

Fitting Instructions



SKU

UNT360

PRODUCT

**Towbar Wiring Harness
for LDV D90 SUV Bi-Turbo Diesel
(04/20 -on)**

SPECIFICATIONS

- Approx. Fitment Time: 120 Minutes
- Dealer Coding Required: No
- RPA override: Yes
- Plug & Play: Yes



Scan for latest
version of these
instructions

TOOLS REQUIRED

- Spanners
- Sockets
- Torx Bits
- Side Cutters
- Trim-removal tool

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Important Information



Warning:

- Make sure all wires are routed in a manner that keeps them free from sharp edges and heat sources that could cause damage.
- 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

Fitting Instructions



Step 1: Install Wiring Harness

1. Open the bonnet.
2. In the Engine Bay, disconnect the vehicle battery negative terminal.
3. Open the tailgate.
4. In the luggage compartment, fold the rear row seats forward.
5. Remove the rear sunshade.
6. Remove the rear boot liner
7. Remove the tool tray cover.
8. Carefully dislodge the lower part of the tailgate weather strip seal. This can be done by pinching the seal and carefully pulling it away from the vehicle.



9. On the rear scuff trim, lift up the caps under the hooks which cover the screws.
10. Remove the screws which secure the rear scuff trim.



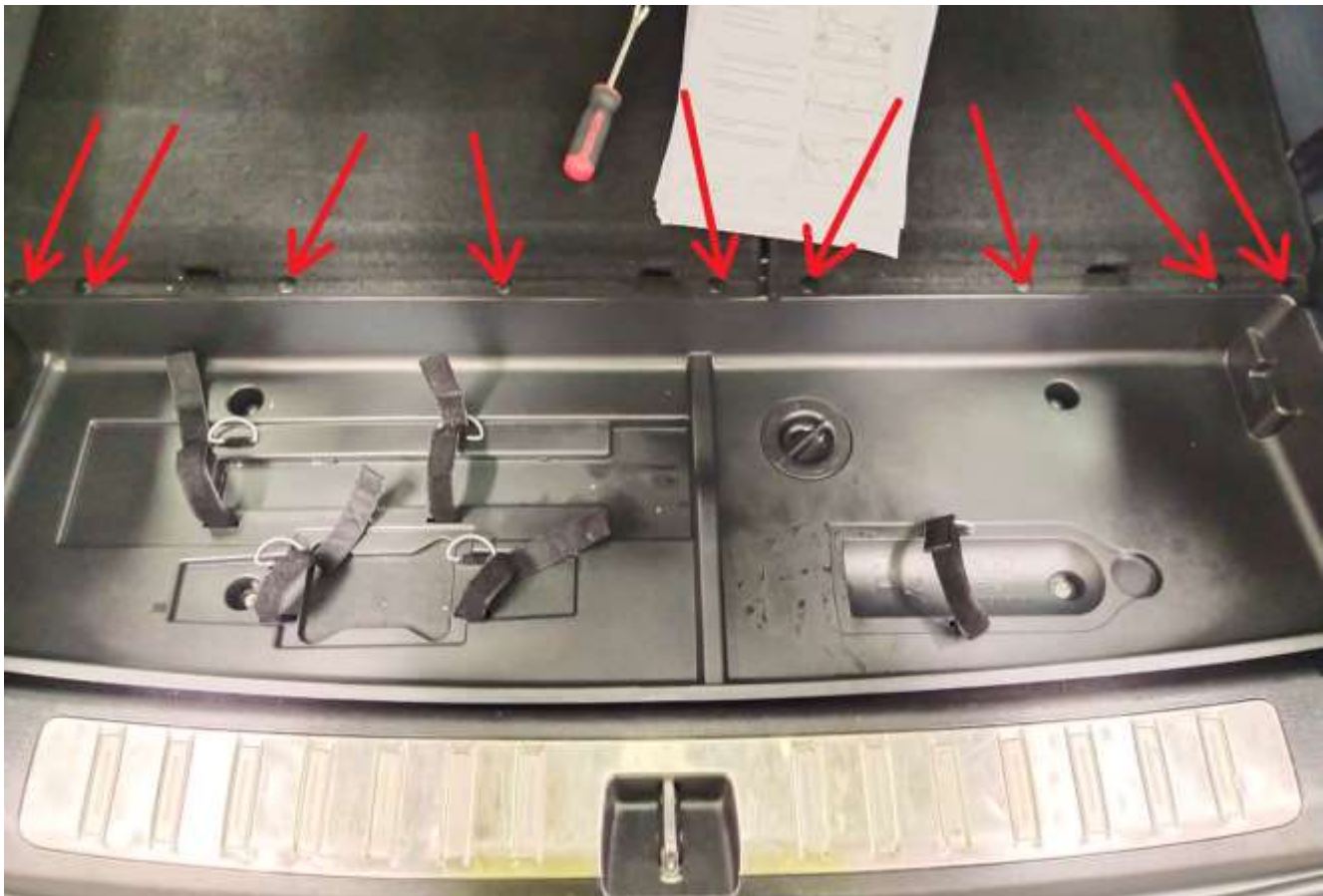
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11. Carefully remove the rear scuff trim by pulling in an upwards direction.
12. Remove the tools from the tool tray.
13. Remove the 4 nuts securing the tool tray to the cabin floor.



14. Remove the scrivets clips which secure the tool tray to the third row seats, remove the tool tray and set aside.



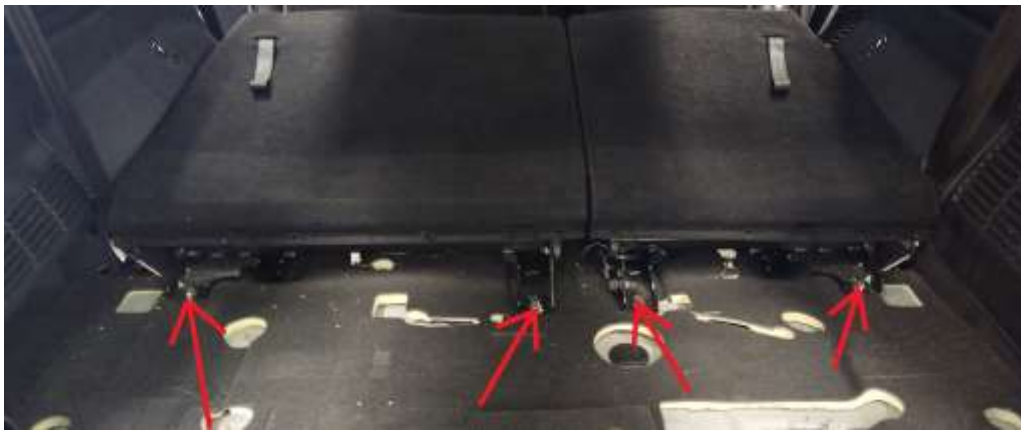
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15. Unclip 2 electrical connectors under the third row seats.



16. Remove the rear bolts which secure the third row seats to the cabin floor.



17. Fold the third row seats back rests up to expose the front bolts covers.

18. Remove the bolt covers with a trim tool or similar.



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19. Remove the bolts for both seats.
20. Fold the third row seats back down, then carefully fold the seat assemblies forward.



21. Unsecure the RHS Luggage compartment trim by removing the fasteners behind the tie down hooks, rear seat controls and the bolt securing the seat belt to the cabin floor.
22. Repeat for LHS (rear seat controls not present on the LHS).



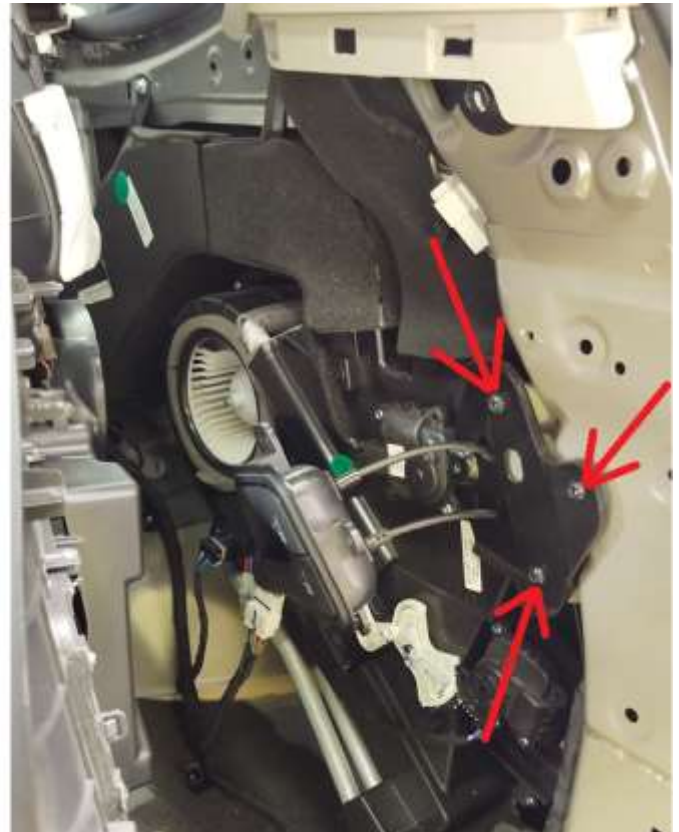
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23. Carefully dislodge the RHS & LHS compartment trims by firmly pulling on the edges.
24. In the LHS disconnect and electrical connections going to the USB port, luggage compartment light and cigarette lighter/power outlet.



25. On the RHS luggage compartment trim. Remove the screws which secure the rear seat controls to the trim.
26. Remove the screws securing the cable guide plate. These steps will give better access to the RHS tail light harness.



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27. Remove the two screws securing each of the rear tail lights.



28. Dislodge the tail lights and disconnect the tail light wiring.

29. Remove the tail lights from the vehicle.

30. At the LHS tail light, unseat the tail light harness grommet and push through the hole into the vehicle.

31. Inside the vehicle, connect the LHS connector with the foam tape on the trailer harness to the vehicles tail light connector (which was previously pushed through the grommet hole).



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32. Route the trailer harness connector through the grommet hole (step 30) to the outside of the vehicle.
33. Seat the grommet on the trailer harness into the hole. Note: Ensure the grommet is seated correctly and makes a good seal.



34. Route the RHS branch across the rear edge of the luggage compartment floor panel.
35. Repeat steps 30 to 33 for the RHS tail light.
36. Carefully pull the floor liner up in the boot to reveal the harness grommet.



37. Remove the grommet and carefully cut a slit in it large enough to route the end section of the trailer harness and connector end of the power harness.
38. Route the end section of the trailer harness up to the ECU through the slit in the grommet down through to underneath the vehicle.

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39. In the bonnet, fasten the Power Harness ring terminal to the battery positive post.
40. Route the power harness along the edge of the Engine Bay down to the LHS chassis.



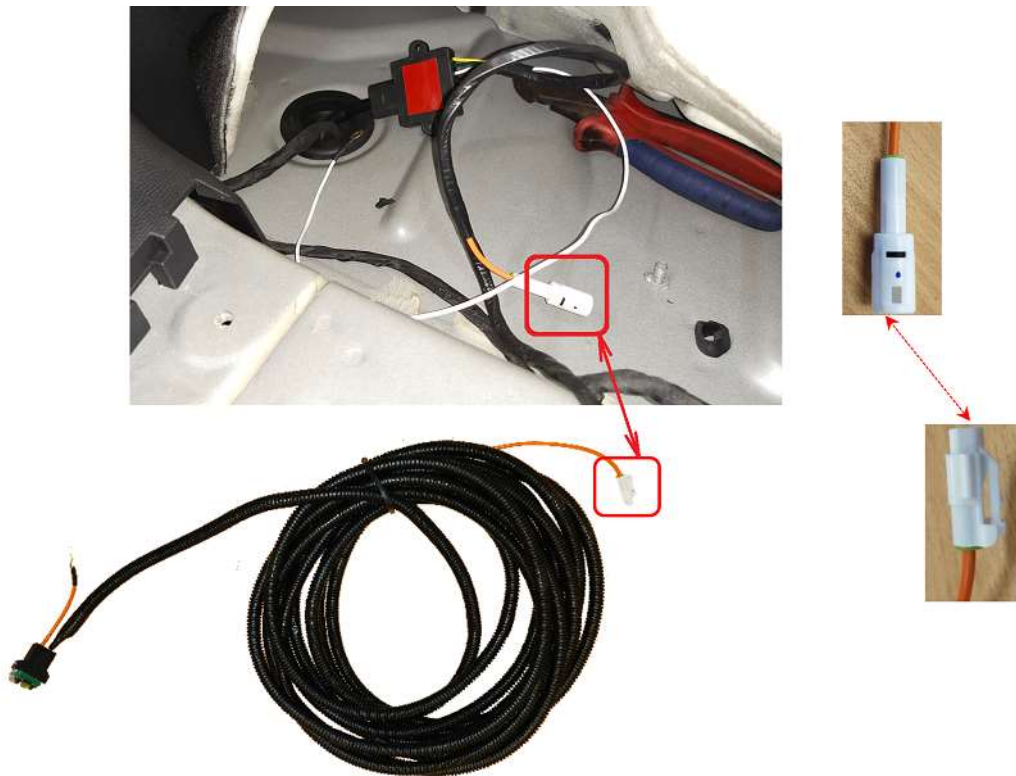
41. Route the power harness along the LHS chassis rail towards the rear of the vehicle and to the floor grommet mentioned in Step 24. Follow the existing harness where possible. Cable tie (not supplied) at least every 600mm.
42. Route the white bullet connector of the power harness up through the grommet and into the vehicle.



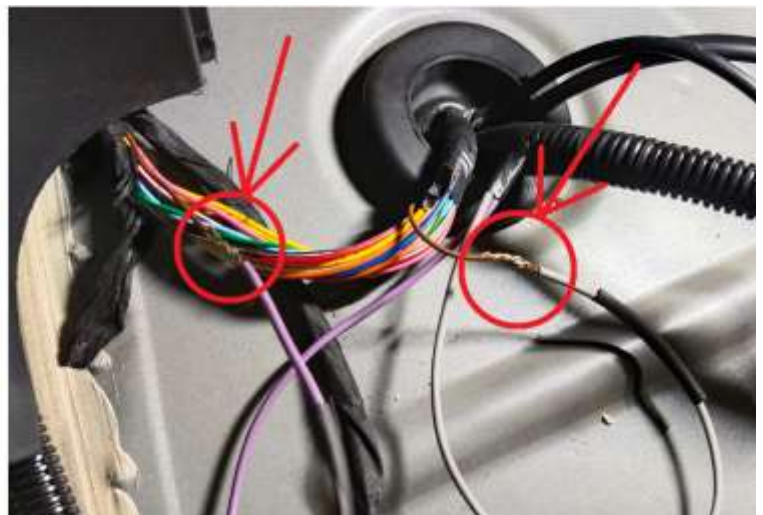
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43. Connect the white female bullet connector on the power harness to the male bullet connector on the trailer harness.



44. For auto RPA disable, locate the RPA harness in the same grommet. Cut/peel back the tape to expose the wires.
45. Locate the brown wire and cut the wire around 50mm from the connector.
46. Strip each end of the brown wire.
47. Solder the 2 loose, exposed wires (Grey & Grey/Black OR Grey & Purple) on the trailer harness to the two exposed ends of the brown earth wires on the RPA harness.
48. Apply heat shrink tube or electrical insulating tape on each of the exposed soldered connections.
49. Apply electrical tape to the harness to neaten up



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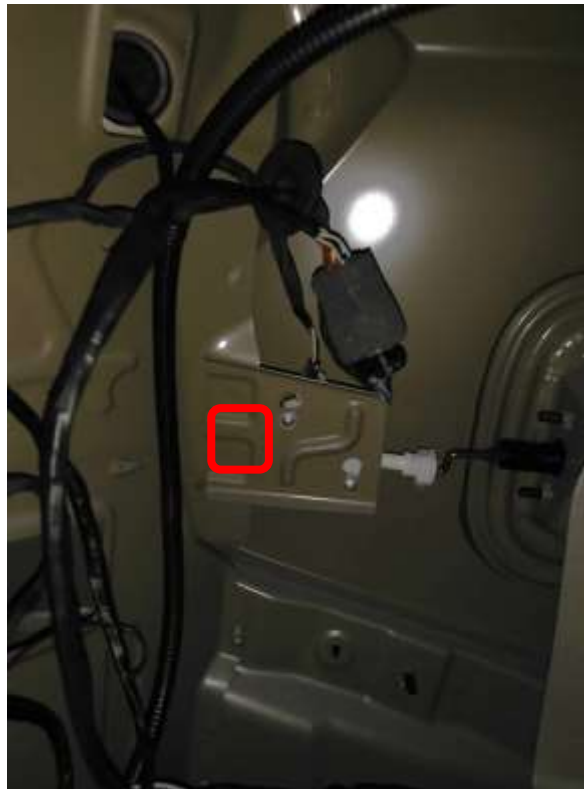


50. Using an alcohol wipe (not supplied), clean a suitable location on the LHS inner sheet metal area.



51. Peel back the double sided tape on the ECU and adhere it to the freshly cleaned area.

52. Secure the ground/Earth wire ring terminal to a suitable location with a Tek screw (not supplied). Make sure that the screw will not interfere with any vehicle components or protrude to outside the vehicle. An example of a suitable mounting area is highlighted in the image below.

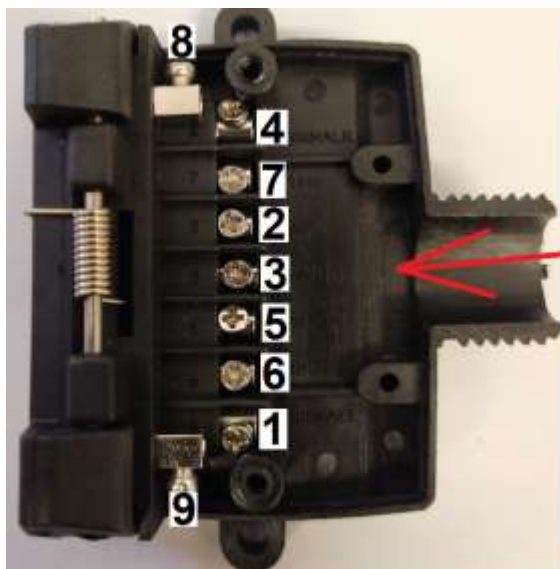


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53. Neaten up all excess cables with cable ties and electrical tape.

54. Secure the exposed wires on the end of the trailer harness to a **Normally Closed** Trailer Socket (TAG PNo. **UNT032RS**). Refer to the table below.



Pin No.	Function	Cable Colour
1	Left-hand Indicator Signal	YELLOW
2	Reverse light signal/Aux	BLACK
3	Earth return	WHITE (thick)
4	Right-hand indicator signal	GREEN
5	Service brakes	BLUE
6	Stop Lamp/Brake signal	RED
7	Tail light signal	BROWN
8	Earth (when applicable)	WHITE
9	Parking aid ground (when applicable)	BLACK/WHITE or GREY

55. Assemble the socket assembly then fasten onto the plug mount of the towbar.

56. Neaten up & tie up all excess wiring with zip ties. Make sure all wires are routed in a manner that keeps them free from sharp edges and heat sources that could cause damage.

57. Reconnect the negative terminal of the battery.

58. Use a light board, test-light or multi-meter.

59. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.

60. Place the fitting instructions in the glove box after fitment.

61. Notify the customer of the fuse at the battery.

TAG Warranty Statement



SWD warrants your TAG Wiring Harness for one (1) year from the date of the original retail purchase 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.