

Fitting Instructions



SKU

UNT352

PRODUCT

**Wiring Harness for Mazda CX-5
(02/2017 - on)**

SPECIFICATIONS

- Approx. Fitment Time: 1 Hr
- Dealer Coding Required: No
- Reed Switch Plug Required: YES – Normally Open (UNT032RSF)
- RPA override: Yes
- Plug & Play: Yes



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

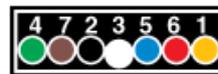


Warning:

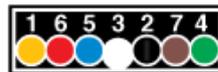
- **This unit is designed to bypass the electronic control module in the vehicle.**
- **This unit will not require dealer coding.**
- The power source wire is for 12volt only. This can be taken directly to the battery or to a constant power source. This wire must have a 20-amp blade fuse housing attached. Please check that a 20-amp fuse is installed.
- **THE 20AMP FUSE MUST NEVER BE REMOVED AND CANNOT BE CHANGED FOR A HIGHER RATED 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



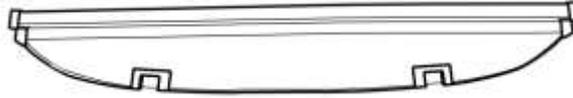
7 Pin Socket

Installation Instructions

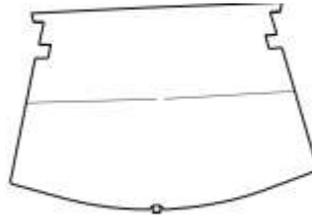


Step 1: Remove Parts from Rear Cargo Area

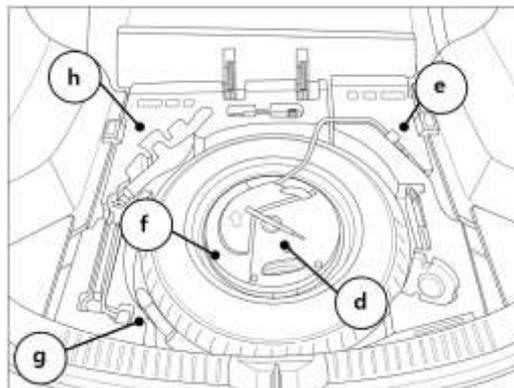
- a. Disconnect the negative battery terminal
- b. Remove Cargo Blind (if fitted)



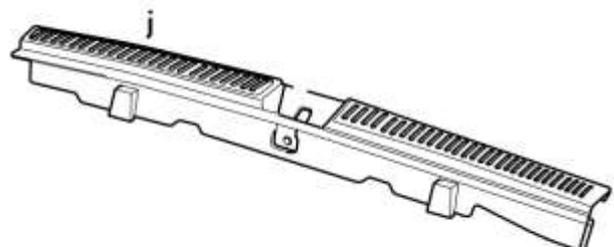
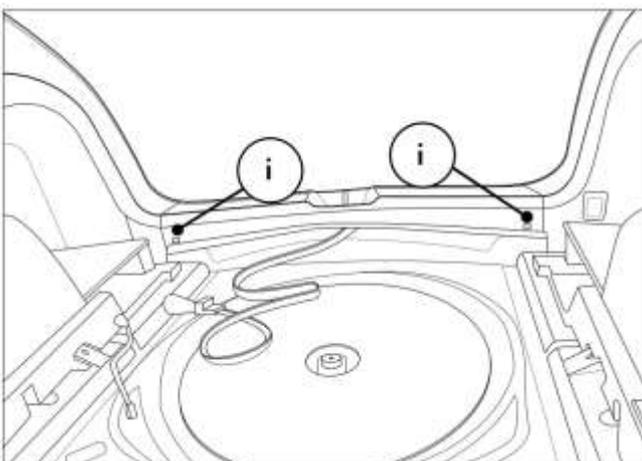
- c. Remove Carpet from the rear cargo area.



- d. Remove bolt in the centre of the Spare Wheel
- e. Disconnect the connector located outside of the spare wheel.
- f. Remove the Subwoofer from inside the Spare Wheel (if fitted)
- g. Remove the Spare Wheel.
- h. Remove plastic Storage Trays.



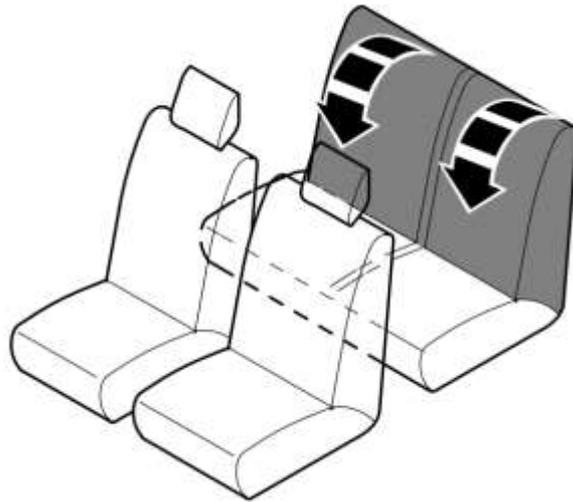
- i. Remove 2 clips securing the rear compartment trim.
- j. Remove Centre Trim by pulling upwards



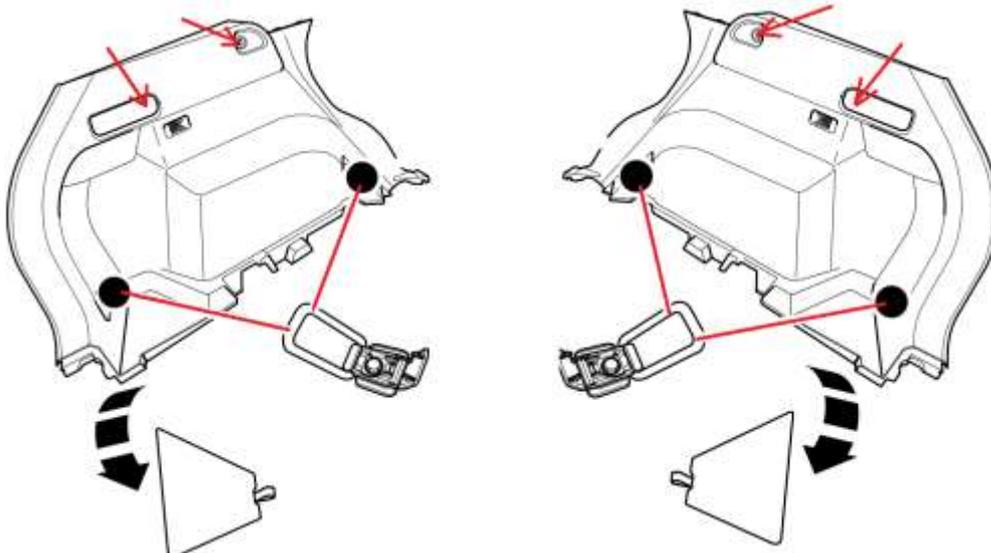
Installation Instructions



k. Fold Rear Seats Forward



- l. Remove plastic screw cover and two Phillips head screws.
- m. Remove the clip
- n. Remove 2x 10mm bolts then remove 2x tie down hooks.
- o. Dislodge the PS (passengers side) panel trim.
- p. Repeat for the DS (drivers side).

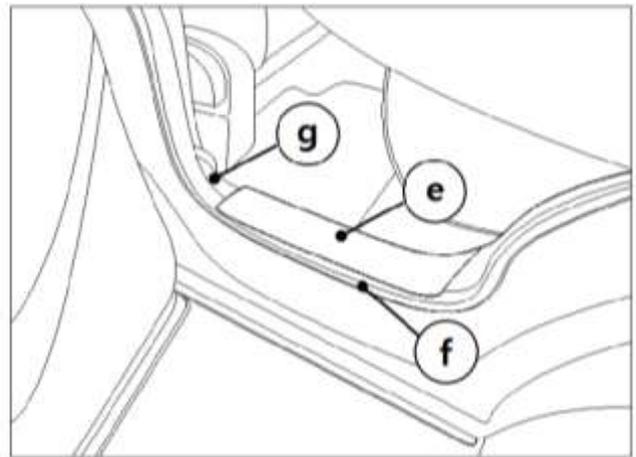
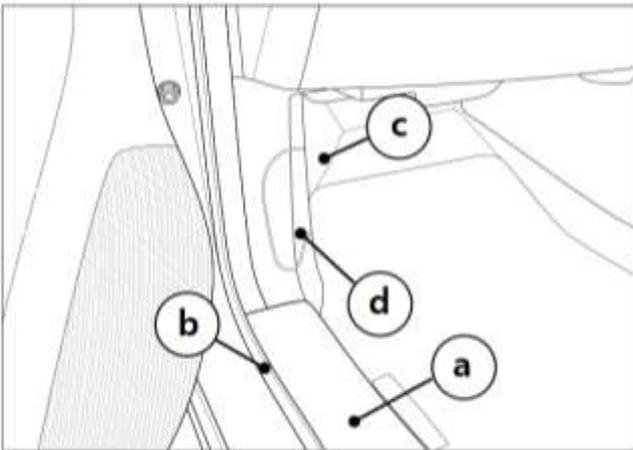


Installation Instructions



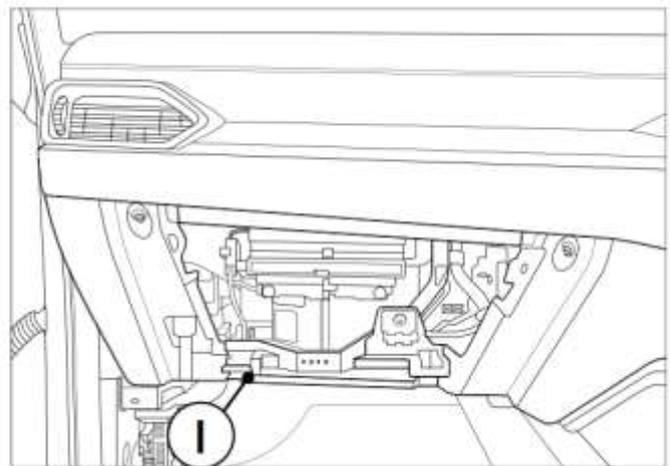
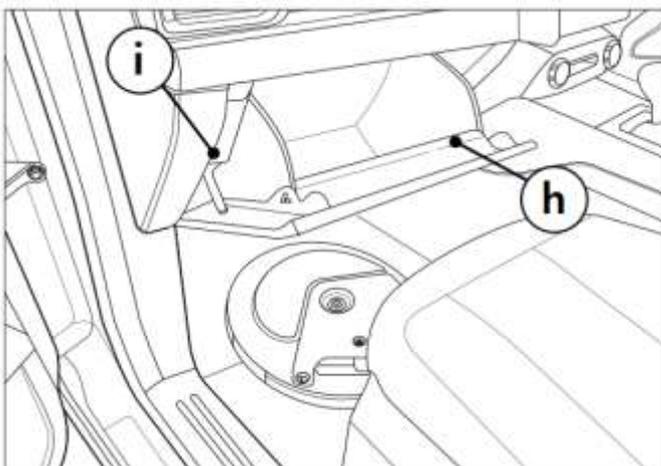
Step 2: Remove Front & Back Passenger Cabin Trims & Glovebox

- a. Remove PS Front Door Sill Trim
- b. Dislodge the PS weather seal..
- c. Undo plastic nut.
- d. Remove PS Kick Panel Pillar Trim
- e. Remove the PS Rear Door Sill Trim
- f. Dislodge the rear PS weather seal.
- g. Dislodge the base of the PS 'B' pillar trim.



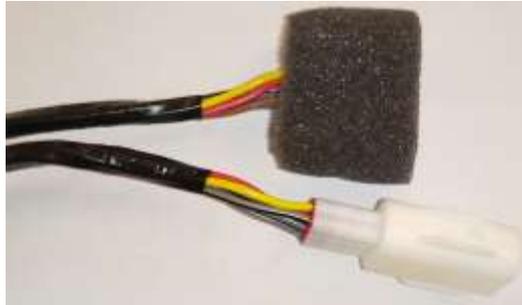
Remove Glovebox:

- h. Open glovebox
- i. Disconnect Damper
- j. Squeeze both sides of glove box & swing down
- k. On the each corner of the glovebox, pull drawer towards seat to dislodge hinges.
- l. Remove under dash trim below glove box.

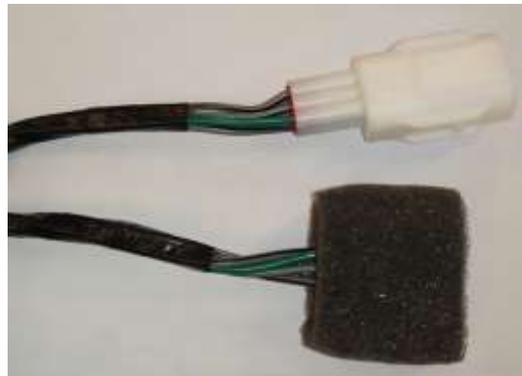


Step 3: Install Harness

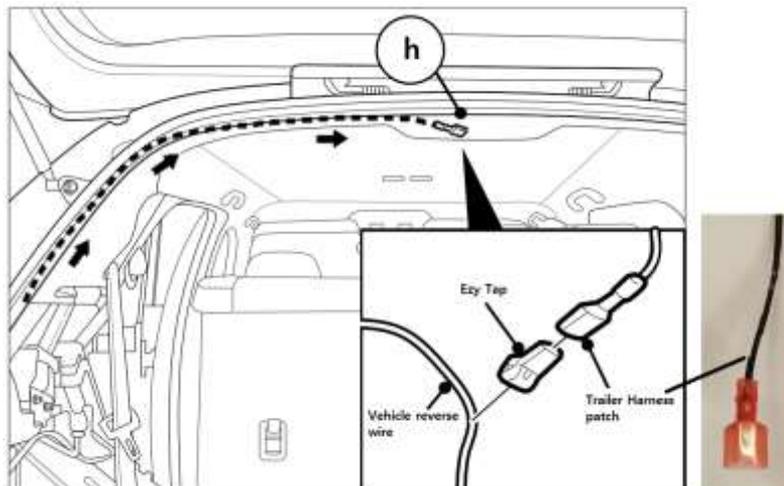
- a. Disconnect both PS and DS Tail lights then connect Trailer Harness into PS Taillight using 6-Way Connectors on loom (yellow wire plugs)



- b. Route DS 6-Way Connectors to the DS taillights. Follow existing wiring across the rear panel.
c. Connect the Trailer Harness into DS Taillight using 6-Way Connectors on loom (green wire plugs)



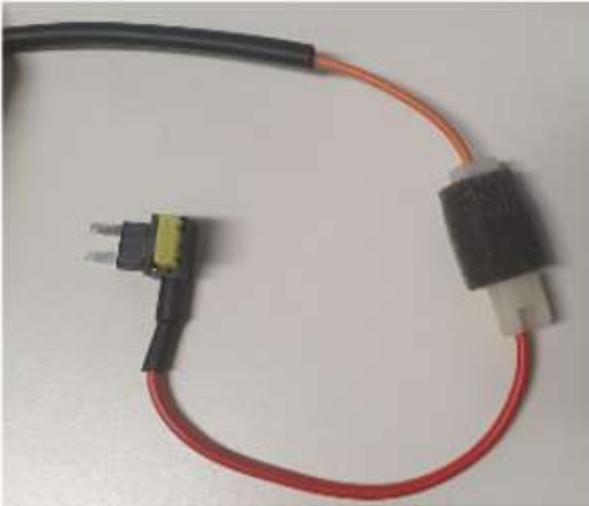
- d. Connect the Earth Ring Terminal to the Vehicle Earth Point located near the rear wheel guard on the PS.
e. Pierce a small hole in the rubber grommet in the floor panel and feed the 7 core tail cable through to the outside of the vehicle.
f. Reseal the pierced hole with silicone sealant.
g. Route the 7-core cable to the plug mount on the towbar.
h. If reverse lights are required on the trailer (**optional**). Use a test-light or multi-meter to identify the reverse signal wire found in the roof lining. Connect the black wire with red male terminal on the trailer harness to the reverse wire using an ezy-tap (not supplied), scotch lock (not supplied) or by slicing and soldering.



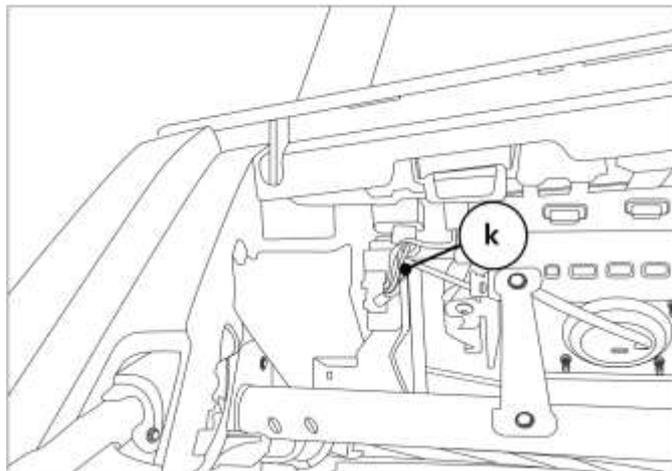
Installation Instructions



- i. Route the 28 Pin Patch & 12V Power Wire to the front passenger cabin. Follow the existing wires along the PS of the vehicle on the inside.



- j. Find an empty fuse slot with constant 12V + feed in the PS Kick Panel Fuse Box and insert fuse holder attached to the power wire in the trailer loom.
- k. Locate the PDC Module behind the glovebox cavity.
- l. Unplug the 28 Pin Connector from the PDC Module and patch in the trailer harness plugs.



- m. Connect the 1 pin connector on the end of the 28 Pin patch harness to its mating connector located on the Earth terminal branch of the trailer harness.





Step 4: Test Harness & Reinstall Vehicle Parts

- a. Connect the exposed tail wires to a Normally Open Reed Switch 7-Pin Flat Socket (PNo. UNT032RSF).
- b. Mount the socket onto the plug mount of the towbar.
- c. Reconnect the tail lights.
- d. Reconnect the negative terminal of the battery.
- e. Test the trailer harness using a light test board.
- f. Neaten up all wiring using cable ties (not supplied) making sure the harness does not interfere with any sharp objects or sources of heat.
- g. Re-install all removed parts from Steps 1 & 2.
- h. Inform the customer of the location of the 20 Amp fuse.
- i. Place these instructions in the glovebox.

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.