



Performance Shortram Air Intake Kit Part Number: 827-601

Mazda 2007-2013 Mazdaspeed 3 2.3L Turbo

Installation Instructions

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

Part Number: 827-601

Description	Prep	Part Number	Qty	Check
Short Ram Intake Pipe	1	529-62	1	
HPS Air Filter	2	HPS-4275	1	
T- bolt clamp for 2.75" Hose	3	SSTC-76-84	1	
T- bolt clamp for 2.5" Hose	3	SSTC-67-75	1	
5/8" Vacuum Hose x 17" Long	3	HTSVH159	1	
Clamp for 5/8" Hose		EMSC-16-27	2	
2.5" to 2.75" reducer x 2.5" Long	3	P3SR-250-275-L25	1	
Air Straightener	3	HW-AS-275	1	
Intake Tube bracket	3	530-60	1	
6mm Flange Bolt x 12mm Long	3	HW-B6-12	1	
6mm Washer Large OD	3	HW-FW6L	2	
4mm Allen Head Bolt x 8mm Long	3	HW-B4-8	2	

- 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 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 engine cover by removing the 2 bolts on top with a 10mm socket. Also remove the bracket holding the air box in place behind the driver side headlight.



3. Use a pair of needle-nosed pliers to remove the spring clamp from the breather hose. Remove the breather hose from the air inlet hose. Next, use a screwdriver to remove the hose clamp on the air inlet. Disconnect the mass air flow (MAF) sensor. Once these items are loose, you can remove the airbox and hose out in one piece.



4. Use a pick to pry the breather hose from the valve cover. Remove the factory breather hose.



5. Install the reducing coupler and T-bolt clamps onto the air inlet. Take caution when tightening the clamp onto the plastic air inlet. Insert the short ram intake pipe into the reducing coupler. Install 5/8" vacuum hose onto the valve cover and connect the opposite end onto the intake pipe.



6. Remove the nut in front of the battery cover with a 10mm socket and install the intake bracket. Reuse the factory nut on the battery tray side and use the provided m6 bolt and washer for the intake pipe side. Install the air straightener into the intake pipe with the fins facing horizontal.



7. Install the mass air flow sensor onto the intake pipe with the provided 4mm Allen head screws. Reconnect the mass air flow sensor harness. Install the HPS Filter and tighten the clamp with a flat-head (blade) screwdriver.

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 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.

