

## Ford Mustang Rear Decklid Spoiler Kit

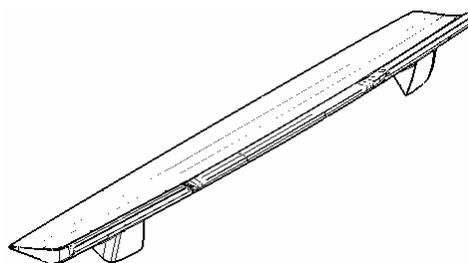
Application: 2005-09 Ford Mustang

### Installation Instructions

Before installing your ROUSH Performance Product(s), read through the entire installation procedure and check to make sure all items are present. Contact ROUSH Customer Service at 1-800-59-ROUSH, 9:00 AM to 5:00 PM weekdays, for any questions regarding fit or instructions that are unclear to you.

#### Packaging List for Complete Rear Decklid Spoiler Kit #R03030062

<u>Item</u>	<u>Quantity</u>
Rear Spoiler Center (#R03030063)	1
Rear Spoiler Left (#R03030064)	1
Rear Spoiler Right (#R03030065)	1
Hardware Kit, Decklid Spoiler (#R03030075)	1
Nut, M6-1.0 Hex Flange	6
Bolt, M6-1.0x12.5mm Hex Flange Pilot	6
Button Head Allen Bolt, M6x1x10mm	2
Tape, Foam 77x35mm (center spoiler)	2
Tape, Foam 75x43mm (center spoiler)	2
Tape, Foam Disc (center spoiler)	2
Tape, Adhesive 12x1230mm (center spoiler)	2
Tape, Adhesive 12x93mm (center spoiler)	2
Tape, Foam 82x93mm LH (side spoiler)	1
Tape, Foam 82x93mm RH (side spoiler)	1
Tape, Foam 54x75mm RH (side spoiler)	1
Tape, Foam 54x75mm LH (side spoiler)	1
Body Plug, Rubber ½" Diameter	2
Drill Template, Center Spoiler (#R03030077)	1
Drill Template, Side Spoiler RH (#R03030079)	1
Drill Template, Side Spoiler LH (#R03030078)	1
Installation Instructions (#R03030080)	1



Rear Spoiler Center  
#R03030063



Rear Spoiler Left  
#R03030064



Rear Spoiler Right  
#R03030065



Bolt, M6-1.0x12.5mm Hex  
Flange Pilot

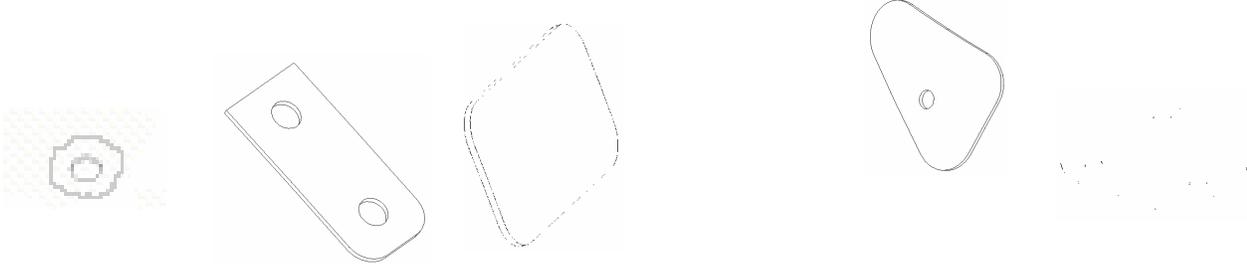


Nut, M6-1.0  
Hex Flange



Tape, Adhesive 12x1230mm, qty 2  
Tape, Adhesive 12x93mm, qty 2

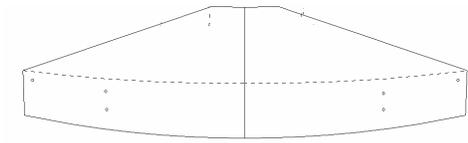
Tape, Foam 77x35mm, qty 2  
Tape, Foam 75x43mm, qty 2



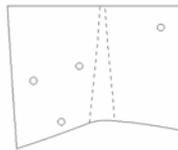
Center Spoiler Foam Tape

Side Spoiler Foam Tape

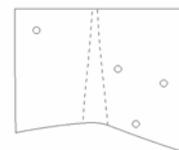
Drill Template, Center Spoiler  
#R03030077



Drill Template, Side Spoiler RH  
#R03030079



Drill Template, Side Spoiler LH  
#R03030078



## **Equipment and Supplies Required**

Drill Motor  
1/2" rotor broach  
7/16" drill bit  
5/16" drill bit  
1/8" drill bit  
4mm Allen wrench  
8mm socket  
Socket Drive  
Rust Prohibitor  
Soft Cloth  
Role of Masking Tape  
Automatic Center Punch  
Torque Gage (N-m)

## **Suggested Materials**

Dupont® 2319 Plastic Prep  
Dupont® 2330S or equivalent Adhesion Promoter (for paint)  
3M 4298 Adhesion Promoter (for double-sided tape)

## **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 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. 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.

#### **1. Paint Preparation**

1. Wipe each part with plastic prep (Dupont® 2319 or equivalent)
2. Wipe entire part with tack cloth
3. Apply adhesion promoter (Dupont® 2330S or equivalent) prior to color and clear coat applications. This part is made of TPO (Thermoplastic polyolefin) and requires a promoter for paint adhesion.

## 2. Pre-Installation

1. Wear eye protection
2. Clean Rear hatch and quarter panel thoroughly before using drill template.

## 3. Vehicle Preparation

1. Remove factory spoiler (if not equipped skip to step 6.)
2. Open rear trunk, raise decklid
3. Remove M6 nuts securing spoiler to decklid, 4 total. (Refer to Figure A)

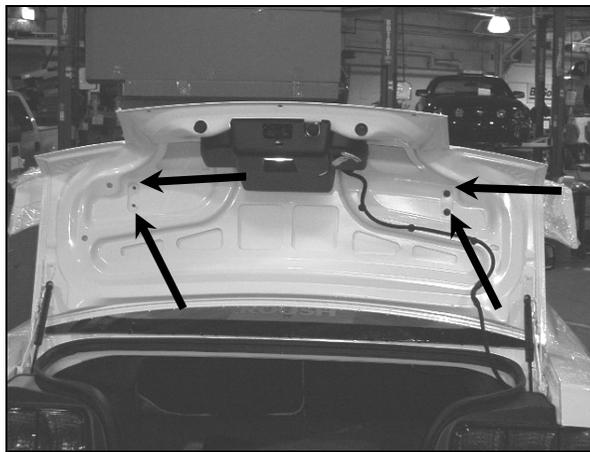


Figure A

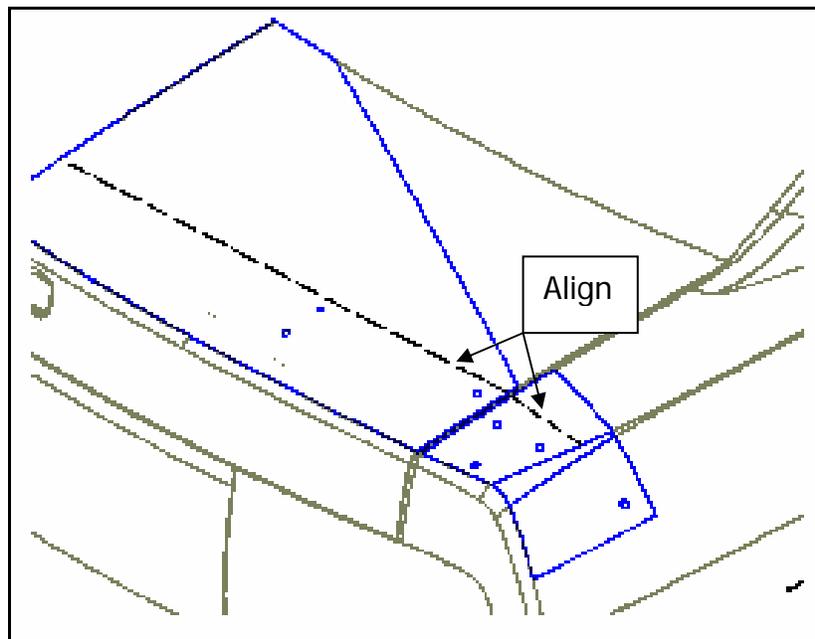
**Note: Spoiler must be held in place at the same time nuts are removed in order to prevent damage to vehicle.**

4. Remove spoiler from vehicle.
5. Clean old foam gasket from decklid.
6. Remove trunk liner at rear of vehicle to gain access to side spoiler fasteners by removing a pushpin, 1 each side. (Refer to Figure B)



Figure B

7. Position drill templates to body (Refer to Figure C) starting with the center spoiler template, then the side templates. If the vehicle was equipped with a factory spoiler, use the factory spoiler attachment holes to help align the center template to the deck lid. Refer to the alignment notes on the drill templates to align the side spoiler template to the center template. Tape templates into place.



**Figure C:** Shows right side of vehicle

8. Transfer hole centers from template to body using automatic center punch.

## 4. Center Spoiler Preparation

1. Pre-drill a 1/8" hole in the center of the marked holes. (The two outside hole locations on the center template should be drilled through both the outer sheet metal and reinforcement portion of the deck lid using the 1/8" drill bit).
2. Use a 7/16" drill bit to open up the (4) center holes in the decklid and use a 5/16" drill bit to open up the (2) outside hole locations, according to the template.
3. Open the rear deck lid. Using the outside 1/8" hole as a guide, drill a 1/2 in access hole, with a rotor broach, into the **reinforcement portion** of the deck lid at the two outside hole locations. **DO NOT** drill all the way through the outer sheet metal on deck lid (Refer to Figure D).

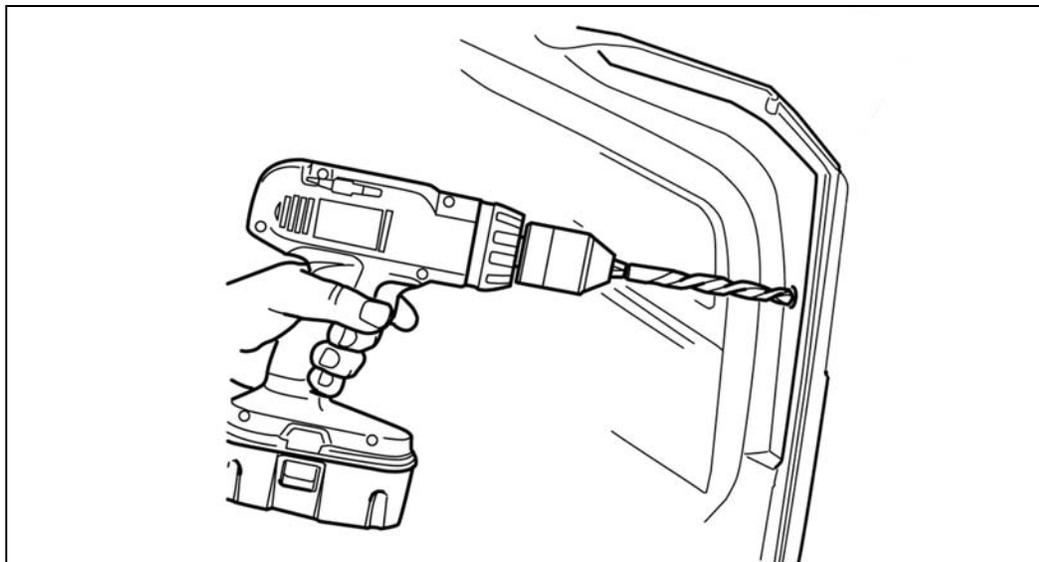


Figure D

## 5. Side Spoilers Preparation

1. Pre-drill a 1/8" hole in the center of the marked holes.
2. Use a 5/16" drill bit to open up the hole locations.
3. De-Burr all holes and remove metal shavings from area.
4. Remove drill templates.
5. Apply rust prohibitor to new hole openings

**Note: It is recommended to use a rust prohibitor for all metal surfaces that have been drilled or cut.**

## 6. Spoiler Preparation

1. Install adhesive tape strips and foam to center spoiler. (Refer to Figure E)
  - a) Tape, Adhesive 12x1230mm (center spoiler top/bottom), qty 2.
  - b) Tape, Adhesive 12x93mm (center spoiler sides), qty 2.
  - c) Tape, Foam 77x35mm (center spoiler at studs), qty 2.
  - d) Tape, Foam 75x43mm (center spoiler at stanchions), qty2.
  - e) Tape, Foam Disc (center spoiler sides), qty 2.
2. Install foam to side spoiler LH/RH. (Refer to Figure E)
  - a) Tape, Foam 82x93mm LH (side spoiler, top), qty 1.
  - b) Tape, Foam 82x93mm RH (side spoiler, top), qty 1.
  - c) Tape, Foam 54x75mm LH (side spoiler, side), qty 1.
  - d) Tape, Foam 54x75mm RH (side spoiler, side), qty 1.

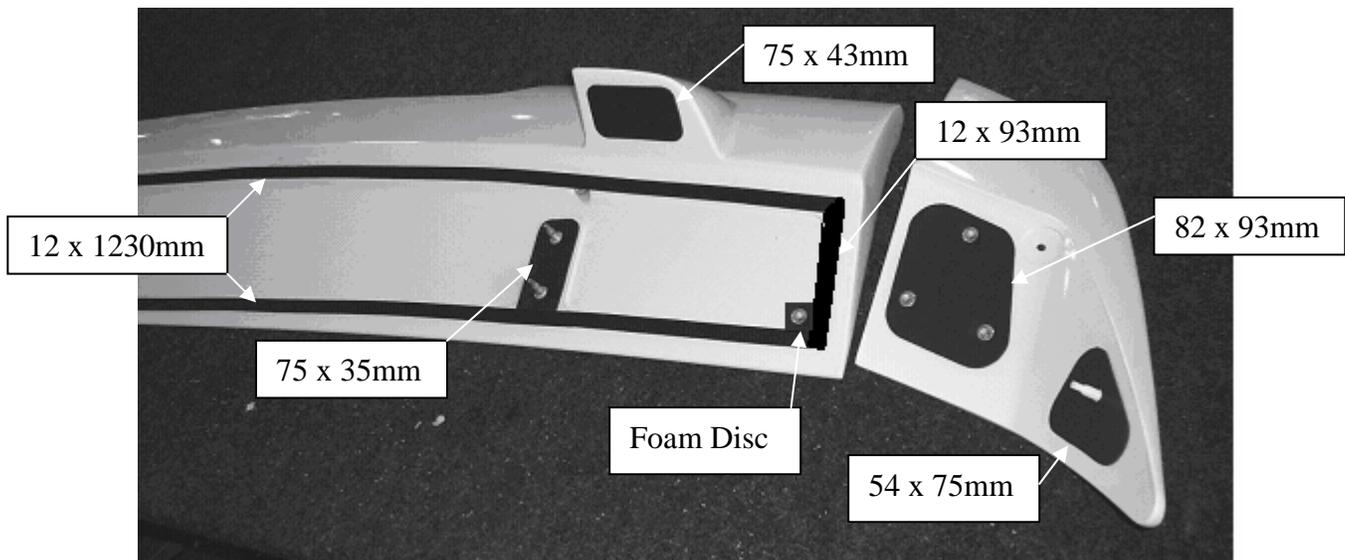


Figure E

## 7. Rear Spoiler Installation

1. Trial fit Center and Side Spoilers to body. Verify centering to decklid and consistent gapping to body and side and center spoilers relative to each other.
2. After fit is reviewed, remove parts for final assembly.
3. Install Center Spoiler to rear decklid.
  - a) Remove 2" section of tape backing creating a tab to allow adjustment without tape sticking.
  - b) Position spoiler to decklid, verify proper alignment.
  - c) Remove tape backing by pulling tabs.
  - d) Install supplied nuts (4) and bolts (2) (**Torque to 5 N-m**). Caution, over tightening will cause damage to decklid (Refer to Figure F).

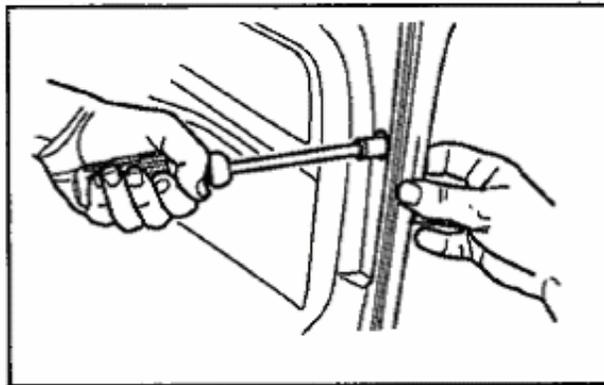


Figure F

- e) Secure bond by applying pressure to taped area.
- f) Install the (2) black ½-inch body plugs into the access holes in the reinforcement portion of the deck lid (Refer to Figure G).

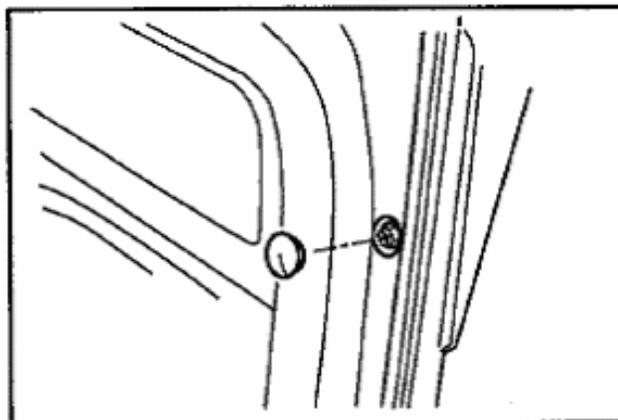


Figure G



4. Install Side Spoilers LH/RH.
  - a) Position spoiler to body side.
  - b) Install (hand tight) supplied 3 bolts and 1 nut to side spoiler.
  - c) Align side spoiler to center spoiler and body.
  - d) Tighten fasteners (**Torque to 5 N-m**). Caution, over tightening will cause damage to car.
  - e) Repeat for opposite side spoiler.
  - f) Verify proper alignment of all three pieces; adjust side spoilers if necessary.
  
5. Reinstall the trunk liner at side spoiler fasteners.

**Congratulations!!!** You have completed the installation of the ROUSH Performance Products, Ford Mustang Rear Decklid Spoiler 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.

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