

# **T-REX**

## **Billet Grilles**

# **80471**

**05-08 CHRYSLER**  
**300 All Models**

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## **HYBRID SERIES INSERT - CHROME**

### **Tools Required:**

Slotted Screwdriver  
Philips Screwdriver  
Drill & Drill Bit Set  
Small Hammer and 1/16" Punch  
7MM & 10MM Sockets  
Loctite ® (Optional\*\*)

### **Hardware:**

1 Billet Insert, (Hybrid Series)  
4 10-32 x 1.5" Studs  
4 #10 Flat Washers  
4 Flange Nuts  
4 Nylon Lock-Nuts  
6 Plastic Body Retainers

## **Read and understand instructions before attempting installation**

### **Step 1**

Open the hood. Use a screwdriver to remove the four push in fasteners along the top of the bumper cover (Fig. 1). Next, remove the two-piece plastic cover assembly behind the four fasteners. Each cover has two press-in clips securing them in place. Pull up to remove them. Just behind the chrome grille in each lower corner is a molded flap that is secured to the foam bumper pad. Access these fasteners through the area from the two-piece cover. These are a special 1/8" square head design screw. These can be unscrewed by hand.



**(READ ALL OF STEPS 2 AND 3 BEFORE CONTINUING)**

### **Step 2**

***This grille may be installed without removing the bumper cover.*** This step will provide this information. If you proceed with this process, finish Step 2 and skip to Step 4. This will require a special 90' angle Phillips Screws driver. The screws along the bottom of the grille rest against front of the foam bumper pad (behind the bumper cover). This screwdriver will remove these screws when you pull the bumper cover away from the foam bumper pad (Fig. 2). Now remove the ten Phillips screws holding the chrome grille to the bumper cover. Depress the two clips on each end of the grille (Fig. 3). Use a small flat screw driver to pry theses clips out. Remove the grille.

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**(READ ALL OF STEPS 2 AND 3 BEFORE CONTINUING)**

### **Step 3**

***This grille may also be installed by removing the bumper cover.*** This step will provide this information. If you proceed with this process, skip Step 2 and proceed to Step 3.

The entire bumper cover assembly may be removed to install the grille. If you deem necessary, remove the three plastic rivets securing the bumper cover to splash shields just below the fender line in each wheel well (6 total). Access the rivets on each end of the bumper cover. Use a small hammer and punch to remove the center from each plastic rivet. These rivets will be replaced with new hardware. Each end of the bumper cover is secured to the fenders with a 10mm bolt. Access these bolts from the bottom by pulling the wheel well splash shields back. Remove the bolts. Remove the bolts that hold the engine splash shield to the bumper cover. Ten 7mm bolts hold this splash shield.



The signal lamps and fog lights (if equipped) must be disconnected from the bumper cover. Gently pull the bumper cover forward about 2" on each side. This will gain access to the lights. Twist each light socket assembly and remove (Fig. 4). Remove the wiring to the driving lights. Remove the bumper cover. Now remove the ten Phillips screws holding the chrome grille to the bumper cover (Fig. 2). Depress the two clips on each end of the grille (Fig. 3). Remove these clips around the perimeter of the grille using a small flat screw driver. Remove the grille.

If you have purchased the 2 pc bumper inserts with the main grille, install them at this time.

Re-install the assembled bumper cover assembly back onto the vehicle. The three rivets from each wheel well splash shield are to be replaced with the plastic push-in retainers supplied in the hardware pack.

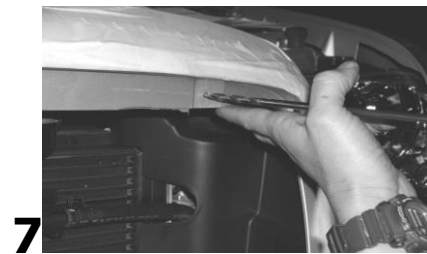
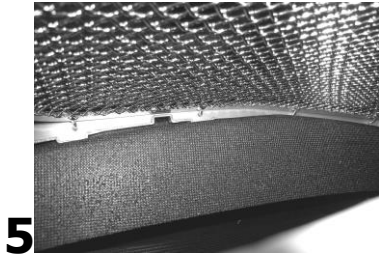
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## Step 4

Using your new grille as a marking tool (Fig.5), note the four mounting legs at the bottom of the photo. Scribe the location of the legs to the bumper opening. Then measure  $\frac{1}{2}$ " from the front-face of the bumper cover making sure to stay in line with the previous marks. Now drill a  $\frac{1}{4}$ " hole at each mark. Enlarge the four upper mounting holes to  $\frac{1}{4}$ " on the factory bumper cover (Fig.7).



## Step 5

By hand, thread the upper mounting studs into the holes tapped into the back of the grille. **A small amount of Loctite® may be applied to the threads\*\*.** Over-tightening may create dimples on the face of the grille (**DO NOT USE ANY TOOLS TO TIGHTEN THE STUDS**). Next thread the standard nuts onto the studs halfway onto the studs. These studs are to be used as a height tool and will not need tightening as well as giving you a starting point for the minor adjustments you will do in the following steps.

## Step 6

Center the grille into the opening; Insert the mounting legs (Fig.5) into the four holes along the bottom. Slide the upper studs into the upper mounting holes (Fig.10). Now you can make any adjustment to the flange nuts. Check the alignment the grille in comparison to the face of the bumper cover. It may be necessary to remove the grille and bend the face of the grille to have the proper contour. Be sure to protect the face of the grille with a towel or soft surface. Once you have properly fitted and aligned the grille, install 4 #10 washers and nylon-lock-nuts (Fig.11-12) onto the studs. Make adjustments to the depth of the grille if needed. Use a wrench to snug the Nylon-lock-nuts tight (Fig.11-12). Do not over-tighten the hardware.



*Thank you for purchasing your T-Rex billet grille.* T-Rex Truck Products Inc. 3/25/05