

Fitting Instructions



SKU

UNT368

PRODUCT

**Towbar Wiring Harness
for Ssangyong Musso
(06/2018-on)**

SPECIFICATIONS

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



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 12 Volt 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: Install Wiring Harness

1. In the engine bay, disconnect the negative terminal from the battery.
2. At the rear of the vehicle, open the tail gate and remove the 2 screws securing the LHS tail light to the vehicle.



3. Carefully dislodge the tail light from the vehicle by firmly pulling on the light assembly.
4. Disconnect the tail-light from the vehicle wiring harness.
5. Repeat steps 2 to 4 for the RHS tail light.
6. Locate the branch on the trailer harness labeled LHS.
7. Connect the trailer harness plug into the mating plug of the tail light harness.
8. Route the RHS branch behind the bumper cavity to the RHS tail light cavity and connect the RHS mating plug to the tail light harness.



Installation Instructions



9. Connect the LHS tail light assembly into the vacant RHS trailer harness plug.



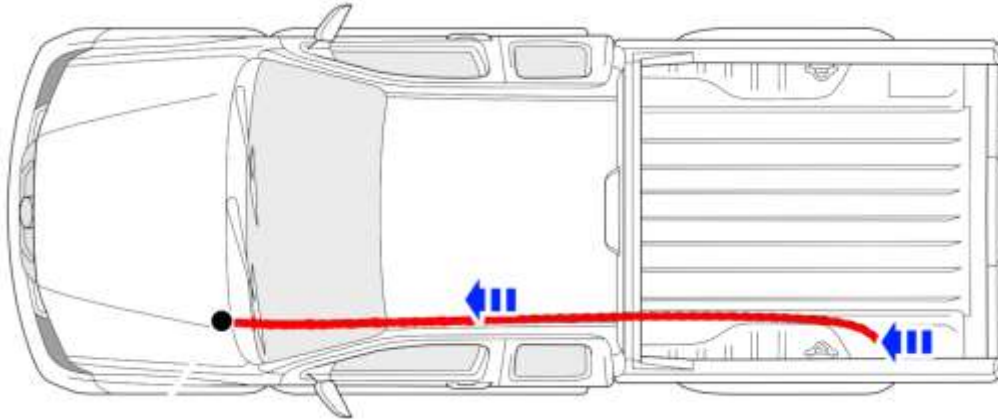
10. Reconnect the LHS taillight assembly to the vehicle.
11. Repeat steps 9 & 10 on the RHS.
12. Find a suitable flat spot to attach the trailer harness ECU.
13. Clean the area with alcohol wipes (not supplied).
14. Peel back the double sided tape on the back of the ECU and adhere to the previously cleaned area.
15. It is recommended to also use a Tek Screw (not supplied) to secure the ECU to the vehicle.



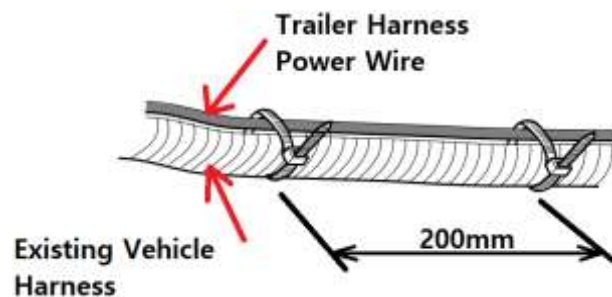
Installation Instructions



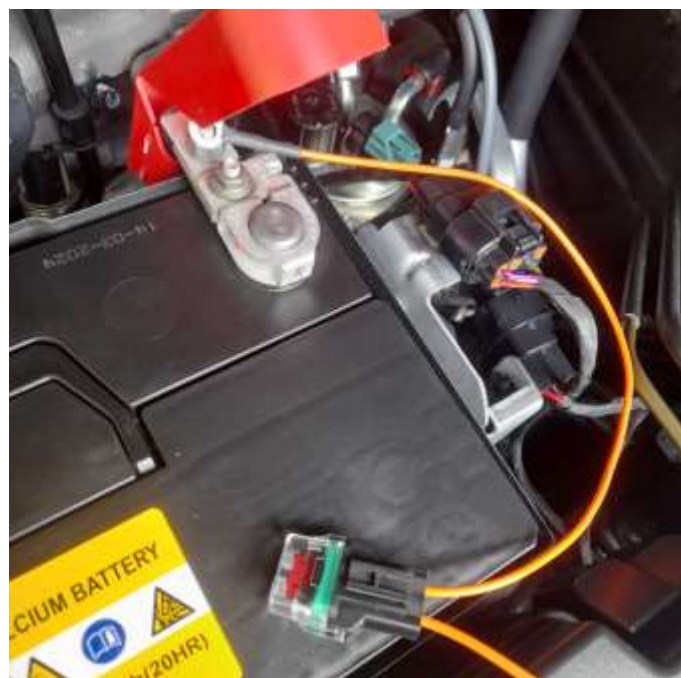
16. Under the vehicle, on the LHS, route the Red 12V power wire up to the engine bay. Follow the chassis rails and existing harness where possible.



17. Use cable ties (not supplied) at least every 200mm to secure the harness to the vehicle/existing harness.



18. At the vehicle battery, solder the power wire to the Fused power wire section harness. Use electrical tape and/or heat shrink tube to cover and insulate the exposed wire.
19. Fasten the ring terminal of the trailer harness to the positive terminal of the battery.

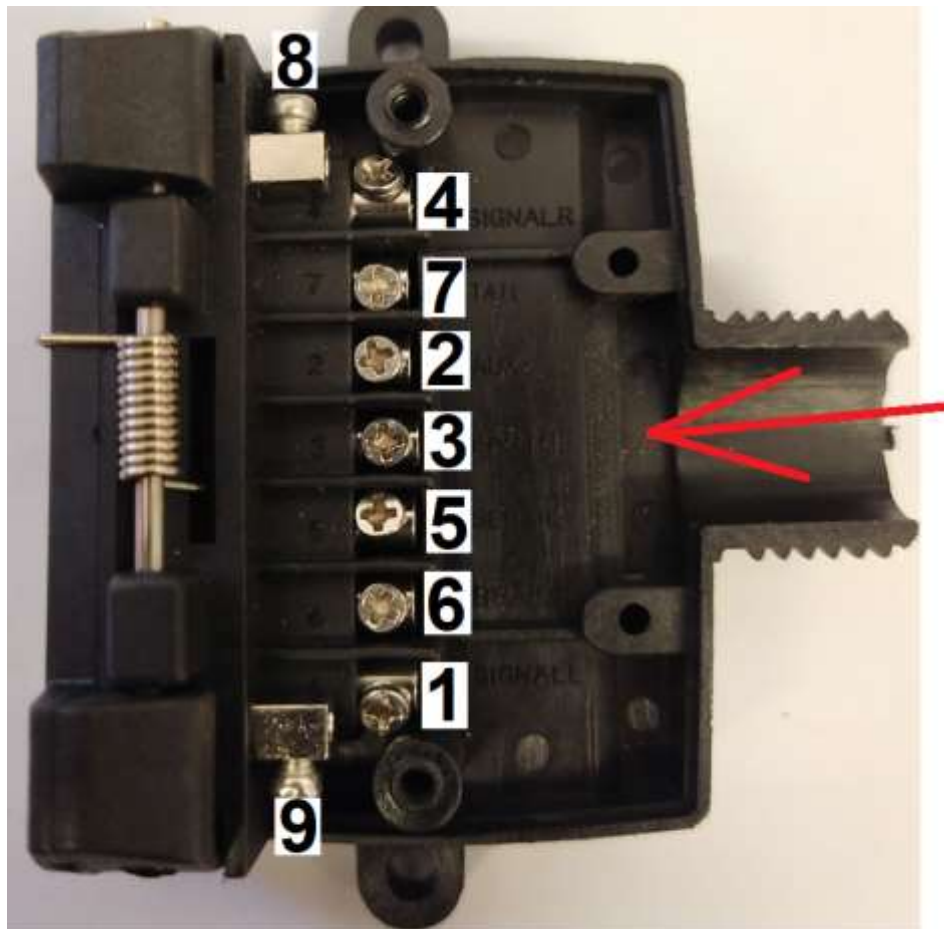


Installation Instructions



20. Route the tail section of the trailer harness through the bumper towards the plug mount of the towbar.

Insert and fasten the exposed wires to a normally closed Flat Socket (TAG PNo. UNT032RS) using the diagram and table below and page 2 of these instructions.

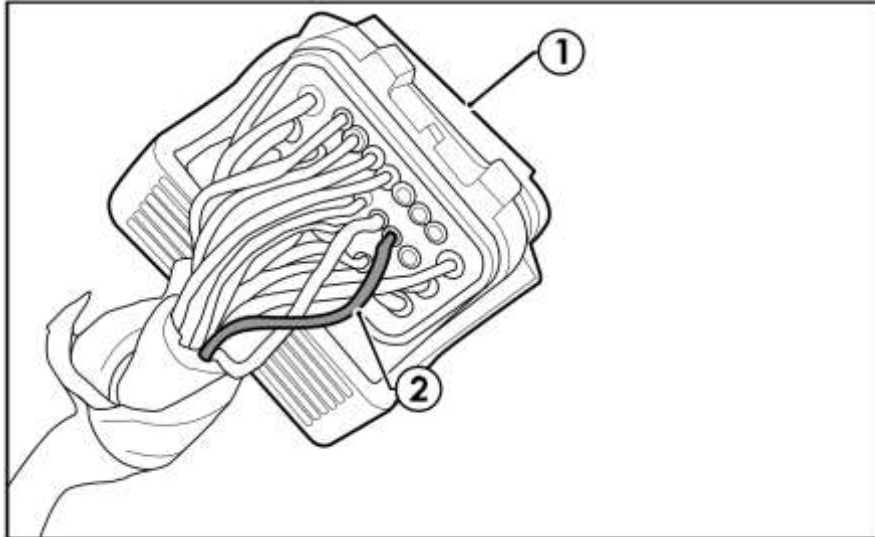


Pin No.	Function	Cable Colour
1	Left-hand Indicator Signal	YELLOW
2	Reverse light signal/Aux	BLACK
3	Earth return	WHITE (thick)
4	Right-hand indicator signal	GREEN
5	Service brakes	BLUE
6	Stop Lamp/Brake signal	RED
7	Tail light signal	BROWN
8	Earth (when applicable)	WHITE (thin)
9	Parking aid ground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

Installation Instructions



21. For vehicles with reverse sensors, under the vehicle on the left hand side behind the rear left wheel, locate the vehicle bumper harness connector (1) attached to the chassis.
22. On the vehicle side, cut the RPA ground (Black) wire (2) and strip, crimp, splice and seal the loose white & grey wires to each side of the cut black wire. **NOTE: The wire is thin Black.**



23. Under the vehicle on the vehicle body, find a suitable location to fasten the Earth ring terminal. Make sure to find a location where a tek screw will not protrude through to the outside of the vehicle body.
24. Use a tek screw (not supplied) to fasten the Earth Wire Ring terminal to the body.



25. Neaten up & tie up all excess wiring with cable ties (not included). Make sure all parts of the trailer harness are routed in a manner that keeps them free from sharp edge & sources of heat (exhaust & muffler) which may cause damage.
26. Reconnect the negative terminal of the battery.
27. Use a light test board or multi-meter to test the harness operation. Ensure to test the RPA disable functionality also.
28. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.
29. Please these fitting instructions in the glove box after fitment.
30. Notify the customer of the trailer harness 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.