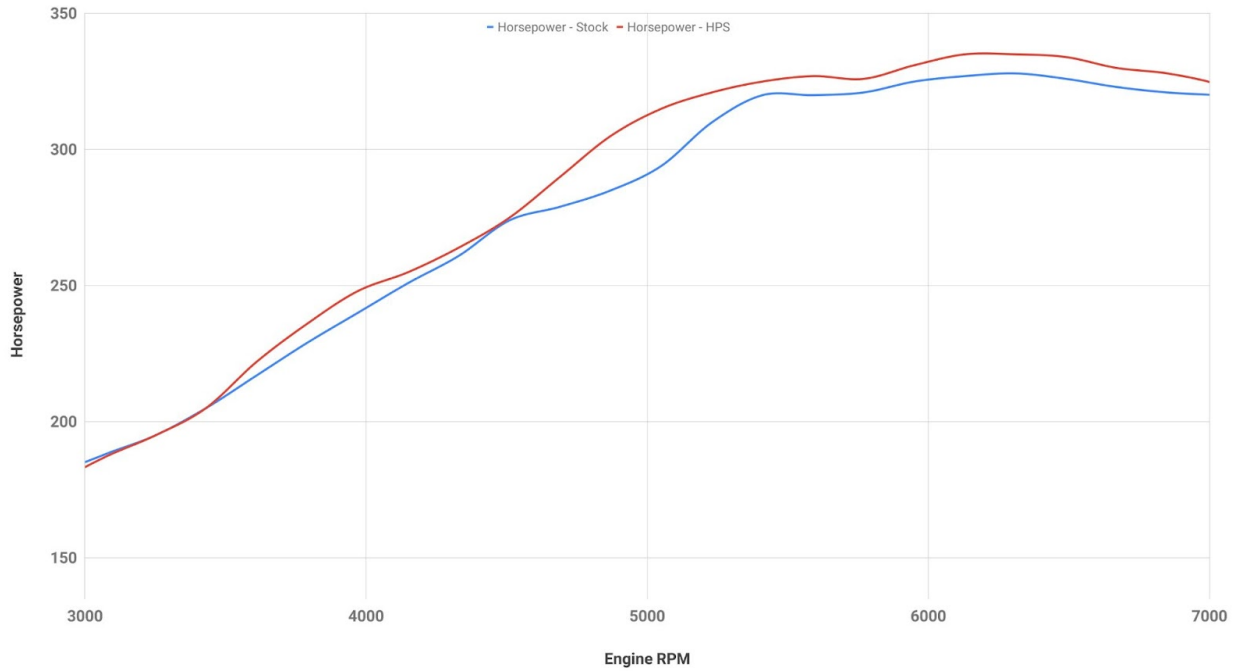
Periodically, recheck the alignment of the intake kit and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2023-2024 BMW X7 xDrive40i 3.0L Turbo
Part Number: 827-739

Maximum Horsepower Gains = 21 whp @ 5050 rpm

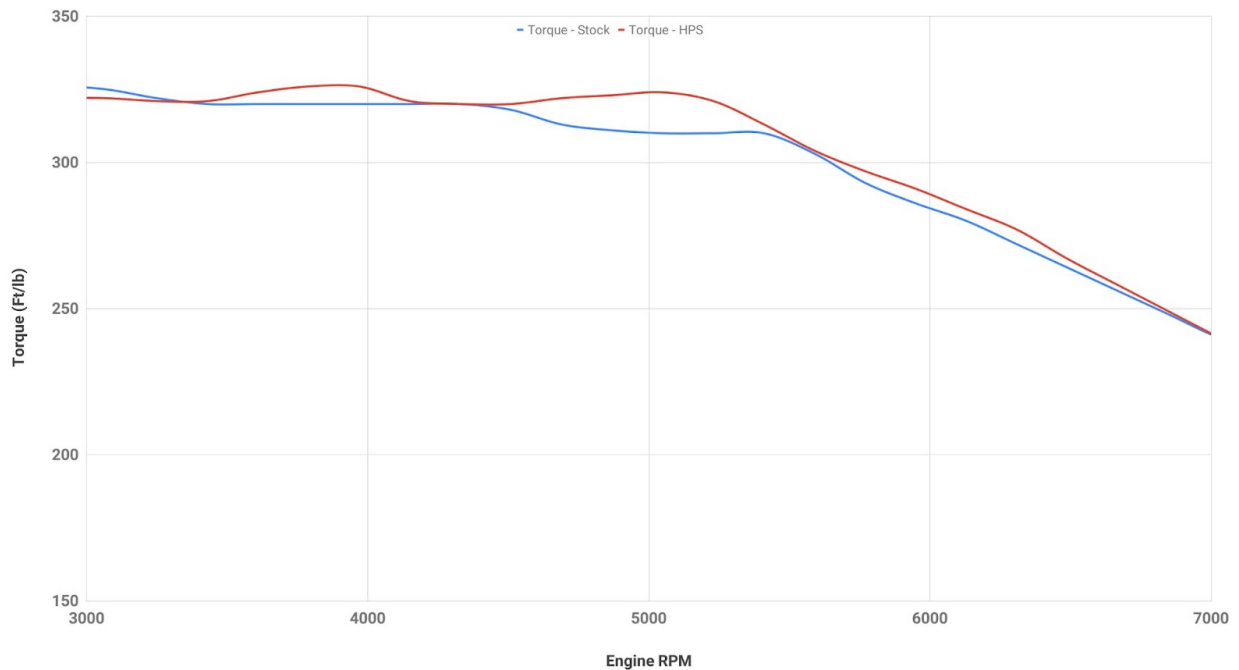
Tested Vehicle 2023 BMW X7 xDrive40i 3.0L



HPS Performance Air Intake Kit with Heat Shield (827 Series)
2023-2024 BMW X7 xDrive40i 3.0L Turbo
Part Number: 827-739

Maximum Torque Gains = 14 ft/lb @ 5050 rpm

Tested Vehicle 2023 BMW X7 xDrive40i 3.0L



Also available for
BMW 2023-2024 X7 xDrive40i 3.0L Turbo



HPS Performance Replacement Air Filter
For Intake Kit 827-739
Part Number [HPS-4302](#)



HPS Performance Air Filter
Cleaning and Recharge Kit
Part Number [HPS-AFRC](#)



HPS Performance Stainless Steel Magnetic
Oil Drain Plug
Part Number [MDP-M12x150](#)



HPS Performance Titanium
Coolant Bleed Screw
Part Number [HW22-1001](#)

Contact an authorized HPS Performance dealer or
visit us at hpsperformance.com for more details