

MERCEDES SPRINTER (2018+)

FOG UPGRADE KIT INSTRUCTIONS



WHAT'S INCLUDED

- Lamp Holder with Carbon-2 DRIVE (Yellow Dip) pre-mounted (LH/RH)
- Positioning Templates (LH/RH)
- Two-Lamp Wiring Kit
- Load Resistor (x2)
- Black T-25 Torx Security Screws (x16) & Security Bit
- T-30 Torx Security Bit
- Screw Clips (x6)

TOOLS REQUIRED

- Pry Tool
- Socket Set/Spanner (10mm & 13mm)
- T-20 Screwdriver
- T-25 Security Bit
- 3mm Drill Bit
- Wire Cutters
- Wire Strippers
- Multi Tool
- Sharpie
- Heat Source

Also required (not included in kit):

- Cable Ties
- Masking Tape
- Loom Tape
- Crimps
- Heatshrink

MERCEDES SPRINTER WITH OE FOG LIGHTS

Please skip to page 9 for instructions for vehicles without OE fog Lights.

INSTALLATION TIME: **3.5 HOURS**

DIFFICULTY
(5/5)



PRE-INSTALLATION CHECKS

Ensure battery is disconnected (negative terminal).





STEP 1

Use a pry tool and your hands to pry the OE bezel off of the fog light assembly.



STEP 2

Remove one screw that holds the fog light in place using a T-20 screwdriver.



STEP 3

Unplug the lamp and remove from bumper housing.



STEP 4

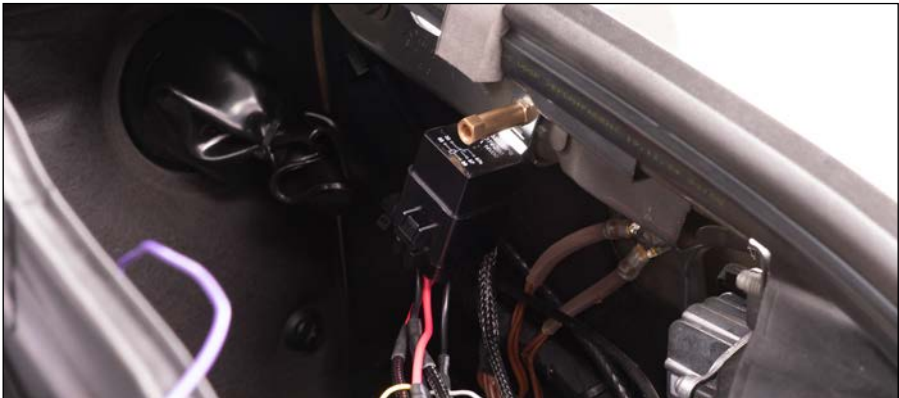
Cut off fog light H11 Connector and use included crimps to connect the resistor to the vehicle fog light wires.

(Passenger resistor should be mounted to bottom of frame instead of the side)



STEP 5

Trim section of bumper as shown.



STEP 6

Mount relay from supplied harness in the engine bay.



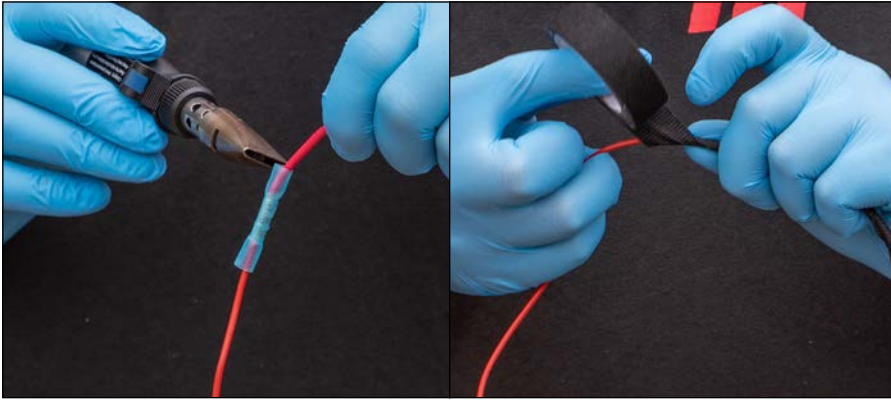
STEP 7

Extend the battery connection wire from the supplied wiring kit by first cutting off the fuse holder and ring terminal. Temporarily remove the fuse from the fuse holder to prevent a live feed (short circuit risk) during cable routing.



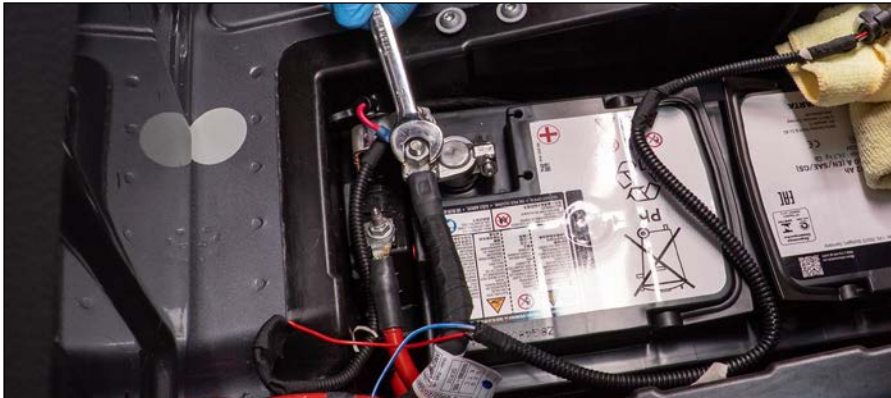
STEP 8

Attach additional red wire (supplied in kit) to the fuse holder with supplied crimp.



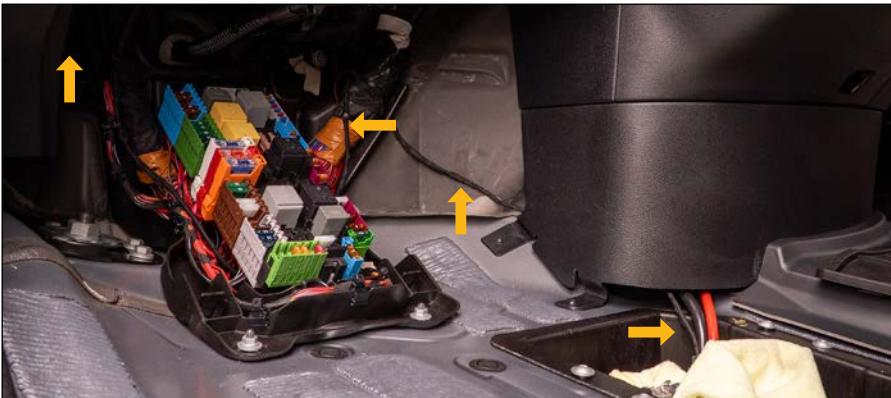
STEP 9

Heatshrink the crimp and loom tape up the wire.



STEP 10

Connect fuse holder to battery.



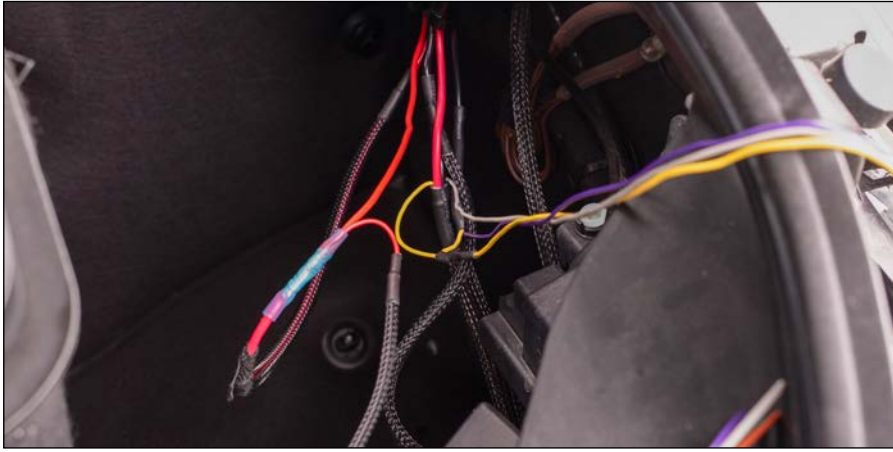
STEP 11

Run the wire out to the engine bay, following as much original wiring as possible.



STEP 12

Pass the cable through to the engine bay.



STEP 13

Connect the wire back to the relay power lead. In our case, we are also using CANNY so have connected its power here also. Ground for the relay and canny are connected to the jump start negative post.



STEP 14

Pass lamp connectors down from the relay through the bumper.



STEP 15

Pass the right hand wire across the front of the vehicle – securing wires as you go.



STEP 16

Plug in the lamps.



STEP 17

Place the bezel into the fog pocket and visually align to shape, taking care to ensure the lamp is horizontal.

Drill 8x 3mm pilot holes.



STEP 17a

Note - the screw positions shown should align with 'notched' pilot holes in the fog pocket and require screws to be inserted with supplied screw clips.



STEP 18

Place the bezel back into the fog pocket making sure the screw clips clip into the bumper (squeezing the bezel above/below the lamp can aide positioning).

Secure the bezel with the remaining x6 screws (per side). Take care not to over torque the screws.



STEP 19

Repeat steps on opposite side.

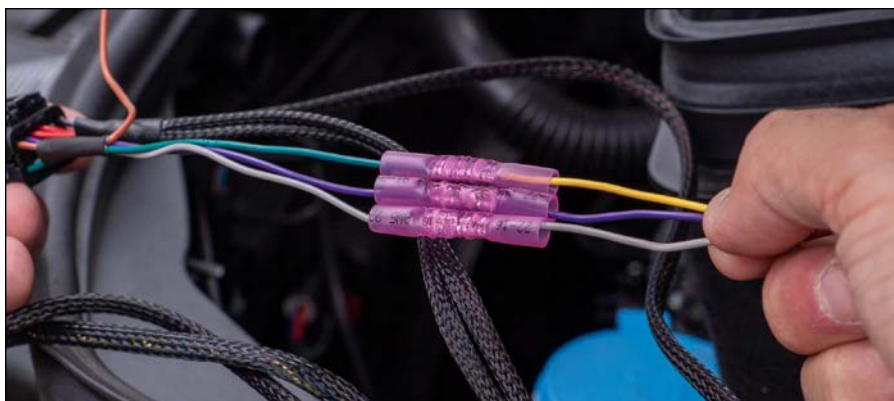
Wiring diagrams supplied on page 18.



STEP 21

Next steps are only for customers that are using a CANNY interface:

Connect canny to the left hand headlight CAN wires. In our case we have used a contactless reader.



STEP 22

Connect purple, grey and yellow from supplied fog loom to the outputs from CANNY.



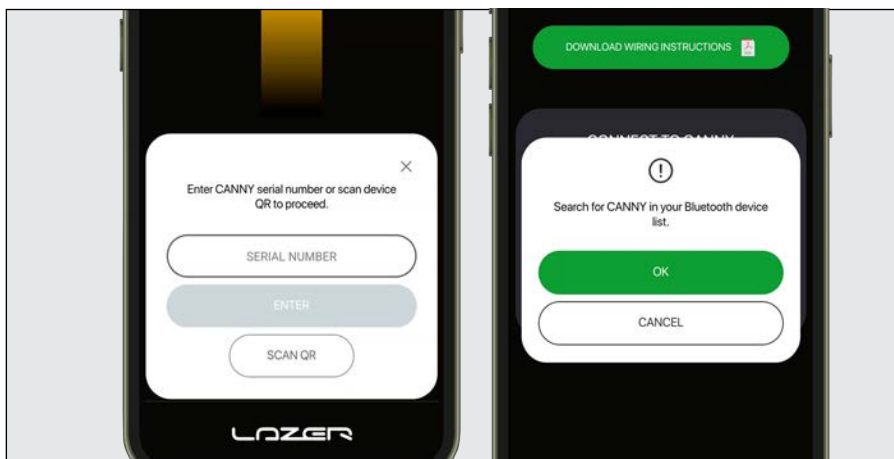
STEP 23

Connect CANNY to the harness and find suitable place to mount the device.



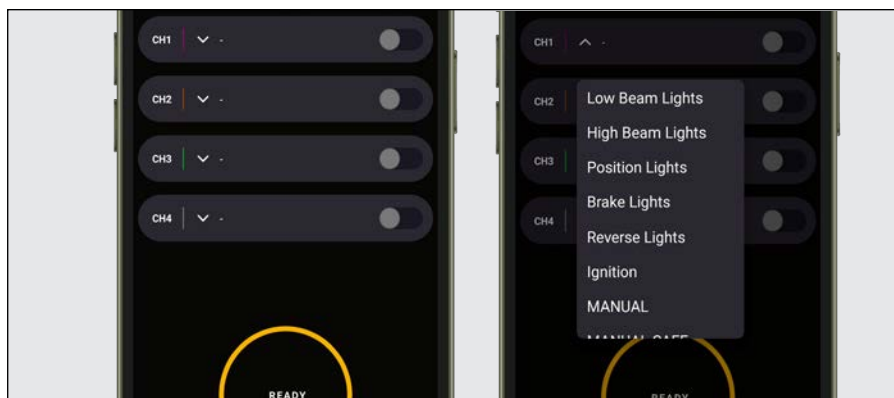
STEP 24

Insert fuse into holder, and reconnect vehicle battery.



STEP 25

Download and open the CANNY.LZR app and go through the steps to load Mercedes Sprinter 2018 vehicle configuration.



STEP 26

Configure outputs:
Purple – Front Fog
Grey – High Beam
Yellow – Ignition



STEP 27

If using a Smart Button:
Place the smart button in a suitable place and set-up and configure via the CANNY app.



FINAL CHECKS

Ensure battery is reconnected.

Test that the lights are working correctly before re-assembling the vehicle.

MERCEDES SPRINTER WITHOUT OE FOG LIGHTS

INSTALLATION TIME: 3.5 HOURS

DIFFICULTY
(5/5)



PRE-INSTALLATION CHECKS

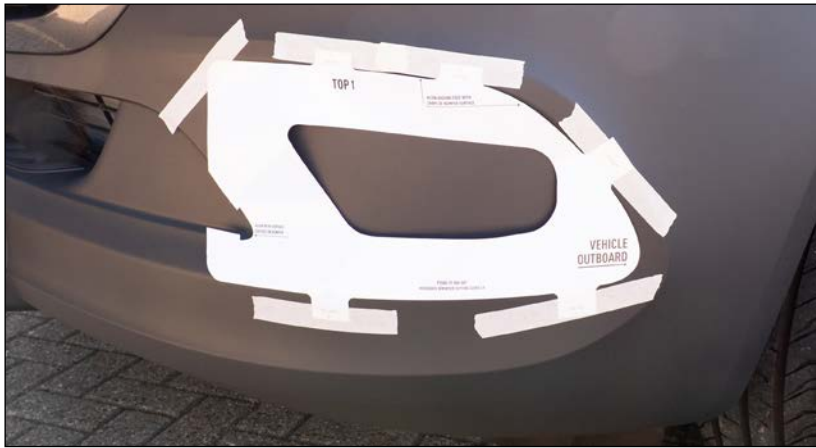
Ensure battery is disconnected (negative terminal).



STEP 1

Identify the correct cutting guide for each side of the vehicle.





STEP 2

Attach the templates to the bumper using tape.



STEP 3

With sharpie or similar, draw around the inner opening of the cutting guide. (this does not need to be super accurate at this point)



STEP 4

With a multi tool, cut the bumper following the line you have drawn on.



STEP 5

Check the light pod fits through the hole you've cut.



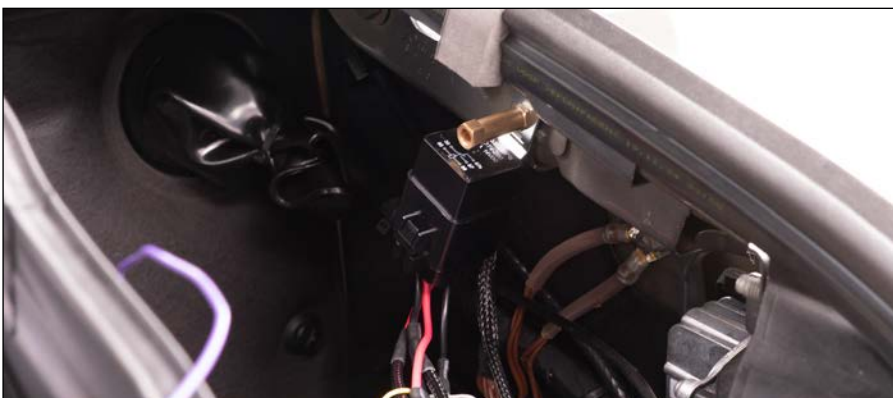
STEP 6

Repeat cut on the opposite side.



STEP 7

Use a file to tidy up rough edges.



STEP 8

Mount relay from supplied harness in the engine bay.



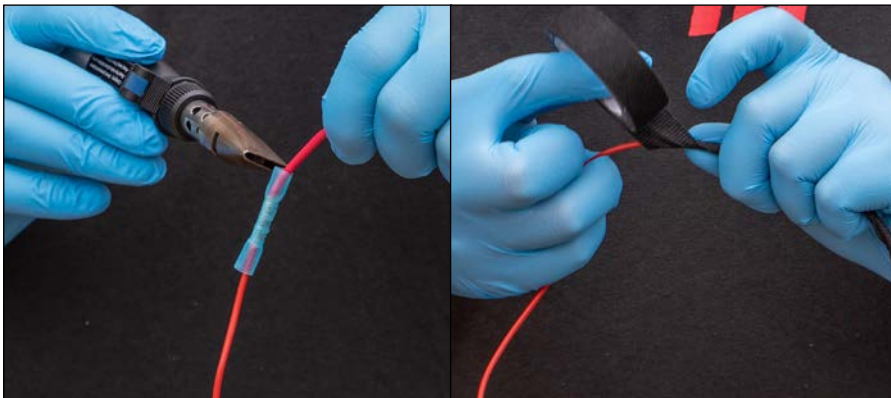
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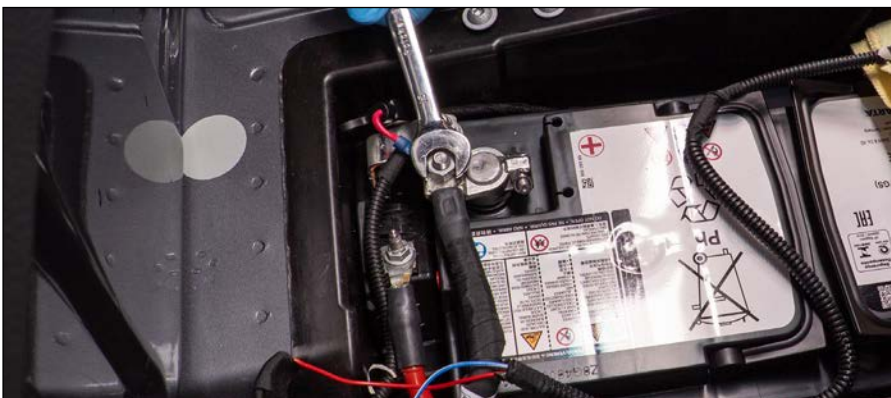
STEP 10

Attach additional red wire (supplied in kit) to the fuse holder with supplied crimp.



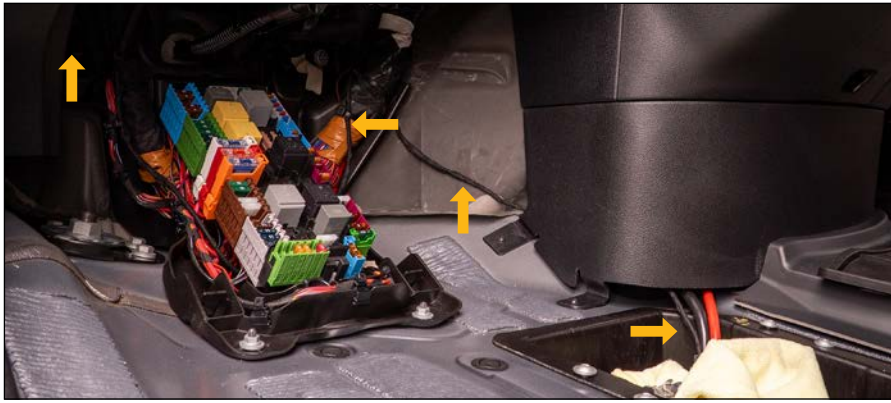
STEP 11

Heatshrink the crimp and loom tape up the wire.



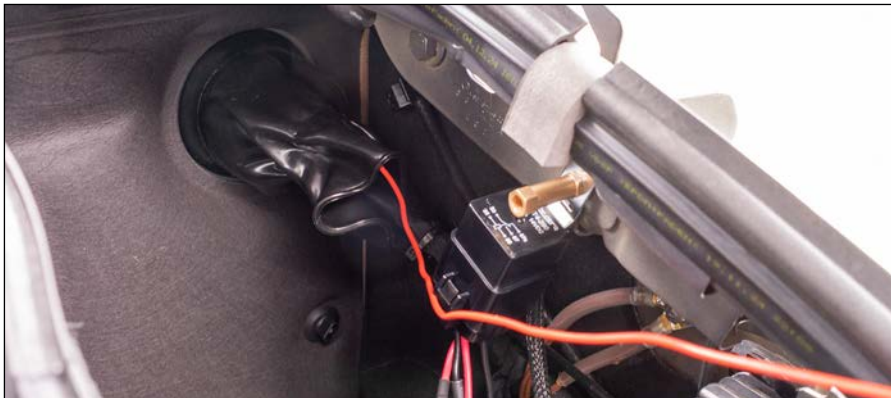
STEP 12

Connect fuse holder to battery.



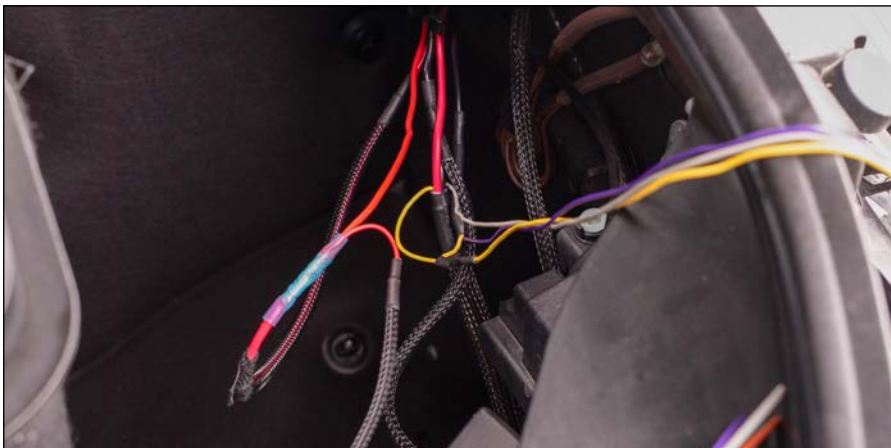
STEP 13

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Pass the cable through to the engine bay.



STEP 15

Connect the wire back to the relay power lead. In our case, we are also using CANNY so have connected its power here also. Ground for the relay and canny are connected to the jump start negative post.



STEP 16

Pass lamp connectors down from the relay through the bumper.



STEP 17

Pass the right hand wire across the front of the vehicle – securing wires as you go.



STEP 18

Plug in the lamps.



STEP 19

Place lamp pod in bumper, making the lamp as level to the ground as possible.

Drill 3mm pilot holes in the 2x fixing holes.



STEP 20

Fix the pod using the supplied T25 screws.



STEP 21

Repeat for the other x6 holes, being careful to not over torque the screw in the soft plastic bumper.



STEP 22

Repeat on opposite side.

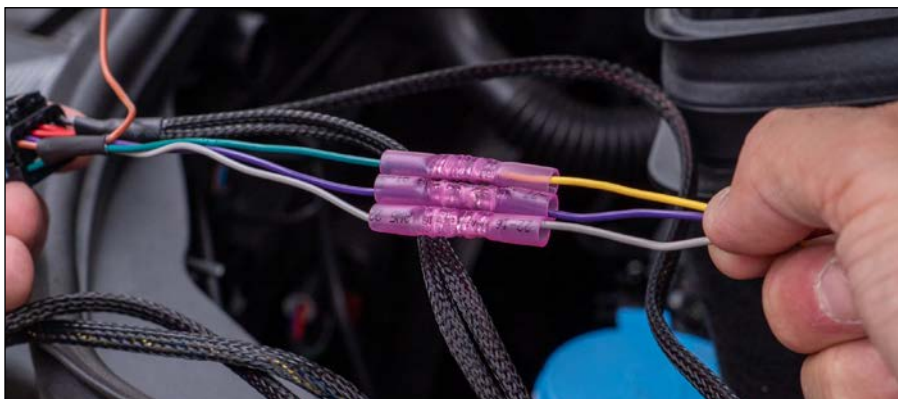
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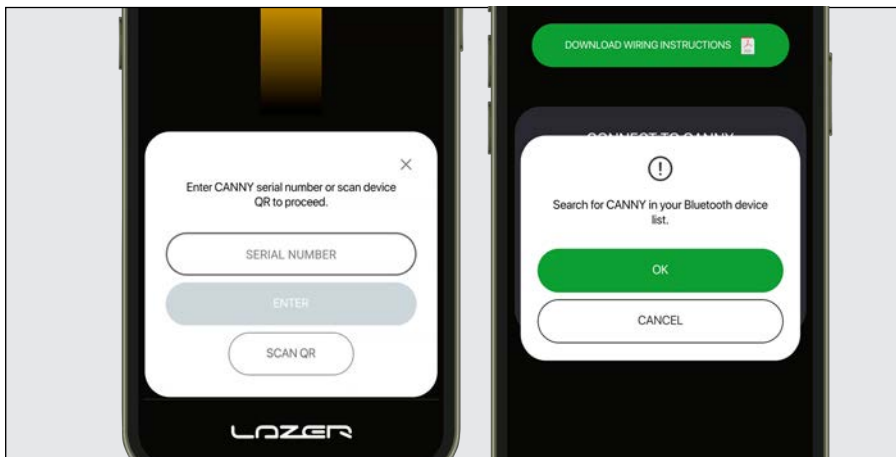
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Connect CANNY to the harness and find suitable place to mount the device.



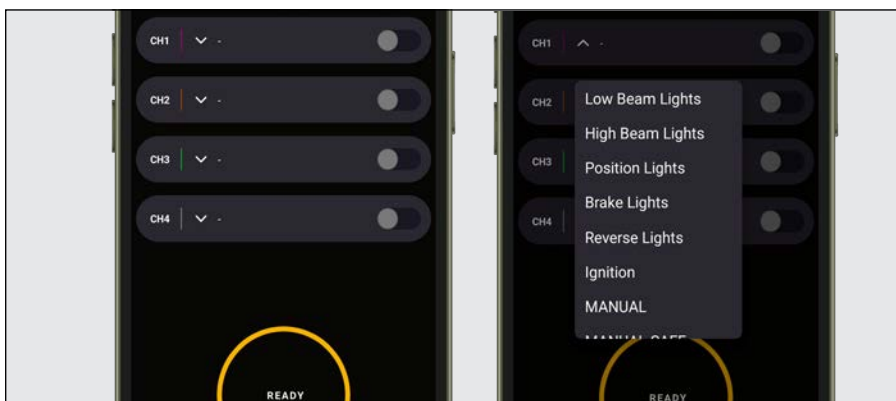
STEP 26

Insert fuse into holder, and reconnect vehicle battery.



STEP 27

Download and open the CANNY.LZR app and go through the steps to load Mercedes Sprinter 2018 vehicle configuration.



STEP 28

Configure outputs:
Purple – Manual
Grey – High Beam
Yellow – Ignition



STEP 29

If using a Smart Button:
Place the smart button in a
suitable place and set-up
and configure via the
CANNY app.

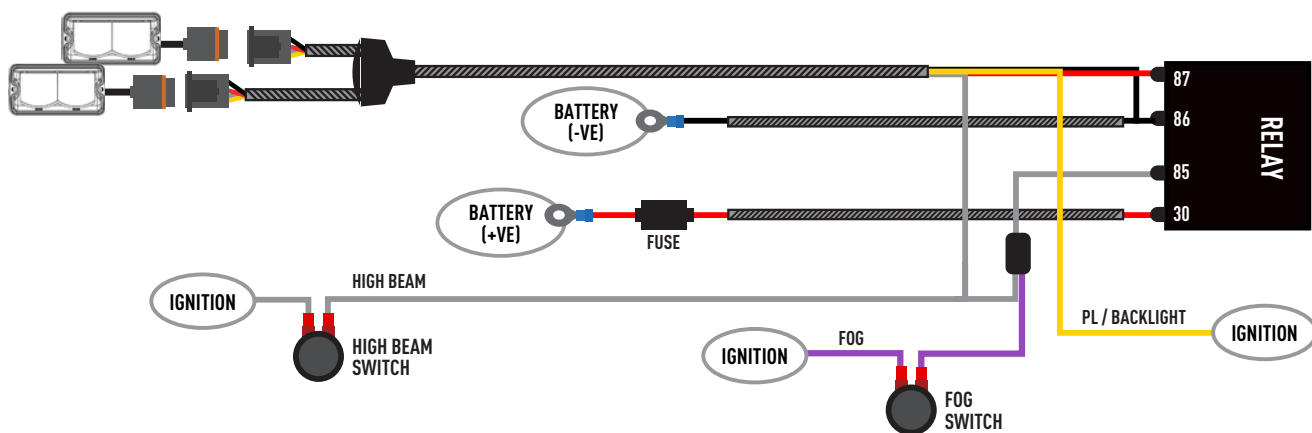


FINAL CHECKS

Ensure battery is
reconnected.

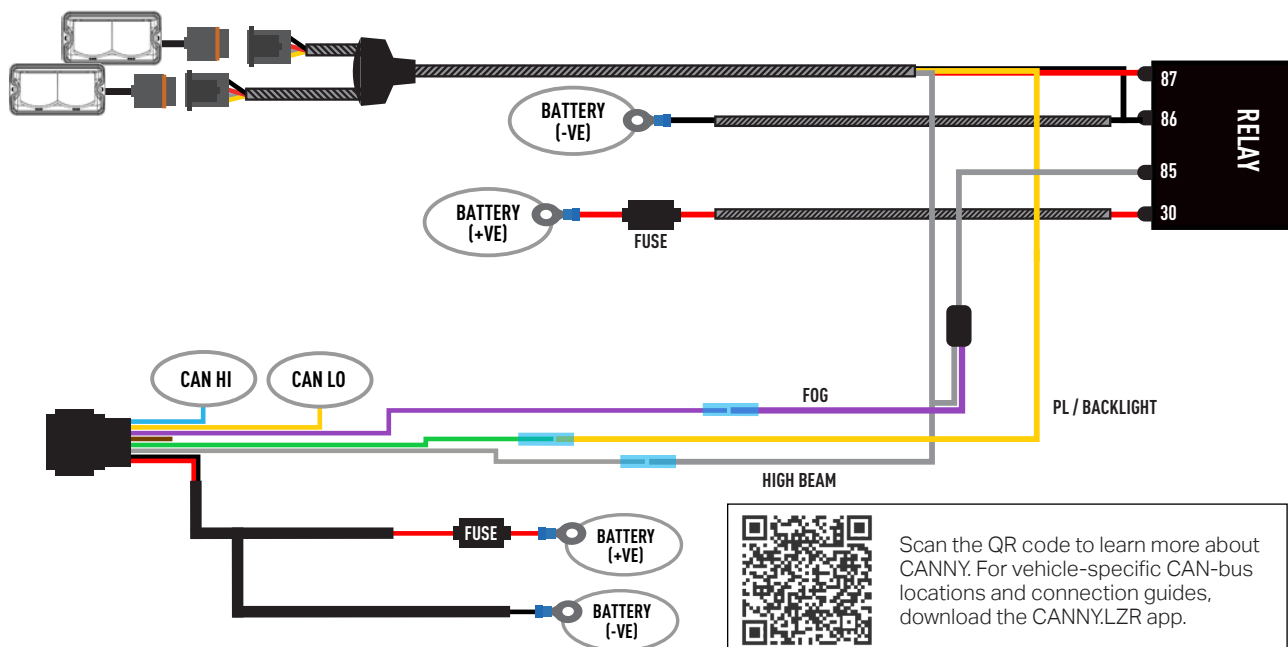
Test that the lights are
working correctly
before re-assembling
the vehicle.

OPTION 1: NO CAN



OPTION 2: WITH CANNY

(Sold separately - CANNY Smart Button also available)



Scan the QR code to learn more about CANNY. For vehicle-specific CAN-bus locations and connection guides, download the CANNY.LZR app.