

INSTALLATION GUIDE

LP4 Ineos Grenadier Fog Lamp Kit (10 Amp)
G19-1005

HIGH-OUTPUT LP4 GRILL LIGHTING, GRENADIER FIT

LP4 Ineos Grenadier Fog Lamp Kit (10 Amp)



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 LP4 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 the 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

G19-1005

PARTS INCLUDED

- 1 x AO Fog Lamp and Bracket Assembly (pair)
- 1 x AO Custom Light Wire Harness
- 1 x AO Custom Power/Relay Harness

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
- Power Probe or 12V Test Light
- Wire Strippers

INSTALLATION TIME

2 hours

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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 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.

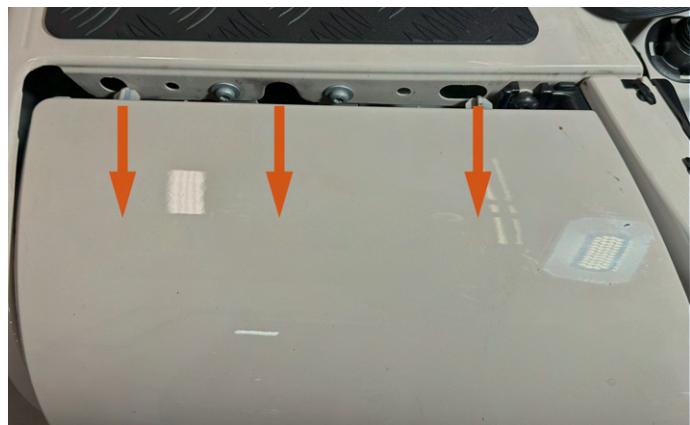


6. Use a T30 and a T40 Torx bit to remove the 4 painted headlight panel screws.

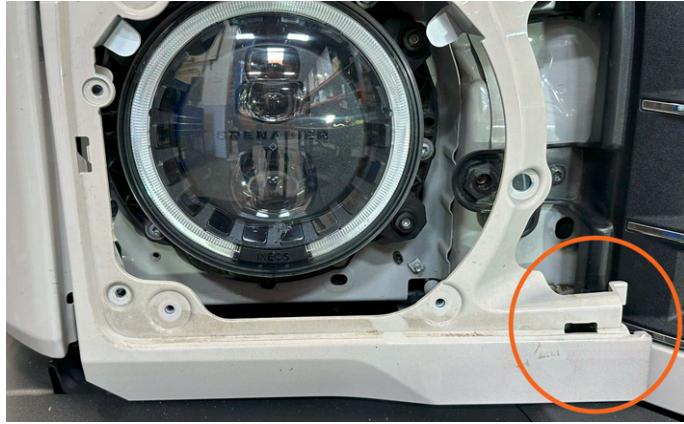
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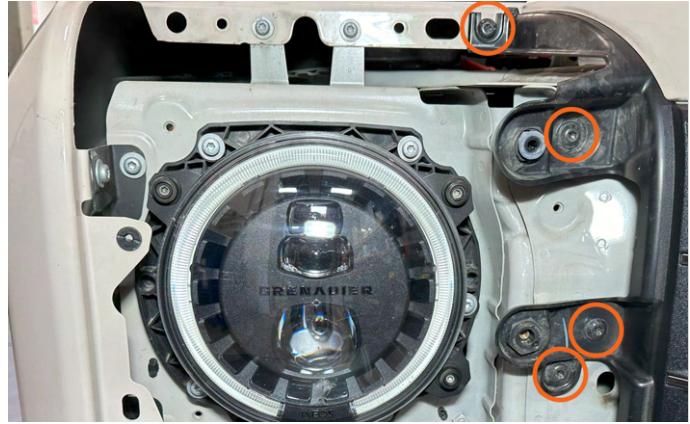
7. With the four headlight panel screws removed, pull out panel starting from the lower fender corner.



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.



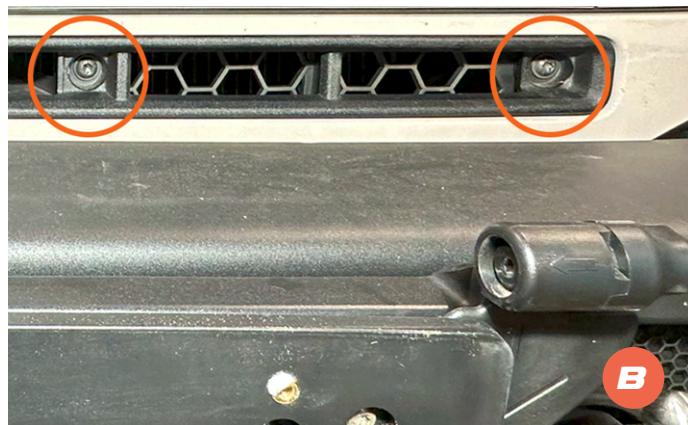
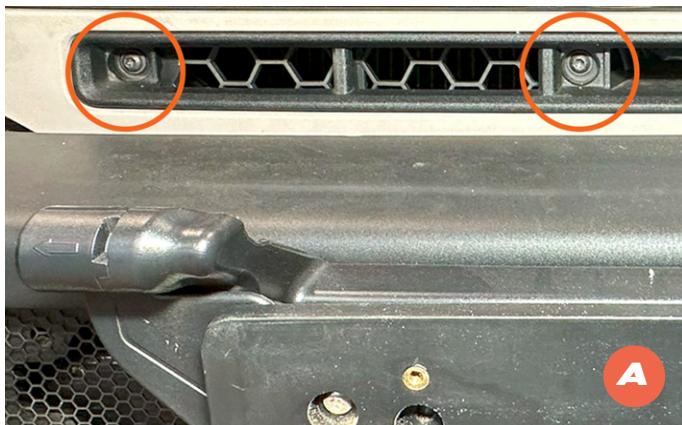
11. Locate the 4 upper grille retainer clips.



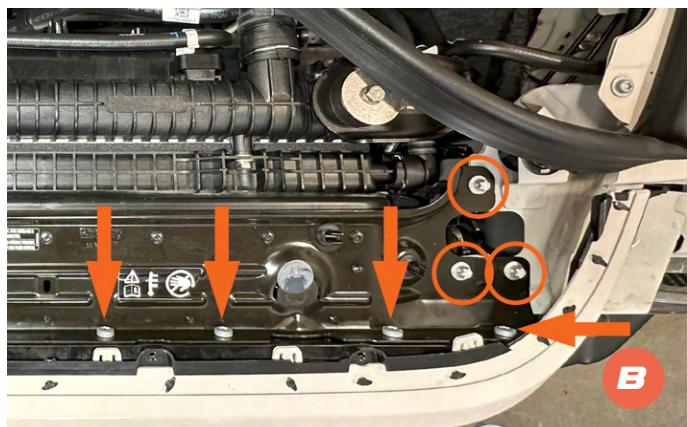
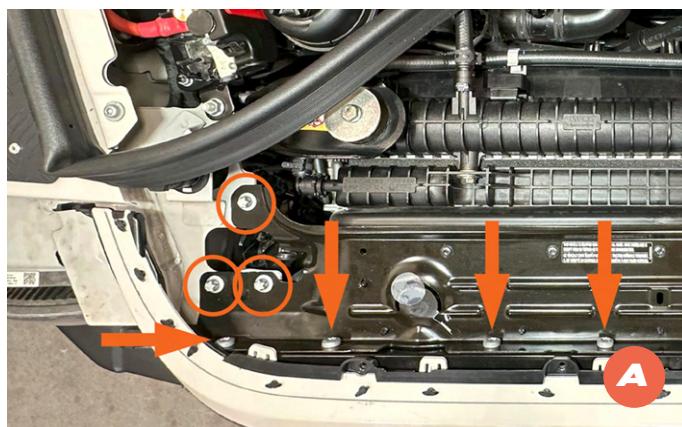
12. Use a T30 Torx bit to remove the retainer clip center screw.



13. Remove the remaining clips 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 A/B. Use an E12 torx socket/wrench to remove the 6 vertical star bolts (circle above). Then use a T45 socket/wrench to remove the remaining 8 horizontal bolts located on the front of radiator support cover. It is not required to completely remove this cover.

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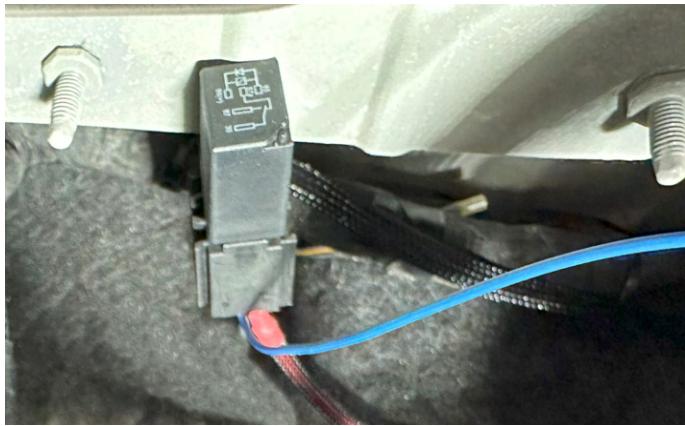

A

B

16 A/B. Route supplied fused power harness wire under radiator support cover to the passenger side auxiliary battery jumper box. Route wire around the hood latch assembly.



17. Use the supplied 8mm nut to attach the fused power harness wire to the 8mm stud located at the battery jumper box.



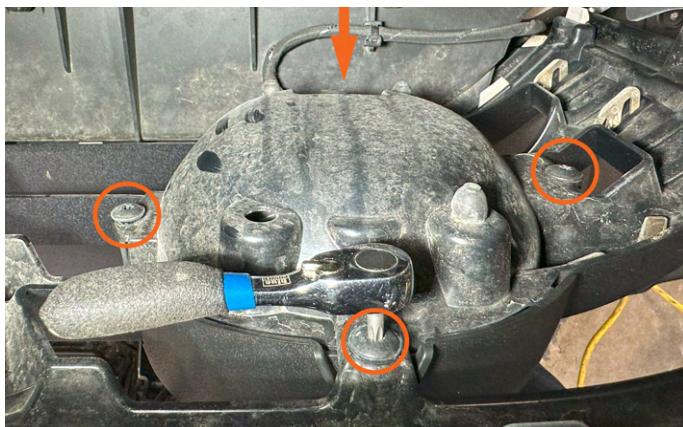
18. Route the relay side of the power harness wire to the driver side fender adjacent to the brake master cylinder. Route wire around the hood latch assemblies. Use zip ties to secure power harness wire to OEM harness. **Note: Avoid routing the power harness wire in hood latching assemblies or near any moving parts. Re-install radiator support cover.**



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



20. Push tab and pull on connector to disconnect light.



21. Use a T25 torx bit to remove the four fog lamp bezel ring screws.



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



23. With the OEM fog lamp removed locate the 3 rubber grommets.



24. Remove the 3 grommets from the back side of the grille.



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

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26 A/B. Route the supplied light wire harness starting from the right fog lamp opening to the left fog lamp opening.



27. Continue routing the light wire harness under the headlight assembly to the engine compartment as shown.

28. Use a 10mm socket to mount the light harness ground ring to the factory ground stud located on the on the inner fender.

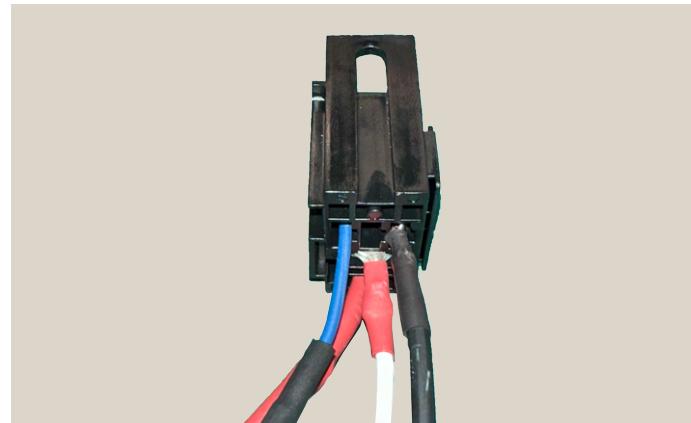


29. Locate the light purple with yellow striped wire and the black wire pair. This pair of wires are taped to the large wire harness. Remove tape.

30. Turn on the ignition (w/o engine running) and turn on EXT 1 switch.



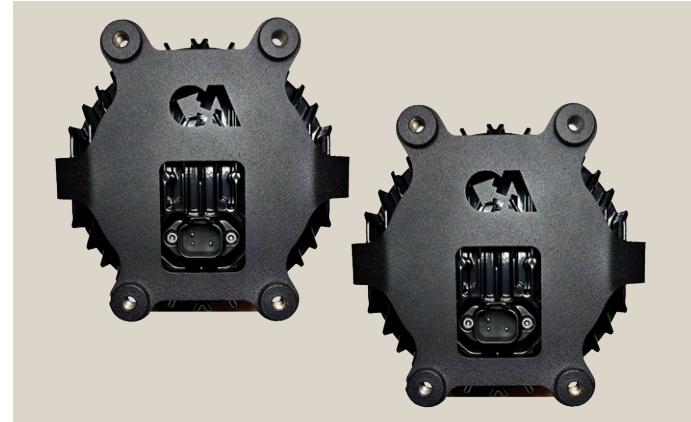
31. Test the purple with yellow striped wire for power. Turn off switch and ignition. Splice wire and use the supplied butt connector to join to the relay blue wire.



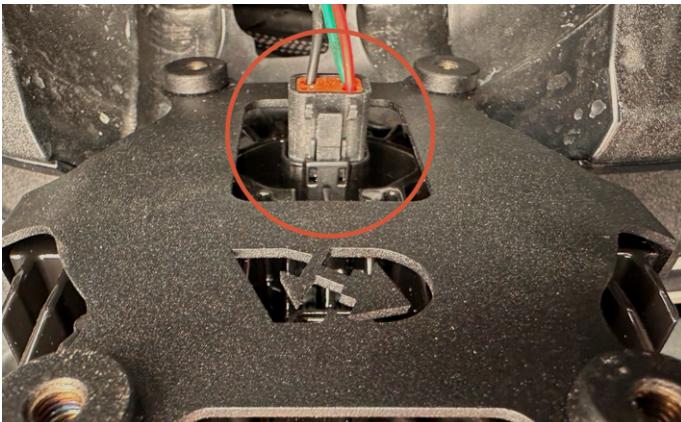
32. Attach the light harness red wire to the relay connector (#87) then attach the remaining black wire to relay connector (#85).



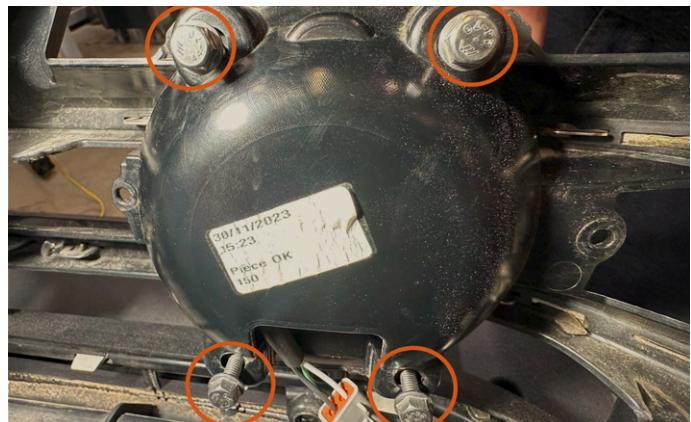
33. Zip tie the relay assembly to the factory wire harness as shown.



34. The new Agile Lamp Kit comes with each light and bracket assembly pre-assembled.



35. Plug in the lamp assembly.



36. Use the supplied M6 flange bolts to install the light assembly.

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37. Re-install the fog lamp bezel ring using the factory hardware.



38. 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.



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



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



41. Gently maneuver the lower panel tab behind grille.



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



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



44. 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.

