

Fitting Instructions



SKU

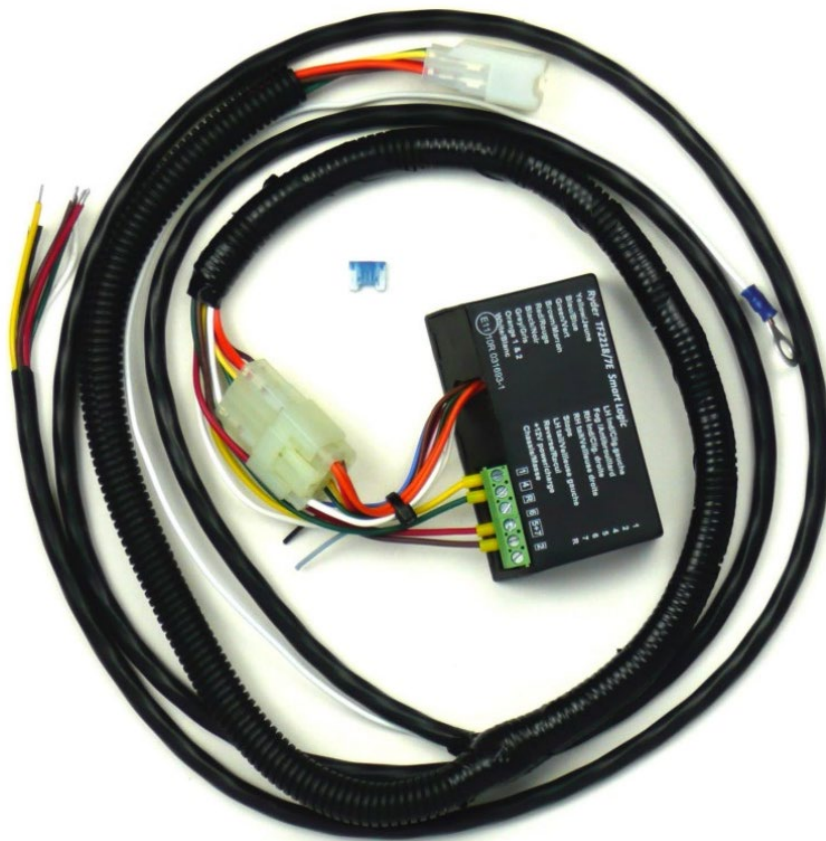
UNT271

PRODUCT

Towbar Wiring Harness for Toyota Kluger 2007-on

SPECIFICATIONS

- Approx. Fitment Time: 45 Minutes
- Dealer Coding Required: No
- RPA override: 2007-2021 No
- RPA override: 2021-on: Must be manually disabled via centre cluster
- Plug & Play: Yes



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version of these
instructions

TOOLS REQUIRED

- Drill
- 3mm Drill Bit (2021 & earlier)
 - 30mm Hole Saw (2021 & earlier)
 - Rust preventer / Touch-up paint
 - Spanners
 - Sockets
 - Pliers.
 - Trim Removal Tool
 - Screw Drivers

IN THIS GUIDE

- Fitment Instructions
- Warnings
- Warranty Info

Important Information



Warning:

- This unit is designed to bypass the electronic control module in the vehicle.
- This unit will not require dealer coding.
- **This vehicle has a dedicated fuse for the trailer harness located in the engine bay which must be 15A. This fuse must never be removed or changed to a higher rated fuse.**
- Inform the customer of the location of the 15A fuse and the fitting instructions.
- Contact an authorised TAG distributor or the TAG fitment center – (07) 3208 3022 – if further information is required.
- Before towing with your vehicle, please refer to the vehicle Owner's Manual for trailer towing information.

PRECAUTIONS:

- Make sure to read and understand these instructions before commencing installation.
- If possible, refer to the vehicles' workshop manual when removing and refitting vehicle components.
- Disconnect the negative terminal cable from the battery before installation.
- Before disconnecting the negative terminal, ensure that the engine switch and the lighting switches are OFF
- Disconnection of the negative battery terminal will result in the loss of memory of the radio and other devices. Ensure to make a back-up of the memory before disconnecting the negative terminal and restore the memory after installation (refer to Owner's Manual for memory restoration procedure).
- Take care not to damage the vehicle during installation.
- Make sure to wipe off any stains, oils & fats completely from the area of installation prior to installation.
- When disconnecting the connectors, first unlock them, then separate the connectors by pulling on the connectors themselves rather than the cables.
- When connecting connectors, push them against each other until the lock clicks.
- Never pull on the harness with great force.
- Always route the harness away from hot components such as the engine, radiator or exhaust pipes and mufflers.
- When reinstalling vehicle parts, make sure that the harness does not interfere or get pinched between parts.
- Never fasten the harness to high pressure pipes such as brake pipes and air conditioner pipes.
- Fasten the harness with vinyl tape or cable ties at locations where they contact vehicle parts. This will prevent damage to the harness.
- Cut off excess cable tie as close to the head as possible and avoid cutting at acute angles.
- Cut the cable ties in a way that the cut edges point downwards.
- Tighten each bolt/nut securely and retighten if they come loose after test-driving.

Installation Instructions



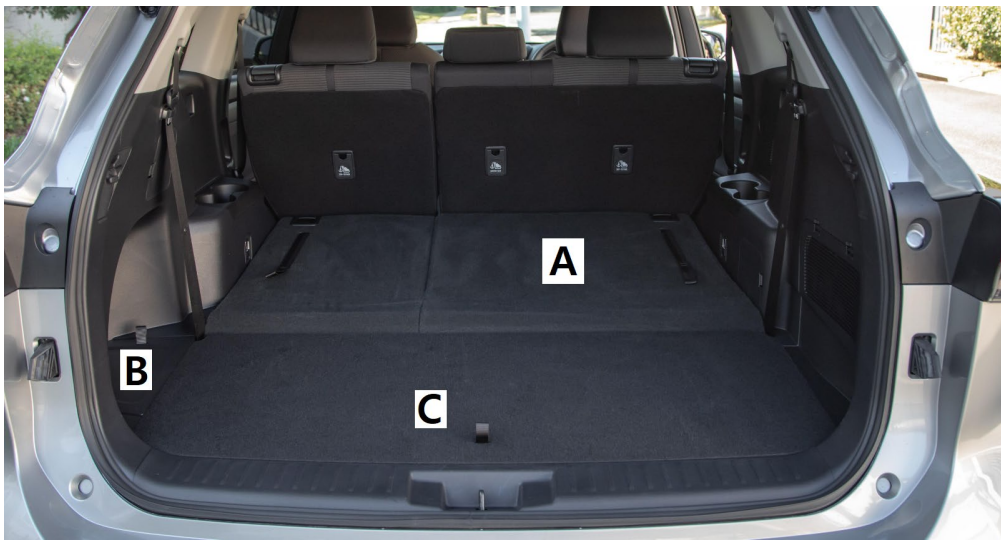
Step 1: Removal of vehicle parts



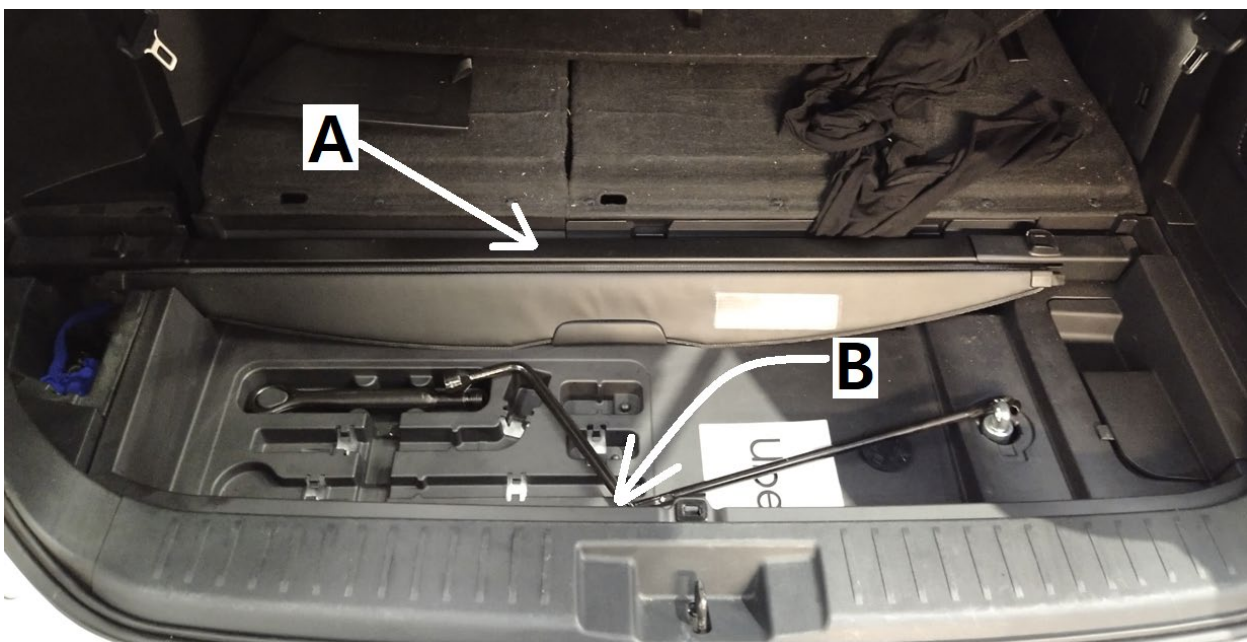
NOTE:

- Refer to vehicle workshop manual for how to remove vehicles parts.
- The removed vehicle parts will be reused therefore, keep them aside and do not lose.

1. Open the tailgate.
2. Fold the 3rd row of seats forward (A).
3. Remove the LHS floor compartment cover (B).
4. Remove / fold forward the cargo area floor cover which covers the tool tray (C).



5. Remove the cargo blind if stored in the tool tray (A).
6. Remove 1x M10 securing the tool tray to the floor panel (B).



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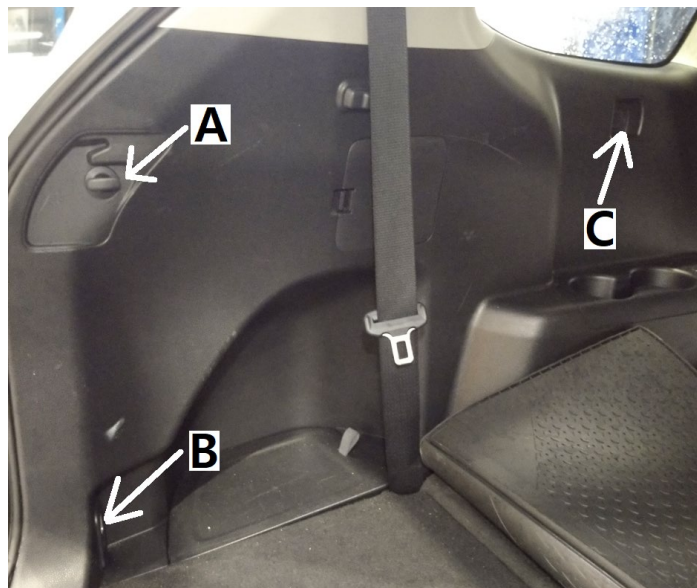
7. On the RHS rear trim panel, remove the Battery Cover and disconnect the negative terminal of the battery.



8. Remove the tool tray and set it aside.
9. Dislodge the rear scuff plate from its clips by pulling up. Remove and set aside.



10. Remove the LHS cargo net hook (A) to reveal an M10 bolt & remove
11. Remove the plastic trim from the LHS cargo anchor hook (B). Remove the M10 bolt.
12. Remove the plastic cap (C). Remove the M10 bolt.



13. Carefully dislodge the LHS trim panel enough to gain access to the trailer 6-way prewire connector.

NOTE: Care must be taken not to damage the trim.

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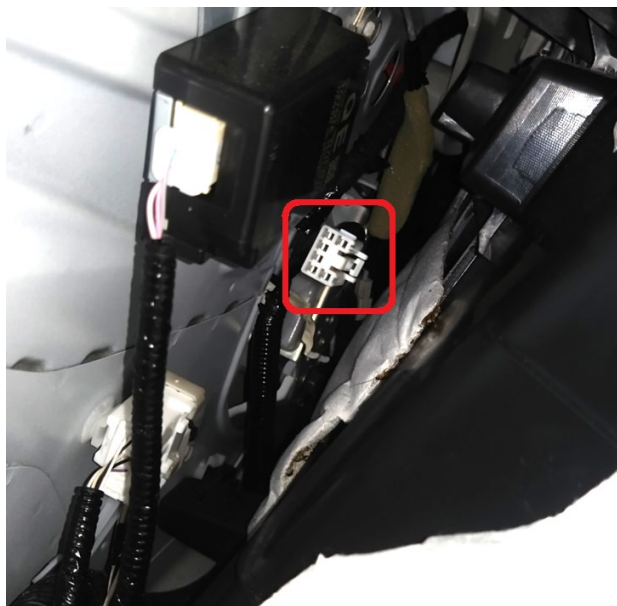
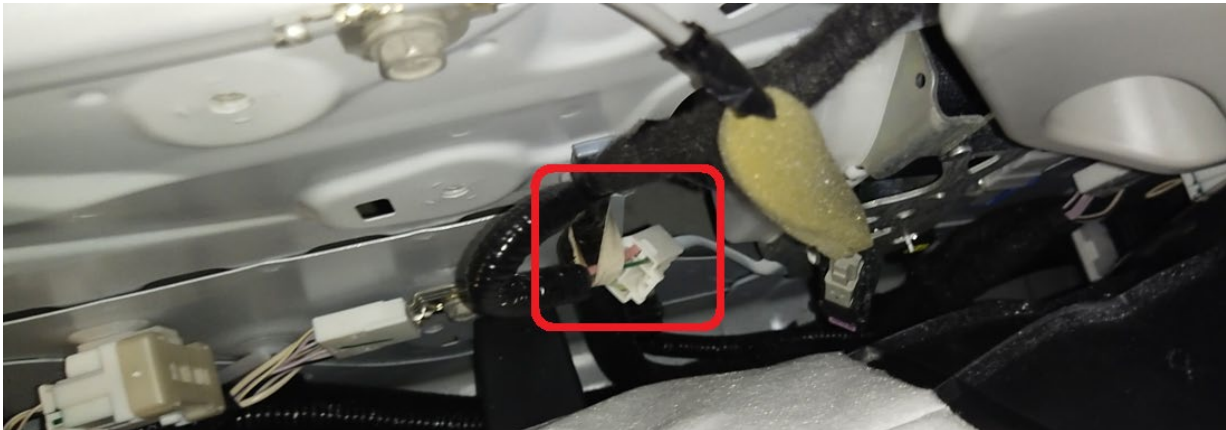


Step 2: Installation of Wiring Harness

1. The image below is an indication of where the 6-way connector is located behind the trim (shown on 2022 HEV model, location of the connector in older models is also behind the trim & maybe more towards the rear).



2. Locate the 6-wire trailer pre-wire connector. It may be taped to the vehicle harness. Remove the tape and pull the connector rearward for easier access.



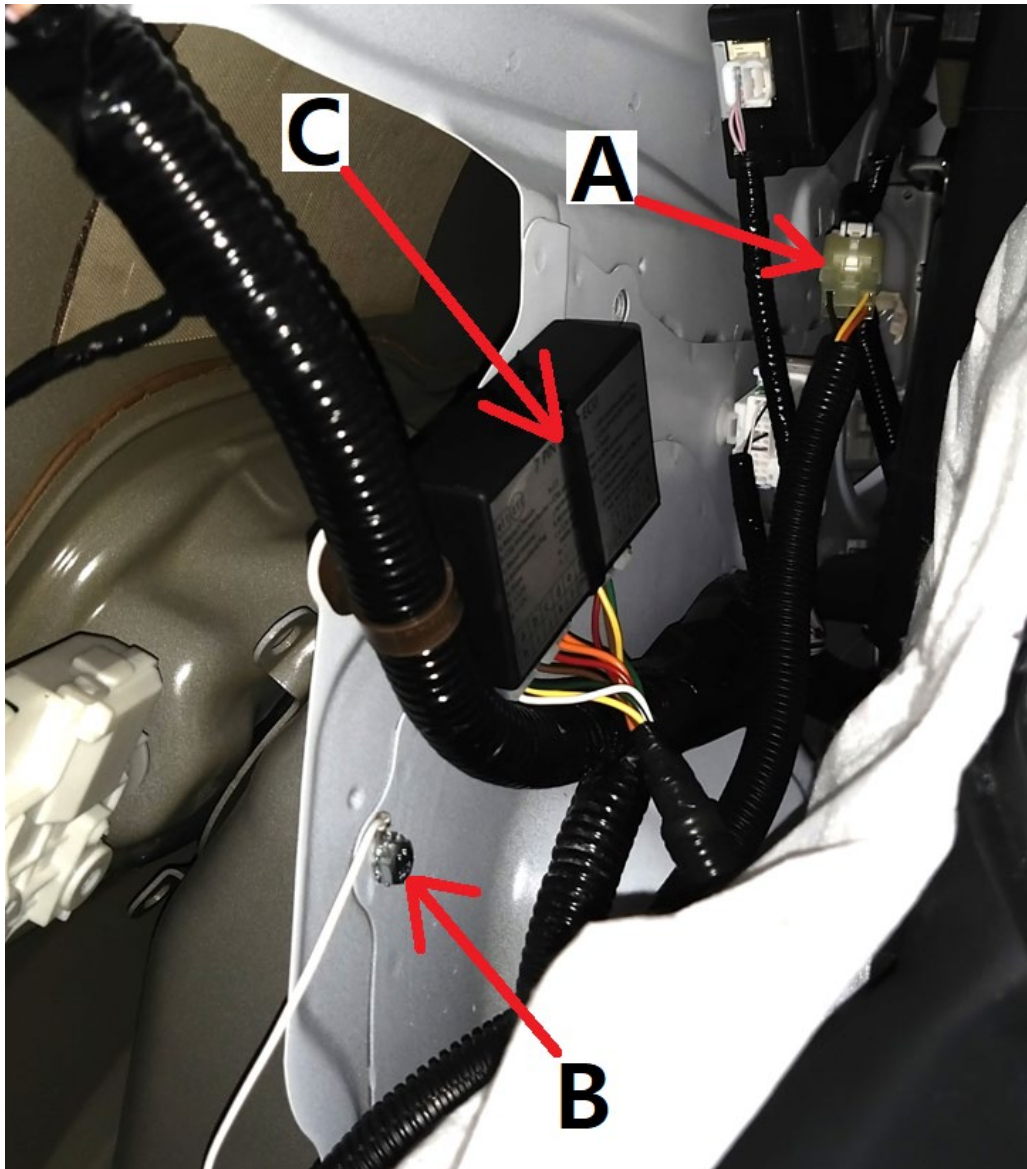
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3. Plug in the trailer harness 6-way connector to the mating vehicle connector (A).
4. Secure the trailer harness ground ring terminal to an available threaded location on the vehicle body. Use an M6 x 1 bolt & M6 shake-proof washer (not supplied) (B). Alternatively, an existing Earth point can be used.
5. Find a suitable location to mount the ECU, clean the area with an alcohol wipe (not supplied) or methylated spirits.
6. Use the double sided tape on the ECU to adhere it to the previously cleaned location (C).
7. Use cable ties (not supplied) secure the ECU to the vehicle body (C).

NOTE: Ensure the ECU connectors are pointing downward to avoid water ingress or condensation.

8. Loop the remaining harness and secure to the vehicle body using cable ties (not supplied).



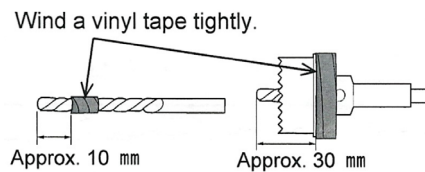
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9. Locate a rubber blanking grommet in the LHS rear quarter panel floor.
10. Cut a hole in the grommet and route the end of trailer harness (five-core cable) through to the outside of the vehicle.
11. If the grommet is being used or there is no grommet available (older vehicles), locate a suitable area in the LHS rear quarter panel and drill a $\varnothing 30\text{mm}$ hole. De-burr & apply rust inhibitor to any exposed metal. **NOTE: If this step is taken, a $\varnothing 30\text{mm}$ grommet will need to be sourced by the installer as it is not supplied in the wiring kit.**

CAUTION:

- When drilling holes in vehicle body panels, attach a stopper (vinyl tape) to the drill bit and hole saw tips to prevent them from contacting other parts of the vehicle.



12. Route the remaining trailer harness (five-core cable) toward the towbar plug mount.
13. Using the guide below, fasten the wires to a 7-Pin flat trailer socket (TAG#. UNT032).

Pin No.	Function	Cable Colour
1	Trailer Left Indicator Lamp	Yellow
2	Trailer Reverse Lamp / Aux	Black
3	Earth	White (thick)
4	Trailer Right Indicator Lamp	Green
5	Electric Brakes	Blue
6	Trailer Brake Lamp	Red
7	Trailer Tail Lamp	Brown

14. Assemble the 7-Pin flat trailer socket using the fasteners supplied.
15. Loop any excess trailer harness and secure with cable ties in a hidden location.
NOTE: Maintain a safe distance from heat and sharp edges. Ensure there is no cable hanging free.
16. Secure the trailer socket on the plug mount of the towbar with the fasteners supplied with the trailer socket.

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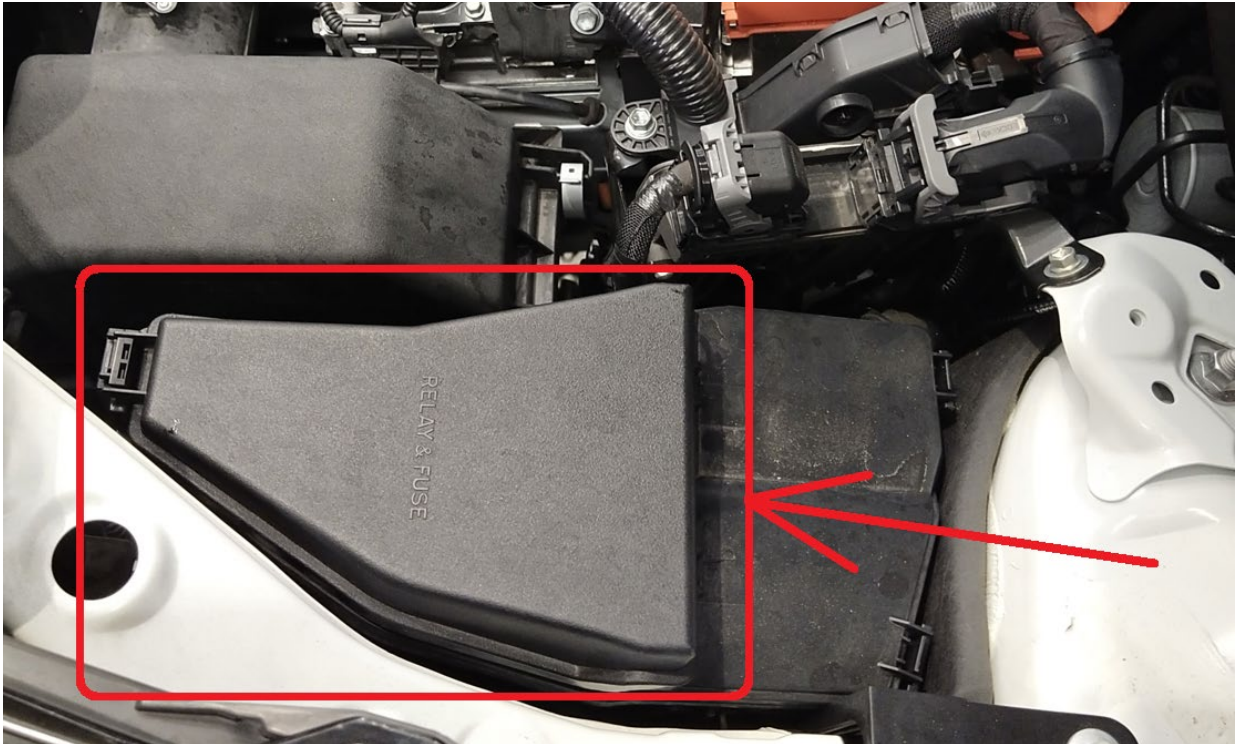
Step 3: Installation of Fuse



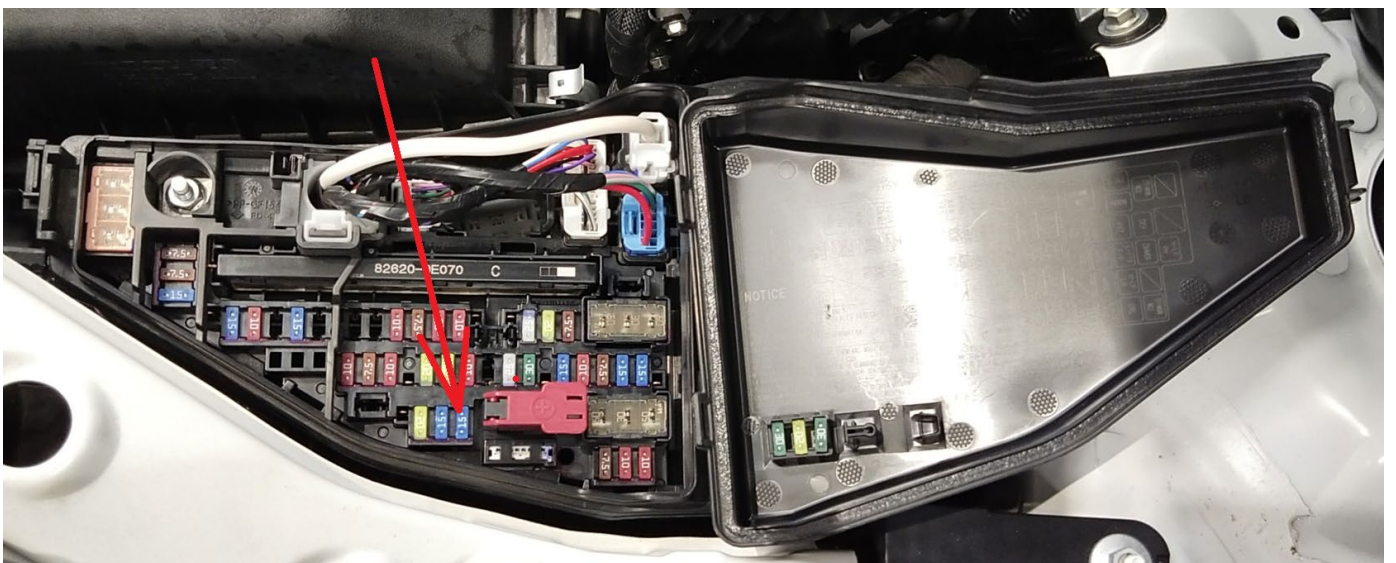
NOTE:

- The vehicle has a dedicated trailer fuse in the fuse box in the engine bay.
- The fuse included with the vehicle is a 30A fuse and **must be replaced with a 15A fuse.**

1. Open the bonnet of the vehicle and locate the fuse & relay box.



2. Refer to the fuse layout diagram on the underside of the cover and replace the 30A with the supplied 15A fuse. Place the 30A fuse in the spare slot on the cover.

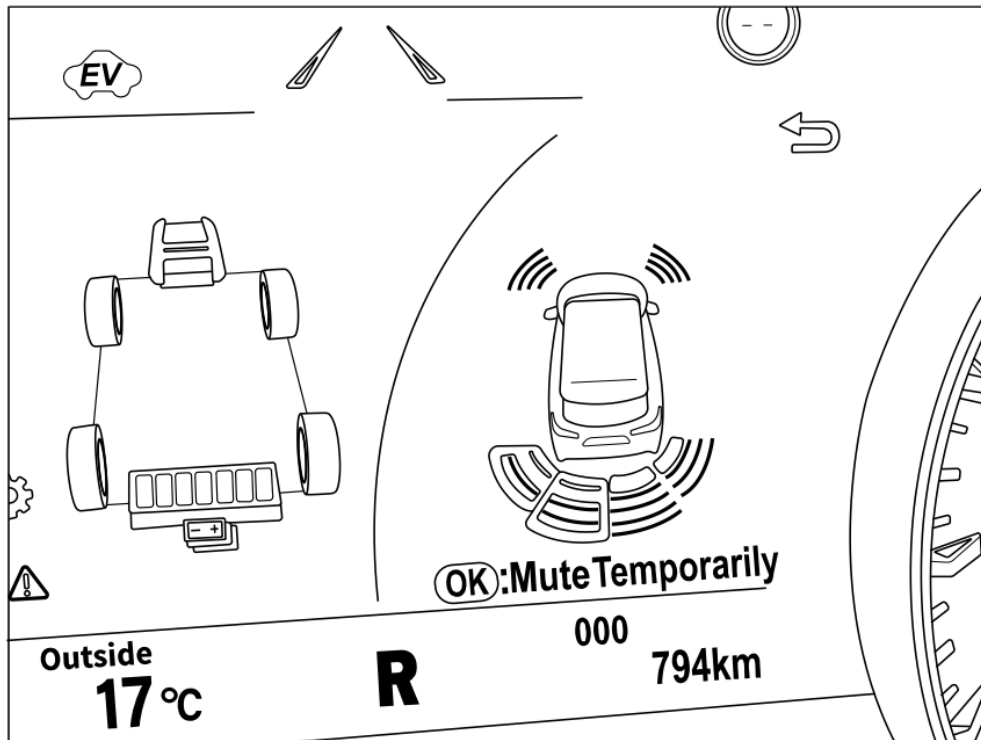


Installation Instructions



Step 4: Test the Harness Operation

1. Reconnect the negative terminal of the battery.
2. Use a 'Trailer Test Board' or 'Test Light' to check the trailer socket operation.
3. To disable the RPA system (2021-on models), when in reverse, the image shown below will come up on the centre cluster. The RPA sensors can be muted by pressing the OK button on the steering wheel.



Step 5: Reinstall Vehicle Body Parts

1. Ensure the harness operates correctly (Step 5)
2. Ensure the harness is tidy, secure and all connections are securely connected.
3. Replace all removed parts from Step 1 in the reverse order.

CAUTION:

3. During installation & reinstallation, take care to prevent the trailer & vehicle harness getting caught on any vehicle parts, sharp edges and sources of heat.
4. Refer to the workshop owner's manual for details on reinstalling the vehicle parts.
5. Place the installation instructions in the glove box of the vehicle after installation is complete.

CAUTION:

Before towing with your vehicle, please refer to the vehicle Owner's Manual for trailer towing information.

TAG Warranty Statement



SWD warrants your TAG Harness for its full product life under the following conditions:

- You can show proof of purchase.
- The harness has been correctly installed by a suitably qualified installer.
- The harness has not been modified or abused in any way and has only been used for the purpose intended.
- The harness was not fitted second hand to your vehicle.

The extent of this warranty includes materials and workmanship used in the manufacture of the harness and is to the equivalent value of current, full replacement cost.

Nothing stated or implied in this warranty limits in any way, the statutory rights that you may have.

To make a claim visit the original installer in the first instance or, if you are unable to or are not satisfied with their help, then contact us direct by phone on 1300 669122 or visit www.swd.com.au.