

HAYMAN REESE
PART No: 03211RW
SUBARU IMPREZA G5 HATCH CL4
INSTALLATION INSTRUCTIONS

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



Installation Time: Approx 85 Mins

Towbar Installation Instructions

Towbar capacity

SUBARU IMPREZA G5 HATCH CL4

Part Number 03211RW

Max Towing Braked 1200 kg

Max Towing Unbraked 650 kg

Max Static Ball Load 120 kg

Tail Harness Length Required: 1800 mm

Hayman Reese (Cequent)
PO Box 4050, Dandenong South VIC 3164
Phone 1800 812 017 Email info@haymanreese.com.au

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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 on board 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 TBM 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.

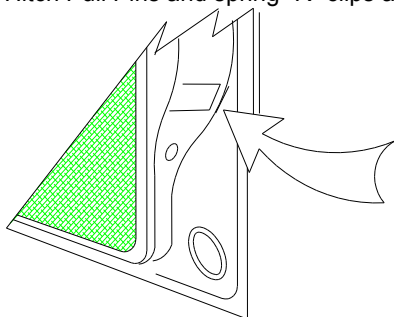
Tow bar Maintenance and Care.

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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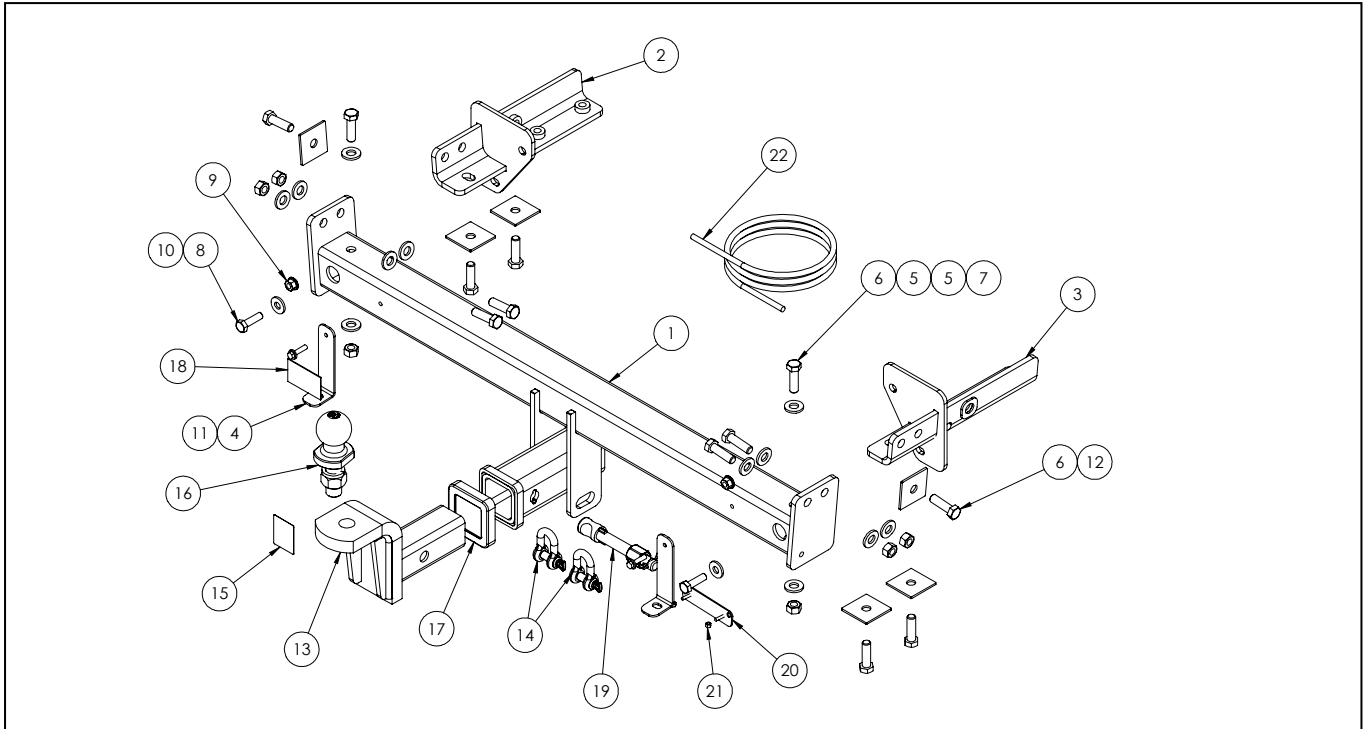
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ITEM	DESCRIPTION	QTY
1	WELDED ASSEMBLY	1
2	SIDE ARM LH	1
3	SIDE ARM RH	1
4	BUMPER TAB	2
5	WASHER PLAIN 1/2X1-1/8X16G	12
6	BOLT M12-1.25X40 GR 8.8 Z/P	12
7	NUT HEX HD M12 X 1.25P G8	6
8	SETSCREW HXHD M10X35X1.25G8.8	2
9	FLANGE NUT M10 X 1.25P	2
10	WASHER FT M10 X 25.4 X 3	2
11	TEK SCREW 14-20 HEX HD 22MM	2

ITEM	DESCRIPTION	QTY
12	LOOSE PLATE - COATED	6
13	TRAILER BALL MOUNT	1
14	10MM "D" SHACKLE	2
15	HAYMAN REESE LOGO STICKER	1
16	TOWBALL 50MM FL CHROME 3500KG HR	1
17	HITCH BOX COLLAR COVER	1
18	ACRYLIC COMPLIANCE PLATE	1
19	SMART PIN CLASS 4 ASSEMBLY GOLD	1
20	VE PLUG BRACKET	1
21	NUT NYLON LOCK HEX HD M4X0.7P G8	2
22	WIRING LOOM	1

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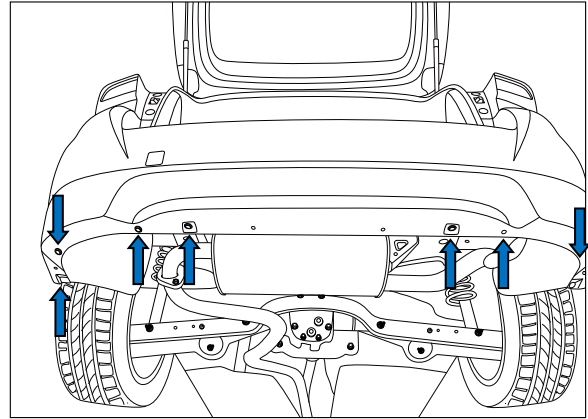
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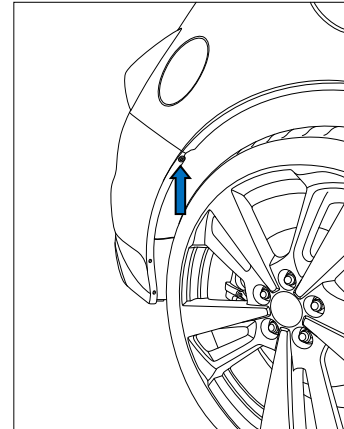
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1. Remove 8 x Scrivets from underside of bumper.

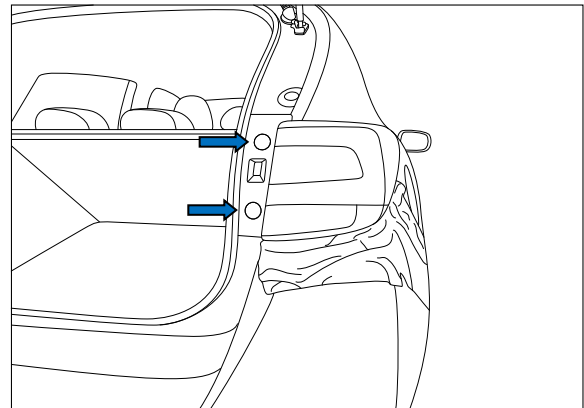


2. Remove 1 x Scrivet inside wheel arch.
Repeat for opposite side.



3. Pop out 2 x Plastic covers on tail lights and remove the exposed 2 x Hex Head Screws. Remove taillights by firmly pulling rearwards of vehicle and disconnect wiring from taillight. Set taillights safely aside.

Repeat for opposite side.



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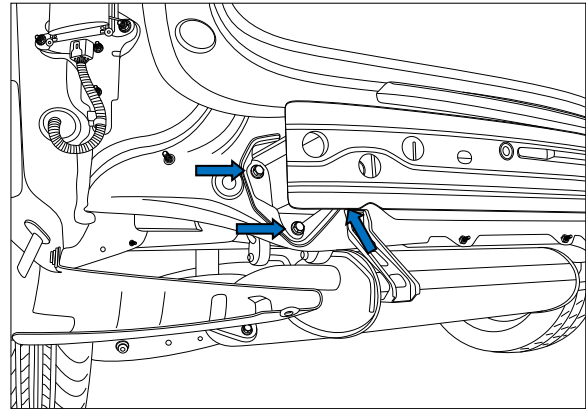
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4. Remove bumper by unclipping both corners near wheel arch. Carefully peel back from corners.

Once fully unclipped disconnect any wiring that may be connected and set bumper safely aside.

5. Remove impact beam via 6 x Hex Head bolts.

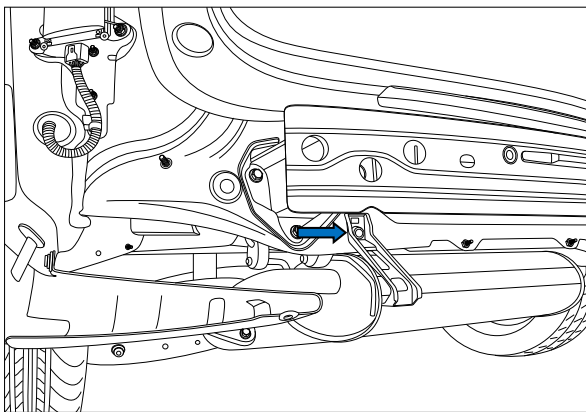
Discard impact beam.



6. Pop out 3 x Rubber hole covers in chassis rail.

Repeat for opposite side.

7. Remove bumper tabs on back panel via 2 x scrivenets.



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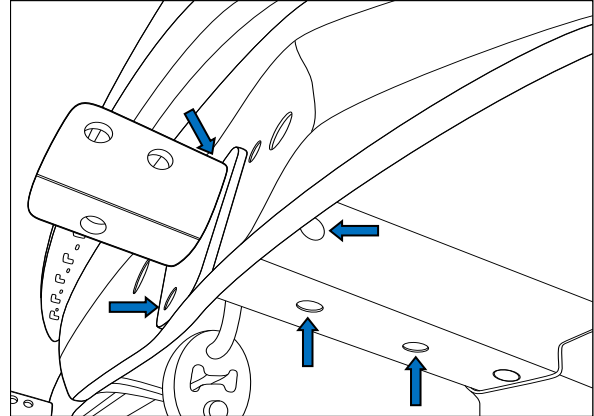
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8. Insert side arm into chassis rail and loosely secure with 3 x M12 Bolts on chassis rail complete with 1 x M12 Washer per Bolt.

Loosely secure side arms to rear panel via 1 x M10 Bolt and 1 x M10 Flange Nut complete with 1 x M10 Washer per Bolt/Nut.

Repeat for opposite side.



9. Secure cross beam to side arms via 3 x M12 Bolts complete with 2 x M12 Washer and 1 x M12 Nut per Bolt.

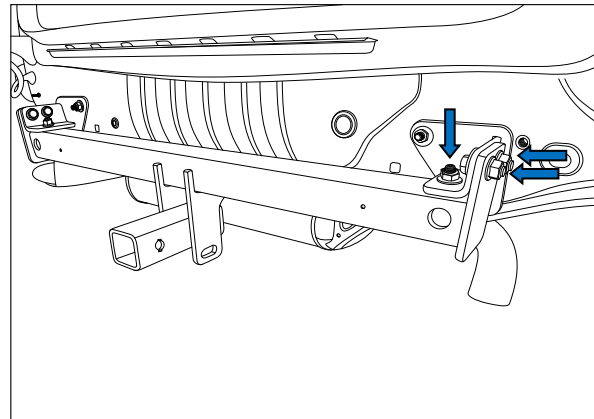
Repeat for opposite side.

Tighten all fasteners to the torques listed below:

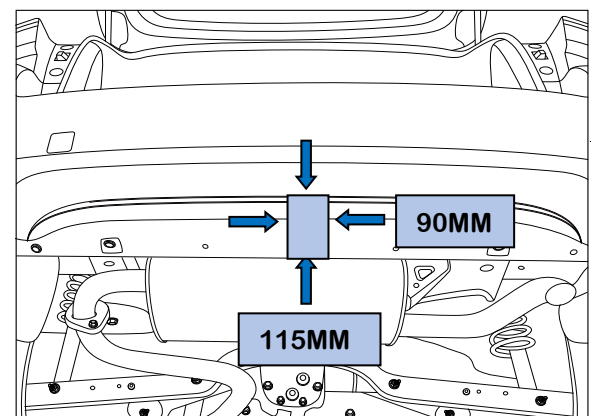
M12- 89N.m

M10- 48N.m

10. Attached bumper tabs facing tow bar via 2 x tek screws and tighten.



11. Identify the centre of the bumper and cut out a 115mm tall x 90mm wide rectangle, starting from the bottom edge of the bumper, and following the outer edge of the bumper.



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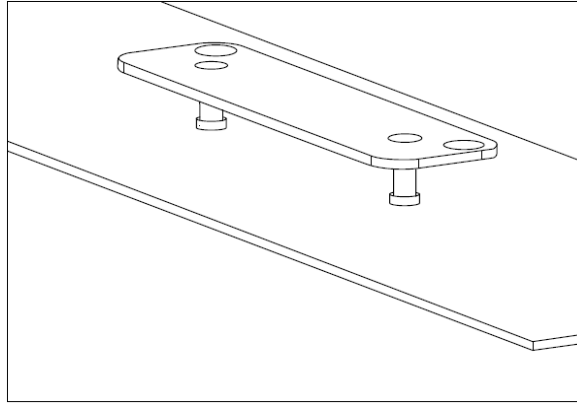
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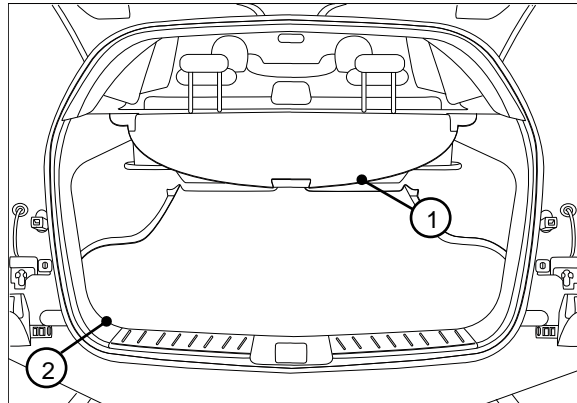
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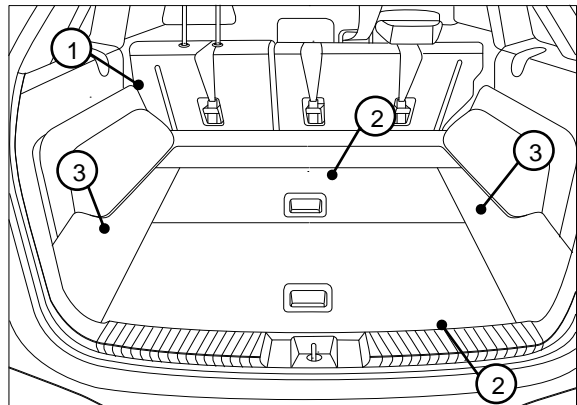
12. Mark out and drill 2 x Ø5mm holes 69mm apart on bumper skin to support plug bracket. Feed bracket through drilled holes prior to reinstalling bumper.



13. Gain access to the rear of the vehicle, remove the sun shade (1).
14. Remove the luggage compartment floor mat (2).



15. Fold down the rear seats (1).
16. Remove the two middle luggage compartment floor trims (2).
17. Remove the two side luggage compartment floor trims (3).



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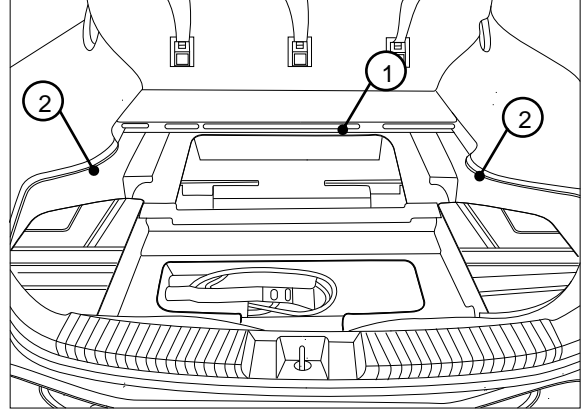
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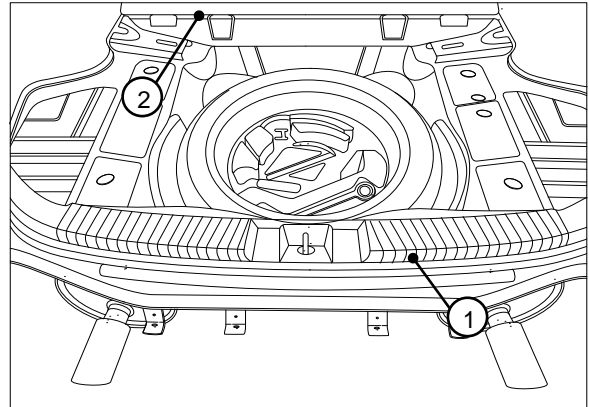
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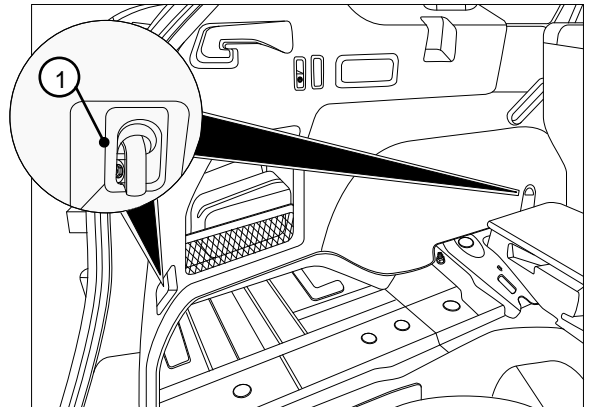
18. Remove the middle tool tray (1).
19. Remove the two side tool trays (2).



20. Remove the luggage compartment rear trim (1).
21. Remove the luggage compartment inner middle trim (2).



22. Remove the two luggage hooks (1) on the LHS trim.



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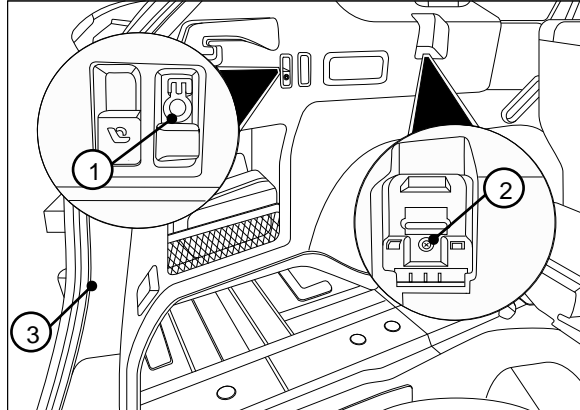
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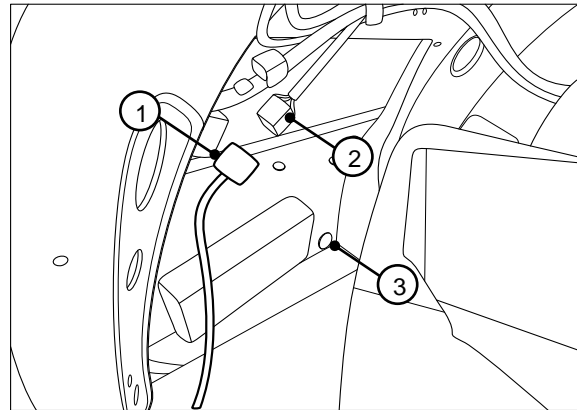
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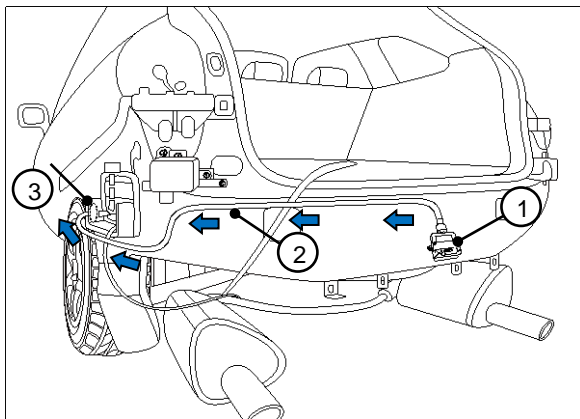
- 23. Remove the screw from behind the plastic luggage hook (1).
- 24. Remove the screw from behind the sunshade trim (2).
- 25. Dislodge the LHS trim (3).



- 26. Connect the trailer patch (P/No: 101543-WL) 10-way connector (1) to the 10-way vehicle breakout connector (2).
- 27. Remove the vehicle grommet (3).



- 28. At the rear exterior of the vehicle, mount the tail harness socket (1) to the tow bar mounting bracket using M4 fasteners (not supplied).
- 29. Route the tail harness (04944 7pin tail length:1800mm) (2) across the LHS and up into the previously removed grommet (3). Adjust the trailer patch harness grommet so that it is seated correctly and cable tie (not supplied) in place.
Keep harness routing clear of all sharp edges, moving parts and places of extreme heat.



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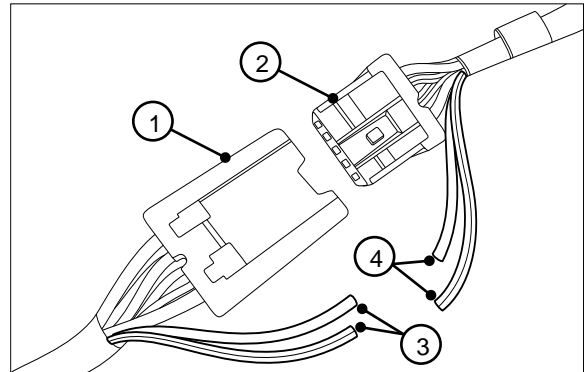


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30. Connect the tail harness 8-way connector (1) to the trailer patch 8-way mating connector (2).
31. To enable ISS cut-off, crimp the tail harness GREY and GREY/BLACK wires (3) to the trailer patch matching GREY and GREY/BLACK wires (4).



32. Test the trailer patch function using a light board or multi-meter.
33. Secure all harnesses using cable ties (not supplied).
34. Refit removed parts and secure all fasteners , ensuring there are no squeaks or rattles.
35. Align holes below bumper with bumper tabs on towbar. Fix bumper to tabs via 2 X Scrivets.
36. Place the instructions in the glove box after fitment.

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