

HAYMAN REESE
PART No: 03079W
NISSAN ALTIMA 11-13 ON

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

NISSAN ALTIMA 11-13 ON

Part Number 03079W

Max Towing Braked	1200 kg
Max Towing Unbraked	750 kg
Max Static Ball Load	120 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.

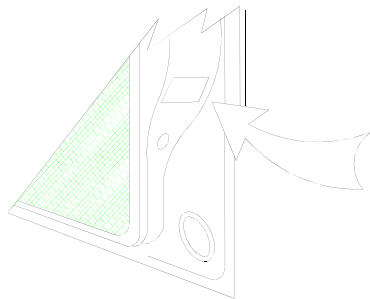
Tow bar Maintenance and Care.

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.

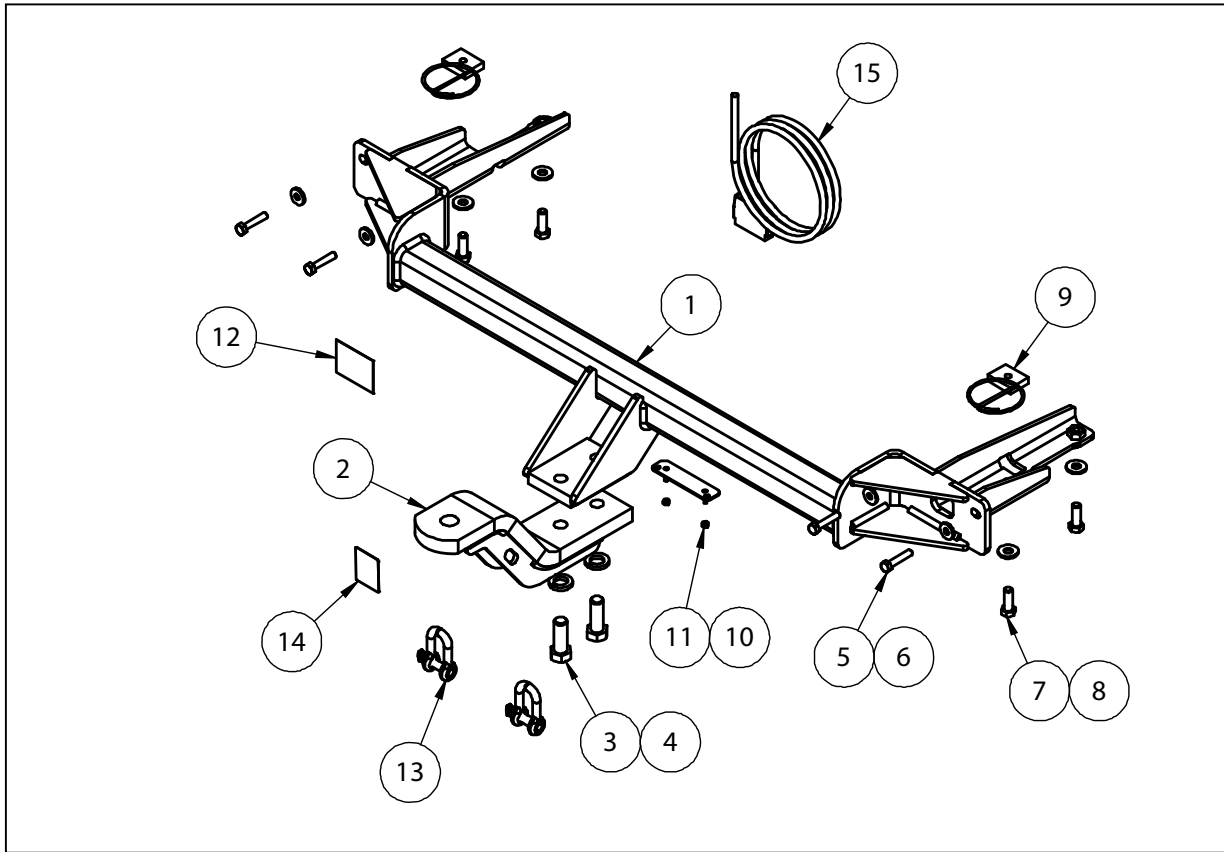
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QTY	DESCRIPTION	ITEM NO
1	WELDED ASSEMBLY	1
1	LUG ASSEMBLY	2
2	BOLT M16x45	3
2	SPRING WASHER M16x5x3.5	4
4	BOLT M8x40mm	5
4	FLAT WASHER M8x22x3.3mm	6
4	SET SCREW HEX HD M10x30x1.5P	7
4	WASHER FT M10x25.4x3	8
2	TAPPED PLATE WITH WIRE ASSY (M10x1.5P)	9
1	PLUG BRACKET	10
2	NUT NYLOC	11
1	ACRYLIC COMPLIANCE PLATE	12
2	D SHACKLES	13
1	H R STICKER	14
1	WIRING LOOM	15

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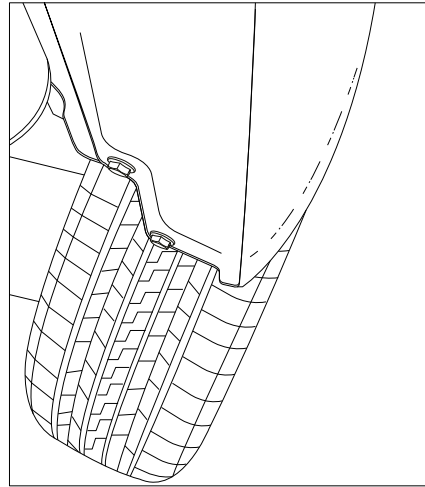
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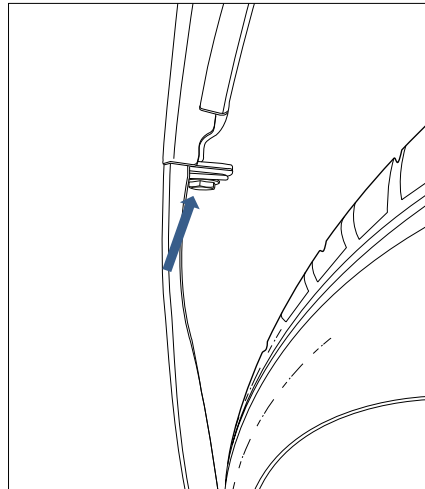
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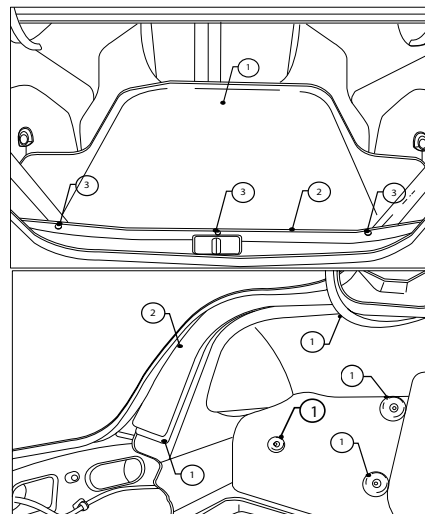
1. Remove 6 off push Rivets from underneath Bumper, located in the centre region and either side close to the rear tyres.



2. Remove the fastener securing Bumper to rear fender located in each wheel well.



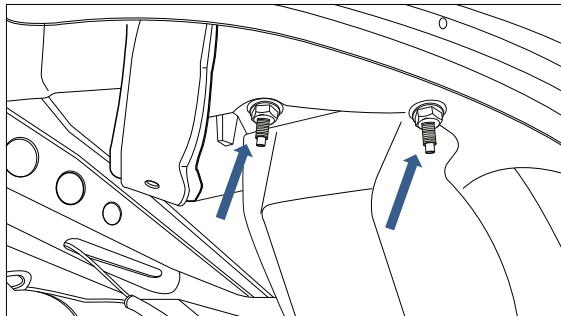
3. Remove luggage compartment trim by undoing the fasteners labelled in the diagram to the right.



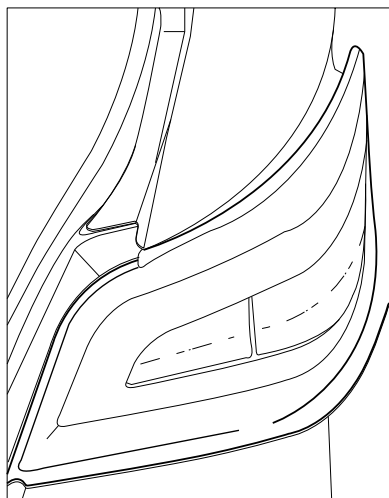
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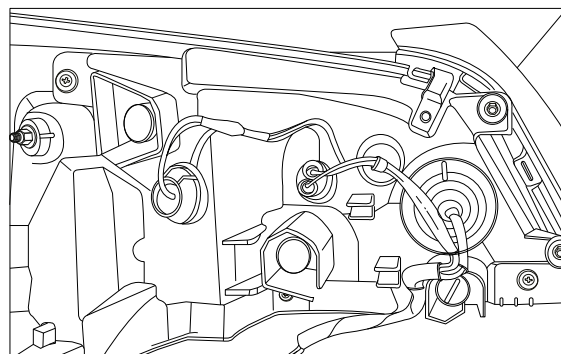
4. Remove the two flange Nuts securing each taillight. Flange Nuts are exposed when luggage compartment trim is removed.



5. Remove taillight.
Slide taillight out of position by applying pressure in a rearward motion.



6. Disconnect Electrical Connectors
Once taillight is dislodged, remove brake light and indicator bulbs and wire connection.



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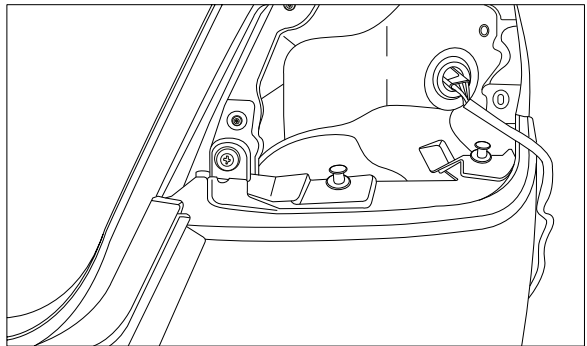
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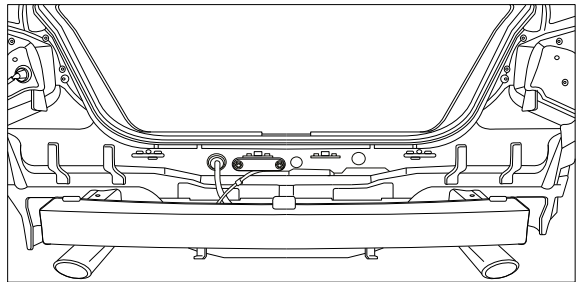
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7. Remove the Phillips screw and two Push Rivets exposed on the Bumper after the taillights have been removed.

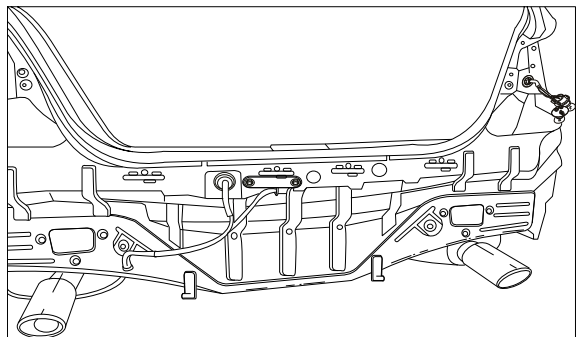


8. Remove rear Bumper.
Unclip Bumper from both sides and remove.

Rear parking sensor loom will need to be disconnected before bumper can be completely removed.



9. Remove and disregard Intrusion Beam, secured by three fasteners on each side.

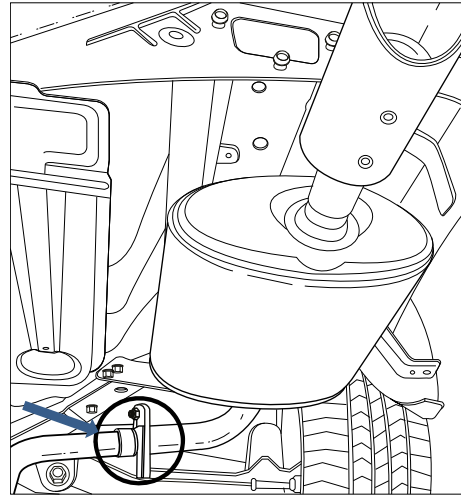


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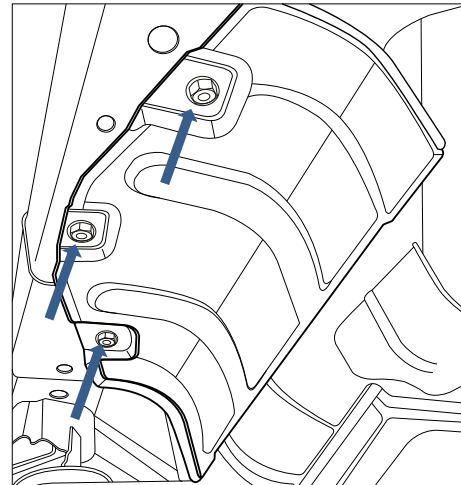
10. Remove Mufflers.

Remove mufflers by disconnecting at the flange shown in the diagram to the right.



11. Remove Heat Shield.

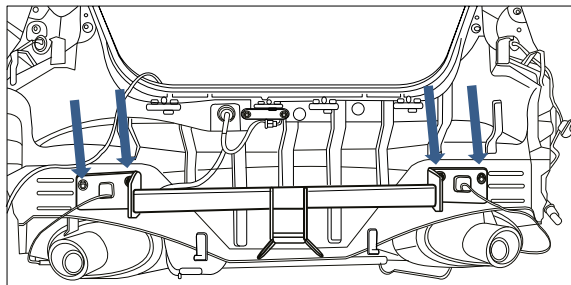
One located on each side, remove the three fasteners from each.



12. Fit Towbar

The cage nuts will need to be installed prior to mounting bar to the car. Place Nut into cage, then pinch the two prongs to allow the cage to slide into the prefiled slot.

Slide side arms into the chassis rail and loosely secure Towbar to the back panel of the vehicle using the four M8x40 fasteners supplied.



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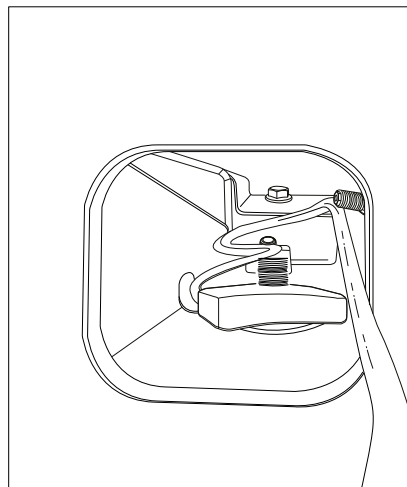
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13. Secure Towbar to vehicle chassis rails using the four M10 x 30 fasteners supplied.

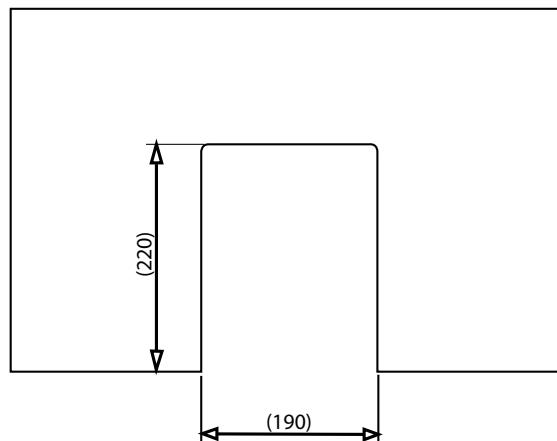
Use the tapped plate supplied to secure the rearward most chassis rail position. Run the M10x1.5 Set Screw or tap through the plate to ensure all foreign matter is removed.

Once fitted, torque all fasteners according to specifications on page two of this document.



14. Perform Bumper Cut. Locate centreline of Bumper. Cut 190mm width in total (95mm in either direction) and 220 mm in height from the bottom of the Bumper.

Repeat steps 1 to 11 (excluding 9) in reverse order to reassemble vehicle.



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NISSAN ALTIMA MY13

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Wiring Loom Installation Instructions

NISSAN ALTIMA MY13

Part No: 101065-WL

Tail Harness Length Required: 1800mm

Wiring Loom Installation Time: Approx. 20 minutes

Issue Date 26-02-14

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Part No: 101065-WL

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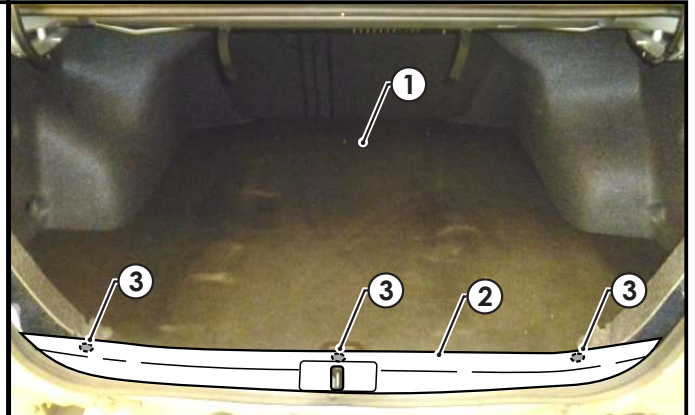


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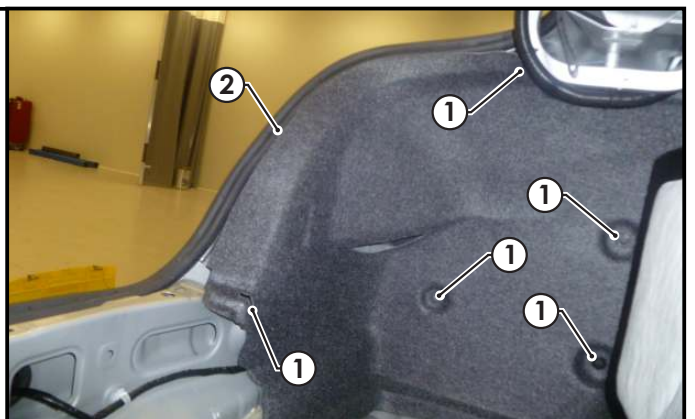
1. In the luggage compartment, remove the floor carpet cover (1).
2. Remove the rear compartment trim (2) by removing its three fasteners.



3. Remove the luggage compartment LHS and RHS tool tray trims (1).



4. On the LHS of the luggage compartment, remove the 5 fasteners (1) and then dislodge the LHS luggage compartment trim (2).
Repeat for RHS.



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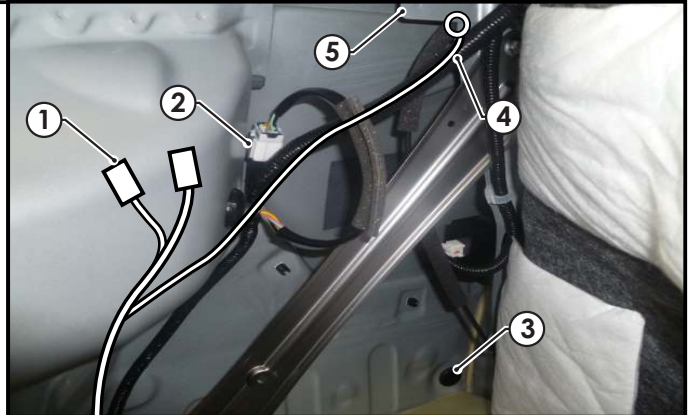


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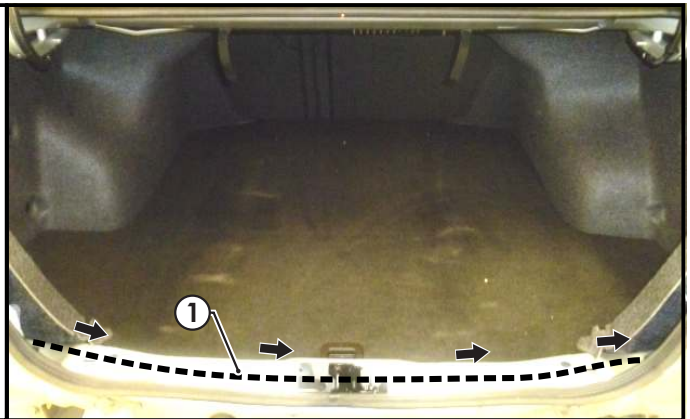
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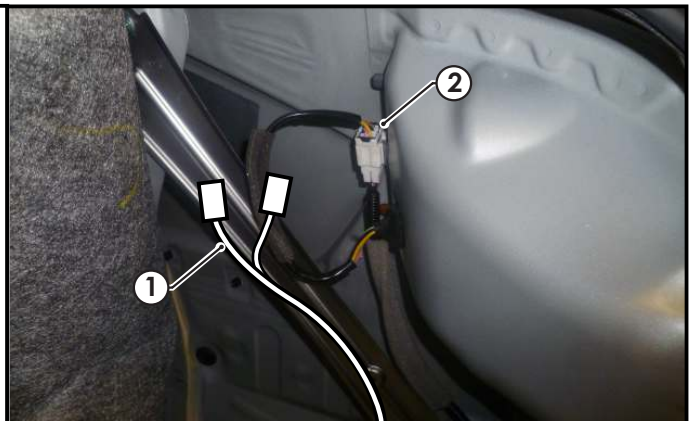
5. Connect the LHS trailer patch (P/No: 101065-WL) (1) in between the vehicle tail light connectors (2).
6. Remove the vehicle grommet (3).
7. Secure the trailer patch ground ring (4) to the vehicle grounding point (5).



8. Route the trailer patch (1) towards the RHS of the vehicle towards the tail light connector.



9. Connect the RHS trailer patch (1) in between the vehicle tail light connectors (2).



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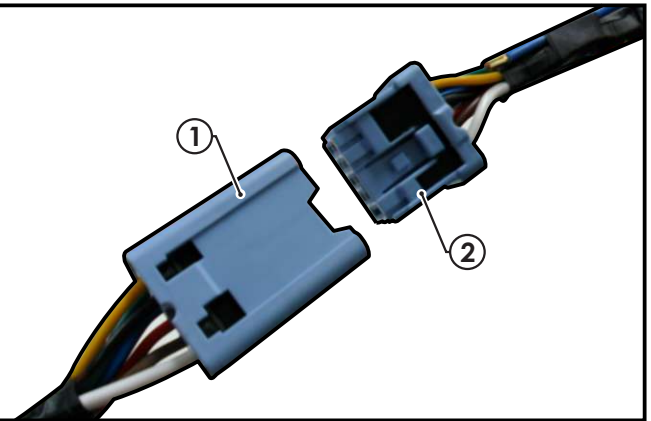
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10. Secure the tail harness (tail length 1800mm) trailer socket (1) using the supplied M4 fasteners.
11. Route the tail harness into the vehicle through the LHS previously revealed grommet hole. Adjust the grommet into position ensuring it is seated correctly and secure with a cable tie (not supplied).

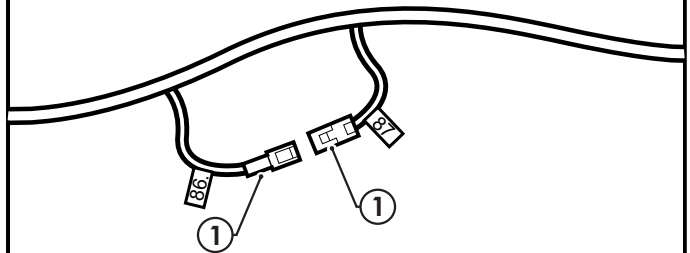


12. Inside the vehicle, connect the tail harness (tail length 1200mm) 8-way connector (1) to the trailer harness mating 8-way connector (2).



Note: Steps 13 to 17 only if used with reverse trailer lights.

13. If reverse is being used for **LED trailer lights**, connect the trailer patch 1-way connectors together (1) (located near the 8-way connector).
14. If reverse is being used for **incandescent lights**, go to the next step.



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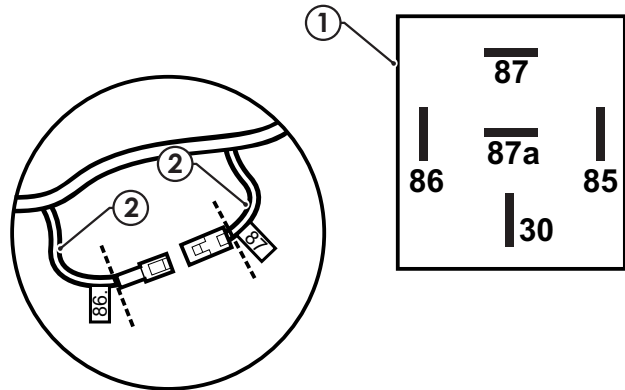
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15. This step only for vehicles requiring reverse and using **incandescent trailer lights**. A standard 4-pin or 5-pin automotive relay (not supplied) (1) is required for this function (for 5 pin relays, 87a is not used).
16. Chop off the two 1-way connectors and connect the cut trailer patch wires (2) to the relay positions as follows: Insert the wire labelled **86 to the relay 87** position. Insert the wire labelled **87 to the relay 86** position.
17. Connect the relay pin 30 to 12V (batt) source and relay pin 85 to ground source.



18. Test the trailer harness function using a light board or multimeter.
19. Secure all harnesses using cable ties (not supplied).
20. Re-fit all removed parts and secure all fasteners, ensure there are no squeaks or rattles.
21. Place instructions in glove box after fitment.

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