

HAYMAN REESE

PART No: 03092W

KIA RONDO RP SERIES 06/13 Onwards

INSTALLATION INSTRUCTIONS

PLEASE ENSURE THAT ALL INSTRUCTIONS ARE UNDERSTOOD PRIOR TO FITMENT
PLACE THESE INSTRUCTIONS IN THE VEHICLE'S GLOVEBOX AFTER INSTALLATION IS COMPLETED



Installation Time: Approx 90 Mins

Towbar Installation Instructions

Towbar capacity

KIA RONDO RP SERIES 06/13 Onwards

Part Number 03092W

Max Towing Braked 1400 kg

Max Towing Unbraked 740 kg

Max Static Ball Load 140 kg

Hayman Reese (Cequent)
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Warning:

1. Do not, drill, cut, weld or otherwise modify the towbar.
2. If you are using electric welding on a motor vehicle, **always** check that the vehicle is not equipped with electronic engine or instrument management equipment. Failure to do so could **destroy** any onboard computers. If in doubt, check with the vehicle's manufacturer.
3. If TBM is used in inverted position tow ball may make contact with rear tailgate when lowered, which could cause damage.

General:

1. Ensure all hardware items have been included refer to assembly diagram.
2. It is recommended that the instructions are read through and completely understood before making any attempt to fit this product.
3. Be wary of any changes to vehicle designs or other accessories that may conflict with the installation of this product.
4. Before drilling ensure that the area is clear of fuel, electrical & other components.
5. All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.
6. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorised **Hayman Reese** dealer if further information is required.
7. Ensure that all hardware is fastened to torque list below check fasteners on regular basis.
8. Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door. **(See diagram below).**
9. Hayman Reese recommends that you check your tow ball to ensure that it complies with the Australian standards **AS 4177.2**.
10. **PLEASE NOTE:** It is advised to remove your lug or tbn when not actually towing so as to produce a clear view of the vehicles registration plate if obscured, and to also provide maximum available departure angle.
11. Pull Pin must be fit in down position.

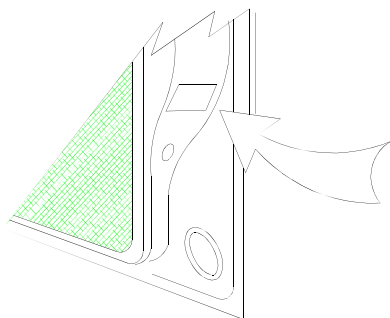
Tow bar Maintenance and Care.

Hayman Reese recommends that bolt torque's, as listed below, are routinely and regularly inspected and checked for correct tension. Replace any worn or defective parts.

We recommended to remove Tow Ball Mounts (TBM's, tongues or lugs) when not being used for any considerable length of time.

So as to avoid injury, when not towing it is suggested that the tongue, Pull Pin and R-clip are removed then stored in a safe, clean and dry place, away from excessive moisture.

Hitch Pull Pins and spring "R" clips are regularly checked for proper installation. Replace any worn or defective parts.



Place load rating sticker
inside driver's door here

RECOMMENDED ASSEMBLY TORQUE LISTING

Diameter Grade 8.8 Bolt

M6	9.5 Nm
M8	21.7 Nm
M10	43.4 Nm
M12	77.3 Nm
M14	146 Nm
M16	189.8 Nm

FOR TOWING PURPOSES ONLY

For towing capacity details please refer to vehicle owner's manual or to the manufacturer. Overloading can void your warranties.

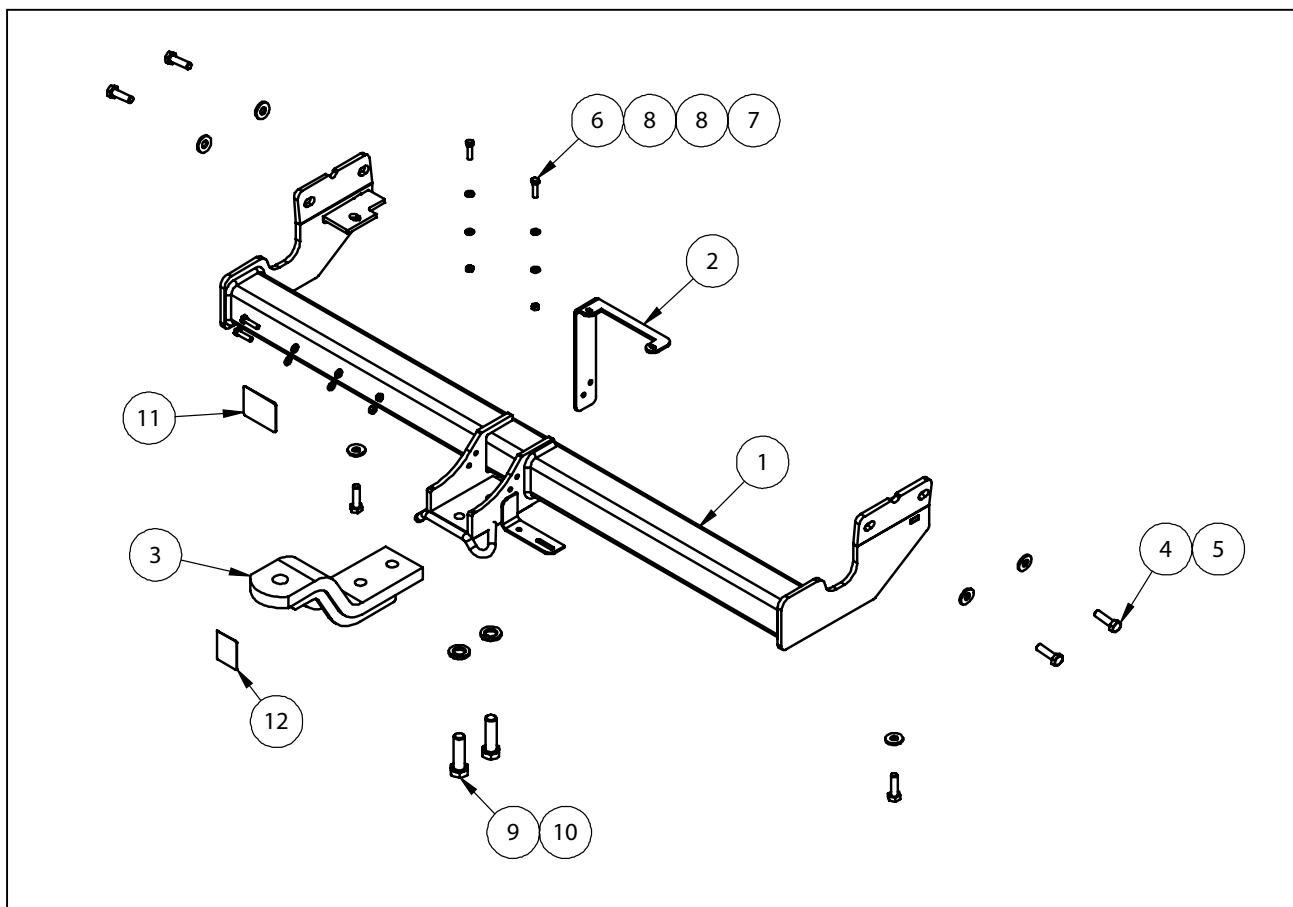
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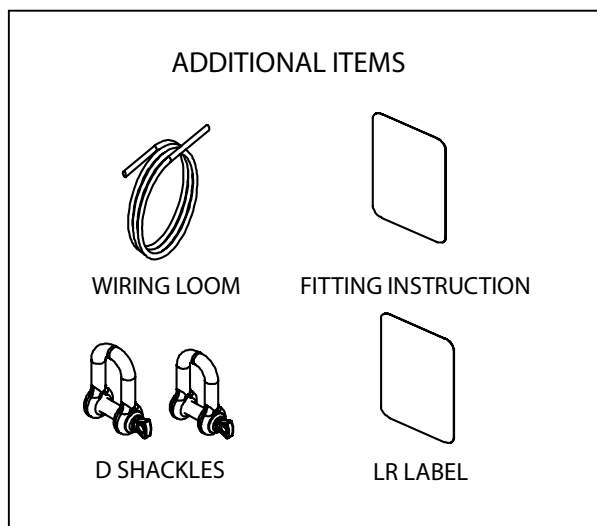
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QTY	DESCRIPTION	ITEM NO
1	WELDED ASSEMBLY	1
1	SMART KEY HOLDER	2
1	LUG ASSEMBLY	3
6	SET SCREW HEX HD M10x35x1.25P	4
6	F/WASHER M10x25.4x3 480HR	5
4	SET SCREW M6x25x1P	6
4	HEX NUT M6x1.0	7
8	WASHER FLAT M6x12.5x1.2	8
2	CS BOLT M16x55	9
2	SPRING WASHER M16x5x3.5	10
1	ACRYLIC COMPLIANCE PLATE	11
1	H.R STICKER	12



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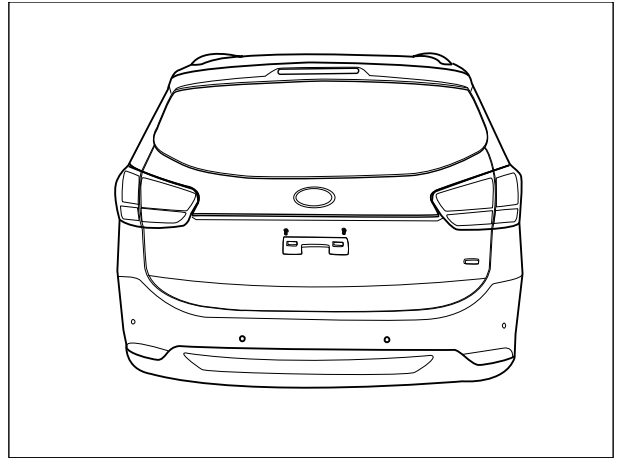
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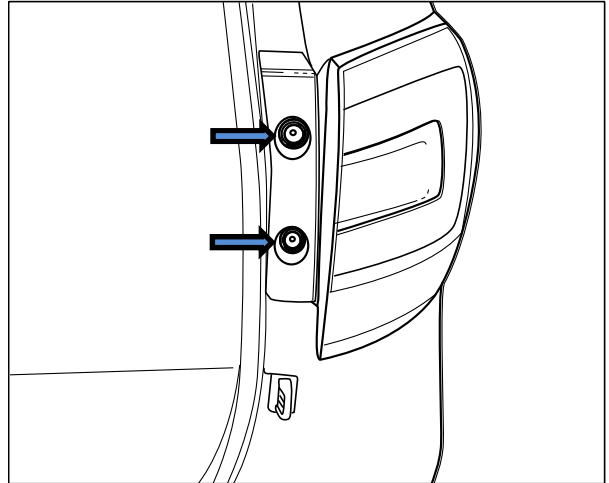
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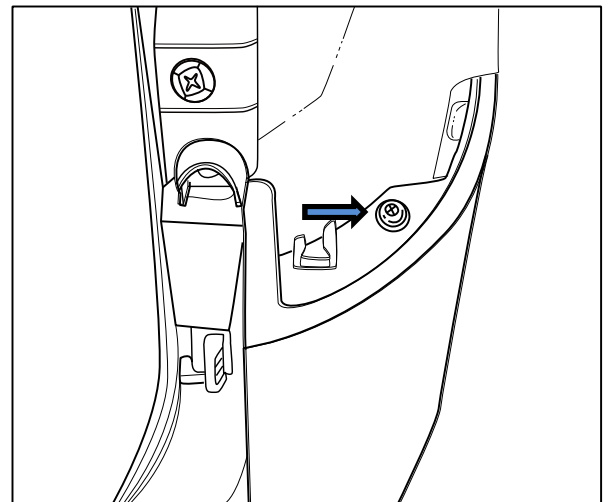
1. Release the Rear tail gate to expose the Boot.



2. Disconnect the two Rear Tail lights by removing the two Screws for both Passenger and Driver's side.



3. Remove the Scrivet securing the top face of the Bumper to the Rear quarter Panel.



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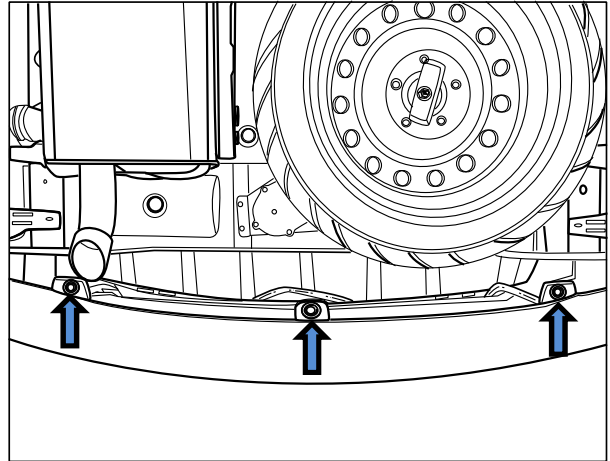
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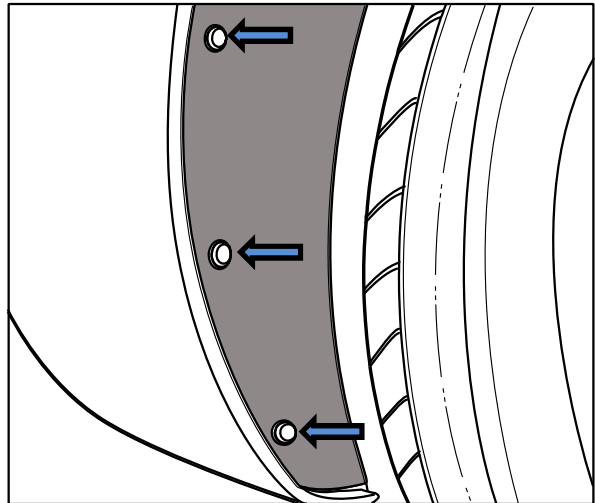
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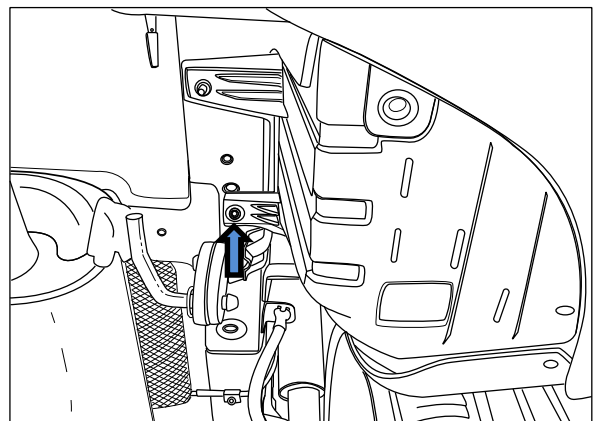
4. Remove the five Scrivets on the underside of the Bumper.



5. Remove the five Screws on the inside of the Guard liner.



6. Remove the Set Screw securing the under body trim to the Chassis. Repeat for both Passenger and Driver side. Carefully remove the under body trim and keep aside.



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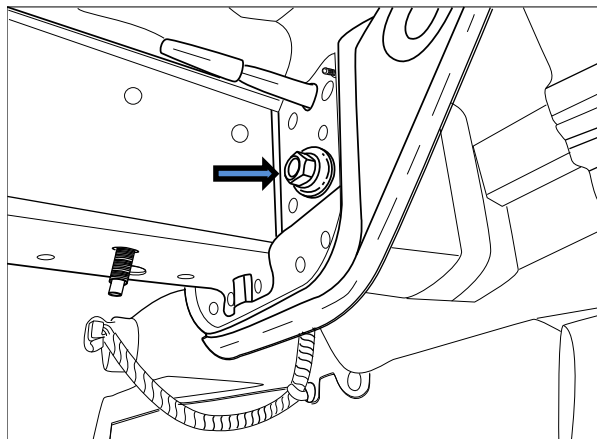
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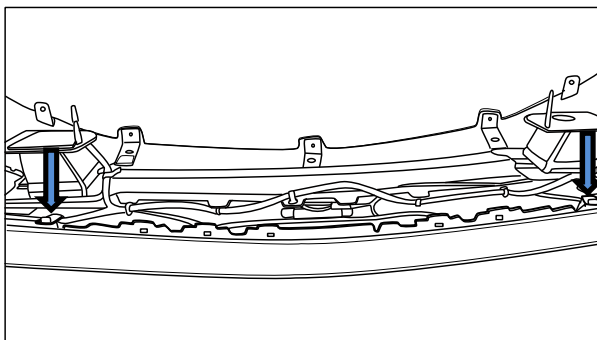
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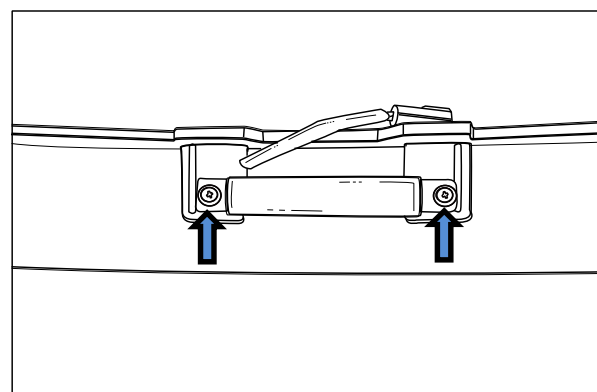
7. Remove the 2x Set Screws securing the impact Beam. Carefully remove the Bumper, whilst disconnecting any factory parking sensors and keep in a safe place.



8. On the inside face of the Bumper remove the two steel clips and disregard. Separate the impact beam from the bumper by removing any remaining Screws or Scrivets. Retain all factory wiring on the Bumper.



9. Remove the smart key sensor off the impact beam by removing the two Screws. Retain for later fitment.



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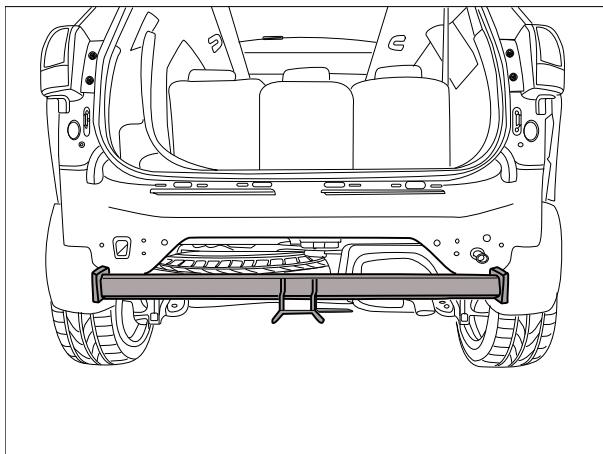
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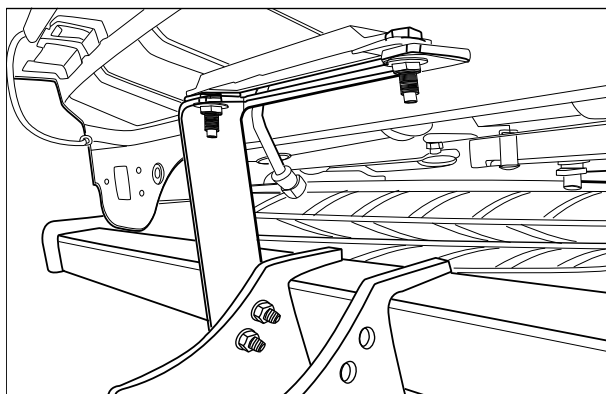
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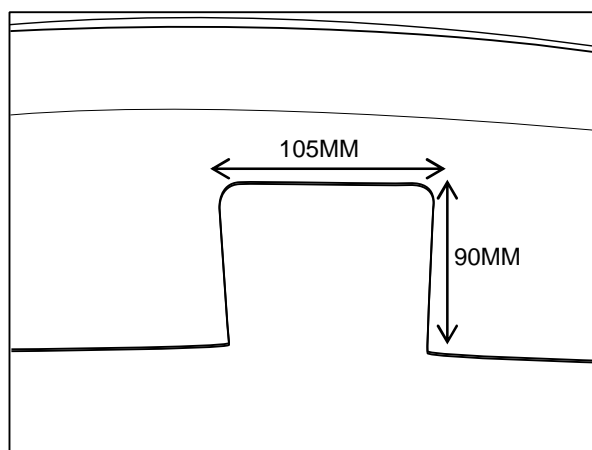
10. Offer the Towbar to the vehicle. Secure the Towbar to the chassis using the 6x M10 Set Screws and supplied Washers. Torque Set screws to specifications as per page 2.



11. Using the relocation Bracket, 4x M6 Set Screws and respective Washers mount the Bracket and smart key sensor on to the Towbar.



12. From the centre of the Bumper carefully cut approximately 105mm and 90mm from the bottom edge.



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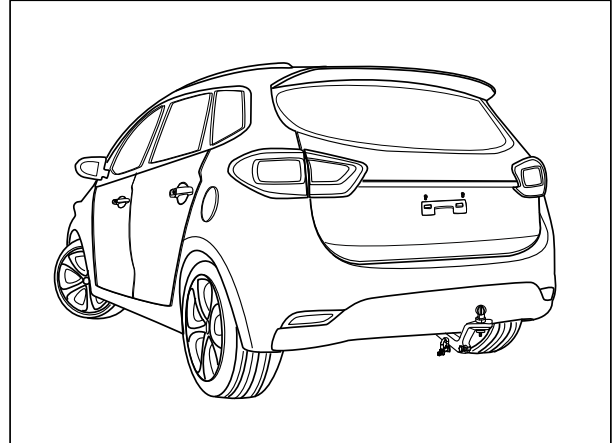
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13. Modify under body trim to suit re-attachment to the vehicle. Re-attach bumper to vehicle re-connecting any factory fitted reverse sensors by completing steps 1-7 in reverse.



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Wiring Loom Installation Instructions

KIA RONDO

Part No: 100148-WL

Tail Harness Length Required: 1800mm

Wiring Loom Installation Time: Approx. 45 minutes

Issue Date 05-03-15

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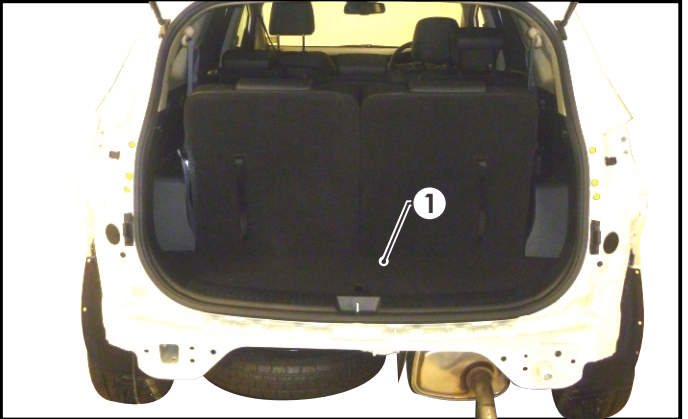


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1. Remove the rear bumper from the vehicle.
2. Inside the luggage compartment, fold down the rear seats and remove the floor carpet (1).



3. Remove the centre tool tray and all its contents (1). Remove the LHS and RHS trim covers (not shown).



4. In the luggage compartment, remove the rear seat rear fasteners (1).



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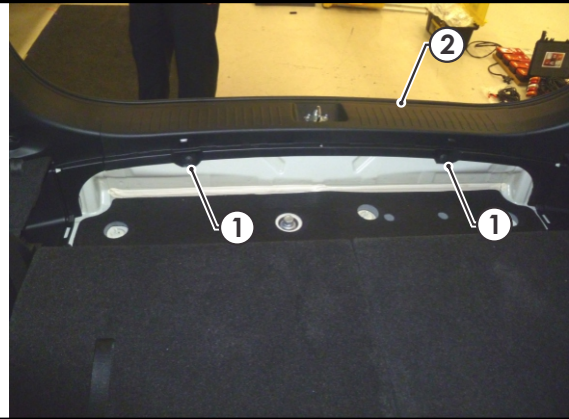
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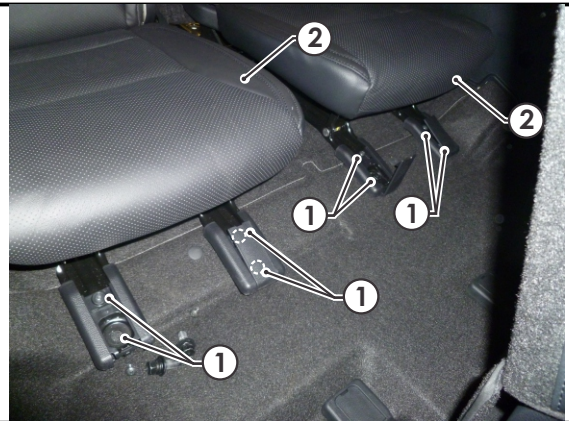
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5. Remove the luggage compartment rear trim two fasteners (1) and then remove the rear trim (2).

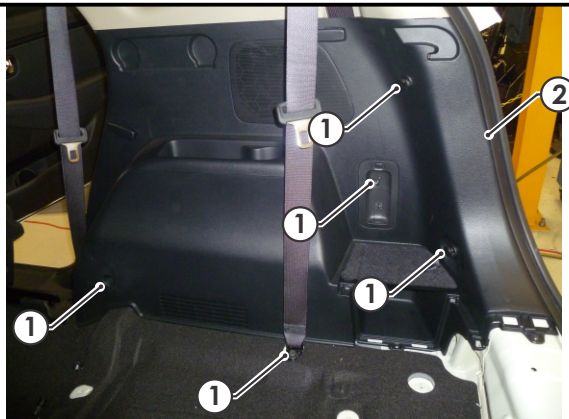


6. Remove the rear seat front fasteners (eight total) (1) and then remove the rear seats (2).



7. Remove the fasteners (1) from the RHS luggage compartment trim (2) and then dislodge the whole trim to gain access to the vehicle harness wiring above the wheel arch area.

Repeat for the LHS.



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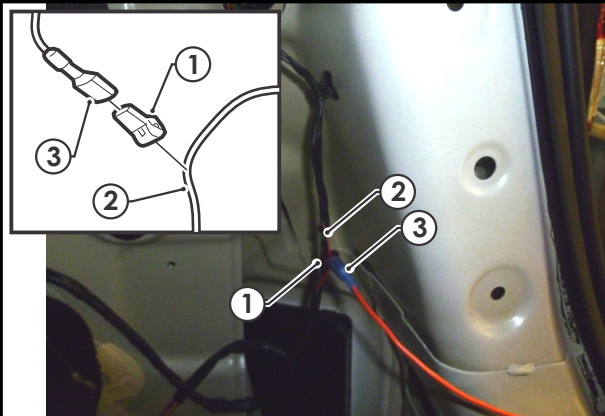
8. On the exterior LHS rear quarter sheet metal area (next to the vent), locate the vehicle grommet (1) and remove.
9. Drill out the exposed vehicle grommet hole (1) to Ø30mm. Apply rust inhibitor after drilling.



10. In the luggage area, at the RHS rear quarter of the vehicle, connect the trailer patch (P/No: 100148-WL) ezy-tap (1) to the corresponding vehicle harness wire (2) and then connect the trailer patch terminals (3) to the ezy-tap (1) by referring to the table below.

Function	Trailer Patch	Vehicle Connector
R.IND	GREEN	RED / BLACK

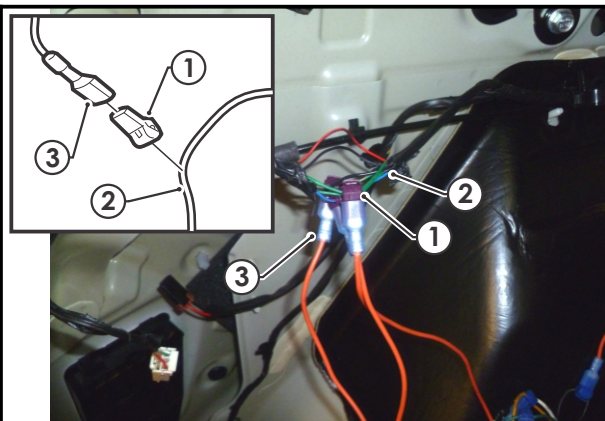
11. Route the trailer patch across to the LHS of the vehicle



12. Route the trailer patch (P/No: 100148-WL) across the rear of the vehicle towards the LHS of the vehicle and following the table below, connect the ezy-tap (1) to the corresponding vehicle harness wires (2), then connect the trailer patch terminals (3) to the ezy-tap (1).

Function	Trailer Patch	Vehicle Connector
L.IND	YELLOW	BLUE / RED
TAIL	BROWN	GREEN / ORANGE
BRAKES	RED	GREEN
REV	BLACK	BLUE

Note: There are two GREEN wires in the harness. Use a multi-meter to locate the correct Brakes signal



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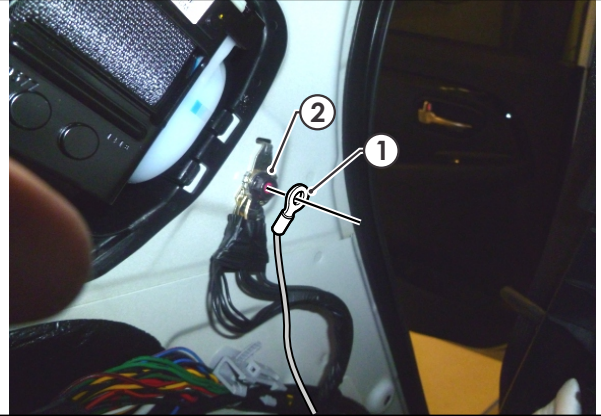
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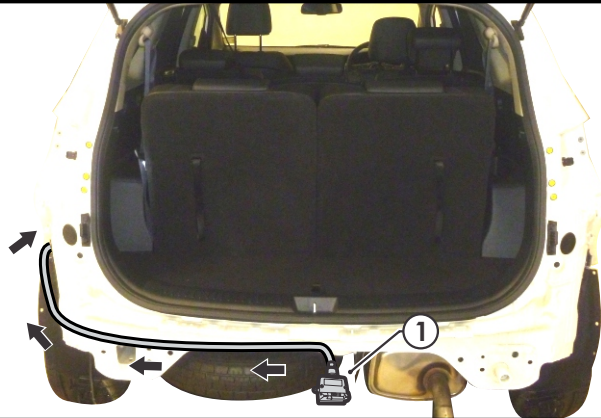
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13. Secure the trailer patch ground ring terminal (1) on the trailer patch to the vehicle grounding point (2) using the vehicle fastener located near the LHS seatbelt mechanism.



14. Secure the tail harness socket (1) to the towbar mounting bracket using M4 fasteners (not supplied). Route the tail harness (tail length: 1800mm) (1) across the rear of the vehicle and into the vehicle LHS grommet hole.

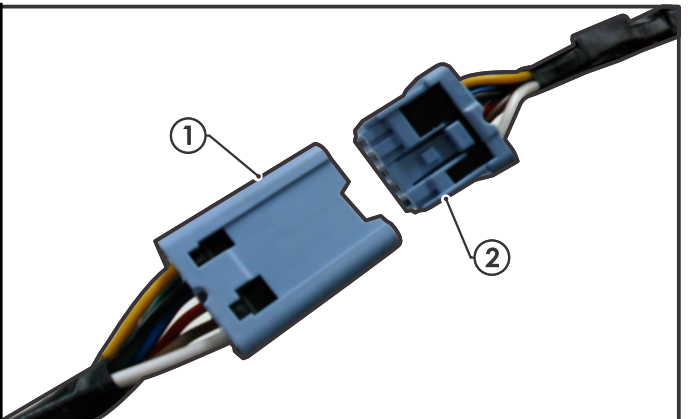
15. Adjust the tail harness grommet so that it is seated correctly. Secure harness grommet with a cable tie (not supplied).



16. Connect the Tail Harness (tail length 1800mm) 8-way connector (1) to the trailer harness mating 8-way connector (2).

17. Test the Trailer Harness function using a light board or multi-meter.

18. Secure all harnesses using cables ties (not supplied) and re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles. Place the instructions in the glove box after fitment.



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