



## Roush F150 Billet Grill Kit

### Installation Instructions

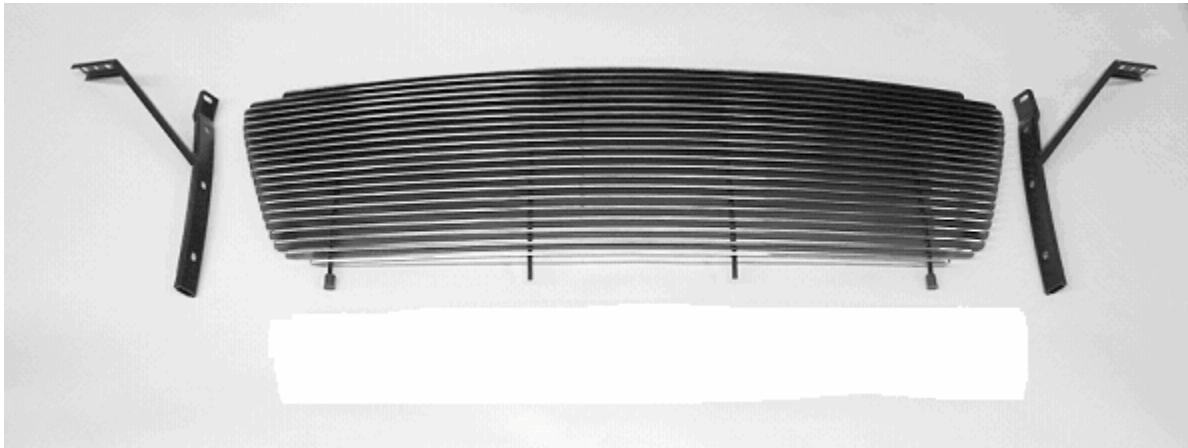
Application: 2004-2006 Ford F150

**Before installing your Roush Performance Product(s), read through the entire installation procedure and check to make sure all items are present.**

For installation of billet grilles that require cutting of the stock shell, proper tools, knowledge and skill are needed. Roush Performance is not responsible for care & accuracy of the installation, only for Fit & Finish of its products. Use a qualified installer or contact original vendor for references to complete all instructions.

### Packaging List for Complete Billet Grill Kit # R09010090

<u>Item</u>	<u>Quantity</u>
F150 Billet Grille Kit (#R03010091)	1
RH Passenger Hood Bracket (#R03010092)	1
LH Driver Side Hood Bracket (#R03010093)	1
Upper Grille "Z" Bracket (#R03010094)	4
Hardware Kit (#R03010095)	1
1/4-20 x 3/4" Blk SHCS	12
1/4-20 Loc Nuts	12
#6 x 1/2" Flat Phillips head screw	4
1/4" Flat Washers	2
1/8 x 7/16 x 3/4 Plastic Washers	6
Flat Tabs	2
Bumper Tabs	4
"U" Brackets	2
Badge Retainer Clips	2
Installation Instructions (#R03010097)	1





### **Equipment and Supplies Required**

10mm wrench or socket and drive  
2 medium sized flat head screwdrivers  
#2 Phillips head screwdriver  
Masking tape  
Marker  
7/16" wrench or socket and drive

### **Suggested Materials**

Silicone RTV sealant

## **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.

## **1. SAFETY REQUIREMENTS**

**STOP! READ IMPORTANT SAFETY CAUTIONS AND WARNINGS BEFORE PROCEEDING.**

### **IMPORTANT SAFETY NOTICE**

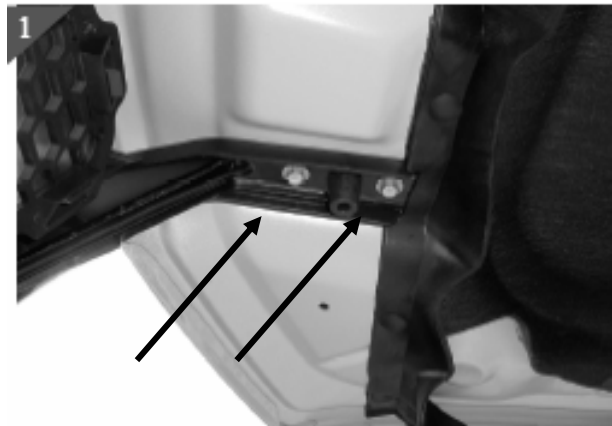
Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation 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. Block the front and rear tire surface to prevent unexpected vehicle movement.

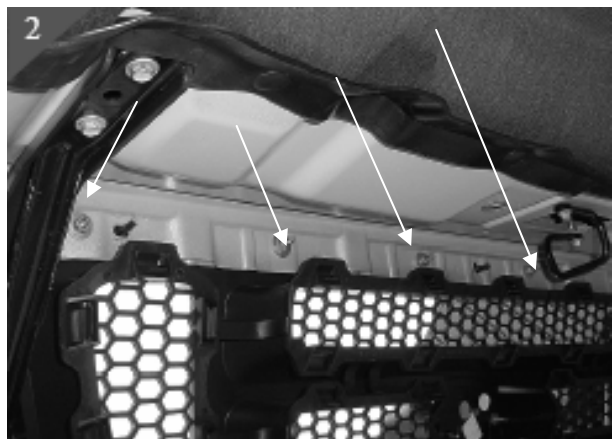


5. Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
6. Do not smoke or use flammable items near or around the fuel system.
7. Use chemicals and cleaners in well-ventilated areas.
8. Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or flammable substances to come near the battery.
9. Keeps hands and any other objects away from the radiator fan blades.
10. Keep yourself and your clothing away from moving parts when the engine is running.
11. Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.

- 1) Start by removing the four 10mm bolts (two per side) that attach the grille frame to the hood.



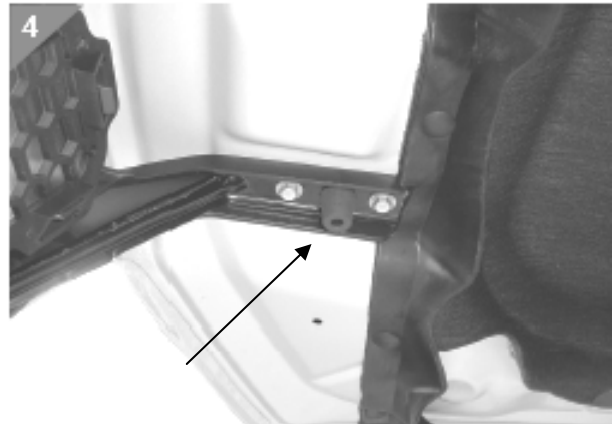
- 2) Remove the 6 (10mm) nuts holding the factory grille along the front edge of the hood shown above in red.



- 3) Hint: To avoid damage while swapping the grill, apply masking tape over all the chrome face of the grill.

# ROUSH *Performance*

- 4) Remove the two rubber stops on the brackets and **SAVE** them. They will be reinstalled. Remove the factory brackets and replace with stronger brackets provided in hardware kit.



- 5) Remove the factory brackets and replace with stronger brackets provided in hardware kit.



- 6) We are getting ready to separate the outer shell from the honeycomb factory grille, but first we need to remove the fiber tape covering the clips.

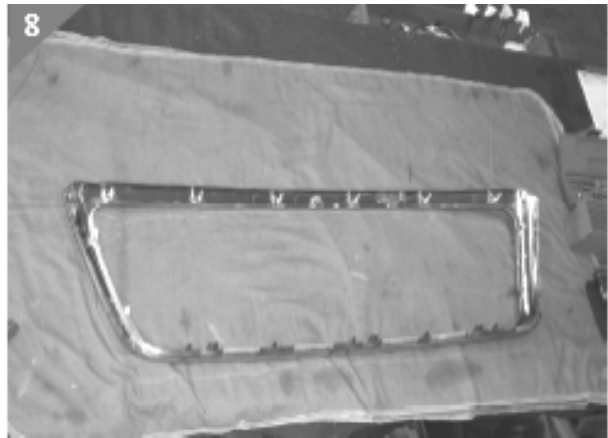


# ROUSH *Performance*

- 7) Once the tape has been removed, you carefully pry out the tabs that attach the honeycomb grille to the outer shell. There are 14 tabs to be released.



- 8) With the tabs released, the grille shell can now be removed from the honeycomb grille. Here is a picture of the frame without the honeycomb grille.



- 9) The Roush Billet grille installs from the back of the shell. Be careful when inserting the grille to avoid scratching the outer shell.

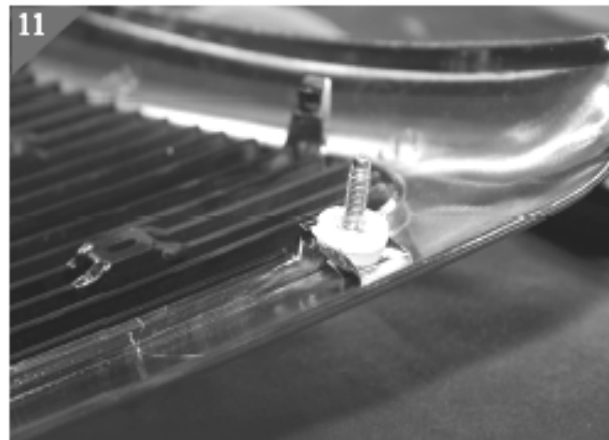


# ROUSH *Performance*

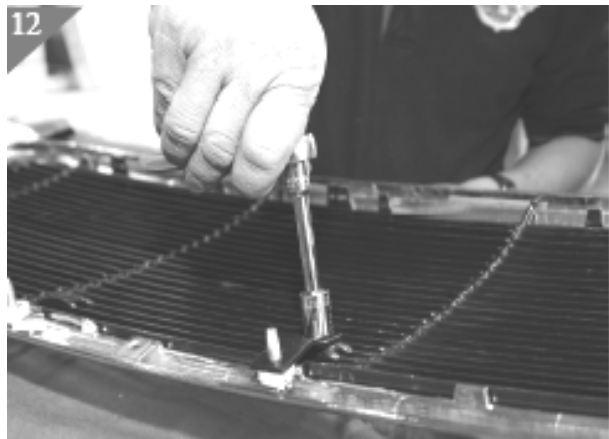
10) Roush Performance Products suggests applying some silicone on the plastic washer so it stays in place during installation.



11) Now place the plastic washers on the studs located on the outer side of the grille. There are four total.



12) We are placing the brackets that will hold the grille to the outer shell. Make sure to have the bend right so that the bracket will meet properly with the flange on the grille. Lightly torque the nuts to hold the grille in place.



# ROUSH *Performance*

13) Now we need to make sure to center the grille in the opening with the front of the billet grille 1/8-inch from the front of the factory outer shell.



14) Mask the bottom of the outer shell so we can mark a spot to drill 4 holes for the bottom screws, which aid in securing and aligning the grille.

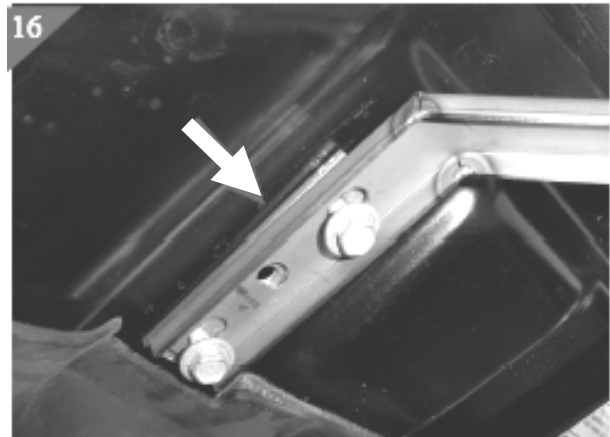


15) Once the holes are drilled, carefully screw in the (4) #6 x 1/2" screws. Screw by hand with a screwdriver so they will not strip the thread. If done correctly the heads will sit nice and flush. A file may be needed to file any burrs off after tightening. Later on align supplied bumpers under these screws. See step 24 for illustration of placement of bumpers.



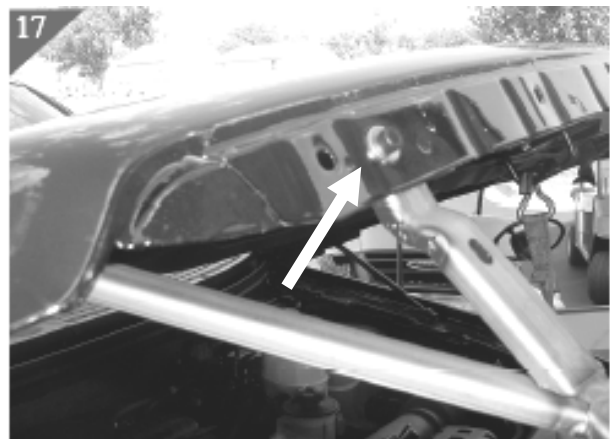
# ROUSH *Performance*

16) Place the flat brackets between the supplied hood brackets and hood and re-install the (4) factory hood bolts. **Finger tighten only.**

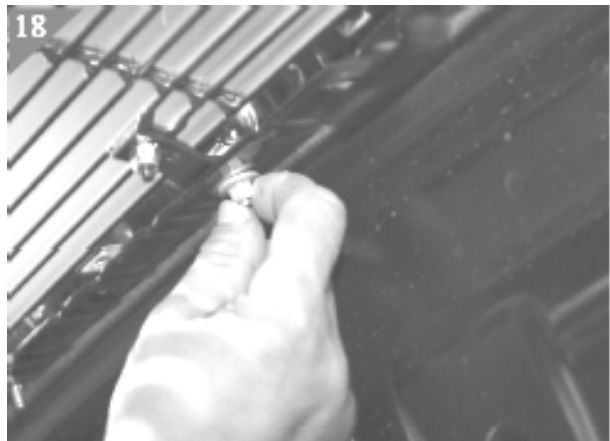


17) Next, attach the supplied hood brackets with flat side of the bracket on the inside of the hood using the  $\frac{1}{4}$ -20 x  $\frac{3}{4}$  socket screw, flat washer, and safety nut finger tight as shown.

**Note:** Passenger side bracket shown.



18) The mounting tabs that were installed onto the shell studs need to be removed so that the shell can be reinstalled onto the hood.

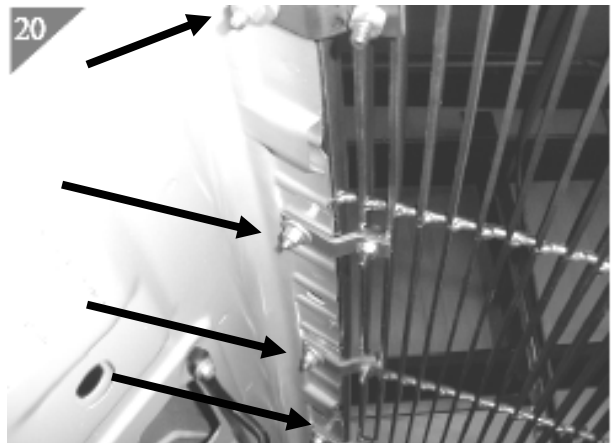




19) Now Place the grille on the hood.



20) Using a slight upward pressure on the bottom of the grille attach the four supplied brackets to the billet grille as shown using the factory nuts and the supplied 1/4-20 bolts and nuts as shown. These brackets will be tight as they are used to hold the grille and shell in the correct final position. Tighten all nuts and bolts.



21) Reinsert the factory rubber bushing on the grille bracket. If needed you can add some dry silicone to help ease it back in place.

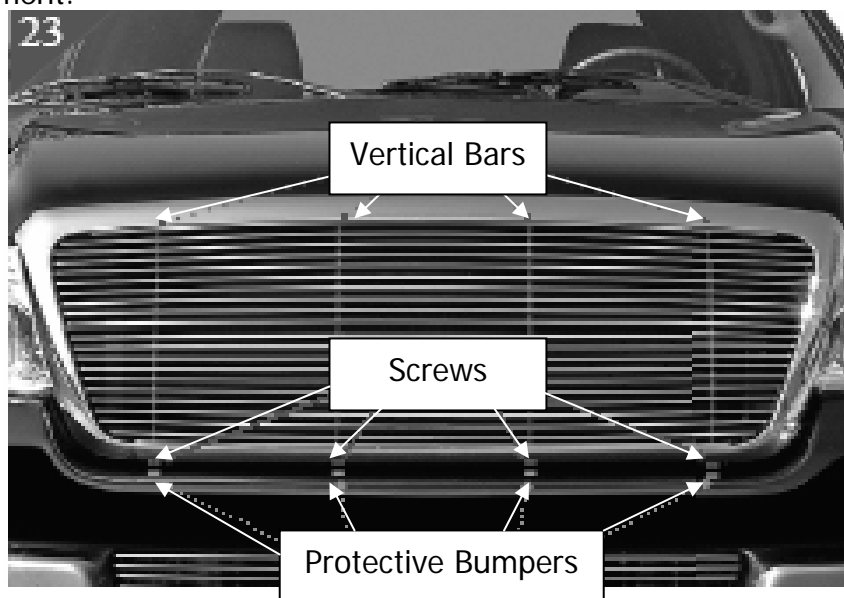


# ROUSH *Performance*

22) **Carefully** lower the hood and check the alignment of the grille with the headlights. Do not allow full weight of the hood or use force to close the hood as damage may occur to the bumper cover. Adjust the bottom of the grille for proper alignment using the headlight lens as a guide for spacing by loosening the (2) - (10mm) bolts on the hood and or the (3) Bolts holding the grille to the hood brackets. Once adjusted properly, tighten all bolts and nuts. Adjust the rubber bump stops at the bottom of the grille so that the grille barely touches when hood is closed. There should be 1/4" between top of bumper cover and bottom of screw head.



23) Next, place the self adhesive protective bump stops as shown above. Place them on the bumper mask directly below the screws on the vertical rods. Again check for alignment.



# ROUSH *Performance*

24) Remove FORD logo from factory grille shell by removing the two 10 mm nuts on the back side of the factory grille shell. If not installed, push the retainer clips inside the "U" brackets.

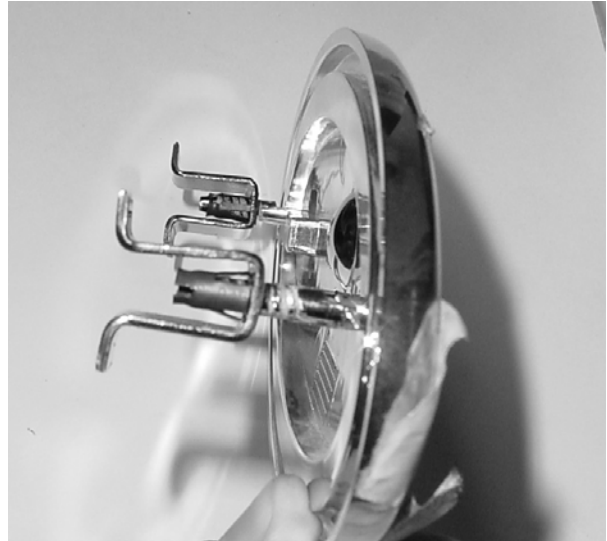


25) Mark the location of where the studs protrude through the billet grille after you have centered the FORD Logo on the front of the billet grille. Locate on the back of the billet grille where the brackets need to be inserted for installation of the FORD logo and push the brackets in between the bars.





26) The center plastic stud on the FORD logo may need to be removed for proper installation. Reinstall the FORD logo from the front of the billet grille. Push the FORD logo into the retainer clips that are inside the "U" bracket assemblies that have been inserted from the back of the billet grille in step 2. At each location where the logo protrudes through the bracket place a small amount of silicone caulking for added strength and security.



**Note:** Please adjust horizontal blades if irregular. This is the result of shipping and handling outside of Roush Performance's control. Also Roush Performance Recommends applying a high quality automotive wax to maintain the original appearance.

**Note:** If items are missing or for any questions regarding the installation of this kit, please contact Roush Performance toll free at 1-800-59-ROUSH.



## 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.