

**671566X**  
**6405661**  
**09-13 FORD**  
**F-150 RAPTOR**



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## 2009-2013 FORD F-150 RAPTOR

### X-Metal Series Grille

Install time: 35 Mins.

**TOOLS REQUIRED:**

Socket Wrench  
Drillbit & Drill  
Screwdriver

**PARTS LIST:**

(1) Mesh Grille (2) Mounting Plates  
(11) 6/32 Nylon Lock Nuts (1) Plastic Clip (AV14738)  
(6) 6/32 Flatwashers (1) Plastic Clip (AV13198)  
(3) Custom C-Brackets

PLEASE READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION.

FOR GRILLES WITH CAMERA, USE THE MOUNTING PLATE WITH CAMERA AND FOLLOW STEPS 1 THROUGH 18

FOR GRILLES WITHOUT CAMERA, USE THE MOUNTING PLATE W/O CAMERA AND FOLLOW STEPS 1 THROUGH 9, 11, 13 AND 18

1. Unclip Cable that connects the Lights and Camera on the Grille (On Drivers Side of Factory Grille). (Fig. 1)
2. Remove 8 10mm Bolts (6 along the Top of Factory Grille and 2 on the Vertical Bars). (Fig. 2)
3. To Remove the Grille, Pull Outward on the Grille and go Down. (Fig. 3)
4. Remove Grille.
5. Remove 6 Bolts on the Black Bar along the Bottom of the Factory Grille and remove. (Fig. 4)
6. Unscrew the 2 Nuts that are on the Lights along the top of the grille and Remove a Clip that holds the Light in Place, Remove Remaining Lights.
7. Insert the Lights onto the Mesh Grille, Insert a C-Bracket to hold the Light in Place and Thread a 6/32 Nylon Lock Nut (Repeat for other 2 Lights). (Fig. 5)
8. Reinstall the Black Bar along the bottom of the Mesh Grille. (Fig. 6)
9. Insert Flatwashers and Thread 6/32 Nylon Lock Nuts on the Threaded Studs. (Fig. 7)



W/O Camera

W/ Camera



Fig 1

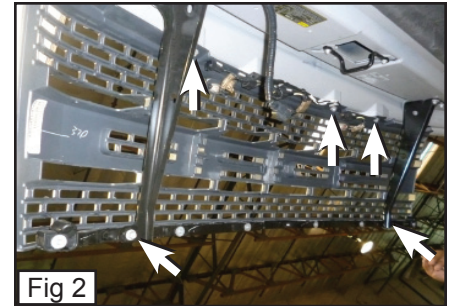


Fig 2

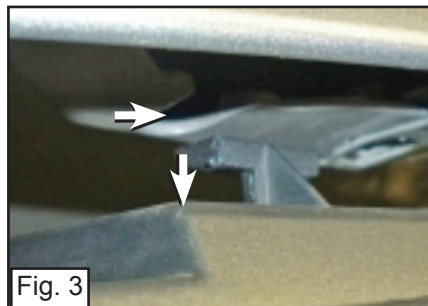


Fig 3

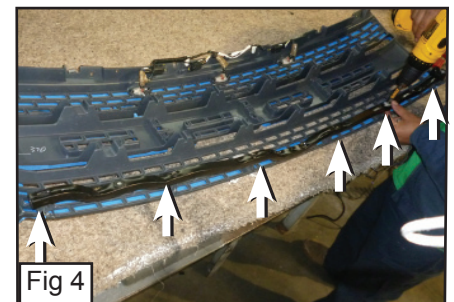


Fig 4



Fig 5

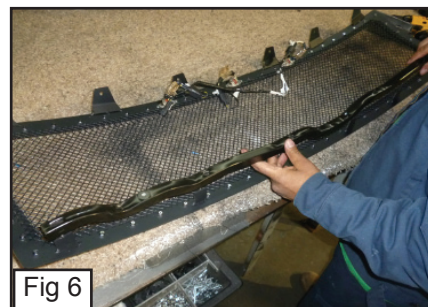


Fig 6



Fig 7

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### X-Metal Series Grille

Install time: 35 Mins.

10. Remove the 2 Screws that are on the Camera Housing and Remove the Housing and Camera. (Fig. 8)
11. Unscrew the 2 Nylon Lock Nuts that are behind the X-Metal Logo. (Fig. 9)
12. Use the Provided Mounting Plate (either Mounting Plate for Camera or Mounting Plate without Camera depending on your Vehicle) and Drill through the Holes that are on the Mounting Plate to the Camera Housing. (Fig. 10)
13. Place Mounting Plate on the Threaded Screws on the X-Metal Logo and Thread back in the Nylon Lock Nuts. (Fig. 11)
14. Place the Camera Housing on top of the Mounting Plate and Thread Nylon Lock Nuts in Place. (Fig.12)
15. Place the Camera back into the Housing. (Fig. 13)
16. Place back the Plastic Cover and Thread back in the Screws. (Fig. 14)
17. Place the Mesh Grille onto the Grille Opening and Thread back in the 8 10mm Factory Bolts.
18. Place the 2 (or 1) Small Plastic Clips through the Holes that Located in Front of the X-Metal Logo (Depending on Which Template you used).

### INSTALLATION COMPLETE

