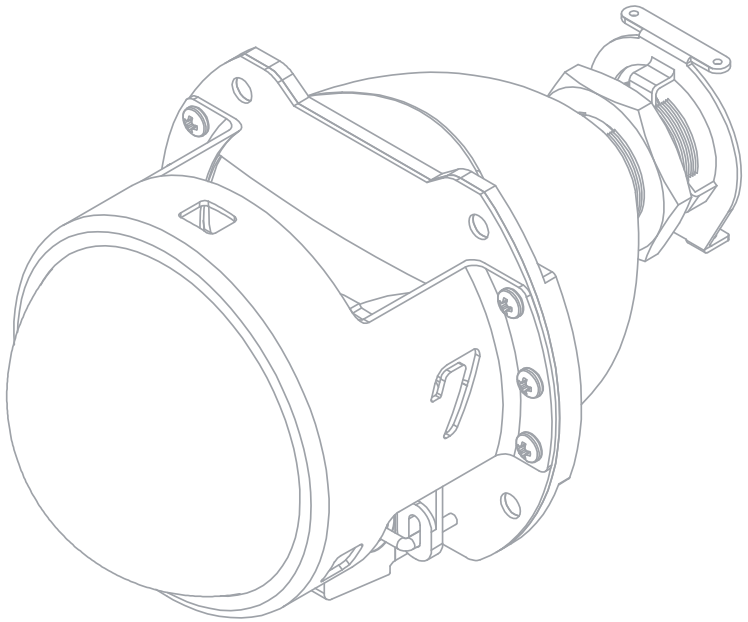
MORIMOTO

THE AUTOMOTIVE LIGHTING BENCHMARK



INSTALLATION GUIDE

MINI H1 7.0 STAGE III KIT

INFO@MORIMOTOHID.COM WWW.MORIMOTOHID.COM

WARNING: By reading this document, I agree it is only to be used as an educational guide. Morimoto Lighting makes no guarantee on any finished results, nor are they to be held responsible for any damage, misuse, or personal injuries. Use at your own risk. If you are unable to clearly understand and adapt the information below to your own application, professional installation is recommended.

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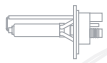
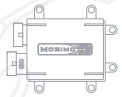
STANDARD PARTS

1x TEST LEAD


2x HID BULBS

2x BULB WIRES

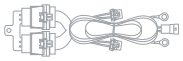

2x BALLAST COMPUTERS

2x AMP IGNITERS

2X HIGH BEAM SPLITTERS

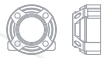
2X MINI H1 PROJECTORS

OPTIONAL PARTS


1x HD RELAY HARNESS

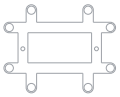
1x CAPACITOR LINK

2x CANBUS HARNESSES


2X PROJECTOR SHROUDS

2X SHROUD CENTRIC RINGS

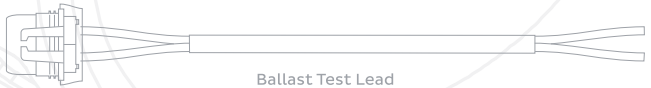
2X XSB 2.0 LED HALOS


2x CARBON FIBER BALLAST BRACKETS

1X RETRORUBBER SEALANT

SPECIAL NOTE:

The included ballast test lead is used for troubleshooting purposes only and is not part of the installation of this system. If necessary, the test lead can be plugged into the ballast input then connected to a 12V+ source to test the ballast. This must be done with the bulb connected to the ballast prior to applying power.


Ballast Test Lead

NOTE: System diagrams are to be used for reference purposes only. If you are unsure of the installation procedure for any individual part, review its install procedure prior to proceeding.

IDENTIFYING YOUR INSTALLATION TYPE

NOTE: There are three types of wiring installations with this system: EXTERNAL LOW-BEAM, INTERNAL LOW-BEAM, and DUAL FILAMENT. The installation guide that follows will cover all three types.

EXTERNAL LOW-BEAM

Separate low and high beam bulbs; When you can access the bulb from the back of the headlight without removing any caps or covers. Wiring for the bulb is visible and accessible outside of the housing.

PROCEED TO PAGE 4

INTERNAL LOW-BEAM

Separate low and high beam bulbs; When you must first remove a cap (generally plastic) to access the bulb. Inside the housing, there is wiring going to the bulb.

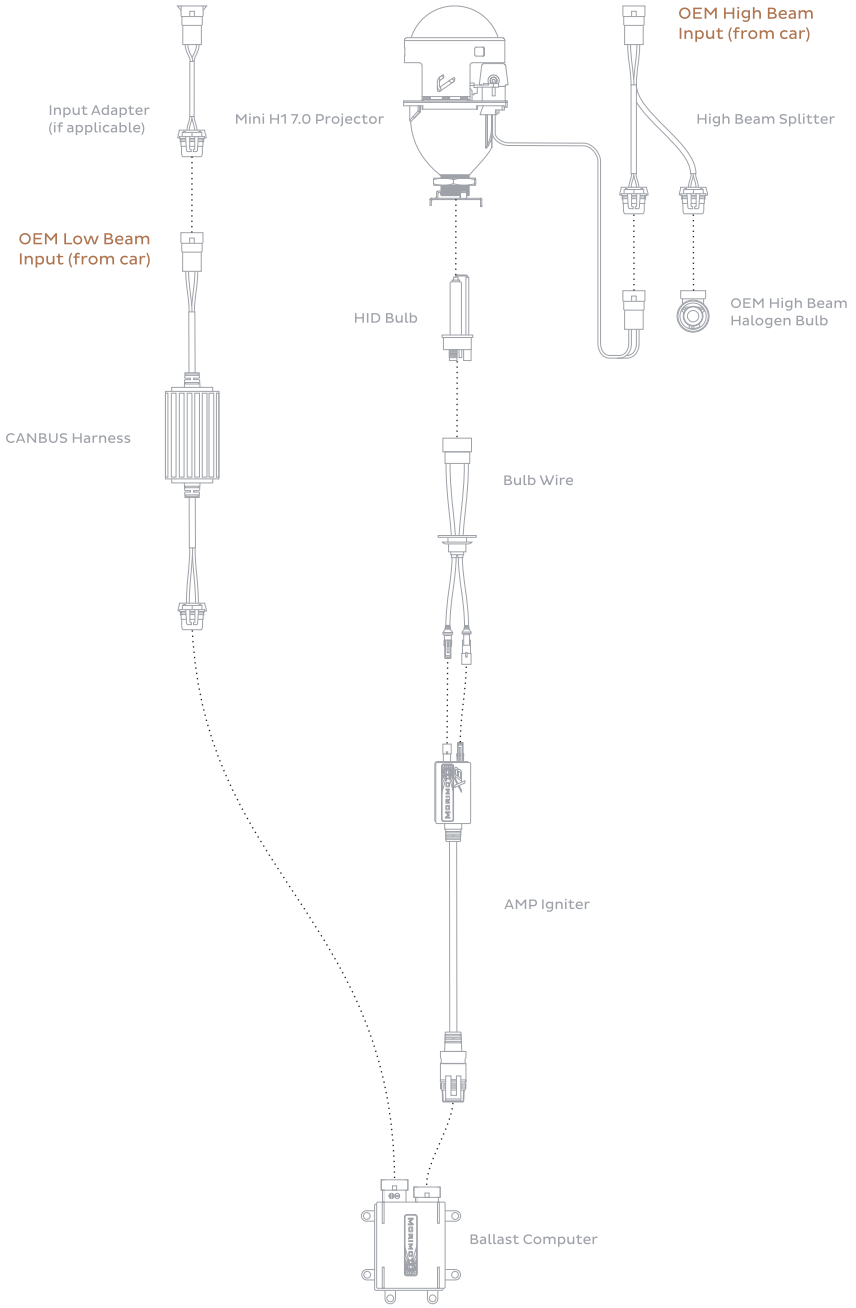
PROCEED TO PAGE 6

DUAL FILAMENT

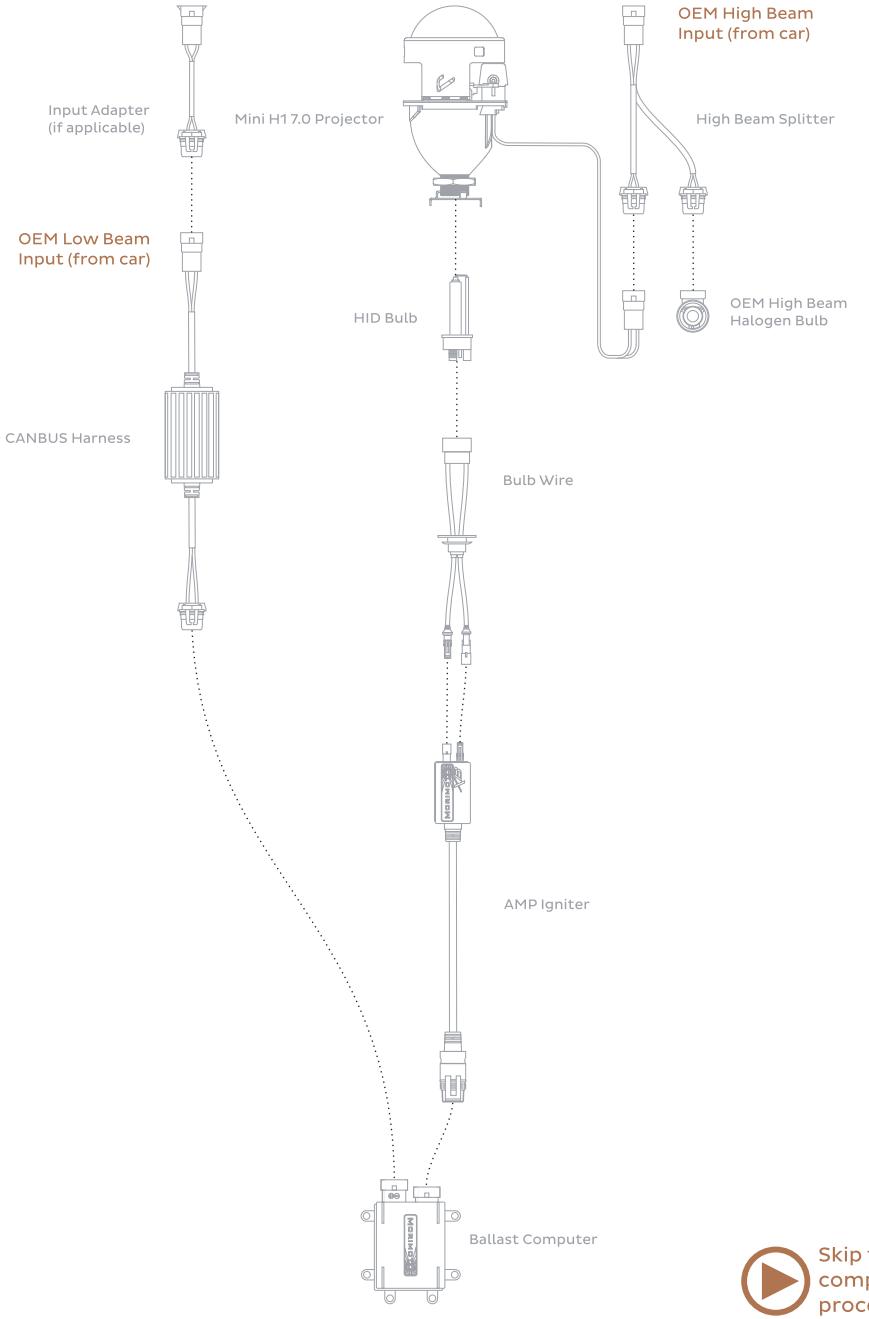
Shared low/high beam bulb; You can access the bulb from the back of the headlight without removing any caps or covers. Wiring for the bulb is visible and accessible outside of the housing.

PROCEED TO PAGE 8

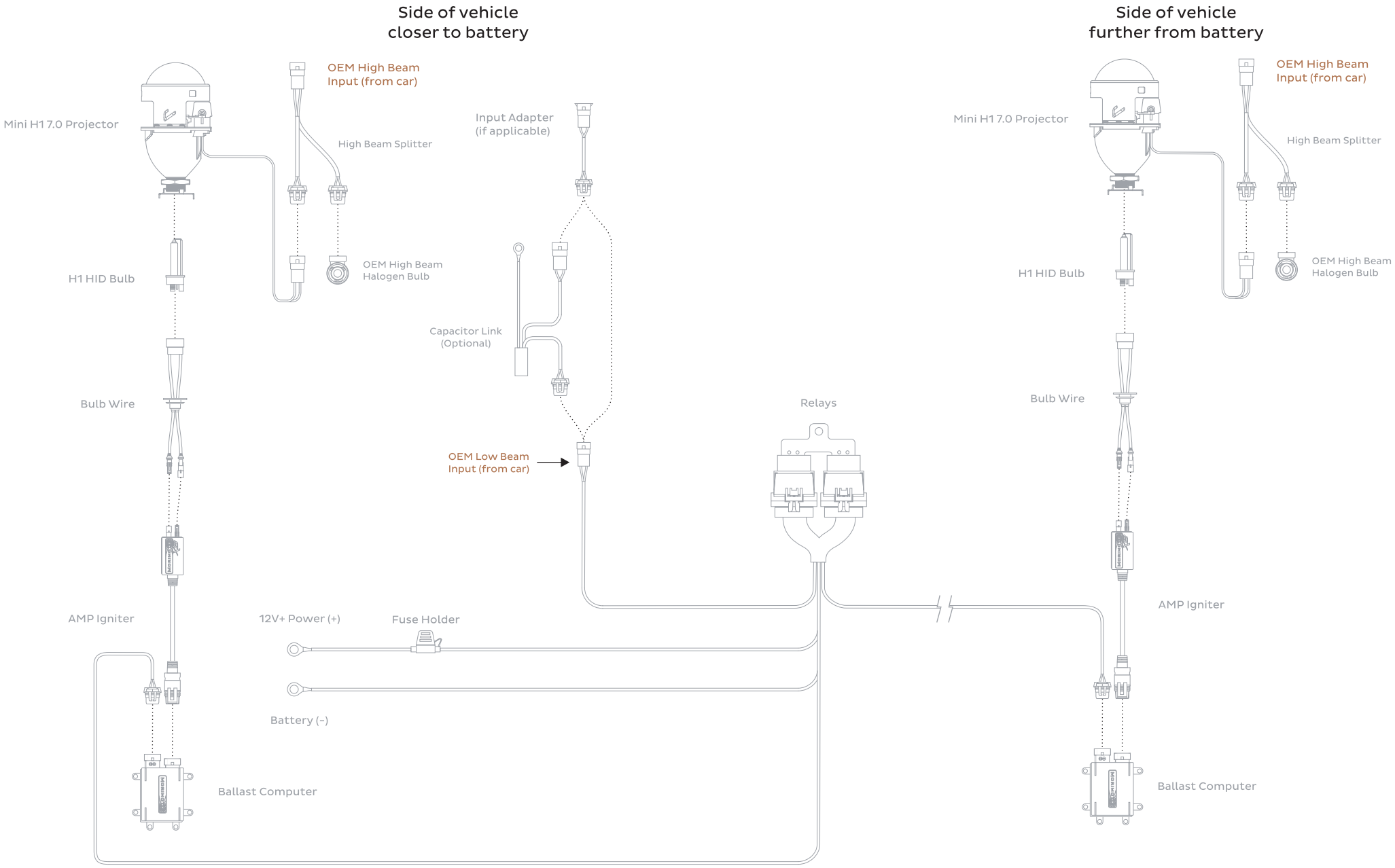
Right Side of Vehicle



Left Side of Vehicle

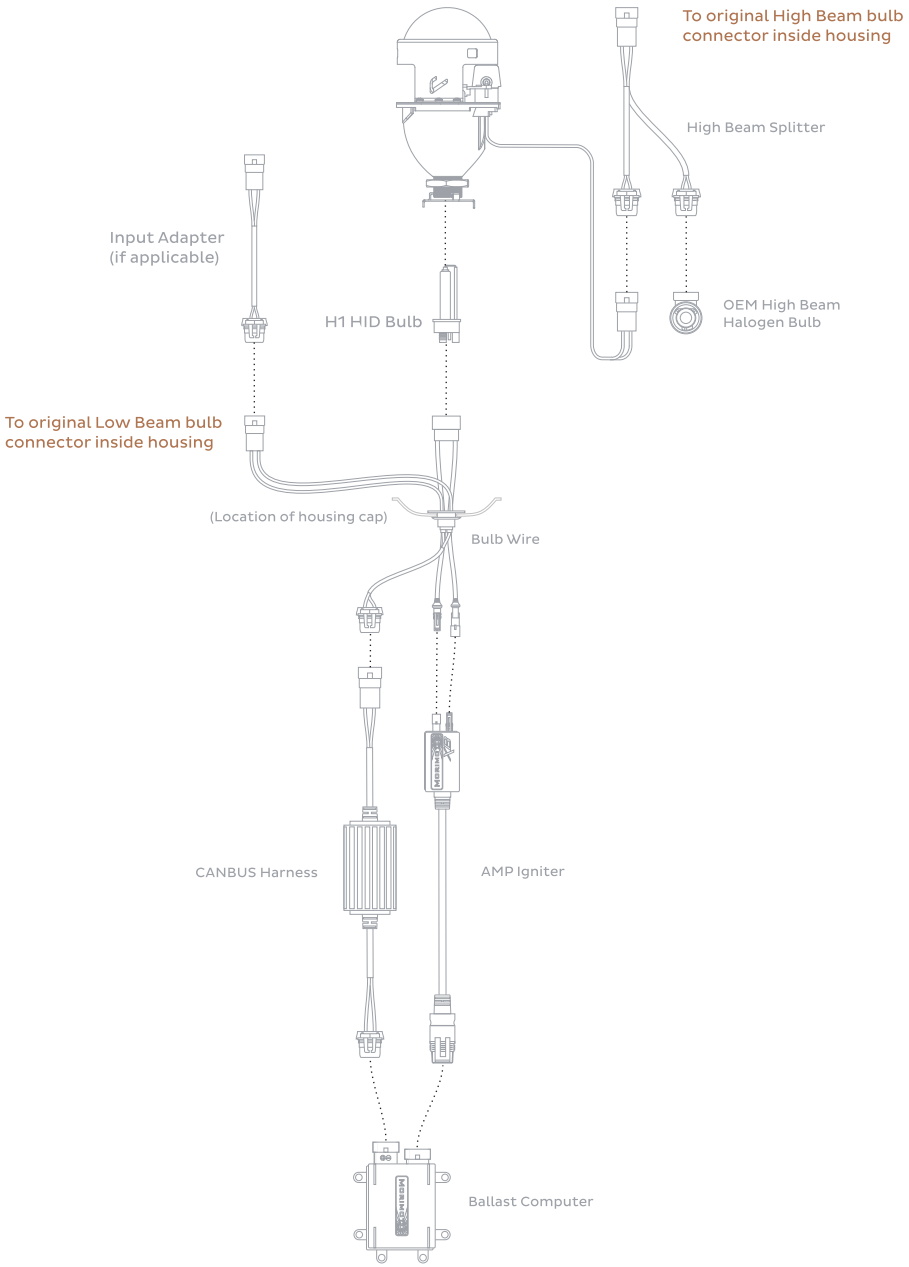


Skip to Page 10 for component-specific procedures

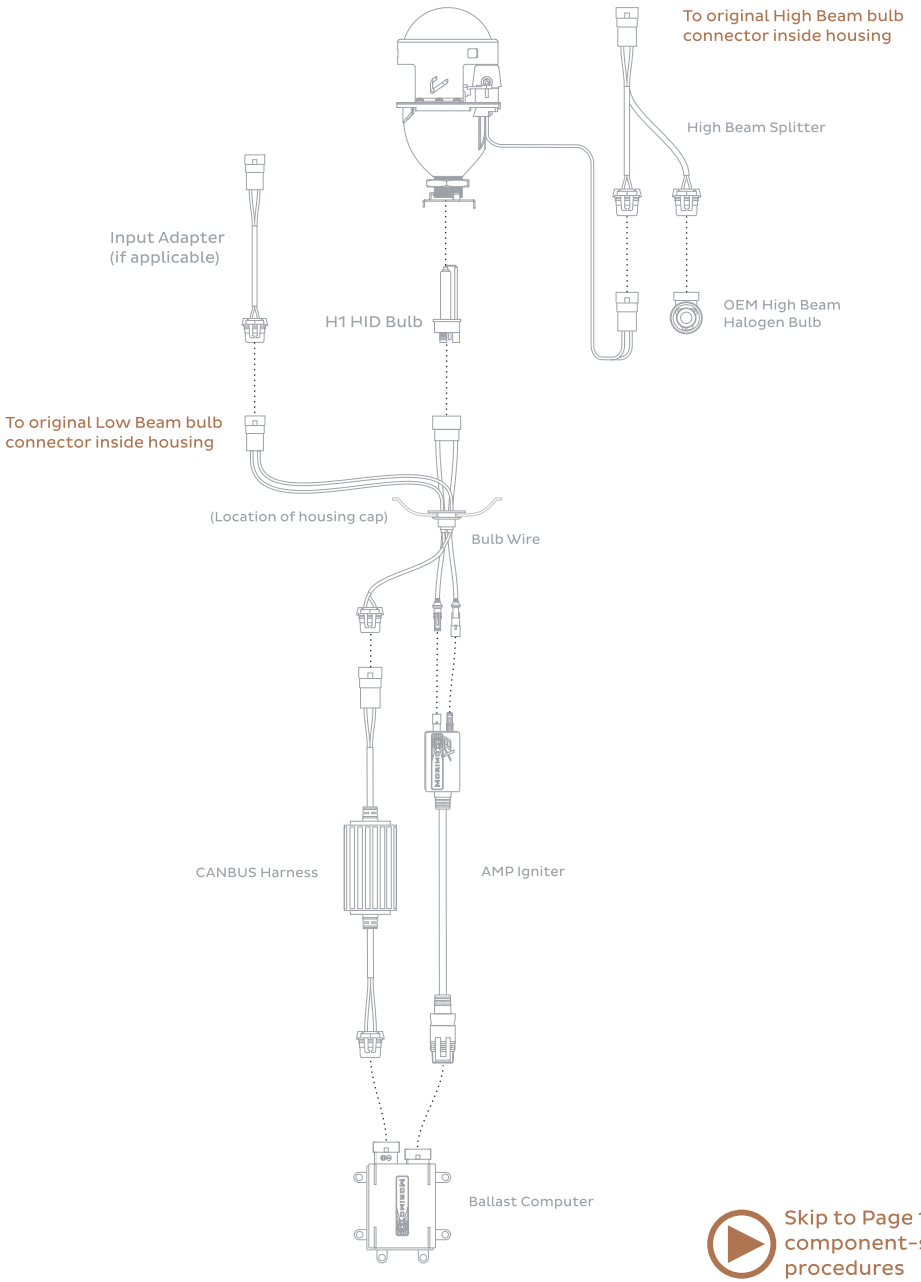


Skip to Page 10 for component-specific procedures

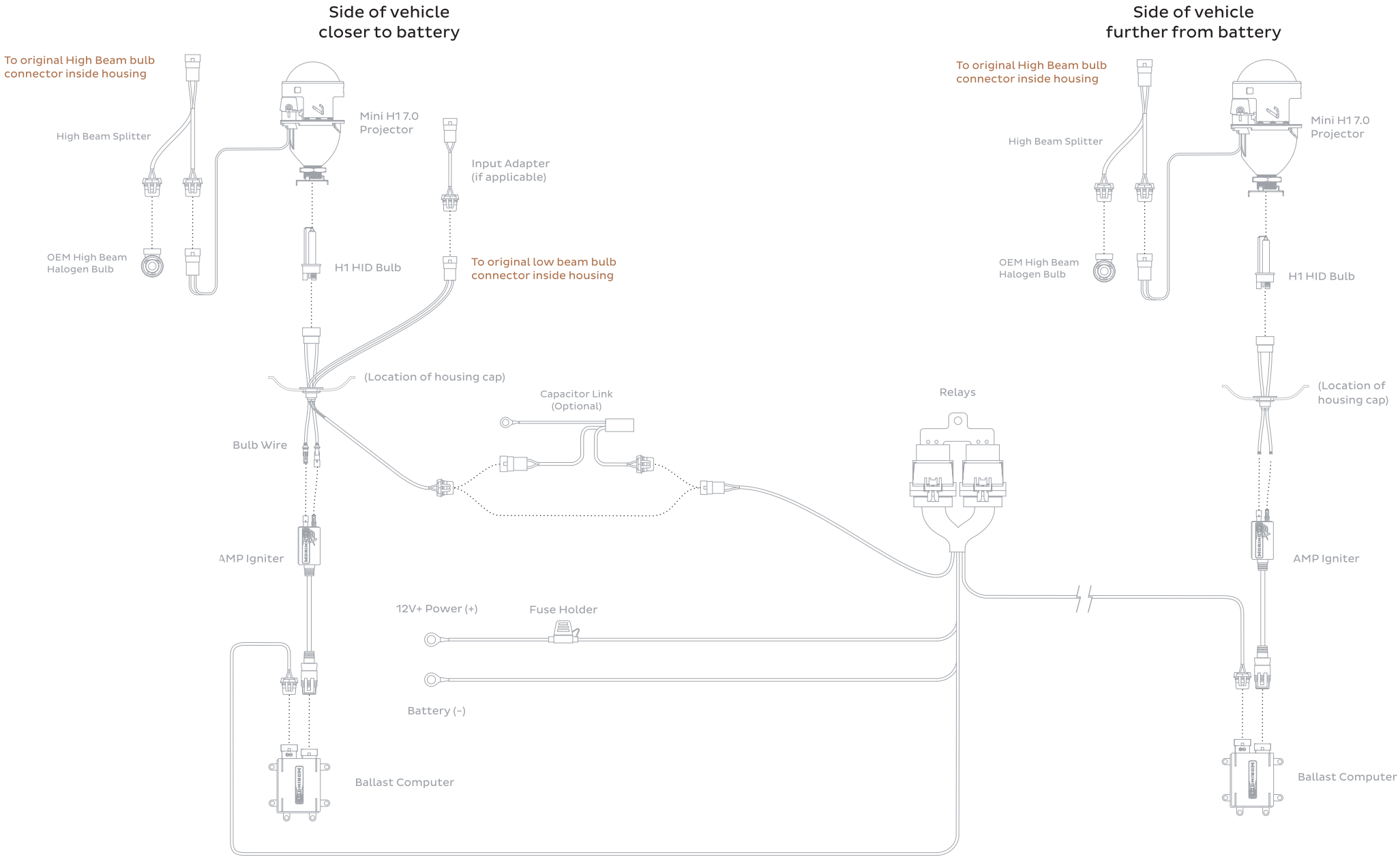
Right Side of Vehicle



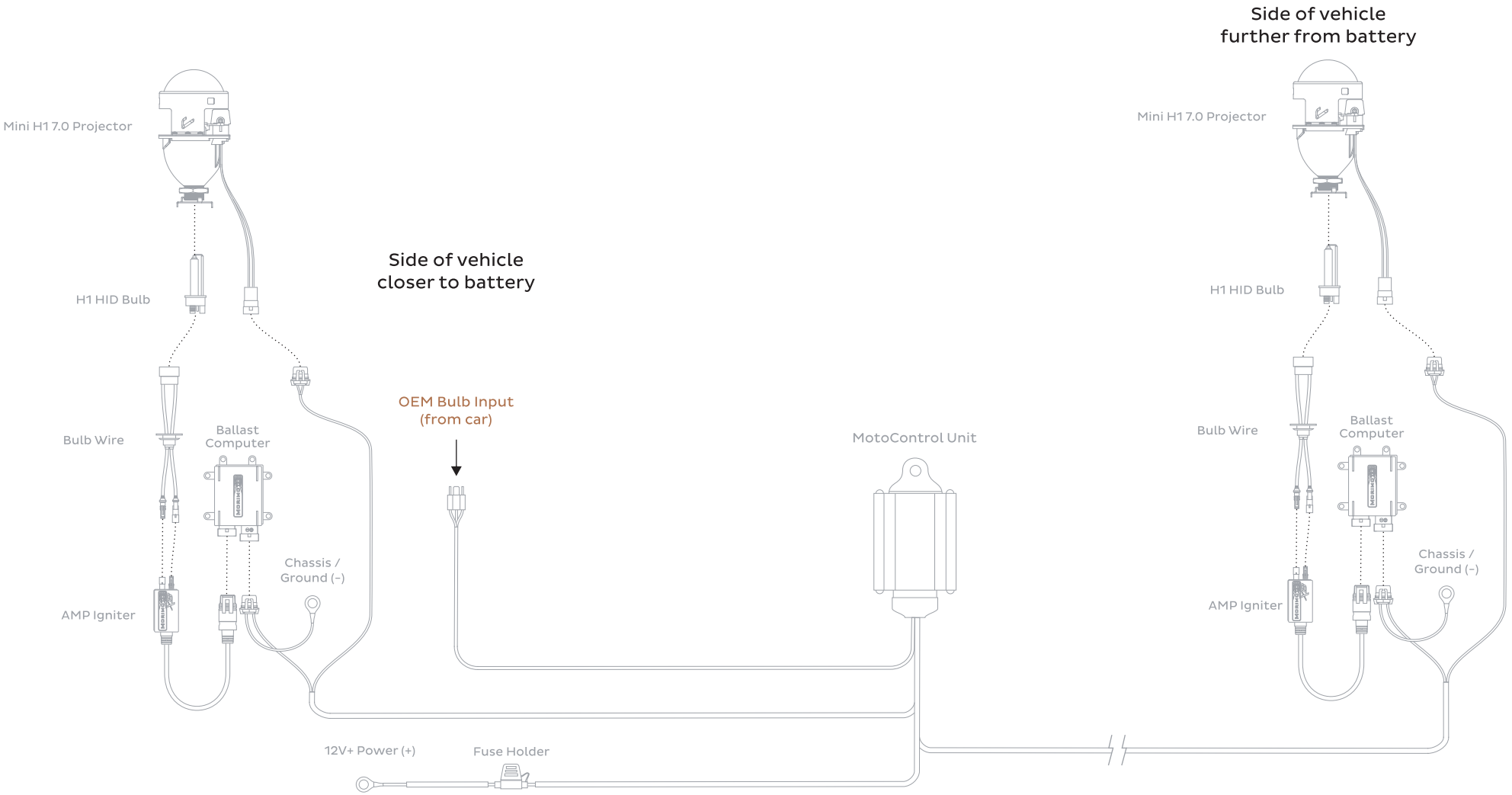
Left Side of Vehicle



Skip to Page 10 for component-specific procedures

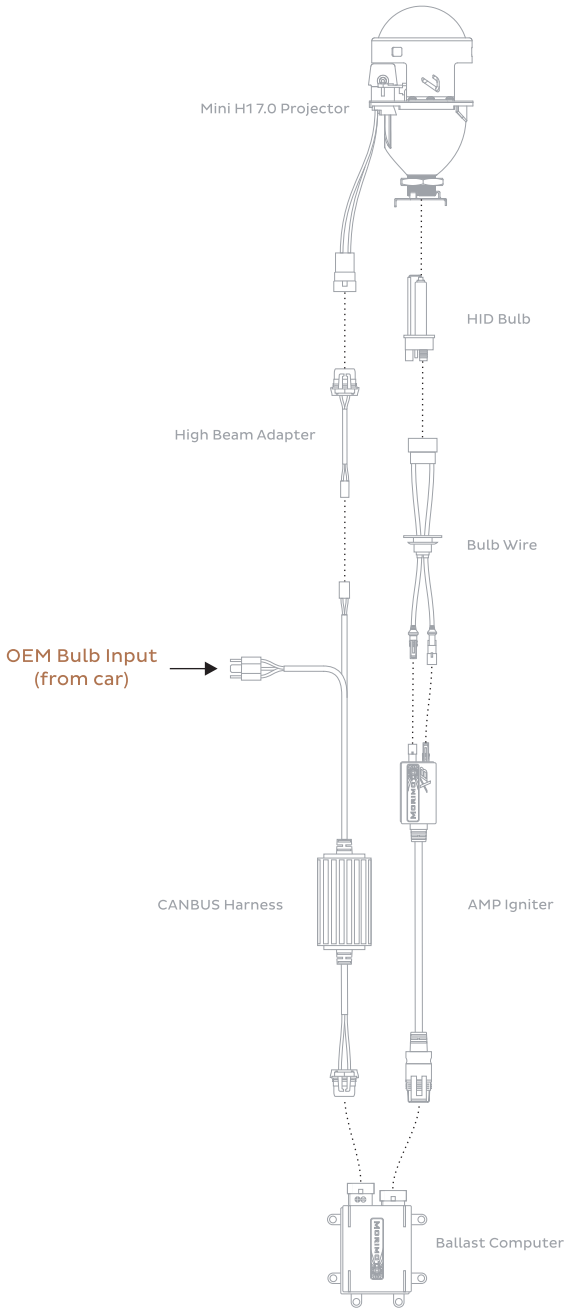


Skip to Page 10 for component-specific procedures

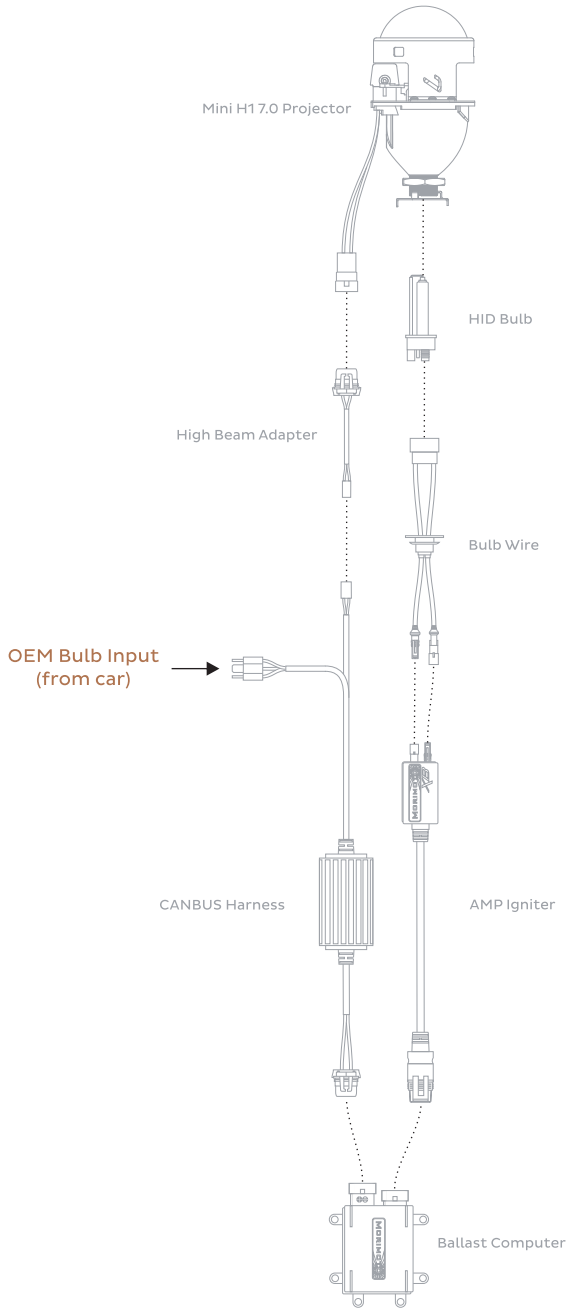


Skip to Page 10 for component-specific procedures

Right Side of Vehicle



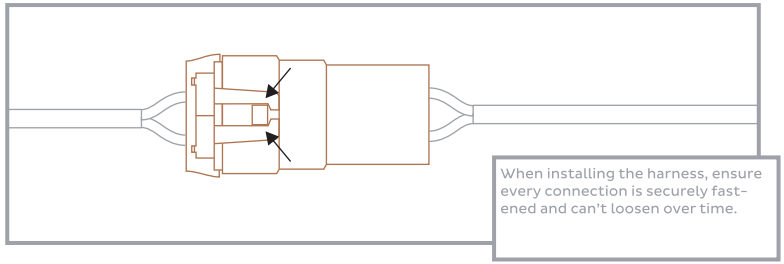
Left Side of Vehicle



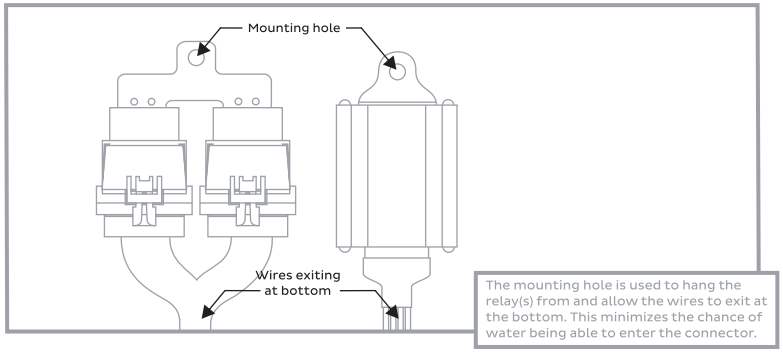
Skip to Page 10 for component-specific procedures

HARNESS INSTALLATION

SPECIAL NOTE: ALL HARNESSES

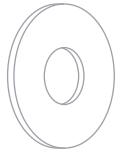


SPECIAL NOTE: HD RELAY AND MOTOCONTROL HARNESSES



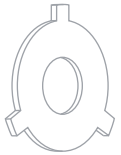
PROJECTOR INSTALLATION

HARDWARE CONTENTS



1x H4 Silicone Grommet

1x H7 Silicone Grommet



1x H4 Adapter Plate

1x H7 Adapter Plate

4x Mini Gatling Gun Screws

1x 9006 Male Connector

1x Bulb Retaining Clip

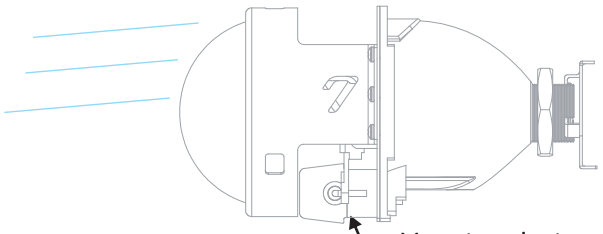
1x Hex Lock Nut

1x Three-Prong Bulb Holder

3x Bulb Holder Screws

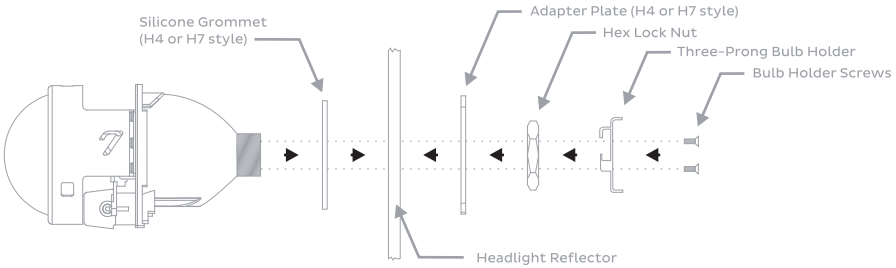
2x 9006 Socket Grommets

SPECIAL INSTALLATION NOTE

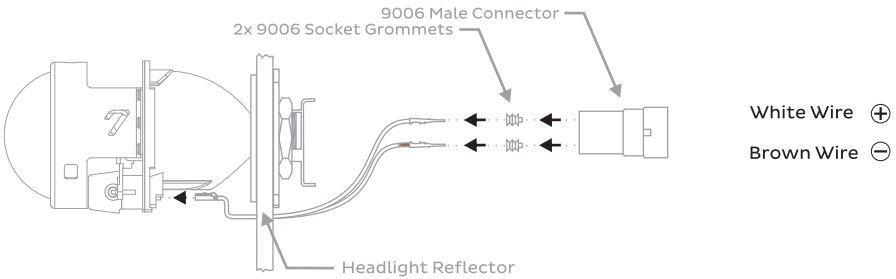


Mount projector rotationally level and with the solenoid and light cutoff shield on the bottom for proper light output

HARDWARE SCHEMATIC



SOLENOID WIRING SCHEMATIC



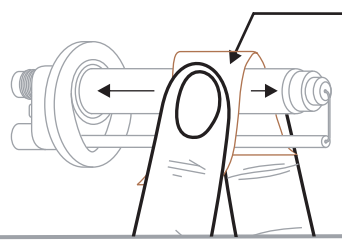
BULB INSTALLATION

CAUTION: HOT!

HANDLE ONLY WITH BLACK PLASTIC BASE

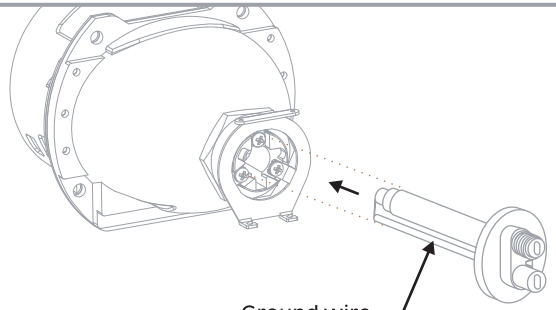
STEP BY STEP

1



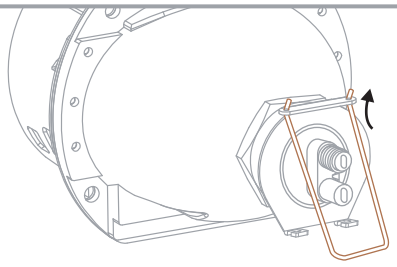
Using an alcohol wipe, clean the bulb glass of any dust, dirt, and finger prints.

2



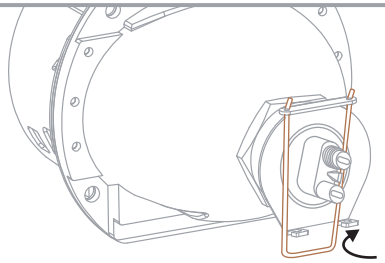
Insert the bulb with the ground wire at the 6 o'clock position (bottom).

3



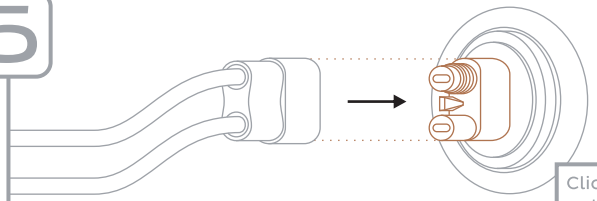
Insert the two ends of the bulb clip into the bulb holder.

4



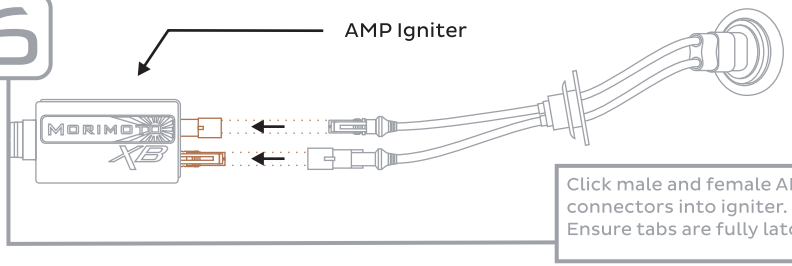
Clip in bottom of bulb clip to both hooks to properly secure bulb in projector.

5



Click bulb wire connection onto bulb. Ensure side tab is fully latched.

6

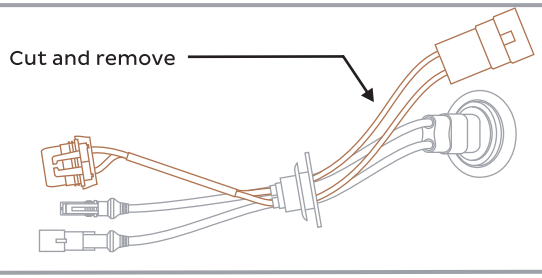


Click male and female AMP connectors into igniter. Ensure tabs are fully latched.

Proceed to either INTERNALLY or EXTERNALLY step #7

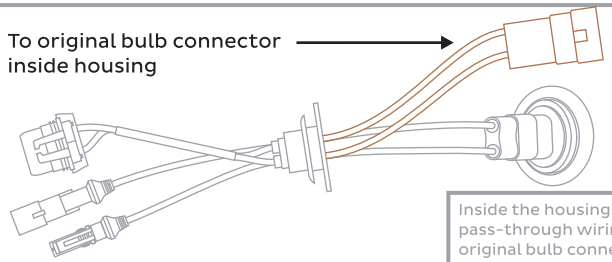
STEP BY STEP - EXTERNALLY-WIRED

7



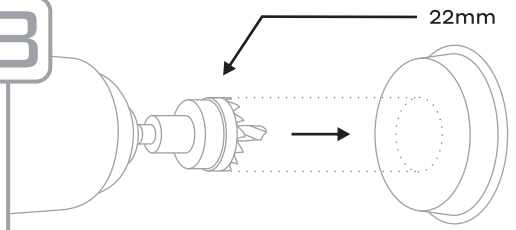
STEP BY STEP - INTERNALLY WIRED

7



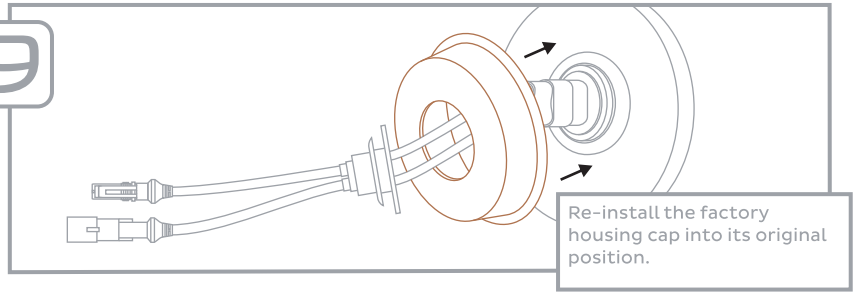
Inside the housing, connect the pass-through wiring into the original bulb connector.
NOTE: Style may vary

8



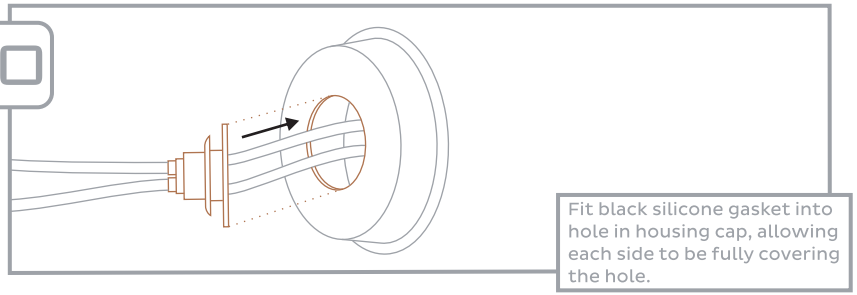
In the factory housing cap that covers the bulb, drill a 22mm hole using a hole saw.

9



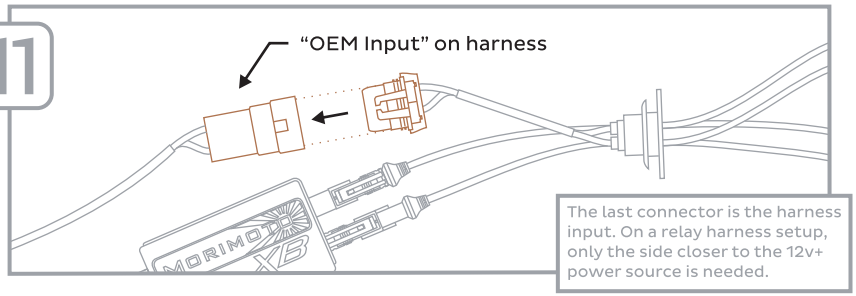
Re-install the factory housing cap into its original position.

10



Fit black silicone gasket into hole in housing cap, allowing each side to be fully covering the hole.

11



The last connector is the harness input. On a relay harness setup, only the side closer to the 12v+ power source is needed.

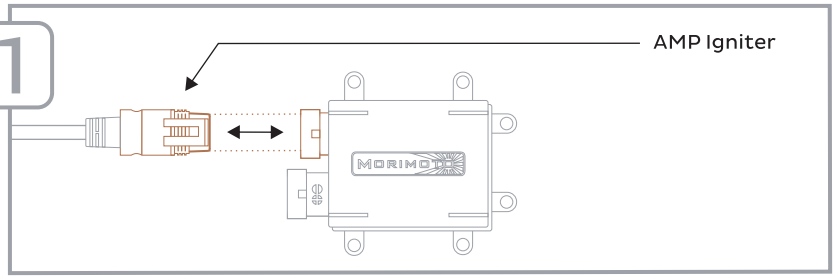
BALLAST INSTALLATION

DO NOT IGNITE UNTIL FULLY CONNECTED!

WATERPROOF

SCHEMATIC

1



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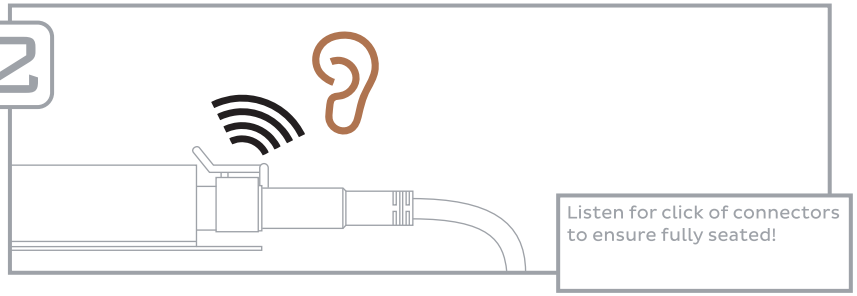
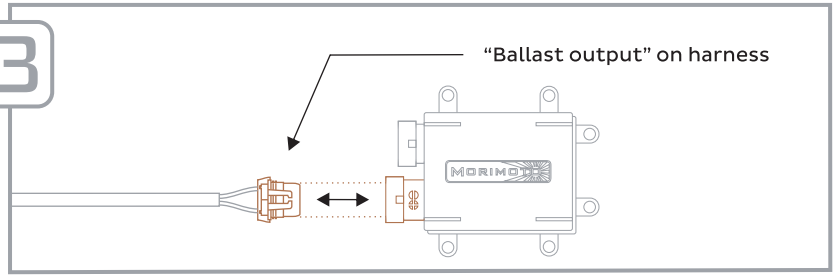
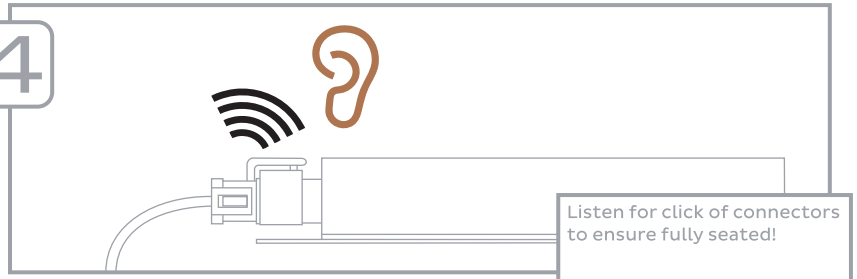


Listen for click of connectors to ensure fully seated!

3



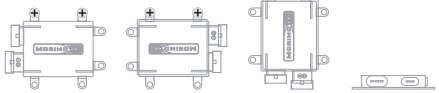
4



Listen for click of connectors to ensure fully seated!

5

Recommended mounting:



Do not mount ballast with connectors aimed upward!

XSB HALO INSTALLATION

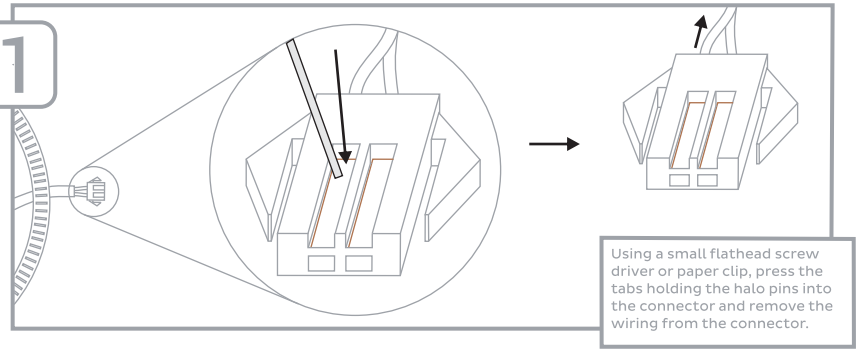
12V

12VDC Input

Do not cut!

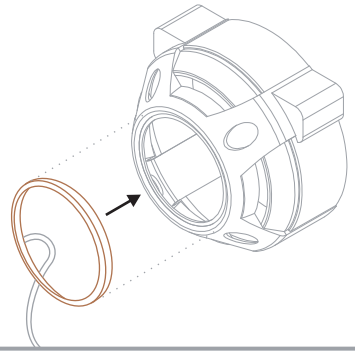
Do not glue!

1



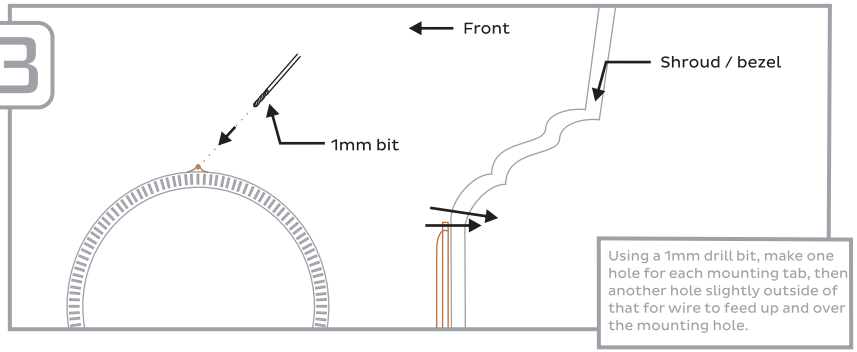
Using a small flathead screw driver or paper clip, press the tabs holding the halo pins into the connector and remove the wiring from the connector.

2



Test-fit the halo on the shroud to see where it will be mounted.

3

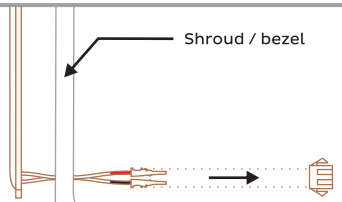


Using a 1mm drill bit, make one hole for each mounting tab, then another hole slightly outside of that for wire to feed up and over the mounting hole.

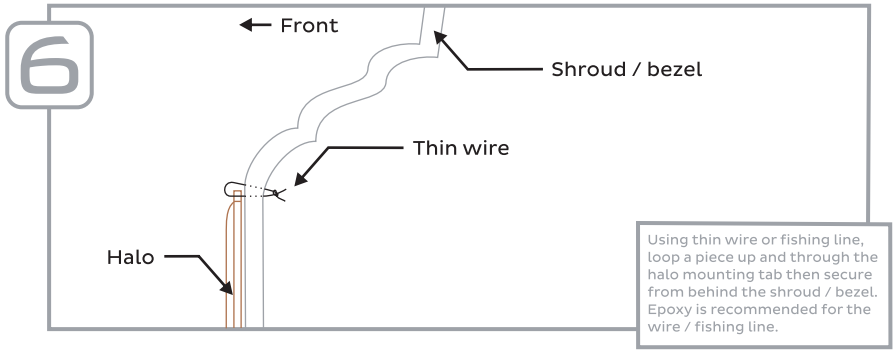
4

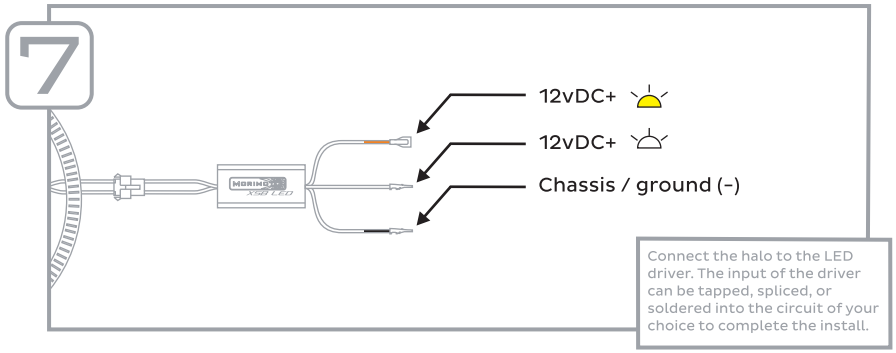
In the desired location, drill a 4mm hole for the wiring to pass through the shroud/bezel.

5



Feed the wiring through the 5mm hole in the shroud / bezel and re-insert the pins into the connector, ensuring proper orientation of the wire colors.

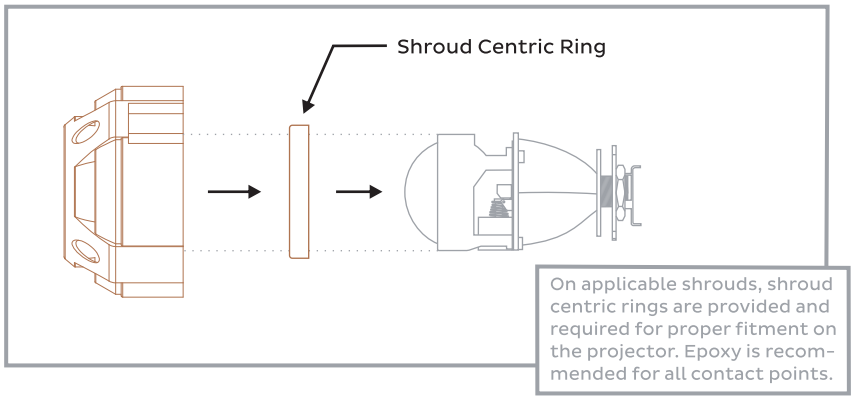




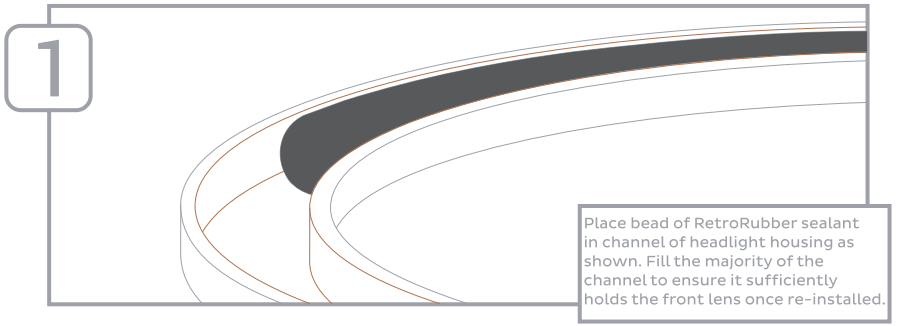
SHROUD INSTALLATION

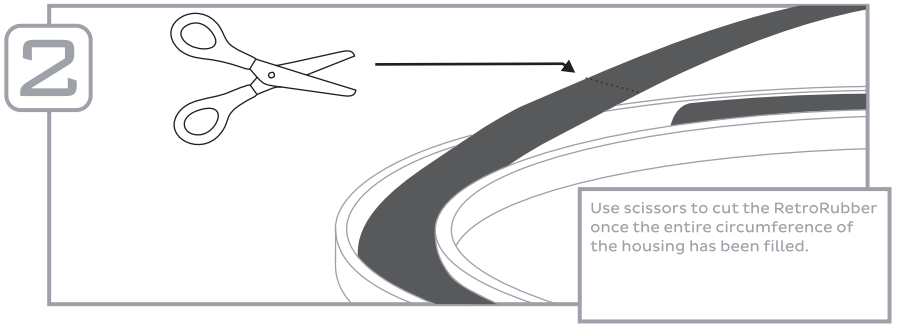
EPOXY IS RECOMMENDED FOR ALL CONTACT POINTS

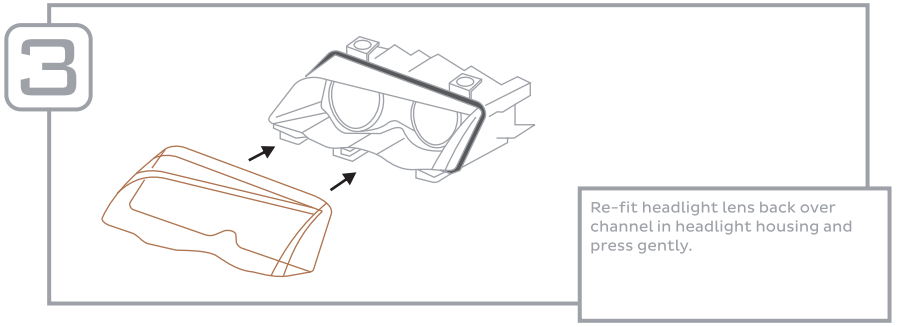
E-Z CUT



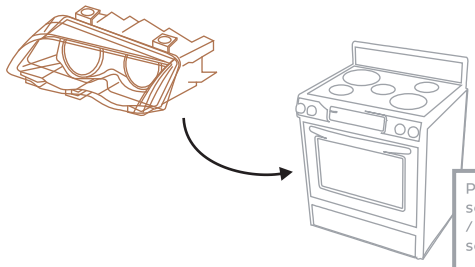
USING RETRORUBBER SEALANT





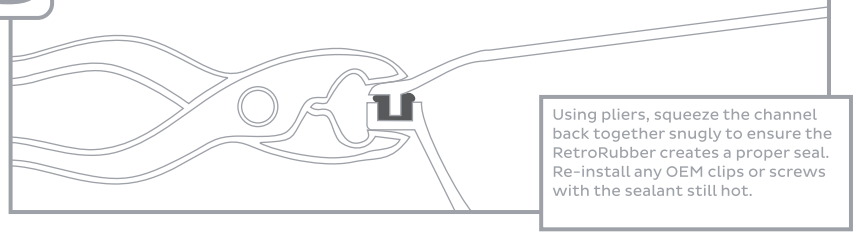


4



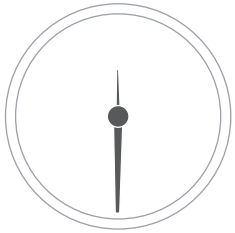
Place entire headlight in oven for seven (7) minutes at 270 Fahrenheit / 130 Celsius to soften the new sealant.

5



Using pliers, squeeze the channel back together snugly to ensure the RetroRubber creates a proper seal. Re-install any OEM clips or screws with the sealant still hot.

6



00:30:00

Allow thirty (30) minutes for headlight to sufficiently cool down prior to re-installation on car.

-END-