

# 2015-2017 Ford F-150 Level 1 Performance Pack

Installation Instructions

P/N: 422009



**ROUSH**  
PERFORMANCE

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# 2015-2017 F-150 Level 1 Performance Pack

## Installation Instructions

P/N: 422009 (1 1 1 550-PWRPK1-AA)

**Application:** 2015-2017 Ford F-150 5.0L

**Important Note:**

Before installing the ROUSH Performance Product, please read through the installation procedure and verify that all items are present. If you are missing hardware or have any questions, please contact ROUSH Performance at 1-800-59-ROUSH, 9:00 AM to 5:00 PM EST.

**TABLE OF CONTENTS**

Packing List for F-150 5.0L Cold Air Intake .....	3
Equipment and Supplies Required.....	3
Limit of Liability Statement.....	4
Safety Precautions .....	4
Work Safely! .....	4
Section A – Removal .....	5
Section B – Installation.....	7

**PACKING LIST FOR F-150 5.0L COLD AIR INTAKE**

Description	Part Number	Quantity
Air Box	1115-9A612	1
Filter Tube	111550-12B579	1
Clean Air Tube	111550-9B660	1
Filter with Clamp	131550-9601R	1
Hardware Kit	111550-CAKHWK	1
Bolt (M8 x 1.25 x 25)	W500224-S437	2
Seal – Bulb Seal 25 mm CTL	1115-9B624	1
Rubber Seal Solid Round 0.5 inches	1115-9B624FOAM	1
Coupler – Air Box-to-Clean Air Tube	111550-9B661	1
Coupler – Clean Air Tube-to-Throttle Body	111550-9B662	1
PCV Fitting – 3/8"	KLR-9N285	1
PCV Fitting – 5/8"	1311-9N285	1
Grommet – 5/8" ID	1150-58GRMT	2
Clamp (110-130 mm)	R07130015-13	2
Clamp (78-100 mm)	308707426	2

**EQUIPMENT AND SUPPLIES REQUIRED**

- Metric 1/4" Drive Socket Set
- Flat-head Screwdriver
- Trim Tool

**If you are missing any items, please call us toll free at 1-800-59-ROUSH.**

## LIMIT OF LIABILITY STATEMENT

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. ROUSH Performance Products (RPP) reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

## SAFETY PRECAUTIONS

**STOP**

### **CAREFULLY READ THE IMPORTANT SAFETY PRECAUTIONS and WARNINGS BEFORE PROCEEDING WITH THE INSTALLATION!**

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the installation.

- Always wear safety glasses for eye protection.
- Place ignition switch in the OFF position.
- Always apply the parking brake when working on a vehicle.
- Block the front and rear tire surface to prevent unexpected vehicle movement.
- If working with a lift, always consult vehicle manual for correct lifting specifications.
- Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- Do not smoke or use flammable items near or around the fuel system.
- Use chemicals and cleaners in well-ventilated areas.
- Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or flammable substances to come near the battery.
- Keeps hands and any other objects away from the radiator fan blades.
- Keep yourself and your clothing away from moving parts when the engine is running.
- Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.
- Allow the engine, cooling system, brakes and exhaust to cool before working on a vehicle.

## **WORK SAFELY!**

Perform this installation on a good clean level surface for maximum safety and with the engine turned off.



## SECTION A – REMOVAL

The following section will guide you through the removal of the stock components. Special care should be taken to label fasteners and parts that are taken off during this procedure since many will be reused.

1. Cover both fenders with fender covers to protect the vehicle finish.
2. Disconnect the battery ground cable.
3. Remove the bolt retaining the stock air box to the inner driver side fender. Retain the bolt, sleeve and grommet for later use.



4. Loosen the hose clamps retaining the clean air tube to the throttle body and air box lid.



5. Disconnect the two (2) quick connect fittings from the clean air tube.



6. Release the two (2) clamps on the front of the air box.



7. Remove the air box lid.





8. Remove the clean air tube from the vehicle.



9. Remove the two (2) push clips retaining the dirty air inlet duct to the grill closeout.



10. Remove the lower air box and dirty air duct from the vehicle.



11. Remove the self-tapping screw retaining the dirty air inlet onto the lower air box.





12. Remove the dirty air inlet from the lower air box.



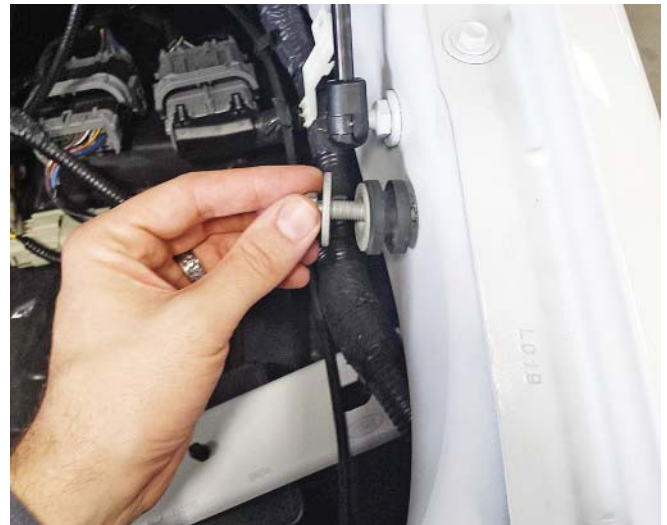
13. If necessary, remove the two (2) rubber grommets from the bottom of the air box and reinstall them into the tray below the air box.

## SECTION B — INSTALLATION

1. Insert the dirty air inlet into the Roush air box (P/N: 1115-9A612). Reuse the self-tapping screw that was removed earlier. Tighten to 3 Nm.



2. Reinstall the bolt, grommet and sleeve into the driver side fender. Tighten the bolt to 17.5 Nm.



3. Install the Roush air box (P/N: 1115-9A612) into the vehicle by locating the two (2) bosses on the bottom of the box while aligned to the grommet.

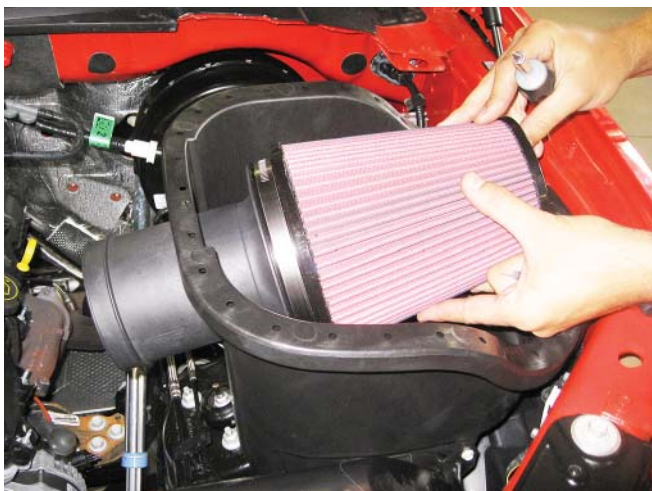


4. Install the air filter (P/N: 131550-9601R) onto the filter tube (P/N: 111550-12B579) and tighten the clamp to 3 Nm. Make sure the filter is installed (as shown) with the metal rib down.

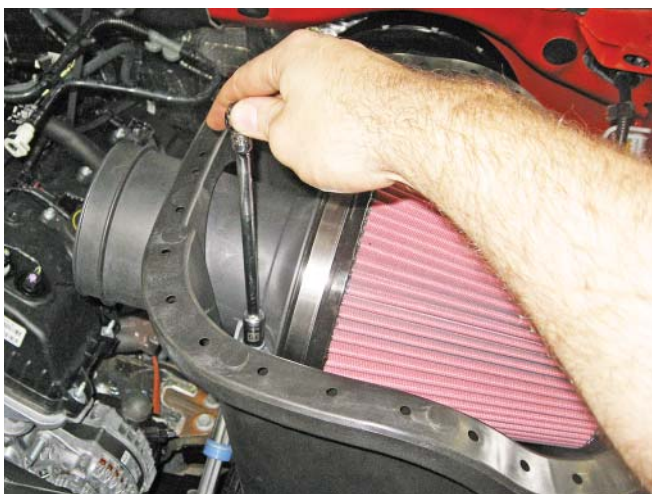




5. Slide the filter and tube assembly into the air box.



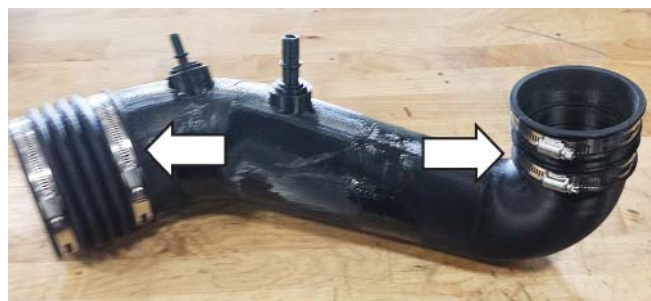
6. Install the two (2) M8 bolts (P/N: W500224-S437) and tighten to 10 Nm.



7. Install the rubber grommet (P/N: 1150-58GRMT) and fittings into the clean air tube. You will want to use soapy water or glass cleaner to aid the installation (fittings: left P/N: 1311-9N285, right P/N: KLR-9N285).



8. Install couplers and clamps onto the clean air tube (P/N: 111550-9B660) as shown. Tighten the clamps retaining the coupler to the tube to 3 Nm. Leave outside two (2) clamps loose (couplers: right P/N: 111550-9B662, left P/N: 111550-9B662) (clamps: right P/N: R07130015-13, left P/N: 308707426).



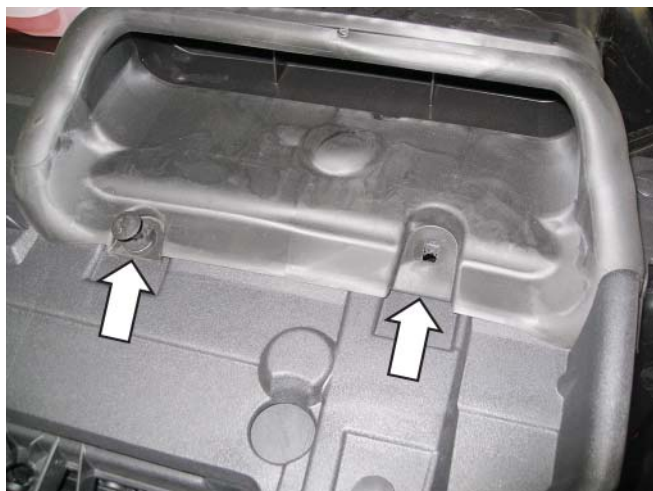
9. Install the clean air tube assembly between the throttle body and the air box. Tighten the clamps to 3 Nm.



10. Attach the two (2) quick connect hoses to the mating barbs on the clean air tube.



11. Reinstall the two (2) push pins into the dirty air inlet.



12. Insert the seal filler (P/N: 1115-9B624FOAM) halfway into the air box seal (P/N: 1115-9B624) as shown.



13. Install the air box seal starting in the location shown. You may need to trim the seal to the correct length. (Note: Start the seal at the middle of the inlet tube.)





14. The installation is now complete.



## **PCM FLASHING**

Proceed with steps 1-2 if you have a SAE J2534 pass through device (e.g. Puma, VCM I, VCM II)

If you do not have a SAE J2534 device visit your local Roush Dealer or Performance Shop with the appropriate tools for PCM Calibration

1. If equipped with a SAE J2534 pass through device, refer to the RDT-CALIM manual found on our website. <http://rdt.roush.com> The RDT-CALIM manual will guide you through the ROUSH Diagnostic Tool (RDT) software installation process and the ROUSH PCM flashing procedure detailed in RDT-CALIM.
2. Once the PCM has been successfully recalibrated, start the engine and check for unusual noises, dash service lights, and unusual operation. If problems are detected, immediately stop the engine or vehicle, diagnose and repair the problem.