



Performance Air Intake Kit

Part Number: 827-771

BMW 2022-2024 M240i 3.0L Turbo*

BMW 2020-2024 M340i 3.0L Turbo*

BMW 2021-2024 M440i 3.0L Turbo*

BMW 2022-2024 M440i Gran Coupe 3.0L Turbo*

***(Includes xDrive models)**

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: 827-771

Line #	Description	Part Number	Qty
1	Air Intake Pipe	529-960	1
2	Heat Shield	531-961	1
3	Heat Shield Lid	531-962	1
4	HPS Performance Air Filter	HPS-4303	1
5	Straight Coupler, 3.00" ID, 2.00" Long	P3SC-300-L2	1
6	Straight Coupler, 3.50" ID, 2.00" Long	P3SC-350-L2	1
7	Embossed Hose Clamp, 70mm - 90mm	EMSC-70-90	2
8	Embossed Hose Clamp, 80mm - 100mm	EMSC-80-100	2
9	Bolt, M4 x 0.7, 10mm Long	HW-B4-10	2
10	Bolt, M5 x 0.8, 12mm Long	HW-B5-12	5
11	Bolt, M6 x 1.0, 12mm Long	HW-B6-12	5
12	Flat Washer, M6, 16mm OD	HW-FW6L	5
13	Mounting Bung, M6	HSM-M6-1028	3
14	Quick Connect Flange	CNC-QC-MK520	1
15	Bubble Edge Trim	7750B2X1/16C	23 inches
16	Thin Edge Trim	75B7X1/16	10 inches

- 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!

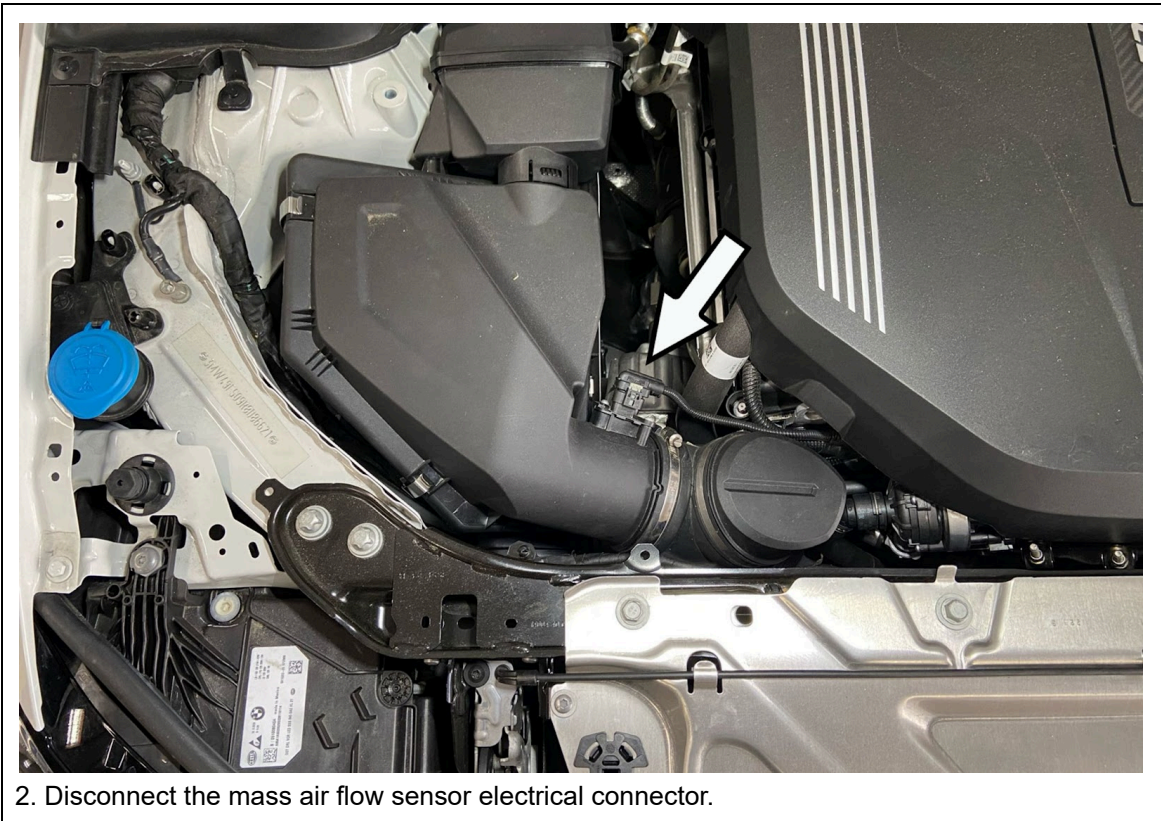
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

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

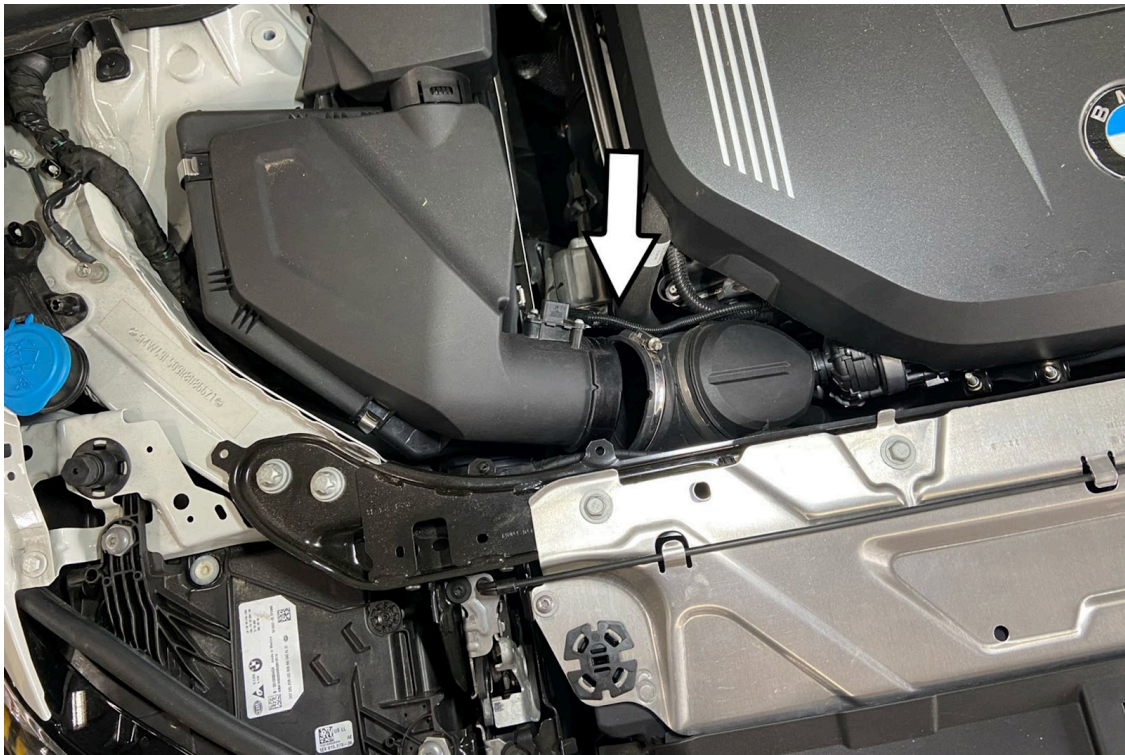
GETTING STARTED

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.

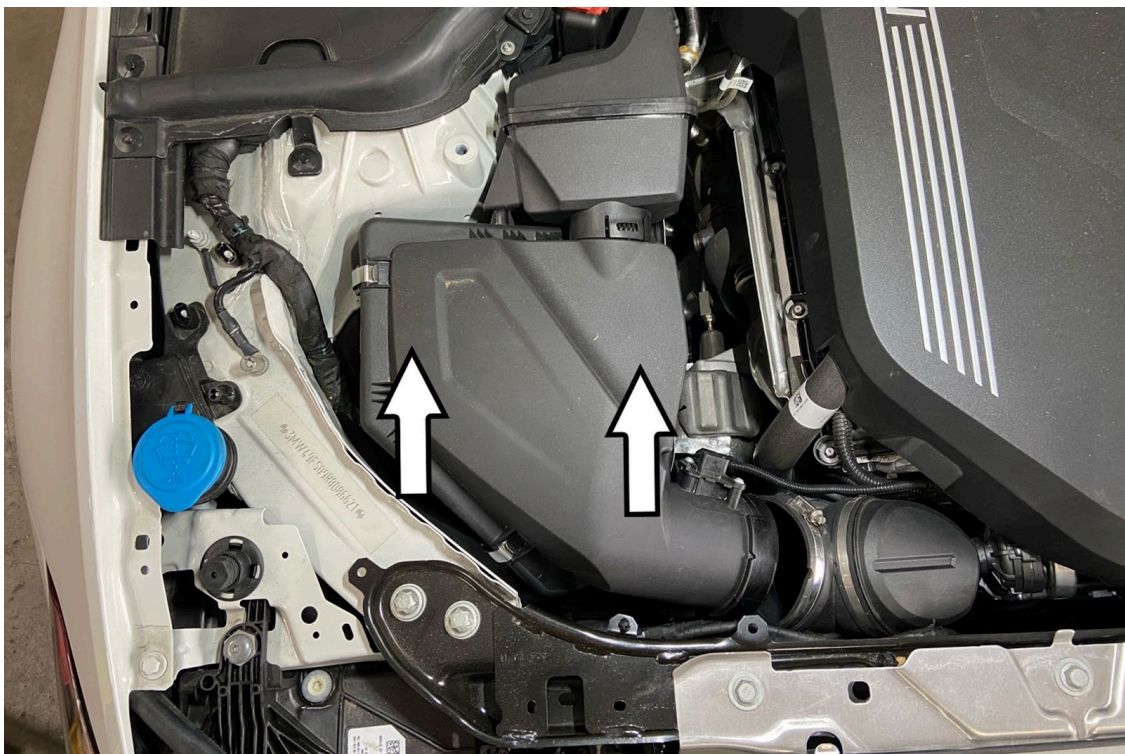
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied 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. Disconnect the mass air flow sensor electrical connector.



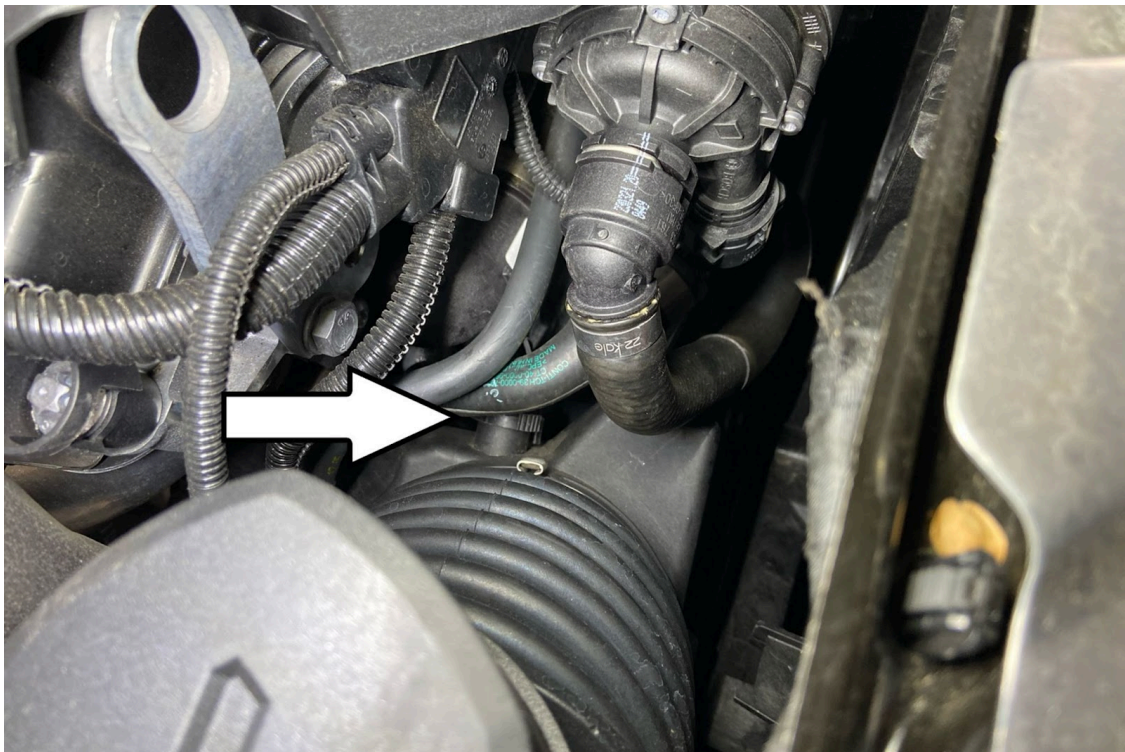
3. Loosen the hose clamp to disconnect the intake hose from the air box assembly.



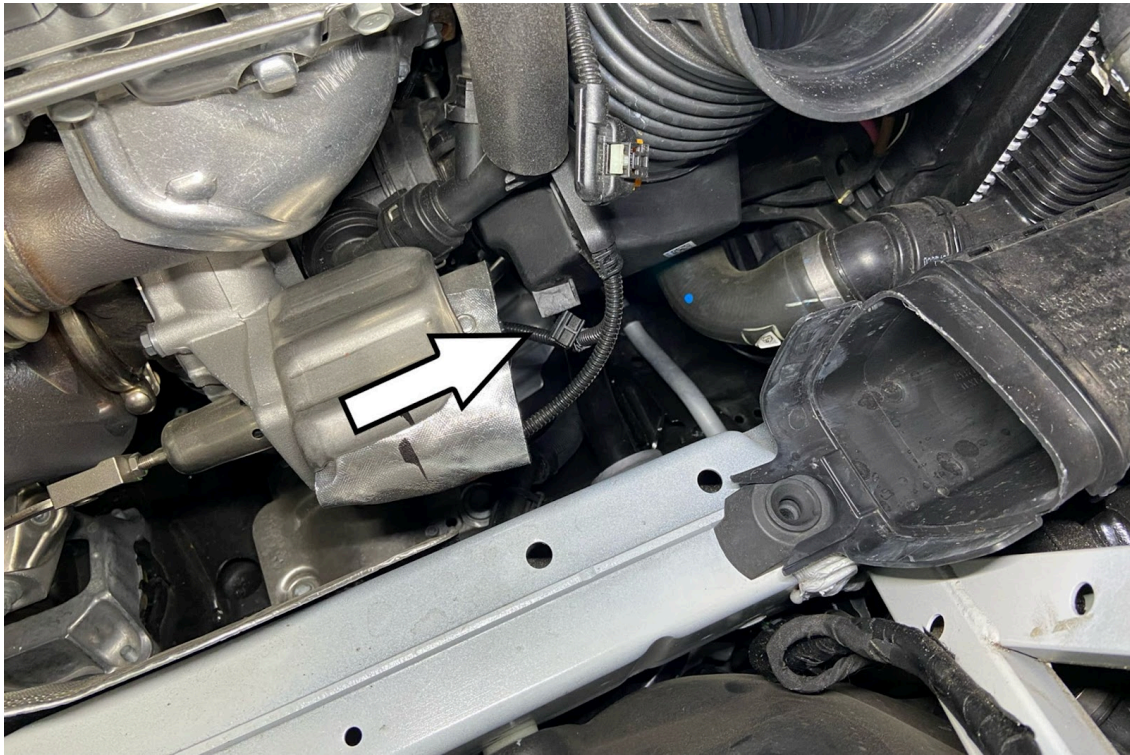
4. Lift the air box assembly from its grommets.



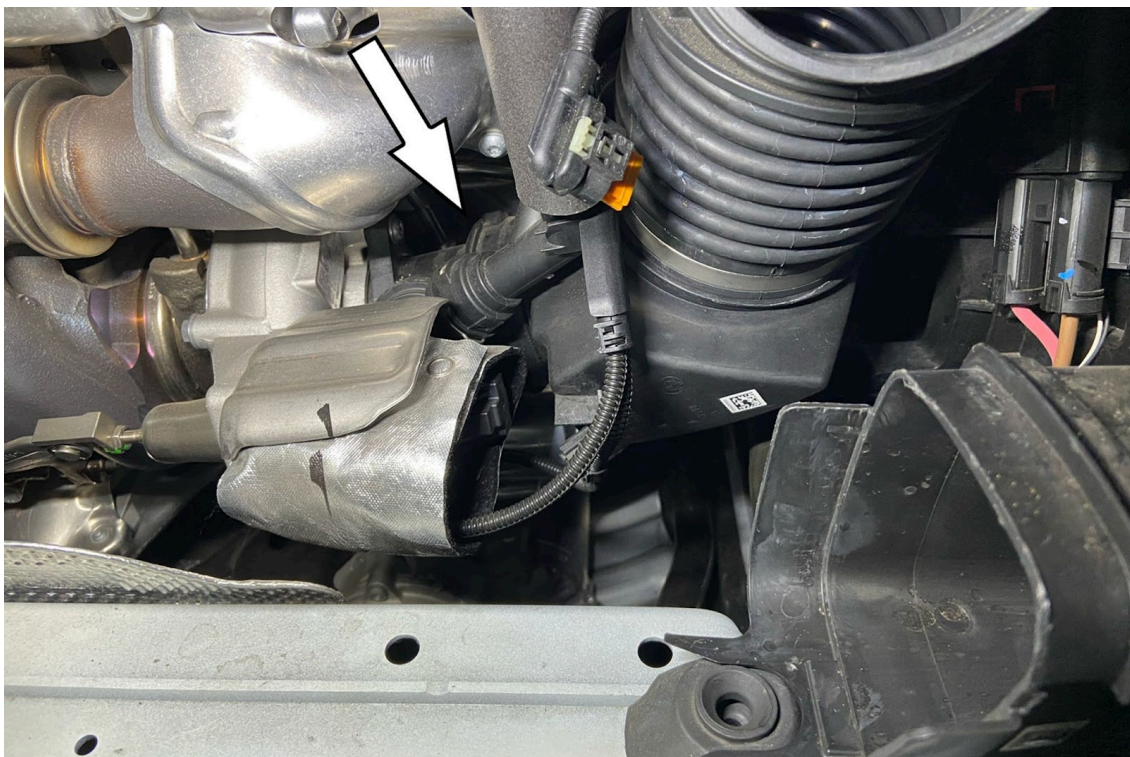
5. Remove the air box assembly from the vehicle.



6. Disconnect the crank case breather hose from the intake tube.



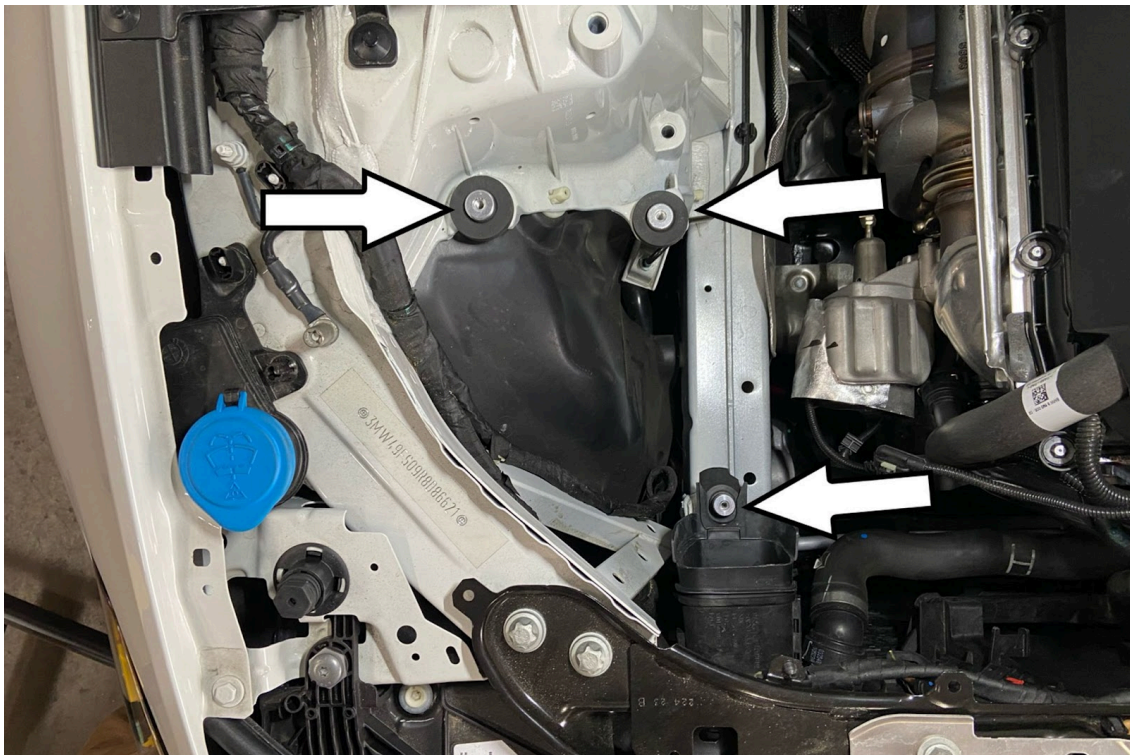
7. Disconnect the electrical harness clip from the intake tube.



8. Using a flat head, push down on the retaining clip to separate the intake tube from the turbo inlet.



9. Remove the intake tube from the vehicle.



10. Push the three provided M6 mounting bungs into the factory air box rubber grommets.



11. Remove the O-ring and retaining clip from the factory intake tube.



12. Install the factory O-ring and retaining clip onto the provided quick connect.



13. Secure the 3.00" coupler to the quick connect using the two provided EMSC-70-90 clamps.



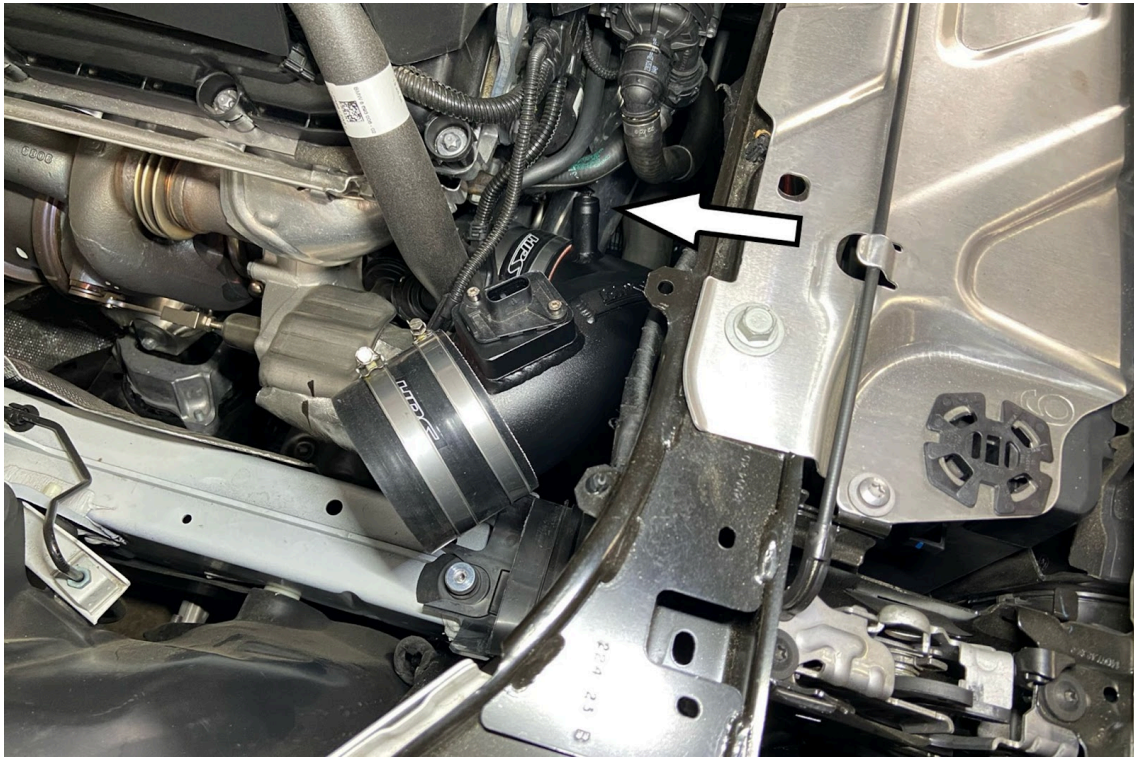
14. Secure the quick connect and coupler to the HPS intake pipe as shown.



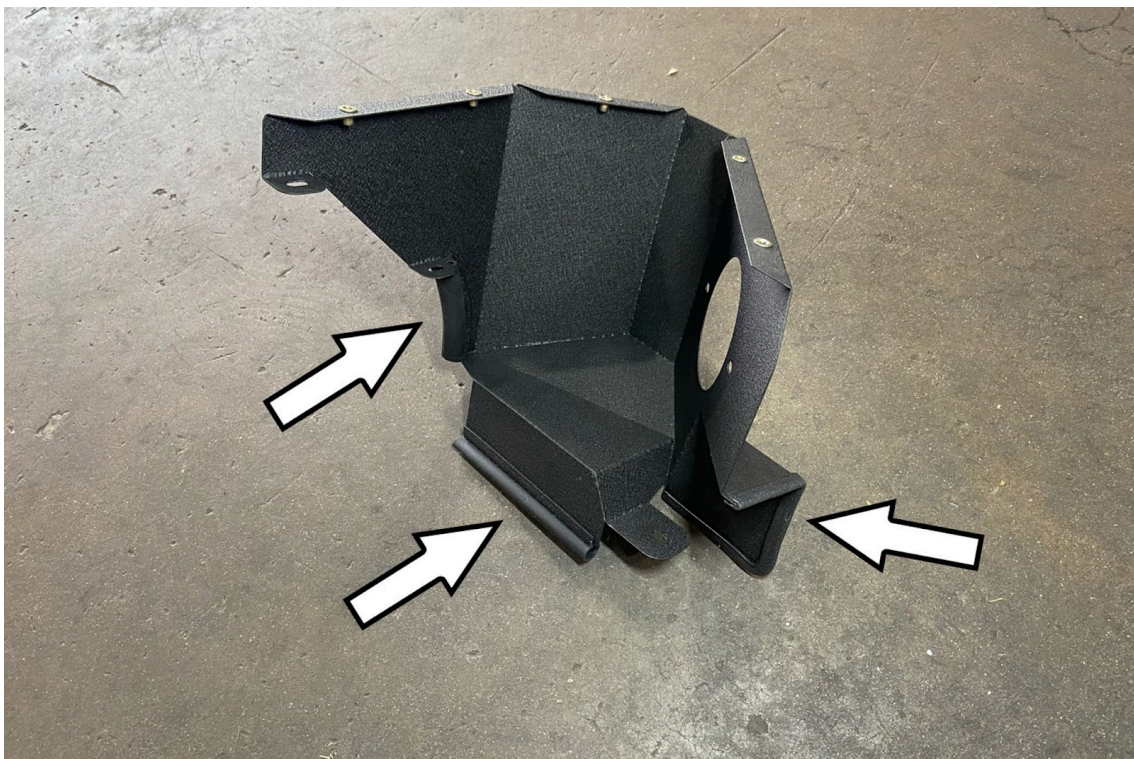
15. Remove the mass air flow sensor from the factory upper air box and secure it to the HPS intake pipe using the two provided M4 Allen bolts.



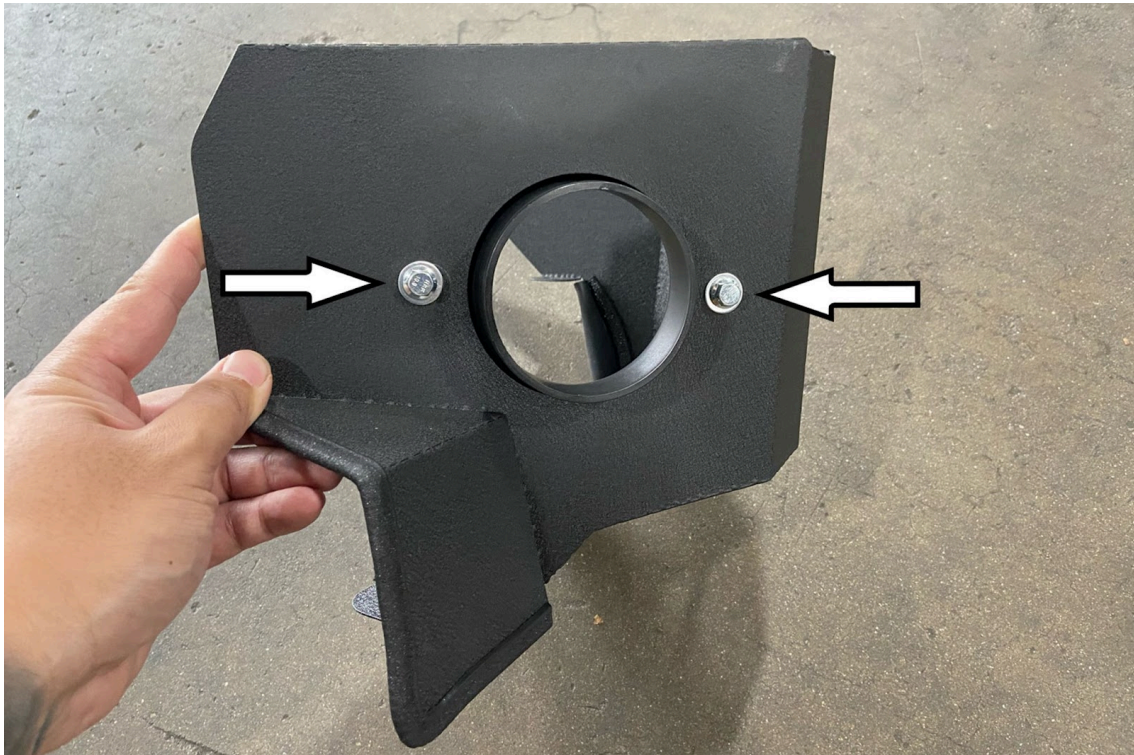
16. Secure the 3.50" coupler onto the HPS intake pipe using the two provided EMSC-80-100 clamps.



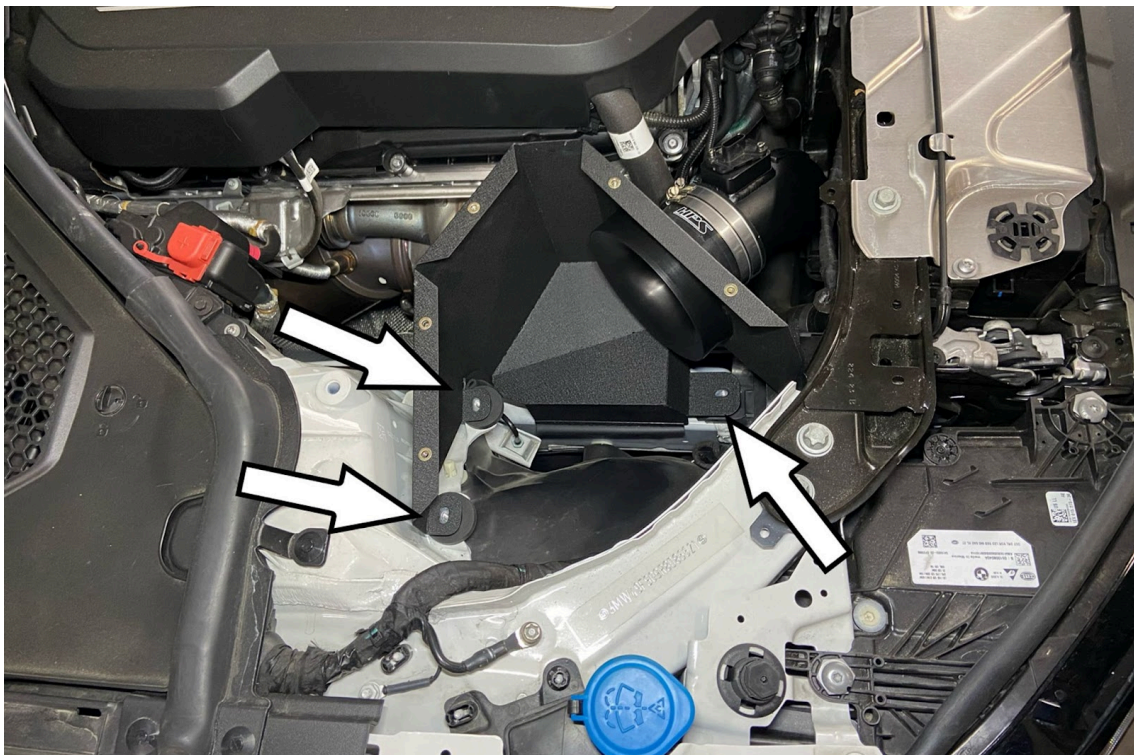
17. Secure the quick connect to the turbo inlet and reconnect the breather hose.



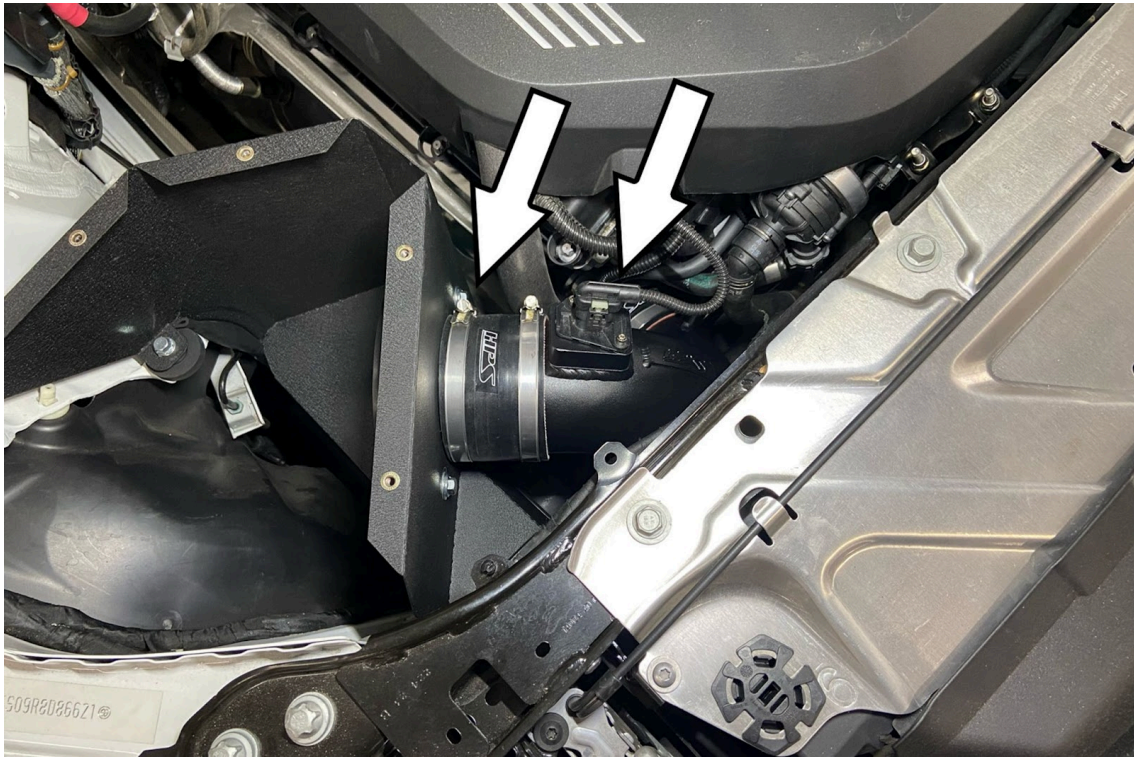
18. Install the provided bubble and thin edge trim onto the heat shield as shown in the image above.



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



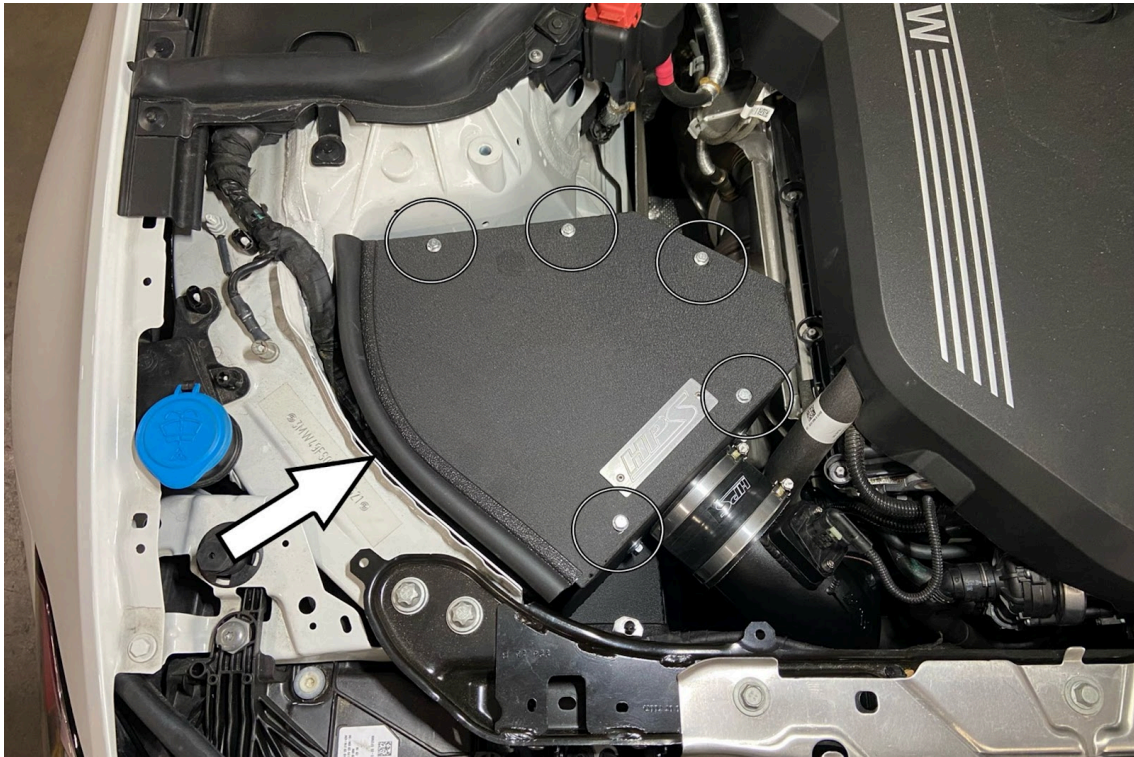
20. Slip the coupler over the end of the velocity stack and secure the heat shield to the M6 bungs using three of each provided M6 bolts and washers.



21. Once the heat shield and pipe are in place, tighten the clamp onto the velocity stack. Reconnect mass air flow sensor electrical connector.



22. Install the provided HPS performance air filter.



23. Install the bubble edge trim onto the heat shield lid. Then secure the lid onto the heat shield using the five provided M5 bolts.

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)

2022-2024 BMW M240i 3.0L Turbo

2020-2024 BMW M340i 3.0L Turbo

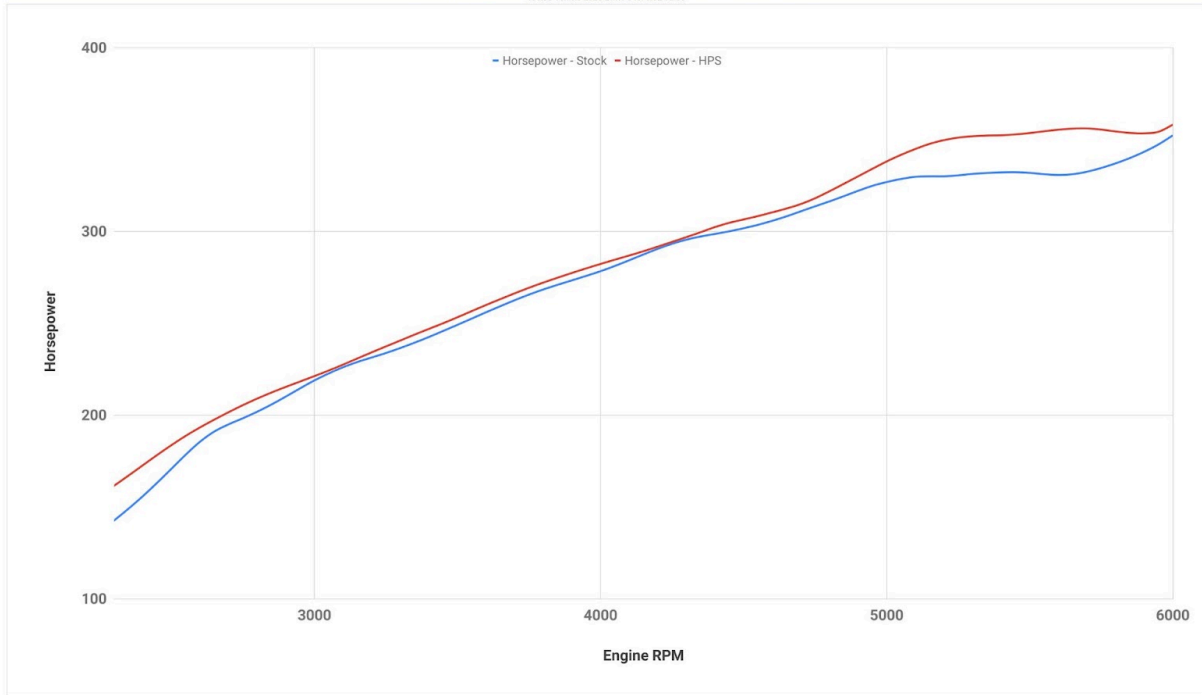
2021-2024 BMW M440i 3.0L Turbo

2022-2024 BMW M440i Gran Coupe 3.0L Turbo

Part Number: 827-771

Maximum Horsepower Gains = 11.3 whp @ 5000 rpm

Tested Vehicle 2023 BMW 340i 3.0L Turbo



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

2022-2024 BMW M240i 3.0L Turbo

2020-2024 BMW M340i 3.0L Turbo

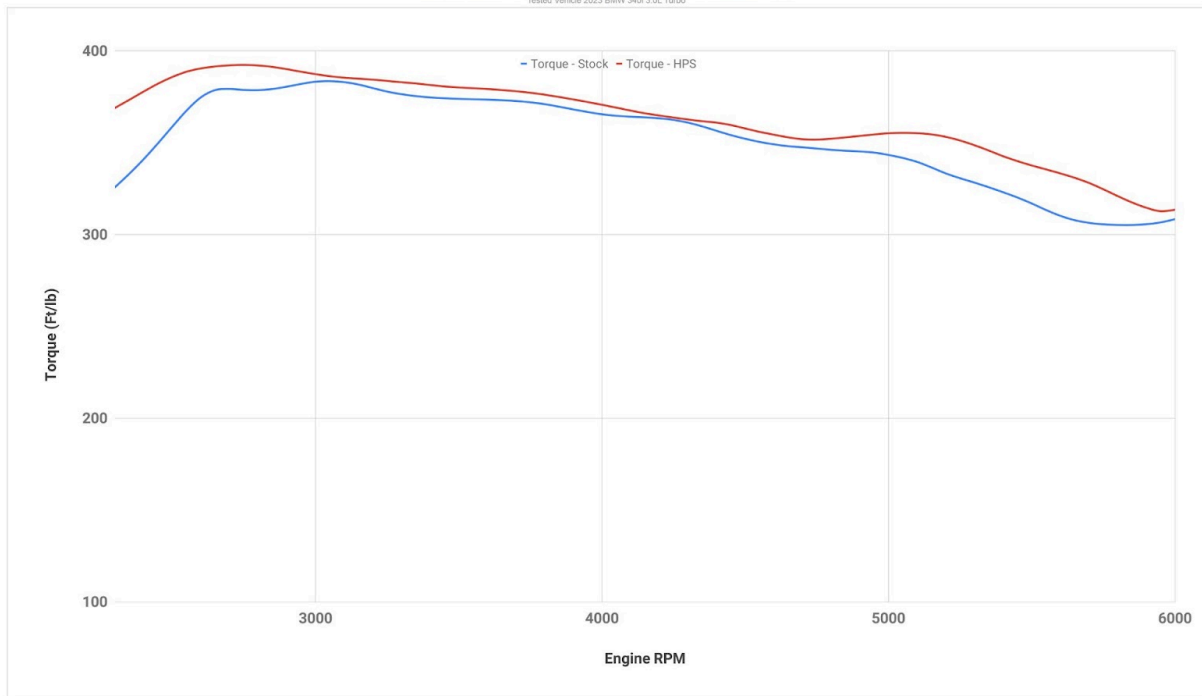
2021-2024 BMW M440i 3.0L Turbo

2022-2024 BMW M440i Gran Coupe 3.0L Turbo

Part Number: 827-771

Maximum Torque Gains = 11.8 ft/lb @ 5000 rpm

Tested Vehicle 2023 BMW 340i 3.0L Turbo



Also available for:

BMW 2022-2024 M240i 3.0L Turbo

BMW 2020-2024 M340i 3.0L Turbo

BMW 2021-2024 M440i 3.0L Turbo

BMW 2022-2024 M440i Gran Coupe 3.0L Turbo



HPS Charge Pipe Kit

Part Number [17-159](#)



HPS Performance Replacement Air Filter

For Intake Kit 827-771

Part Number [HPS-4303](#)



HPS Performance Air Filter

Cleaning and Recharge Kit

Part Number [HPS-AFRC](#)



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**