

TOYOTA LAND CRUISER 250 (2024+)

FOG LIGHT UPGRADE KIT INSTRUCTIONS



WHAT'S INCLUDED

- Lamp Holder with 2x Carbon-2 DRIVE (Yellow Dip) pre-mounted (LH/RH)
- Black lens covers for lamps (x2)
- Lamp Holder Bezel (LH/RH)
- Positioning Templates (LH/RH)
- Two-Lamp Wiring Kit
- Black T-25 Torx Security Screws (x10) & Security Bit
- VHB Cleaning Sachet (x2)

TOOLS REQUIRED

- Socket Set/Spanner (10mm & 13mm)
- Pick Set
- Bucket
- Drill
- 3mm Drill Bit
- T25 Security Bit
- Wire Cutters
- Wire Strippers
- Heat Source
- 2nd Person to help with the bumper.
- Multi Tool
- Sharpie

Also required (not included in kit):

- Cable Ties
- Heat Shrink
- Loom Tape
- Masking Tape
- Crimps

FOG LIGHT UPGRADE KIT INSTRUCTIONS

INSTALLATION TIME
3.5 HOURS

DIFFICULTY - 5 / 5



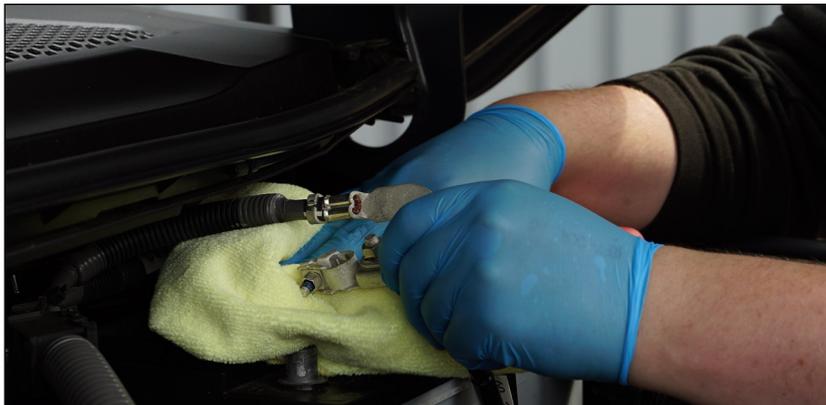
IMPORTANT:

Ideal bonding temperature is 70°F to 100°F (21 - 38°C.) Minimum application temperature is 50°F (10°C); below 50°F the VHB™ tape becomes firm and will not wet out correctly. Use a roller to apply even pressure over the outer surface of the part, or hold by hand for 20 minutes. We strongly suggest leaving the vehicle and/or bezels in a garage or indoors overnight to allow the parts to reach a normalized temperature before installation.

PRE-INSTALLATION CHECKS

STEP 1

Ensure all vehicle systems are fully operational prior to install, and directly afterwards.



STEP 2

Ensure battery is disconnected: Remove negative on battery and insulate.

BUMPER REMOVAL



STEP 1

Remove the 8x push clips to remove the front cover.



STEP 2

Remove the lower corner caps, 3x 10mm bolts and 2x push rivets each side of the vehicle.



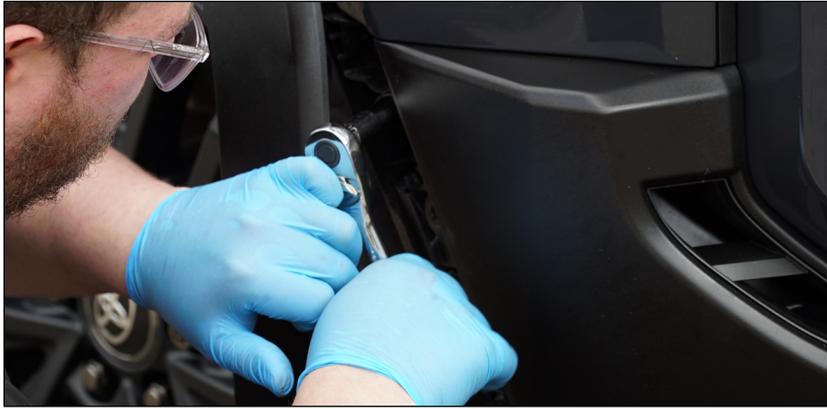
STEP 3

Remove the centre lower protection trim, 2x 10mm bolts and 1x push rivet .



STEP 4

Remove the remaining bolts (8x 10mm) from under the bumper.



STEP 5

Unclip arch extensions and remove the hidden fixings, 2x 10mm bolts, 2x push rivets per side.



STEP 6

Remove the 3x remaining 10mm bolts at the top of the bumper.



STEP 7

Unclip bumper below the headlights.



STEP 8

With another person, lift off the bumper and remove the wiring connections on each side (see next steps).



STEP 8.1

Connections to remove:

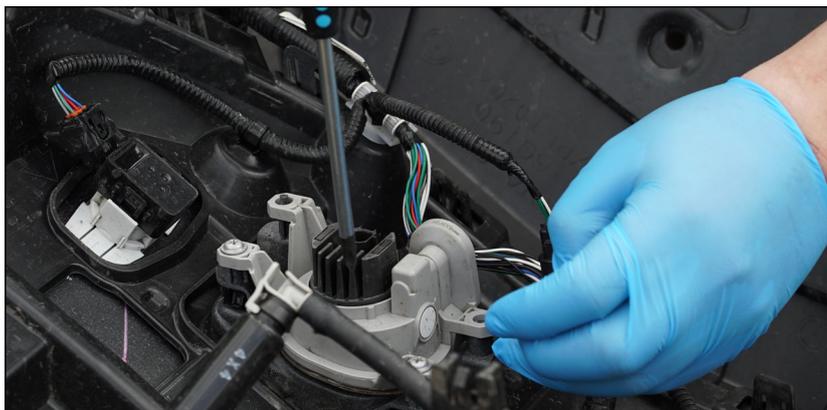
- Multi plug on right hand side
- Single plug for camera on left hand side.
- Models with washer jet have a quick-release hose on left hand side also.



STEP 8.2

Use a bucket to collect spilt washer fluid.

MODIFYING THE BUMPER



STEP 1

With the bumper on a secure stand, remove original fog lights.



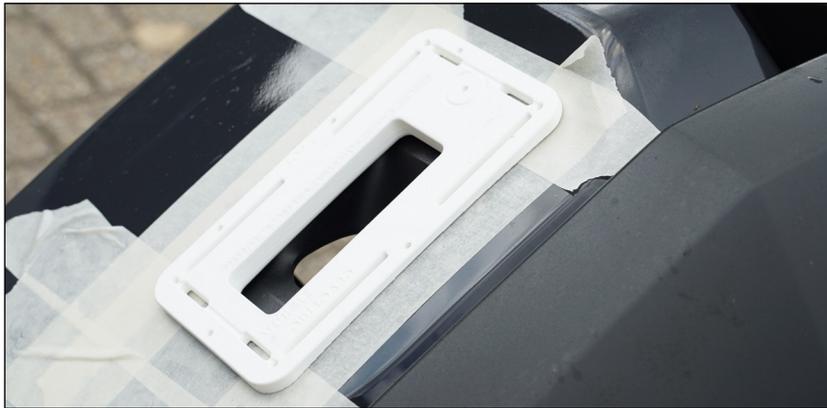
STEP 2

Mask up bumper in the cutting area



STEP 3

Move the wiring harness out the way of cutting area (where you have masked on the front).



STEP 4

Place the cutting guide template over the masking tape – noting markings on the guide for the correct side.



STEP 5

Using a sharpie or similar, draw your cut mark and drill holes onto the masking tape.

There is a small amount of movement in the guide. Make sure they are in the same position each side of the car.



STEP 6

With a 3mm drill bit, drill through the 4x corner holes, leaving the additional 5x fixing holes for now.



STEP 7

Using a multi tool, cut out the rectangle you have drawn on, using the corner holes to help start.

It is fine to only go through the top skin at this point.



STEP 8

Remove cut piece.



STEP 9

Cut the inner skin to match outer cut.



STEP 10

Place the lamp in place and ensure fixing holes line up with your original markings. This is used to set the angles of the lamp.

Check if any additional trimming needs to be done.



STEP 11

Drill the x5 mounting holes using a 3mm drill bit.



STEP 12

Remove the masking tape and screw lamp housing into bumper.

STEP 13

Repeat process on the other side of vehicle.

WIRING STEPS



STEP 1

Cut off the original vehicle fog light connectors.



STEP 2

Insulate the cut wires with heatshrink.



STEP 3

Connect the Triple-R harness to the lamps.



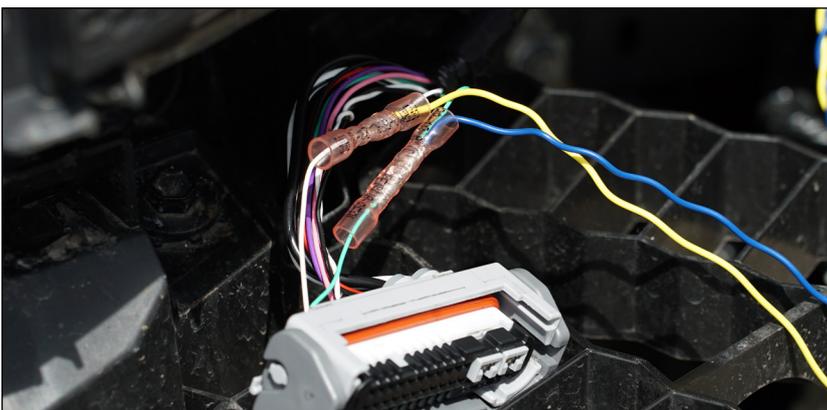
STEP 4

Secure Triple-R loom to existing wiring loom using cable ties.



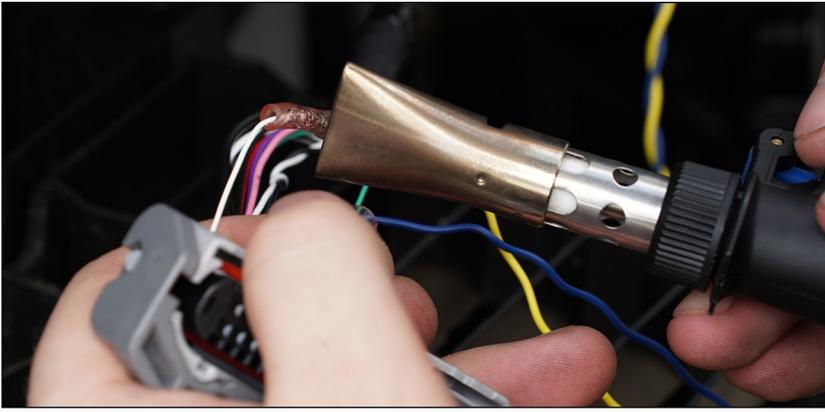
STEP 5

Remove the right hand headlight connector – this is easiest when the bumper is off.



STEP 6

Splice the CAN wires from CANNY to the vehicle CAN wires or use the CANNY contactless reader (where a no-cut solution is desired for the vehicle CAN wires).



STEP 7

Ensure the CAN splices are sealed against water ingress.



STEP 8

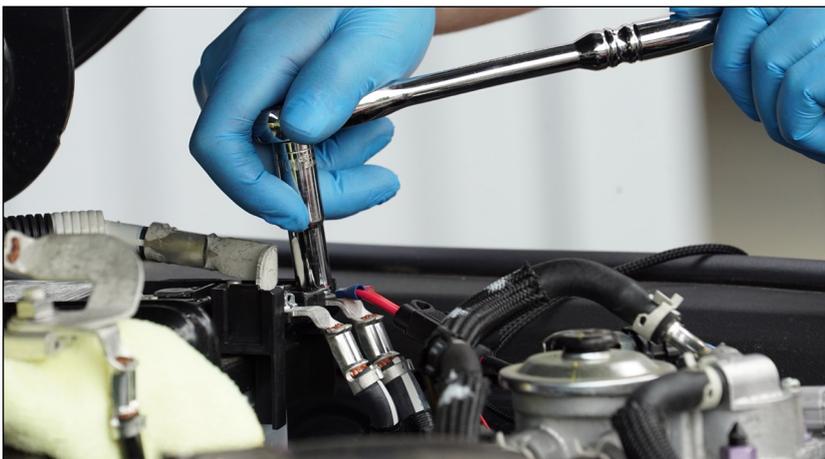
With another person, re-install the bumper, making sure to reconnect all Toyota wiring and washer hose (if applicable), and then feed the new Triple-R wiring under the RH headlight.



STEP 9

Secure relay in suitable plate.

Secure CANNY in suitable place.

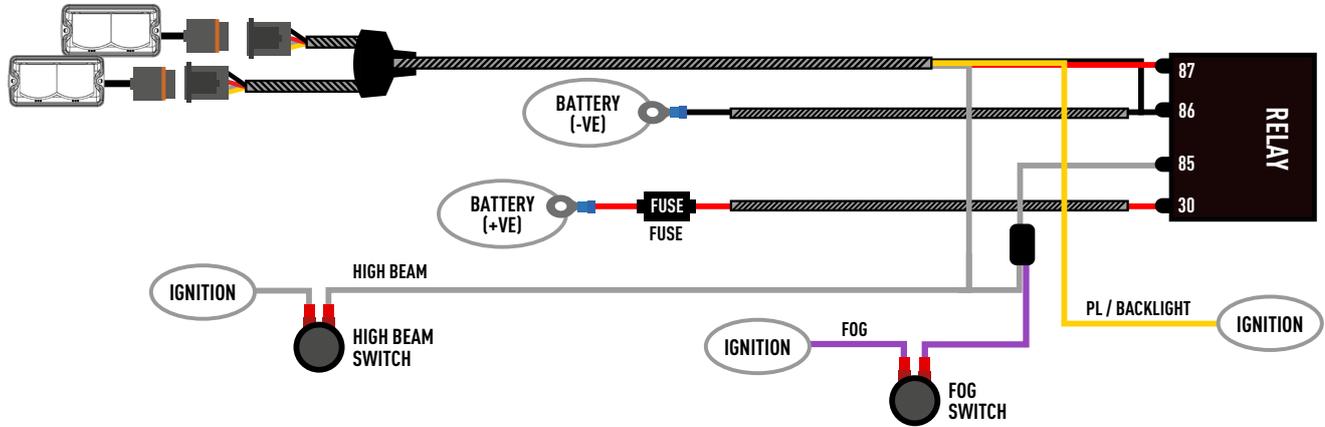


STEP 10

Make final electrical connections:

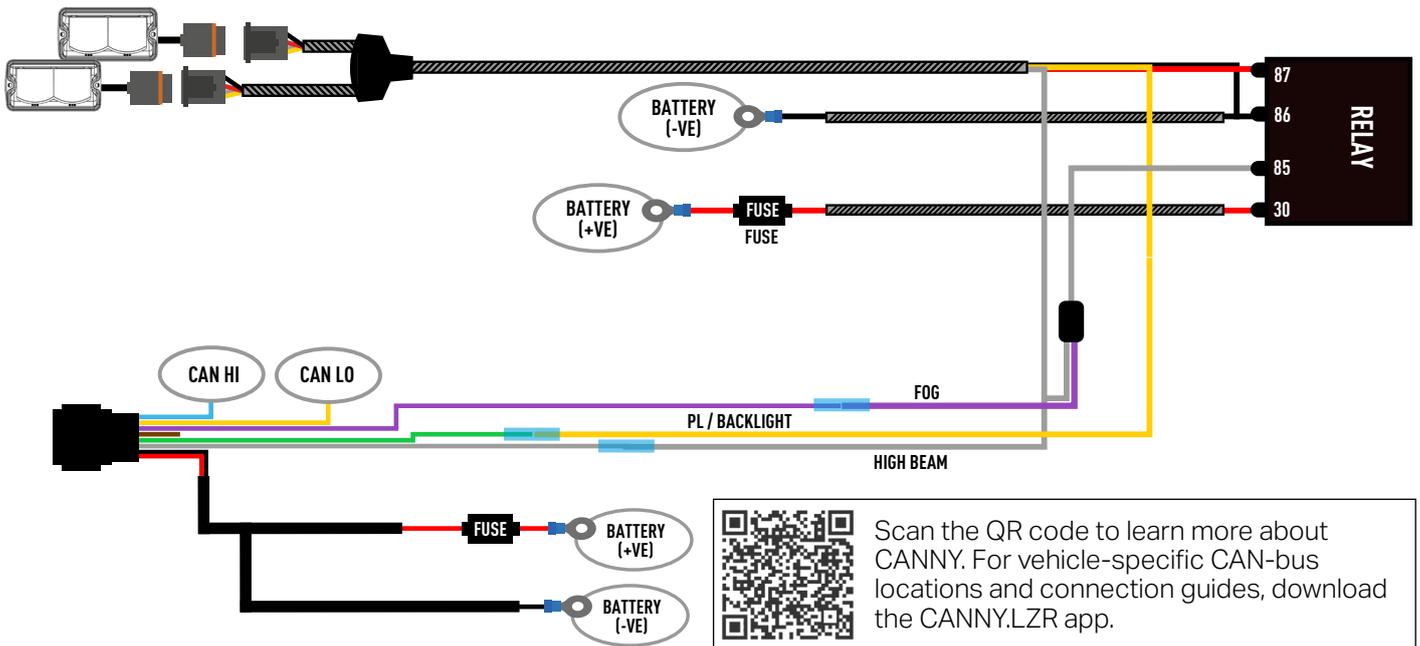
- Power and ground for the relay and CANNY.
- High beam, fog and position light from canny (grey, purple and yellow wires).
- and ST4 grille kit if fitted.

OPTION 1: NO CAN



OPTION 2: WITH CANNY

(Sold separately - CANNY Smart Button also available)

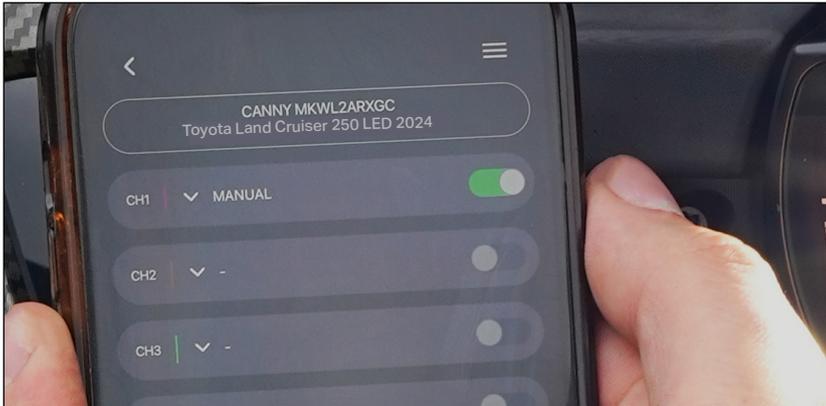


FINAL STEPS



STEP 1

Re-connect the battery negative.



STEP 2

Setup outputs in CANNY app.



STEP 3

Once all functions are tested and working, fit front covers – noting markings on the inside for the correct side/orientation.

