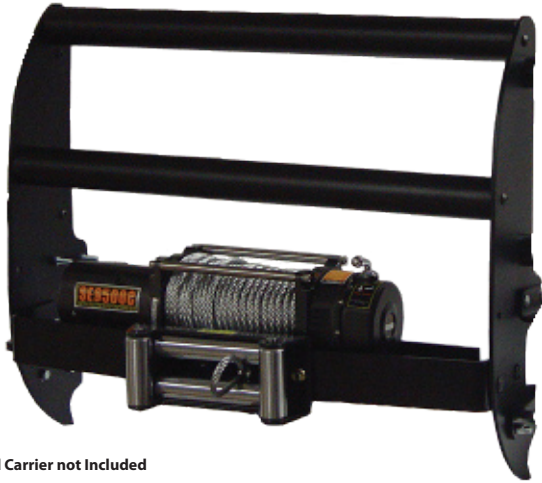


# Winch System Grille Guard

Installation Instructions

**33650 / 33650B**

Ford F-150 2015 - 2017



\*Winch and Carrier not Included



**Parts List:**

- 2 - Uprights #33650
- 1 - Driver Bottom Bracket #33650-7
- 1 - Pass. Bottom Bracket #33650-8
- 1 - Driver top bracket 33650-5
- 1 - Pass. top bracket 33650-6
- 2 - 2 1/2" x 32" Cross Tubes
- 4 - 3/8" x 1" Buttonhead Bolts
- 4 - Neoprene Washers
- 6 - 1/2" x 2" Bolts
- 14 - 1/2" Lock Washers
- 8 - 1/2" x 2" Carriage Bolts
- 8 - 1/2" Nuts
- 14 - 1/2" Flat Washers

\*May include extra hardware.

**Note: Completely read instructions before beginning installation!**

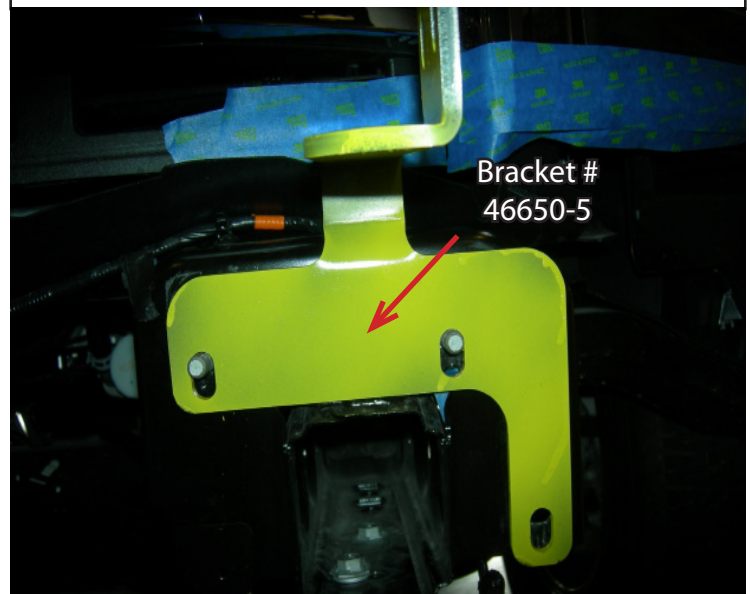
1. Remove the contents from the box and check for missing or damaged parts. If parts are missing or damaged, contact the original place of purchase. Two people are strongly recommended for this install.
2. If vehicle comes equipped with factory tow hooks, they will have to be removed and will not be reused. The brackets are equipped with holes to be used as the tow hooks. You will remove the factory nut plates and keep them for step 4.
3. Remove plastic finish panel in the center of the factory bumper by squeezing clips from behind bumper, then pushing outward. Unplug fog lamps, if equipped, then remove rear bumper nuts. In the front, remove the two bumper nuts on each side and remove bumper. (see diagram 1)

**View of Bumper on Vehicle w/out Plastic Filler**



**Diagram 1**

**Driver Side upper bracket # 33650-5**



**Diagram 2**

# Winch System Grille Guard

Installation Instructions

## 33650 / 33650B

Ford F-150 2015 - 2017

4. Reuse the factory nut plate in the frame and line up the 2 holes on the bottom of the frame with the holes on the nut plate. It is recommended to use tape to hold the nut plate in place because access will be limited later. Do not install lower brackets at this time. Reinstall factory upper bolt plates and hang the upper brackets #33650-5 (driver's) #33650-6 (passenger) on the bolt plate against the frame. (**see diagram 2**) Reinstall the front bumper, sandwiching the upper bracket between the frame and the bumper. Reinstall the factory bumper nuts but do not tighten at this time.
5. Install the lower brackets #33650-7 and #33650-8 to the frame where the tow hooks were removed. Thread the factory tow hook bolts through the lower brackets into the previously installed nut plate. (Hint: install the rear bolts first) (**see diagram 3 & 4**)
6. Place (1) 1/2" flat washer on to each of the (8) 1/2" x 1 1/2" bolts. Using the (8) bolts with washers attach the grille guard to the brackets with (8) 1/2" flat washers, (8) 1/2" lock washers and (8) 1/2"-13 hex nuts. Hand tighten all bolts at this time.
7. If a winch carrier is being used, install it at this time. It will install using the (2) upper Carriage bolts attaching the brackets to the uprights, shown in **Diagram 4**.
8. Install the cross tubes with (4) 3/8" x 1" buttonhead bolts and (4) neoprene washers. Place the (4) neoprene washers in between the cross tubes to protect from damage and hand tighten.
9. First, tighten the brackets to the uprights. Then tighten the cross tubes secondly, and finally tighten the frame bolts making sure the Winch System Grille Guard remains centered on truck.

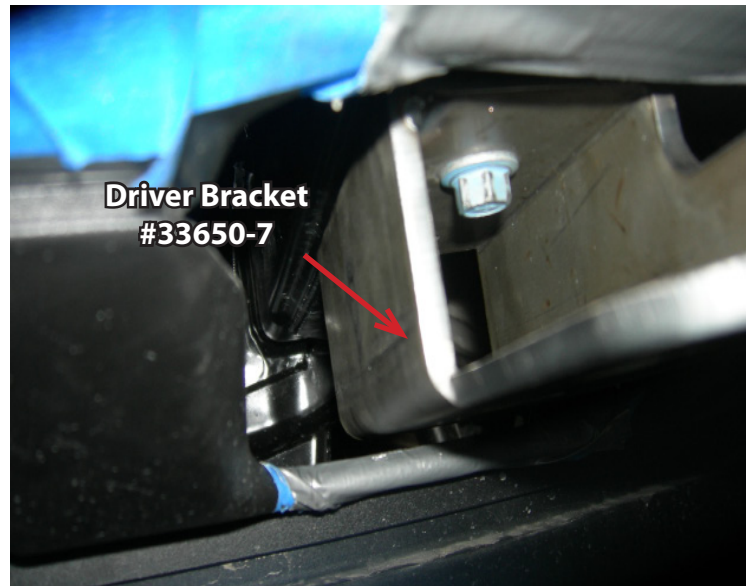
\*Re-check hardware periodically for proper tightness and re-tighten as necessary.\*

**Underside View of Driver Bracket # 336650-7**



**Diagram 3**

**View of Driver Side Bracket # 33650-7**



**Diagram 4**