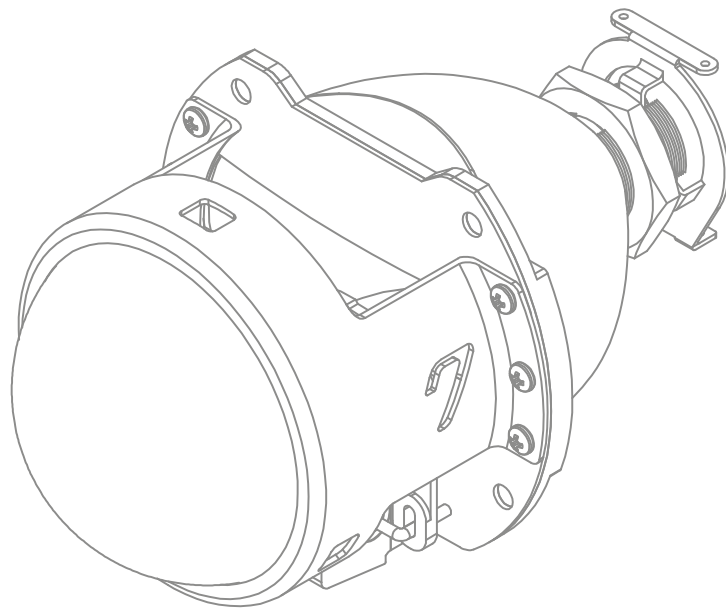




THE AUTOMOTIVE LIGHTING BENCHMARK



INSTALLATION GUIDE
UNIVERSAL RETROQUIK



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.

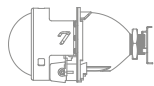
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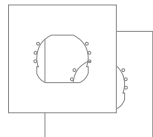
TOOLS REQUIRED

#1 PHILIPS HEAD SCREWDRIVER	DREMEL TOOL
#2 PHILIPS HEAD SCREWDRIVER	7MM WRENCH / SOCKET
UTILITY SCISSORS	GAS OR ELECTRIC OVEN
BROAD-NOSE PLIERS	HEAT-RESISTANT GLOVES

STANDARD PARTS

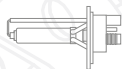


2X PROJECTORS

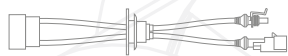


2X RQ HARDWARE / BRACKETS

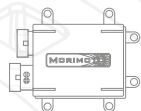
OPTIONAL PARTS



2X HID BULBS



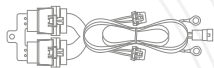
2X BULB WIRES



2X BALLAST COMPUTERS



2X AMP IGNITERS



1X HD RELAY HARNESS



1X MOTOCONTROL HARNESS



2X CANBUS HARNESSES



1X CAPACITOR LINK



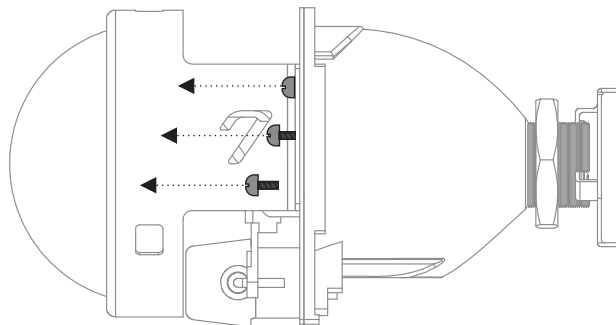
2X HIGH BEAM SPLITTERS



1X RETRORUBBER SEALANT

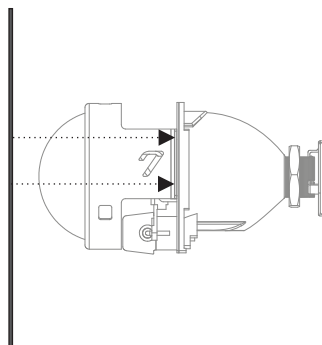
1

Remove the six #1 Philips screws holding the lens holder to the back of the projector. The six OEM screws can be discarded and are not reused.



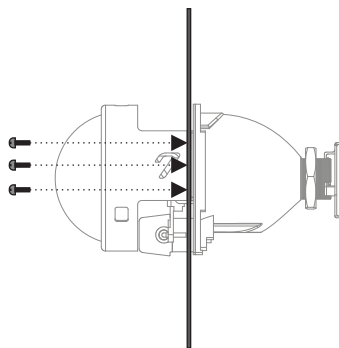
2

Fit the RetroQuik bracket in place.



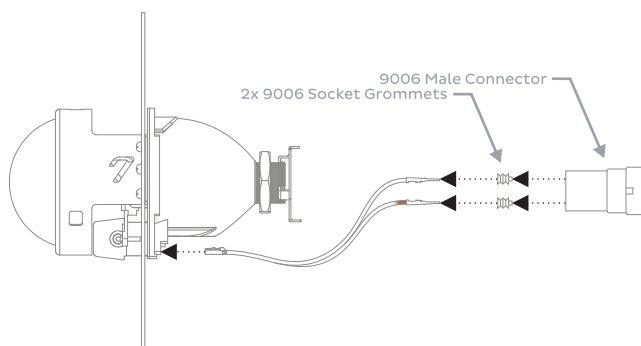
3

Install the provided six (6) longer screws into the same location as the OEM screws and snug up.



4

Insert the solenoid wiring into the solenoid's plug at the rear of the projector. Add one 9006 socket grommet per wire past the pin, then click the pins into the 9006 male connector as shown. Seat the 9006 socket grommets down into the back of the connector around the pins.

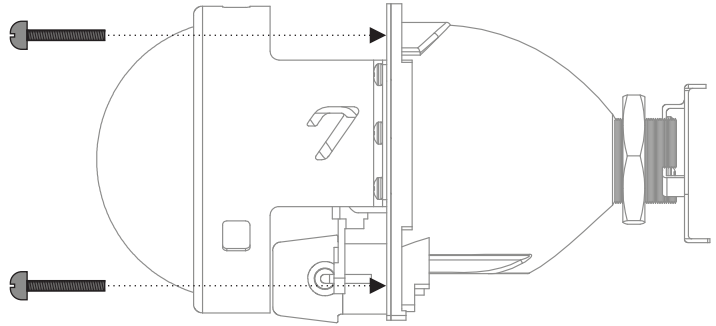


White Wire ⊕
Brown Wire ⊖



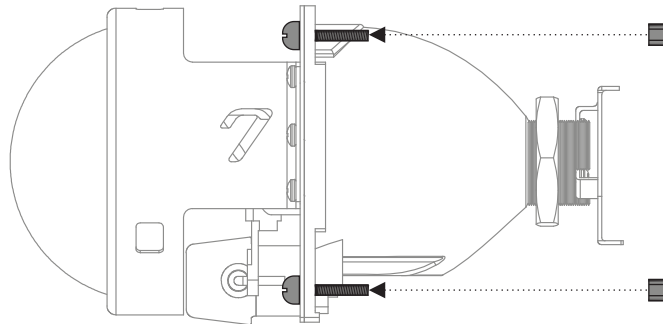
1

Insert (4) of the 20mm screws into the four holes of the projector as shown.



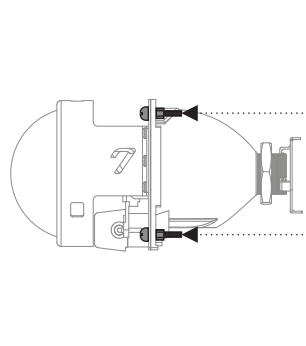
2

On each 20mm screw, thread on one (1) 5mm aluminum spacer and tighten until snug.



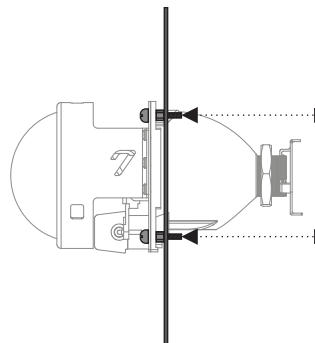
3

Push the RetroQuik bracket on from the rear and press gently against the 5mm aluminum spacers.



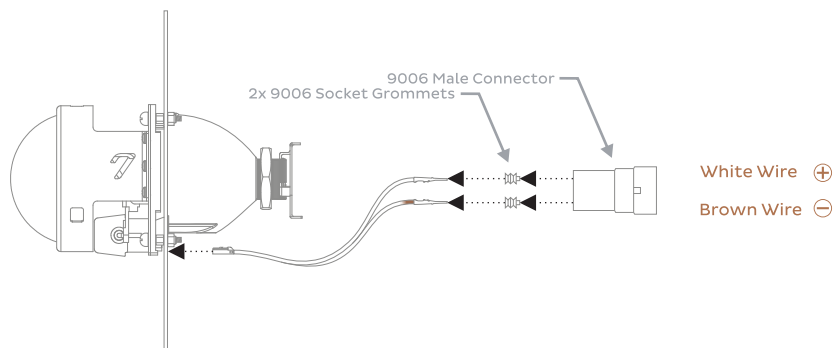
4

On each 20mm screw, thread on one (1) stainless locking nut and tighten snugly against the RetroQuik bracket.



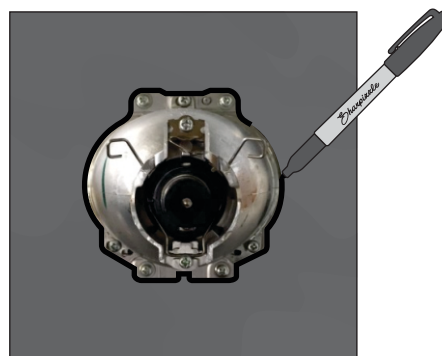
5

Insert the solenoid wiring into the solenoid's plug at the rear of the projector. Add one 9006 socket grommet per wire past the pin, then click the pins into the 9006 male connector as shown. Seat the 9006 socket grommets down into the back of the connector around the pins.



PROJECTOR INSTALLATION

Installation of the brackets can vary greatly based on the application. The most common use is to trace the existing projector on to the RetroQuik bracket and then trim the bracket down to suit that size.



RetroQuik Bracket



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

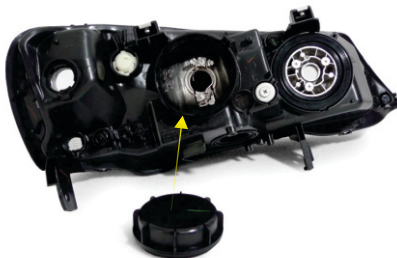
Separate low and high beam bulbs; When you can access the bulb from the back of the headlight without removing any caps or covers. Wiring for the bulb is visible and accessible outside of the housing.



PROCEED TO PAGE 8

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 10

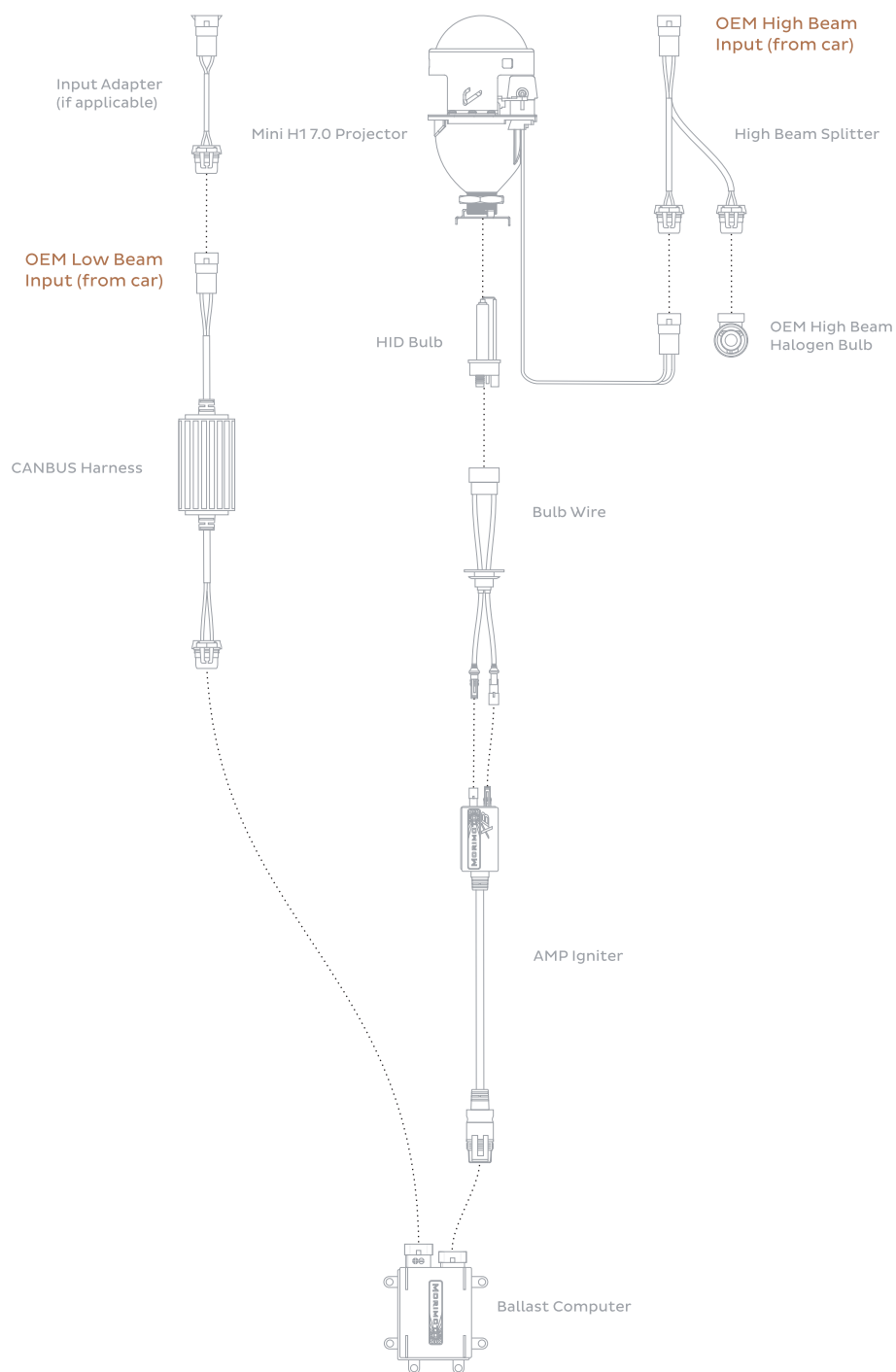
DUAL FILAMENT

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.

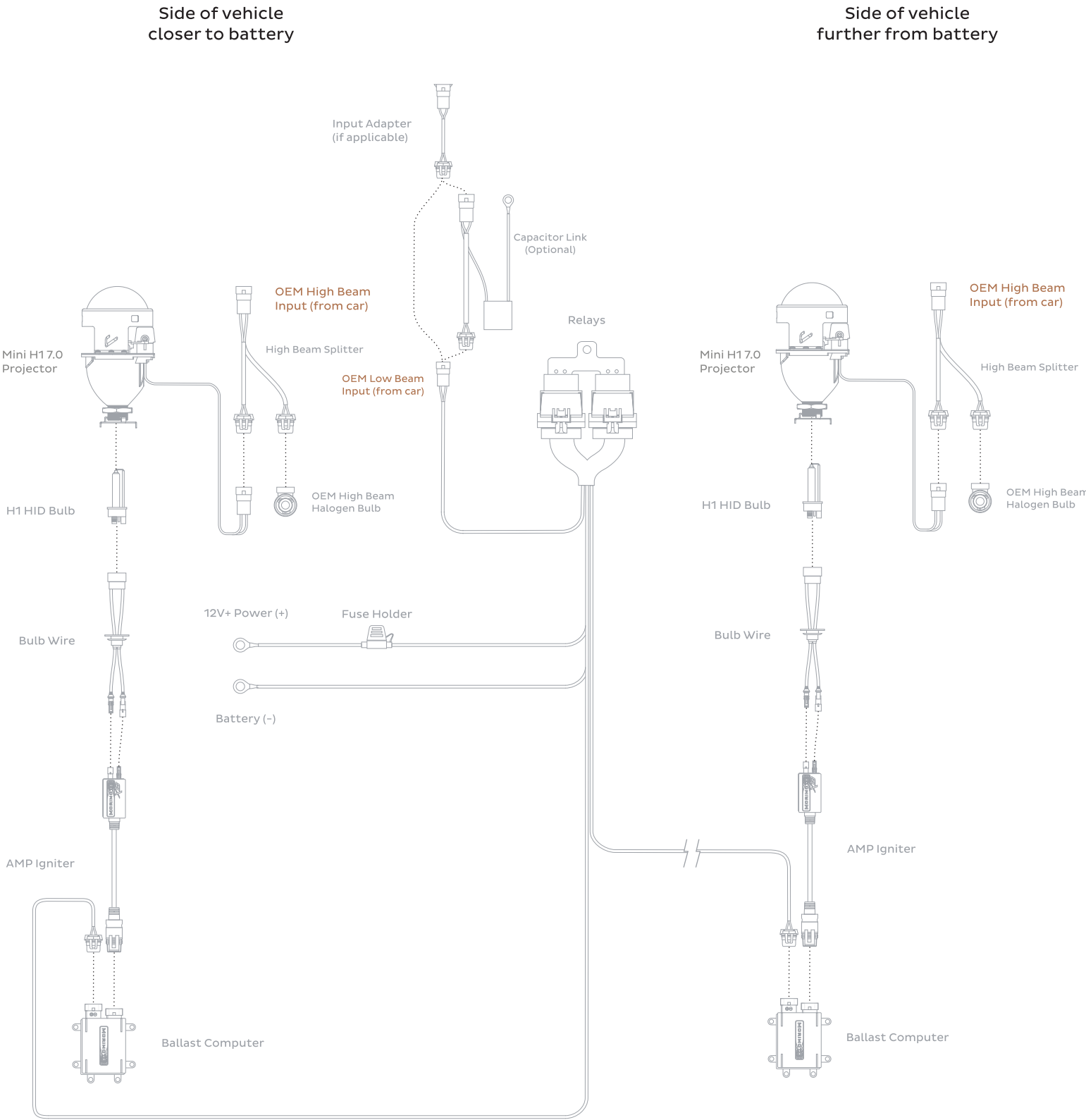


PROCEED TO PAGE 12

NOTE: this diagram is for one side of the vehicle. Copy this layout for both sides to complete the install.

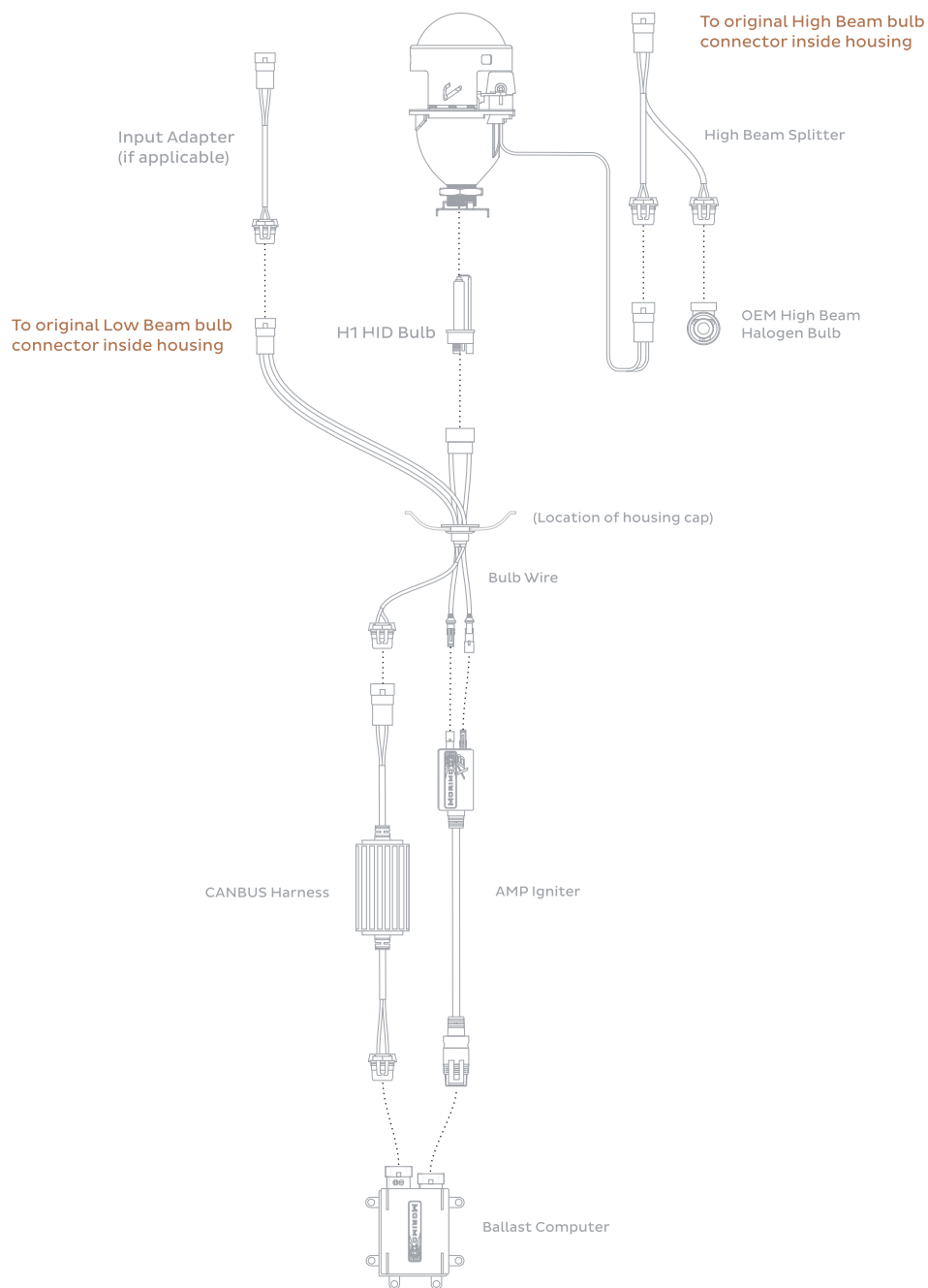


 Skip to Page 14 for component-specific procedures



 Skip to Page 14 for component-specific procedures

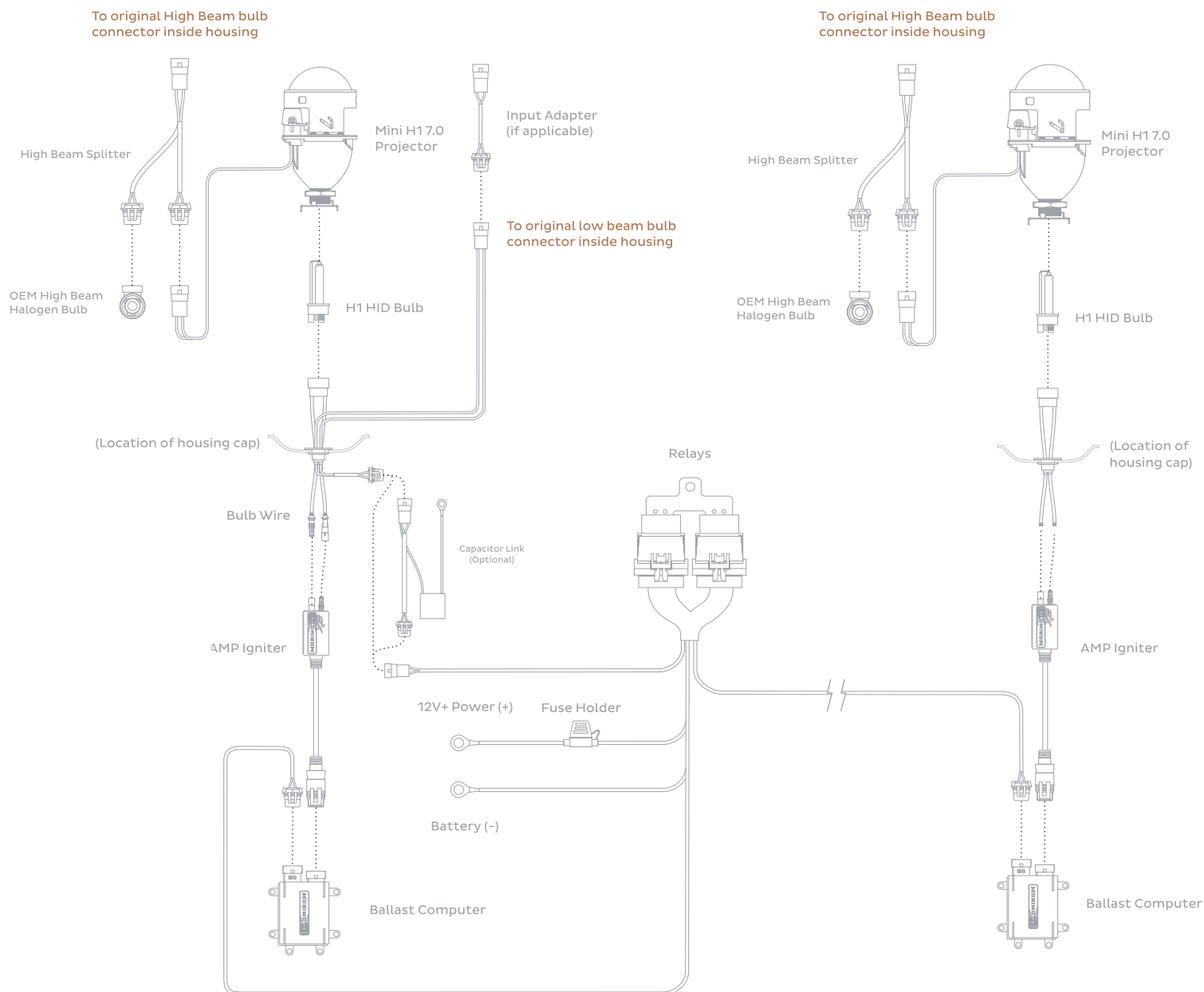
NOTE: this diagram is for one side of the vehicle. Copy this layout for both sides to complete the install.



 Skip to Page 14 for component-specific procedures

Side of vehicle
closer to battery

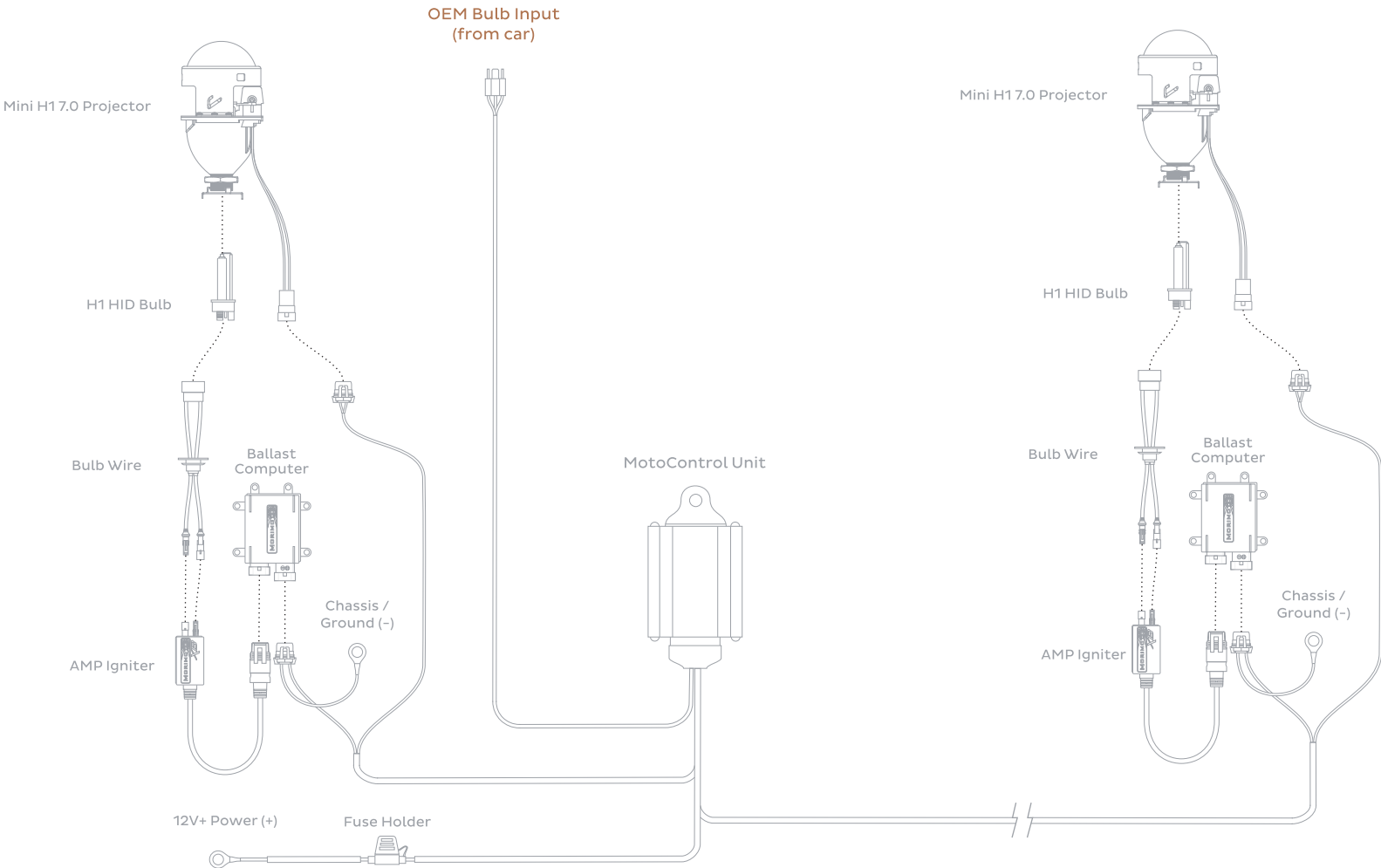
Side of vehicle
further from battery



 Skip to Page 14 for
component-specific
procedures

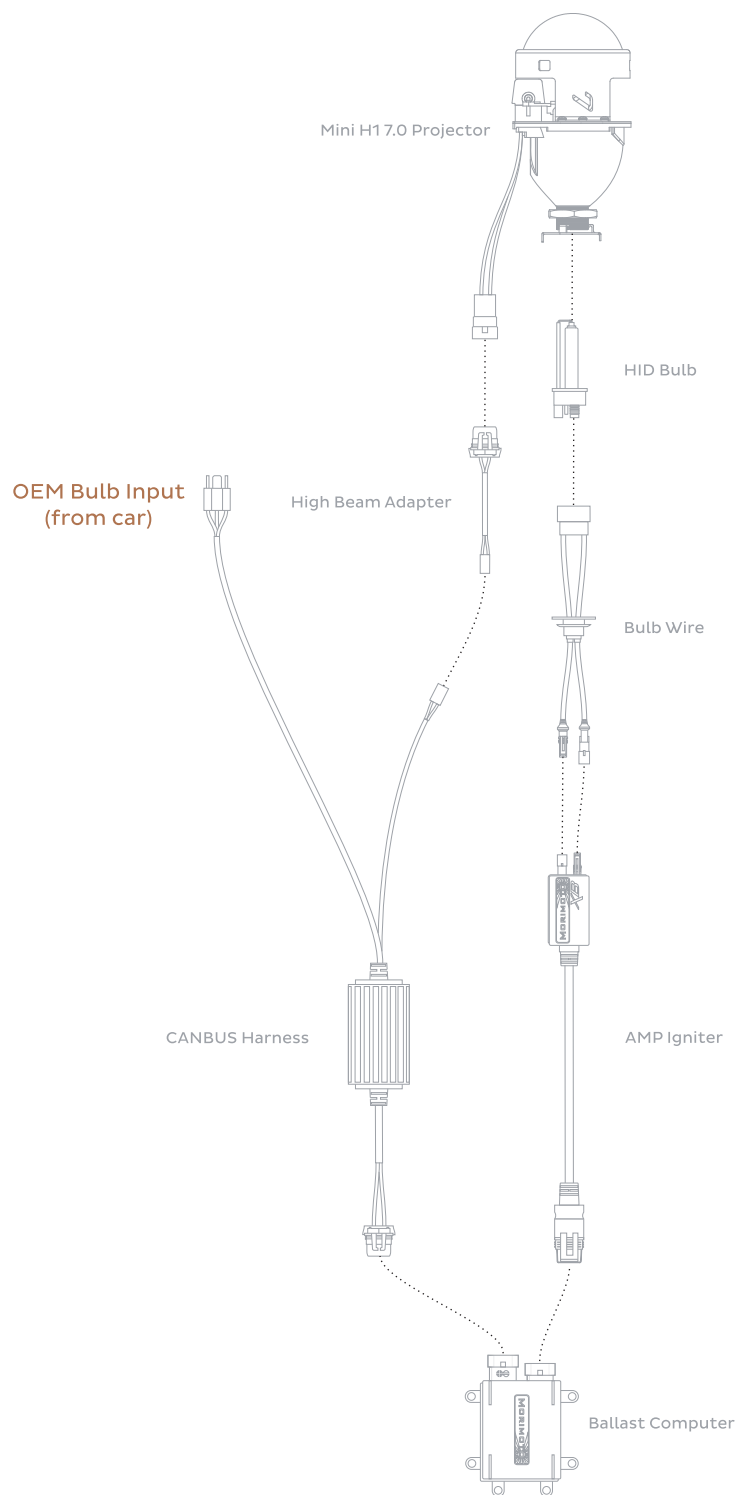
Side of vehicle
closer to battery

Side of vehicle
further from battery



 Skip to Page 14 for
component-specific
procedures

NOTE: this diagram is for one side of the vehicle. Copy this layout for both sides to complete the install.

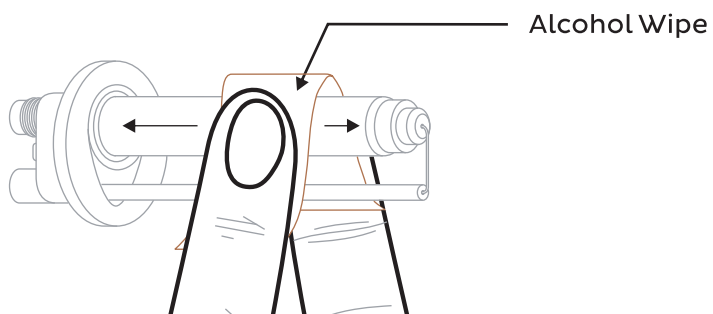


 Skip to Page 14 for component-specific procedures

BULB INSTALLATION

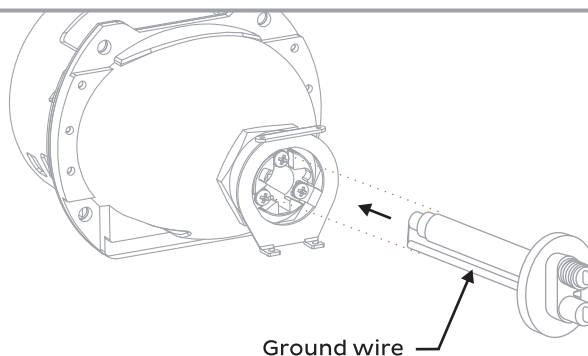
1

Using an alcohol wipe, clean the glass capsule of the HID bulb.



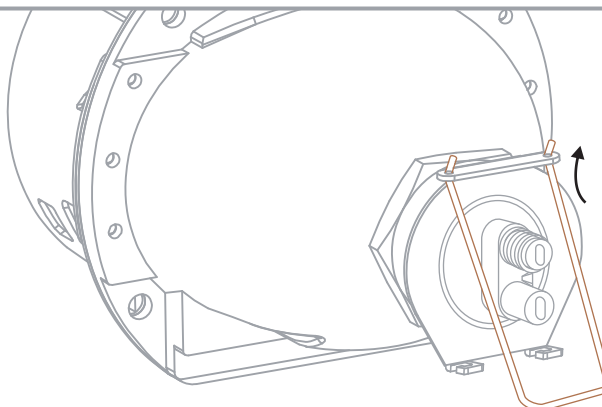
2

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



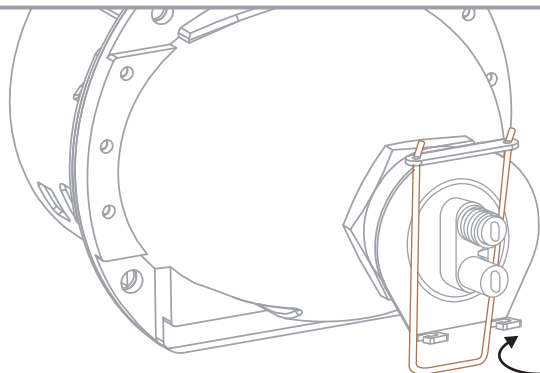
3

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



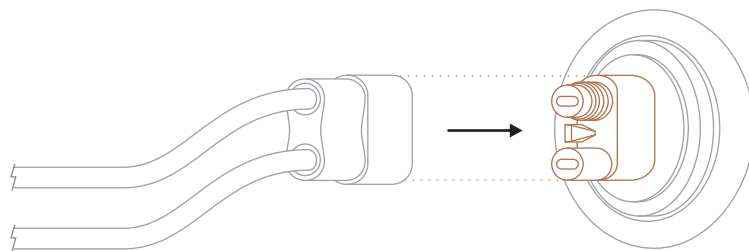
4

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



5

Click bulb wire connection onto bulb. Ensure the internal tab is fully latched.



ARE YOUR HEADLIGHTS...



INTERNALLY WIRED?

OR

EXTERNALLY WIRED?



PROCEED TO STEP 6

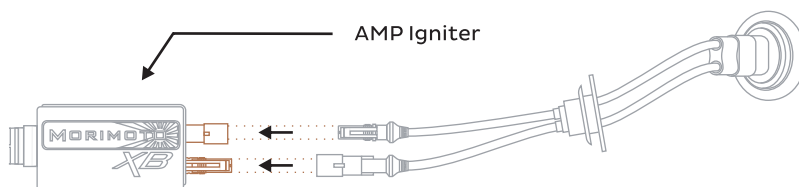


SKIP TO PAGE 17



6

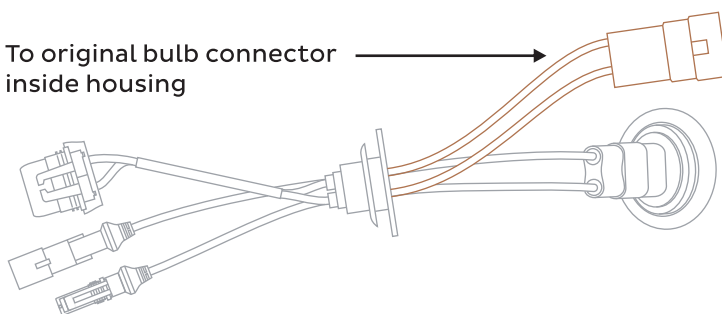
Click male and female AMP connectors into igniter. Ensure tabs are fully latched.



7

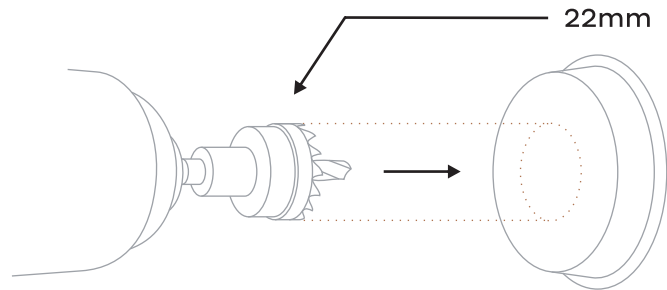
Inside the housing, connect the pass-through wiring into the original bulb connector. NOTE: Style may vary.

To original bulb connector inside housing



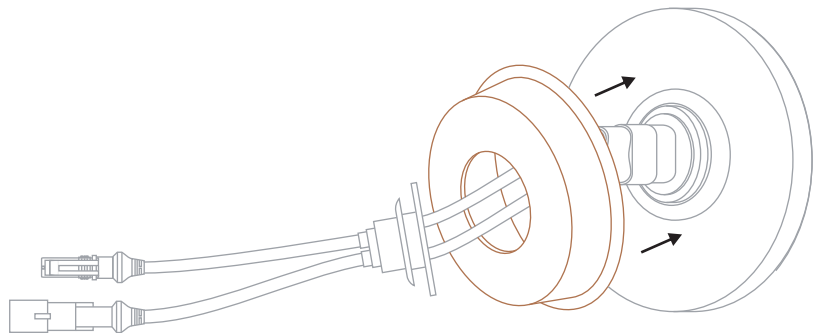
8

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



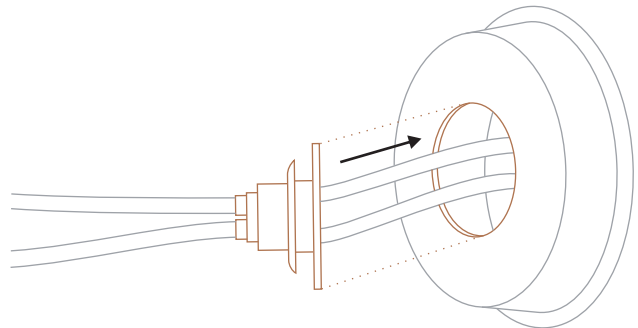
9

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



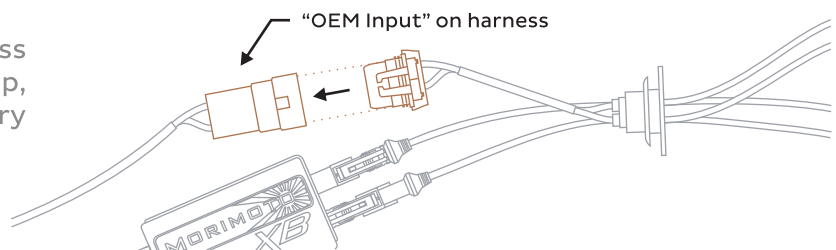
10

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



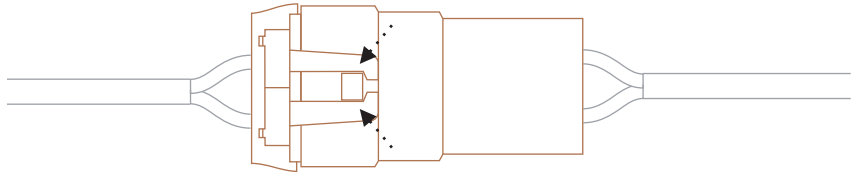
11

The last connector is the harness input. On the relay harness setup, only the side closer to the battery is needed.

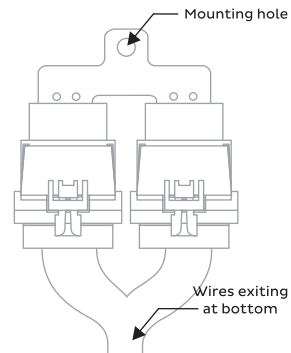


HARNESS INSTALLATION

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



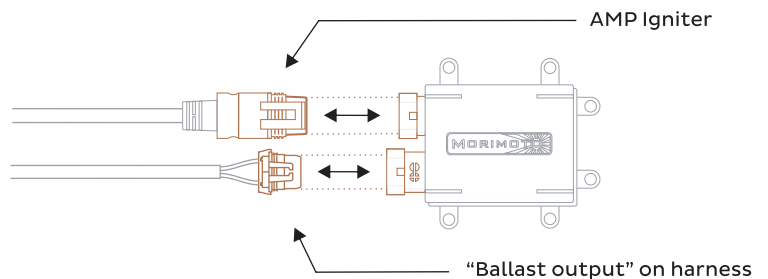
The mounting hole is used to hang the relay(s) from and allow the wires to exit at the bottom. This minimizes the chance of water being able to enter the connector.



BALLAST INSTALLATION

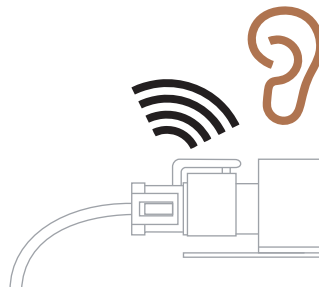
1

Connect "Ballast Output" from harness to the ballast input and AMP igniter to ballast.



2

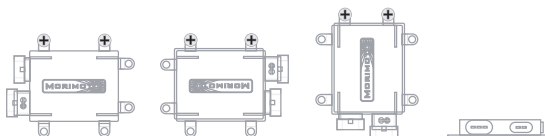
Listen for click of connectors to ensure they are fully seated!



3

Do not mount ballast with connectors aimed upward!

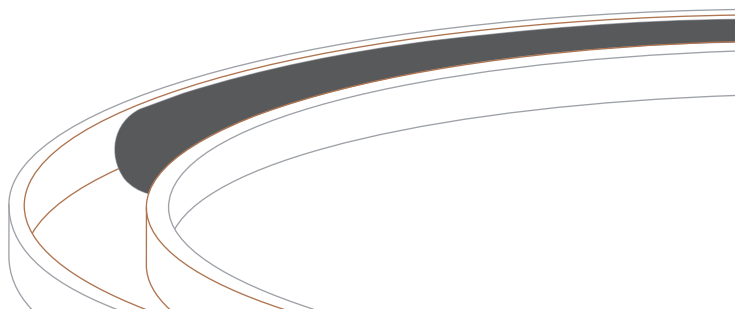
Recommended mounting:



RETRO RUBBER SEALANT INSTALLATION

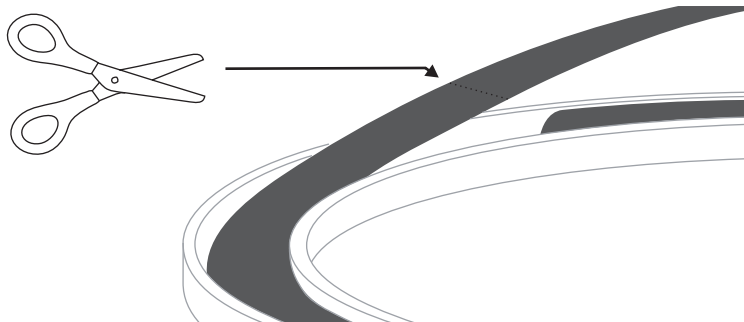
1

Place bead of RetroRubber sealant in channel of headlight housing as shown. Fill the majority of the channel to ensure it sufficiently holds the front lens once re-installed.



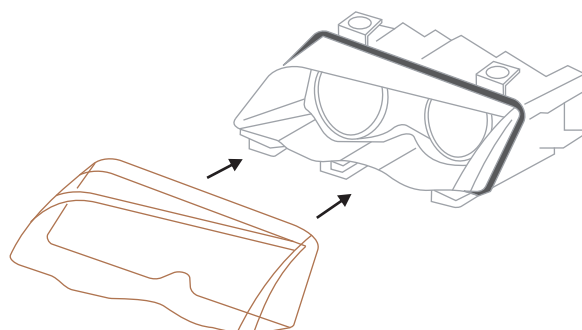
2

Use scissors to cut the Retro Rubber once the entire circumference of the housing has been filled.



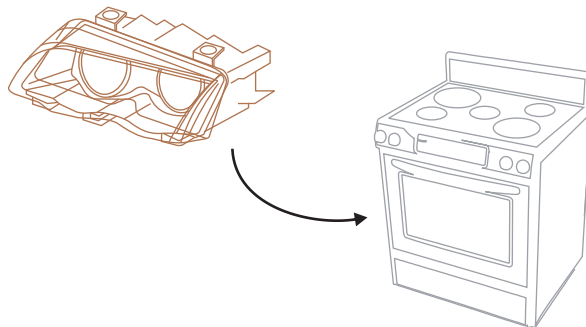
3

Re-fit the headlight lens back over the channel in the headlight housing and press gently.



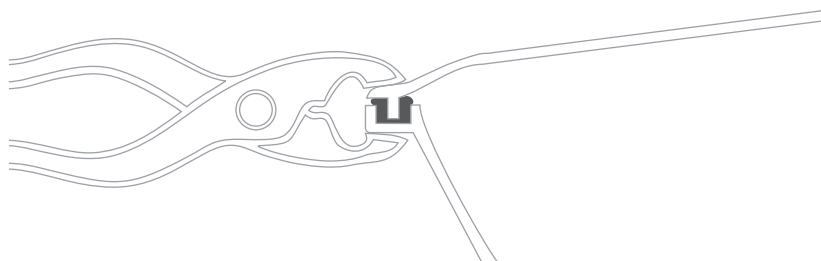
4

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



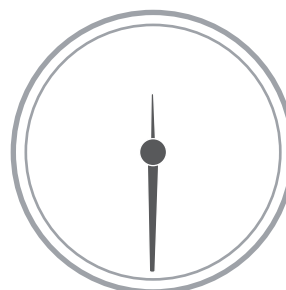
5

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



6

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



00:30:00



Installation is now complete. Make final aiming adjustments now.