Sui-Projector
7 Inch Universal LED Headlights with Halo Ring Daytime Running Lights.
SuiTech
Headlights Installation Instructions

Congratulations on the purchase of your new set of LED Headlights! We are confident that our technology will bring you complete satisfaction. Please take the time to read this User Guide to ensure that your LED Headlights are properly installed. Our headlights were designed for UNIVERSAL USE; therefore, we do not provide specific installation instructions for every vehicle. Please consult your vehicle Owner’s Manual for specific information.

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Package Contents:
The package includes the following components:

Two (2) LED Headlights

Two (2) H4-To-H13 Adapter

One (1) DRL Harness

Technical Notes:
SUITECH’s Integrated Anti-Flickering System: LED Lights normally consume less power than their incandescent counterparts which may falsely trigger your vehicle’s "Headlight Burnout" Alert, and cause the light on the headlight to flicker very rapidly. To avoid this problem, our headlight was designed with an internal power stabilization system. Although our headlights are designed with an internal Anti-Flickering system, keep in consideration that some vehicles might produce heavier power fluctuation than others; in these cases, a more robust (external) and powerful Anti-Flicker module might be needed.
Disassembly

1. Remove the front grille in order to gain access to the front headlights. To do this please follow these steps:
   1.1. Remove all six (6) fasteners from the top of grill. Do not discard the fasteners. See Figure 1
   1.2. Remove the grille by starting in the lower left corner and slowly pulling towards the front of the vehicle.
   1.3. Do not pull too aggressively, just apply gentle pressure and the grille should come off easily.

![Figure 1]

2. Once the grille is removed you can begin to remove the old headlights. When you are ready, proceed with
   the following steps for each headlight:
   2.1. Using the appropriate tool (usually an Allen wrench or Torx tool), remove all four (4) screws from the
        holding bracket. Do not discard screws or the holding brackets. See Figure 2
   2.2. Remove the old headlight and unplug it from the wiring harness. See Figure 3

![Figure 2]

![Figure 3]
3. Once the old headlight is removed you can begin to install the new LED headlight. Please note that the SuiTech LED Headlight may require the use of an adapter depending on the type of connector used in your vehicle. To install the new LED Headlight please proceed with the following steps:

3.1. Plug the LED headlight’s H4 connector into the old headlight connector. If it is not an H4 connector, then use the H13 TO H4 Adapter IF NEEDED. See Figure 4 and Figure 5

3.2. Before you install the headlight back into the holder it is recommended that if your vehicle is NOT equipped with a Daytime Running Light (DRL) hook up, you should connect the enclosed DRL Harness to power the Halo Lights. DRL HARNESS CONNECTION INSTRUCTIONS TO FUSEBOX ARE ON PAGE 7

3.3. To connect the DRL harness simply plug the RED wire terminal on the headlight to the end of the DRL Harness. Note: the harness has a single connector for each LED headlight. In order to simplify the connection to the fuse panel we suggest that the single wire connector (arrow 1) be connected to the "passenger side" LED headlight and the double wire connector (arrow 2) be connected to the "driver" side LED headlight. See Figure 7

3.4. Once connected just thread the harness through any available space that will get it near the engine compartment fuse panel because that is where the harness will be connected (arrow 3). See Figure 7
3.5. Now install the LED headlight back into the vehicle headlight bucket. Please Note: Don’t worry about installing the headlights incorrectly. The headlights are keyed to fit correctly into the bucket in the "right" position. See Figure 8

3.6. Place the headlight holding bracket onto the LED headlight and reuse the set of four (4) screws to secure it to the headlight bucket. See Figure 9

**Figure 8**

**Figure 9**

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**Reassembly**

1. Now that you have one LED headlight completely installed you can move on to the next LED headlight and follow steps 2 and 3 to remove and install it in the same fashion.

2. Once both LED headlights are installed, you can now reinstall the front grille by first placing the tabs at the bottom of the grille into the slots in the body of the vehicle and then gently pushing it up and aligning the holes for the (6) connectors. See Figure 10

**Figure 10**
DRL Harness Connection to FUSEBOX

1. To connect the DRL Harness to the fuse panel in the engine compartment, start by removing the cover of the fuse panel. Next, search for the Fuse labeled "Outlet 1" located inside your fuse box.

2. Using a knife, cut a slot on the side of the fuse box to open a path for the DRL Harness wire. See Figure 11

3. Remove the fuse using the fuse puller tool or needle nose pliers and install it on the fuse-tap (The fuse-tap requires two fuses, please MATCH the Amperage of the fuse you removed). See Figure 12

4. Plug the fuse-tap into the fuse box (in the place of "Outlet 1") See Figure 13

5. Recheck that the RED wire terminals on the LED headlights are still connected to the ends of the DRL Harness (this was done in step 3.3). See Figure 7 for connector identification

6. If all of the electrical connections are correct then you should be able to verify the following functions operate correctly:
   6.1. The LED headlight's high and low beams operate correctly.
       6.1.1. If there is a problem, then check the connections between the LED headlight and the ADAPTERS.
   6.2. The Daytime Running Lights should come on when the vehicle is running, and turn off when your vehicle is off.
       6.2.1. If there is a problem, then relocate the DRL fuse tap to another fuse output.
If you also purchased a set of DRL Turn Signal Wiring, please follow the instructions below to install.

1. Locate the three wires behind your turn signal lights.
2. Once you locate the turn signal wires, you will need to clamp the RED Wire-Tap (Arrow 1) on the signal wire (striped white wire).
3. Plug the Red Terminal of the Yellow wire (Arrow 2) to the Red Wire-Tap (Arrow 1)
4. The other end (Arrow 3) of the yellow wire will be connected to your headlight.