

# Fitting Instructions



## SKU

**UNT345**

## PRODUCT

**Towbar Wiring Harness  
for Toyota HiAce/Commuter  
(02/2019 - on)**

## SPECIFICATIONS

- Approx. Fitment Time: 45 Minutes
- Dealer Coding Required: No
- RPA override: Via button on dash
- Plug & Play: Yes



Scan for latest  
version of these  
instructions

## TOOLS REQUIRED

- 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.**
- The power source wire is for 12volt only. This can be taken directly to the battery or to a constant power source. This wire must have a 10-amp blade fuse housing attached. Please check that a 10-amp fuse is installed.
- **THE 10AMP FUSE MUST NEVER BE REMOVED AND CANNOT BE CHANGED FOR A HIGHER AMP FUSE.**
- If your vehicle has a dedicated towbar fuse within the fuse box, this is to remain as well – no fuse is ever to be removed or cut out.
- Make sure to inform the customer that there is a 10-amp blade fuse on the power source wire wherever you have made the connection, in the event the fuse needs to be replaced. **Kindly show them where they can access it.**
- Please give this copy of the instructions to your customer.
- Contact an authorised TAG distributor or the TAG fitment center - (07) 3208 3022 - if further information is required.

### 7 Pin Flat Plug & Socket

PIN No. CIRCUIT COLOUR

1	Left-hand turn	Yellow
2	Reversing signal	Black
3	Earth return	White
4	Right-hand turn	Green
5	Service brakes	Blue
6	Stop lamps	Red
7	Rear lamps, clearance & side marker lamps	Brown



7 Pin Plug



7 Pin Socket

# Installation Instructions



## Step 1: Removal of Rear Bumper

1. Open tailgate.
2. Underneath the bumper on the LHS (passengers side), disconnect the wiring loom.
3. Remove plastic clips securing the rear bumper around the bottom edge and inside the wheel arches.



4. Remove plastic covers to expose screws & remove.



5. Beginning at the wheel arch, carefully pry the bumper away from the vehicle and remove.  
Place the bumper and all fasteners aside.

# Installation Instructions



6. Remove the screws securing the corner trims.
7. Dislodge the corner trims & fasteners and put aside.
8. Remove the screws securing the tail lights.
9. Dislodge the tail lights & fasteners and put aside.



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## Step 2: Access the Battery

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1. In the front cabin on the passengers side, remove the floor mat by twisting the securing lug and pulling up the floor mat. Set the floor mat aside.





# Installation Instructions



2. Remove the plastic battery box cover by twisting the knobs. Set the cover aside.
3. Remove the metal battery box cover by pulling on it. Set the cover aside.



4. Remove the 2x scuff trims using a trim tool and set aside.
5. Remove 6x bolts securing the battery cover trim.
6. Remove the battery cover trim to expose the battery guard cover and set aside.



7. Peel back the floor liner to expose 5x fasteners securing the battery cover guard. Remove the fasteners and the battery guard to set aside. Disconnect the negative terminal of the battery.



# Installation Instructions

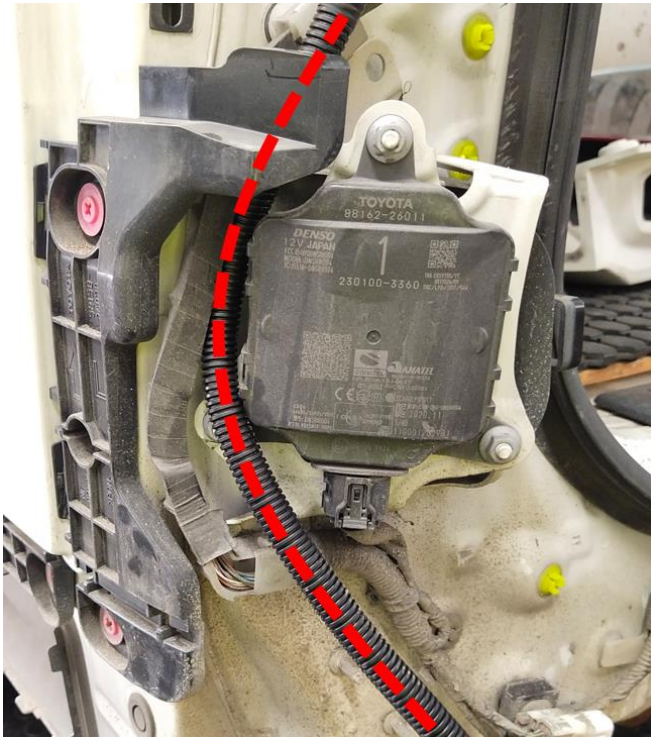


## Step 3: Install the Wiring Harness

1. Differentiate the LHS & RHS plug sets:

LHS (Passengers Side) Wire Colours	RHS (Drivers Side) Wire Colours
Yellow	Green
Brown	Dark Grey
Dark Grey	Grey/Purple
Red	Dark Grey
Dark Grey	Grey/Purple
Grey/Purple	Grey/Purple

2. Connect the 6-way LHS plug into the mating LHS tail light connector making sure to route the harness to side or behind the rear cross traffic radar to ensure it does not go in front of the radar.





# Installation Instructions



3. Route the RHS plug set across to the RHS of the vehicle. The RHS branch can be routed through the rear body cavity. Alternatively, it can be routed from the outside.

**Note:** To route through the rear cavity, the spare wheel carrier must be temporarily lowered in order for the plugs to pass through.



4. Connect the 6-way RHS plug into the mating RHS tail light connector making sure to route the harness to side or behind the rear cross traffic radar.



# Installation Instructions



5. Find a suitable spot to mount the ECU. Clean the area with alcohol wipes (not supplied).
6. Peel the double sided tape on the back of the ECU and adhere it to the previously cleaned spot.
7. For a more secure connection of the ECU to the vehicle, cable ties or tec screws (not supplied) can be used to secure the ECU.



8. Remove 2x bolts & 2x plastic clips from the plastic guard underneath the battery assembly. Pull down to gain access to the area under the battery.





# Installation Instructions

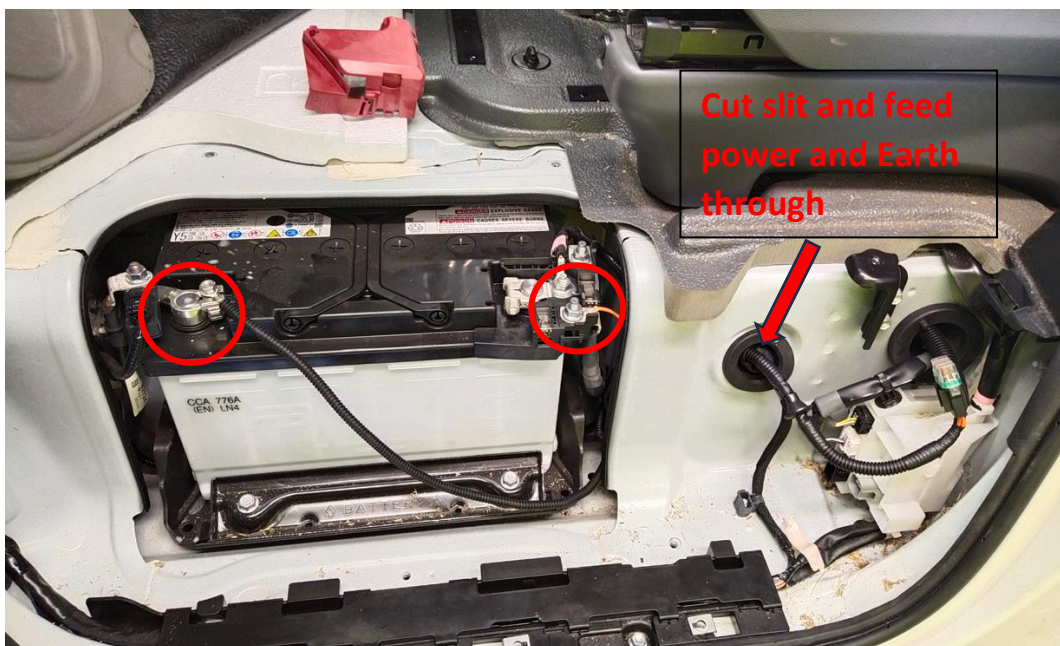


9. Using a cable pulling tool, route the power branch underneath the vehicle along the passenger side chassis rail up to the vicinity of the battery.
10. Cut a slit in the large grommet on the RHS of the battery area.
11. Reach up through above the plastic guard and feed the power harness through the slit in the grommet until the fuse comes out.

**NOTE:** The grommets supplied with the harness do not need to be used.



12. Cut a slit in the LHS grommet and feed through the orange 12V power wire and the white Earth wire.
13. Secure the power wire ring terminal to the positive terminal of the battery and the earth terminal to the negative terminal of the battery.
14. Reconnect the negative terminal of the battery.



# Installation Instructions



15. Connect the exposed tail wires to a 7-Pin Flat plug (sold separately) (TAG Pno. UNT032) as per the table below & chart on page 2.

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

16. Reconnect the tail lights.
17. Test the harness using a light board.
18. Fasten the 7-Pin flat plug on the Towbar plug mount
19. Neaten up all wiring with cable ties (not included). Make sure the harness does not interfere with any sharp parts or sources of heat.
20. Re-install all removed parts
21. Place these instructions into the glove box.
22. Inform the customer of the location of the 10 Amp fuse.
23. To disable the rear parking sensors while a trailer is attached, press the appropriate button on the dash.



# TAG Warranty Statement



SWD warrants your TAG Harness for 1 year (12 Months) 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](http://www.swd.com.au).