

Trailer Wire Harness Fitting Instructions

General Notes

- Read through the fitting instructions before installation of accessory.
- Always install the accessory following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory.
- Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
- It is always recommended that this accessory is fitted by a qualified Toyota Technician.
- Safely store and protect any removed vehicle components.
- Ensure all bare metal surfaces are protected using Automotive Bare Metal Primer and touch-up paint.
- Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.

Safety Notes

- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.


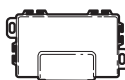









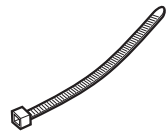
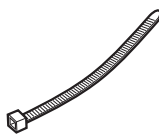
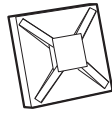
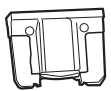

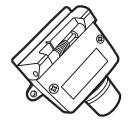


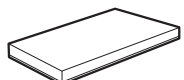



Fitting Time

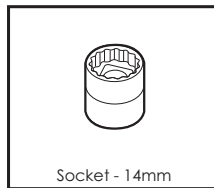
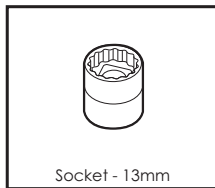
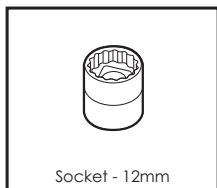
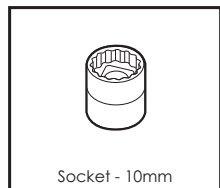
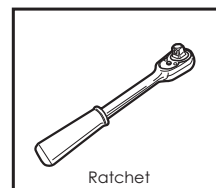
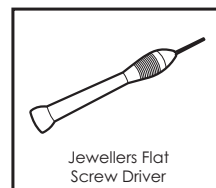
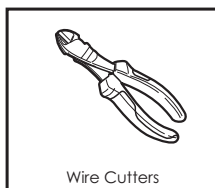


30 minutes

Parts Supplied

| | | | | | |
|---|---|--|---|---|--|
| A  Trailer Wire Harness x1 | B  Trailer ECU x1 | C  M4x16 Pan Head Bolt - E-Coated x2 | D  M4 Flat Washer - E-Coated - x2 | E  M4 Nyloc - E-Coated x2 | F  M4x16 Pan Head Bolt - Zinc x2 |
| G  M4 Flat Washer - Zinc x4 | H  M4 Nyloc - Zinc x2 | I  M8x16 Hex Head Bolt - Zinc x2 | J  M8 Flat Washer - Zinc x4 | K  M8 Nyloc x2 | L  Cable Tie - 200mm x12 |
| M  Cable Tie - 500mm x4 | N  Cable Tie Clip x5 | O  Low Profile Fuse 30Amp x1 | P  ECU Bracket x1 | Q  Flat Trailer Socket x1 | R  Cleaning Pad x1 |
| S  7x12 Cable Tie Clip x1 | T  Foam Tape x1 | U  Fitting Instructions x1 | | | |

– Tools and Materials Required



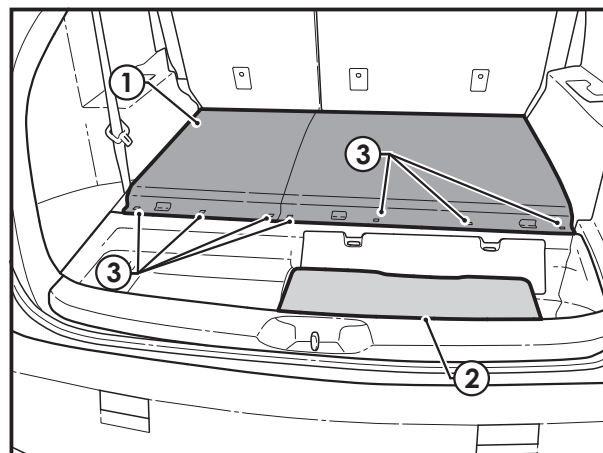
– Step 1

Important



Always refer to the vehicle's Workshop Manual when removing vehicle components.

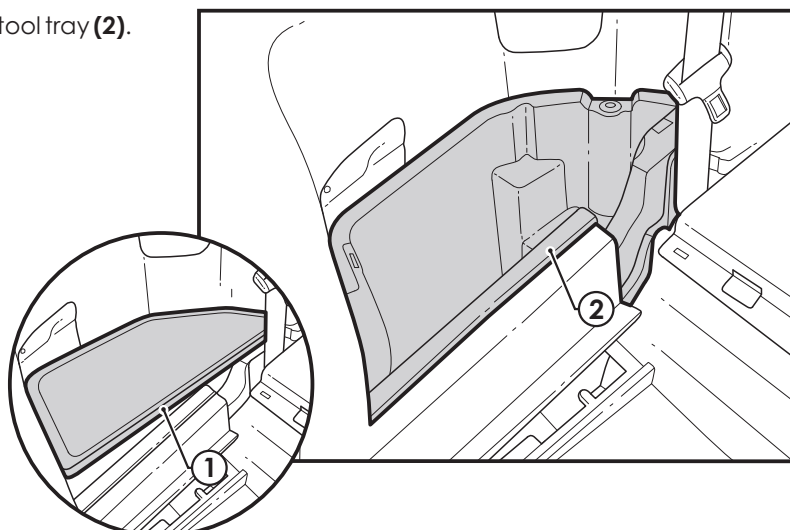
- Note down radio settings, as per Toyota Workshop manual.
- In the engine bay, disconnect the negative & positive battery terminals.
- In the luggage compartment area, fold the rear passenger seats (1) down.
- Remove the luggage compartment tray carpet (2).
- Remove the seven clips (3) holding the rear passenger seat carpet.



– Step 2

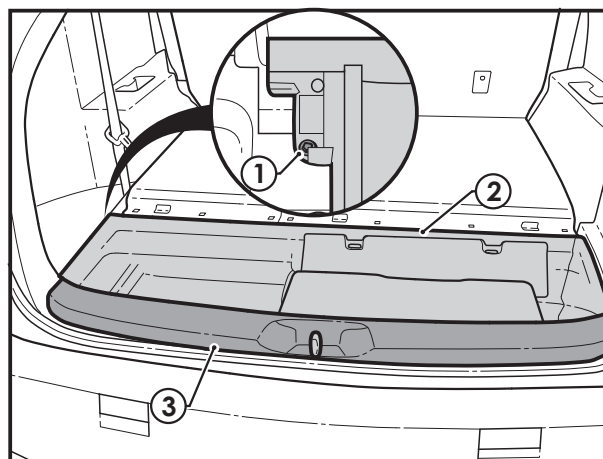
- Remove the LH side tool tray cover (1) and the LHS tool tray (2).

Repeat for the RHS



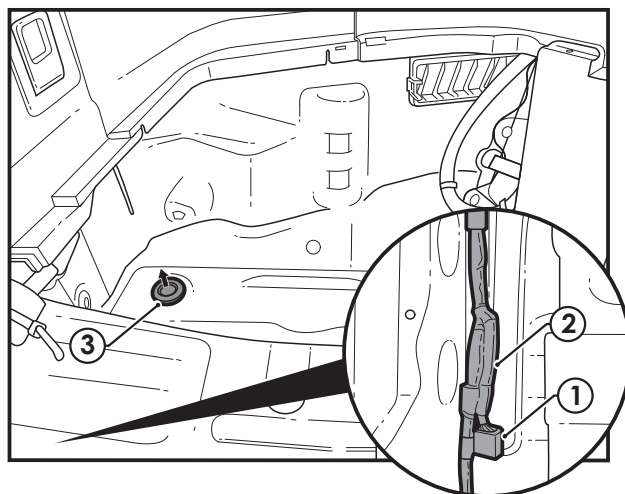
– Step 3

- Remove the fastener (1).
- Remove the luggage compartment centre tool tray (2).
- Remove the luggage compartment rear trim (3).



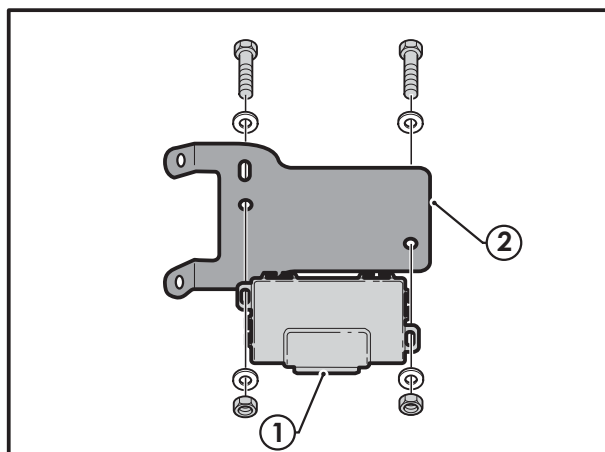
— Step 4

- Locate the 6-way trailer connector **(1)** at the rear of the luggage compartment.
- Cut the PVC tape **(2)** holding the connector to the vehicle wiring harness.
- Remove the LH rear grommet blanking plug **(3)**.



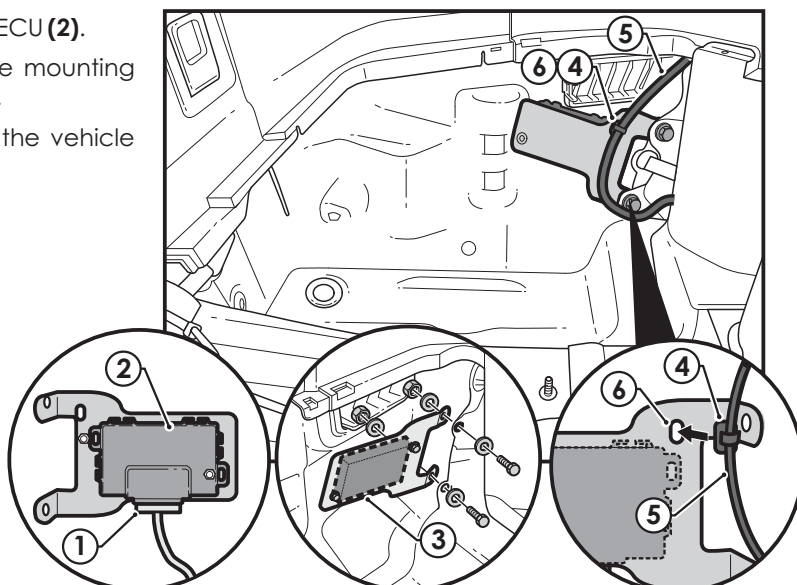
— Step 5

- Secure the ECU **(1)** to the ECU Bracket **(2)** using the supplied M6 Bolts, Nylocs and Washers.



— Step 6

- Connect the Trailer Wire Harness connector **(1)** to the ECU **(2)**.
- Fasten the ECU/Bracket assembly **(3)** to the vehicle mounting point using the supplied M8 Bolts, Washers and Nylocs.
- Using the supplied 7x12 Cable Tie Clip **(4)**, secure the vehicle harness **(5)** to the Bracket mounting slot **(6)**.



– Step 7

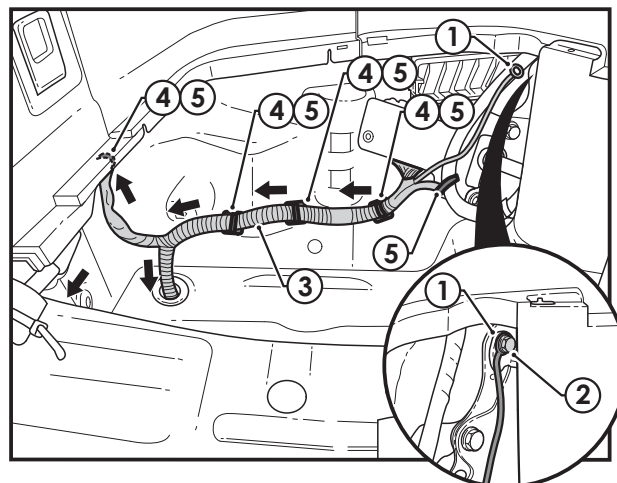
- Route the Trailer Wire Harness earth wire branch **(1)** to the vehicle earth point and secure to the earth terminal to the earth point using the earth bolt **(2)**.

Important



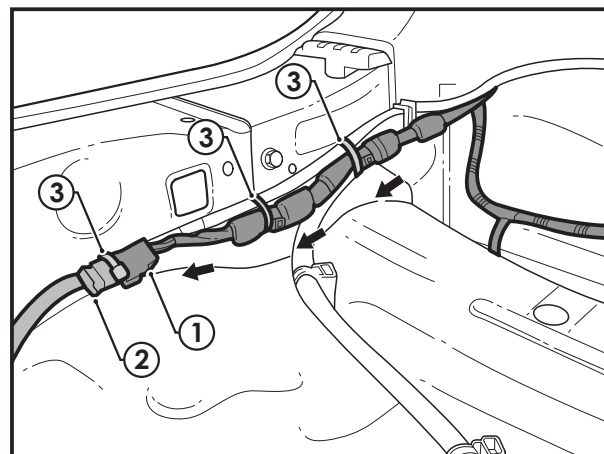
Torque vehicle earth bolt between 6.9Nm and 9.8Nm.

- Secure the Trailer Wire Harness earth wire branch **(1)** to the vehicle harness using a supplied Cable Tie.
- Continue routing the Trailer Wire Harness **(3)** towards the rear of the vehicle, securing the harness using the supplied Cable Tie Mounts **(4)** and Cable Ties **(5)**.
- Ensure the Trailer Wiring Harness **(3)** is cable tied to the vehicle at 200mm intervals.



– Step 8

- Connect the 6-way Trailer Wire Harness connector **(1)** to the vehicle towing connector **(2)**.
- Wrap the supplied Foam Tape around the 6-way Trailer Wire Harness connector **(1)**.
- Secure the Trailer Wire Harness to the vehicle harness with Cable Ties **(3)** at every 200mm intervals.



– Step 9

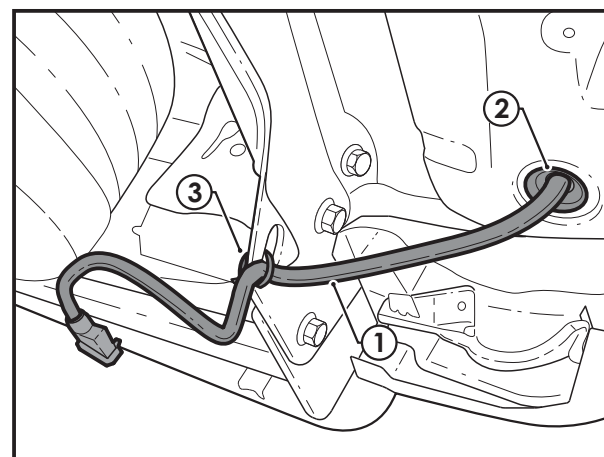
- Retrieve the Trailer Wire Harness **(1)** from underneath the vehicle and route it over the tow bar bracket, towards the centre of the rear of the vehicle.

Important



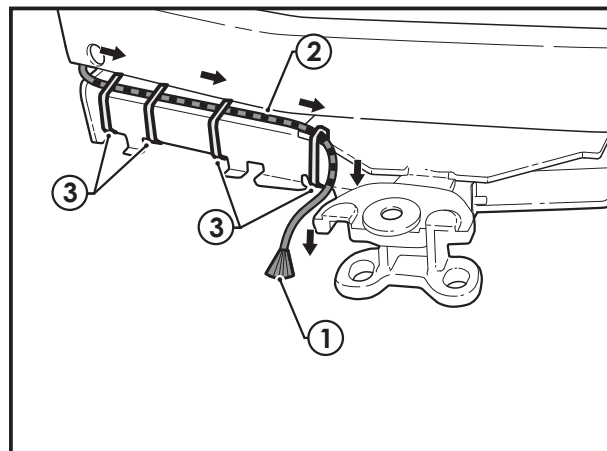
Ensure the Trailer Wire Harness grommet (2) is seated correctly.

- Secure the Trailer Wiring Harness **(1)** to the towbar bracket opening using a supplied Cable Tie **(3)**.



– Step 10

- Continue routing the Trailer Wire Harness (1) behind the tow bar (2).
- Cable Tie the Trailer Wire Harness to the tow bar using the supplied 500mm Cable Ties (3).

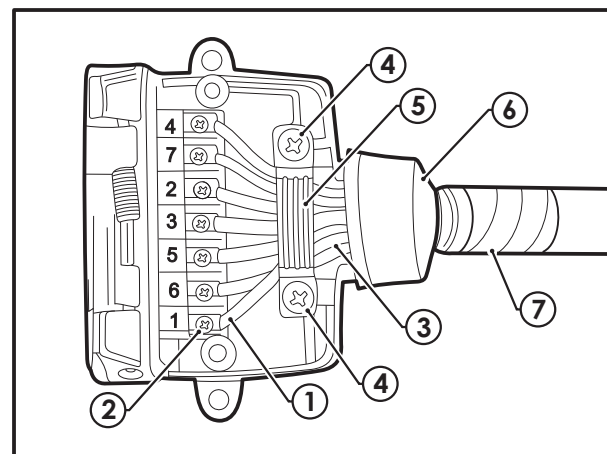


– Step 11

- House and secure the seven Trailer Wire Harness terminals (1) into the Trailer Socket receptacles (2). Refer to the housing table below.

| Pin No. | Function | Cable Colour |
|---------|---|--------------|
| 1 | Left-hand turn signal | Yellow |
| 2 | Reversing signal | Black |
| 3 | Earth return | White |
| 4 | Right-hand signal | Green |
| 5 | Service brakes | Blue |
| 6 | Stop lamp signal | Red |
| 7 | Rear lamps, clearance and side marker lamps | Brown |

- Secure the Trailer Wire Harness terminals (3) to the Trailer Socket using the supplied fasteners (4) and clamp (5).
- Using the remaining two fasteners, secure the Trailer Socket cover to the Trailer Socket.
- Secure the grommet (6) to the Trailer Wire Harness using PVC tape (7).



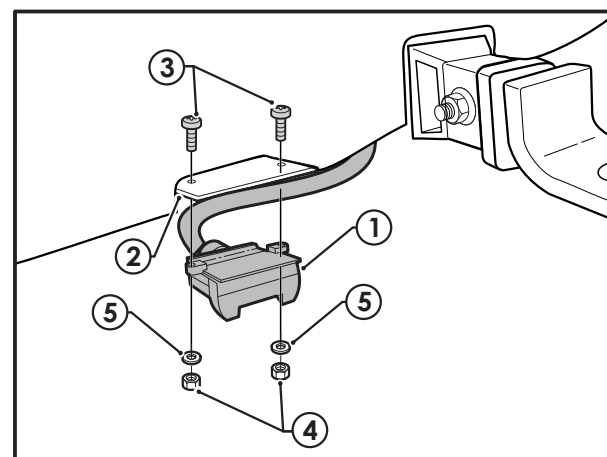
Important



Ensure Grommet makes a good seal with the Trailer Socket.

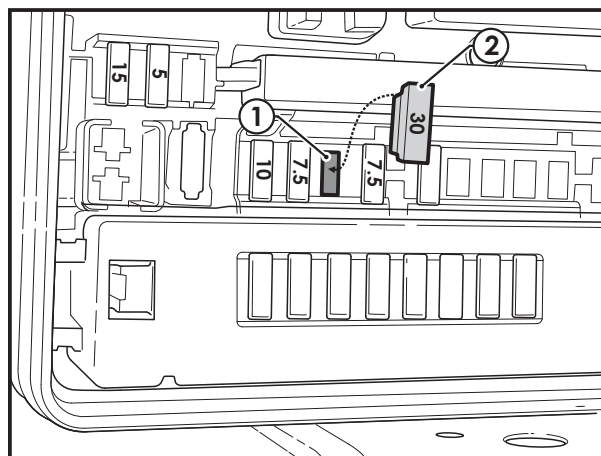
– Step 12

- Secure the 7-Pin Flat Trailer Socket (1) to the tow bar bracket (2) using the supplied black M4 Bolts (3), M4 Nylocs (4) and M4 Washers (5).



– Step 13

- In the engine bay on the LH side, locate the fuse block and remove the fuse block cover.
- Locate the vehicle towing fuse cavity **(1)** and insert the supplied 30A fuse **(2)**.



– Step 14

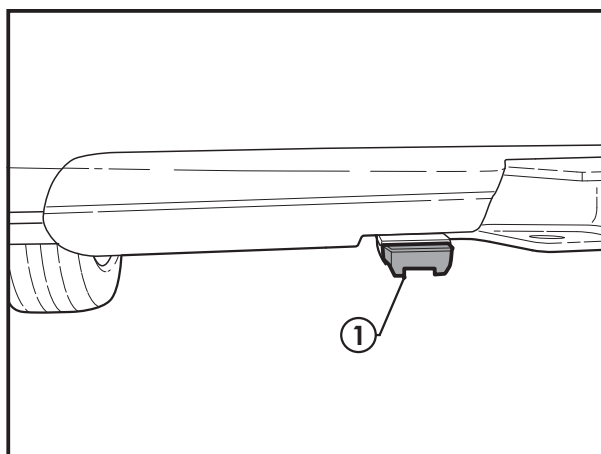
- Re-fit the negative battery post.

Important



Torque vehicle battery post terminal between 2.9Nm to 7.8Nm.

- Test the operation of the Trailer Socket **(1)** using a Trailer Wiring Tester or a test light to ensure the correct operation.



– Step 15

Important



Refit all removed parts and secure all fasteners to the Service Manual torque specifications. Battery Post terminal to be torqued in between 2.9 and 7.8Nm.

Important



Reprogram all radio stations and clock settings by referring to the vehicle's owner manual.



Please place the Fitting Instructions in the glove box after installation is completed.