



## **Performance Air Intake Kit**

### **Part Number: 827-702**

**2019-2023 BMW X5 xDrive40i 3.0L B58, G05**  
**2020-2023 BMW X5 sDrive40i 3.0L B58, G05**  
**2021-2023 BMW X5 xDrive45e 3.0L B58 PHEV, G05**  
**2020-2023 BMW X6 xDrive40i 3.0L B58, G06**  
**2020-2023 BMW X6 sDrive40i 3.0L B58, G06**  
**2019-2022 BMW X7 xDrive40i 3.0L B58, G07**

## **Installation Instructions**

For technical inquiries please email us at [tech@hpsperformance.com](mailto: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: 827-702

| Line # | Description                                       | Part Number     | Qty       |
|--------|---------------------------------------------------|-----------------|-----------|
| 1      | Air Intake Pipe                                   | 529-887         | 1         |
| 2      | Heat Shield                                       | 531-888         | 1         |
| 3      | HPS Performance Air Filter                        | HPS-4303        | 1         |
| 4      | Reducer Coupler 3.25" - 3.50" ID, 3.00" Long      | P3SR-325-350-L3 | 1         |
| 5      | 3.50" Hump Coupler, 3.50" ID, 3.00" Long          | P3SHC-350-L3    | 1         |
| 6      | T-bolt Clamp for 3.50" Hose                       | SSTC-89-97      | 2         |
| 7      | Embossed Hose Clamp, 80mm-100mm                   | EMSC-80-100     | 2         |
| 8      | Bubble Edge Trim                                  | 7750B2X1/16C    | 50 inches |
| 9      | Velocity Stack Air Filter Adapter, 3.50" to 6.00" | HW-VS-350-600   | 1         |
| 10     | Bolt, M6 x 1.0, 12mm Long                         | HW-B6-12        | 3         |
| 11     | Flat Washer, M6, 16mm OD                          | HW-FW6L         | 3         |
| 12     | Mounting Bung, M6                                 | HSM-M6-1028     | 1         |
| 13     | Bolt, M4 x 0.7, 8mm Long                          | HW-B4-10        | 2         |

- 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](mailto: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.



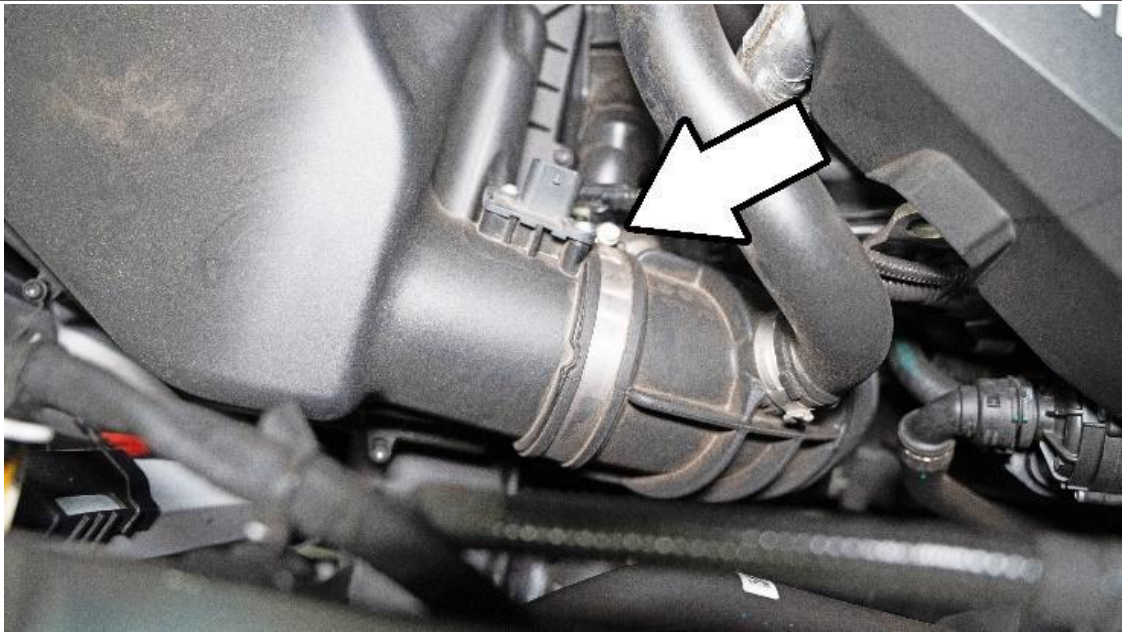
2. Remove the passenger side strut tower brace using an E12 and 18mm socket.



3. Disconnect the mass air flow sensor electrical connector.



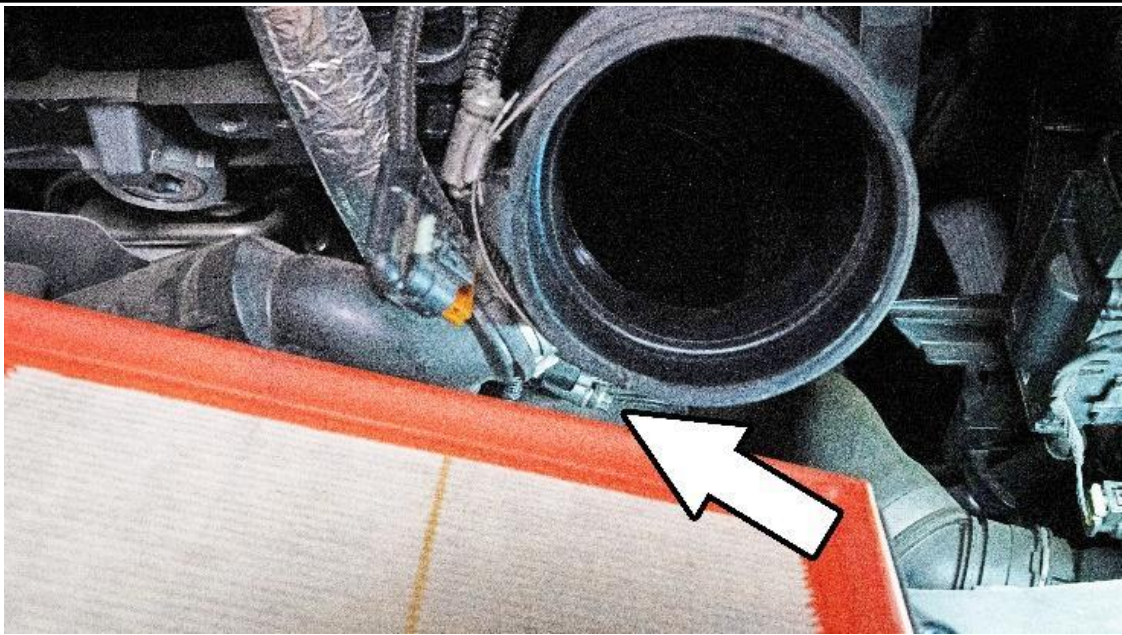
4. Loosen the six bolts securing the upper air box using a T25 Torx bit.



5. Loosen the hose clamp securing the intake hose to the upper air box.



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



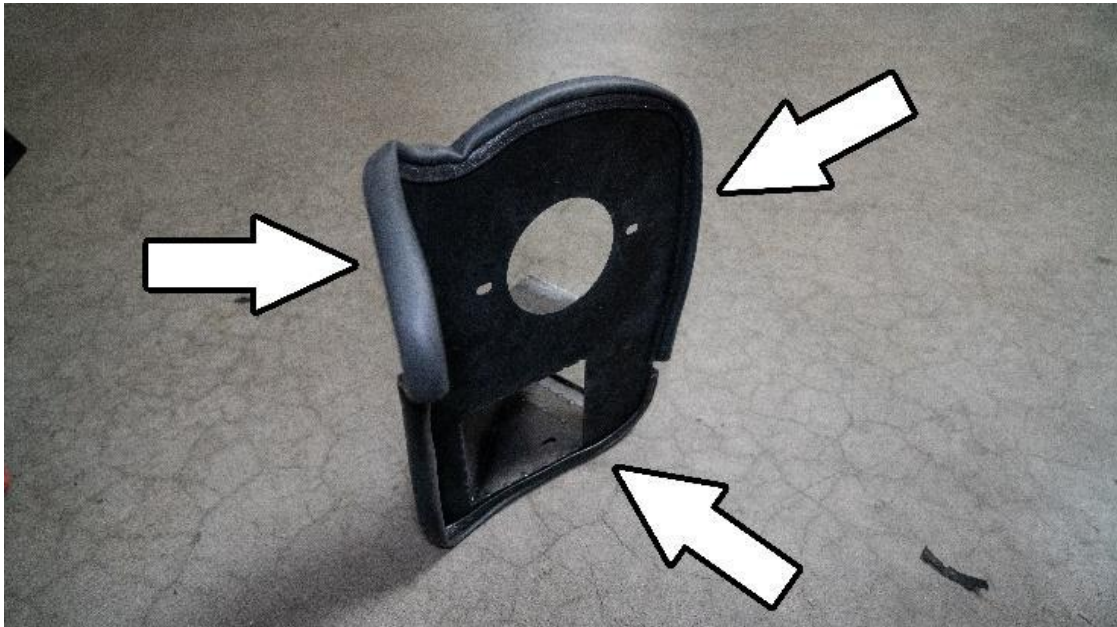
7. Loosen the hose clamp securing the intake hose to the turbo inlet housing.



8. Lift up and separate the lower air box from its mounting grommets. Disconnect the hose from the turbo inlet housing and then carefully remove the lower airbox from the engine bay.



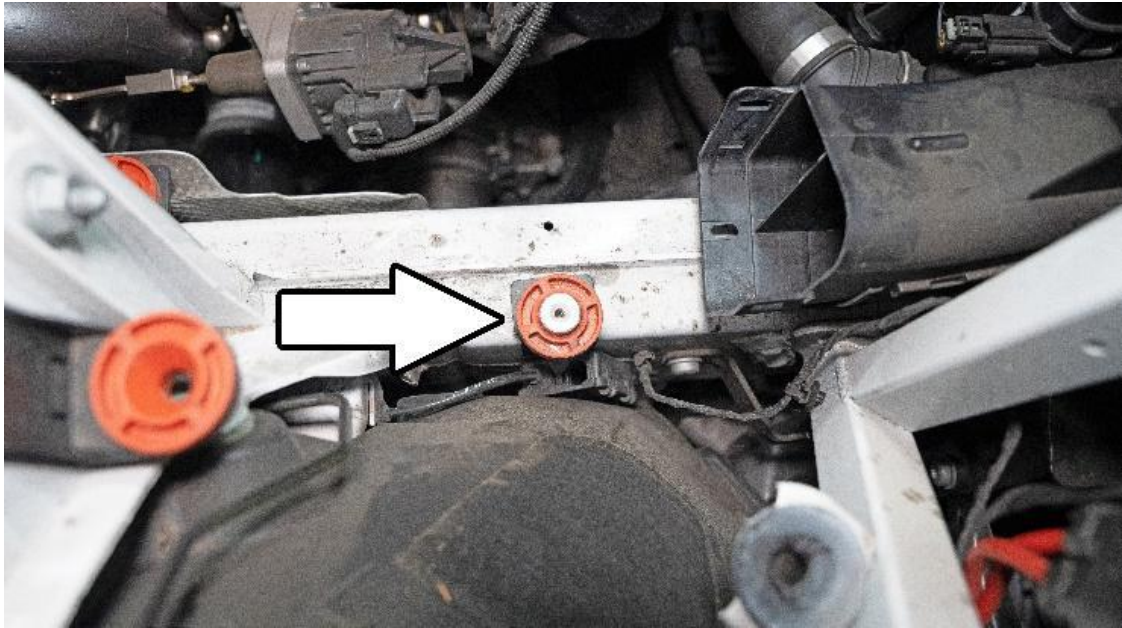
9. Secure the provided reducer coupler onto the turbo inlet using the provided embossed hose clamps. Leave the outer clamp loose at this time as the pipe will need to be installed in later steps.



10. Secure the provided bubble edge trim onto the HPS heat shield.



11. Secure the provided velocity stack onto the heat shield using two of each provided M6 bolts and washers.



12. Insert the provided M6 bung into the bottom factory heat shield grommet.



13. Transfer and secure the MAF sensor from the upper airbox to the HPS intake pipe using the two provided M4 bolts.



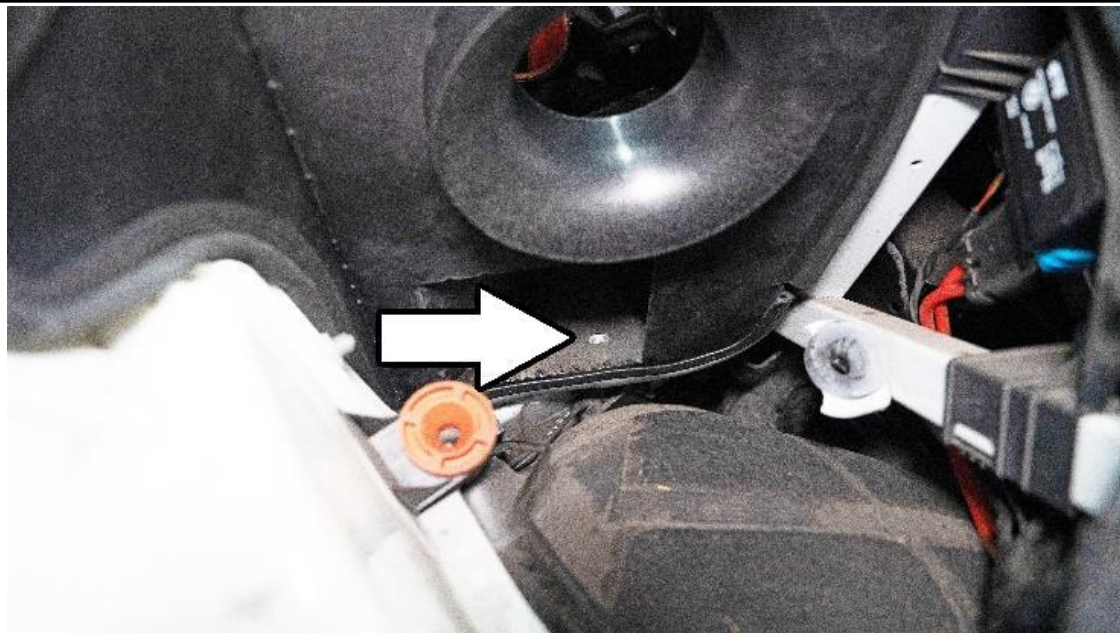
14. Slip the HPS hump coupler onto the sensor side of the HPS intake pipe and secure it with the provided T-bolt clamps.



15. Slip the HPS intake into the reducer coupler at the turbo inlet.



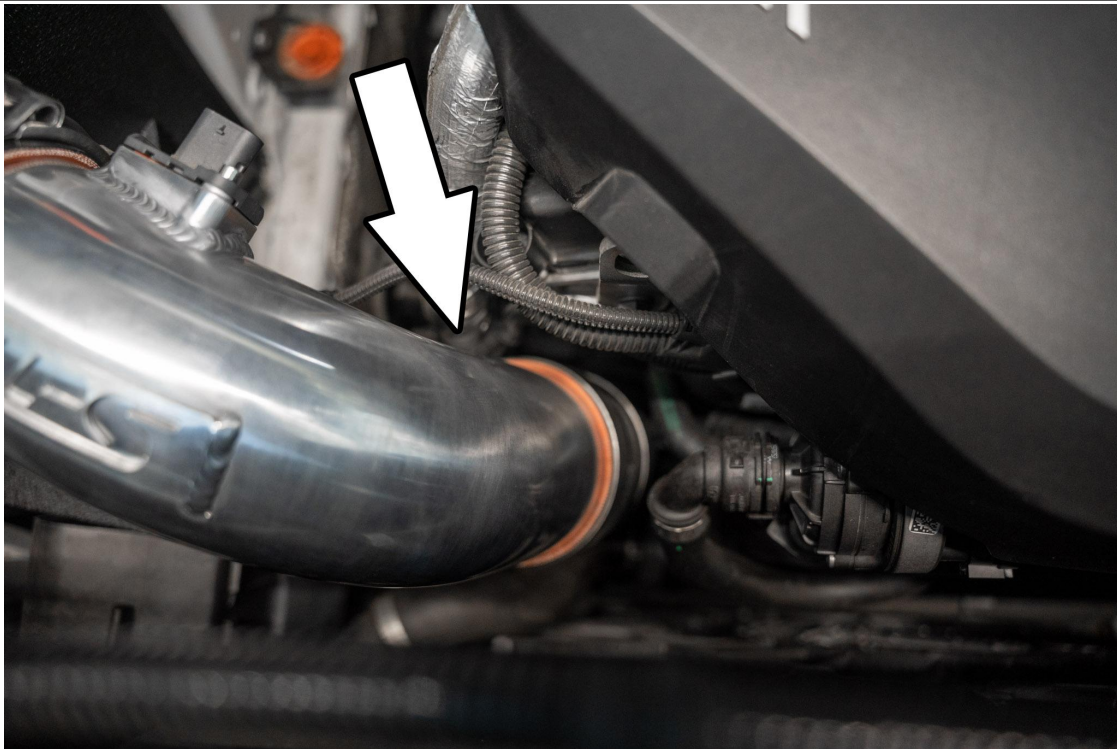
16. Place the heat shield into the vehicle.



17. Secure the heat shield onto the M6 bung using one of each provided M6 bolt and washer.



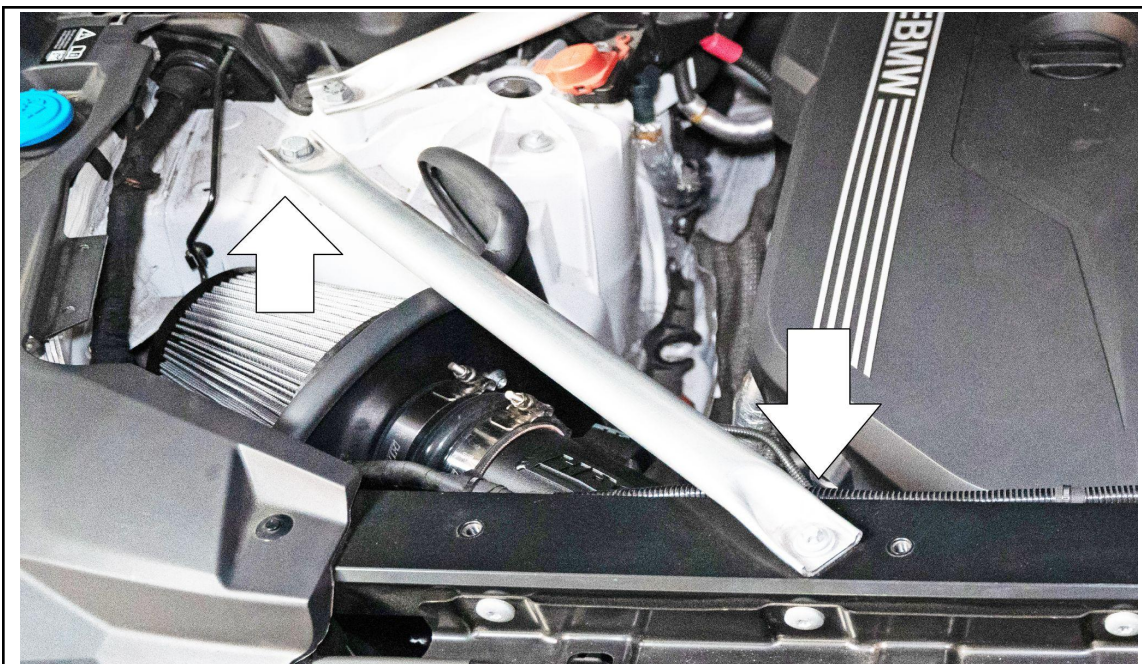
18. Slip the hump coupler onto the velocity stack and fasten the T-bolt clamp to secure it in place.



19. Fasten the remaining embossed clamp to secure the reducer coupler onto the intake pipe.



20. Secure the HPS performance air filter to the velocity stack and then reconnect the MAF sensor.



21. Reinstall the passenger side strut 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.



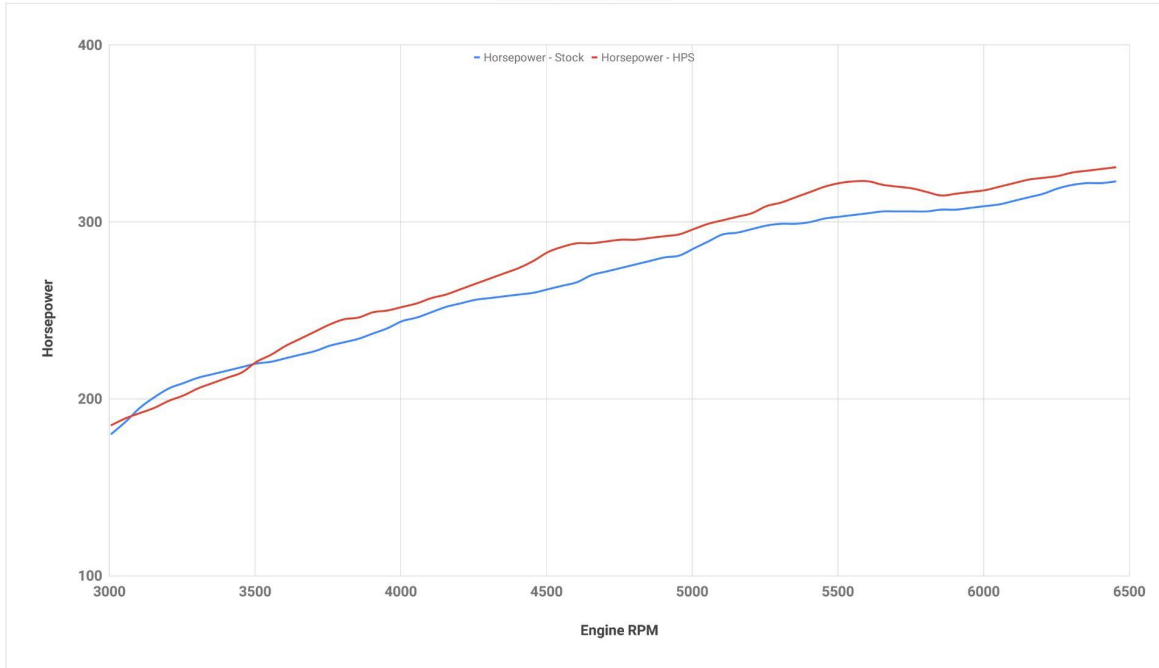
**HPS Performance Air Intake Kit with Heat Shield (827 Series)**

2019-2023 BMW X5 xDrive40i 3.0L B58, G05  
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2019-2022 BMW X7 xDrive40i 3.0L B58, G07

Part Number: 827-702

**Maximum Horsepower Gains = 22 whp @ 4555 rpm**

\*Tested Vehicle 2020 BMW X5 xDrive40i 3.0L B58



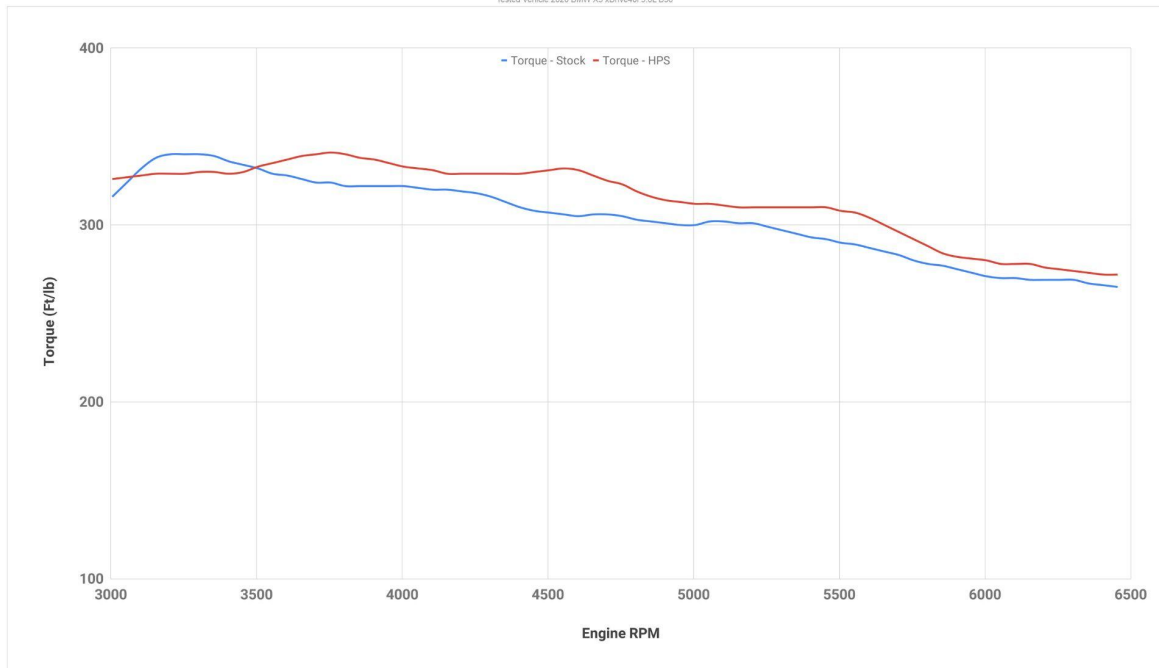
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2019-2022 BMW X7 xDrive40i 3.0L B58, G07

Part Number: 827-702

**Maximum Torque Gains = 26 ft/lb @ 4555 rpm**

\*Tested Vehicle 2020 BMW X5 xDrive40i 3.0L B58



## Also available for:

2019-2023 BMW X5 sDrive40i / xDrive40i / xDrive45e (PHEV) 3.0L B58, G05  
2020-2023 BMW X6 sDrive40i / xDrive40i 3.0L B58, G06  
2019-2022 BMW X7 xDrive40i 3.0L B58, G07



**HPS Performance Replacement Air Filter**  
**For Intake Kit 827-702**  
**Part Number [HPS-4303](#)**



**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](https://hpsperformance.com) for more details