



# Performance Shortram Air Intake Kit

## Part Number: 827-544

**2002-2006 Mini Cooper S 1.6L Supercharged**  
**2003-2006 Mini John Cooper Works 1.6L**  
**Supercharged**  
**2007 Mini Cooper S (Convertible) 1.6L**  
**Supercharged**

## Installation Instructions

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.

# Bill of Materials

## Kit Number: 827-544

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-210	1	
HPS Air Filter	2	HPS-4274	1	
Heat Shield	3	531-212	1	
2.5" Hump Hose Coupler x 2.5" Long	4	P3SHC-250-L25	1	
Hose Clamp for 2.50" Hose	4	EMSC-60-80	2	
Intake Bracket	4	530-211	1	
Rubber Vibration Mount 6mm x 1" Tall	4	HW-RM6-100	1	
6mm Bolt x12mm Long	4	HW-B6-12	1	
6mm Flange Nut	4	HW-N6	2	
6mm Flat Washer x 16mm OD	4	HW-FW6L	3	
5mm Flat Washer x 10mm OD	4	HW-FW5	1	
#10 x 1/2 Screw	4	90184A342	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 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 vehicles' 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.



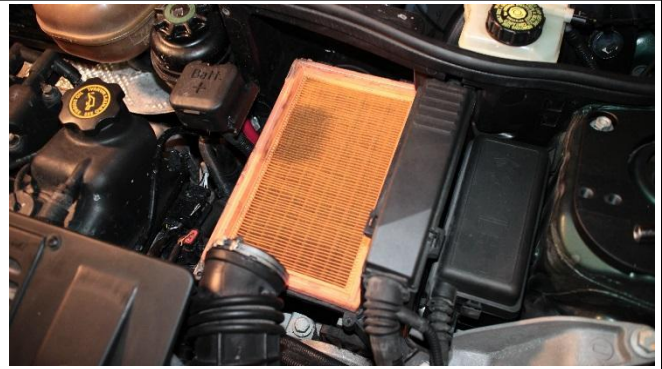
2. Remove the battery terminal from the air box by pulling up on it.



3. Use a flat head screwdriver to pry open the clamp on the air box, then pull the air intake tube from the air box.



4. Use an 8mm socket to loosen the 2 bolts in front of the air box then remove the air box from the engine bay.



5. Remove the air filter from the air box.



6. Use a flat head screwdriver to pry open the clamp on the other end of the air intake tube. Once it is loose, separate the intake tube from the throttle body.



7. Use pliers to squeeze the clamp on the breather hose, then separate it from the air intake tube.



8. Install the hump coupler and hose clamps onto the throttle body.



9. Install the bracket onto the intake pipe with a M6 washer and bolt, then the rubber mount onto the bracket with a M6 washer and nut.



10. Install the intake pipe as shown.



11. Remove the two bolts with a 10mm socket on the firewall then install the heat shield as shown.



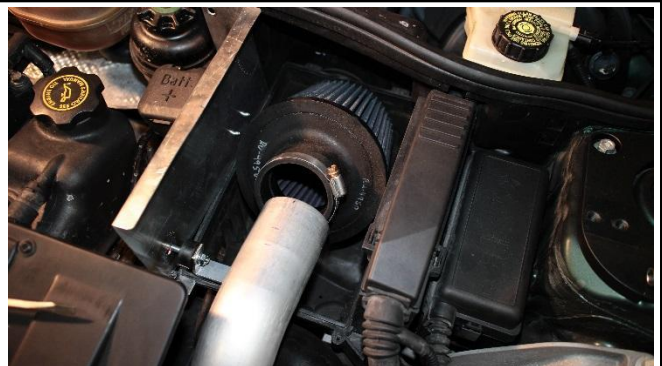
12. Hook the battery terminal onto the heat shield.



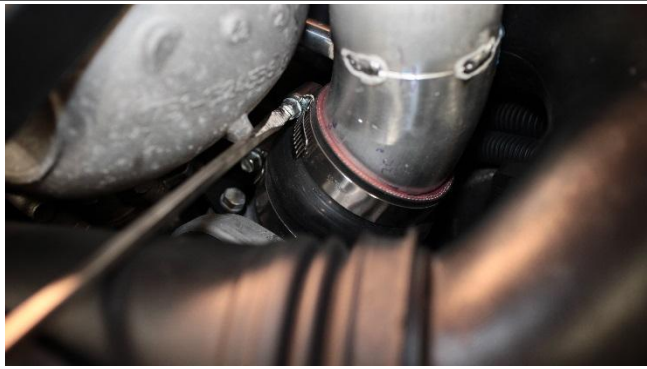
13. Slip the stud on the rubber mount through the hole in the heat shield then secure it with a M6 nut and washer.



14. Install the #10 bolt and 5mm washer to secure the heat shield to the air box.



15. Install the air filter onto the intake tube.



16. Tighten the hose clamps as shown.



INSTALLED

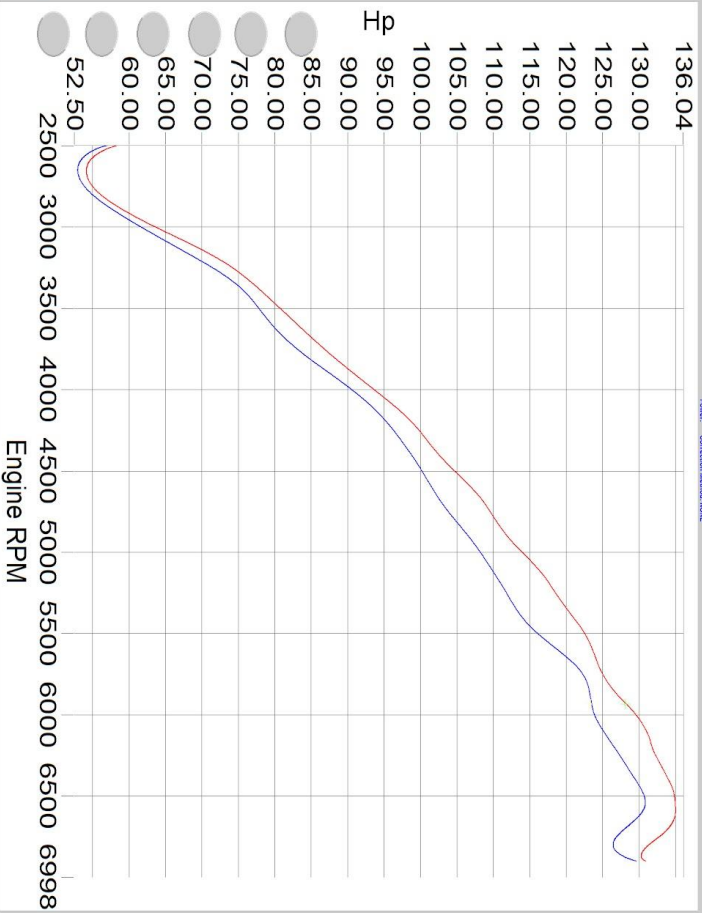
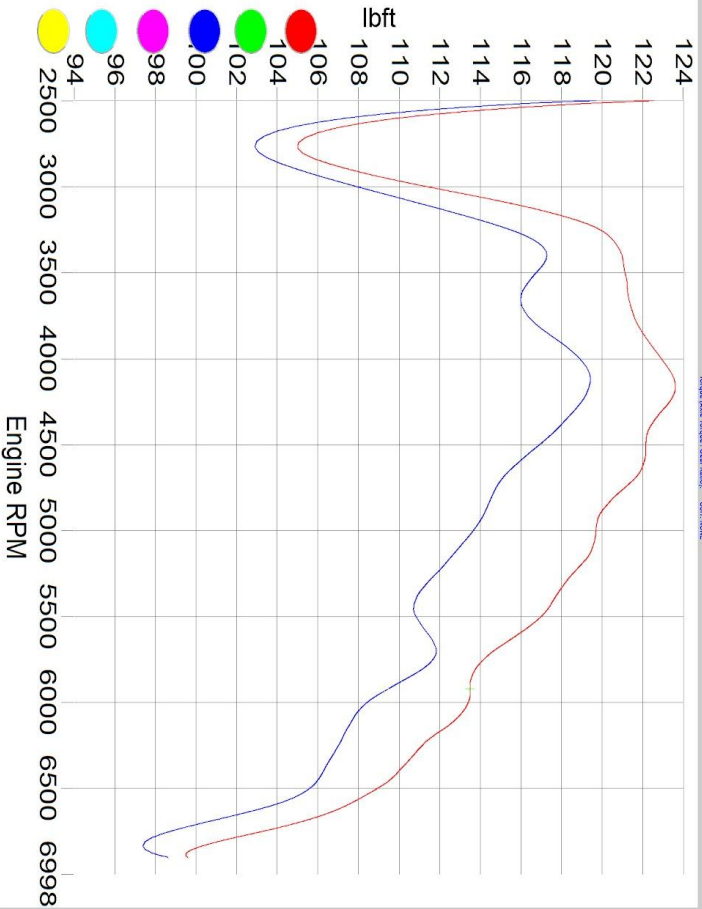
### Final Steps

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.



109.3	95	5922	ratio	4.400	123.3	95	5933	ratio	4.400
lbft	mph	rpm	tcf	gain	Hp	mph	rpm	tcf	gain
113.5	95	5922	1.00	4.2	128.1	95	5933	1.00	4.8



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**HPS Silicone Radiator Hose Kit (Black/Blue/Red) with Stainless Steel Clamps  
is now available for Mini Cooper S 1.6L Supercharged 2002-2006!**

**Part Number: 57-1211 - MSRP: \$185.00**



**Contact an authorized HPS Performance Products dealer or visit us at  
[www.hpsperformanceproducts.com](http://www.hpsperformanceproducts.com) for more details**