

INSTALLATION INSTRUCTIONS

2011-14 FORD SUPER DUTY 250 - 550

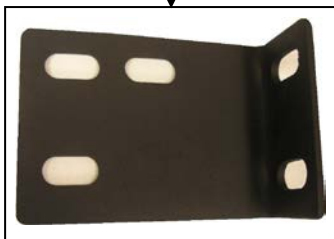
NOTE: (Vehicle Retains Tow Hook)

PART # P3064

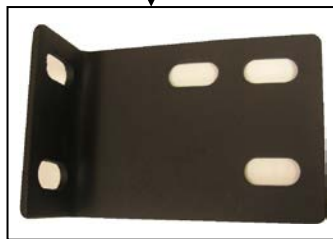
PARTS LIST:

Qty	Description	Qty	Description
1	Grill Guard	2	10mm x mm Hex Bolts
1	Driver/Left Lower Mounting Bracket	4	10mm Washers
1	Passenger/Right Lower Mounting Bracket	2	10mm Lock Washers
1	Driver/Left Upper Brace Bracket	2	10mm Nuts
1	Passenger/Right Upper Brace Bracket	1	Support flange
6	12mm x 40mm Hex Bolts	2	8mm Nut clips
12	12mm Flat Washers	2	8mm hex bolts
6	12mm Lock Washers	2	8mm Flat washers
6	12mm Nuts	2	8mm Lock washers

Driver/Left Side Mounting Bracket



Passenger/Right Side Mounting Bracket



Driver/left side Upper brace bracket



Passenger/right side upper brace bracket



Support Flange



(2) 8mm Nut Clips

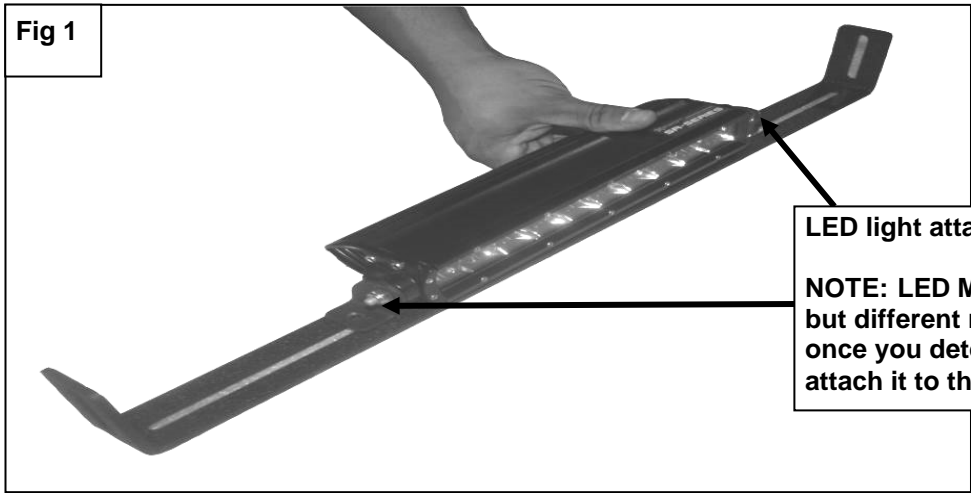
PROCEDURE:

1. REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.
2. Start by Selecting your LED light (**Sold Separately**) mounting hardware & brackets, you will need to first attached the hardware to the support flange, (Example of LED light attached Fig 1) **NOTE: if you have your own LED light, LED Manufactures will have similar but different mounting styles or brackets, once you determine you mounting options attach it to the support flange as seen in (Fig1)**

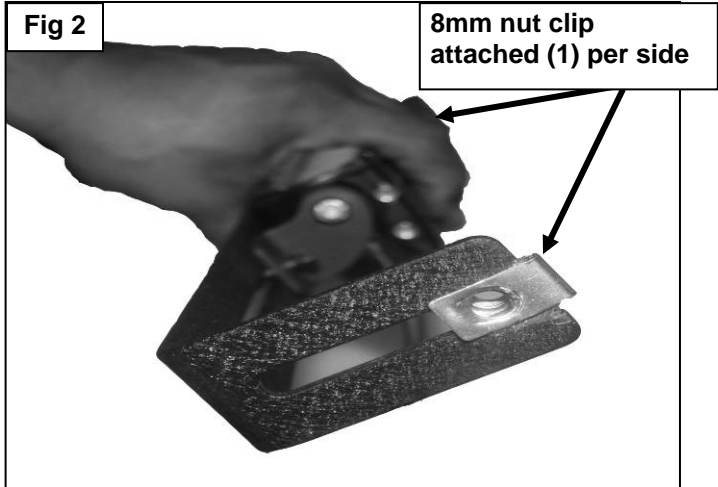
3. With the LED light attached to the support flange select the (2) 8mm nut clips place each nut clip into the slotted holes on either side of the support flange, as seen in **(Fig 2)** with the support flange prepare you will need to lay the grill guard face down to install the support flange **NOTE:** (it is recommended to lay out some of the cardboard your grill guard came in or a blanket to protect the grill guard finish). place the grill guard face down with this done place the support flange with the LED attached into the Center flange attach each side of the support flange to the inner brackets inside the center flange of the grill guard with (2) 8mm hex bolts, (2) 8mm flat washers, & (2) 8mm lock washers as seen in **(Fig 3)** Snug but do not tighten at this time.
4. Next starting with the Driver/Left side Begin your install by removing the bumper mount bolts **WARNING, Do not remove Passenger & Driver side bumper bolts at the same time as bumper will drop down.** Remove and install only one side at a time. **(Fig 4)** shows factory bolt locations. Select the Driver side mount bracket from the list of parts above and secure it to the bumper with the factory bolts & nut plates **(Fig 4A)** shows mount bracket attached. Snug, but do not tighten hardware at this time. Repeat this step for the Passenger/Right side installation
5. Proceed to install the upper brace brackets by first removing the black plastic trim cover on the top edge of the trucks bumper (there are plastic tabs securing this down, by going through the front opening of the bumper, pinch the tabs together and lift the plastic cover. Remove each tab one at a time). Once plastic trim is removed, located on the inside top edge of the bumper, there are 13mm bolts that need to be removed **(Fig 5 shows plastic trim removed and location of factory bolt)**. From the list above select the Driver/Left side upper brace bracket and secure it to vehicle with the 13mm factory bolt **(Fig 5A shows bracket attached)**. Snug but do not tighten hardware at this time. Repeat this step for the Passenger/Right side installation. In order to reinstall the plastic trim, a small section off the back edge must be trimmed. Once brackets are in place overlay the plastic trim and mark the area where it comes in contact with the upper brackets (inner edge under grill). Using a utility knife, trim a small section off the back. Trim before reattaching so it does not interfere with the upper brackets. **(Fig 6)** shows Passenger side area to be trimmed, repeat for driver side.
6. With assistance begin to install Grill Guard. To mount brackets, move the Driver/Left side and Passenger/Right side Mounting Brackets towards each other. The hardware should be kept slightly loose to adjust. Position the bottom mounting holes of the Driver side Grill Guard to the out side of the Mounting Brackets. Line up the three holes of the mount brackets with the lower holes of the Grille Guard. Bolt them together with the included (3) 12mm Hex bolts, (6) 12mm Flat Washers (3) 12mm lock washers and (3) 12mm Hex Nut per side **(Fig 7 & 7A)**. Snug but do not tighten hardware at this time. Repeat this step for the Passenger/Right side.
7. From step 3, bolt the brace brackets to the grill guard. Line up the hole in the top brace bracket with the one slotted in the upright plate of the Grill Guard. Secure with (1) 10mm hex bolt, (2) 10mm flat washer, (1) 10mm lock washer and (1) 10mm nut **(FIG 5A Show Driver/Side brace bracket attached)**. Snug but do not tighten at this time. Repeat this step for the passenger/right side installation.
8. Level and align Product, Tighten all hardware at this time. Do periodic inspections to making sure all hardware is secure and tight.

9. For the Led lights wiring please refer to the manufactures installation.

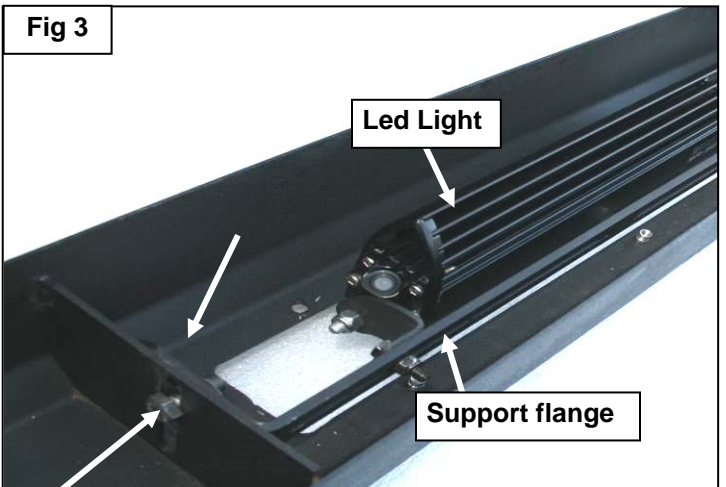
To protect your investment, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.



LED light attached to support flange.
NOTE: LED Manufactures will have similar but different mounting styles or brackets, once you determine you mounting options attach it to the support flange as seen.



8mm nut clip attached (1) per side



**Secure support flange into center flange with
(1) 8mm Hex head bolt
(1) 8mm Flat Washers
(1) 8mm Lock washer
Per side.**

DRIVER SIDE INSTALLATION PICTURED

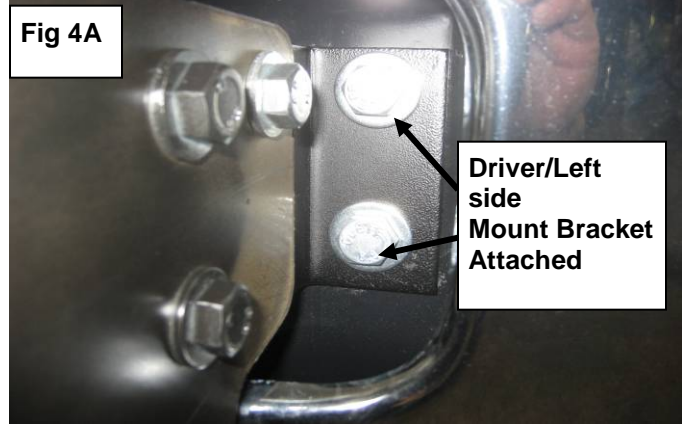
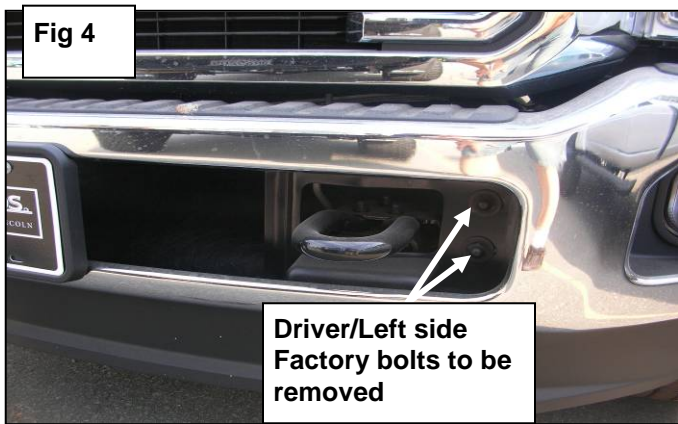


Fig 5

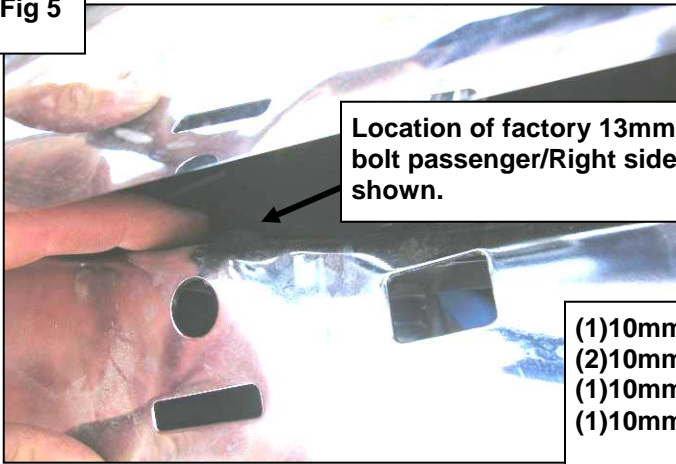
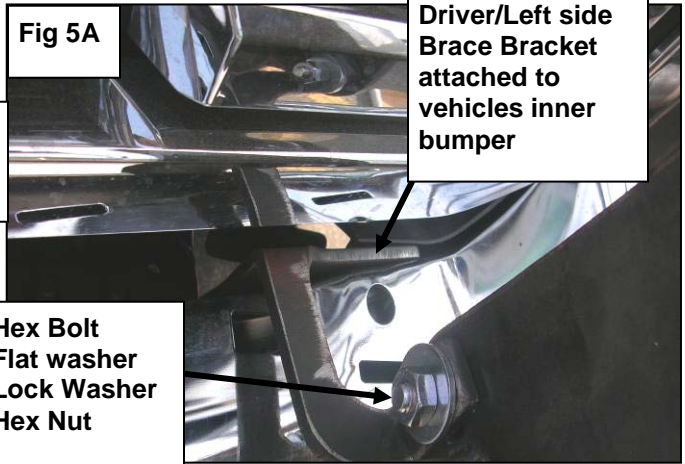


Fig 5A



- (1)10mm Hex Bolt
- (2)10mm Flat washer
- (1)10mm Lock Washer
- (1)10mm Hex Nut

Fig 6

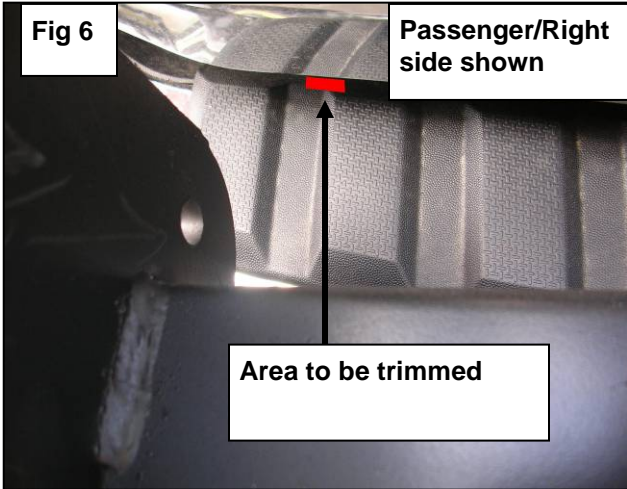


Fig 7

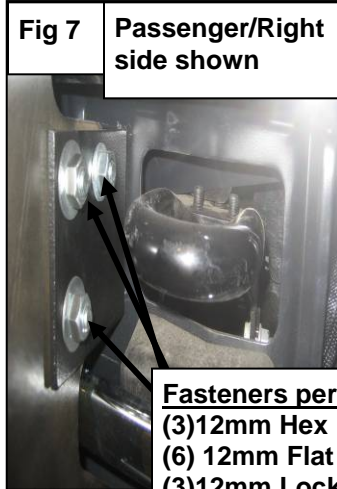
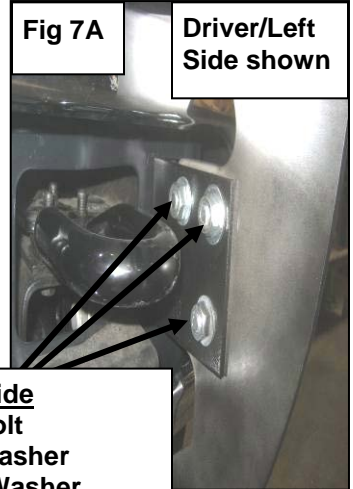


Fig 7A



- Fasteners per side
- (3)12mm Hex Bolt
 - (6) 12mm Flat washer
 - (3)12mm Lock Washer
 - (3)12mm Hex Nut

Installation Complete



Parts List

1	LED light bar, 10"
1	Mounting bracket, left
1	Mounting bracket, right
1	Wiring harness
2	Security screw, M6 - 1.0 x 25mm
2	Rubber spacer, M6
2	Flat washer, M6
2	Hex head cap screw, M8 - 1.25 x 18mm
2	Flat washer, M8
2	Nylock nut, M8 -1.25mm
1	Security screw L-wrench
1	15-amp fuse, pre-installed

Step 1

Mount the LED light in the desired location with a rubber spacer between the mounting surface and each bracket.

Note: If this light bar is being used with a 24V system, the relay will need to be replaced with a 24V unit.

Disconnect the supplied switch from the wiring harness and install in the desired location.

Step 2

Once the LED light bar and switch are installed, route the wiring harness to the light. Insert the male plug on the wiring harness into the female socket on the LED light. Reconnect the blue, red and black spade connectors to the switch (see the wiring diagram).

Step 3

Connect the red fused wire with the ring terminal to the positive (+) battery post. Connect the black wire ring terminal to the negative (-) battery post or other suitable vehicle grounding point.

Step 4

Mount the provided relay to the vehicle and secure all wires with zip ties away from moving parts to avoid damage. Test the light to ensure proper function.

Level of Difficulty

Easy

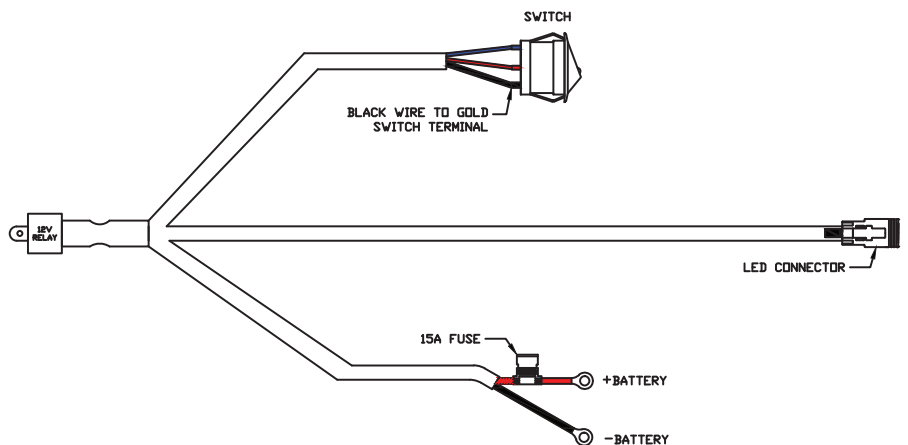


Scan for helpful install tips

Product Image



Wiring Diagram



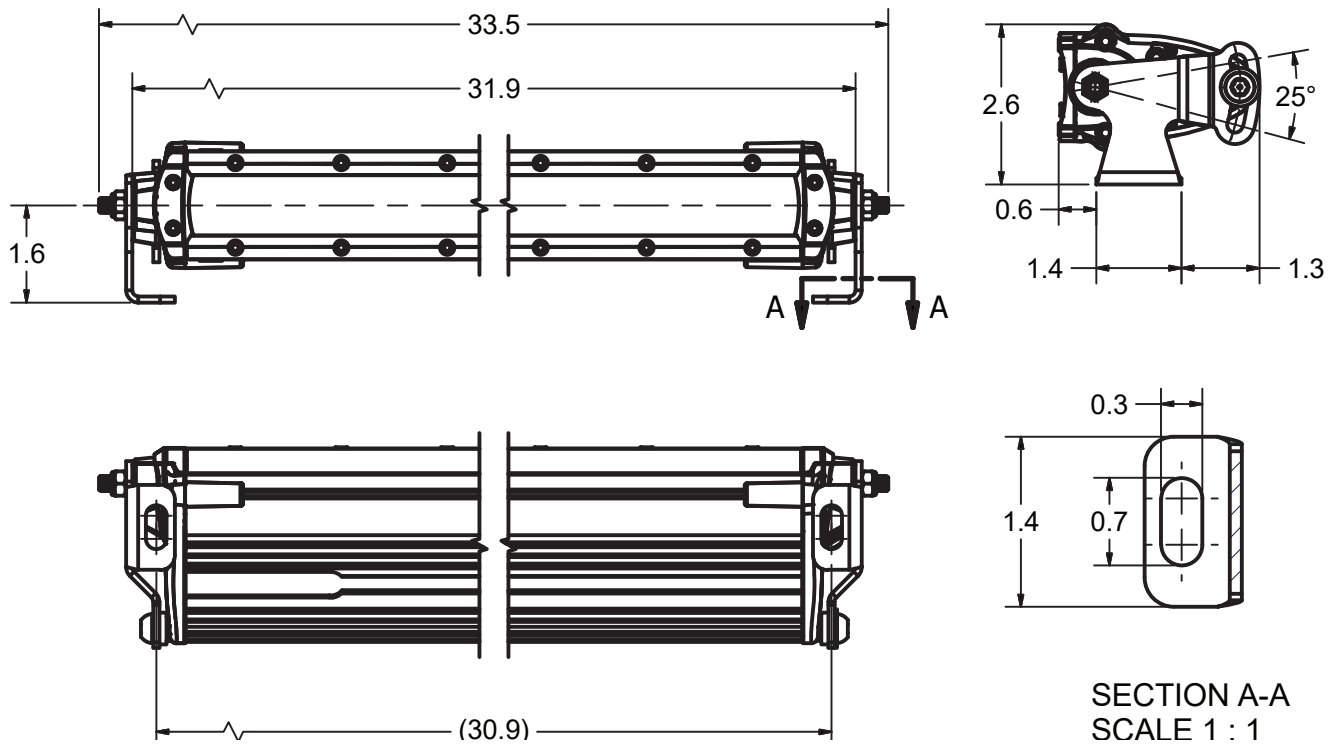
Notes and Maintenance

Before you begin installation, read all instructions thoroughly.

Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

WARNING: Improper electrical installation may damage electronic components resulting in personal injury, property or equipment damage. Damaged caused by incorrect installation is not covered by warranty. Installation should only be performed by qualified personnel with a solid understanding of electrical systems.

Basic Dimensions



Mounting Illustration

