



Performance Shortram Intake Kit

Part Number: 827-547

2014 – 2017 Mazda 6 2.5L 4cyl Skyactiv

Installation Instruction

For technical inquiries please email us at tech@hpsperformanceproducts.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: 827-547

| Description | Prep | Part Number | Qty | Check |
|--|------|-------------------|-----|-------|
| Intake pipe | #1 | 529-219 | 1 | |
| | | | | |
| HPS Filter | | HPS-4276 | 1 | |
| | | | | |
| Heat Shield | | HS-404 | 1 | |
| | | | | |
| Intake Bracket | #2 | 530-220 | 1 | |
| 2.75" – 3" silicone reducer x 2.25" length | #2 | P3SR-275-300-L225 | 1 | |
| T-Bolt Clamp for 2.75" hose | #2 | SSTC-73-81 | 1 | |
| T-Bolt Clamp for 3" hose | #2 | SSTC-79-87 | 1 | |
| Hose clamp for 9.5mm EPDM hose | #2 | EMSC-10-16 | 2 | |
| Hose Clamp for Heatshield | #2 | EMSC-80-100 | 1 | |
| 6mm large OD washer | #2 | HW-FW6L | 2 | |
| 6mm X 12mm long Hex Bolt | #2 | HW-B6-12 | 1 | |
| 4mm allen screw, 8mm length | #2 | HW-B4-8 | 2 | |
| 9.5MM EPDM hose, 19" length | #2 | EPDM-047 | 1 | |

- Before installing any parts of this intake system, please read the instructions thoroughly.
- Verify the contents of this intake kit before disassembling your vehicle.
- DO NOT INSTALL IF ANY PARTS ARE MISSING OR DAMAGED. CONTACT tech@hpsperformanceproducts.com IMMEDIATELY. WE ARE NOT RESPONSIBLE FOR ANY DAMAGE CAUSED DUE TO IMPROPER INSTALLATION.
- Installation requires moderate mechanical skills. A qualified mechanic is highly recommended.
- Do not attempt to install the intake system while the engine is hot.
- This installation may require removal of coolant lines that may be hot.
- For technical inquiries, please e-mail us at tech@hpsperformanceproducts.com

PLEASE READ CAREFULLY BEFORE INSTALLATION!

This installation is not for the novice customer. Install this system with EXTREME caution! Misuse of this product can destroy your engine! If you are not well versed in the installation of intakes and if you are not mechanically inclined, please have a tuner shop 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 remove the key.

Disconnect the vehicle's negative cable from the battery before proceeding forward with the installation. If the engine has run within the past two hours let it cool down.

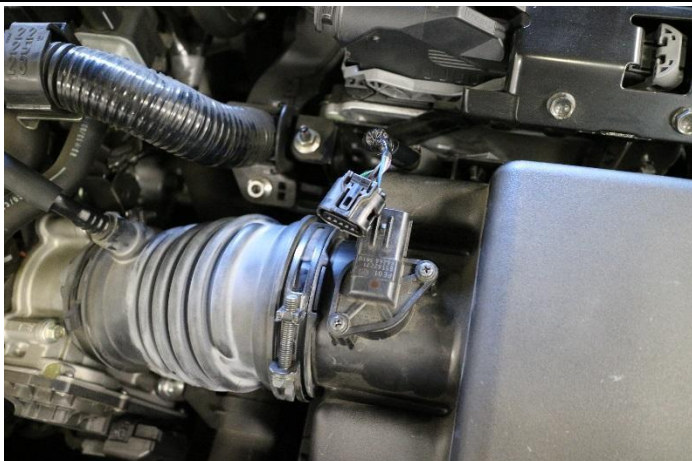
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied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



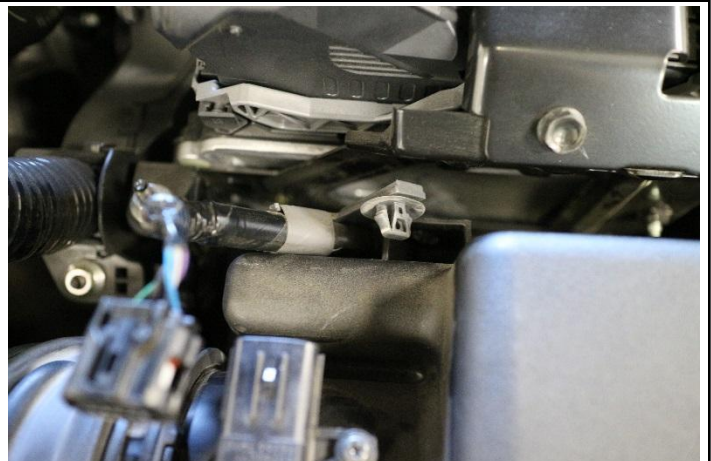
2. Remove the engine cover by pulling up on the 4 corners.



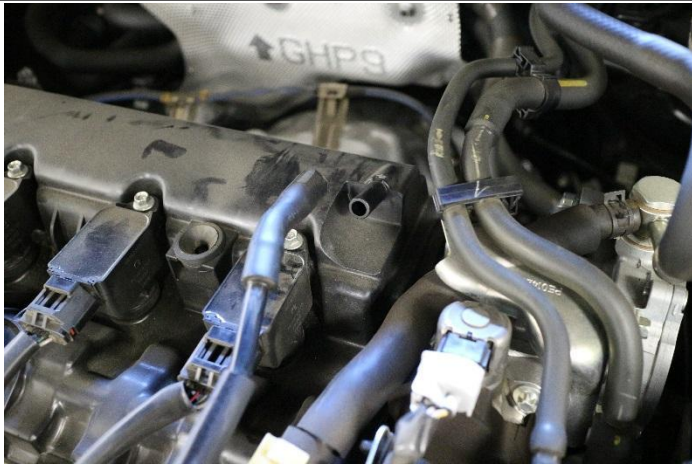
3. Loosen the hose clamp on the throttle body using a 10mm socket.



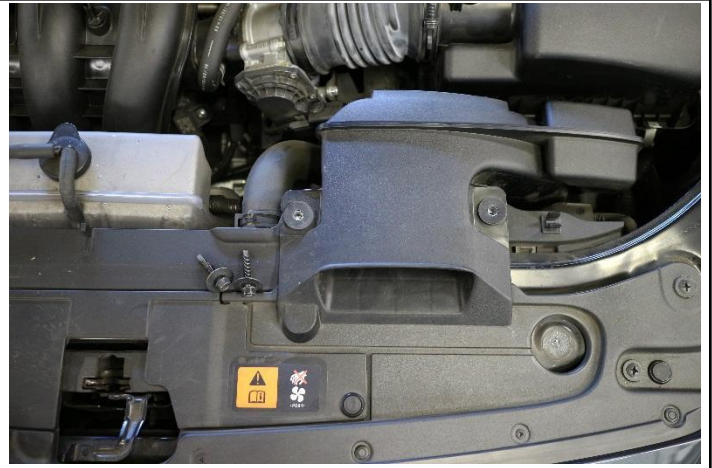
4. Disconnect the MAF sensor connector.



5. Unclip the electrical harness from the air box using needle nosed pliers or picks.



6. Carefully pull off the breather hose from the valve cover.



7. Unbolt the air scoop from the radiator support.



8. Disconnect the intake tube from the throttle body then lift up on the air box to remove it from the engine bay.



9. Install the silicone reducing coupler and T-bolt clamps onto the throttle body.



10. Use a phillips head screwdriver to remove the MAF sensor from the air box. Be careful not to damage the sensor.



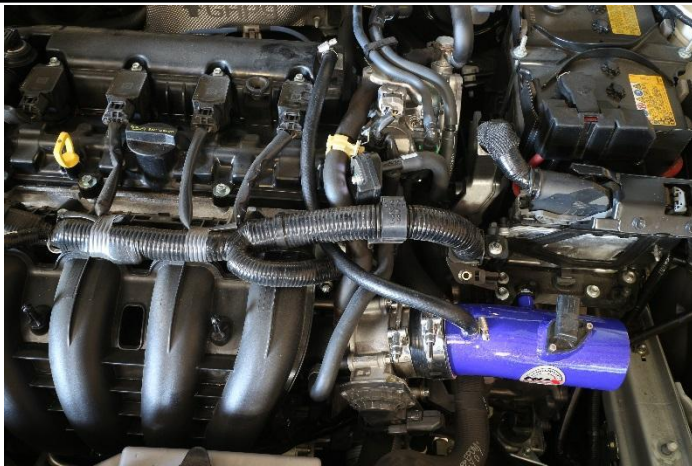
11. Transfer the MAF sensor to the HPS intake pipe, then use the supplied allen screws to secure it to the pipe.



12. Remove the bolt on the factory air box bracket and install the HPS intake bracket. Reinstall the bolt removed to secure the bracket.



13. Install the HPS intake pipe onto the throttle body. Then use a M6 bolt and washer to secure the pipe to the intake bracket previously installed.



14. Install the 9.5mm EPDM hose with the clamps provided on the breather port on the valve cover and on the HPS intake pipe.



15. Install the air filter and heat shield. Position it so there heat shield will not rub on any other parts in the engine bay. Secure the T-bolt clamp onto the HPS intake pipe to the desired position. Reconnect the MAF sensor connector.

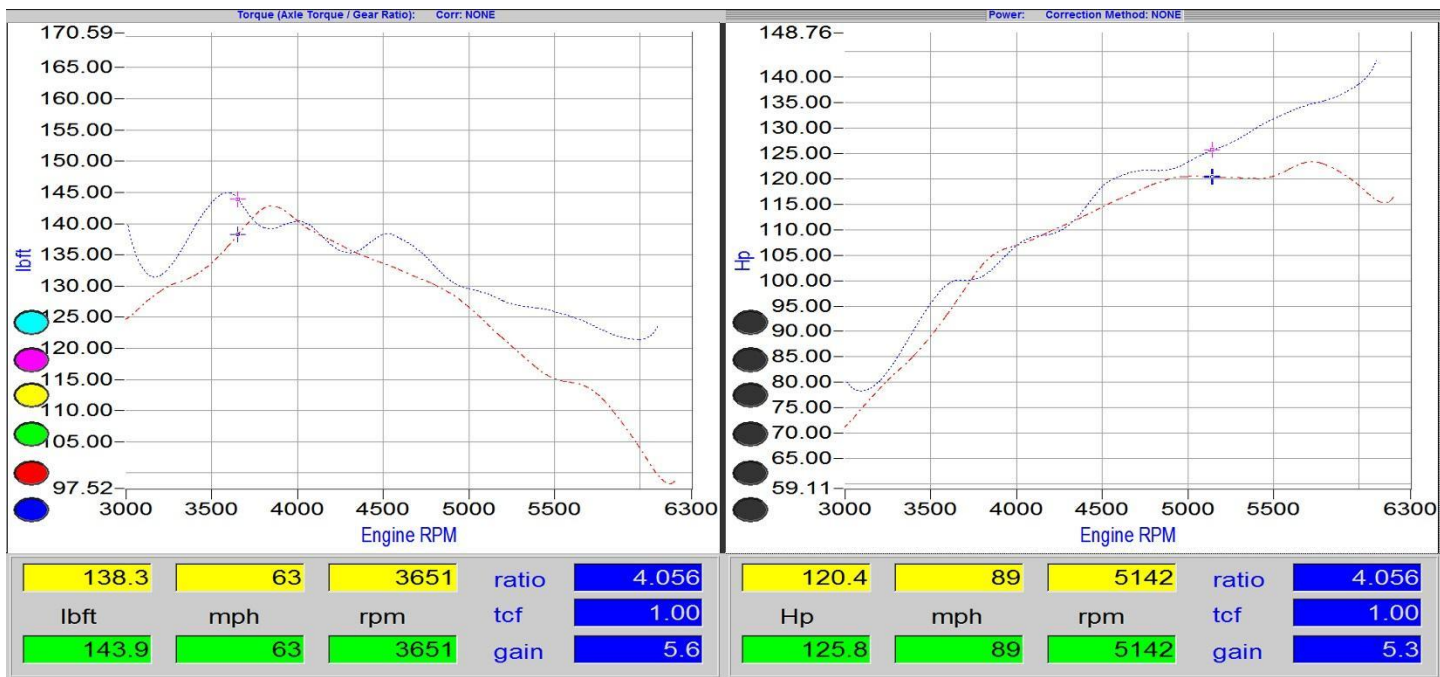
Final Steps

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 vehicle. 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 maybe causing leaks or rattles and correct the problem.

Periodically, recheck the alignment of the intake system 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.



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