



FORD 2008 F250/F350 WINCH READY GRILLE GUARD

PART NUMBER : 230 311 0800

TOOLS NEEDED : 13mm SOCKET OR WRENCH
15mm SOCKET OR WRENCH
16mm SOCKET OR WRENCH
18mm SOCKET OR WRENCH
19mm SOCKET OR WRENCH

**** CUTTING OF AIR DAM IS REQUIRED TO INSTALL LOWER SUPPORT BRACKET ****

1. Remove factory bolts (18mm) from beside tow hooks, factory nut plate will fall from behind bumper. Remove factory bolt (13mm) from factory clip from fender well, take off factory bumper. SEE PICTURES #1 AND #2
2. Remove tow hooks (15mm) from factory frame. Install onto new T.G. winch ready grille guard, by matching 3 - hole pattern on winch tray. (They will go into same location on grille guard, with bolt frame on tow hook passing thru hole provided on winch tray , using factory hardware.)
3. Install new T.G. frame brackets onto truck frame where tow hooks were just removed. 2 - 2in. X ½ in. bolts and 1 2in x 7/16 in. bolt. The 7/16 in. bolt will go into the innermost bolt hole. Also insert 1 ½ in. Bolt thru T.G. frame bracket hole on outer side of frame. Hand tighten bolts for now. (you will need a little play in these frame brackets when installing grill guard) SEE PICTURES #3 AND #4
4. Take lower support bracket and place on inner side of truck frame, they will match up to 2 bolt holes in the truck frame. Insert a 1 ½ in. Bolt (provided) thru lower support bracket and truck frame, thread nut hand tight for now. (allow to hang down because, if you install both bolts into truck frame, this bracket will keep you from putting factory bumper back on) SEE PICTURE # 5
5. Replace factory bumper. (T.G. frame brackets will pass thru tow hook openings on factory bumper) At this time, ONLY insert back (13mm) factory bolts. Align factory bumper with even gap below headlights and grille of truck. Tighten (13mm) factory bolts to 70 lbs. of torque.
6. Lift new T.G. winch ready grille guard up to factory bolt holes on bumper, while allowing T.G. frame brackets to pass to the inside of grille guard upright frame. Align bolt holes on grille guard upright frame with holes on frame brackets. Insert 2 - 1 ½ in. bolts (provided) from outside grille guard frame to inside, passing thru frame brackets. Thread nuts hand tight for now. Align grille guard to lines of truck, with equal spacing between truck fenders and wings of the grille guard. Now insert factory (18mm) bolts removed in step 1 , passing thru grille guard bracket, factory bumper, and thread into factory nut plate also removed in step1. Tighten all bolts (except lower support bracket) to 70 lbs. of torque.
7. Finish installing lower support brackets by, pivot bracket forward to match up with bracket on bottom of winch tray. This will show you where the air dam is needed to be notched, so that the lower support bracket can be bolted to the grille guard. With air dam notched, insert 1in. Bolt attaching bracket to winch tray. Insert 1 in. bolt, passing thru lower support bracket and truck frame. Tighten bolts to 70 lbs. of torque.
8. Install winch to manufactures' specifications.



PICTURE # 1



PICTURE # 2



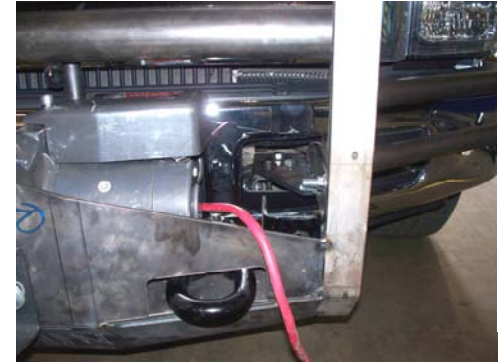
PICTURE # 3



PICTURE # 4



PICTURE # 5



PICTURE # 6

- HARDWARE PROVIDED:
- 4 - 2IN.BOLTS
 - 12 - 1 ½ BOLTS
 - 2 - 7/16 IN. BOLTS
 - 4 - 7/16 IN. WASHERS
 - 2 - 7/16 IN. NUTS
 - 16 - WASHERS
 - 16 - FLANGE NUTS

