



**AGILE
OFFROAD**
SMARTER THAN DIRT



INSTALLATION GUIDE

Baja Designs S2 Mirror Light Mount Kit for
INEOS Grenadier by Agile Offroad

G19-1007X

INSTALLATION GUIDE

LOW PROFILE MIRROR LIGHTING, DONE RIGHT

Baja Designs S2 Mirror Light Mount Kit for
INEOS Grenadier by Agile Offroad



This mirror-mounted lighting solution adds functional, forward-facing illumination to the Grenadier without cluttering the body or roofline. The kit mounts cleanly underneath the driver and passenger mirrors and is designed specifically for Baja Designs S2 Combo driving lights, offering a durable, vehicle-specific solution for improved visibility.

SKU

G19-1007X

PARTS INCLUDED

- 1 x Left Side Light Bracket
- 1 x Driver Side Light Bracket
- 1 x Baja Design S2 Light Kit
- 1 x 8 Feet of 16g Red Wire
- 2 x Butt Connector
- 4 x 1" of Shrink Wrap
- 2 x #10 Ring Terminal
- 4 x Nut Extender
- 2 x Grommet

TOOL NEEDED

- Hook and Pick Set
- T20 Torx Bit
- T25 Torx Bit
- T30 Torx Bit
- 10mm Socket
- Plastic Prybar
- Panel Clip Removal Tool
- Cable Fish Tape
- Razor Blade
- Wire Crimpers
- Wire Strippers
- Heat Gun
- Wire Ties

INSTALLATION TIME

2-3 Hours

INSTALLATION GUIDE



1. Remove the passenger side door sill panel.



2. Partially remove the door weatherstrip.



3. Use a 10mm socket to remove the lower kick panel screw.



4. Remove the kick panel.



5. Remove the center corner dash panel.



6. Remove the driver side door sill panel.

INSTALLATION GUIDE



7. Use a T25 Torx bit to remove the hood latch lever.



8. Use a 10mm socket to remove the lower kick panel screw. Use a T25 to remove the center kick panel screw.



9. Remove the outer footrest panel and foam. Use a 10mm socket to remove the three inner footrest panel nuts and a T25 to remove the two screws.



10. Open the front doors completely.



11. Use a pick to remove the screw cover behind the interior door handle.



12. Use a T30 to remove the screw.

INSTALLATION GUIDE



13. Use a T25 to remove the rear door panel screw.



14. Use a T30 to remove the lower door panel screw.



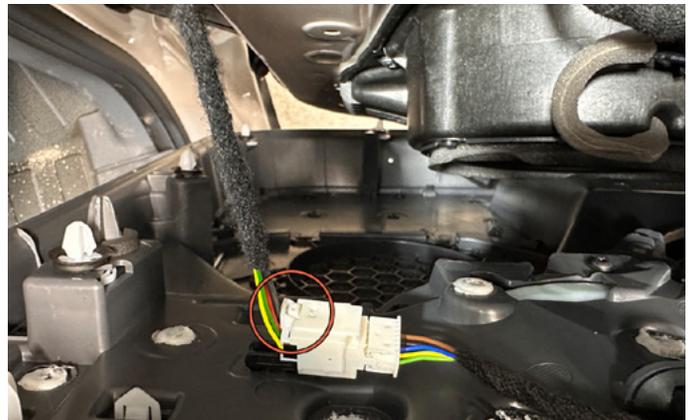
15. Use a small plastic prybar to remove the door panel armrest. Start prybar at the front side of armrest.



16. Use a T25 to remove the three center door panel screws.

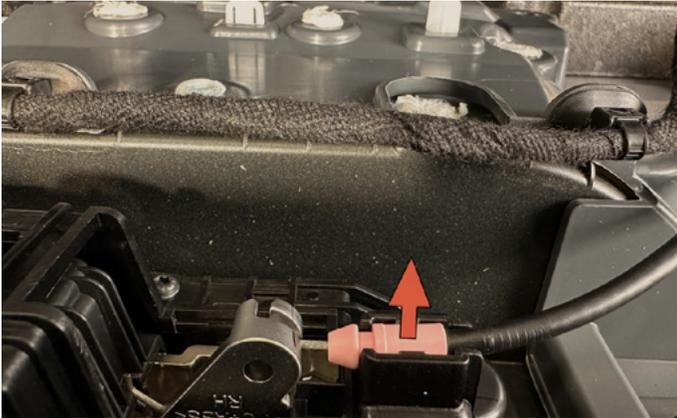


17. Use a plastic prybar at the rear lower door panel corner. Pull the door panel from the bottom to unclip from the door. With the door panel unclipped, pull up on the door panel to release from the top of door.

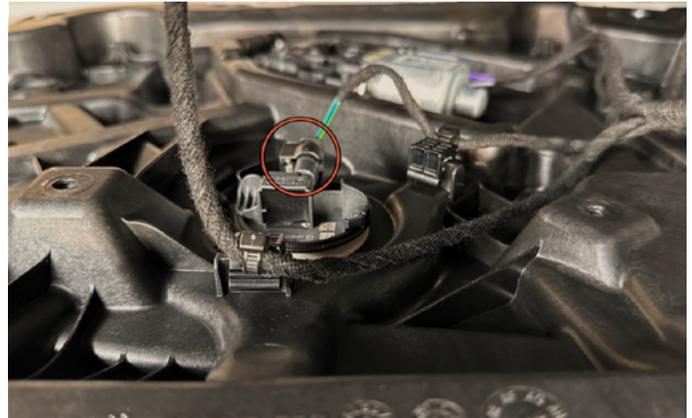


18. Disconnect mirror connector.

INSTALLATION GUIDE



19. Unclip door handle cable and remove cable from door handle slot.



20. Disconnect crash sensor. **Note: To avoid an Airbag Warning Light, the ignition must remain off until all sensors are re-connected.**



21. Disconnect the window switch connector.



22. Disconnect the lower light connector.



23. Use a panel clip removal tool to remove the three electrical harness clips from the door panel.



24. Disconnect the door handle connector.

INSTALLATION GUIDE



25. Completely remove the door panel. Use a T20 Torx bit to remove the door speaker.



26. Remove the three clear mirror screw hole stickers.



27 A/B. Use a T30 Torx bit to remove the three mirror screws. To help eliminate the risk to dropping a screw down into the door cavity, roll up a 3" x 3" index card and insert it into each screw hole when remove each screw.



28. Push in on the mirror harness grommet. Remove mirror from door.



29. Use a small pick to remove the lower mirror screw cover. Insert pick in the outer radius of the cover.

INSTALLATION GUIDE



30. Use a T25 to remove the two inner mirror screws.



31 A/B. Use a 8mm socket to install the two supplied nut extensions. Torque to 4.5 ft lbs.



32. Install the supplied grommets into the light brackets as shown.



33. Use a Weather-Pack terminal disassembly tool to remove the light connector.

INSTALLATION GUIDE



34. Install the Baja Designs light onto the AO Mirror Brackets. Right side shown in photo.

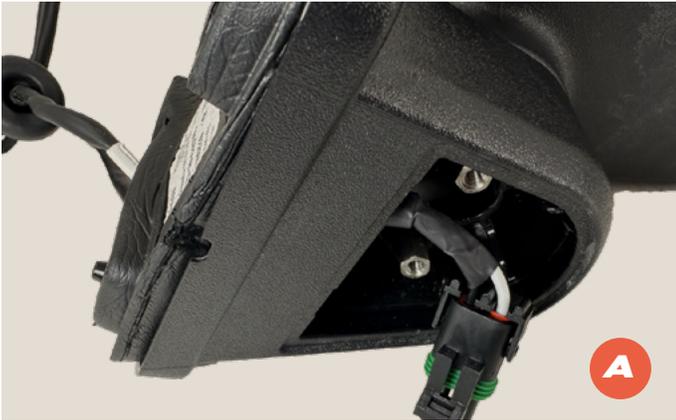


35 A/B. The Baja Design supplied wire harness has two male weather-pack light connectors. Cut the relay and fuse off the harness. The two male connectors and 7' of cable will be used to wire the lights.

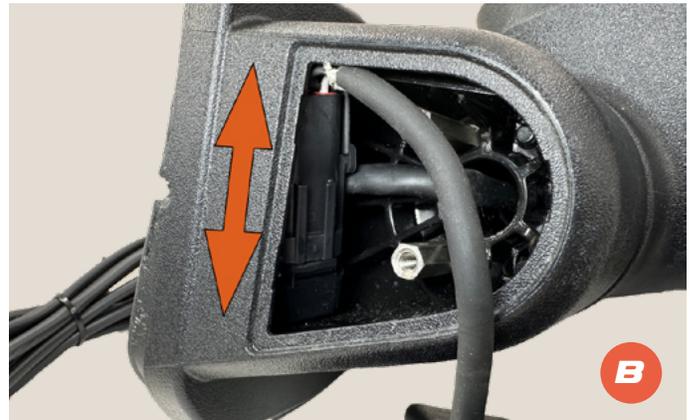


36. Remove the mirror seal as shown.

INSTALLATION GUIDE



37 A/B. Route one of the male connector cables through the bottom of the mirror and out the mount side. Leave about 2" of cable and the male connector in the lower mirror cavity. Re-install the mirror seal.



38 A/B. Re-install the female connector onto the light cable. Connect the light connector and the mirror connector together. Insert the light connectors in the mirror cavity parallel to the mirror mounting surface.



39. Install the light/bracket assembly to the bottom of the mirror using the factory screws. Torque to 4.5 ft lbs.

40. The complete assembly is now ready to be installed. Repeat steps 30-39 on left side mirror.

INSTALLATION GUIDE



41. Remove the harness boot from the door.



42. Route a fish tape from the mirror mounting cable hole to the lower boot opening.



43. Attach the fish tape to the light cable and route the cable through the lower boot opening. Have someone hold the mirror assembly to avoid scratching the door paint. Install mirror using the factory screws. Replace clear hole stickers from step 26.



44 A/B. Remove the harness boot from the door jamb. Use the fish tape to route the light cable through the harness door boot and into the cab. Re-install both sides of harness boot.

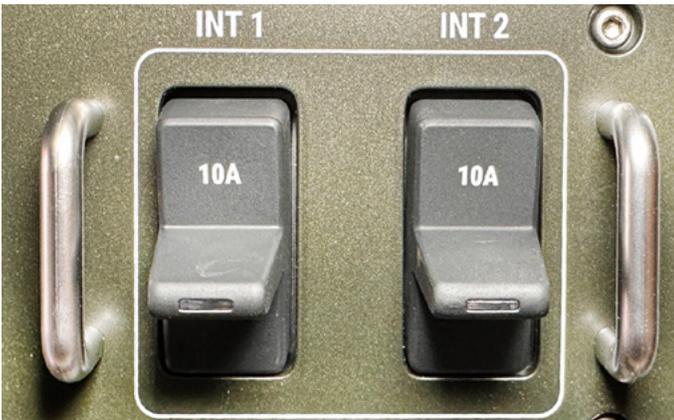


INSTALLATION GUIDE



45 A/B. PASSENGER SIDE: Cut the cable sleeve to expose the black wire. Measure and cut the black wire so that it can be attached to the factory stud located at the interior kick panel. Install a piece of the supplied shrink wrap, strip wire and install one of the supplied wire rings. Use a 10mm socket to install the wire ring onto the factory stud.

DRIVER SIDE: The ground stud on the driver side is located on the firewall behind the inner footrest panel.



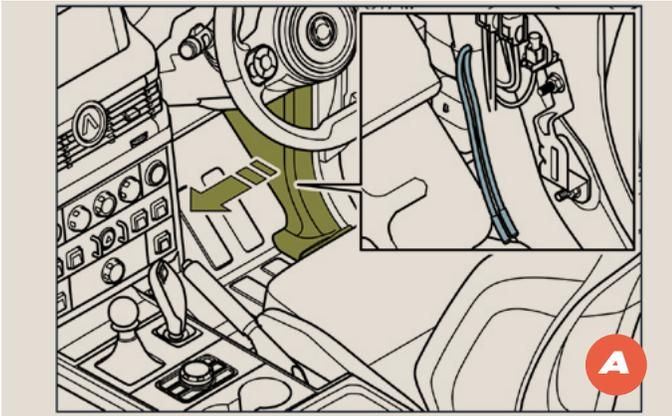
FACTORY AUXILIARY SWITCH PANEL WIRING OPTION

46. Your Grenadier comes with two interior pre-wired 10 Amp electrical provisions, one each in the driver and front passenger foot-wells. The interior 1 and 2 provisions (Switch 'INT 1' and 'INT 2' on the Overhead Control Panel), both terminate in the front left and right foot-wells respectively. They can be found behind the foot-well side trim piece and are wiring preparations consisting of a heat shrunk cable end, from which 3rd party devices can be powered.



47A/B. The INT 1 switch wiring is located at the driver side foot well. If using the INT 1 switch, connect both the right and left light white wires to the purple with white stripe wire.

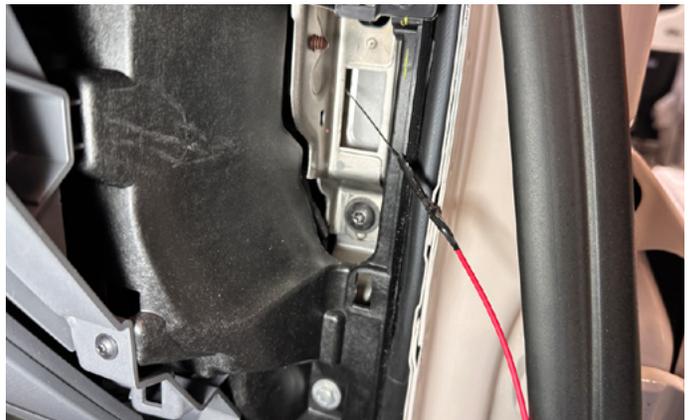
INSTALLATION GUIDE



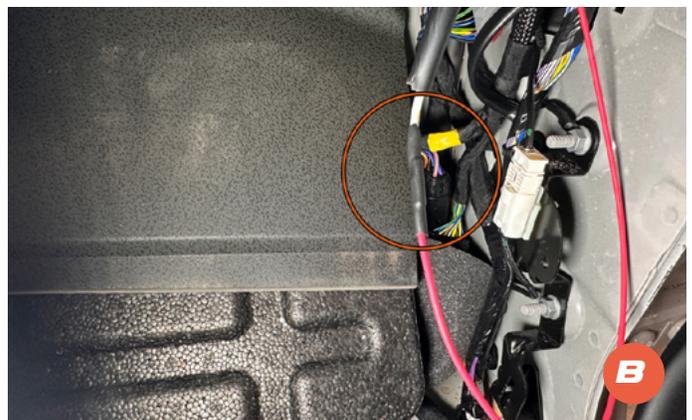
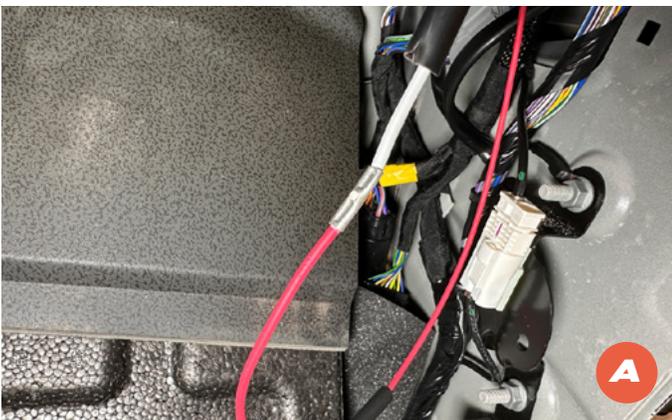
48 A/B. The INT 2 switch wiring is in the passenger side foot well. If using the INT 2 switch, connect both the right and left light white wires to the purple with white stripe wire.



49. Run a fish tape from the passenger side center panel to the driver side.



50. Attach the supplied red wire to the fish tape and route wire to the driver side.



51 A/B. In this example, we are using switch INT 1 so the red wire will be connected to the white wire of the passenger side light using the supplied butt connector and shrink tube.

INSTALLATION GUIDE



52 A/B. Use wire ties to attach the red wire safely behind the dash. Keep wires from any moving components such as brake pedal and accelerator pedal. Cut driver side light white wire and added red wire to desired length and connect to the INT 1 auxiliary provision purple w/white stripe wire. Use supplied butt connector and shrink tube.

SWITCH-PRO WIRING OPTION. Refer to the Switch-Pro instructions when using a Switch-Pro SP9100-D or RCR-Force 12.



INEOS
GRENA DIER



AGILE
OFFROAD



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



agileoffroad.com



info@agileoffroad.com



619-328-1297