

INSTALLATION MANUAL

P2066

Level of Difficulty

Easy

Parts List

1	Grille guard
1	Driver / left frame mounting bracket
1	Passenger / right frame mounting bracket
2	Top mounting brackets, 2015-on only
1	Wrench, S=4
1	Wrench, S=5
2	Button head screw, 8mm x 20mm
2	Button head screw, 8mm x 25mm
4	Lock nut, 8mm
2	Lock washer, 8mm
10	Flat washer, 8mm
2	Hex bolt, 8mm
4	Lock washer, 10mm
8	Flat washer, 10mm
4	Hex nut, 10mm
4	Hex bolt, 10mm
2	Clip nut, 8mm

Tools Required

Socket set Wrench

Torque Specifications

Metric	Torque Specifications	
	Bolt Size	Torque
	M6 bolt	3 ft.-lbs.
	M8 bolt	7 ft.-lbs.
	M10 bolt	16 ft.-lbs.
	M12 bolt	28 ft.-lbs.
SAE	1/4" bolt	3 ft.-lbs.
	5/16" bolt	7 ft.-lbs.
	3/8" bolt	16 ft.-lbs.
	7/16" bolt	20 ft.-lbs.
	1/2" bolt	28 ft.-lbs.

Use above torque setting unless otherwise noted

Product Photo



Brackets and Hardware



Notes and Maintenance

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

To protect the product, wax 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.

For polished, gloss and other smooth finishes, polish may be used to clear small scratches and scuffs on the finish.

Mild automotive detergent may be used to clean the product. Do not use dish detergent, abrasive cleaners, abrasive pads, wire brushes or other similar products that may damage the finish.

Refer to the last page of this manual for warranty and product registration information.

Refer to the table to the left when securing hardware during the installation process to help prevent damage to the product or vehicle.

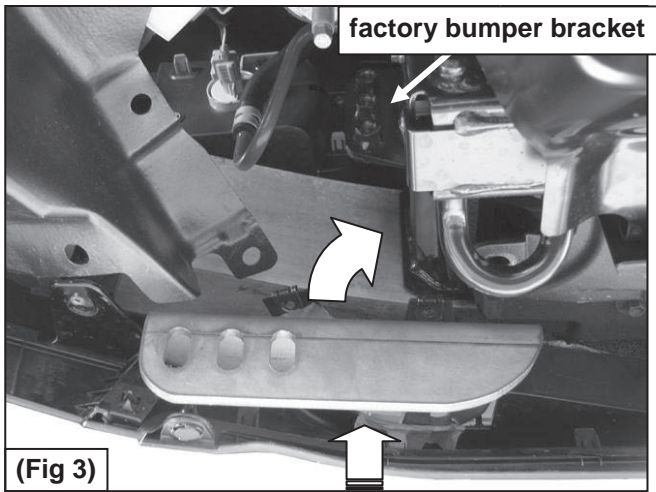
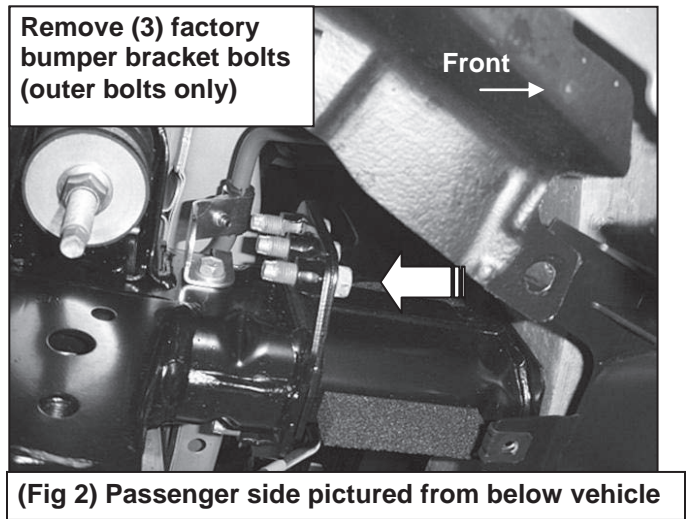
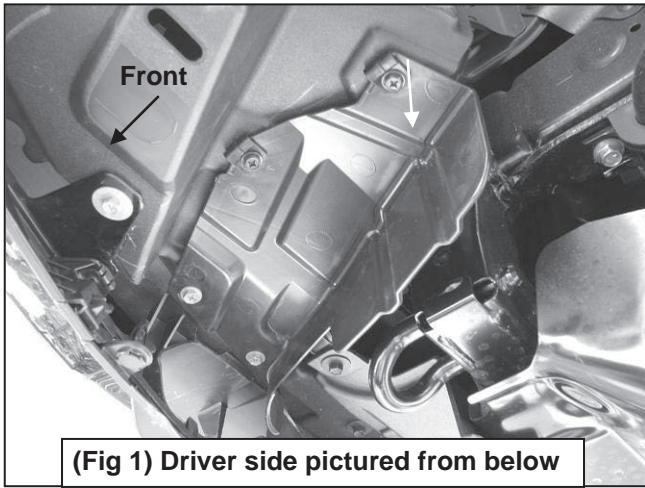
PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED. CUTTING MAY BE REQUIRED. INSTALLATION MAY INTERFERE WITH FRONT SENSORS. NOT RECOMMENDED FOR VEHICLES WITH OPTIONAL "ACTIVE" LASER GUIDED CRUISE CONTROL SYSTEMS.

LED Light Install (If not installing LED lights, proceed to Step 3):

1. 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 (Fig 4)**
2. 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 5**) 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 6**) Snug but do not tighten at this time.
3. Starting on the driver side, remove the (3) factory bumper mount bolts located on the outside of the driver side bumper mount, (**Figure 2**)
4. Select the driver side Frame Bracket. Line up the (3) slots in the Mounting Bracket with the (3) bolt locations for the factory bumper bracket. Attach the Frame Bracket to the bumper bracket with the (3) factory bolts removed in **Step 1, (Figure 7)** Snug but do not tighten hardware at this time.
5. Repeat **Steps 1 & 2** for passenger side Frame Mounting Bracket installation.
6. Next, open the hood and remove the plastic cover between the top of the radiator and the grille, (**Figure 8**). **NOTE:** Pay close attention to the type and location of all factory hardware for easier reinstallation.
7. Select the correct Top Bracket installation for your model/year.
2015-on models:
 - a. Remove the inner plastic clip closest to the center grille emblem attaching the bottom of the grille to the top of the cross member, (**Figure 10**). Select (1) 2015-on Top Bracket, (**Figure 11**).
 - b. From behind the grille, insert the Bracket through the opening in the grille, (**Figure 12**).
 - c. Attach the Bracket to the cross member with (1) 8mm x 30mm Hex Bolt, (2) 8mm x 24mm x 2mm Flat Washers and (1) 8mm Nylon Lock Nut, (**Figure 12**). Leave hardware loose.
 - d. Repeat the previous Steps to install the 2015-on passenger side Top Bracket.
8. Carefully unwrap the Grille Guard. With assistance, line up the bottom mounting tabs on the Grille Guard with the (2) previously installed Frame Brackets. Bolt the Grille Guard to the outside of the Brackets with the included (4) 12mm x 30mm Hex Bolts, (8) 12mm Flat Washers, (4) 12mm Lock Washers and (4) 12mm Hex Nuts, (**Figure 13**). Do not tighten hardware at this time.
9. Push the Grille Guard back toward the vehicle. Line up the Top Brackets with the appropriate mounting points on the Grille Guard.
2015-on models: Attach the outer end of the driver side Top Bracket to the bottom of the top tube on the Grille Guard with (1) 6mm x 20mm Button Head Bolt, (1) 6mm Lock Washer and (1) 6mm Flat Washer, (**Figure 14**). Leave hardware loose at this time. Repeat this **Step** to attach the passenger side Top Bracket to the Grille Guard.
10. Level and adjust the Grille Guard properly and tighten all hardware. **IMPORTANT:** Do not over-tighten the (2) 8mm Hex Bolts attaching the Top Mounting Brackets to the tab on the plastic grille and cross member or you may damage the grille.
12. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

Driver Side Installation Pictured



LED Light Install

Fig 4

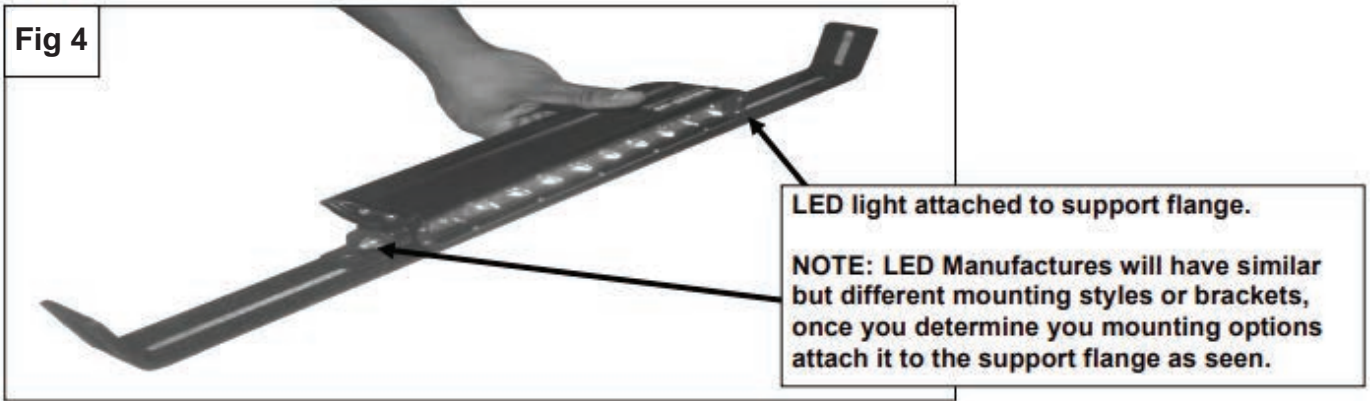


Fig 5

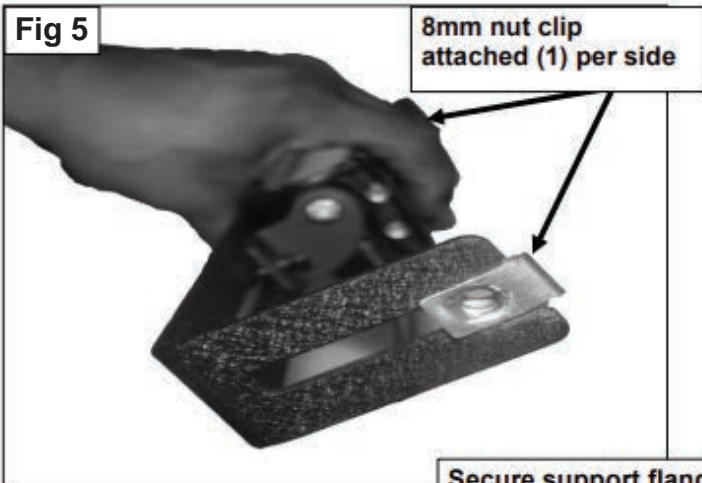
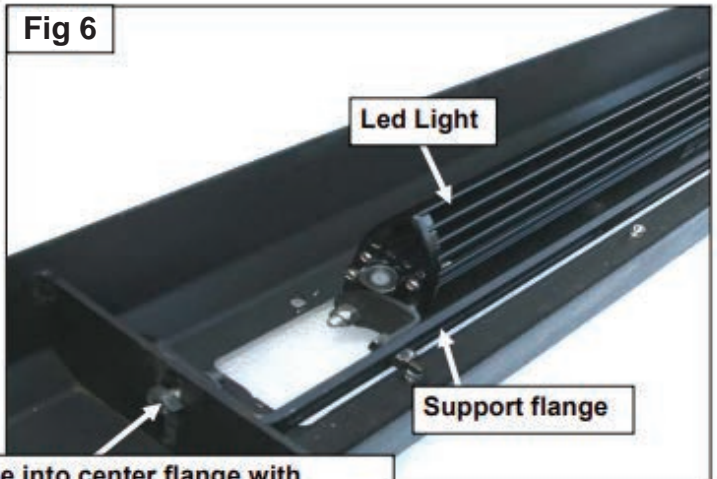
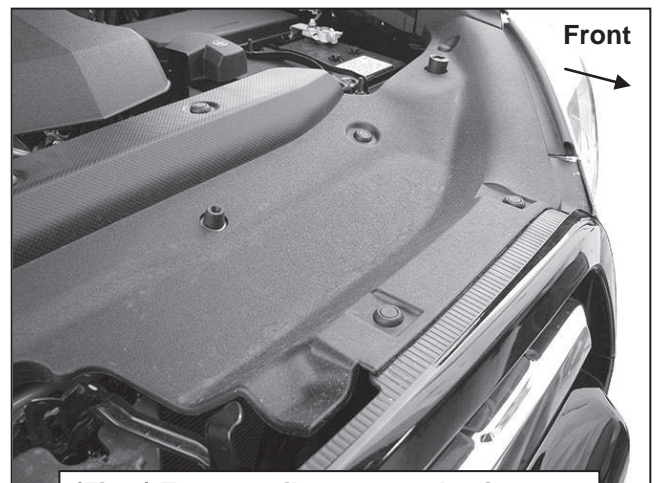


Fig 6

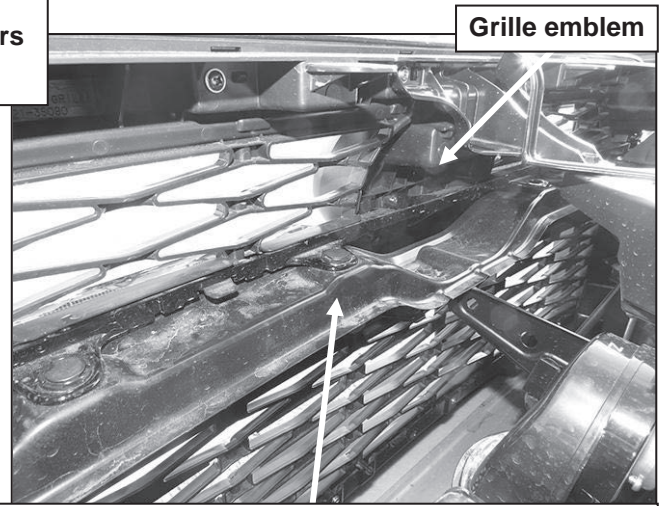
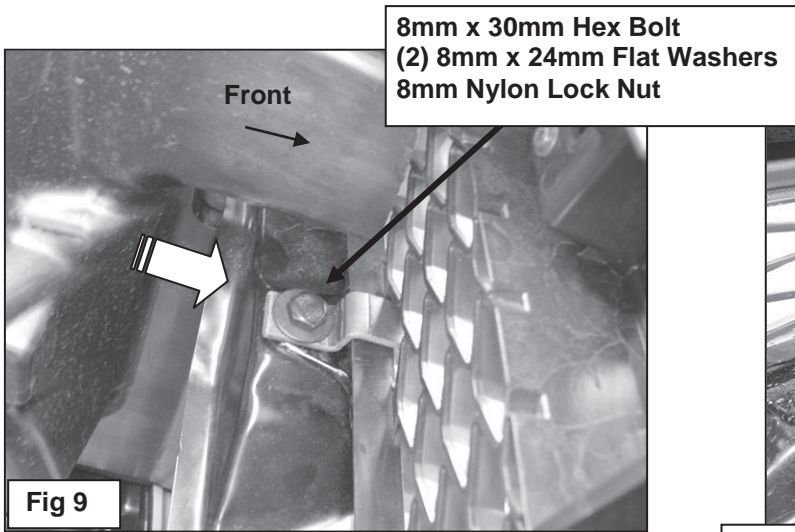


Secure support flange into center flange with
(1) 8mm Hex head bolt
(1) 8mm Flat Washers
(1) 8mm Lock washer
Per side.

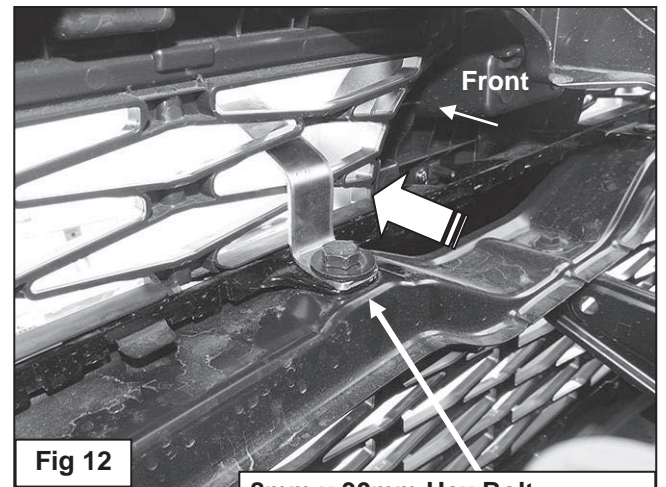
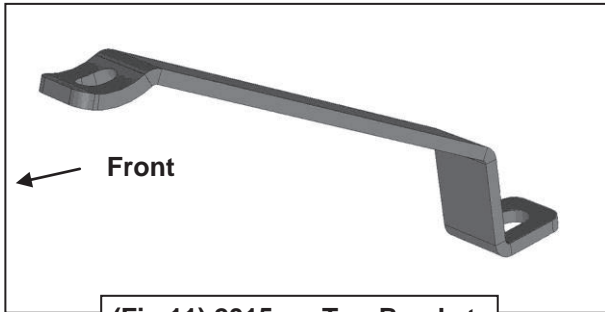
Driver Side Installation Pictured



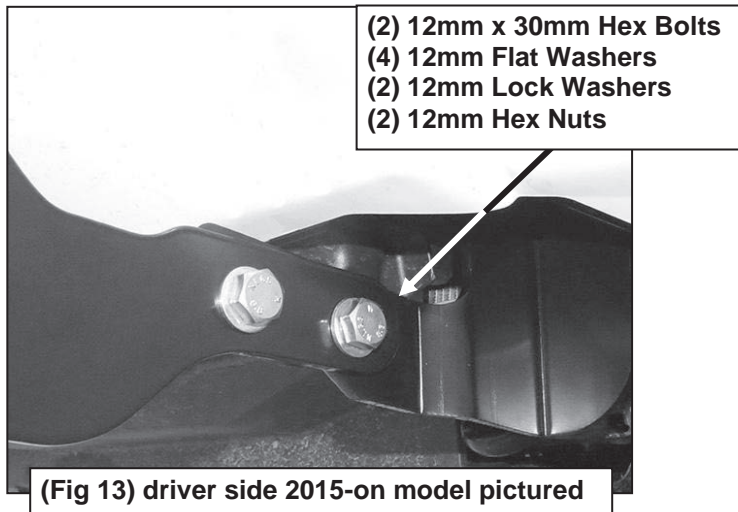
Driver Side Installation Pictured



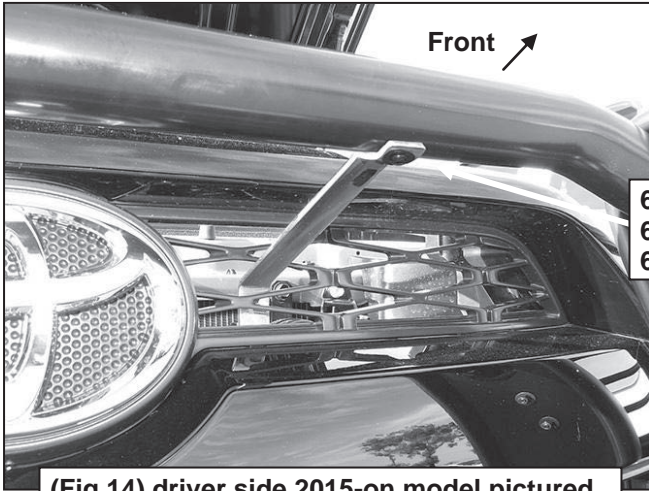
(Fig 10) 2015-on; Remove driver side fastener closest to grille emblem (pictured from behind grille)



8mm x 30mm Hex Bolt
(2) 8mm x 24mm Flat Washers
8mm Nylon Lock Nut



Driver Side Installation Pictured



(Fig 14) driver side 2015-on model pictured



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.

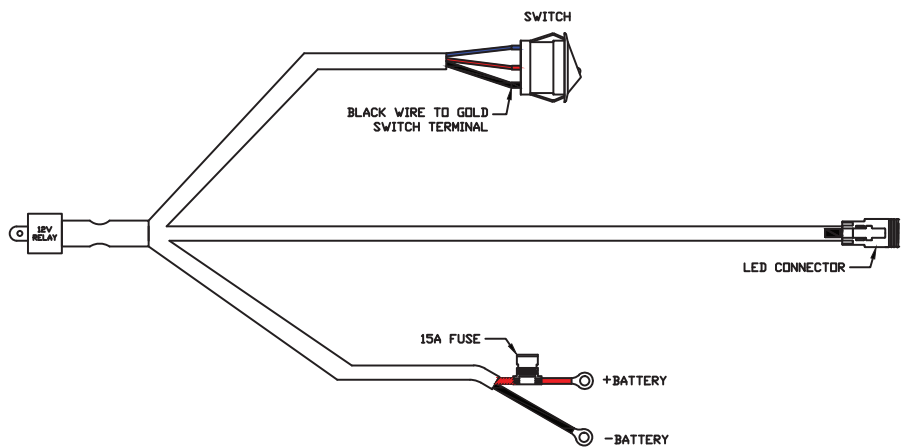
Level of Difficulty

Easy

Product Image



Wiring Diagram



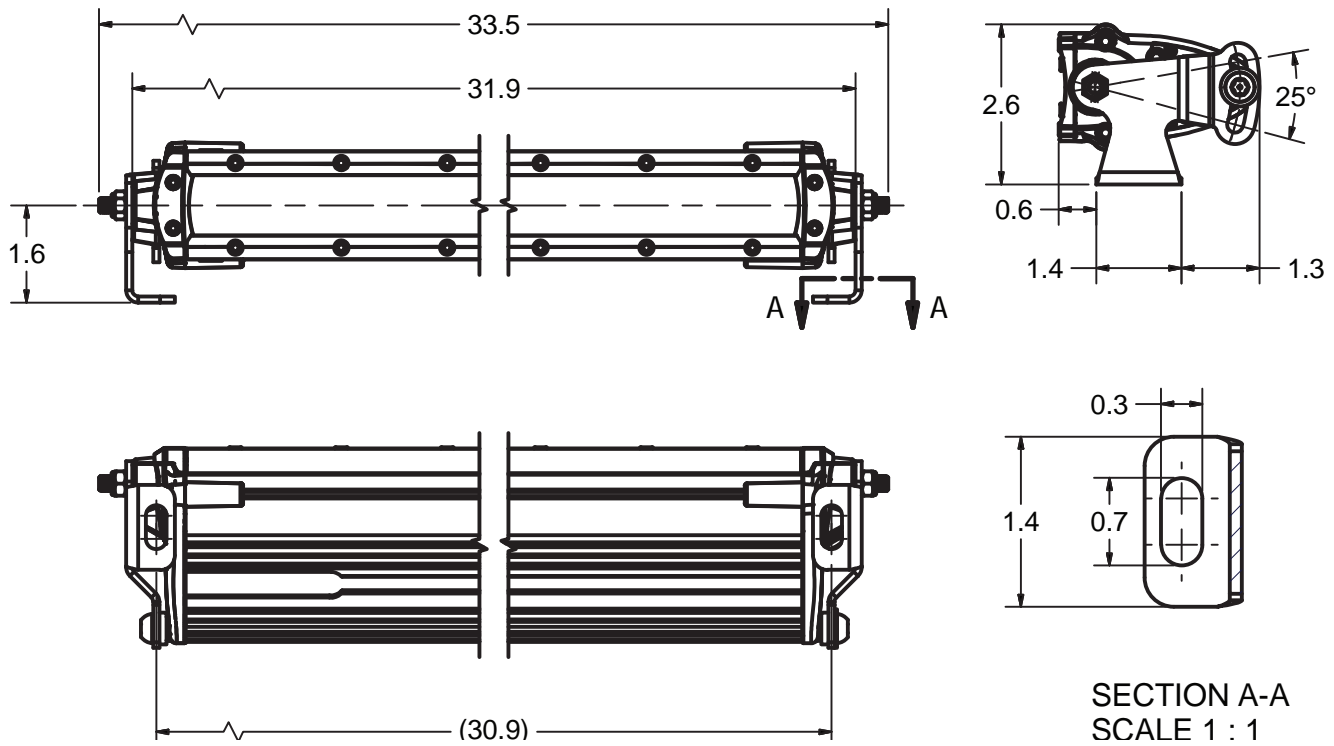
Notes and Maintenance

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

