

# Fitting Instructions



SKU

**UNT354**

PRODUCT

## **Towbar Wiring Harness for LDV T60 Ute Styleside (07/2017 – 02/2024)**

SPECIFICATIONS

- Approx. Fitment Time: 45 Minutes
- Dealer Coding Required: No
- RPA override: Optional Auto
- Plug & Play: Yes

**(03/2024 - On work around available\*)**

\*May Require splicing, soldering and manual disable of RPA



Scan for latest  
version of these  
instructions

TOOLS REQUIRED

- Spanners
- Sockets
- Side Cutters
- Screw Drivers

IN THIS GUIDE

- Fitment Instructions
- Warnings
- Warranty Info

# Important Information



## Warning:

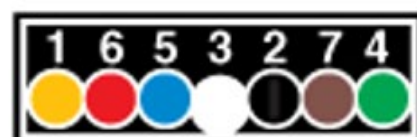
- This unit is designed to bypass the electronic control module in the vehicle.
- This unit will not require dealer coding.
- The power source wire is for 12volt only. This should be taken directly to the battery. This wire must have a 10-amp blade fuse housing attached. Please check that a 10-amp fuse 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

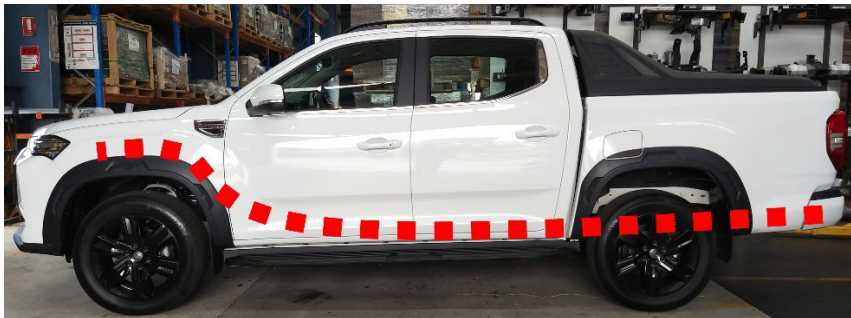


## Step 1: Install Wiring Harness

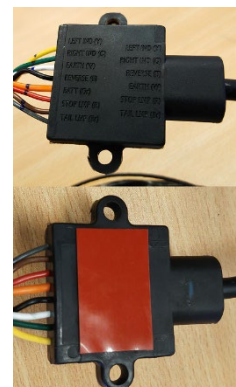
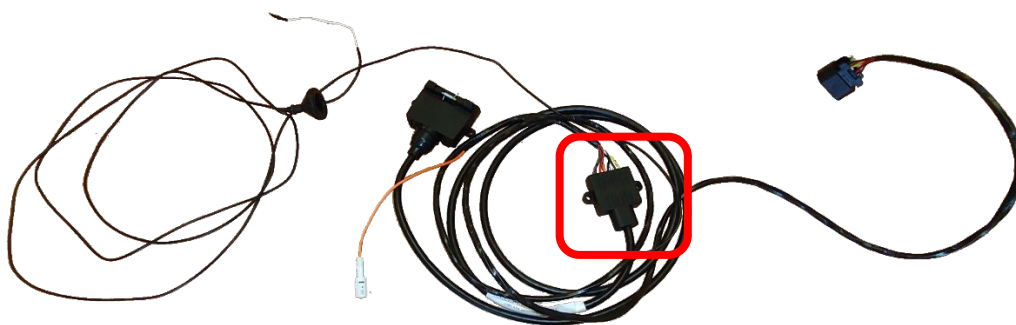
1. Open the bonnet and disconnect the negative battery terminal.
2. Attach the Power Harness ring terminal to the battery positive terminal.
3. Route the Power Harness along the edge of the engine bay down the LHS chassis.



4. Route the Power Harness along the LHS Chassis rail towards the rear of the vehicle on the LHS. Follow the existing harness where possible. Cable tie (not supplied) every 600mm.



5. Mount the ECU on the trailer harness to the vehicle body in a suitable location in the rear left quarter panel. The supplied double sided tape on the back of the ECU can be used however it is recommended to use cable ties and cable tie mounts (not included).

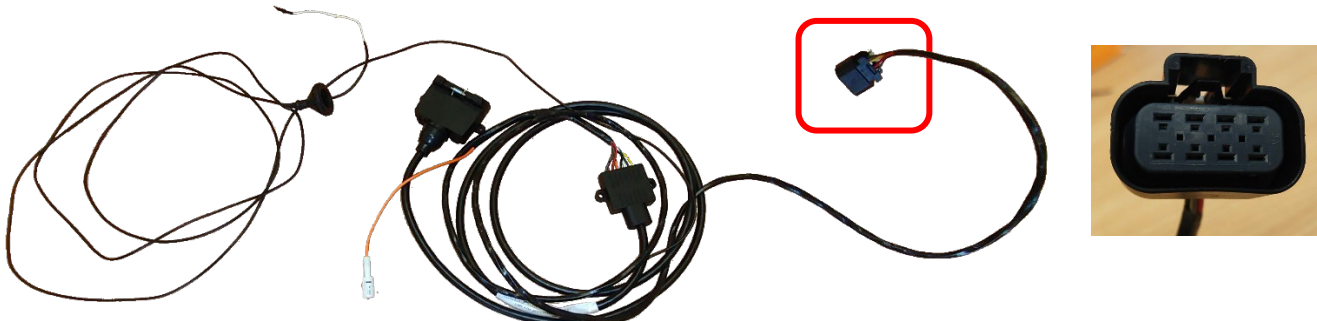


# Installation Instructions



## Step 1: Cont'd

6. Route the trailer harness connector to the RHS chassis rail



**NOTE:** If this harness is being fitted on a 03/24-on model, please follow from Step 9

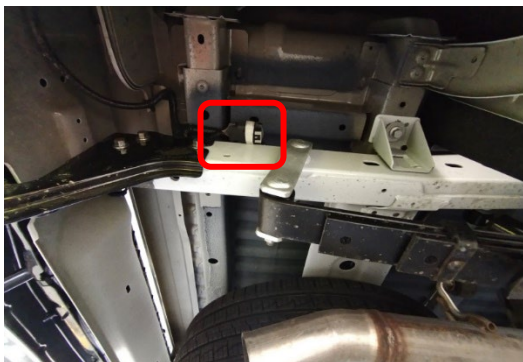
7. Locate the 8 way connector on the RHS chassis rail and remove the blanking plug.

8. Connect the trailer harness connector to the 8-way connector – Proceed to step 31.

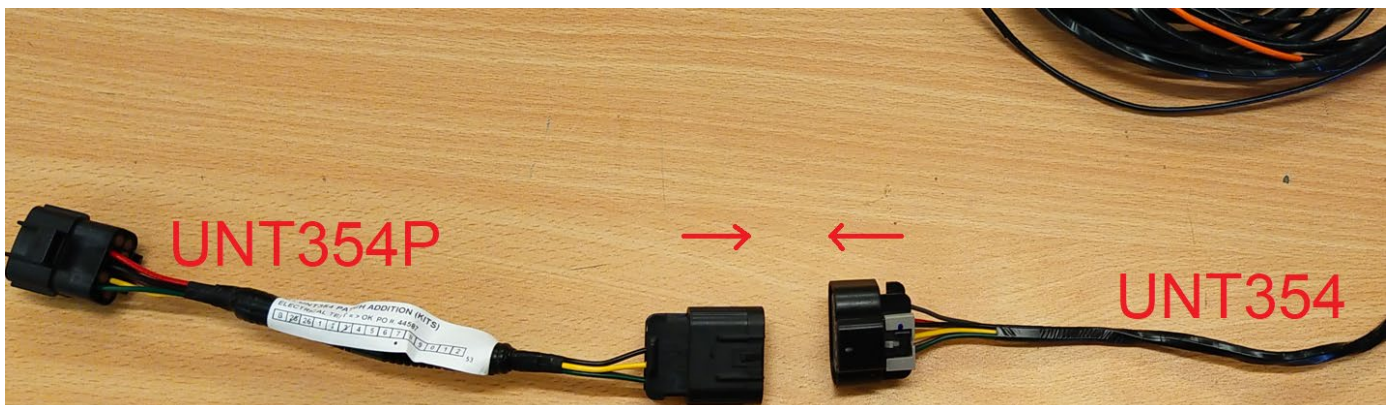
**NOTE:** For 03/24-on models, two workaround solutions are available.

If the harness kit contains the 03/24-on patch (UNT354P), Follow steps (9-11).

If the harness kit did not come with the patch, follow steps (12-15).



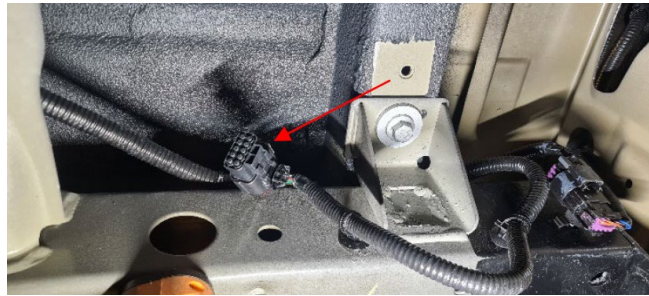
9. **For 03/24-on:** If the harness kit contains the 03/24-on Patch (UNT354P). First connect the UNT354 trailer harness female 8-way connector to the mating 8-way male connector on the Patch.



# Installation Instructions

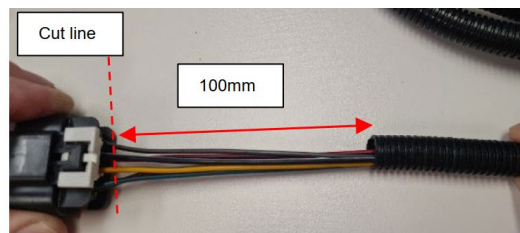


10. **For 03/24-on:** Locate the vehicle 10-way trailer pre-wire connector on the rear LHS Chassis and remove the blanking plug.
11. **For 03/24-on:** Connect the UNT354P 10-way connector to the 10-way trailer pre-wire connector - Proceed to Step 17.

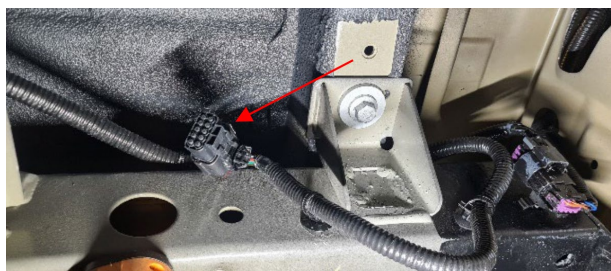


**Follow steps (12-15) for kits without the patch (UNT354P).**

12. **For 03/24-on:** On the trailer harness locate the branch with the 8-way connector.
13. **For 03/24-on:** Cut the corrugated tube / plastic sheath to expose approximately 100mm of wire. Cut the connector at the cut line and discard.



14. **For 03/24-on:** Locate the vehicle 10-way trailer pre-wire connector located on the rear LHS chassis.



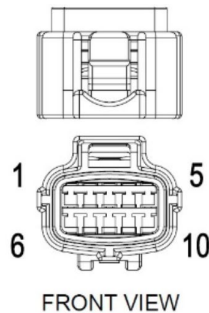
15. **For 03/24-on:** Peel back the PVC tape to allow access to strip and solder wires.



# Installation Instructions



16. **For 03/24-on:** Solder the trailer harness wires (from Step 13) and solder onto the wires of the vehicle pre-wire 10-way connector using the table below. Insulate all exposed wires with PVC tape. NOTE: Disregard, the left over grey wire. Tape this wire back PVC tape as it will not be used.



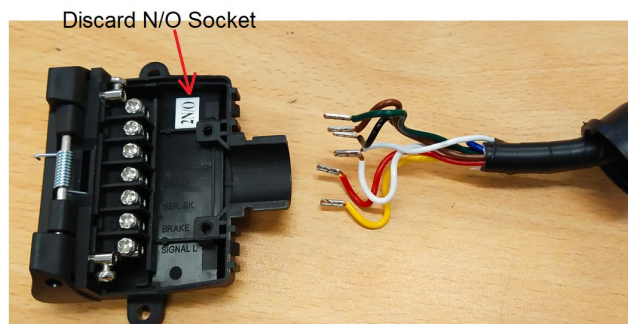
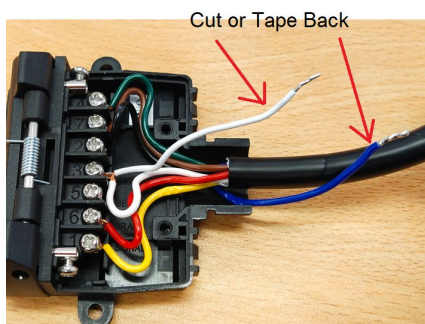
CAV	VEHICLE	TWH	FUNCTION
1	BROWN-BLACK	GREEN-BLACK	R.INDICATOR
2	-	-	-
3	LIGHT-BLUE/DARK-BLUE	BLACK-WHITE	REVERSE
4	BEIGE-RED	RED-BLACK	BRAKE
5	-	-	-
6	-	-	-
7	BROWN-BLUE	YELLOW-BLACK	L.INDICATOR
8	BLUE	BROWN/BLACK	TAIL
9	-	-	-
10	-	-	-

**For 03/24-on:** As it stands, the work around for 03/24-on models will not automatically disable the Rear Parking Assist sensors (RPA). If auto RPA deactivation is desired, follow steps (17-28)

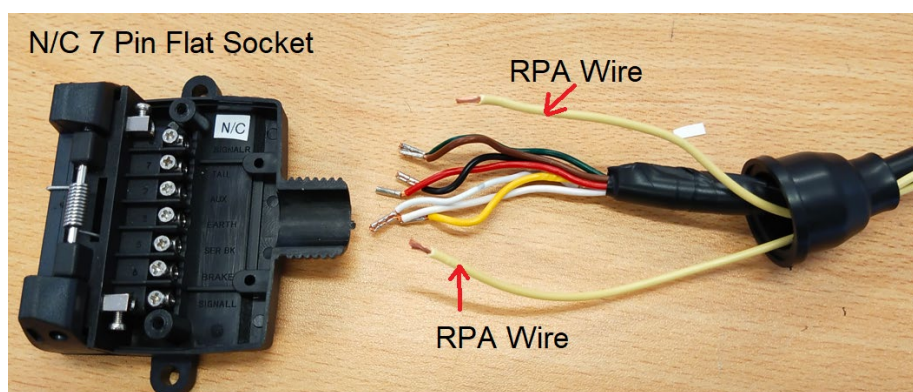
The following components are needed for this exercise:

- 7-Pin Trailer Socket (Normally Closed (N/C))
- 2m Wire (16 or 18 AWG) – Can be any colour.
- PVC Electrical tape
- Optional – Split corrugated tube.

17. **For 03/24-on:** Remove the trailer socket cover to expose the wires.
18. **For 03/24-on:** Release all fasteners and discard trailer socket from harness.
19. **For 03/24-on:** Un-tape the grommet from the socket and slide out the White wire and Blue wire from the end terminals. Tape these wires or cut back as they will not be required.



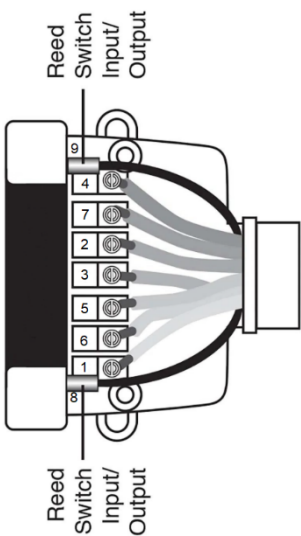
20. **For 03/24-on:** Feed the 2 free ends of the RPA wires through the grommet



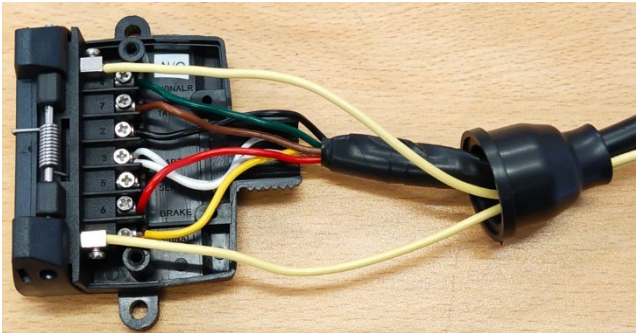
# Installation Instructions



21. **For 03/24-on:** Wire the N/C Trailer Socket as per the table, re-assemble the trailer socket.



CAV	WIRE	FUNCTION
1	YELLOW	L. IND
2	BLACK	REVERSE
3	WHITE	GND
4	GREEN	R. IND
5	—	—
6	RED	BRAKE
7	BROWN	TAIL
8	VARIOUS	RPA DIS
9	VARIOUS	RPA DIS



22. **For 03/24-on:** Use PVC tape to tape the 2 RPA wires to the harness. Split corrugated tube can also be used for a neat and tidy finish.



# Installation Instructions



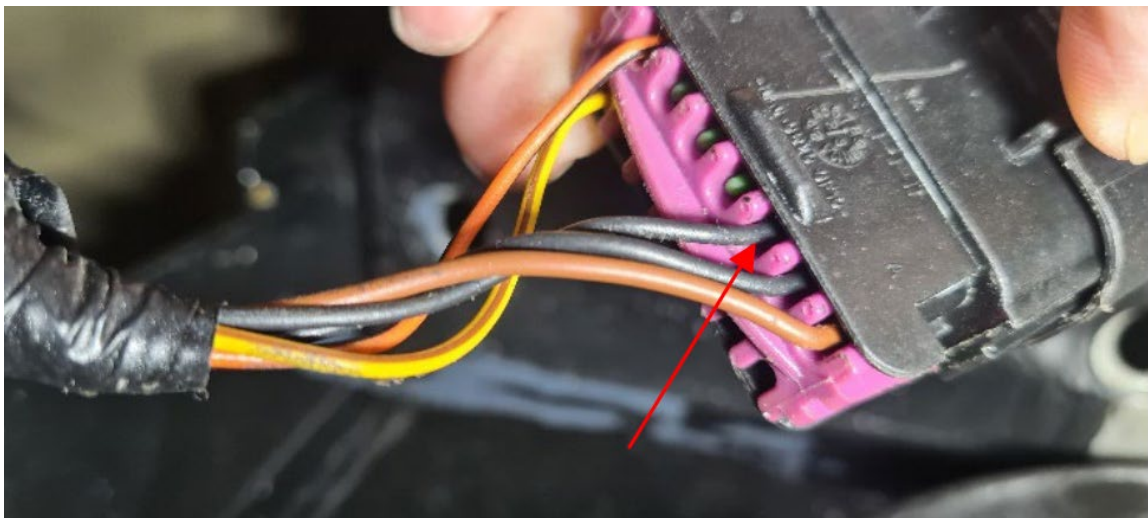
23. **For 03/24-on:** Route the remainder of the RPA wires towards the LHS Chassis.

24. **For 03/24-on:** Locate the 14-way RPA Bumper Connector



25. **For 03/24-on:** Remove the PVC tape to allow for extra wire access.

26. **For 03/24-on:** Locate the BLACK wire (Pin C) third wire in.



27. **For 03/24-on:** Measure approximately 30mm from the connector and cut the wire.

28. **For 03/24-on:** Cut the previously routed RPA Wire (so it becomes 2 wires) and join/solder each of those free ends to the black wire cut in step 27.

29. Use PVC tape to neaten up the installation.

30. Use cable ties to tidy up and secure the harness to the vehicle body and chassis.

31. Route the ground/Earth wire on the Trailer Harness back to the LHS of the vehicle towards the rear LHS passenger seat.

32. Fold the rear seat up by pulling the tab in the centre of the seat.

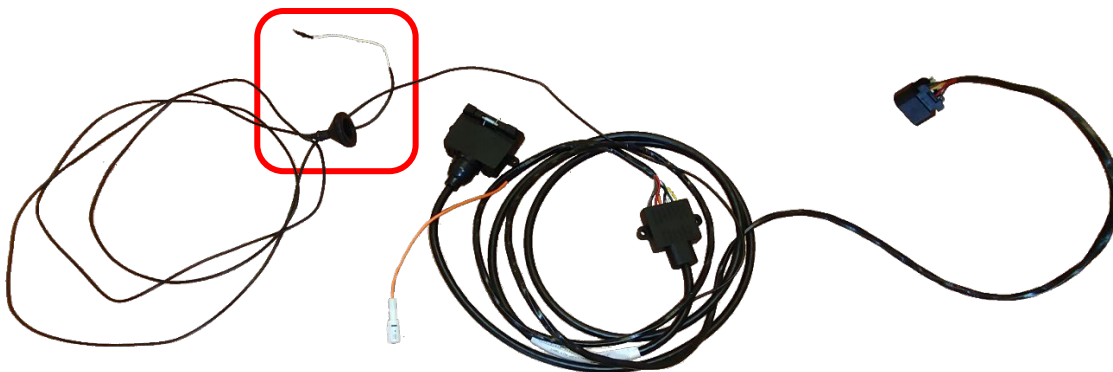
# Installation Instructions



33. Remove the LHS cover then remove the smaller blanking grommet.

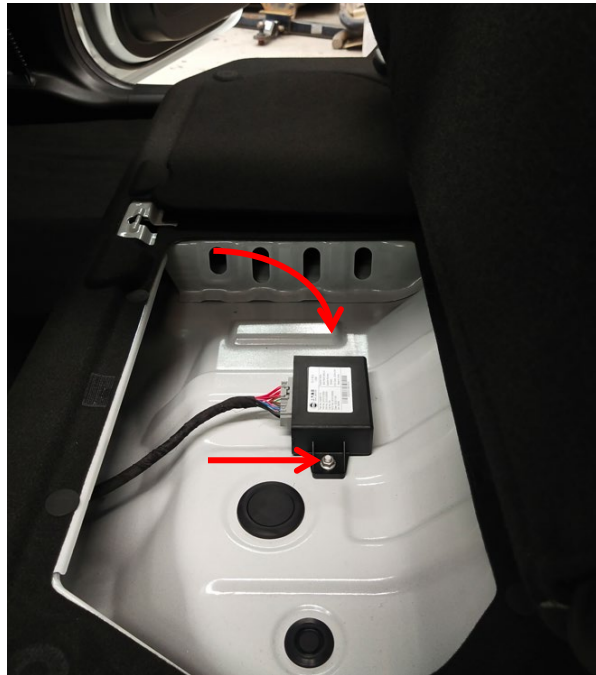


34. Route the ground/Earth wire through the grommet hole and seat the included grommet into the hole. Ensure the grommet is seated properly and sealed.

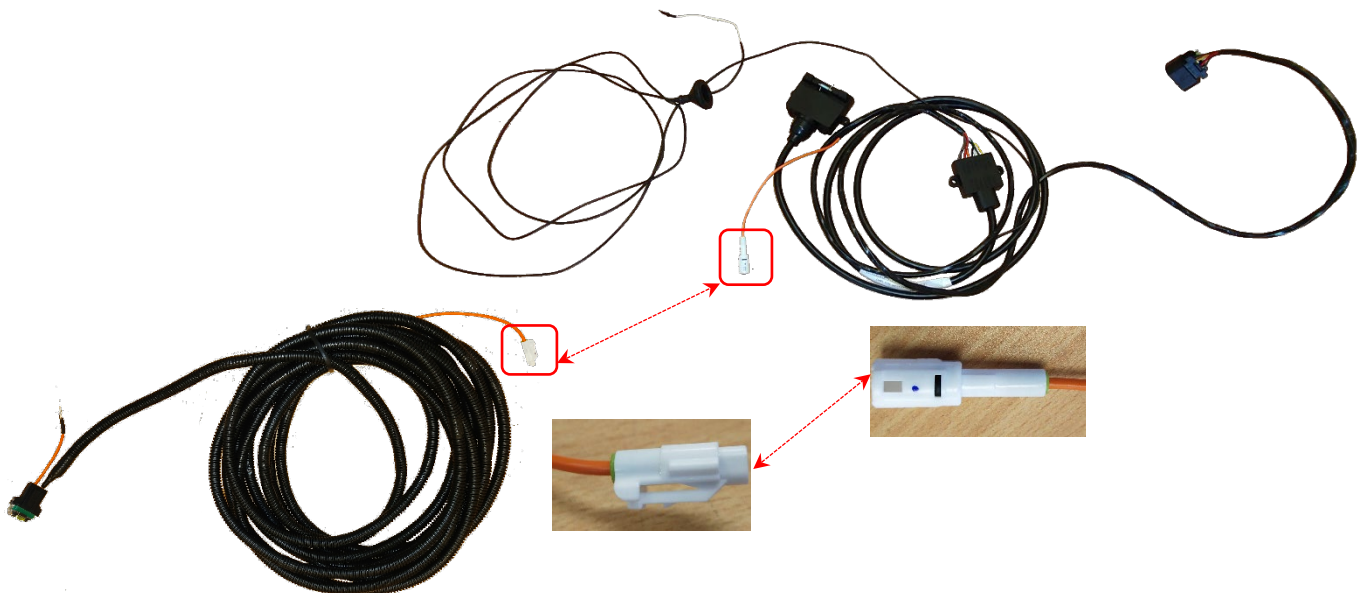


35. Loosen and remove the bolts securing the ECU. Remove the ECU and attach the ground/Earth wire to one of the studs (so that the Earth ring terminal is making contact with the vehicle body).

# Installation Instructions



36. Replace the ECU and tighten the bolts.
37. Route the trailer Plug to the Towbar and mount it to the Towbar Plug Bracket.
38. At the rear of the vehicle, connect the white male bullet connector on the power harness to the corresponding female bullet connector on the trailer harness.



39. Reconnect the vehicle battery negative terminal.
40. Test the trailer function using a light board or multi-meter.
41. Tie all excess wire to the chassis rail and/or vehicle body using zip ties (not included). **NOTE: Ensure to stay away from sharp edges and heat sources.**

# Installation Instructions



42. Place these instructions into the vehicle glove box and inform the customer of its location.

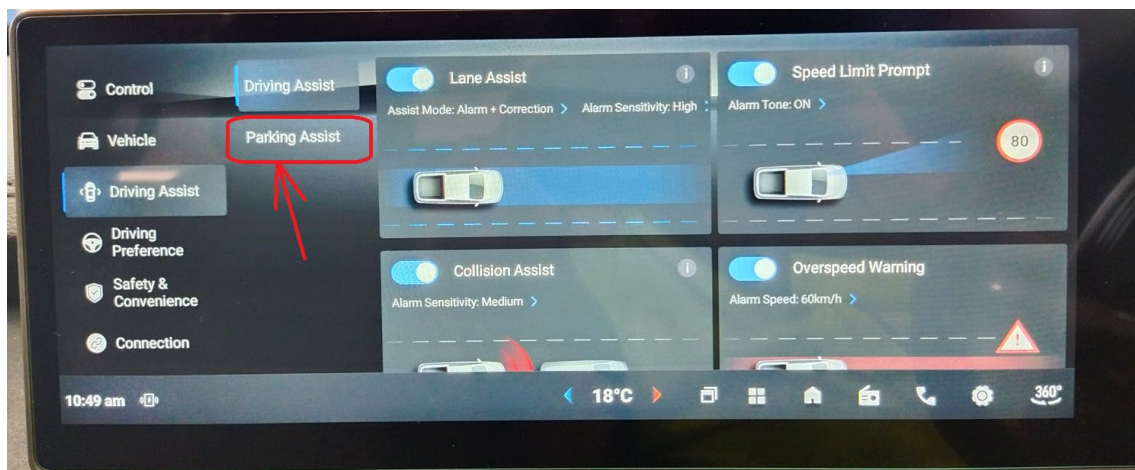
43. For 03/24-on models, follow the following steps to disable the RPA:

**Manual deactivation of Rear Parking Sensors when connecting trailer to avoid sensor activation when towing.**

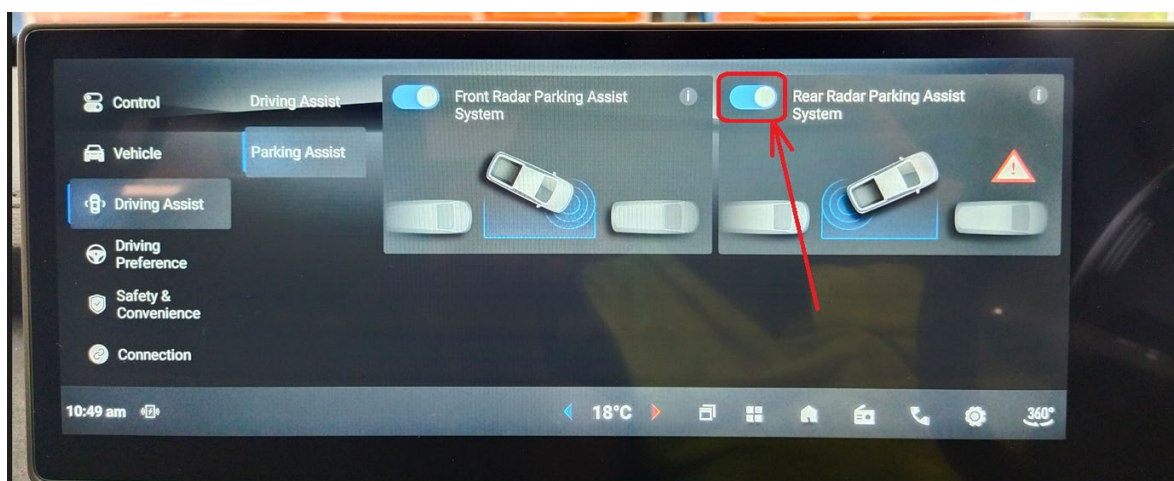
1. On the infotainment menu, press the “Settings” icon.



2. Press the “Parking Assist” option.



3. Switch slider to 'off' to disable “Rear Radar Parking Assist System”



# TAG Warranty Statement



SWD warrants your TAG Harness for 12 months (1 year) 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).