



## Ambient door lighting kit 2 Chase mini strips with controllers

Visit [HeiseLED.com](https://www.HeiseLED.com) to view the available installation parts and accessories.

Watch a Complete Installation of this product on: [youtube.com](https://www.youtube.com)



### Part Components

- Left door
  - (1) 3ft Chase LED ambient mini strips with 3ft cable
  - (1) Heise Connect chase low voltage controller
  - (1) RF remotes
  - (1) Adhesive pad
  - (2) Cable ties
- Right door
  - (1) 3ft Chase LED ambient mini strips with 3ft cable
  - (1) Heise Connect chase low voltage controller
  - (1) RF remotes
  - (1) Adhesive pad
  - (2) Cable ties

### Product Features

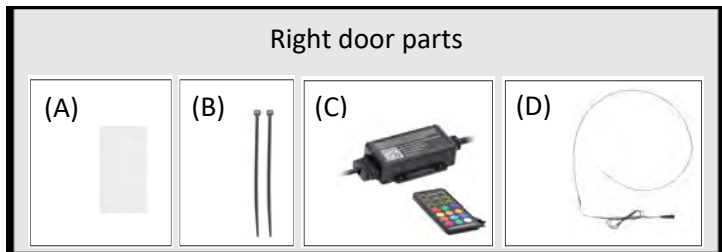
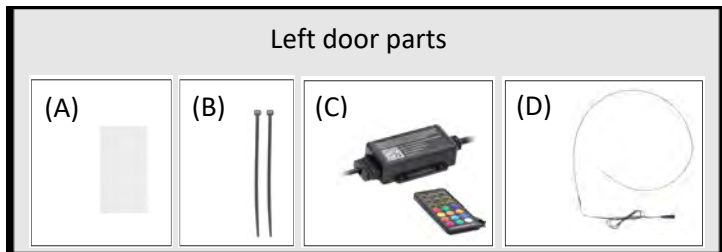
- Quickly and easily add brilliant ambient lighting to any vehicle with this two door kit. This kit includes two chasing LED mini strips, along with two Heise Connect Controllers and RF remotes. Designed to add accent to door panels and simplify installation by having a controller in each door. Each light has ninety four segments for extremely fluid effects, that are controlled via the Heise Connect mobile app.
- Cut to length
- For interior use

### Tools Needed

- Panel pry tool
- Marker
- Scissors
- Wire stripper
- Crimper

### What's in the box:

(A) Adhesive pad (B) Cable ties (C) Heise connect controller and remote, (D) Ambient LED strip

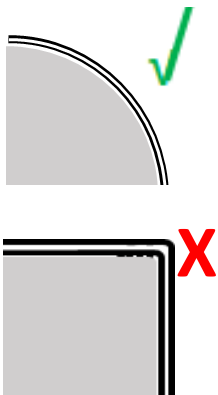


## Notes before installing

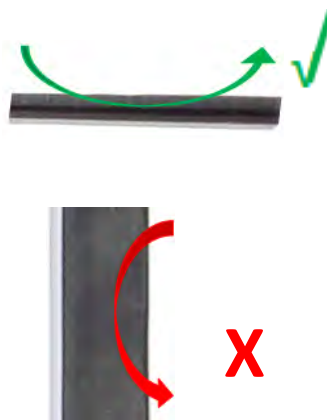
- Do not cut the 3 wire cable on the strip, as the wires are not marked. This makes it easy to cross wires when reattaching, which will cause immediate failure of the strip.



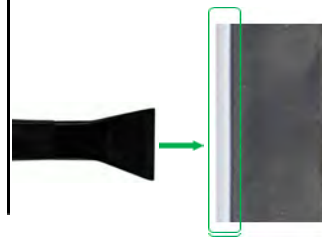
- Maximum bend radius is 2.75". Bending the strip around a sharper curve will break the strip and cause immediate failure.



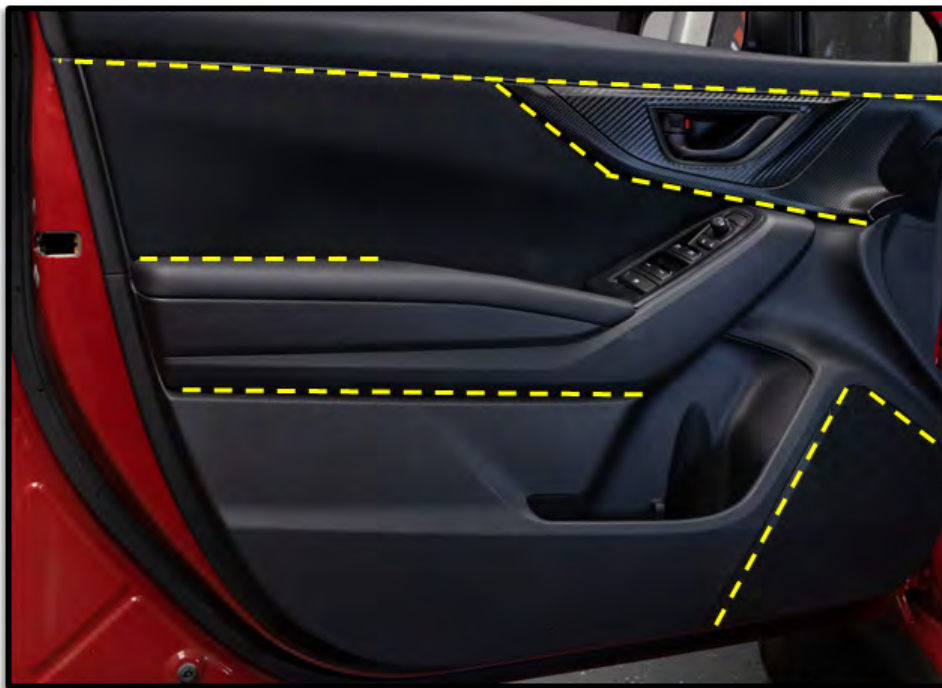
- The mini strip will only flex perpendicular to the light pipe.



- When installing the mini strips, only apply pressure to the exposed light pipe. Applying force to the taped area may cause damage to the LEDs under the tape.



- Find locations to install the strips. Good locations have these attributes:
  - Not in the driver line of sight
  - Does not have bends exceeding the 2.75" radius maximum
  - Area is flexible
  - Gap large enough to fit strip (strip is 3/32" thick and 3/16" deep)



\*Note, one piece door panels found on many modern vehicles will not allow the press fit installation, as shown in this guide. These types of door panels can be done but will require custom modifications that should be performed by a trained professional.



(example of one piece panel)

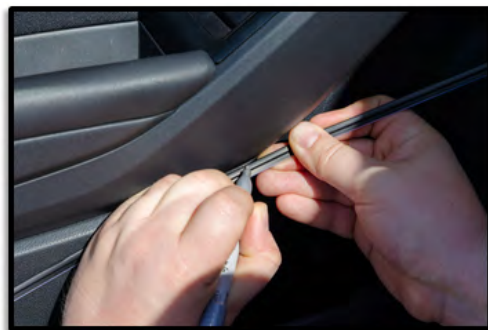
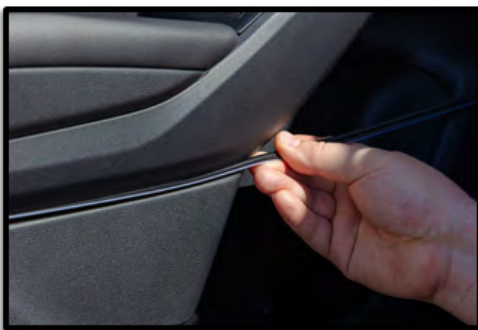
- Look up door disassembly for the vehicle. This information can be found in a service manual. Follow the guide and remove the door panels that the mini strips will be installed on.



- Inspect the door panel and determine how to route the wire from the front of the panel to the rear of the panel. Look for seams, gaps, and layered panels. You may need to feed the strip through a gap, from the rear of the panel to the front, instead of trying to route the connector head through the panel. If no existing option is available for routing the wire from the strip location, then a hidden hole (5/16") will need to be drilled in the panel. Sometimes, an alternate location from the original ideal for the strip will provide a better installation and finished product.



- Once the location and routing has been determined, position the strip over the desired location in the orientation that the strip will be installed. Make sure that to allow for the wires connecting to the strip, so that they will not be pinched or stressed.
- Using a marker (silver color works well), mark the point where the strip needs to be cut to fit the location. Be careful not to mark the vehicle in the process. Also, make note if a straight cut or angled cut would be a better fit. If making an angled cut, mark the angle on the strip. With a pair of scissors, cut the strip as marked.



- Install the cut strip, route the strip through the panel first if needed. Position the cut strip in the location as it was previously. Beginning at that start of the strip (wire end), press the strip into the gap. Using a pry tool to spread the panels will assist in setting the strip. Pressure can be applied with the pry tool to the light pipe. Be careful not to stress the strip during this process. Once the strip is set, use the same technique to tuck the strip's wire.

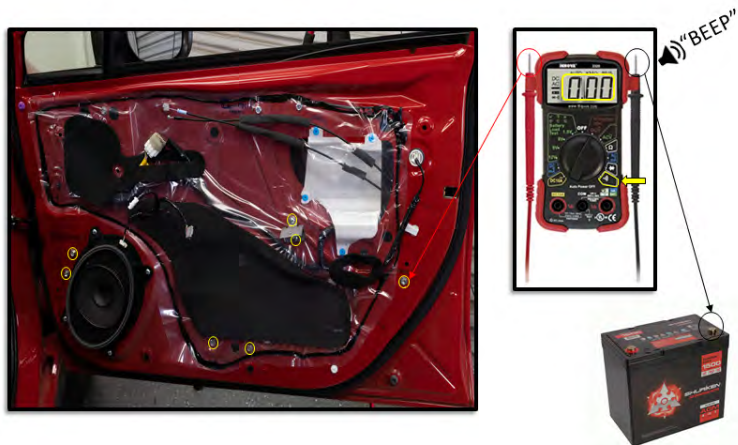




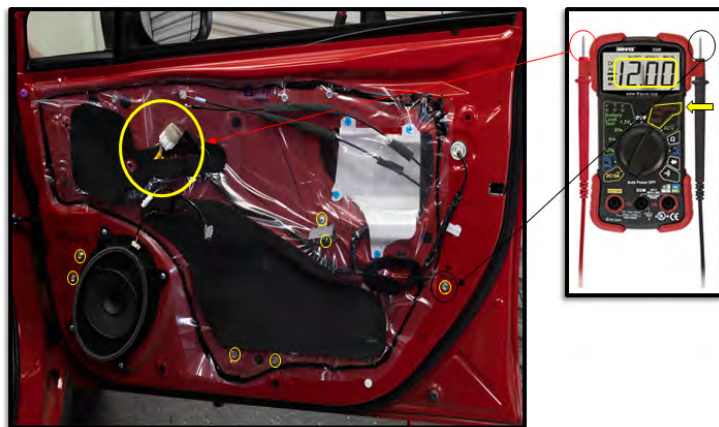
- Find a suitable and safe location to mount the controller. Verify that the chosen location will not interfere with re-installation of the door panel. Clean the location with rubbing alcohol and let dry. Then, apply the double sided pad to the rear of the controller and stick in place.



- The larger cable extending from the controller is the power connections. The black wire should be connected to a factory chassis ground point. Factory bolts inside the door generally will suffice. A multimeter should be used to check the ground continuity.

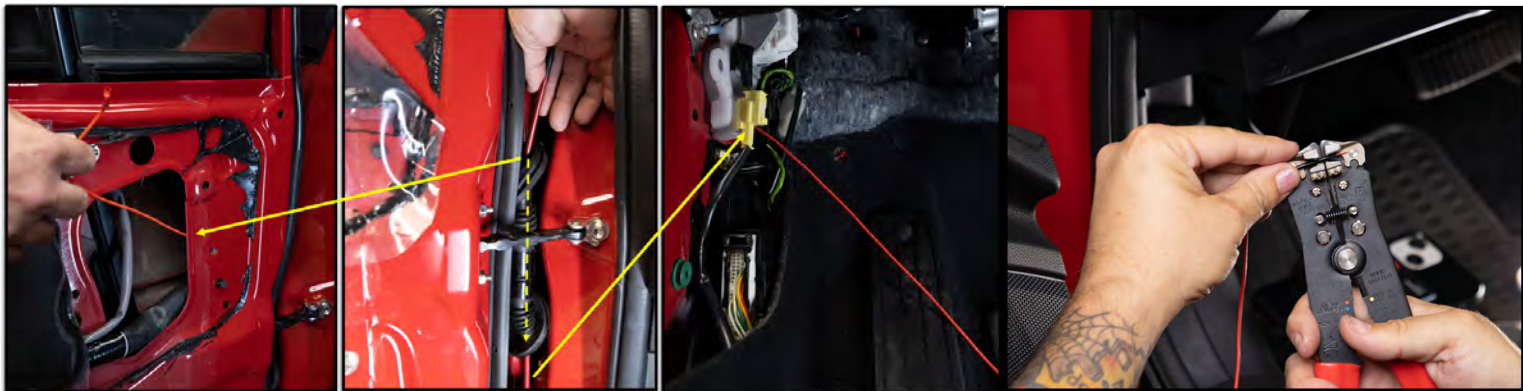


- The red wire should have a 10A fuse (sold separately) and should be connected to a switched power source. You can refer to a service manual to identify if there is a suitable circuit available in the door, and if so, determine the wire color and location. A multimeter (DCV setting) should be used to confirm the wire. Connect the red probe to the wire in question and the black probe to the ground located in the last step. Turn the key to the run position. The meter should go from 0 to 12V, then back to 0 when the key is turned to the off position.
- If a suitable circuit can not be found, move on to the second wiring option.





- For the second wiring option, you will need to extend the red wire and route it into the cabin. We recommend using an add-a-fuse adapter (not included) that matches your vehicle's fuse type, and connecting it to a switched circuit in the dash fuse box with a rating of 15A or higher. A service manual can be helpful in identifying an appropriate circuit.



### Add-a-fuse part numbers

ATC fuse: ATCDT-1

ATR fuse: ATRDT-1

ATM Mini fuse: ATMDT-1

ATM Low Profile fuse: ATMLPDT-1

- Locate the output connectors on the controller, and find the arrows marked on the heads. Align the arrow on the strip wire head with the arrow on the output head. To connect press the heads together firmly, then screw the retaining cap clockwise.



- Switch on vehicle, and test functionality. If everything is working correctly, reassemble any removed panels and/or gaskets. Then, repeat the process for the second door.



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