



EXTREME TACTICAL DYNAMICS

SERVING THOSE WHO SERVE US™

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Stealth 6 Linear LED Visor Light Bar Wiring and Installation Guide



You have just purchased the LED Stealth 6 [visor light bar](#) from Extreme Tactical Dynamics. Your new interior visor light bar is made with only the best LED bulbs and technology and is meant for use by professionals. This emergency vehicle light can be used for police, fire, EMS, tow truck, pilot cars, construction trucks, utility vehicles and security vehicles. Our manufacturer warranty protects against defects. It is important to read this document carefully and contact customer service with any questions, comments, or concerns.

Warnings and Notices for Installers and End Users Alike

We created this document to be read and used by professional EVT installers and / or end users. It includes information about the safe and correct use of Extreme Tactical Dynamics emergency vehicle lights. Before operating this visor light bar, the manual must be read in its entirety. Professional installers and end users will find vital information that could prevent property damage and injury to the installer and / or end user.

In no way does the use of emergency LED lights guarantee that pedestrians or motorists will notice, react, or see visual signals such as police lights, fire truck lights, or cautionary lights. Lights and sirens do not guarantee the driver the right of way. It is a user's duty to use equipment and drive with safety and accountability at all times.

The LED Stealth 6 emergency vehicle visor light bar should be tested every day to make sure it is working appropriately. If you experience any malfunctions, it's important to contact Extreme Tactical Dynamics. The team can help you with troubleshooting possibilities, service claims, and warranties.

All of our Stealth visor lights are professionally made and are intended for use by emergency vehicle personnel and operators such as police, fire, EMS. It is the user's duty to adhere to the different emergency vehicle light state laws, understand the laws, and obey all the laws about the color of emergency lights that can be used and where they can be mounted on the vehicle.

Extreme Tactical Dynamics accepts no responsibility for loss resulting in the use of our emergency vehicle visor light bars. Proper installation of these warning lights is vital to the dependability and usability of this visor light bar.

Since an emergency vehicle operator usually drives and uses lights in demanding environments, it's vital it is fitted and installed only in effective areas that are easy to reach and permit for the driver to use without compromising eye contact with the road.

The effectiveness of [Extreme Tactical Dynamics emergency vehicle lights](#) is reliant on professional mounting and wiring. In some instances emergency vehicle lights may necessitate high electrical voltages and currents. Users and installers must always use extreme caution around live electrical connections. Grounding or shorting of connections can result in high current arcing and severe injuries or vehicle damage.

Electromagnetic interference could be caused by electronic devices in different emergency vehicles. To circumvent interference, a LED visor light bar should be mounted at least 12" to 34" from a radio antenna. Emergency vehicle lights and radio communication gear should not be grounded from the same circuit path. After all equipment is connected, it must be tested to ensure there is no interference.

Professional installers and end users must appreciate the way equipment and airbags interrelate in an emergency vehicle. Any emergency vehicle lighting, wiring or equipment installed in airbag deployment areas can harm or displace airbags or sensors. Equipment in airbag deployment areas will also reduce the equipment's ability to protect passengers potentially causing serious harm or injury.

Installers must make sure any wiring, power supplies, hardware, or other parts do not interfere with airbags, SRS wiring, or sensors. All Extreme Tactical Dynamics products must be mounted and installed according to manufacturer instructions and attached to a part of the vehicle that is adequate for its use. The emergency vehicle product should only be mounted in areas specified by and approved by the vehicle's manufacturer.

PROPER INSTALLATION AND DRIVER TRAINING IS AN ESSENTIAL COMBINATION FOR APPROPRIATE USE OF EMERGENCY VEHICLE LIGHTS AND ACCESSORIES.

Unpacking your LED Stealth 6 emergency vehicle visor light bar

- The visor light bar will ship in one package.
- Some hardware may be shipped in small bags within the package.
- Empty box or all contents.
- Identify all parts to be used on your emergency vehicle light.
- Make sure the box is empty before storing it or throwing it out.

(4) Sets of mounting brackets

Consisting of

(2) Long “fork” brackets

(2) Short “fork” brackets

(2) Bracket with six slats

(2) Bracket with two slats

(12) Screws

(12) Washer

(2) Flashback visor extender

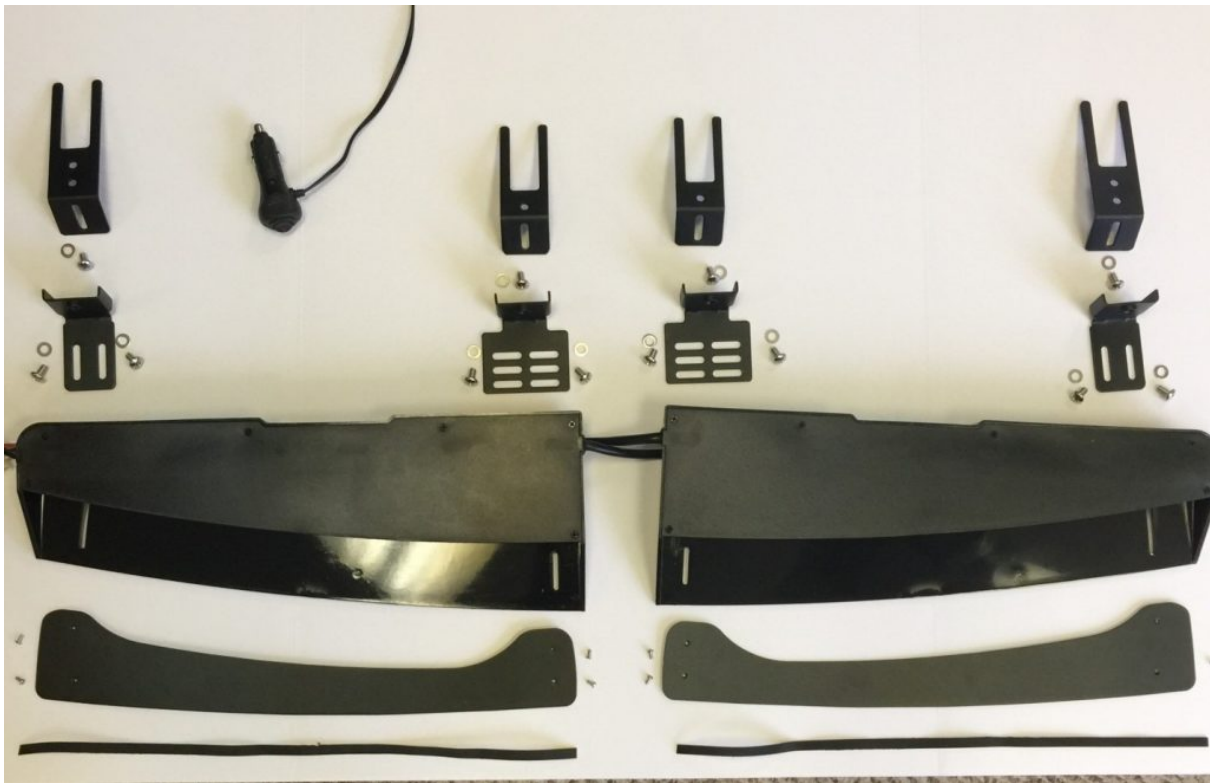
Attach to end of visor flash guard light if needed

(8) Small screws

Attach Flashback visor extender to visor light

(2) Flashback guard rubber stripping

Placed on end of flashback guard to reduce impact between visor and windshield of vehicle



Pre-Installation Inspection and Bench Testing

- It is important that you inspect the components of the emergency vehicle light and hardware as soon as it arrives.
- If there are any issues, you must contact Extreme Tactical Dynamics.
- After inspection, perform a bench test. For more information on bench testing a product please see Extreme Tactical Dynamics website.

Bench Test Checklist

- Make sure all LEDs and modules are functioning
- Make sure all flash patterns are working correctly

- Make sure to check that the Non-volatile memory is operational

Instructions for Mounting, Programming and Wiring your new emergency vehicle light

IMPORTANT: Proper installation requires the professional installer or end user to have a good understanding of automotive electronics and 12 volt systems.

- If drilling into a vehicle's surface ensure it is free of electrical wires, upholstery, fuel lines, and any other obstructions that may cause damage to the vehicle.
- All drilled holes for wiring should have metal remnants removed, be deburred, and sealed. This can create a fire hazard in the vehicle if not done properly.
- Use heat shrink when soldering connections
- Use the proper size wires and create tight waterproof connections.
- Pay special attention to the location of spliced wires to protect from lost power.
- Do not use insulation displacement connectors. Extreme Tactical Dynamics sells the proper connectors on their website.
- Minimize wire splices as much as possible. Most failures come from improper splices.
- Use SXL type wire in the engine compartment

Control panel

Located on the driver's side visor for ease of use

On/off – turns unit on and off by depressing button

Take Down – turns LED modules to a steady on mode (not flashing) or to flash mode by depressing the button
One LED module per visor has this option. The LED modules with this option are located at the position closest to where your rear view mirror on your vehicle would be when the visor is mounted

Arrow left – directional pattern feature when button is depressed will provide a direction left pattern

Arrow center out – directional pattern feature when button is depressed will provide a direction center out pattern

Arrow right – directional pattern feature when button is depressed will provide a direction right pattern



Connect mounts together

Start by connecting the mounting bracket parts to each other – loosely tighten so you can adjust to fit your vehicle later during the install.

Use (1) screw and (1) washer per set to connect the parts to each other
Brackets with 6 slats connect to the short “fork” brackets
Brackets with 2 slats connect to the long “fork” brackets
See pictures for more detail



Attach mounts to visor unit

Turn the visor light so that the bottom is facing up and you see 4 screw holes on each visor side.

This is where the mounting brackets will attach to the visor.

Mounting bracket part with slats connects to visor.

Use (4) screws and (4) washers to attach mounting brackets to each side of visor light bar – loosely tighten so you can adjust to fit your vehicle later during the install.

The Two Slat bracket belongs on the innermost side of the visor. The Six slat belongs on the outermost side of the visor.



Mounting your visor light to the vehicle

The visor light uses the existing screws located in your vehicles visors. You will still be able to use your vehicle visors.

Loosen the vehicle visor screws enough to slide the visor light “fork” brackets into place under the visor screws.

At this time determine if you will need to add the additional flash back guard extender. Not all vehicles will need this part. Be sure the visor is very close to the windshield so you will not get light flashing back into your vehicle when the unit is on and flashing. – see Flash Guard Extender instructions if this part needs to be installed.

Add rubber stripping to edge of visor light flash guard or visor light flash guard extender depending on the mounting option you choose for your install. This rubber stripping will create a protective barrier between your visor light and windshield to prevent damage during vehicle vibration and movements.

Once the visor unit is in place tighten the visor screws so the visor light is stable and tightly in place

Adjust brackets up/down and left/right to get a proper fit then tighten all brackets securely.



Flash Back Extender

Not all vehicles will need this part. Be sure the visor is close to the windshield so you will not get light flashing back into your vehicle when the unit is on and flashing

If the visor light unit is not close enough add the flash back extender

The flash guard extender will attach to the visor light at the end of the visor light flash guard

Use (2) small screws on each side of the flash guard extender and attach to the visor light

Adjust accordingly to fit your vehicle



CONTROL AND POWER

Cig Adapter

Plug into your vehicles cig plug to power the visor light bar

Includes on/off button on cig adapter

Red light will turn on when depressing the toggle button on the cig adapter to denote light is on

Red light will turn off when depressing the toggle button on the cig adapter it denote light is off

The tip of the cig adapter has a fuse located in it. Occasionally you may need to change the fuse as regular maintenance on this unit. To access the fuse screw the black portion of the tip of the cig adapter counter clockwise. To replace the tip screw the black portion of the tip clockwise.



Hard wiring to the battery or a separate siren box or control switch

This unit can be hard wired by cutting the cig adapter off

This will give you two wires positive + and negative –

By removing the cig adapter you will be removing the fuse located inside of the cig adapter tip it is imperative when hard wiring to your 12 volt power source you add a inline fuse to safe guard the unit from damage Connect to power accordingly to positive and negative feeds (If you reverse the polarities you will blow the circuit board)

Please Note:

Hard wiring the unit will void your warranty if not installed by a certified Emergency Vehicle Technician please see warranty policy for further information on this.

Your install is complete if you need further instruction please contact us

IMPORTANT: See Extreme Tactical Dynamics policies regarding hard wiring.

Extreme Tactical Dynamics warranty covers manufacturer defects. Warranty is void if the unit is rewired, disassembled, improperly wired, or installed incorrectly.

If you have any issues or concerns, please contact customer service immediately.

Thank you for giving Extreme Tactical Dynamics your business. We know you have options when buying emergency vehicle lights and we are pleased you chose us.

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