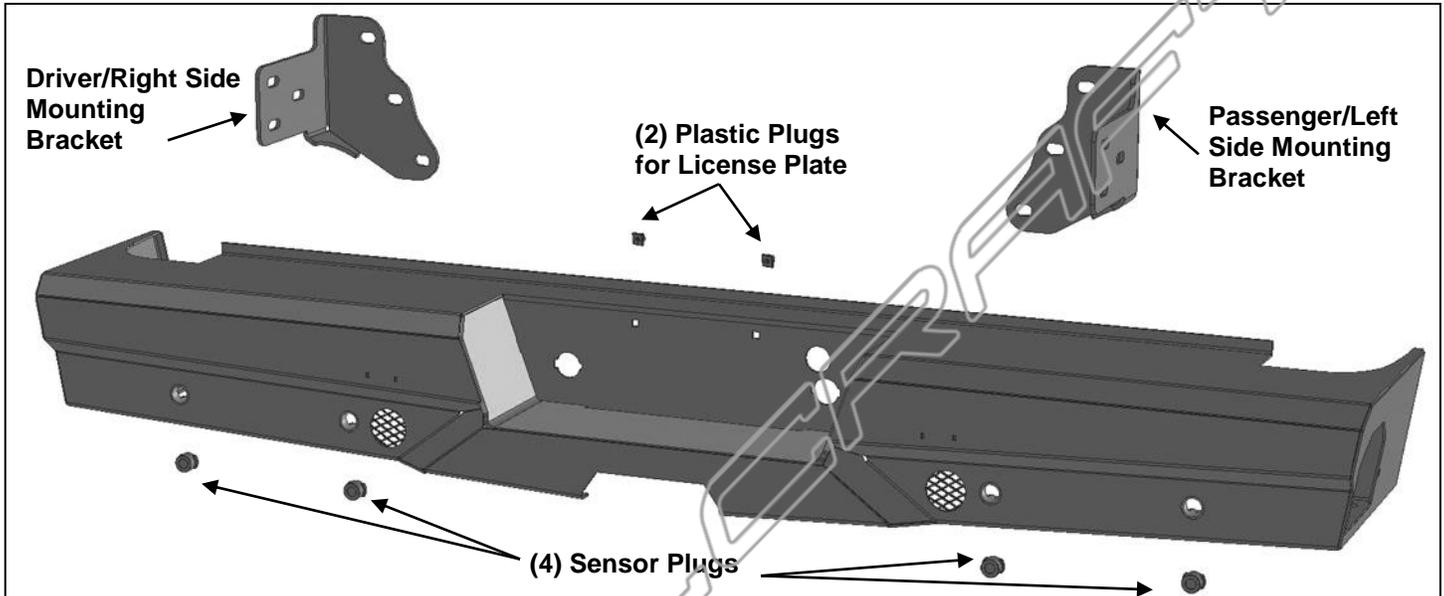


**ELEVATION REAR BUMPER
2006-14 FORD F150**

PARTS LIST:

1	Elevation Rear Bumper	6	12mm Nylon Lock Nuts
1	Driver/Left Side Mounting Bracket	2	License Plate Plugs
1	Passenger/Right Side Mounting Bracket	4	Sensor Plugs
6	12mm x 50mm Hex Bolts	8	4mm x 10mm Socket Head Screws
12	12mm x 37mm x 3mm Flat Washers	1	Wrench



PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE.

BUMPER IS DESIGNED TO INSTALL ON MODELS WITH FACTORY TOW HITCH ONLY.

1. Release the clips attaching the license plate lights. Unplug and remove the lights, **(Figure 1)**.
2. Remove the license plate from the bumper. Unplug the trailer plug and sensors, (if equipped). Release the wiring harness from the clips attached to the back of the bumper, **(Figure 2)**. Move all wiring harnesses away from bumper.
3. Place blocks or jack stands under the bumper to support it during mounting bolt removal. Once the bumper has been safely supported, remove the factory hex bolts attaching the outer bumper to the inner reinforcement or tow hitch, **(Figure 2)**. With assistance, move outer bumper to a clean surface. Next, remove the (6) hex nuts attaching the inner reinforcement or tow hitch to the end of the frame, **(Figure 3)**.
4. Remove the long bolt plates from the inner reinforcement or tow hitch.

On Models without Receiver Hitch:

- a. Select driver/left Mounting Bracket. See illustration above to identify correct Bracket.
- b. Insert the bolt plate in through the Mounting Bracket and out the frame, **(Figure 4)**.
- c. Reuse (3) factory hex nuts to secure Bracket to frame.
- d. Repeat Previous Step to attach passenger/right side Mounting Bracket to frame.
- e. Do not tight hardware and proceed to **Step 5**.

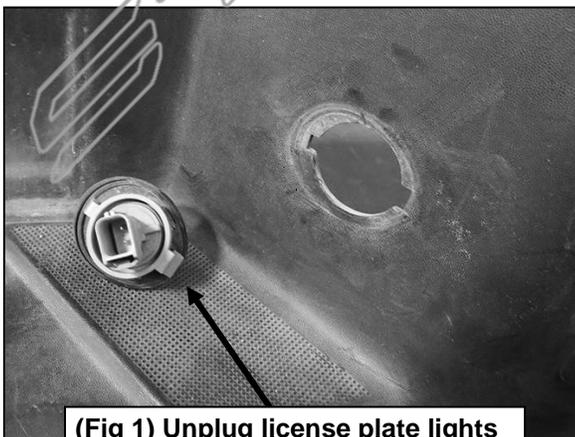
On Models with Receiver Hitch:

- a. Align the Mounting Brackets up against the receiver hitch. Insert the bolt plates in through the receiver hitch and out the Brackets, **(Figure 5)**.

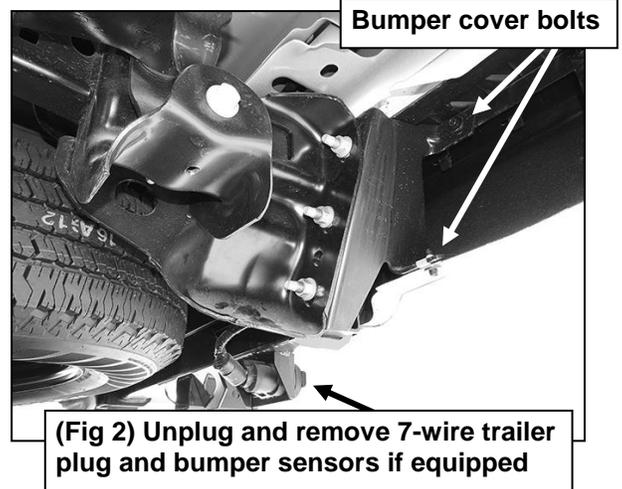
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- b. **NOTE:** On year models from 2006-2008 the receiver hitch requires trimming on factory bumper support to clear hitch, **(Figure 6)**. Trim along the approximate area to allow Bracket clearance, **(Figure 7)**.
- c. Re-use the (6) factory hex nuts to attach the receiver hitch and Brackets to the ends of the frame, **(Figure 8)**.
- d. Do not tighten hardware and proceed to **Step 5**.
5. With assistance, position the Rear Bumper up to the Mounting Brackets. Attach the Bumper to the Brackets using (6) 12mm Hex Bolts, (12) 12mm Flat Washers and (6) 12mm Nylon Lock Nuts, **(Figures 9 & 10)**. Snug but do not tighten hardware at this time.
6. Level and adjust the bumper and Brackets and fully tighten all hardware
7. Slowly lower tailgate and check for clearance. Adjust Bumper height as necessary.
8. Install the license plate lights and trailer plug.
9. Use the included (2) push-in plugs to attach the license plate to the Bumper, **(Figure 11)**.
10. **Models with bumper mounted sensors:**
 - a. Remove the rubber plugs from the sockets in the bumper assembly. Push the sensor in from the back of the bumper until it is flush with the face of the bumper. Secure and center each sensor to the socket with (2) 4mm x 10mm Button Head Screws, **(Figures 12 & 13)**. **IMPORTANT:** Sensors fit snug in sockets. The 4mm Screws are used to apply slight pressure to lock the sensors in place. Center Sensors in sockets and flush Sensors to face of bumper before tightening. Tighten both screws evenly until they touch the sensor body only. Do not overtighten screws or damage to sensors will result.
 - b. Reattach the factory wiring harness to sensors, **(Figure 13)**.
11. Attach the wiring harness to the lights and trailer plug.
12. **LED light installation at ends of bumper** as supplied with bumper or sold separately.
 - a. Insert light into opening and up to mounting slot. Check for clearance between front and back of light, **(Figures 14 & 15)**.
 - b. Follow the light manufacturer's instructions to attach (1) light to the mounting tab.
 - c. Repeat the above steps for passenger side light installation.
 - d. Follow light manufacturer's instructions to properly wire the light.
13. Use the Wire Ties to secure the wiring harness to the bumper and frame as necessary.
14. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

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. Mild soap may be used to clean the Bumper assembly.



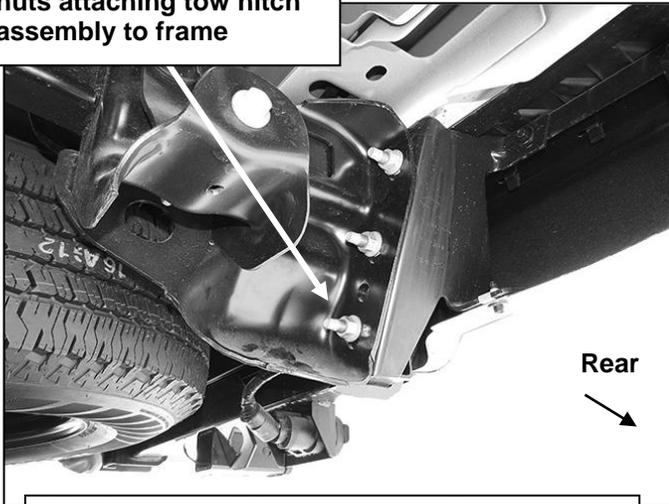
(Fig 1) Unplug license plate lights



(Fig 2) Unplug and remove 7-wire trailer plug and bumper sensors if equipped

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Once cover is removed, remove the (3) factory hex nuts attaching tow hitch assembly to frame

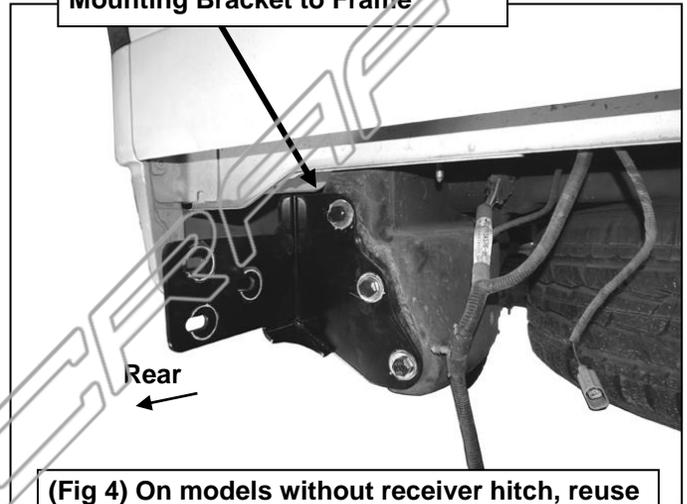


(Fig 3) Remove (3) hex nuts per side to remove bumper reinforcement or receiver hitch

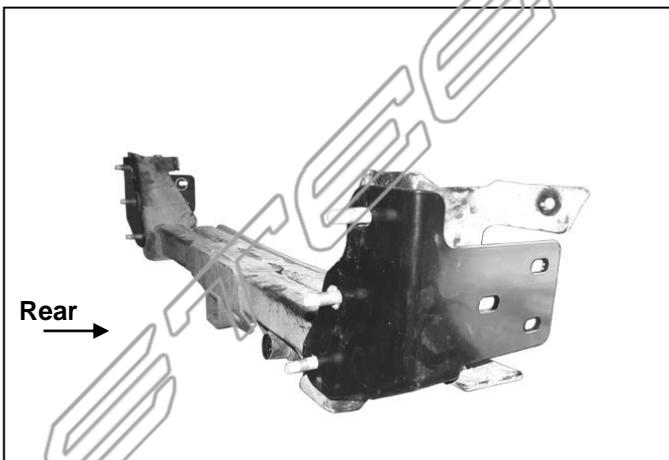
WARNING! Do not crawl under bumper unless the bumper is properly supported on blocks or stands or the bumper may fall.

WARNING! Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or the bumper may fall.

Reuse factory hardware to attach Mounting Bracket to Frame



(Fig 4) On models without receiver hitch, reuse triple bolt plate to attach Mounting Bracket to ends of frame. (Driver side pictured)

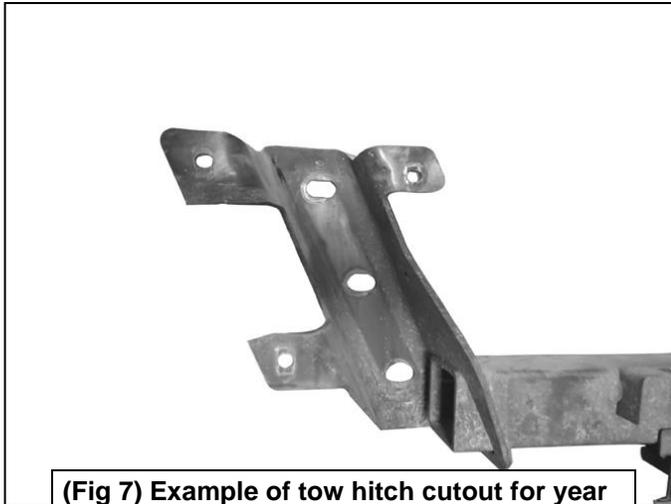


(Fig 5) On models with factory receiver hitch, slide Mounting Bracket up against the hitch. Insert triple bolt plates through hitch and Brackets.

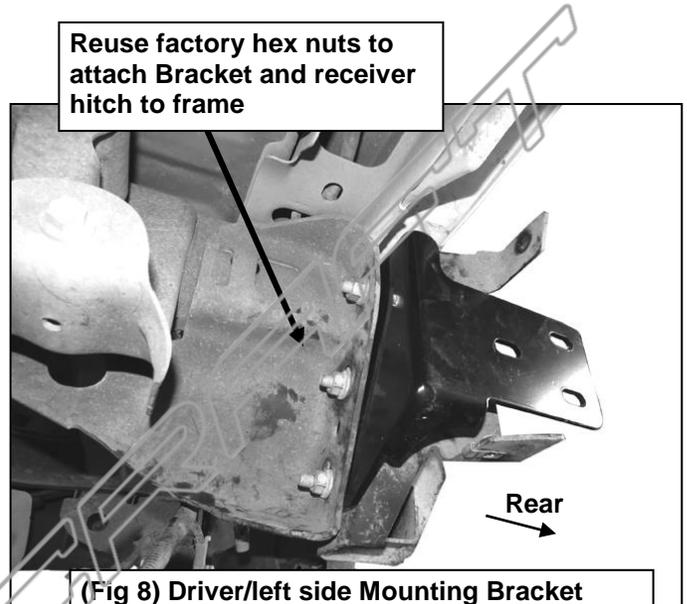


(Fig 6) On year models 06-08 with factory receiver hitch, trimming is required on factory bumper support in order to re-use tow hitch

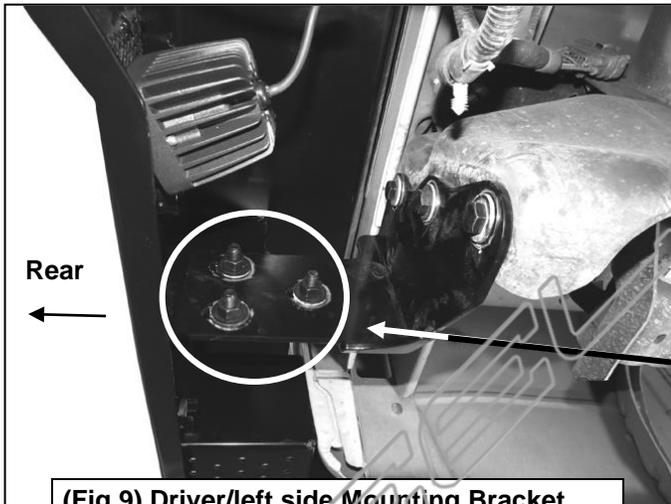
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(Fig 7) Example of tow hitch cutout for year models 06-08 re-using factory receiver hitch

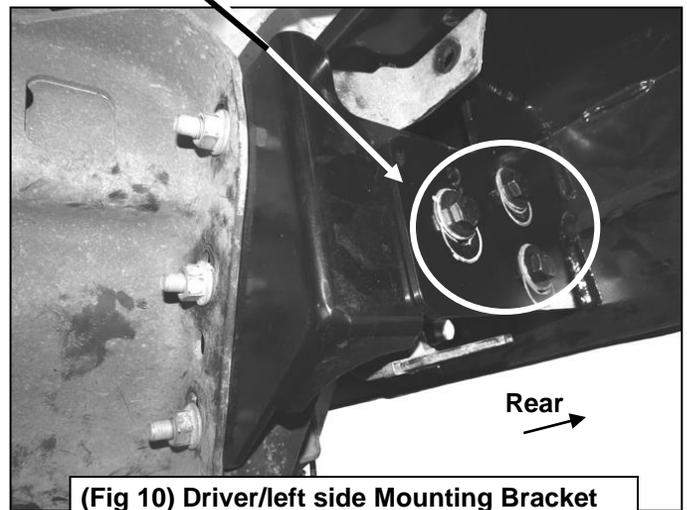


(Fig 8) Driver/left side Mounting Bracket with receiver hitch attached to frame

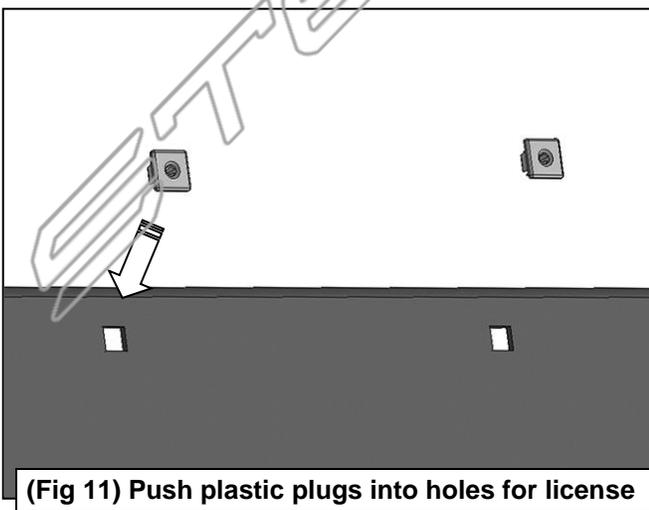


(Fig 9) Driver/left side Mounting Bracket without receiver hitch attached to bumper

- (3) 12mm x 50mm Hex Bolts**
- (6) 12mm x 37mm Flat Washers**
- (3) 12mm Nylon Lock Nuts**

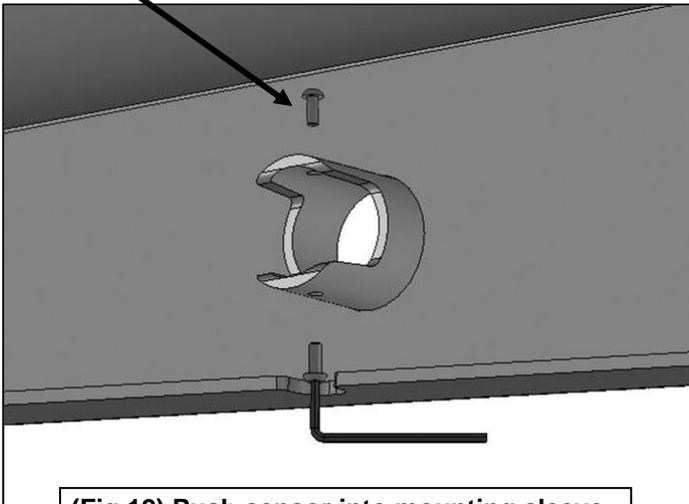


(Fig 10) Driver/left side Mounting Bracket with receiver hitch attached to bumper



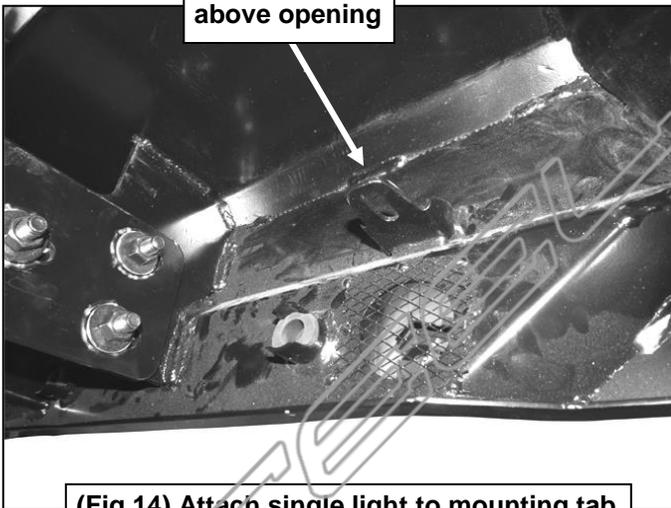
(Fig 11) Push plastic plugs into holes for license

(2) 4mm Screws



(Fig 12) Push sensor into mounting sleeve. Use 4mm Screws to lock sensor in place.

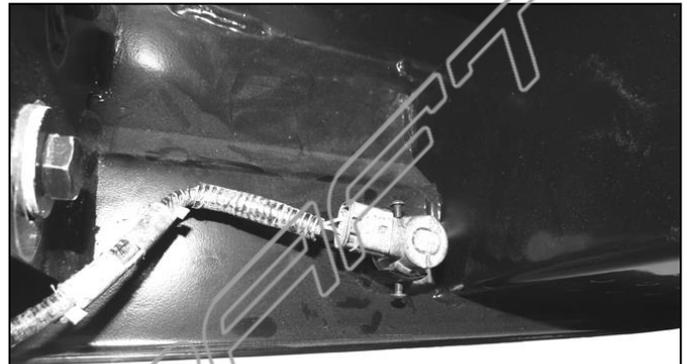
Mounting Tab
above opening



(Fig 14) Attach single light to mounting tab

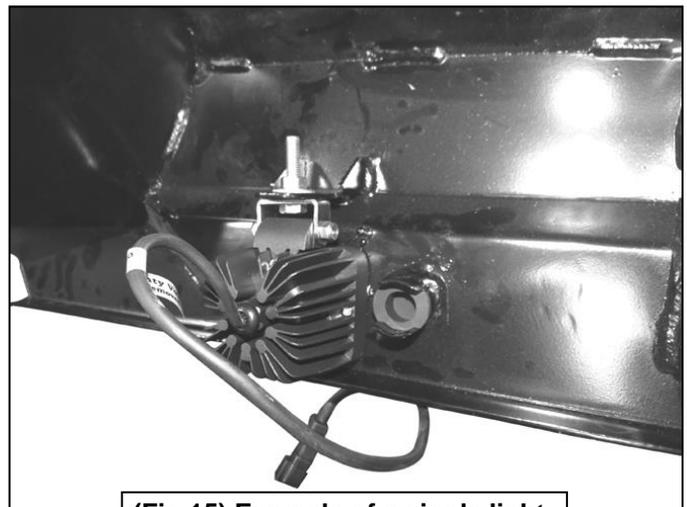


Complete Installation



(Fig 13) Sensor secured with (2) 4mm screws and re-connected to wiring harness

IMPORTANT: Sensors fit snug in sockets. The 4mm Screws are only used to apply slight pressure to lock the sensors in place. Center Sensors in sockets and flush Sensors to face of bumper before tightening. Tighten both screws evenly until they touch the sensor body only. Do not overtighten screws or damage to sensors will result.



(Fig 15) Example of a single light attached to the mounting tab.