

ATTENTION

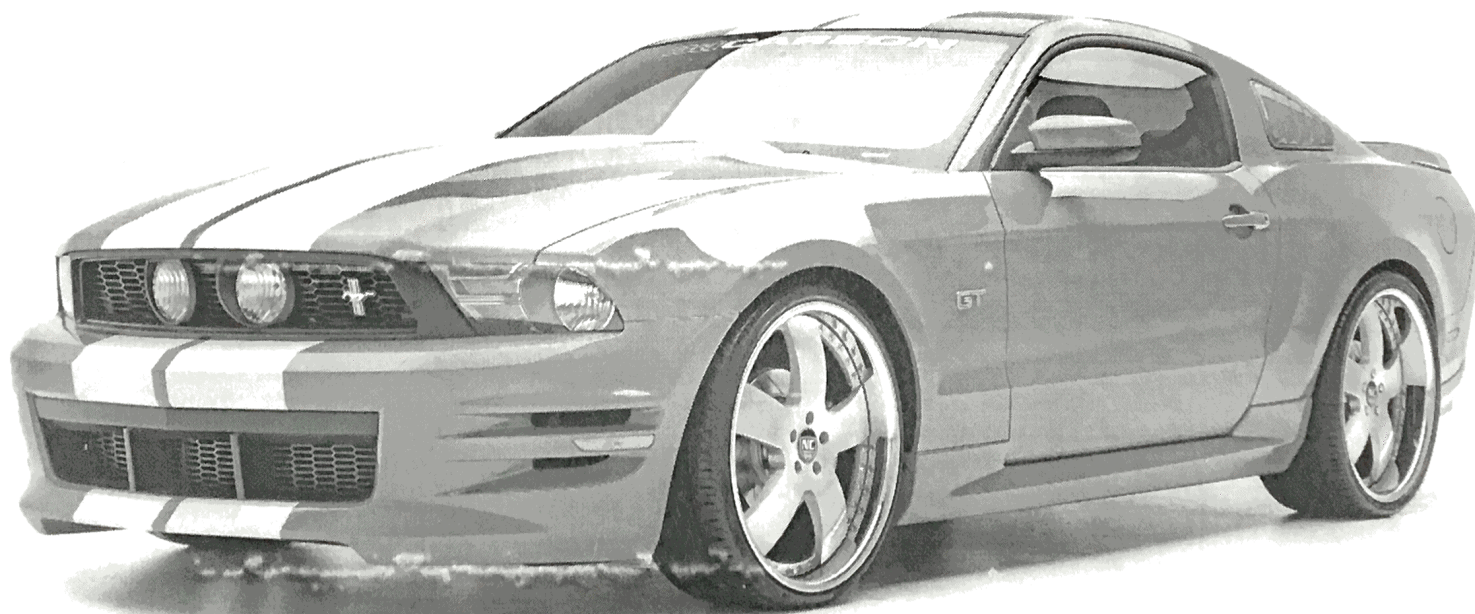


Before attempting installation, inspect all parts for damage before prepping, painting, and installing kit. If parts are damaged or incorrect, make note to shipper and contact the dealer or distributor that shipped your order. If damage is not immediately reported, 3dCarbon will not be responsible for shipping damage



3dCARBON™

INSTALLATION INSTRUCTIONS



2010-12 MUSTANG BOY RACER

4 P.C. KIT // PN: 691613

Rev: 3-5-14

For Installation Assistance

Please Call Us at 949-650-1999 or Email us at info@3dcarbon.com

Instructions Rev. 3-5-14

4 Pc. Kit Includes

QTY	3D PN.	DESCRIPTION
1	691609	FRONT BUMPER REPLACEMENT
1	691610 (Right) / 691611 (Left)	R/L SIDE SKIRTS
1	691612	REAR LOWER SKIRT

Double-check to ensure that all of the parts are included in your shipment. Please contact 3dCarbon immediately if you are missing any part.

Important Notice – Vehicle Prepping Prior to Installation

The procedure for installing the 3dCarbon Mustang Boy Racer Front Air Dam involves two types of installation procedures – Mechanical Screws and 3M VHB Tape.

It is critical that the paint surface of the vehicle be room temperature - no less than 70 deg F. The paint surface must be clean and free of any contamination: IE: dirt, road salt, moisture and wax.

The procedure for cleaning the paint surface on the vehicle will include using wax and grease remover. 3dCarbon recommends using SEM Solve - Part Number 38373. After the paint surface is cleaned, we recommend using a quick wipe of acetone, followed by 3M 94 Adhesion Promoter. These steps will ensure proper adhesion of the 3M tape to the paint surface. For a successful installation, do not substitute any steps or materials.

The wet out and curing time for the 3M PT1100 Tape is 24 Hours.

Keep the vehicle dry and at room temperature for 24 hours after the installation to allow the wet out of the tape.

For removal and reinstallation of any component of the body kit – contact 3dCarbon for step-by-step technical support and reinstallation materials.

For any technical questions on the installation or service of the parts contact the following:

3dCarbon
845 W 16th St
Newport Beach Ca 92663
949-650-1999 P

Tech Support- info@3dcarbon.com
Warranty Inquiries - E mail – warranty@3dcarbon.com

These parts are available pre painted in all factory colors from 3dCarbon

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. SEE PREPPING & PAINTING INSTRUCTIONS FOR MORE INFO.

MATERIALS/ TOOLS REQUIRED	
ACETONE	¼" DRIVE RACHET SOCKET SET
SHOP RAG	1" MASKING TAPE
ELECTRIC DRILL MOTOR	CHINA MARKER
PHILLIPS SCREW GUN TIP	9/64" DRILL BIT

INSTALLATION STEPS // FRONT BUMPER REPLACEMENT

HARDWARE SUPPLIED	
2	#8 x ¾" SELF DRILLING SCREWS
6	STAINLESS STEEL SCREWS W/WASHERS
1	MESH GRILLE

Step 1)

Open the hood and remove the trim panel over the radiator by using a clip puller, and then remove the (8) plastic push clips (See Image #1).

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.



IMAGE #1

Step 2)

Carefully pull the bumper forward to access the wiring connectors on the side fog and marker lights. Disconnect the plug from the side marker lights.



IMAGE #2

Locate and remove the air temperature sensor and relocate it as shown in images #2-4.

Locate the two pre-drilled holes in the back of the side skirt. Hold the part in position—the correct location of the side skirt will look like the fitment shown in Image #3.

Using a china marker, mark the vehicle's paint surface through the pre-drilled holes. Remove the side skirt. Using the 9/64" drill bit, drill through the pre-marked holes (See Images #4 & 5).

Apply the POR 15 Rust Preventative Coating on the drilled holes.

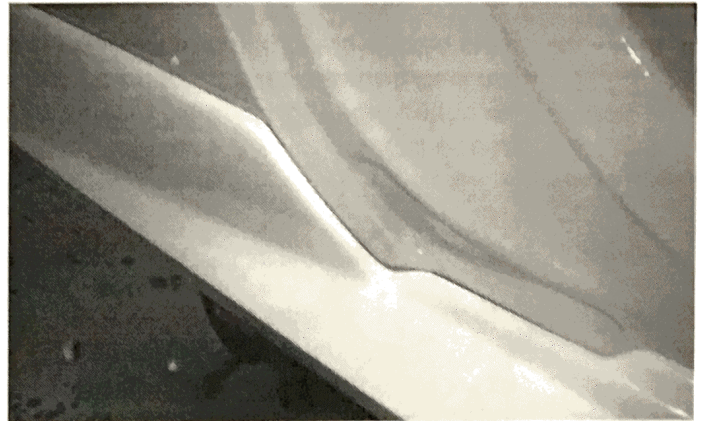


IMAGE #3

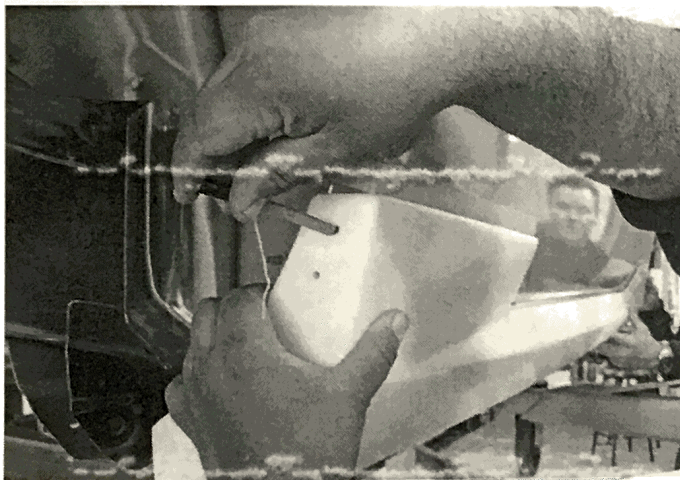


IMAGE #4



IMAGE #5

Step 3)

Using acetone on a shop rag, clean the tape flange on the back of the part, and the paint surface on the car where the tape will attach. Be careful not to remove the grease pencil marks (See Image #6).

Using another clean shop rag, apply the 3M 94 Adhesion promoter to the paint surface on the car and the tape flange on the back of the part where the tape will attach, once again being careful not to remove the grease pencil marks.

Once the promoter is dry, apply the 3M PT1100 Tape to the back of the part. Be sure to press firmly, applying a minimum 15lbs of pressure. *Note: If the kit is ordered pre-painted, the tape comes pre-applied.*



IMAGE #6

Step 4)

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 #7).

Step 5)

Place the side skirt back 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 #7)

Apply a minimum of 15 lbs pressure along the tape flange to ensure a good adhesion to the paint surface.

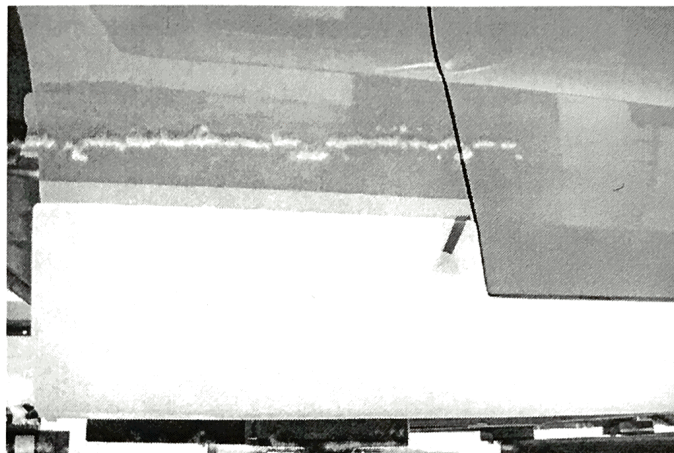


IMAGE #7

Step 6)

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. Next, use the factory clips removed from the original side skirts to secure the front of the side skirt through the factory holes. (See Image #8)



IMAGE #8

Step 7)

Locate the (4) factory holes under the side skirt and secure it to the vehicle using the supplied x-mas tree clips. (See Images #9 & #10)



IMAGE #9



IMAGE #10

Step 4)

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 #8-9)

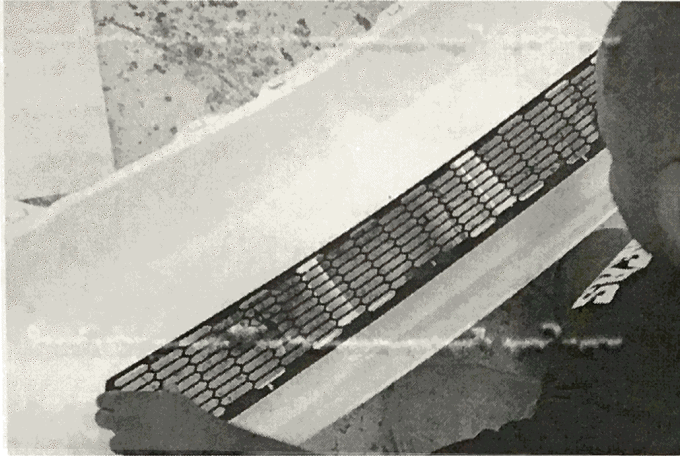


IMAGE #8

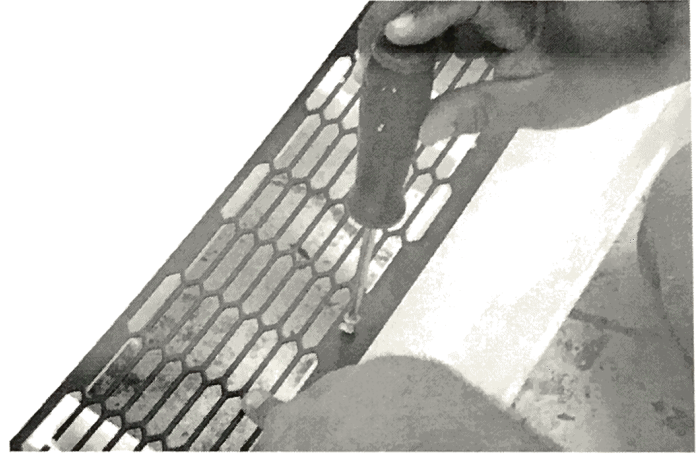


IMAGE #9

Step 5)

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

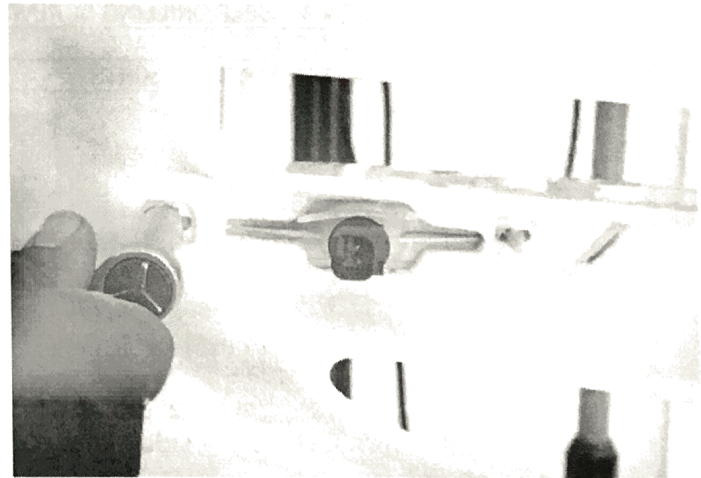


IMAGE #10

Step 6)

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. 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.

Step 7)

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 #11-12)



IMAGE #11

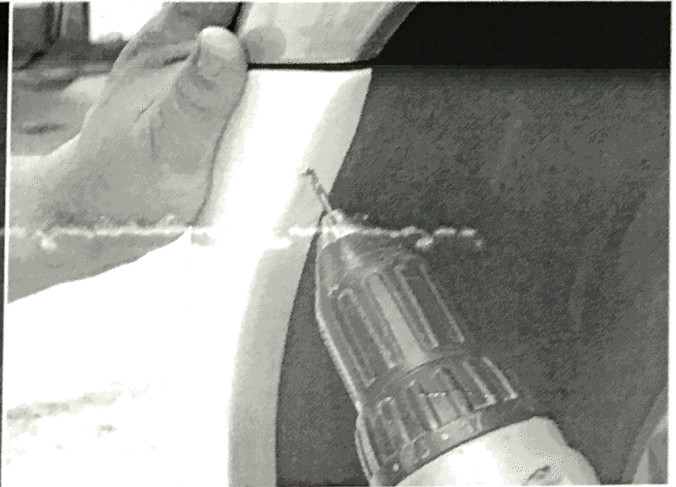


IMAGE #12

INSTALLATION STEPS // SIDE SKIRTS

HARDWARE SUPPLIED	
4	#8 x 3/4" SELF DRILLING SCREWS
12'	3M DOUBLE FACE TAPE
8	XMAS TREE SIDE SKIRTS

Step 1)

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

Next use the clip removal tool to remove the clips that secure the factory side skirts on the bottom of the car.

Pull the factory side skirt off the car. Remove any of the clips that stay on the car.

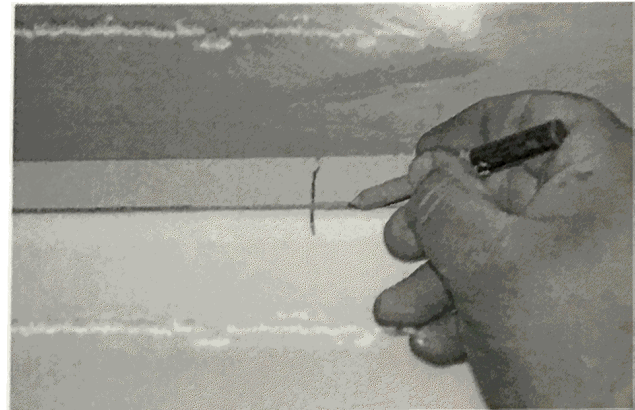


IMAGE #1

Step 2)

Check fit the new side skirt on the car. After the fit is confirmed, make sure that the holes in the front of the side skirt align with the two holes from the factory clips removed in Step #1.

Hold the part in position and draw a line along the top of the part, using a china marker, for reference during the final installation see (Image #1 and #2).

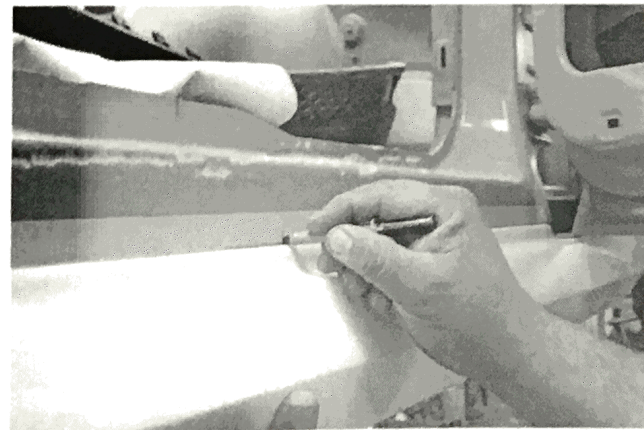


IMAGE #2

INSTALLATION STEPS // REAR LOWER SKIRT

HARDWARE SUPPLIED	
2	#8 x ¾" SELF DRILLING SCREWS
4	GARNISH MOULDING FASTENERS
8	XMAS TREE SIDE SKIRTS

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 #1-3) Also remove the two clips in the middle of the bumper. (See Image) The bumper is now ready to pull off the car.



IMAGE #1



IMAGE #2



IMAGE #3

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 #4-6)

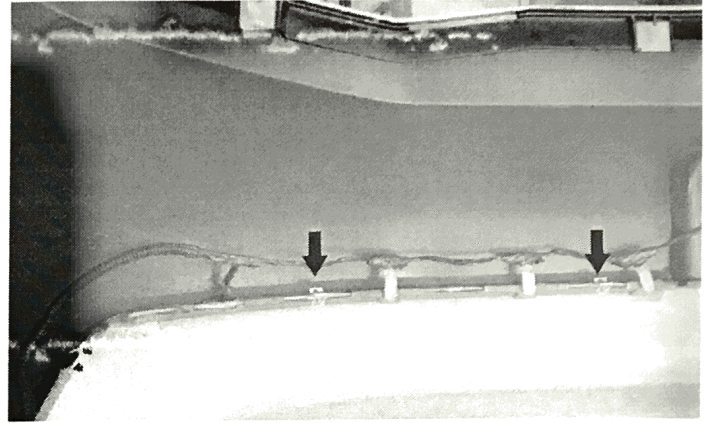


IMAGE #4

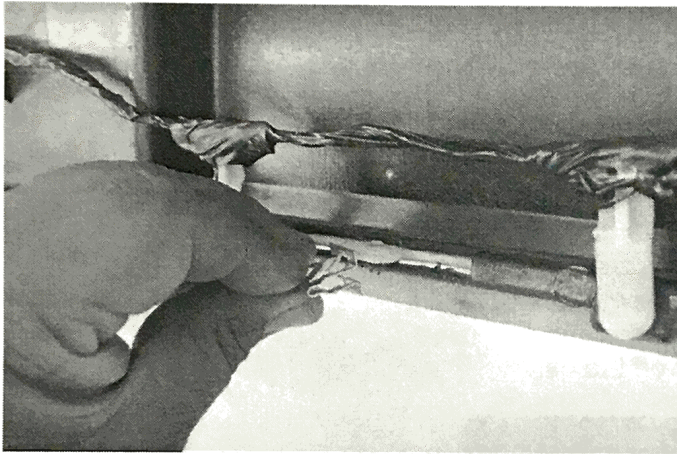


IMAGE #5

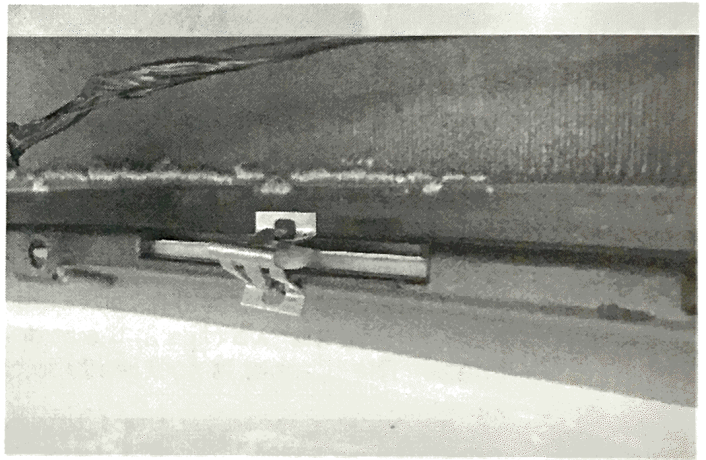


IMAGE #6

Step 6)

Reinstall the factory clips and hardware through the pre-drilled holes on the new 3dCarbon bumper. (See Images # 7-8)

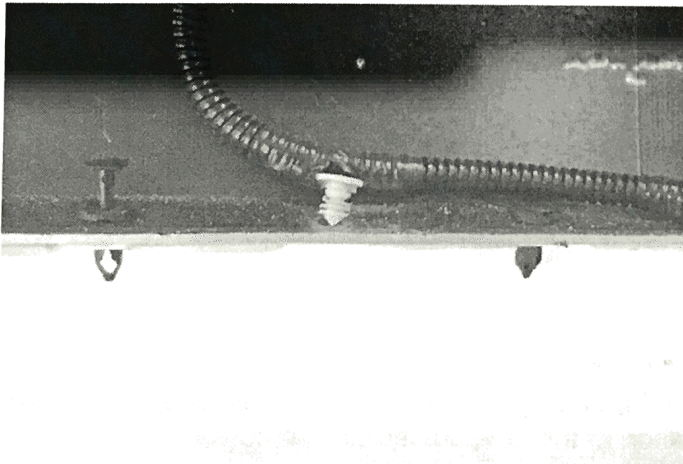


IMAGE #7

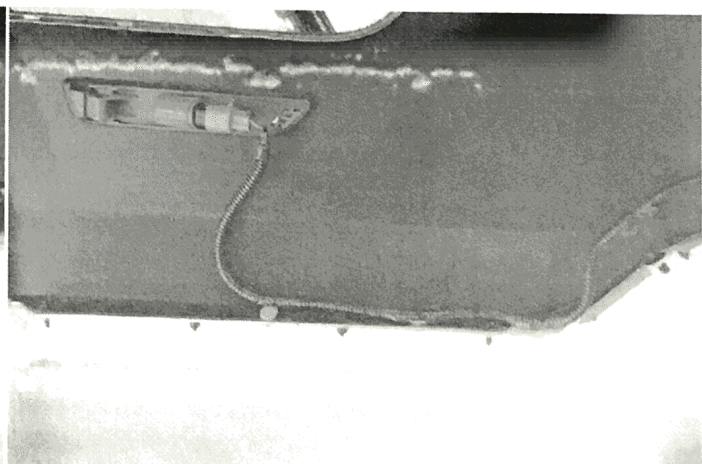


IMAGE #8

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 # 9-10)

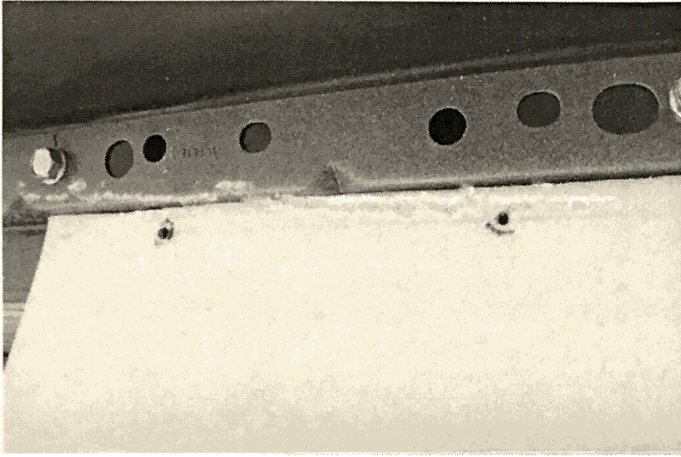


IMAGE #9

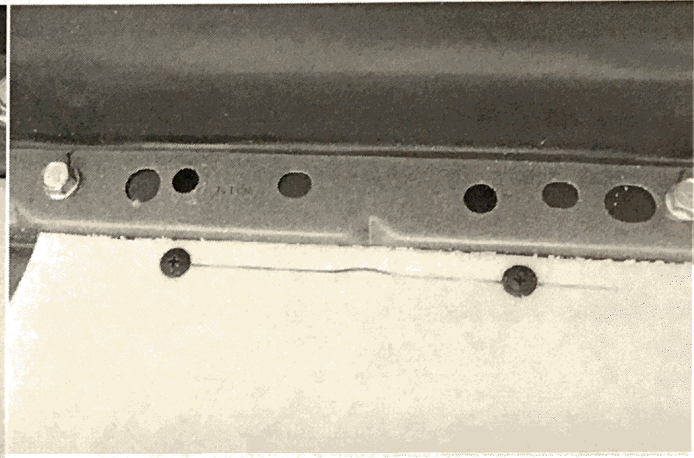


IMAGE #10