



2010 MUSTANG
BOY RACER KIT

3dCARBON™

INSTALLATION INSTRUCTIONS

Rev. 04-10

| QTY | 3D PART NO. | DESCRIPTION |
|-----|-------------|--------------------------|
| 1 | 691609 | FRONT BUMPER REPLACEMENT |
| 1 | 691610 | RIGHT SIDE SKIRT |
| 1 | 691611 | LEFT SIDE SKIRT |
| 1 | 691612 | REAR LOWER SKIRT |
| 4 | 3M 94 | 3M ADHESION PROMOTER |

HARDWARE SUPPLIED

| | |
|----|-----------------------------------|
| 16 | #8 X 3/4" SELF DRILLING SCREWS |
| 12 | FEET 3M DOUBLE FACE TAPE |
| 6 | STAINLESS STEEL SCREWS W/ WASHERS |
| 4 | GARNISH MOULDING FASTENERS |
| 1 | MESH GRILLE |

TOOLS & MATERIALS REQUIRED

- 1/4" Drive Socket Set
- Phillips Screw Tip
- 90 Degree Angle Screw Gun Attachment
- Christmas Tree Clip Puller
- Clean Wiping Cloths
- Air or Electric Drill Motor
- 1/8" Drill Bit & 1/4" Drill Bit
- Lacquer Thinner



CAUTION!!!! IF A HEATED SPRAY BOOTH IS USED FOR BAKING THE PRIMER OR PAINT, DO NOT BAKE OR CURE GREATER THAN 120 F DEGREES FARENHEIT. THE PARTS CAN BE DISTORTED AND PERMANENTLY DAMAGED.

NOTE: These step by step installation instructions are for after the kit is painted. Please see the “Prepping and Painting” Instructions prior to prepping the parts for paint.

PREPPING THE KIT PRIOR TO PAINT

The first step is to inspect the parts to make sure you have the correct parts. Refer to the part numbers on the back of the parts to confirm the Year – Make – Model. Parts that are prepped and painted cannot be returned or exchanged.

Using lacquer thinner and a clean cloth – clean the tape flange surface on the back of each part where the double-sided tape will be applied. Using 1” masking tape, apply the tape 1/8” below the top edge of the part. This will protect the tape flange from getting contaminated during the prepping and painting process.

Refer to Prepping and Painting Instructions for “Step by Step” procedures.

APPLYING THE 3M TAPE TO THE KIT

After the kit has been prepped and painted, the double face tape should be applied to the parts. The tape is not pre-installed on parts prior to shipping because the tape can be contaminated during the sanding/ priming and painting process.

The first step is to clean the tape flange on the back of the parts where the tape will be applied. Make sure the complete tape flange is clean and free of all primer and paint. Using lacquer thinner on a clean rag, thoroughly clean the tape flanges on all parts of the kit.

Using the adhesion promoter bottle with felt tip supplied, apply it to the tape flanges – be careful not press too hard causing too much to be applied. The adhesion promoter will leave a thin clear polymer primer film that will increase the bonding strength of the double face tape.

The tape should be applied 1/8” down from the top edge of the part so that it cannot be seen after the kit is installed. The tape is to be applied from the wheel well to the center. Press the tape firmly to the surface to ensure good adhesion. (See image #1)



Repeat the cleaning and adhesion promoter steps on all parts of the kit.

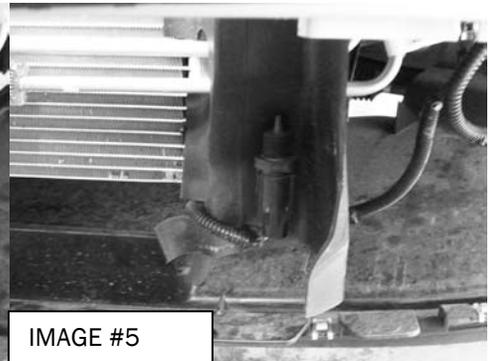
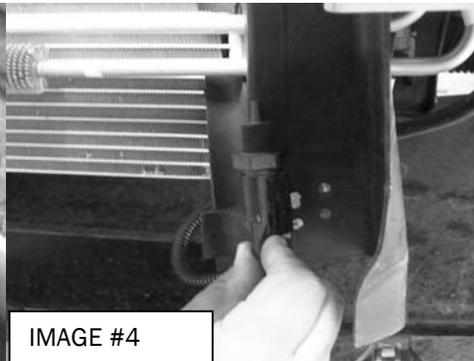
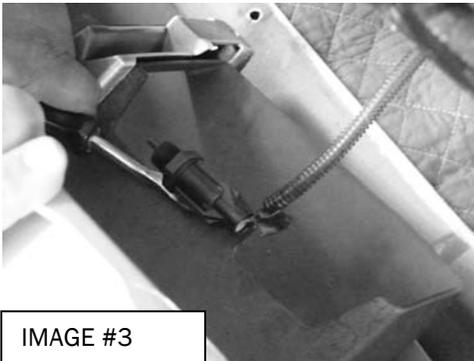
FRONT BUMPER REPLACEMENT

| HARDWARE SUPPLIED | |
|-------------------|-----------------------------------|
| 2 | #8 X 3/4" SELF DRILLING SCREWS |
| 6 | STAINLESS STEEL SCREWS W/ WASHERS |

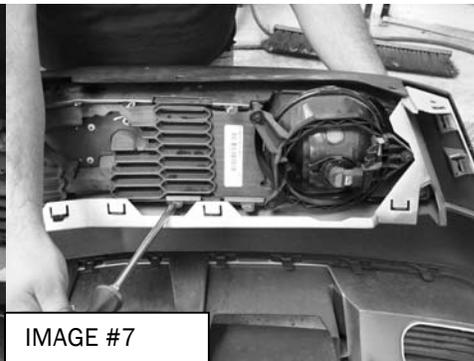
STEP 1) Open the hood and remove the trim panel over the radiator by using a clip puller - remove the (8) plastic push clips (See Image #2). Remove the (2) 8mm screws that secure the top of the front bumper. Remove the (2) 7mm screws in each wheel well that secure the bumper to the inner fender panel. Locate and remove the (4) 5.5mm screws under the front of the bumper that secure the bumper to the wind deflector panel. **DO NOT DISCARD THE FACTORY SCREWS AND CLIPS.** They will be used to install the 3dCarbon front bumper replacement in Step 7.



STEP 2) Carefully pull the bumper forward enough to access the wiring connectors on the side fog and marker lights. Disconnect the plug from the side marker lights. Locate and remove the air temperature sensor and relocate it as shown in images #3-5. Now remove the bumper completely from the car. Remove the front marker lights and the front grille from the bumper.



STEP 3) Remove the factory grille from the factory bumper. **DO NOT DISCARD.** It will be re-installed on the 3dCarbon front bumper. (See Images #6-8.)



STEP 5) Lay the new 3d bumper replacement upside down. Place the supplied aluminum mesh grille inside the bumper. Check fit the grille in the opening. Using a screw gun with a Phillips head tip and the (6) stainless steel screws and washers provided, secure the aluminum grille to the front bumper. (See Images #9-10)

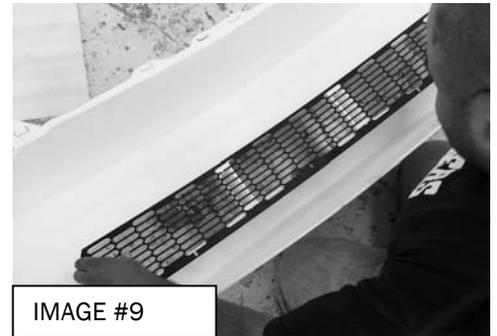


IMAGE #9

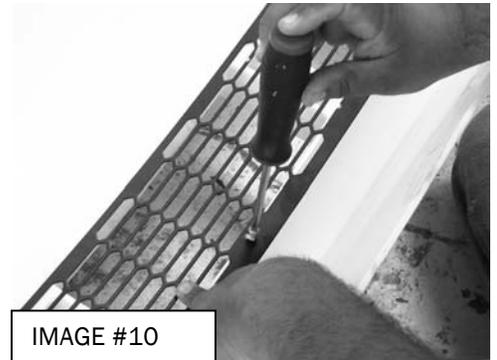


IMAGE #10

STEP 6) Install the original marker lights on the new 3dCarbon bumper. Secure the lights with the factory 10mm nuts. (See Image #11)



IMAGE #11

STEP 7) Install the new 3dCarbon front bumper replacement on to the vehicle. Re-install the trim panel over the radiator by using the (8) factory plastic push clips (See Image). Re-install the (2) factory 8mm screws that secure the top of the front bumper. Re-install the (2) 7mm factory screws through the pre-drilled holes in each wheel well that secure the bumper to the inner fender panel. Re-install the (4) 5.5mm screws under the front of the bumper that secure the bumper to the wind deflector panel.



IMAGE #12

STEP 8) Using a 1/8" drill, drill into the factory bracket in the wheel well and secure with the #8x3/4" self tapping screws provided. (See Images #12-13)



IMAGE #13

SIDE SKIRTS

| HARDWARE SUPPLIED | |
|--------------------------|--------------------------------|
| 12 | #8 X 3/4" SELF DRILLING SCREWS |
| 8 | ADHESION PROMOTER |
| 12 | FEET 3M DOUBLE FACE TAPE |

Step 1) Using a clip removal tool, remove the two plastic clips on each side skirt that secure the factory side skirts in the front wheel wells. Save these for reinstallation of the new side skirts.

Step 2) Using a clip removal tool, remove the clips that secure the factory side skirts on the bottom of the car. Pull the side skirt off the car. Remove any of the clips that stay on the car.

Step 3) Check fit of the new side skirt on the car. After the fit is confirmed, using a grease pencil draw a line along the top of the part for reference during the final installation.

Step 4) Remove the part from the car and using lacquer Thinner, on a clean lint-free cloth, wipe the paint surface where the tape will attach. Be careful not to remove the grease pencil marks. Using the adhesion promoter packages supplied, apply the adhesion promoter to the paint surface where the tape will attach. Be careful not to remove the grease pencil marks during the application.

Step 5) Peel back a small piece of the red plastic backing from the tape, making a tail that can be pulled when the side skirt is installed. (See Image #14)



Step 6) Place the side skirt on the car, positioning it using the grease pencil marks as a reference. Starting with either end, pull the red backing tail and press the new side skirt to the paint surface at the same time. (See Image #15)



Step 7) Using the supplied #8 x 3/4" self-tapping screws, secure the side skirt in the wheel wells through the pre-drilled holes in the rear of the side skirt. Using the factory clips removed from the original side skirts, secure the front of the side skirt through the pre-drilled holes.

Step 8) Locate the (4) pre-drilled holes under the side skirt and secure it to the vehicle using the supplied #8 x 3/4" self-tapping screws.

REAR LOWER

| HARDWARE SUPPLIED | |
|-------------------|--------------------------------|
| 4 | GARNISH MOULDING FASTENERS |
| 2 | #8 X 3/4" SELF DRILLING SCREWS |

STEP 1) Open the trunk and locate the black plastic trim panel that goes around the rear latch. Remove the (4) plastic clips that secure the trim panel.

STEP 2) Remove the two factory taillights. This will make it easier to remove the rear bumper. They will be re-installed in the new rear bumper.

STEP 3) Locate and remove the (3) Phillips head screws in each wheel well that secure the bumper to the body using a 90 degree angle screw gun-Phillips screwdriver tip. Locate and remove the (2) clips that secure the underside of the bumper to the body. Repeat for opposite side. (See Images #16-18) Also remove the two clips in the middle of the bumper. (See Image) The bumper is now ready to pull off the car.



IMAGE #16



IMAGE #17



IMAGE #18

STEP 4) Lay the factory rear bumper on a clean surface. Locate and remove the factory clips and screws that secure the upper and lower half of the factory rear lower. Do not discard any of this hardware. It will be used in the installation of the new 3dCarbon rear lower.

STEP 5) Align the tabs in the 3dCarbon rear with holes in the factory rear bumper and install the new 3dCarbon rear lower bumper on the factory rear. Using the factory clips removed in the previous step, reinstall them on the new 3dCarbon rear lower. (See Image #19-21)



IMAGE #19

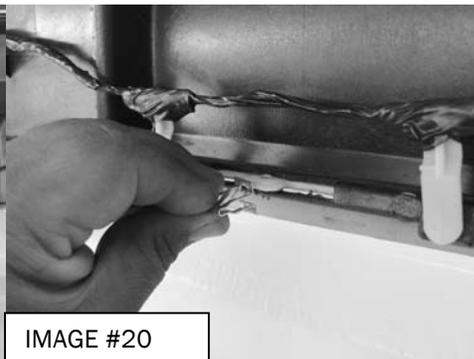


IMAGE #20

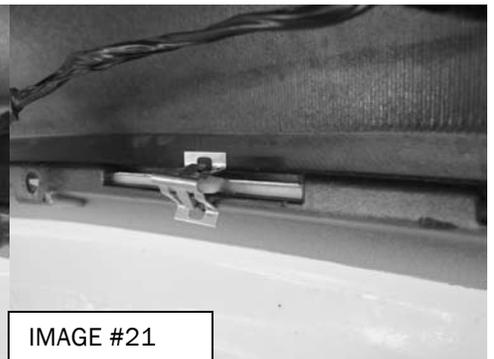
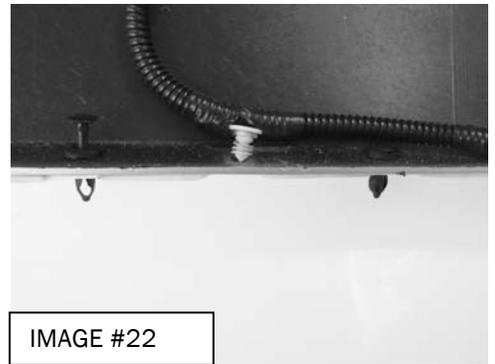


IMAGE #21

STEP 6) Reinstall the factory clips and hardware through the pre-drilled holes on the new 3dCarbon bumper. (See Images # 22-23)



STEP 7) Reinstall the rear bumper onto the vehicle. Reinstall the (3) Phillips head screws through each wheel well using the 90-degree screw gun Phillips head screw tip. Secure the lower half flange to the vehicle using (2) #8 x 3/4" self-tapping screws. (See Images # 24-25)

