



ROUSH[®]
P E R F O R M A N C E

ROUSH TVS COLD AIR INDUCTION KIT

P/N: 421529 (1313-9600)

Applications: 2010 4.6L 3V Mustang w/TVS ROUSHcharger
2011+ 5.0L 4V Mustang w/TVS ROUSHcharger

Installation Instructions



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.

Installation of this kit voids the 3yr / 36,000 mile ROUSH Powertrain warranty.



ROUSH
P E R F O R M A N C E

PACKAGING LIST FOR THE PHASE 2 UPGRADE KIT #421389 (1313-P2UPG)

Description	Part Number	Qty
AIR FILTER	997-495	1
MAF TUBE	R07060101-13	1
AIR BOX ASSEMBLY	1313-9643	1
CLEAN AIR TUBE	1313-9B659	1

HARDWARE KIT	1313CAK-HWKA	1
MAF BORE EDGE SEAL	39-211-12	1
EDGE SEAL (9.5")	R07130026-13-9.5	1
EDGE SEAL (12")	R07130026-13-12	1
EDGE SEAL (4")	R07130026-13-4	2
NUT - M6X1.0 AIRBOX TO FAN SHROUD MOUNTING	W520412	1
MOUNTING BRACKET (MAF TUBE TO AIR BOX)	R07130010	1
BOLT M6X1.0X14	N605771	3
MAF BOLTS (M4 X 0.7 X 10_TORX)	R07130007	2
VACUUM FITTING -S/C BYPASS	383004-S	1
VACUUM FITTING - BRAKE BOOSTER (3/8 X 3/8)	P2233A	1
VACUUM CAP (3/8)	CS2575	1
AIR TUBE CLAMP (120-140 MM)	R07130014	1
AIR TUBE CLAMP (110-130MM)	R07130015	1

INSTALLATION INSTRUCTIONS	1313-9600IM	1
---------------------------	-------------	---



EQUIPMENT AND SUPPLIES REQUIRED

- 3/8" Ratchet & Torque Wrench capable of 10 Nm and a Long 1/2" Drive Breaker Bar
- 8mm, 10mm, 13mm, 15mm, and 17mm Socket
- Electrical Tape
- Fender Cover
- 8mm and 10mm Wrench
- 20 Torx Bit Screwdriver or Socket
- Fender Cover
- Trim Tool

SAFETY REQUIREMENTS

STOP! READ IMPORTANT SAFETY CAUTIONS AND WARNINGS BEFORE PROCEEDING.

IMPORTANT SAFETY NOTICE

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 actual installation.

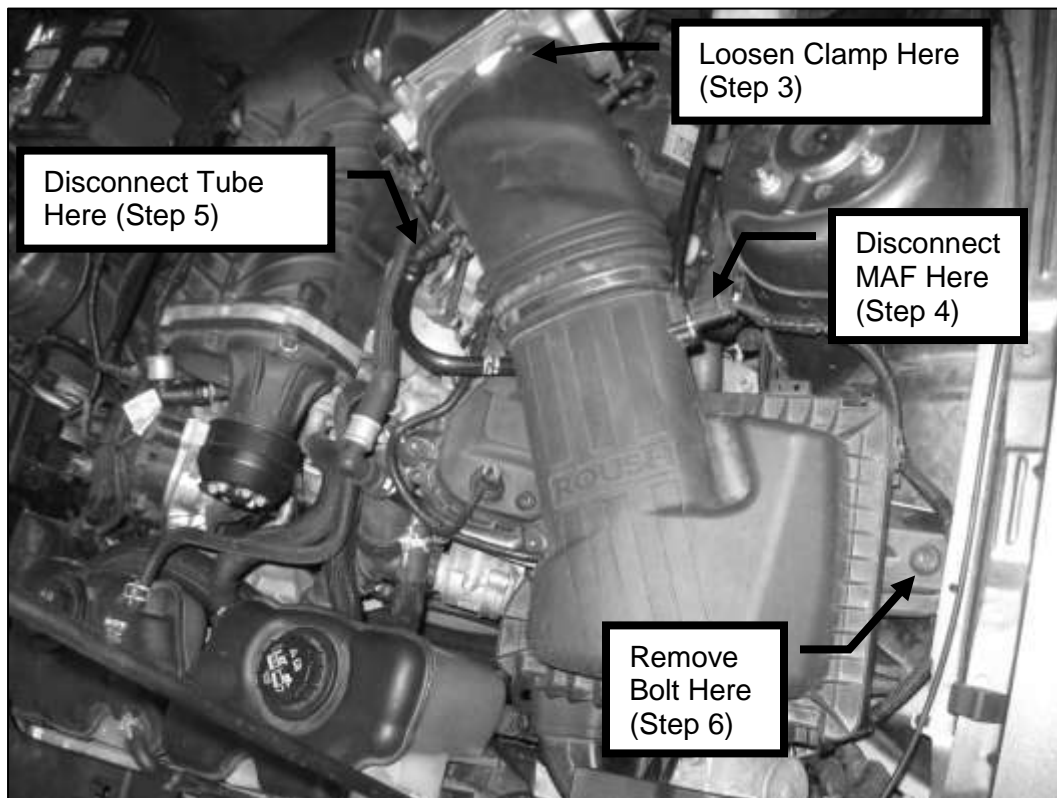
1. Always wear safety glasses for eye protection.
2. Place ignition switch in the OFF position.
3. Always apply the parking brake when working on a vehicle.
4. Chock the front and rear tires to prevent unexpected vehicle movement.
5. If working without a lift, always consult vehicle manual for correct lifting specifications.
6. Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
7. Do not smoke or use flammable items near or around the fuel system.
8. Use chemicals and cleaners in well-ventilated areas.
9. Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or flammable substances to come near the battery.
10. Keeps hands and any other objects away from the radiator fan blades.
11. Keep yourself and your clothing away from moving parts when the engine is running.
12. Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.
13. 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 – DISASSEMBLY

1. Cover both fenders with fender covers to protect the vehicle finish.
2. Using an 8mm wrench, disconnect the (-) negative and (+) positive connections to the battery.
3. Using an 8 mm socket, loosen the clamp that secures the clean air tube to the throttle body.
4. Disconnect the MAF (mass air flow) sensor from the engine harness on the side of the airbox assembly.
5. Disconnect the PCV tube from clean air tube.
6. Remove the M6 bolt that secures the airbox assembly to the chassis using a 10 mm socket. Save this bolt & grommet for later use. Remove the entire assembly from the vehicle.



7. Remove the MAF sensor from the upper airbox lid and set aside for later use.

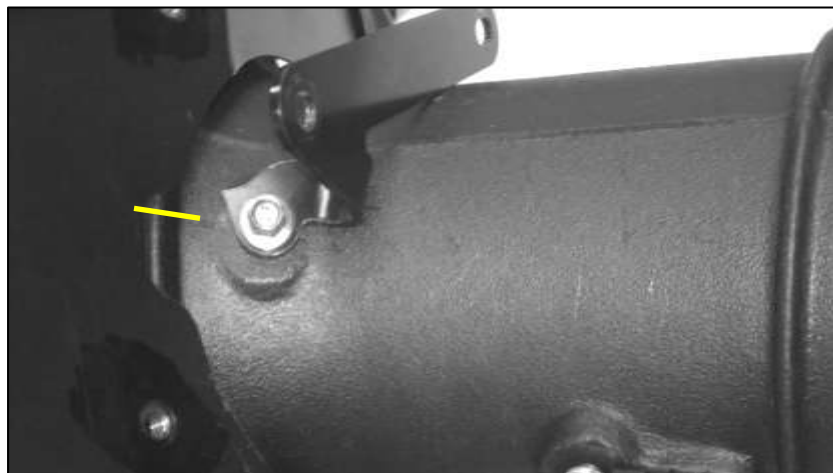
SECTION B – SUBASSEMBLY

The following section will guide you through the buildup of the kit. This work can be performed away from the vehicle.

1. Install the twelve inch length of edge seal (39-211) around the circular opening edge of the air box where the MAF Tube will be located. Position the seal so the ends start and stop on the bottom side.



2. Place the MAF tube (R07060101-13) through the opening of the airbox (1313-9643) from the inside. Install the mounting bracket (R07130010-13) onto the MAF Tube using one M6x14 bolt (N605771-S439). Align the point on the bracket with the mark on the tube and torque to 10Nm.





ROUSH[®]
P E R F O R M A N C E

3. With the two remaining M6 x 14 fasteners (N605771-S439) secure the bracket to the back of the box and torque to 10 Nm.



4. Install the stock MAF sensor into the MAF Tube (R07060101-13) using the MAF Bolts (M4 X 0.7 X 10) and tighten with a T-20 Torx bit. Torque the screws to 1.8 – 2.2 Nm. Be careful not to over tighten these screws. Wiggle the MAF sensor to ensure that it is properly fastened.





ROUSH[®]
P E R F O R M A N C E

5. Install the retaining grommet from the factory airbox into the mounting tab on the new Airbox Assembly (1313-9643). Tip – Remove the center bushing while installing the rubber grommet through the hole in the tab. Re-install the center bushing once the grommet is fully seated.



6. Remove the rubber mounting isolators from the bottom of the factory airbox and install them onto the mounts on the bottom of the new airbox in the same orientation.



7. Install the Filter (997-495) onto the MAF Tube. Torque clamp to 3 – 5 Nm.





ROUSH[®]
P E R F O R M A N C E

8. Install the Clean Air Tube (1313-9B659-AA) onto the MAF Tube.(NOTE: MAF and PCV vacuum port located on same side)



9. Locate the MAF Extension harness (1311-12B579W). Remove one of the two push pins on the harness and remove the electrical tape. Move the push pin down about halfway on the connector. Use electrical tape to secure to harness.



10. Install the 9" Edge Seal (R07130026-13) along the top cover edge of the airbox.



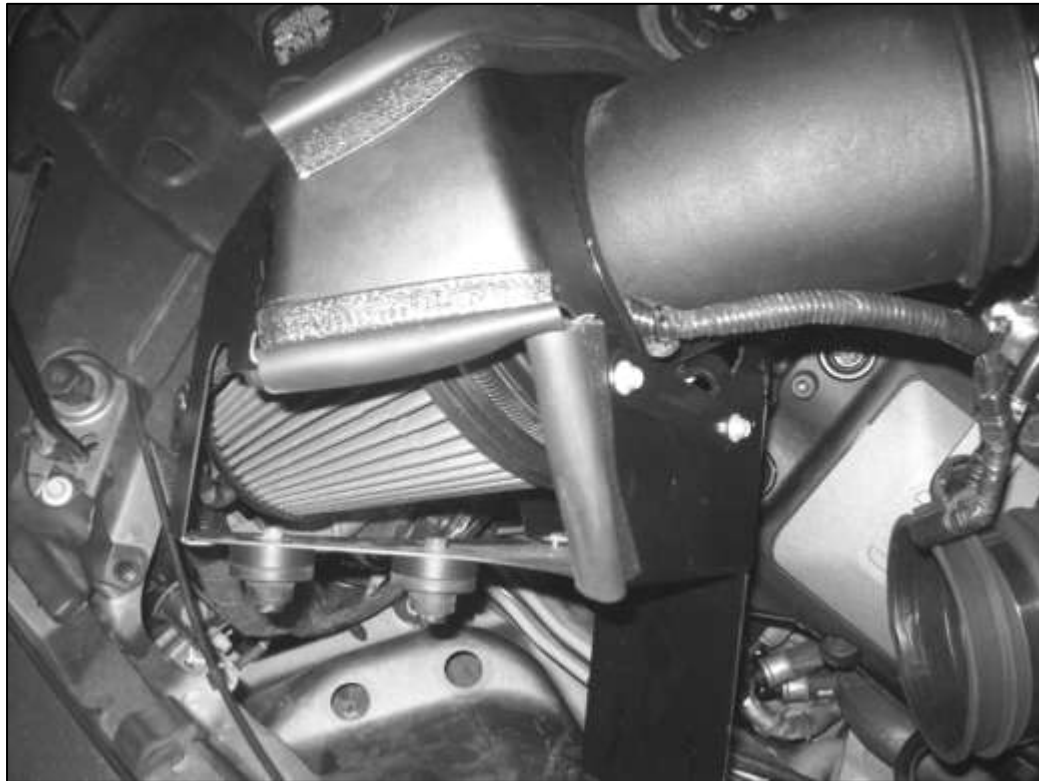


ROUSH[®]
P E R F O R M A N C E

11. Install the 12" length of Edge Seal (R07130026-13) along the top edge of the airbox, overtop of the MAF Tube.



12. Install both of the 4" lengths of Edge Seal (R07130026-13) onto the edges around the bottom of the airbox.

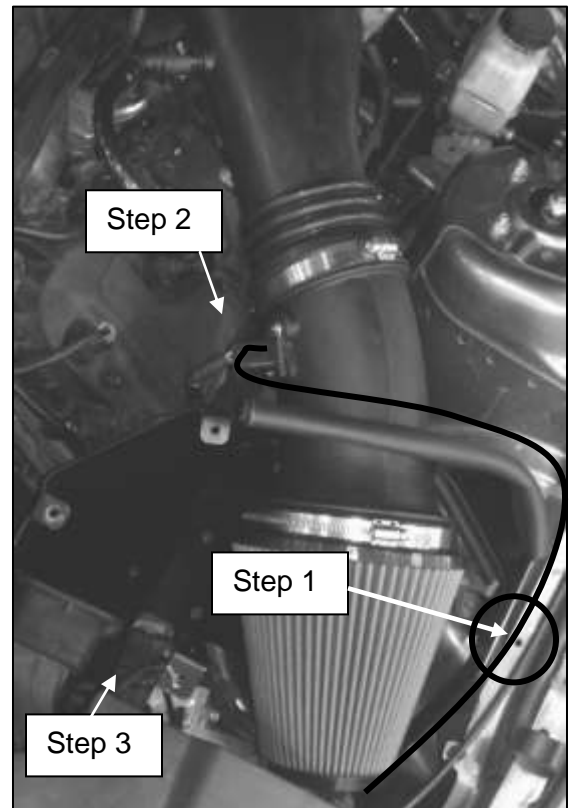


SECTION C – ASSEMBLY

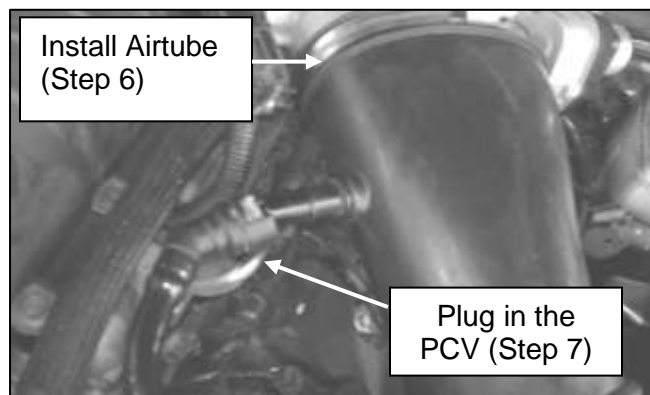
The following section will guide you through the final assembly of the kit.

- **The following steps may be easier with the Air inlet cover off.**

1. Install the new airbox assembly into the vehicle. Secure the airbox to the chassis using the take off M6 bolt and torque to 8 – 12 Nm.
2. Route the extension harness underneath the filter, along the black line as shown in the figure on the right. The push pin that was relocated should fit in the hole on the sheet metal that is in the circled area indicated in the picture. Plug the MAF sensor into the harness.
3. Fasten the Airbox to stud on the fan shroud using the M6 Nut provided (W520412-S437).



4. Connect the clean air tube to the throttle body housing. Torque clamp to 3 – 5 Nm.
5. Connect the PCV tube to the port on the clean air tube.





Congratulations!!! You have completed the installation of your new ROUSH Performance Products, Cold Air Kit. It is recommended that you save all parts removed from your vehicle during the installation of this kit.

WARRANTY

All retail parts carry a 90-day warranty from the date of purchase. This warranty covers defects in materials or workmanship, and does not include (i) normal wear and tear, environmental conditions, improper installation; (ii) road hazards, misuse, abuse, neglect, accidents, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle; (iii) misusing the vehicle, such as driving over curbs, overloading, racing, or using the vehicle as a stationary power source; (iv) altering, disassembling or modifying the parts; (v) defects caused or induced by failures, breakdowns, or damage by other parts, components or the vehicle; (vi) subjecting the parts to excessive moisture or water or any motor vehicle fluids (e.g.: oil, anti-freeze, battery acid, brake fluid, etc.); (vii) acts of God, natural disasters and other similar causes beyond the reasonable control of ROUSH; or (viii) application of chemicals that affect the parts. This Limited Warranty does not cover surface deterioration of paint, trim, and appearance items that result from use and/or exposure to the elements, such as stone chips, scratches, bird droppings, lightning, hail, windstorm, dings, dents, earthquake, road salt, tree sap, water or flood.

ROUSH SHALL NOT BE LIABLE TO REIMBURSE CUSTOMER/DEALER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE INSTALLATION OR USE OF ANY PRODUCT SOLD THROUGH THIS CATALOG OR ARISING OUT OF ANY BREACH OF WARRANTY. EXCEPT AS MAY BE STATED IN THIS CATALOG, ROUSH DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL ROUSH'S LIABILITY EXCEED THE PRICE PAID BY CUSTOMER/DEALER FOR PRODUCTS SOLD REGARDLESS IF ROUSH HAS BEEN ADVISED IN ADVANCE OF ANY POTENTIAL PROBLEM OR IF A CLAIM IS BASED ON CONTRACT, TORT, STRICT LIABILITY, PRODUCT LIABILITY OR OTHERWISE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES OR THEIR DURATION, OR LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY.