



THE RETROFIT SOURCE
The Best Brands in Automotive Lighting

support@theretrofitsource.com
404.220.7940

INSTALLATION GUIDE:

AMP OEM ELITE HID SYSTEM





WARNING: By reading this document, I agree it is only to be used as an educational guide. The Retrofit Source 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.

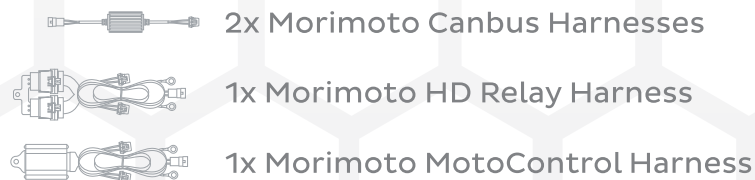
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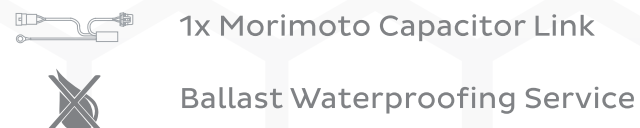
STANDARD PARTS



AND YOUR CHOICE OF:



OPTIONAL PARTS



SPECIAL NOTE:



Ballast Test Lead

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.



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

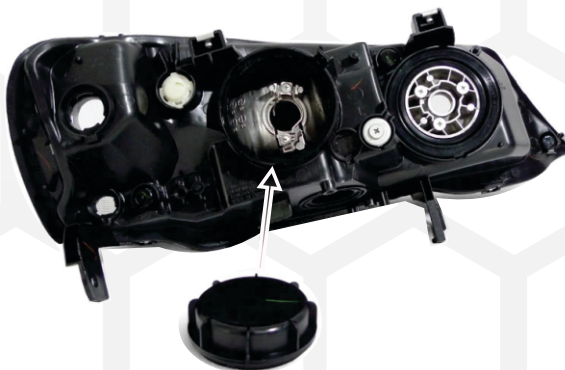
Separate low and high beam bulbs; When you can access the bulb from the back of the headlight without removing any caps or covers. Wiring for the bulb is visible and accessible outside of the housing.



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 4

DUAL FILAMENT

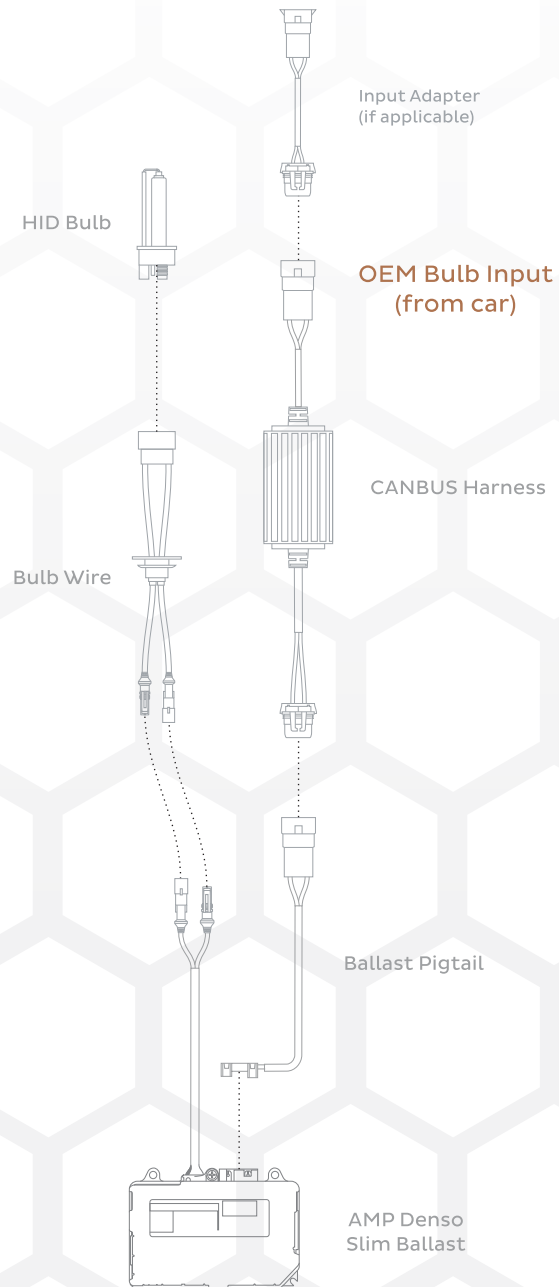
Shared low/high beam bulb; You can access the bulb from the back of the headlight without removing any caps or covers. Wiring for the bulb is visible and accessible outside of the housing.



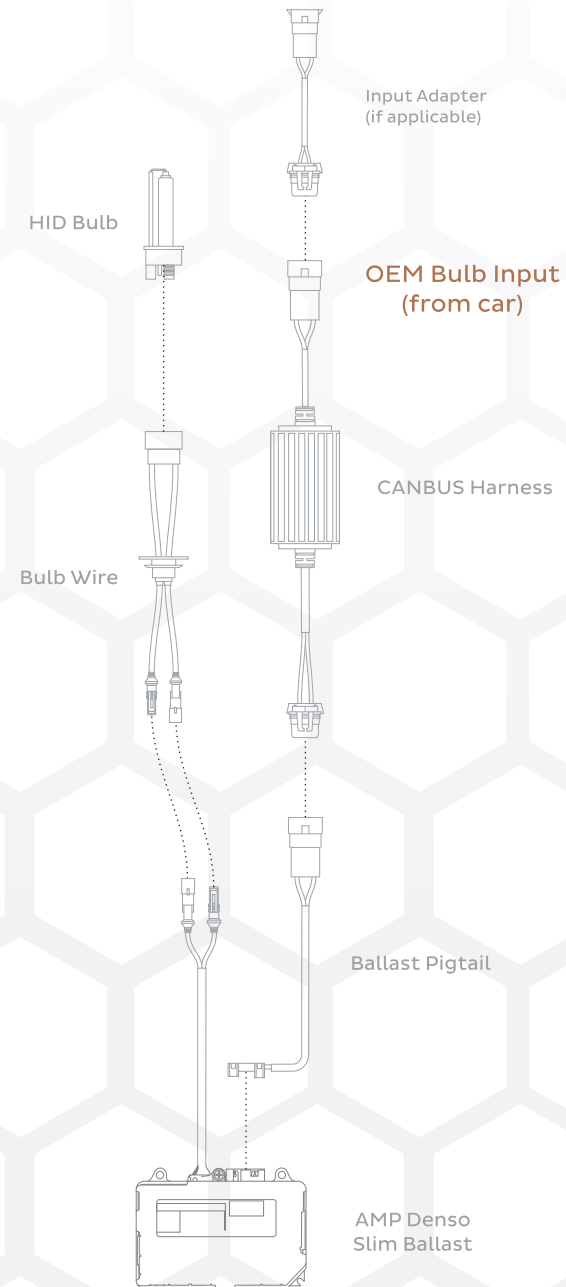
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EXTERNALLY-WIRED W/ STANDALONE CANBUS HARNESSES

Right Side of Vehicle



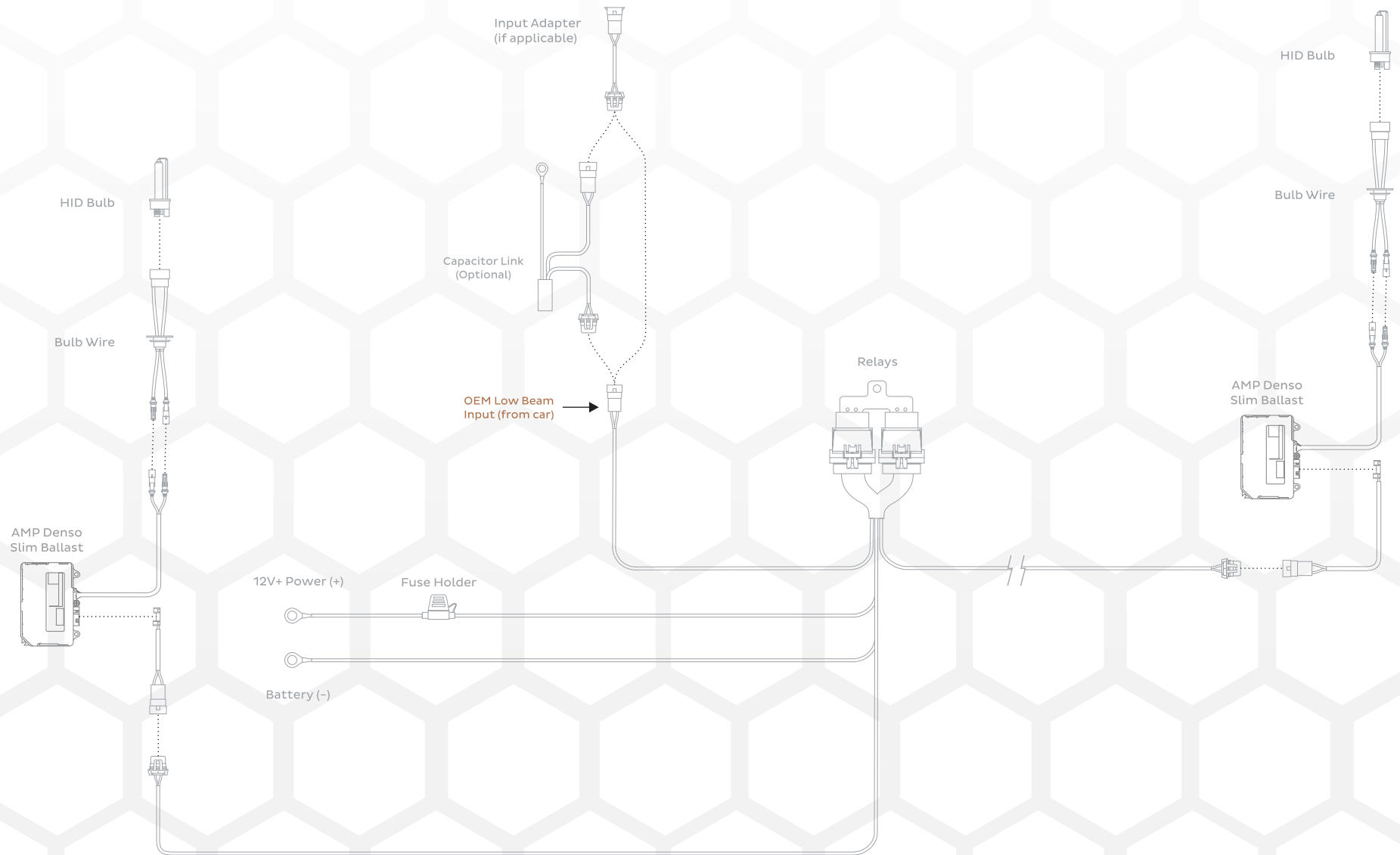
Left Side of Vehicle



EXTERNALLY-WIRED W/ HD RELAY HARNESS

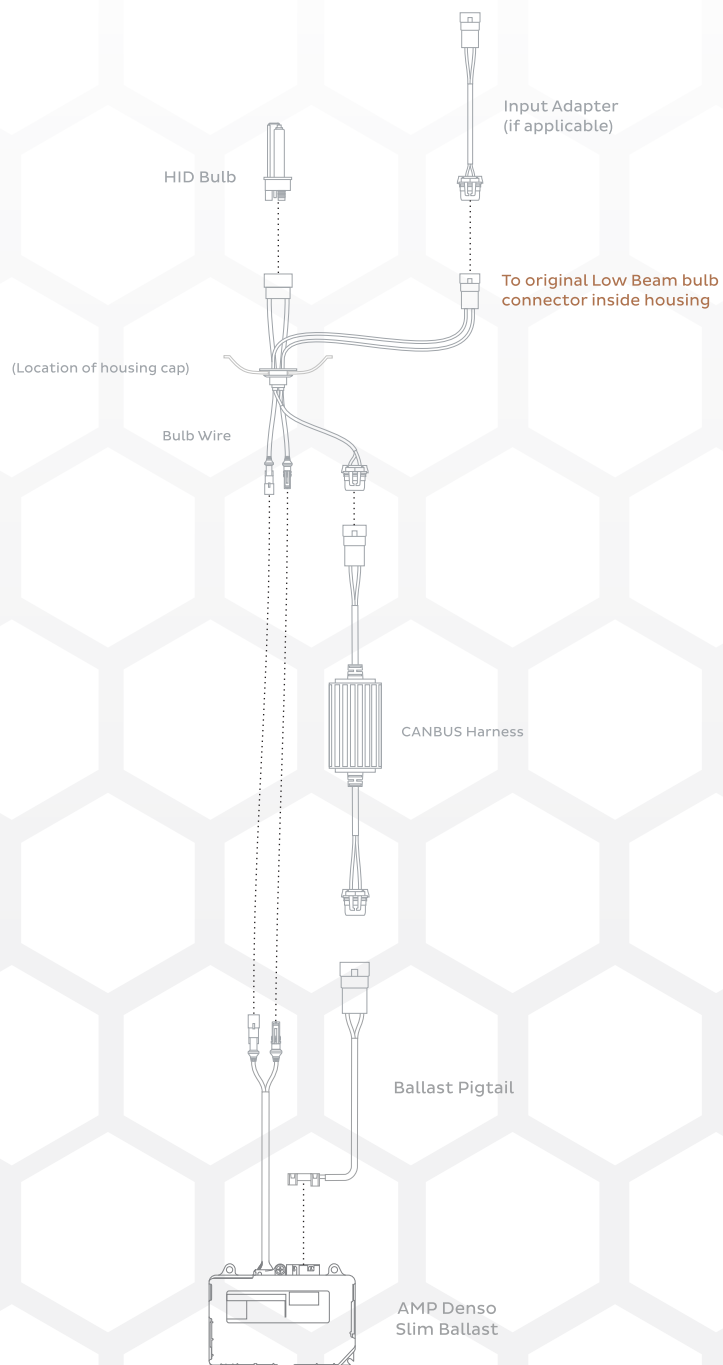
Side of vehicle
closer to battery

Side of vehicle
further from battery

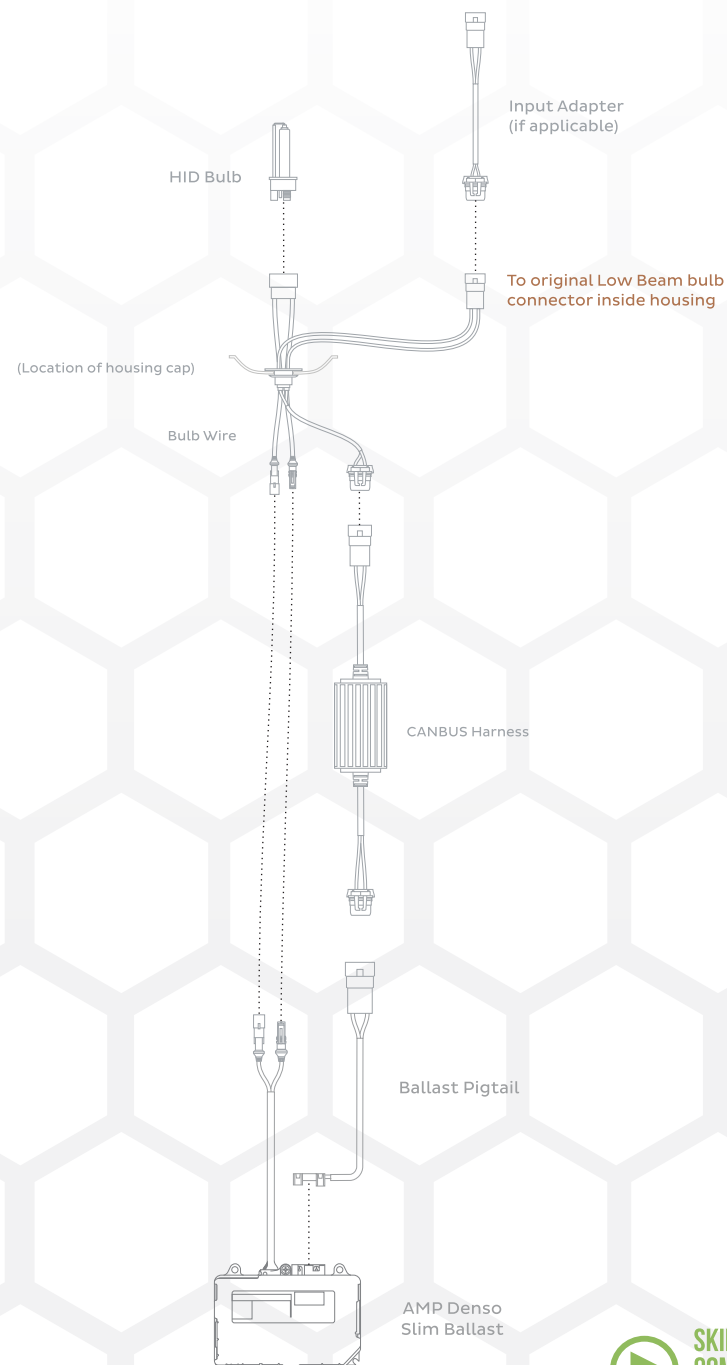


INTERNALLY-WIRED W/ STANDALONE CANBUS HARNESSES

Right Side of Vehicle

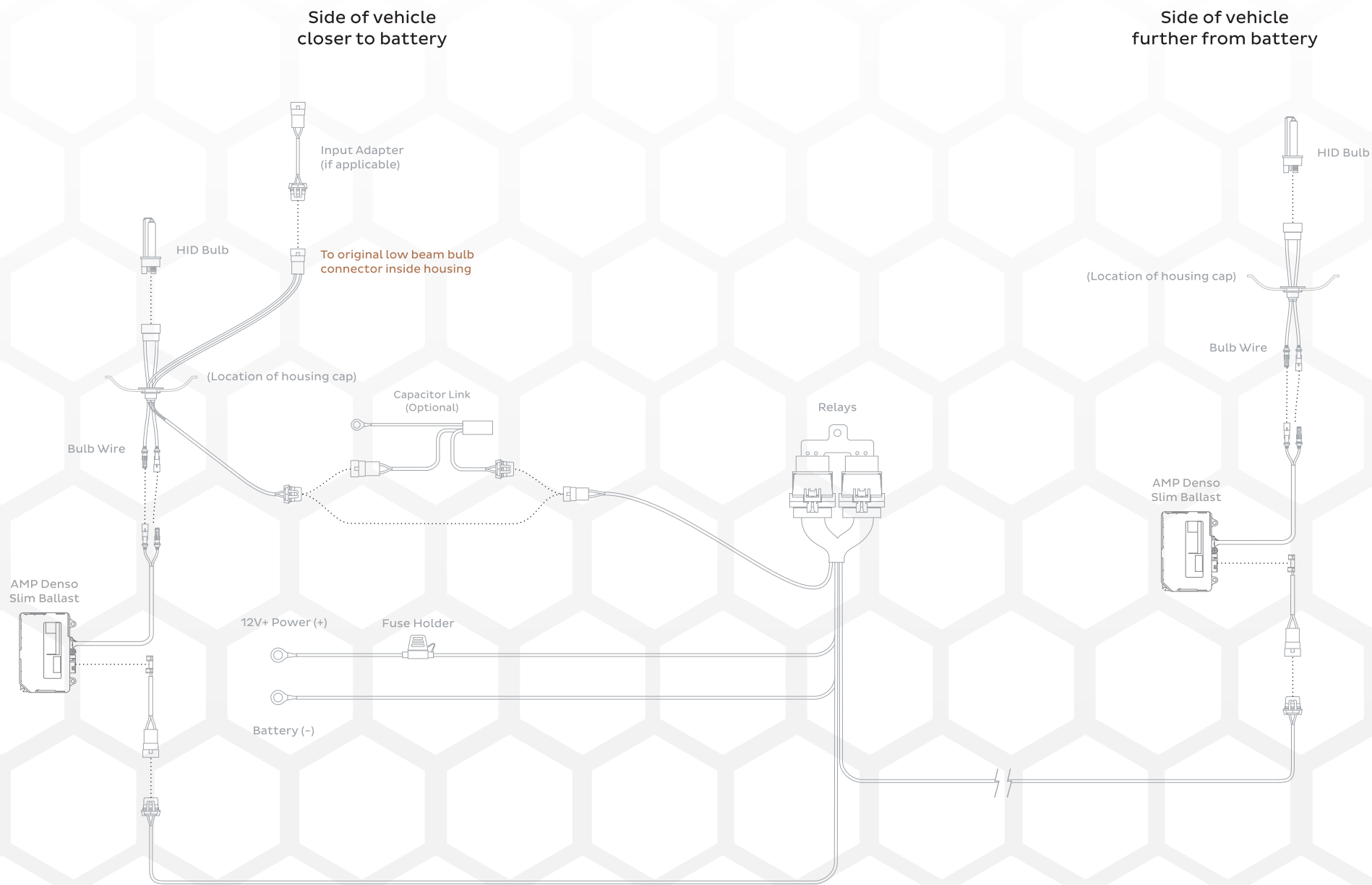


Left Side of Vehicle



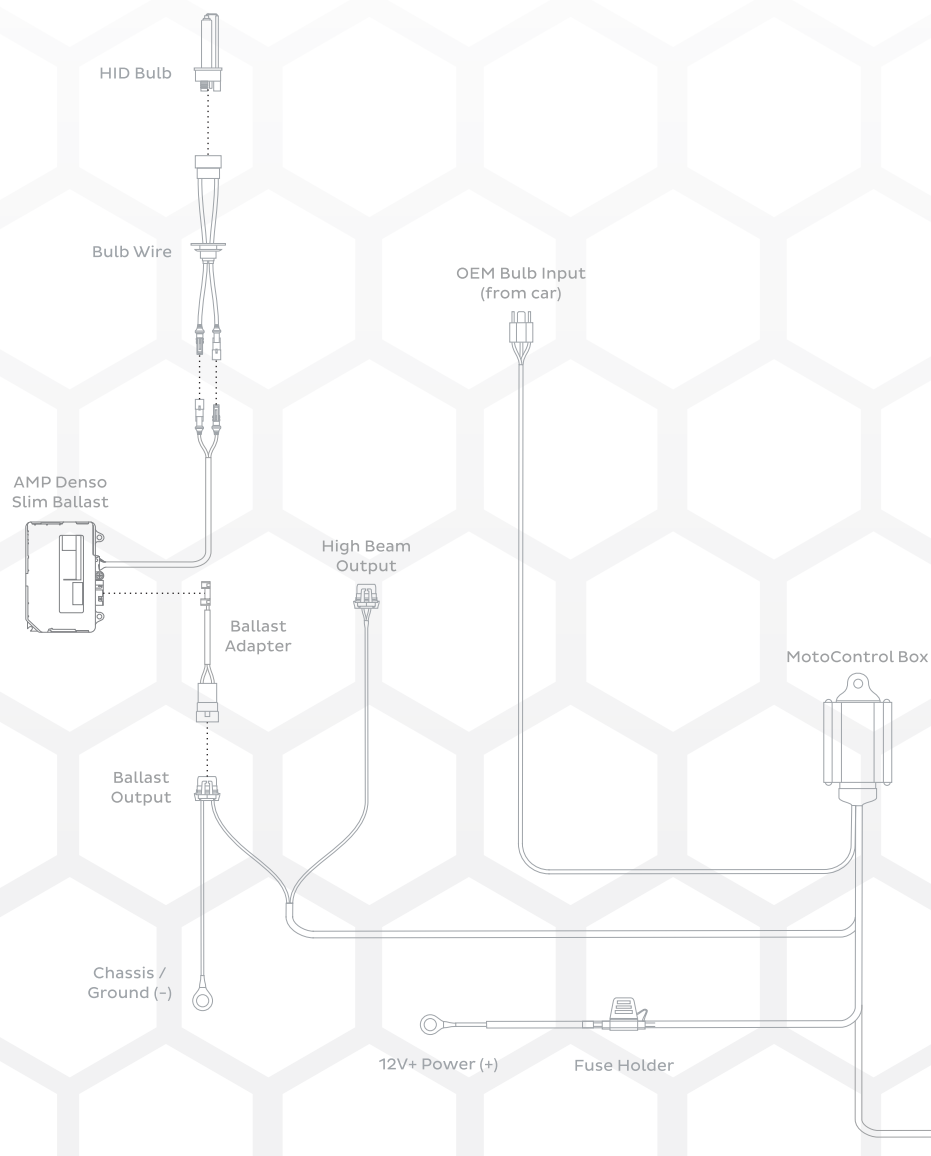
SKIP TO PAGE 10 FOR
COMPONENT-SPECIFIC
PROCEDURES

INTERNALLY-WIRED W/ HD RELAY HARNESS

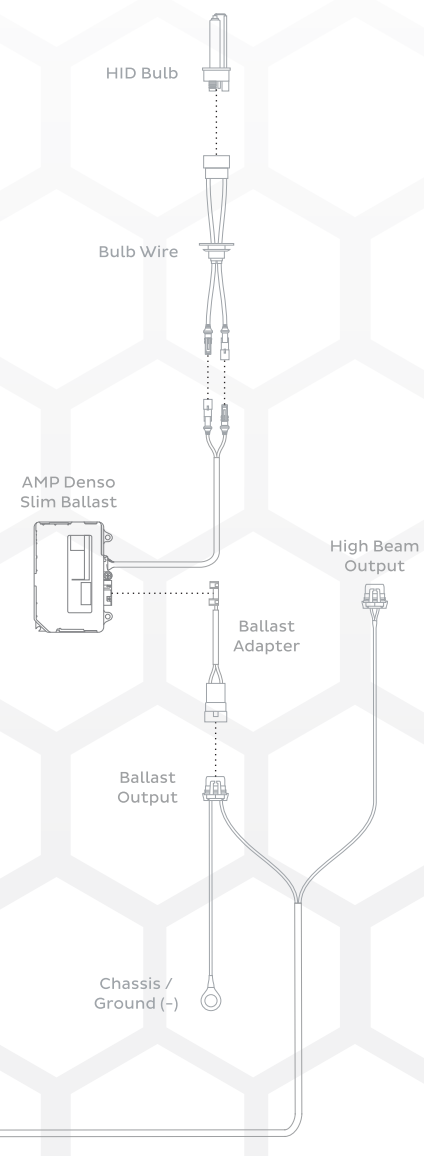


DUAL FILAMENT W/ MOTOCONTROL HARNESS

Side of vehicle
closer to battery

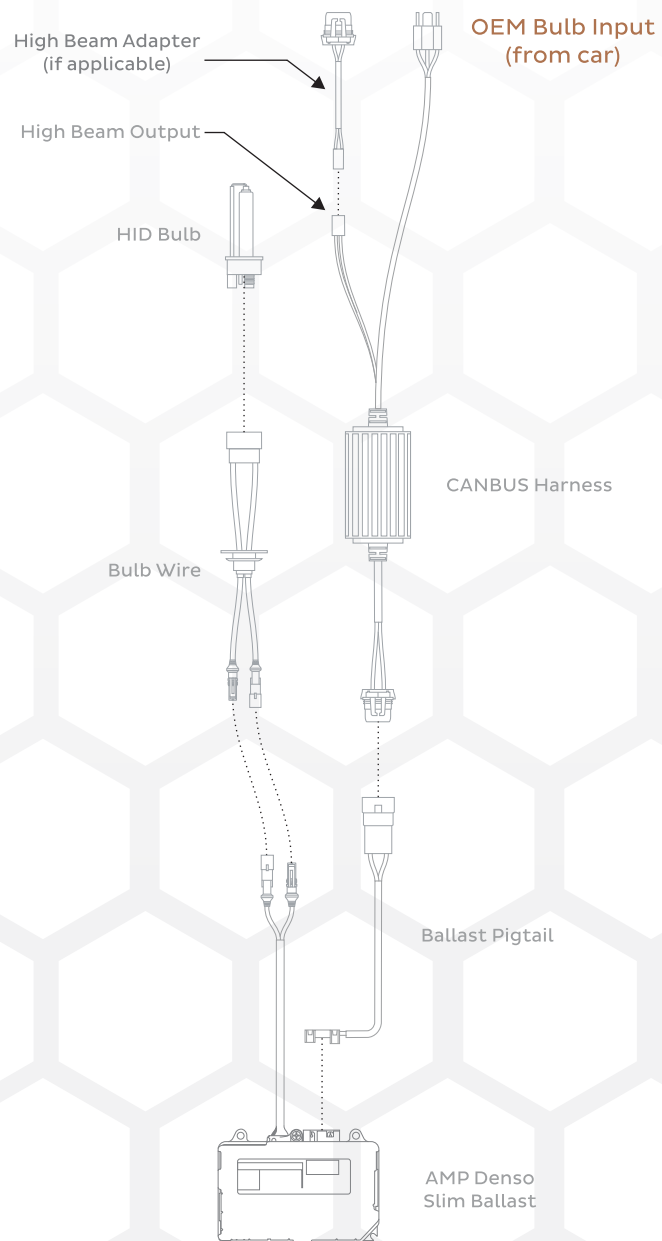


Side of vehicle
further from battery

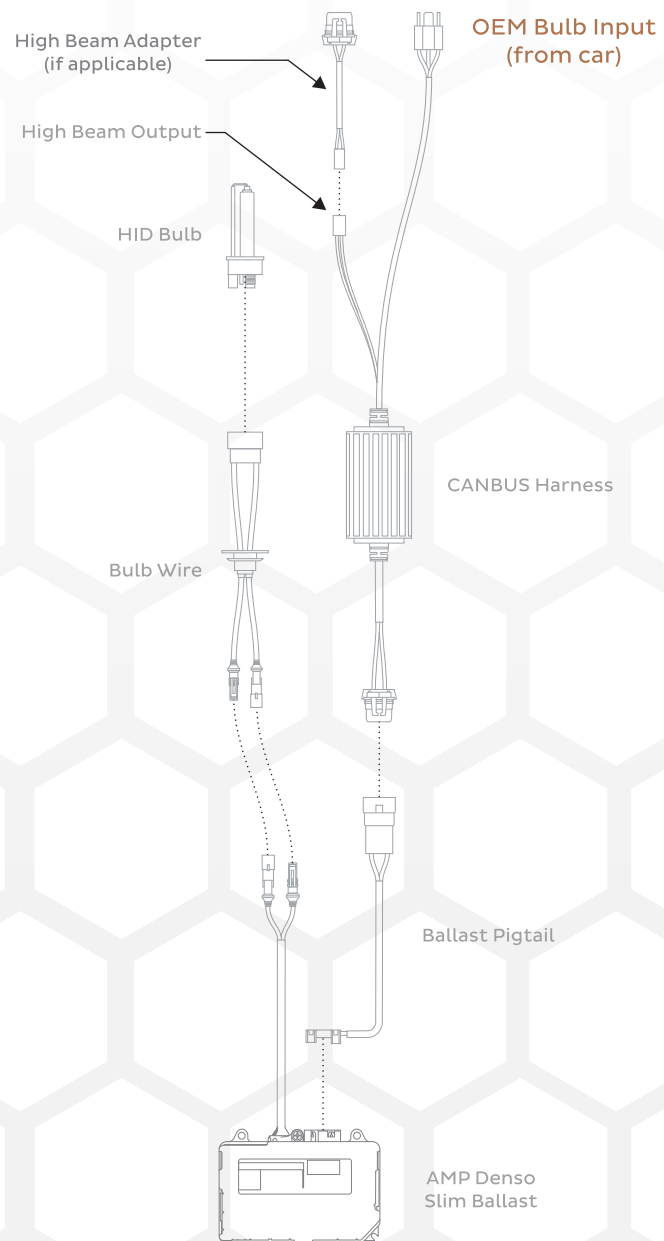


DUAL FILAMENT W/ STANDALONE CANBUS HARNESSES

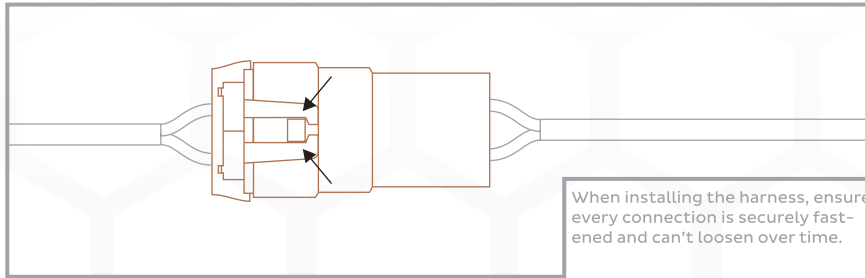
Right Side of Vehicle



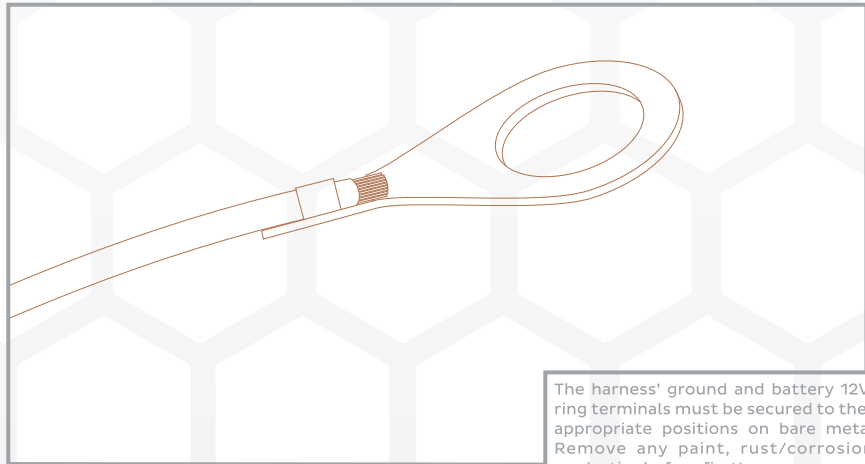
Left Side of Vehicle



HARNESS INSTALLATION

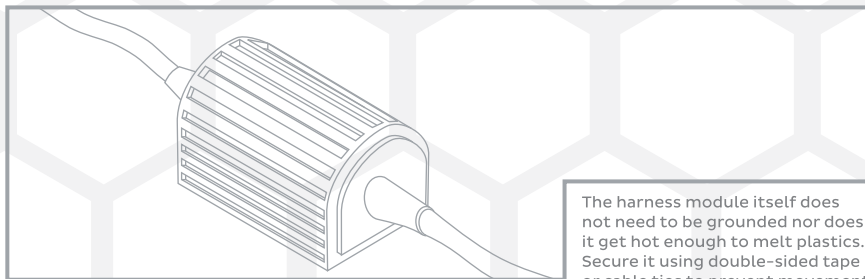


When installing the harness, ensure every connection is securely fastened and can't loosen over time.

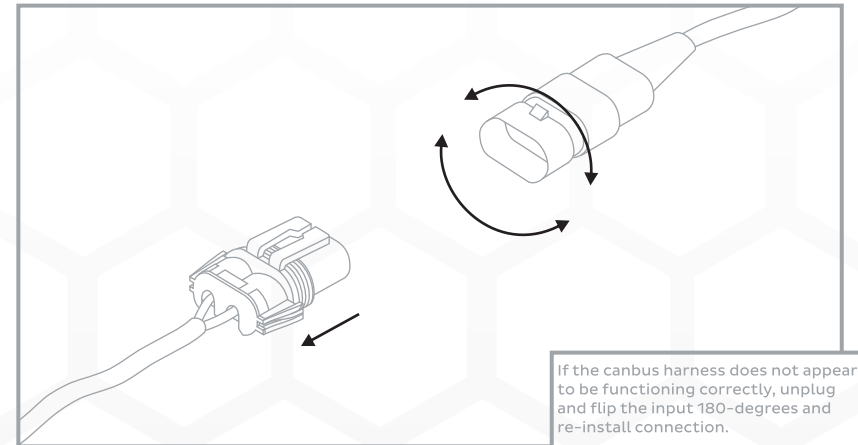


The harness' ground and battery 12V+ ring terminals must be secured to their appropriate positions on bare metal. Remove any paint, rust/corrosion, or plastics before first!

STANDALONE CANBUS HARNESSES ONLY:



The harness module itself does not need to be grounded nor does it get hot enough to melt plastics. Secure it using double-sided tape or cable ties to prevent movement.



If the canbus harness does not appear to be functioning correctly, unplug and flip the input 180-degrees and re-install connection.

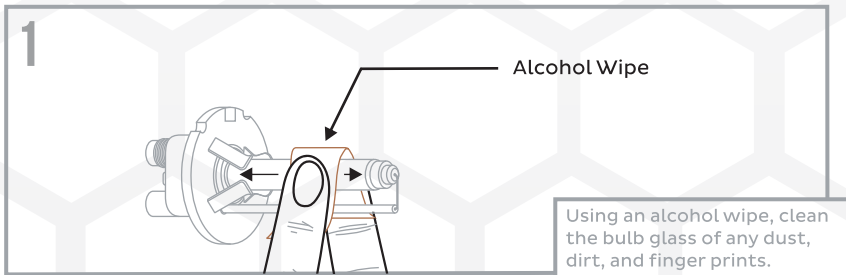
BULB INSTALLATION



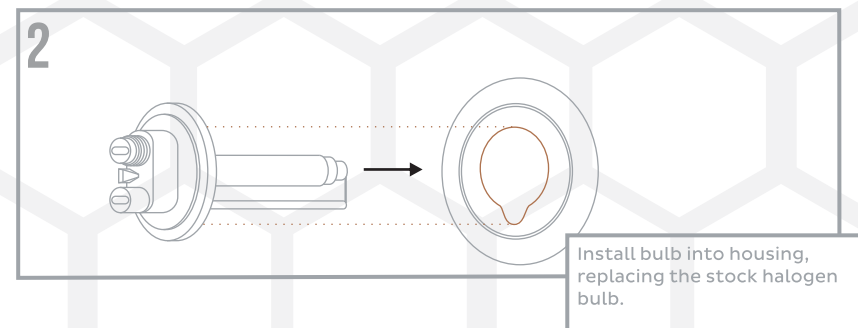
Do not ignite until fully connected



Waterproof

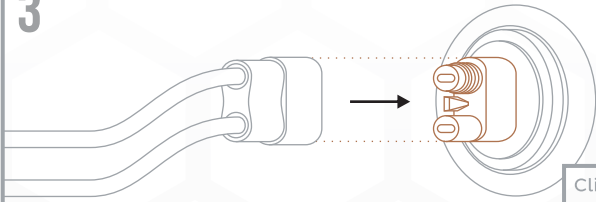


Using an alcohol wipe, clean the bulb glass of any dust, dirt, and finger prints.



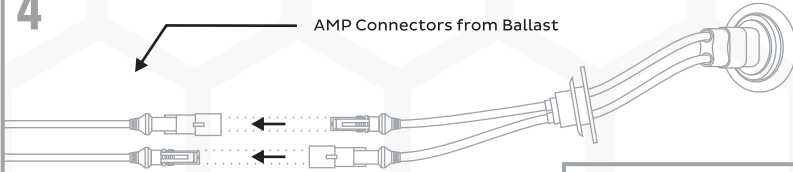
Install bulb into housing, replacing the stock halogen bulb.

3



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

4



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

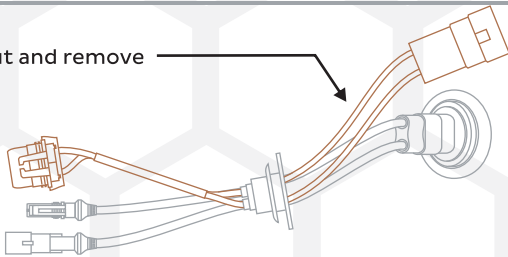
EXTERNALLY-WIRED
INSTALLATION?



CONTINUE

5

Cut and remove



CONTINUE TO BALLAST INSTALLATION

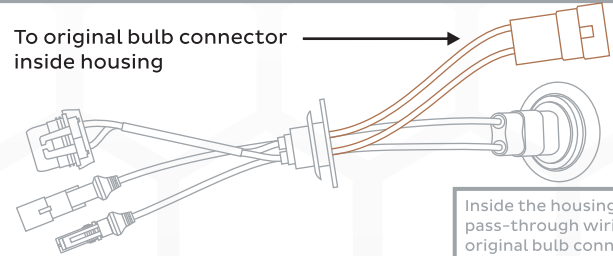
INTERNALLY-WIRED
INSTALLATION?



CONTINUE

6

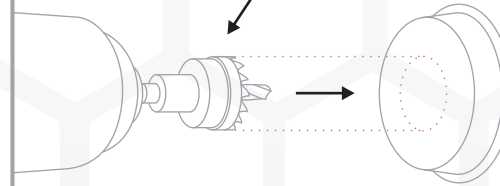
To original bulb connector
inside housing



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

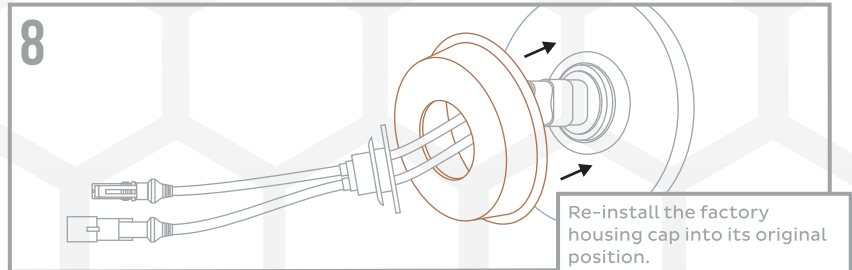
7

22mm



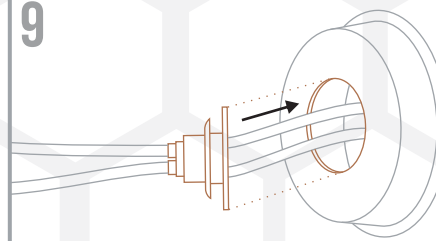
In the factory housing cap that covers the bulb, drill a 22mm hole using a hole saw.

8



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

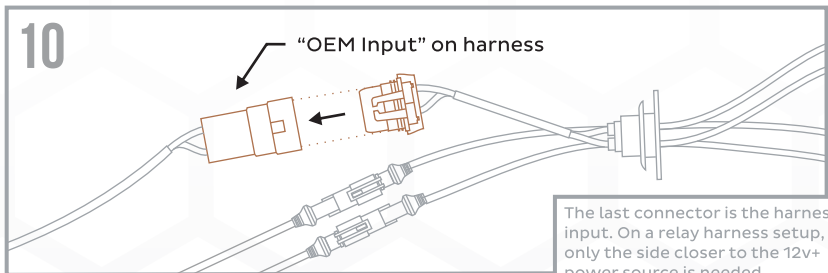
9



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

10

"OEM Input" on harness



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

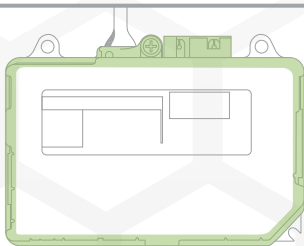


Do not ignite until fully connected



NOT Waterproof

1

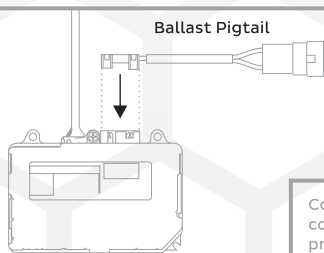


Possible areas of water ingress

Denso ballasts are absolutely NOT waterproof out of the box. We offer waterproofing service for \$100 additional, which includes water ingress coverage. If you do not select this service, any water damage is NOT covered under warranty.

2

Ballast Pigtail



Connect the ballast input pigtail to the ballast to complete its assembly. If you choose to waterproof the ballast, it is ideal to install the pigtail prior to sealing so the connector is also covered.

-END-