



## Performance Shortram Intake Kit

**Part Number: 827-531**

**2012 – 2013 Mazda 3 2.0L 4cyl Skyactiv**

## Installation Instruction

For technical inquiries please email us at [tech@hpsperformanceproducts.com](mailto: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.

Last revision 09152021

**Bill of Materials**

## Kit Number: 827-531

Description	Prep	Part Number	Qty	Check
Intake pipe	1	529-166	1	
HPS Filter	2	HPS-4275	1	
Heat Shield	3	HS-404	1	
2.75" Silicone Coupler x 2" Long	4	P3SC-275-L2	1	
T-Bolt Clamp for 2.75" hose	4	SSTC-73-81	2	
Hose Clamp for 12mm EPDM hose	4	EMSC-12-22	1	
Hose Clamp for Heat shield	4	EMSC-70-90	1	
Intake Bracket	4	529-167	1	
M6 Rubber Mount x 1" Long	4	HW-RM6-100	1	
6mm large OD washer	4	HW-FW6L	2	
6mm Flange Bolt x 12mm Long	4	HW-B6-12	1	
6mm Flange Nut	4	HW-N6	1	
4mm Allen Screw x 8mm Long	4	HW-B4-8	2	
Air Straightener, non-reducing	4	HW-AS-275	1	
12MM EPDM hose, 18" length	4	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](mailto: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](mailto: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 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 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 lifting up on all 4 corners.



3. Remove the clips holding the MAF sensor harness to the air box.



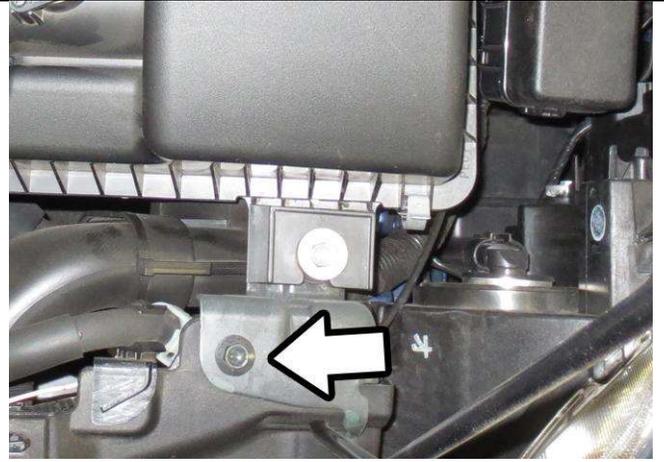
4. Unclip the harness from the MAF sensor.



5. Unscrew the hose clamp on the throttle body. Unclip the coolant hose from the intake hose. Then disconnect the air inlet hose from the throttle body.



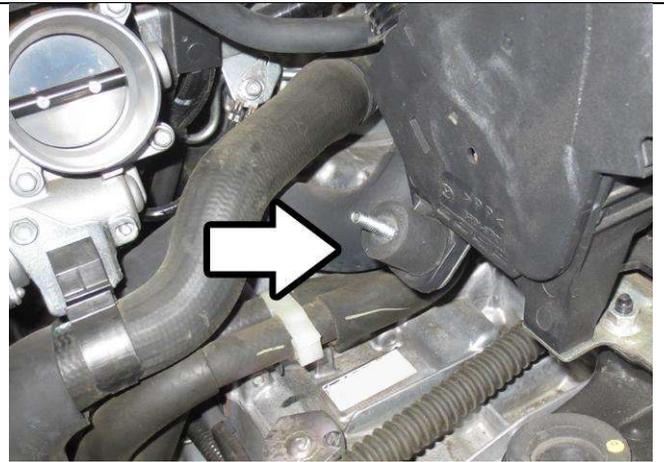
6. Remove the breather hose from the valve cover.



7. Remove the bracket that holds the air box in place. Carefully remove the air box out of the engine bay.



8. Install the provided silicone coupler and t-bolt clamps onto the throttle body.



9. Install the rubber mount as shown in the image.



10. Install the heats shield onto the air filter.



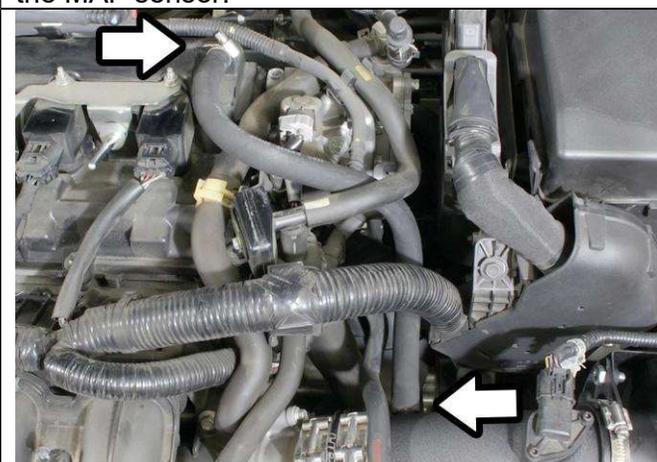
11. Slip the air straightener onto the HPS intake pipe, then install the air filter.



12. Install the intake pipe with the air filter attached onto the silicone coupler. Transfer the MAF sensor from the stock air box and secure it to the HPS intake pipe using the 4mm bolts included. Then connect the sensor harness on to the MAF sensor.



13. Install the intake bracket as shown, using the hardware included in the hardware packet.



14. Install the 12mm EPDM hose included in the hardware pack onto the valve cover and intake pipe. Secure the hose onto the valve cover using the worm gear clamp included.



15. Reinstall the engine cover.

### 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.