



Installation Guide

***13-16 Scion FR-S / 17-20 Toyota 86 / 13-20 Subaru BRZ
LUXX-Series Headlights***



This installation guide provides a detailed, step-by-step process for installing your new Alpharex Headlights on a 13-16 Scion FR-S /17-20 Toyota 86 / 13-20 Subaru BRZ LUXX-Series.

DO NOT USE DIELECTRIC GREASE / REMOVE ANY DEBRIS OR ANY PRE-EXISTING GREASE OR WEATHER SEALANT

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Tools needed:

10mm Socket/Ratchet
Panel/Clip remover



Installation time: 2 - 3 hours



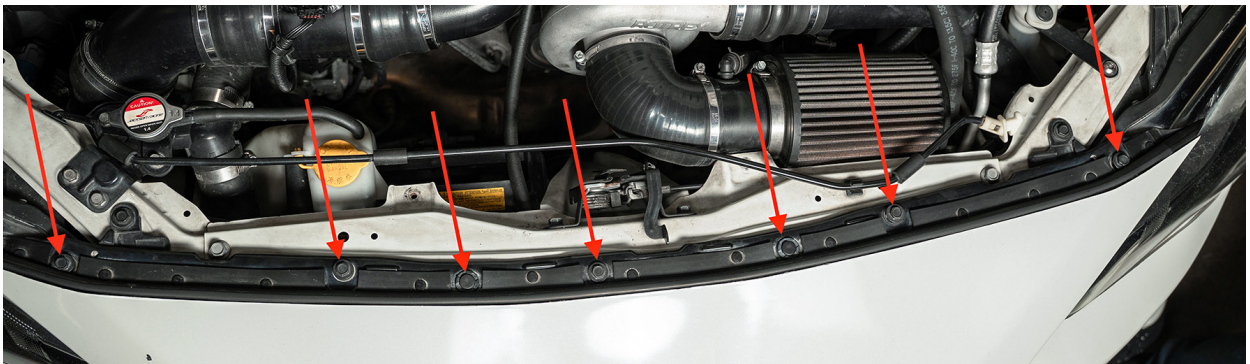
Difficulty Level: 2.5/5

Step 1 : Uninstall OEM Headlights

- To begin the installation of your new Alpharex headlights, open the hood and locate the plastic trim panel along the top of the front bumper.



- Now that you've located the trim piece there will be five (5) 10mm fasteners and two (2) clips that will need to be removed.



- Remove all seven (7) fasteners securing the plastic trim panel in place. Once all fasteners have been removed, carefully lift and remove the trim panel from the vehicle.



Step 1 : Uninstall OEM Headlights

- With the upper trim panel removed, we can move to the side marker area of the bumper. Begin by carefully releasing the side marker from the bumper.



- Once removed, twist the bulb socket to unlock it from the housing, then carefully remove the bulb socket.



- With the side marker removed, we now have access to one of the bumper retaining clips. Using a clip removal tool, carefully release and remove the retaining clip from the bumper.



Step 1 : Uninstall OEM Headlights

- We can move to the inside of the fender. Locate and remove the three (3) retaining clips securing the fender liner in place.



- Now move underneath the vehicle and locate the seven (7) plastic retaining clips positioned around the perimeter of the underbody panels. Remove all seven clips to continue with the bumper removal.



- While underneath the vehicle, locate and remove the two (2) bolts securing the bumper using a 10mm socket. These are the only two metal fasteners located along the underside of the bumper.



Step 1 : Uninstall OEM Headlights

- With all the fasteners removed, we can now carefully pull the bumper forward just enough to access and remove the turn signals and fog lights.

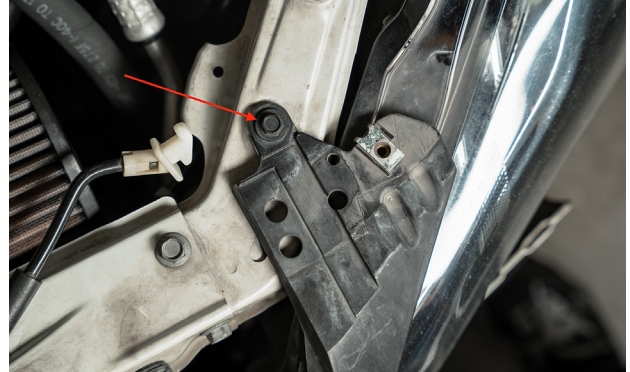


- With the turn signals and fog lights disconnected, we can now carefully remove the front bumper completely from the vehicle.

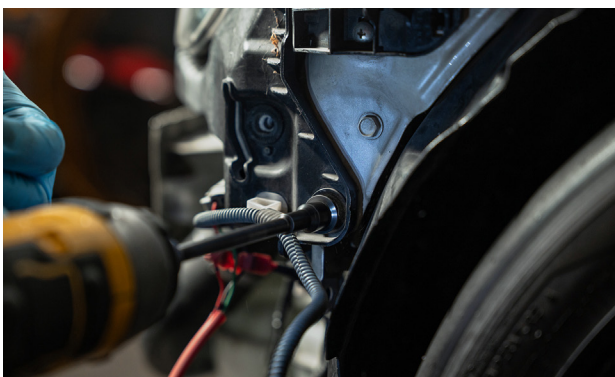


Step 1 : Uninstall OEM Headlights

- We can now begin removing the OEM headlights. Start by removing the headlight mounting bracket, which is secured by three (3) 10mm fasteners.



- Once located, remove all three (3) 10mm fasteners. With the fasteners removed, carefully remove the headlight mounting bracket from the vehicle.



Step 1 : Uninstall OEM Headlights

- To remove the headlight, locate and remove the single retaining clip and one (1) 10mm fastener securing it in place. Next, pull the locking tab upward to release the headlight. Once released, carefully pull the headlight assembly out of the vehicle.



- Depending on your vehicle's model year, there will be either one (1) or two (2) connectors attached to the back of the OEM headlight. Vehicles equipped with an OEM headlight leveling motor will have an additional connector. Disconnect the applicable connector(s), then fully remove the OEM headlight from the vehicle.



- We have completed the removal of the OEM headlights and are ready to begin installing the new Alpharex headlights.

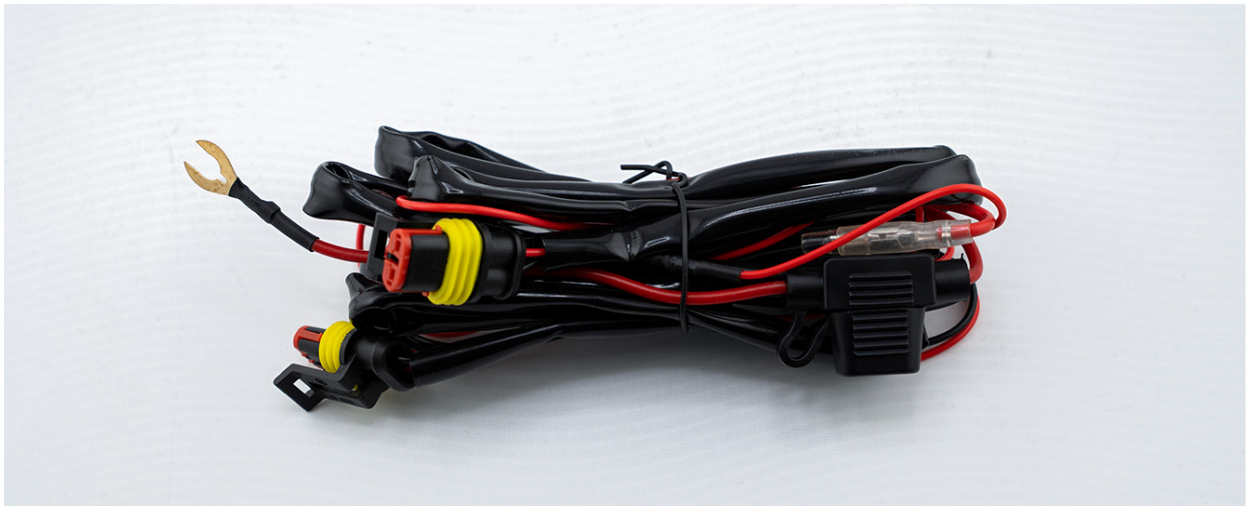


Step 2: Install Alpharex Headlights

- With the OEM headlights removed, we can now begin installing our new Alpharex headlights.

Install DRL Harness:

- To begin installing your new Alpharex headlights, we will first install the included DRL harness. This harness connects the headlights to the battery and fuse box, providing full-time DRL functionality and enabling the startup sequence.
- **NOTE: The DRL harness must be installed for proper headlight functionality.**

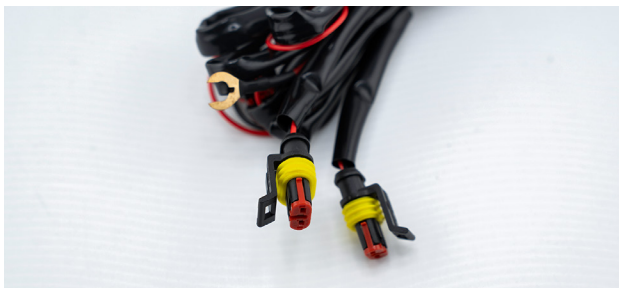


- Begin by unraveling the DRL harness and locating the red and black wires with C-shaped terminal connectors. Connect the **red wire to the positive (+) battery terminal** and the **black wire to the negative (-) battery terminal**.



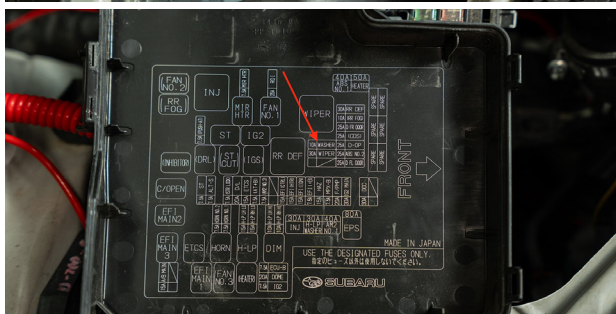
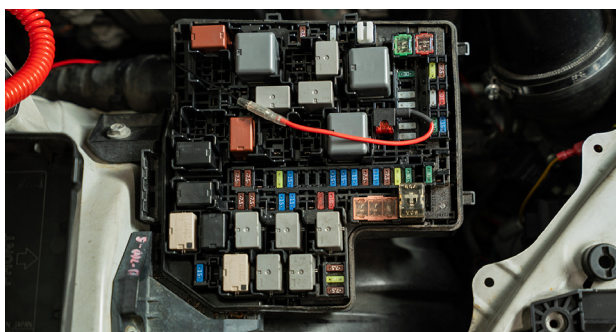
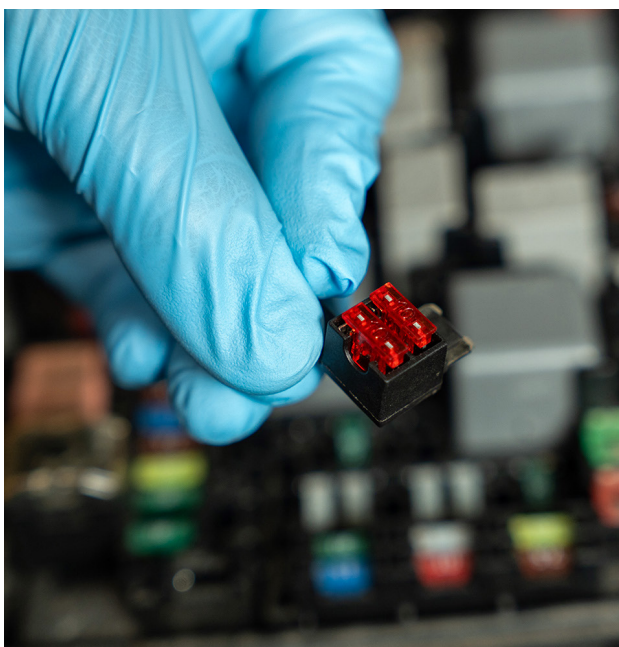
Step 2: Install Alpharex Headlights

- Next, locate the two (2) two-prong connectors on the DRL harness. Keep the **shorter connector on the battery side**, then route the **longer connector across the front of the vehicle to the opposite headlight**. When routing the harness, keep it away from any hot, sharp, or moving components that could pinch or damage the wiring.



- With both two-prong connectors routed into position, we can leave them in place until the headlights are installed. Next, we can move on to installing the fuse tap into the fuse box.

- Next, locate the fuse tap and find **Washer fuse (10A)** in the fuse box. Remove the factory fuse from this location and install it into the **second slot on the fuse tap**. Once the fuse is secured, insert the fuse tap into the original **Washer fuse (10A)** Location.



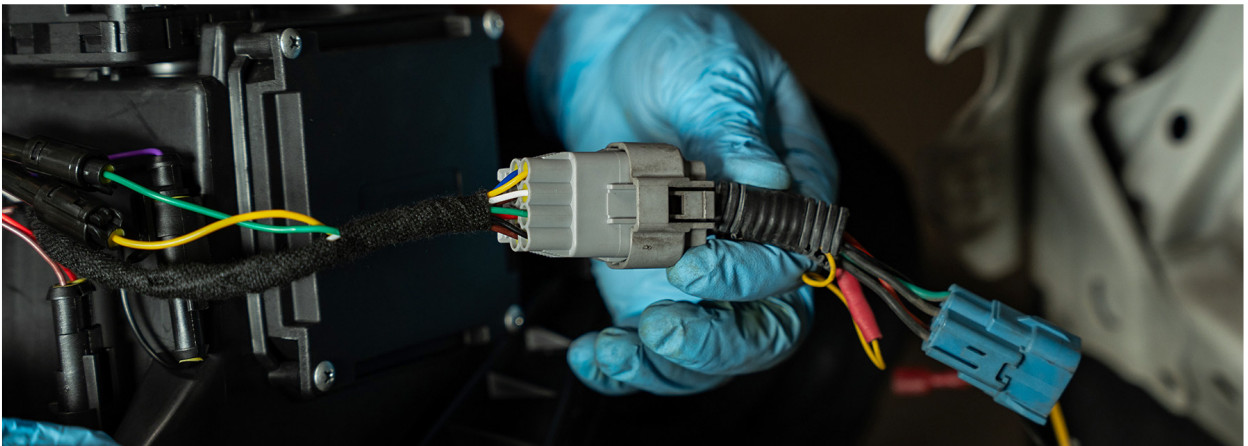
Step 2: Install Alpharex Headlights

- With the DRL harness installation complete, we can now move on to the next step of the installation.

Headlight Installation Continued:

With the DRL harness in place, we can now continue with the installation of our new Alpharex headlights!

- Begin by locating your new AlphaRex headlight and connect the vehicle's single factory connector to the back of the headlight. Make sure the connector is fully seated and securely locked into place.



- Next, connect the **DRL harness** to the headlights using the two-prong connector shown below. Ensure the connector is fully seated and securely connected.



Step 2: Install Alpharex Headlights

- You will also notice three additional connections on the back of the headlight: a **green wire, yellow wire, and blue-to-black connection**. These connections allow you to customize certain headlight functions based on your preference. Each function can be easily adjusted later, even with the headlights fully installed.



- Blue-to-Black Connection:
 - **Connected:** White DRL
 - **Disconnected:** Amber DRL
- Green Connection:
 - **Connected:** Sequential Turn Signal
 - **Disconnected:** Solid Turn Signal
- Yellow Connection:
 - **Connected:** TBD
 - **Disconnected:** TBD
- Once you have selected your preferred headlight settings, we can now proceed with fully installing the new Alpharex headlight into the vehicle.



Step 2: Install Alpharex Headlights

- From this point forward, we can complete the installation by reversing the removal process and reinstalling all previously removed components.



Step 2: Install Alpharex Headlights

- With all components reinstalled and securely in place, the installation of your new AlphaRex headlights is now complete!



How to adjust Headlight beam:

