



**AGILE  
OFFROAD**  
SMARTER THAN DIRT



## INSTALLATION GUIDE

INEOS Grenadier Auxiliary Front Light and  
Mount Kit 25amp by Agile Offroad

AO-L3G-1 (CLEAR LIGHT KIT)

AO-L3G-2 (AMBER LIGHT KIT)

# LIGHT UP YOUR ADVENTURE

WITH THE BAJA DESIGNS GRENADIER LIGHT KIT BY AGILE OFFROAD

AO-L3G-1 | AO-L3G-2



## INEOS GRENADIER Auxiliary Front Light and Mount Kit by Agile Offroad

25 AMP

Upgrade your off-road experience with the Baja Designs Grenadier Auxiliary Off-Road Light Replacement Kit by Agile Offroad! Designed to replace your OEM auxiliary lights, this kit brings state-of-the-art power and efficiency to your vehicle. The XL-R 80 LED Auxiliary Light Pods offer superior light penetration, ensuring you have the visibility you need for any adventure. Available in both White (clear) and Amber lens colors, these lights blend seamlessly with your vehicle's factory setup, utilizing the existing OEM switch for a hassle-free installation. Complete with mounting brackets, hardware, and wiring, our kit is the perfect upgrade for your INEOS Grenadier.

### KEY FEATURES



#### Advanced LED Technology

XL-R 80 LED Auxiliary Light Pods provide exceptional brightness and efficiency.



#### Factory-like Installation

Designed to work with your Grenadier's existing switches (EXT1 or EXT5) for a seamless setup.



#### Lens Color Options

Available in both White (clear) and Amber lens colors to suit your preference and needs.



#### Complete Kit

Includes custom heavy-duty mounting brackets, all necessary hardware, and wiring for easy installation.



#### Durability

Built to withstand the rigors of off-road use with robust construction.



#### Switch Options

EXT5 (25A) on High Load Auxiliary Switch Panel.  
EXT1 (10A) on Standard Factory Switch Panel.

### BENEFITS

#### 01 Enhanced Visibility

Superior light penetration helps you see further and clearer on any trail, improving safety and performance.

#### 02 Easy Installation

Utilize your vehicle's existing switch panel and factory locations, making the upgrade process straightforward.

#### 03 Customization

Choose between White or Amber lenses to match your aesthetic and functional preferences.

#### 04 Comprehensive Solution

Everything you need is included, ensuring you have a complete upgrade package without needing additional purchases.

#### 05 Seamless Integration

Designed to look and function like a factory option, maintaining the sleek appearance of your Grenadier.

LIGHT UP YOUR ADVENTURE WITH THE BAJA DESIGNS GRENADIER LIGHT KIT BY AGILE OFFROAD

Installation Manual



SKU AO-L3G-1 | AO-L3G-2



## INEOS GRENADIER AUXILIARY FRONT LIGHT AND MOUNT KIT 25AMP BY AGILE OFFROAD

### HIGH LOAD AUXILIARY SWITCH PANEL

The High Load Auxiliary Switch Panel is a factory option for the Grenadier, providing pre-wired auxiliary switches with fuses and wiring extending to various points in the vehicle. This panel facilitates the quick installation of aftermarket accessories like winches and light bars, activated through dedicated overhead console switches. It also includes four external electrical sockets located in the tie-down rail recesses, further enhancing your vehicle's versatility.

### ENSURE COMPATIBILITY

Before purchasing, verify if your Grenadier is equipped with the High Load Auxiliary Switch Panel to select the correct installation kit and ensure a smooth upgrade process.

Upgrade your off-road lighting with the Baja Designs Grenadier Auxiliary Off-Road Light Replacement Kit and light up every adventure with confidence!

#### SKU

AO-L3G-1	White (clear) Lens - EXT5 (25A) on High Load Auxiliary Switch Panel
AO-L3G-2	Amber Lens - EXT5 (25A) on High Load Auxiliary Switch Panel

#### TECHNICAL SPECIFICATIONS

Product Fit	Baja Designs Off-Road Lights
Lighting Choice	White(clear) Lens, Amber Lens
Switch Option	EXT5 (25A) on High Load Auxiliary Switch Panel
Packging Dimensions	12in x 12in x 10in
Weight	10 lbs

#### PARTS INCLUDED

AO-L3G-1	Clear Light Kit
AO-L3G-2	Amber Light Kit
1	AO Fog Lamp and Bracket Assembly (pair)
1	AO Custom Light Wire Harness
1	AO Custom Pigtail Connector

#### RELATED PRODUCTS

AGA1001	INEOS Grenadier Fox Steering Stabilizer by Agile Offroad
AGA3001	ARB Onboard Air Kit For INEOS Grenadier By Agile Offroad
AOR-I1G1	INEOS Grenadier Overhead Switch-Pros Mount by Agile Offroad
AGA6500	Overlander HD Grenadier Wheels by Agile Offroad

# INSTALLATION GUIDE

## LIGHT UP YOUR ADVENTURE WITH THE BAJA DESIGNS GRENADIER LIGHT KIT BY AGILE OFFROAD

INEOS Grenadier Auxiliary Front Light and Mount Kit 25amp



Light up the trails with the Baja Designs Grenadier Auxiliary Off-Road Light Replacement Kit by Agile Offroad! By upgrading your front OEM auxiliary lights with the state-of-the-art power and efficiency of these XL-R 80 LED Auxiliary Light Pods to your rig, you'll get the improved light penetration you're looking for in a package that is designed to look like a factory option. Our Grenadier Auxiliary Light Replacement Kit replaces the OEM Off-Road lights located in the grille while using a OEM switch for a factory-like installation. Mounting brackets, hardware and wiring is included with our INEOS Grenadier auxiliary lights upgrade. We recommend the Fog Lamp Kit be installed by an authorized AO dealer (refer to agileoffroad.com to find a dealer near you). \*\*Read the instructions completely before starting the installation process\*\*

### SKU

AO-L3G-1

AO-L3G-2

### PARTS INCLUDED

AO-L3G-1 (Clear Light Kit)

AO-L3G-2 (Amber Light Kit)

1 x AO Fog Lamp and Bracket Assembly (pair)

1 x AO Custom Light Wire Harness

1 x AO Custom Pigtail Connector

### TOOL NEEDED

T25 Torx Socket/Wrench

T30 Torx Socket/Wrench

T40 Torx Socket/Wrench

10mm Socket/Wrench

Panel/Clip Removal Tool

Razor Blade

Plastic Pry Tool

Wire Cutters

Open Barrel Terminal Crimper

Panel/Clip Removal Tool

Power Probe or 12V Test Light

Wire Strippers



## INSTALLATION GUIDE



**1.** Raise and secure the hood with the support rod in the service access position.



**2.** The hood weatherstrip is attached to the body panels using retainer t-clips. Carefully slide the weatherstrip off of retainer t-clips by pulling forward, out and then back on the weatherstrip at each t-clip location.



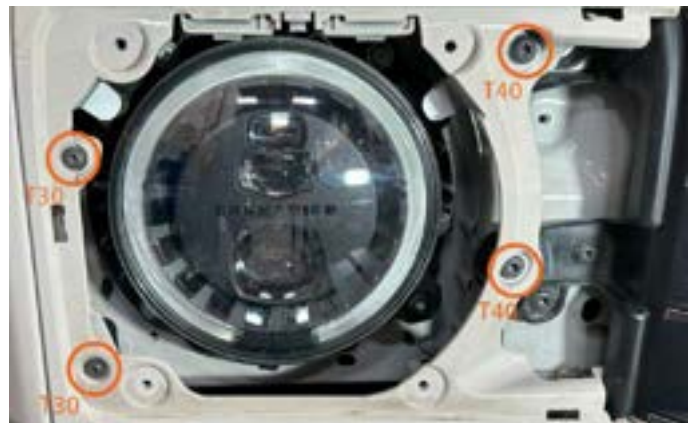
**3.** Unclip the weatherstrip from the upper grille panel only. To avoid damaging the t-clips, do not remove the t-clips from the grille panel.



**4.** Use a T30 torx bit to remove the 4 headlight bezel screws.



**5.** With the four bezel screws removed, pull out bezel starting from the headlight side and then pull out at angle to unclip bezel from grille.



**6.** Use a T30 and a T40 Torx bit to remove the 4 painted headlight panel screws.

## INSTALLATION GUIDE



**7.** With the four headlight panel screws removed, pull out panel starting from the lower fender corner.



**8.** Then pull panel straight back off fender.



**9.** Release lower inner panel tab from behind grill.



**10.** Use a T40 Torx bit to remove the 4 side grille retaining bolts. Repeat steps 4-10 on opposite side.



**11 A/B.** Locate the 4 upper grille retainer clips.



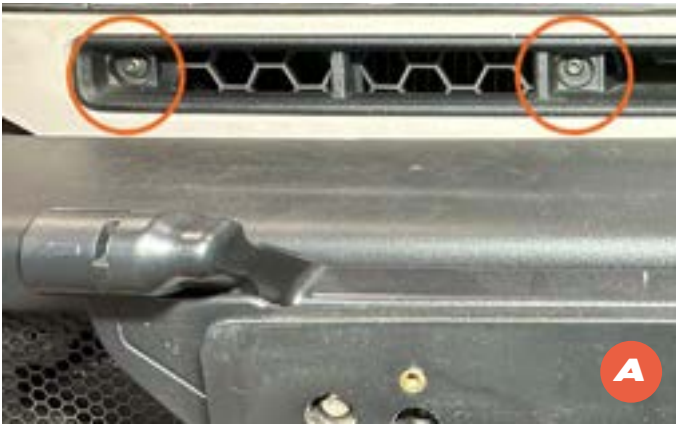
## INSTALLATION GUIDE



**12.** Use a T30 Torx bit to remove the retainer clip center screw.



**13.** Then remove the remaining clip using a clip removal tool. Remove all 4 retaining clips.



**14 A/B.** Use a T30 torx bit to remove the 4 lower grille bolts. Removing these lower bolts will allow the grille to be tilted forward to ease in the removal of the OEM lights and the installation of the new Agile Light Kit.



**15.** The OEM fog lamp connector and bezel are attached behind the grille.



**16.** Push tab and pull on connector to disconnect light.

## INSTALLATION GUIDE



**17.** Push tab and pull on connector to disconnect light.



**18.** Use a T25 torx bit to remove the 4 fog lamp bezel ring screws.



**19.** Use a plastic pry tool and starting from the bottom of the fog lamp pry the lamp straight forward.



**20.** With the OEM fog lamp removed locate the 3 rubber grommets.



**21.** Remove the 3 grommets from the back side of the grille.



**22.** The fog lamp pocket is now ready for the new Agile Lamp Kit.



## INSTALLATION GUIDE



**23.** The new Agile Lamp Kit comes with each light and bracket assembly pre-assembled and labeled as Passenger and Driver.



**24.** Install the light assembly in the appropriate lamp pocket. Hold assembly and install using the supplied bolts.



**25.** Hand tighten the 4 supplied bolts. Use a 10mm socket/wrench to fully tighten all 4 bolts. \*\* Torque to 7-8 ft lbs. \*\* Repeat steps 14-23 on opposite side.



**26.** Remove the factory harness wire from the lower zip tie clip and tie harness away. Passenger side: Zip tie harness to outside temp sensor harness.



**27** Repeat step 24 on driver side. Zip tie harness to inner radiator grille.



**28.** Connect the supplied wire harness to passenger side lamp. Zip tie wire harness to the lower zip tie clip.

## INSTALLATION GUIDE



**29.** Connect the supplied harness to the driver side lamp. Zip tie wire harness to the lower zip tie clip. Zip tie any remaining harness slack left between the two lower zip tie clips.



**30.** Route the supplied light harness from behind the grille through the driver side lower headlight mount. Follow the existing OEM wire harness to the brake master cylinder.



**31** Locate the light purple wire and the black wire pair. This pair of wires are taped to the large wire harness. Remove tape.



**32.** Before cutting and stripping wires, it is recommended to test the purple wire for power. Test shown here using a Power Probe.



**33.** With the ignition power on, turn on the EXT 5 switch. Switch light signifies power on. Purple wire should now show +/- 12 volts. Turn off switch and ignition after testing.



**34.** Cut off wire ends, peel back the factory electrical tape and then strip wires approximately 1/4"



## INSTALLATION GUIDE



**35.** Crimp on the supplied pigtail with the red wire going to the purple wire and the black wire going to black wire. Connect pigtail harness to lamp harness and test lights. Check connections if one or both lights don't come on.



**36.** Re-install the factory lamp bezel using the factory screws.



**37.** With both bezels installed, re-install the 4 lower grille bolts from step 13. Re-assemble grille and headlight panels using factory hardware. Refer back to steps 1-13.



**38.** Come in at an angle when installing the painted headlight panel.



**39.** Now line up panel pins with the holes in fender. When lined up, push panel into place.



**40.** Gently maneuver the lower panel tab behind grille



## INSTALLATION GUIDE



**41.** The extra-long T40 bolt goes in upper headlight panel.



**42.** Come in at an angle when installing the headlight bezel then snap bezel into place.



**43.** Start the weatherstrip installation from one end and work around until all t-clips are re-attached. Slide weatherstrip onto one end of t-clip then stretch weatherstrip and let it snap back until the clip is completely inserted in weatherstrip.



INEOS  
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Interior



Exterior



Suspension



Air Locker &  
Drivetrain



Steering &  
Brakes



Air  
Compressors



Armor &  
Protection



Bumpers



Lighting



Wheels &  
Tires



Storage &  
Racks



Water &  
Fuel Tanks



Winches &  
Recovery



Replacement  
Parts &  
Accessories



Electrical



Tools



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