



# Performance Shortram Air Intake Kit Part Number: 827-553

## Ford 2014-2015 Fiesta ST 1.6L Turbo 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: 827-553

Description	Prep	Part Number	Qty	Check
Air Intake Pipe	1	529-237	1	
2.75" Air Filter	2	HPS-4275	1	
Heat Shield	3	531-239	1	
T-Bolt Clamp for 2.5" Hose	4	SSTC-70-78	1	
T-Bolt Clamp for 2.75" Hose	4	SSTC-73-81	1	
2.5" – 2.75" Reducer x 4" Long	4	P3SR-250-275-L4	1	
Intake Bracket	4	530-238	1	
4mm Allen Bolts 8mm long	4	HW-B4-8	2	
6mm Bolt 12mm long	4	HW-B6-12	1	
6mm Bolt 30mm long	4	HW-B6-30	2	
6mm Flat Washer 16mm OD	4	HW-FW6L	4	
6mm Flat Washer 32mm OD	4	HW-FW6XL	2	
6mm Flange Nut	4	HW-N6	2	
19mm EPDM hose, 18" Length	4	EPDM-075	1	
¾" Barb Fitting, 90 deg	4	HW-BF90-075	1	
Worm Gear Clamp	4	EMSC-16-27	3	

- 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.**

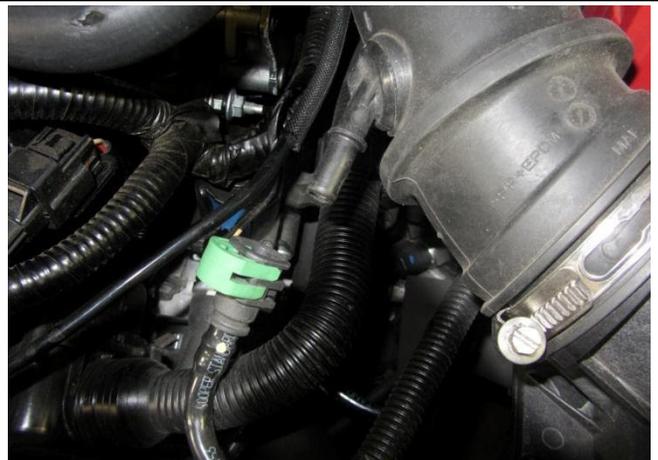
## **GETTING STARTED**

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.

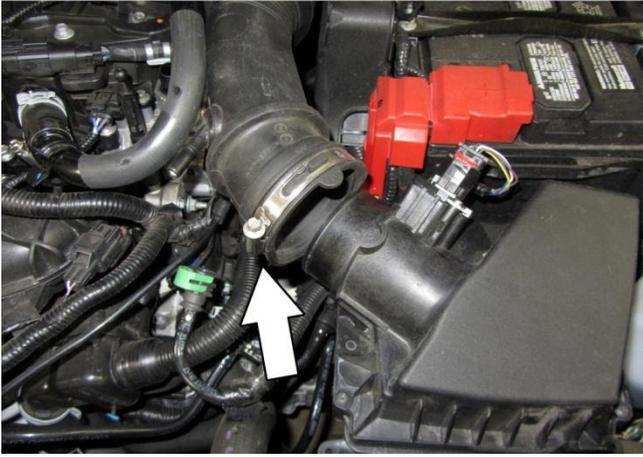
NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your 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.



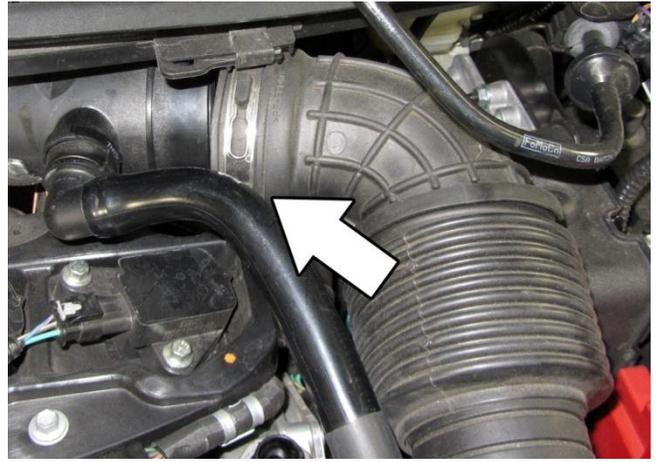
1. Remove the engine cover by lifting at the 3 points indicated.



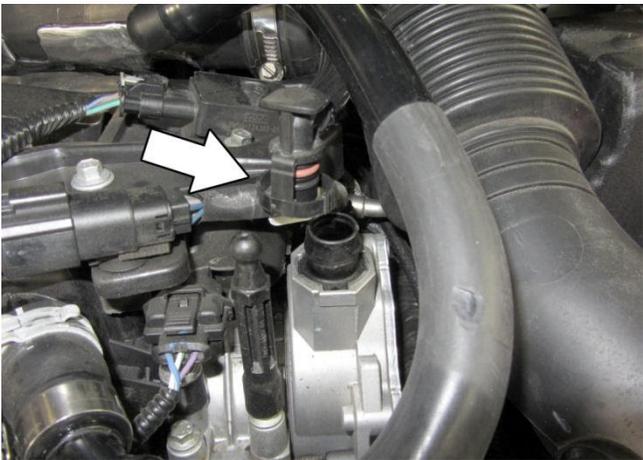
2. Slide off the green locking tab and remove the hose from the rubber intake hose.



3. Loosen the hose clamp and disconnect the intake hose from the air box.



4. Loosen the hose clamp from the hard intake pipe along the firewall, then remove the intake hose from the engine bay.



5. Release the clip for the brake booster hose on the engine by squeezing on both sides and pulling up. Once the hose is disconnected, you can rotate it out of the way.



6. Use a flat screwdriver to release the crimped on clamp on the breather hose. Remove the plastic part of the breather hose from the rubber hose coupler.



7. Loosen and remove the nut and stud towards the rear of the engine that is holding the plastic intake pipe to the engine.



8. Loosen the hose clamp on the plastic intake pipe at the turbo inlet located along the rear of the engine. Once it is loosened, you can disconnect the stock intake pipe from the turbo inlet.



9a. Begin to remove the stock intake pipe from the engine bay. This is a tough step so it is broken down to 3 steps. Slide the intake pipe towards the driver side.



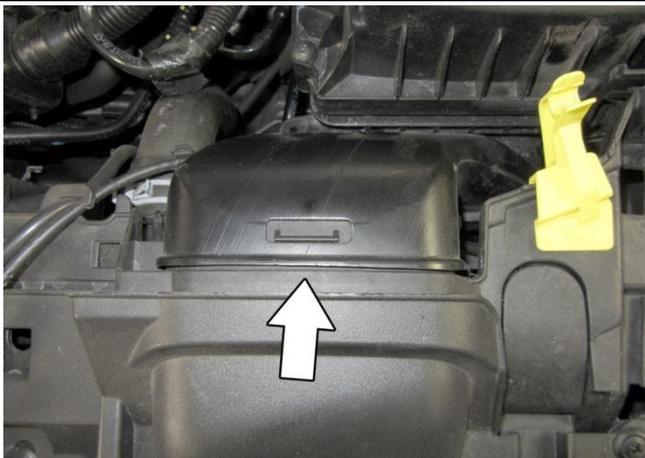
9b. Turn the pipe forward so it is lined up straight and sitting between cylinder 3 and 4.



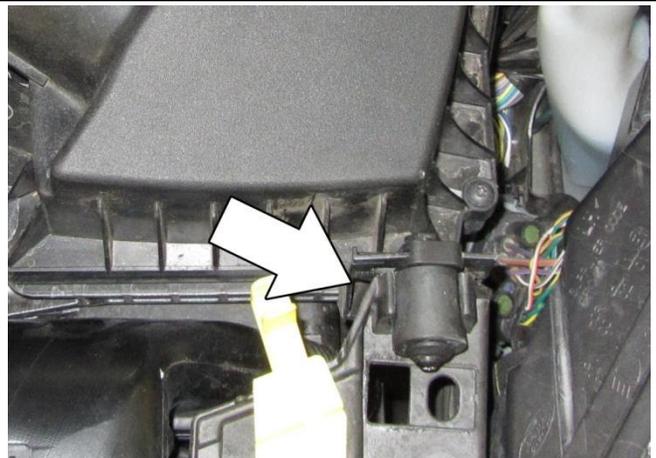
9c. Twist the pipe 90 degrees clockwise and carefully pull the pipe straight out. It will snag lightly but it will come out this way.



10. Disconnect the MAF harness from the MAF sensor.



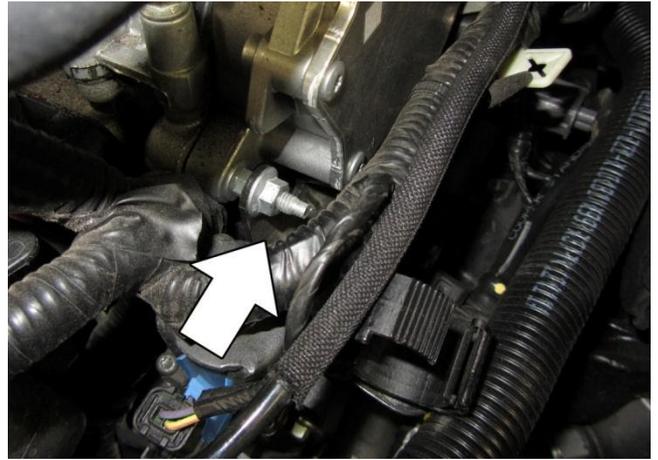
11. Pry up at the air scoop to release the air box from the radiator cowling.



12. Pull up on the rubber mount and release the air box. Remove the air box from the engine bay.



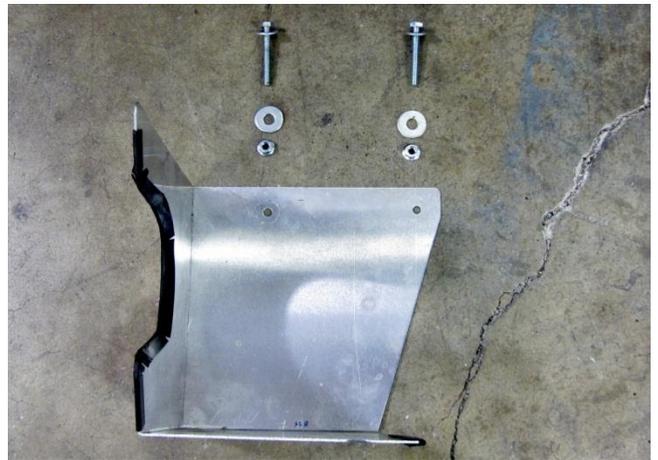
13. Release the clamp indicated in the image located on the side of the engine by the battery.



14. Loosen and remove the nut illustrated in the photo.



15. Install the intake bracket with a 6mm washer included in the HPS intake hardware packet. Reuse the factory nut to secure the bracket.



16. Prepare the heat shield for installation.



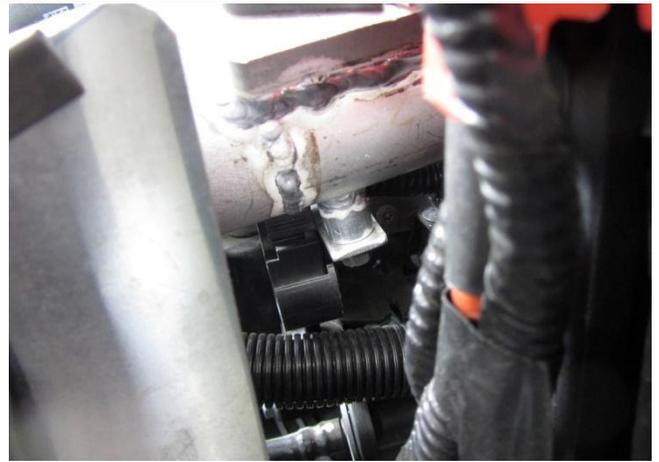
17. Install the heat shield onto the factory rubber mounts using the hardware provided.



18. Prepare the silicone reducer and t-bolt clamps for installation.



19. Install the silicone reducer onto the turbo inlet and tighten the clamp down. Install the HPS intake pipe onto the silicone reducer.



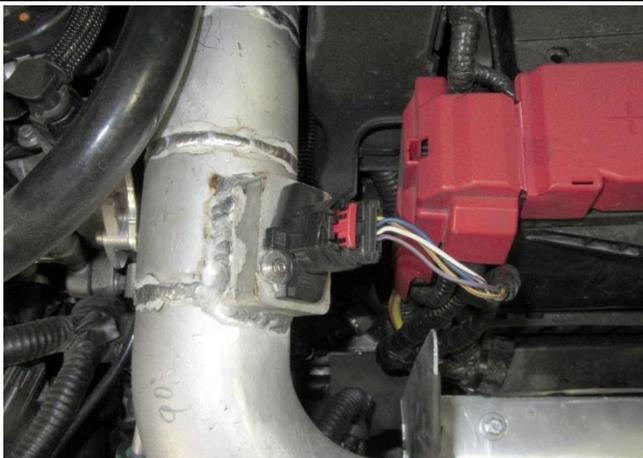
20. On the other side of the pipe, mount the intake pipe onto the intake bracket installed earlier and secure it with a 6mm bolt and washer.



21. Install the breather hose included in the intake hardware packet with a 90 degree barb fitting. Install the barb fitting into the factory breather on the valve cover. Secure the barb fitting with the clamps provided in the kit.



22. Install the other side of the breather hose onto the port on the intake pipe. Secure the hose with the provided clamp included in the hardware kit.



23. Remove the MAF sensor from the factory air box and install it onto the HPS intake pipe. Secure it with the 4mm Allen Head bolts included in the hardware kit, then connect the MAF sensor harness.



24. Install the new HPS air filter onto the intake pipe.

## 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.

