

Kit Part No:

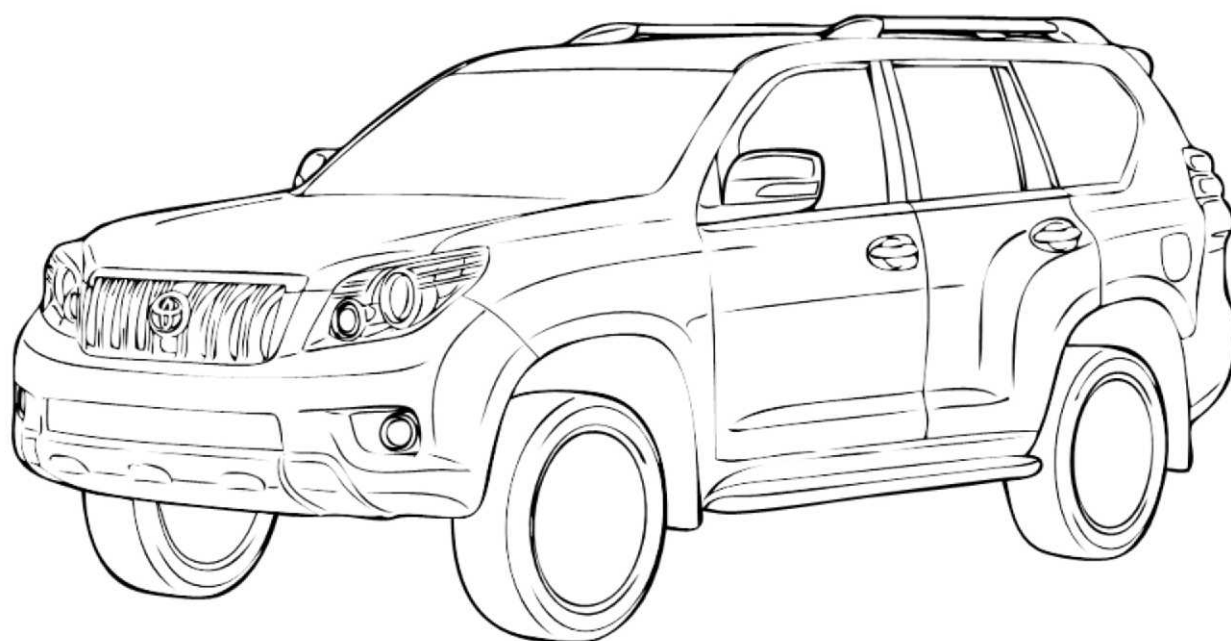
PZQ61-60231 - 7 Pin Flat

PZQ61-60241 - 7 Pin Small Round

PZQ61-60251 - 7 Pin Large Round

AUGUST 2009 PRODUCTION ONWARDS

Fitting Time: 45 minutes



## Trailer Harness

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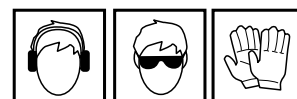
## Fitting Instructions

### 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.


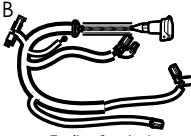

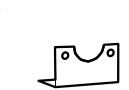
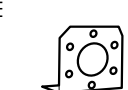
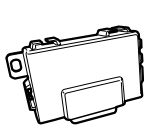
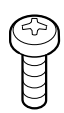
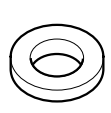
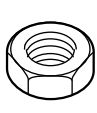
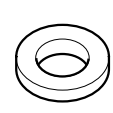
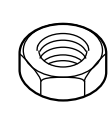


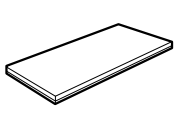
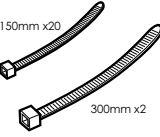
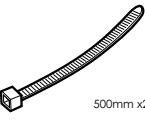
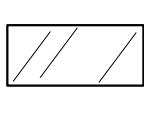



### Fitting Time




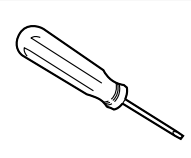
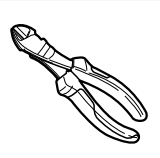
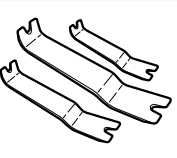

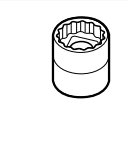
45 minutes

### Parts Supplied

<b>A</b>  Trailer Harness 7 Pin Flat x1	<b>B</b>  Trailer Socket 7 Pin Small Round x1	<b>C</b>  Trailer Socket 7 Pin Large Round x1	<b>D</b>  Small Round Socket Bracket x1 For PZQ61-60240	<b>E</b>  Large Round Socket Bracket x1 For PZQ61-60250	<b>F</b>  ECU x1
<b>G</b>  M4 Pan Head Screw x4	<b>H</b>  M4 Flat Washer x6	<b>I</b>  M4 Nyloc Nut x4	<b>J</b>  M5 Flat Washer x3	<b>K</b>  M5 Nyloc Nut x3	<b>L</b>  M5 Pan Head Bolt x3
<b>M</b>  Cleaning Pad x1	<b>N</b>  Double Sided Tape x1	<b>O</b>  Cable Tie x22	<b>P</b>  Cable Tie x2	<b>Q</b>  Protective Tape x1	<b>R</b>  Fitting Instructions x1

**KIT IS GENERIC. NOT ALL PARTS ARE UTILISED.**


### Tools and Materials Required

 Phillips Head Screw Driver	 Flat Blade Screw Driver	 Cutters	 Trim Removal Tools	 Ratchet	 Socket - 8mm, 10mm
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### USER INFORMATION


#### TOYOTA RECOMMENDED MAXIMUM TRAILER LAMP WATTAGE

INFORMATION		
Genuine Accessory Trailer Harness PZQ61 - 60230 - 40 - 50		
Socket Connection	Pin No. - Colour	Maximum Bulb Wattage (Pmax)
Left Turn	1 - Yellow	1 x 21W
Reverse	2 - Black	2 x 21W
Earth	3 - White	-
Right Turn	4 - Green	1 x 21W
Electric Brakes	5 - Blue	No bulb, 2 mm wire
Brake Light	6 - Red	4 x 21W
Tail Light	7- Brown	4 x 5W
License Plate Light		2 x 5W
Clearance & End Marker		10 x 5W



Important:

Trailers (including Caravans, Horse floats, etc) that exceed the maximum trailer lamp wattage can reduce the lamp load by the adoption of LED (Light Emitting Diode) type lamps. Refer Trailer Manufacturer.

<b>Important:</b> 	<b>Before towing with your vehicle please refer to the vehicle Owner's Handbook for trailer towing information.</b>
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<b>Important:</b> 	<b>Keep this Information with owners handbook in vehicle for reference when attaching a trailer.</b>
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### – Step 1

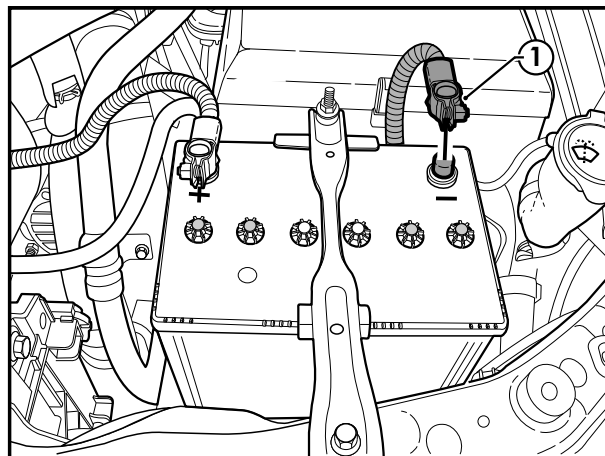
#### Important



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

- Note down all clock and radio settings.
- In the engine bay, disconnect the negative battery terminal (1).
- Inside the luggage compartment, remove the sun shade.

Always refer to workshop manual for assistance with part removal.

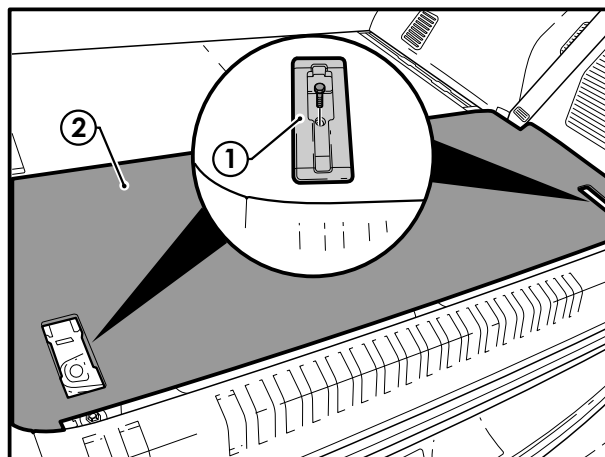


### – Step 2

**Note:** This step is only required for 5 door models

- On the third row seat cover, remove the luggage anchors and fasteners (1).
- Remove the third row seat cover (2).

Always refer to workshop manual for assistance with part removal.

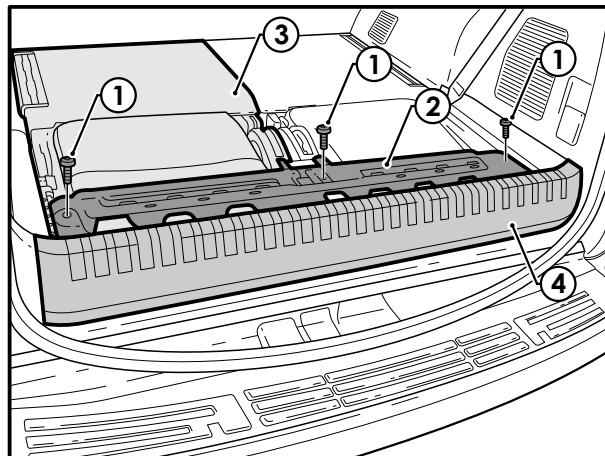


### – Step 3

**Note:** This step is only required for 5 door models

- Remove the third row seat bracket fasteners (1) and the third row bracket (2).
- Remove the bolts at the front and rear of the LHS third row seat (3).
- Dislodge the LHS third row seat (3).
- Remove the rear trim (4).

Always refer to workshop manual for assistance with part removal.

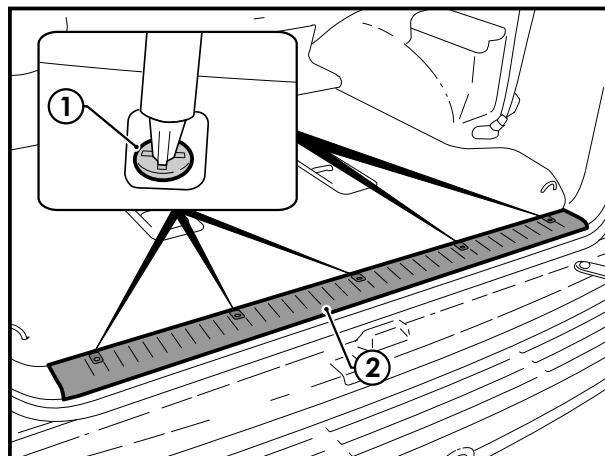


### – Step 4

**Note:** This step is only required for 3 Door models.

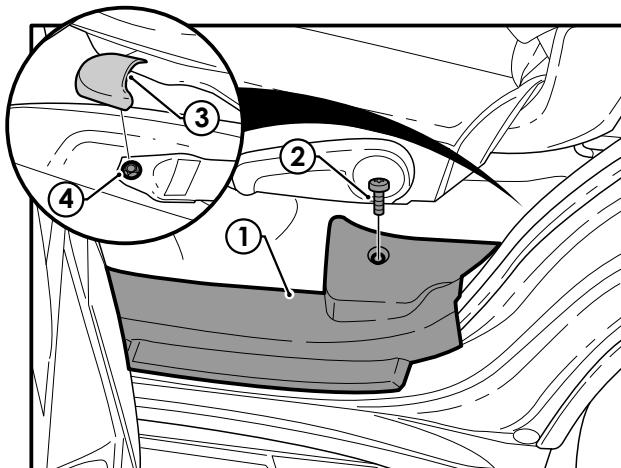
- In the luggage compartment area, remove the indicated fasteners (1) from the rear trim (2) and then remove the rear trim (2).

Always refer to workshop manual for assistance with part removal.



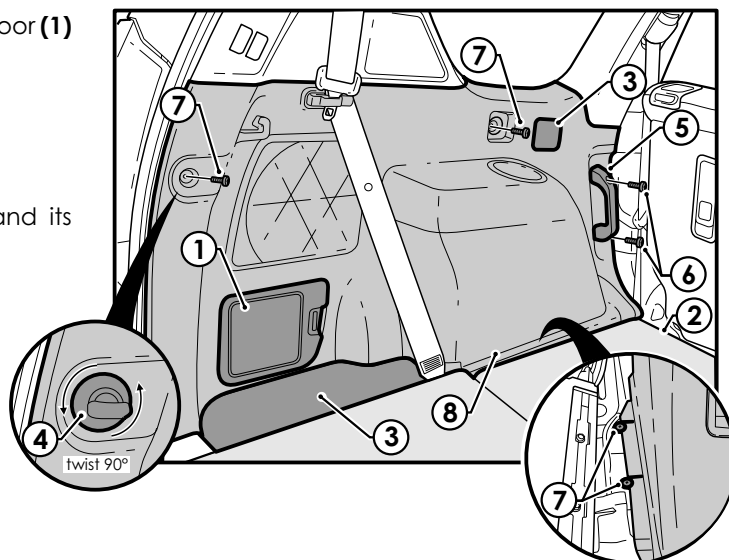
### – Step 5

- Remove the LHS rear passenger door sill trim (1) by removing its fastener (2).
- Remove the LHS rear passenger seat belt cap (3) and remove the bolt (4) from underneath.



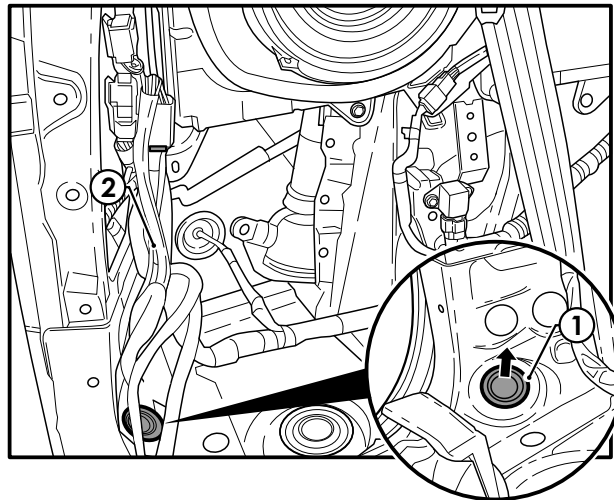
### – Step 6

- In the luggage compartment, remove the LHS trim jack door (1) (applies only to 5-door models).
- Shift the LHS third row seat (2) out of the way.
- Remove the LHS floor carpet (3).
- Remove the two fastener caps (4).
- Remove the luggage compartment trim handle (5) and its fasteners (6).
- Remove the remaining fasteners (7) from the vehicle.
- Remove the LHS luggage compartment trim (8).



### – Step 7

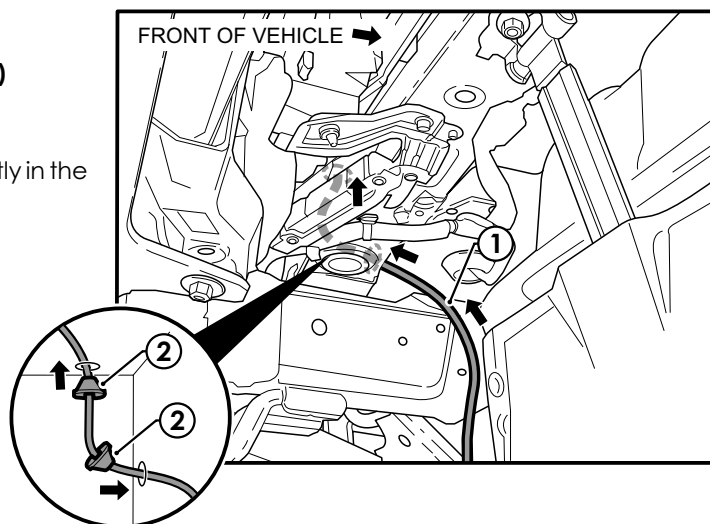
- Remove the indicated grommet (1) from the LHS rear quarter.



### – Step 8

#### Grommet position from underneath the vehicle

- From underneath the vehicle, feed the Trailer Harness (1) through two holes into the previously removed grommet location in the luggage compartment.
- Ensure the Trailer Harness grommets (2) are seated correctly in the two holes.



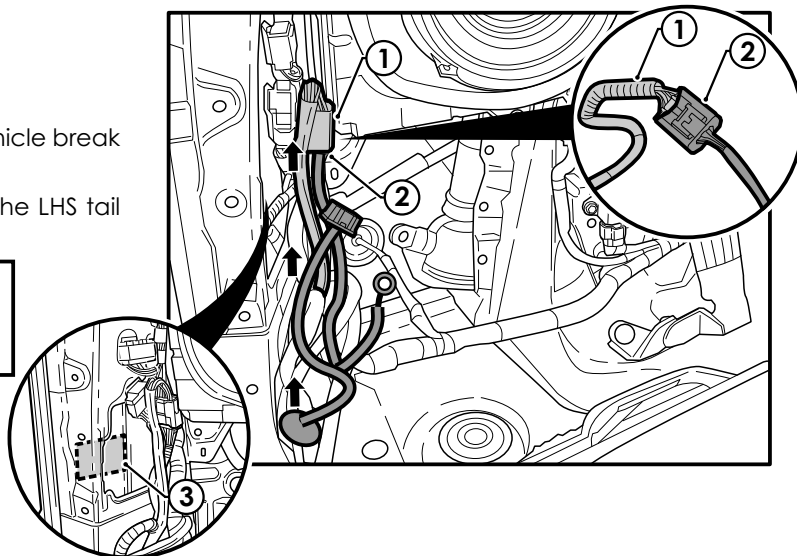
### – Step 9

- Retrieve the Trailer Harness (2) into the luggage compartment.
- Free the break-out connector (1).
- Connect the Trailer Harness connector (2) to the vehicle break out connector (1).
- Using a supplied Cleaning Pad, clean the area in the LHS tail light cavity, where the ECU will be mounted (3).

#### Important



If the vehicle is fitted or being fitted with a Reverse Parking Assistance Kit (2), discard the RPA Patch Harness and use the Trailer Harness Patch Harness instead.



### – Step 10

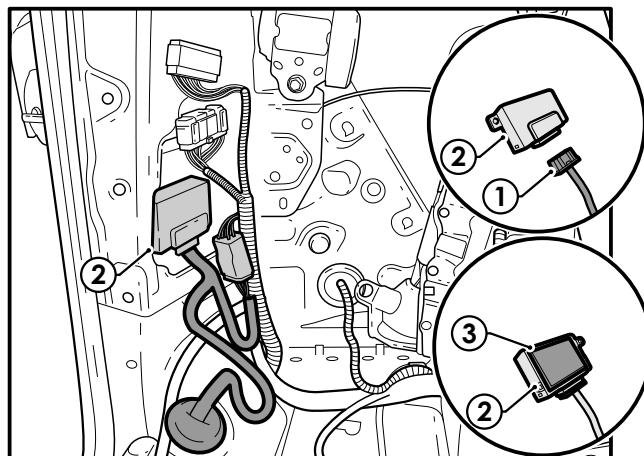
- Connect the Trailer Harness ECU connector (1) to the ECU (2).
- Using the supplied Cleaning Pad, clean the back of the ECU (2).

#### Important



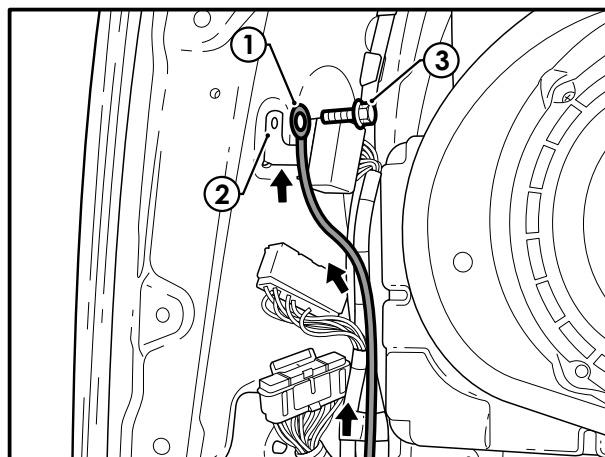
Allow the area cleaned with the supplied Cleaning Pad to dry before continuing.

- Adhere the Double Sided Tape (3) onto the ECU (2).
- Peel off the adhesive backing from the ECU (2) and mount onto the vehicle mounting location in the LHS tail light cavity.
- Ensure the ECU is mounted with the connector facing downwards as shown.



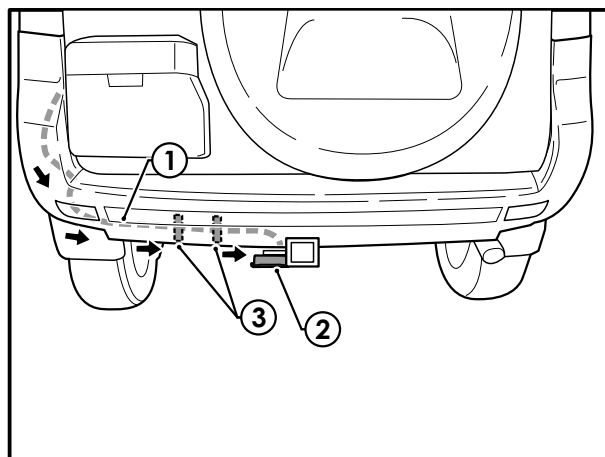
### – Step 11

- Route the Trailer Harness ring terminal (1) on to the vehicle grounding point (2) using the existing fastener (3).



### – Step 12

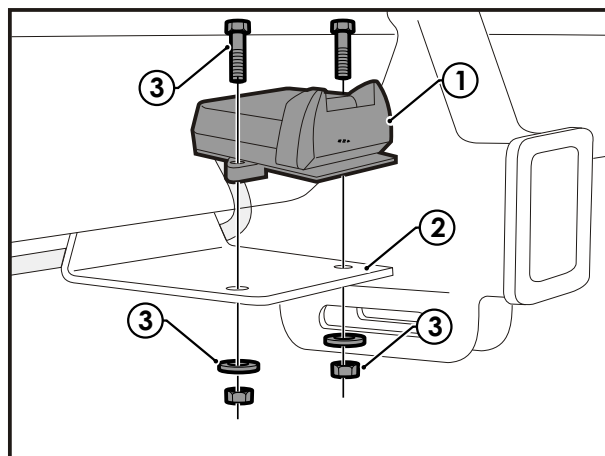
- Route the Trailer Harness (1) towards the towbar mounting bracket (2).
- Secure the Trailer Harness (1) to the rear towbar with the two supplied 500mm Cable Ties (3) in the indicated positions.



### — Step 13 —

#### This step for 7 Pin Flat Socket:

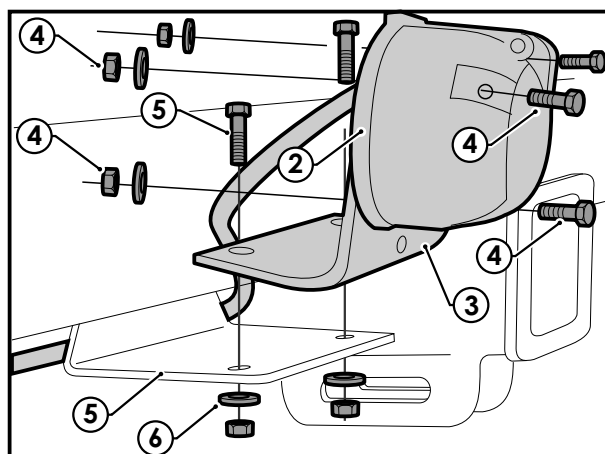
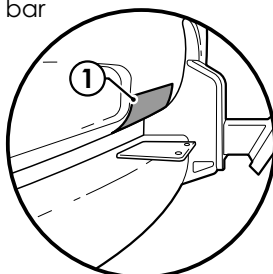
- Secure the Trailer Socket (Flat Socket) **(1)** to the towbar mounting bracket **(2)** using the supplied M4 fasteners **(3)** as shown.
- Secure the Trailer Harness to the support bar (or towbar if fitted) using the supplied 300mm Cable Ties x2.



### — Step 14 —

#### This step for 7 Pin Large Round Socket:

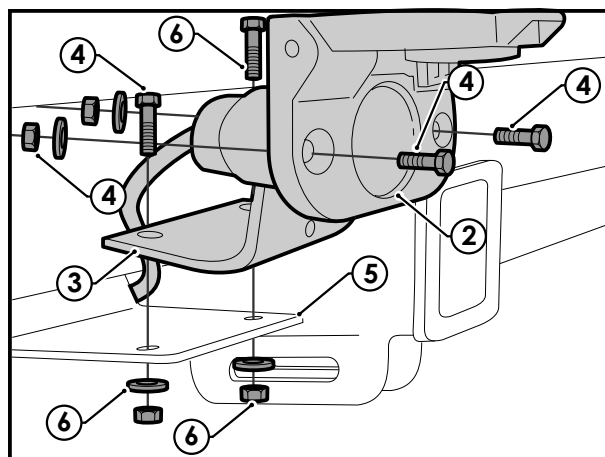
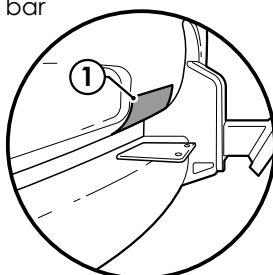
- Secure the Protective Tape **(1)** to the bumper, behind the mounting plate
- Secure the Trailer Harness Socket **(2)** to the mounting bracket **(3)** using M5 fasteners **(4)**.
- Secure the socket and bracket to the towbar mounting bracket **(5)** using the supplied M4 fasteners **(6)**.
- Secure the Trailer Harness to the support bar (or towbar if fitted) using the supplied 300mm Cable Ties x2.



### — Step 15 —

#### This step for 7 Small Round Socket:

- Secure the Protective Tape **(1)** to the bumper behind the mounting plate.
- Secure the Trailer Harness Socket **(2)** to the mounting bracket **(3)** using M4 fasteners **(4)**.
- Secure the socket and bracket to the towbar mounting bracket **(5)** using the supplied M4 fasteners **(6)**.
- Secure the Trailer Harness to the support bar (or towbar if fitted) using the supplied 300mm Cable Ties x2.
- Test the operation of the Trailer Harness using test lights or a multimeter.





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**– Step 16**

- Secure the Trailer Harness to the support bar (or towbar if fitted) using the supplied 300mm Cable Ties x2.
- Test the operation of the Trailer Harness using test lights or a multimeter.

**Important**

**Refit all removed parts and secure all fasteners to the Service Manual torque specifications.**

**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.**







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