

HAYMAN REESE

PART No: 03072RW

Land Rover Range Rover Sport L494 Series

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 120 Mins

Towbar Installation Instructions

Towbar capacity

Land Rover Range Rover Sport L494 Series

Part Number 03072RW	Max Towing Braked	3500 kg
	Max Towing Unbraked	750 kg
	Max Static Ball Load	350 kg

Hayman Reese (Cequent)
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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 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 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.
11. Pull Pin must be fit in down position.

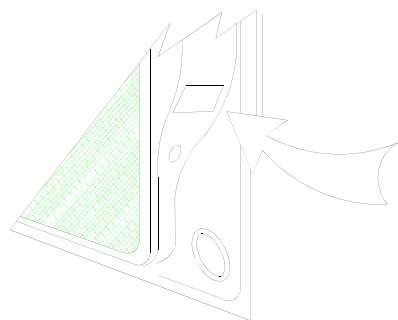
Tow bar Maintenance and Care.

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

Diameter Grade 10.9 Bolt

M10	62 Nm
M12	109 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.

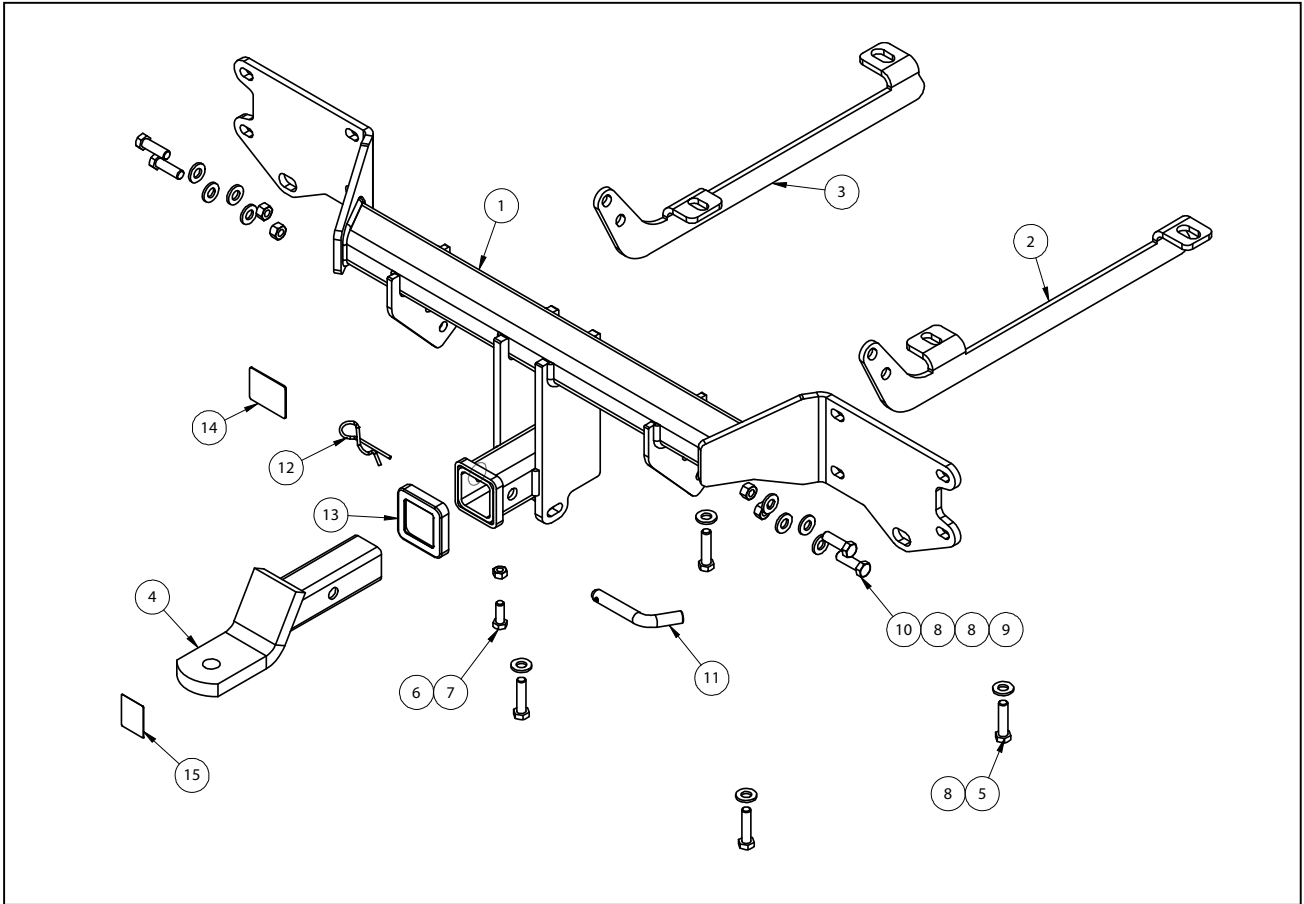
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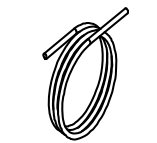
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QTY	DESCRIPTION	ITEM NO
1	WELDED ASSEMBLY	1
1	BRACE LHS	2
1	BRACE LHS	3
1	CLASS 4 TBM ASSY	4
4	BOLT HEX M12X50X1.75P	5
1	HEX NUT M10X1.5	6
1	SET SCREW HEX HD M10X30X1.5P	7
12	WASHER FLAT 1/2"X1 1/8"X1/8"	8
4	HEX NUT M12X1.75 PC8	9
4	SET SCREW M12X40X1.75P G8.8	10
1	PULL PIN	11
1	SPRING COTTER PIN ASSY	12
1	HITCH BOX COLLAR COVER	13
1	ACRYLIC COMPLIANCE PLATE	14
1	H.R STICKER	15

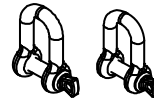
ADDITIONAL ITEMS



WIRING LOOM



FITTING INSTRUCTION



D SHACKLES



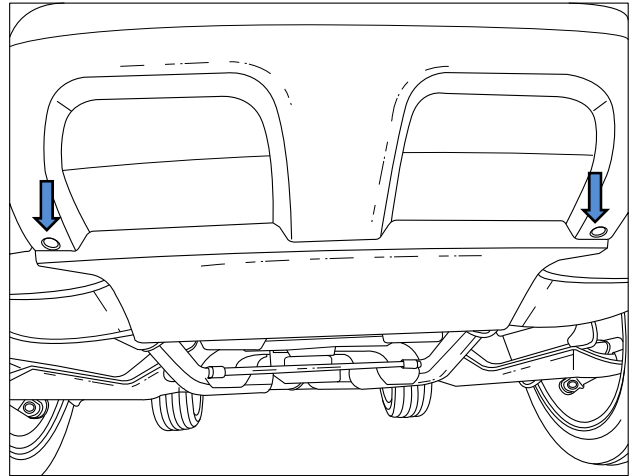
LR LABEL

INSTALLATION INSTRUCTIONS

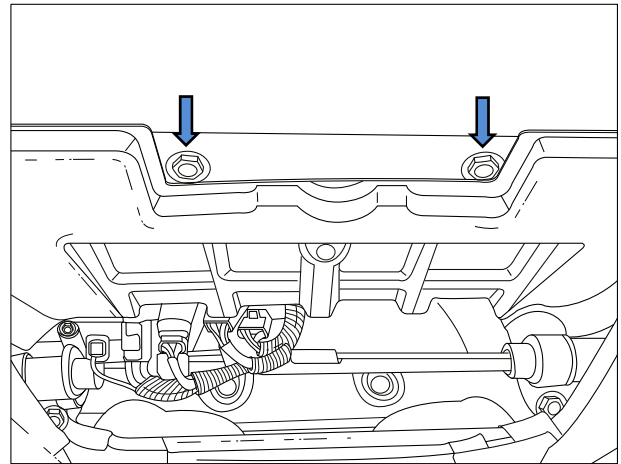
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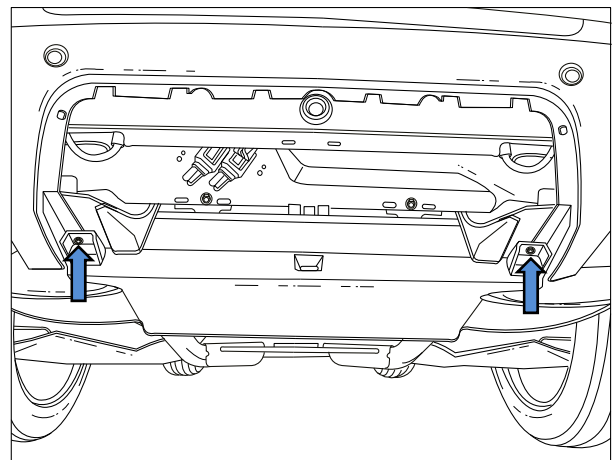
1. Remove 2x trim Clips on the bottom side of centre fascia on Rear Bumper. Remove and keep aside.



2. Remove 2x Set Screws securing secondary fascia.



3. Remove 2x Screws where the secondary fascia meets Bumper. Remove secondary fascia and keep aside.

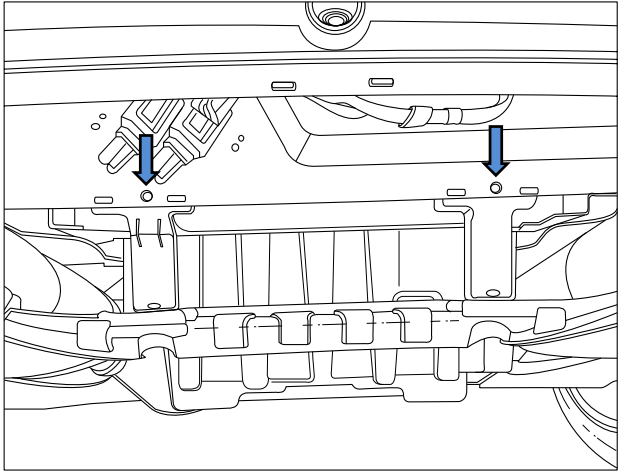


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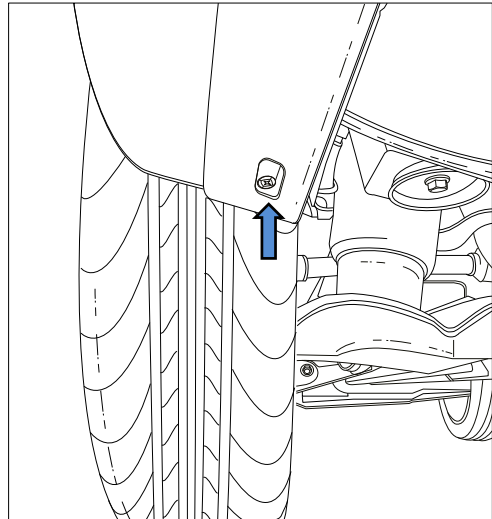
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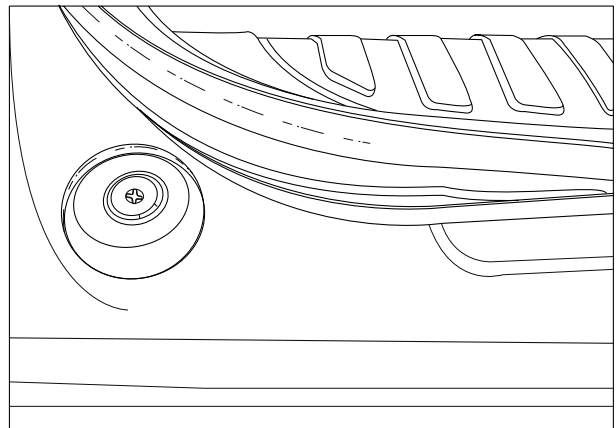
4. Remove 2x Screws that secure bottom edge of bumper to chassis. Dislodge locating brackets off the chassis.



5. On bottom side of the bumper remove 2x Screw on both the passenger and driver side.



6. Release tailgate to expose boot space. Remove 2x Screw trim clips. Repeat for Driver and Passenger side.

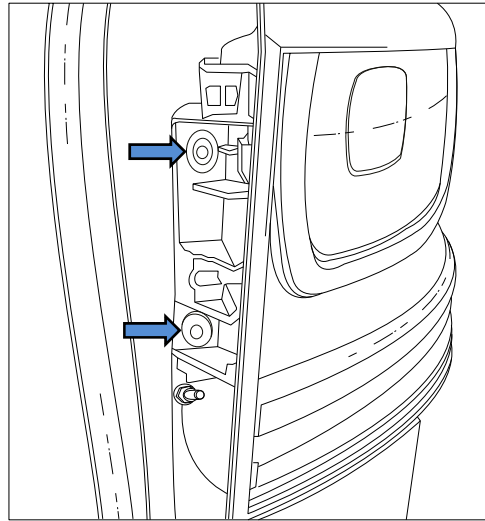


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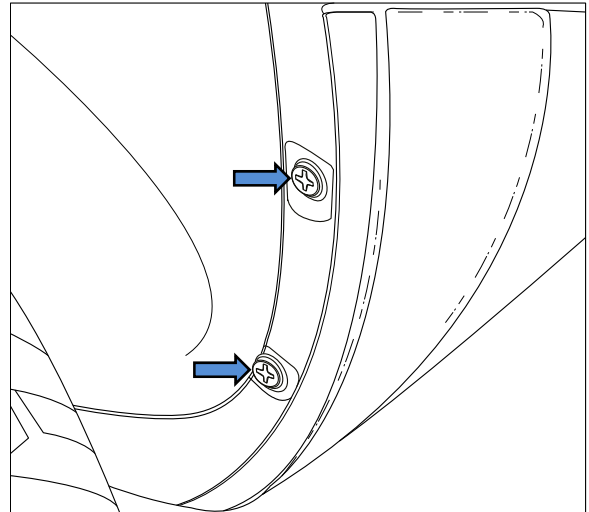
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7. Remove plastic covers between boot lid seal and tail lights. Remove 2x Torx screws and carefully remove taillights and disconnect loom.

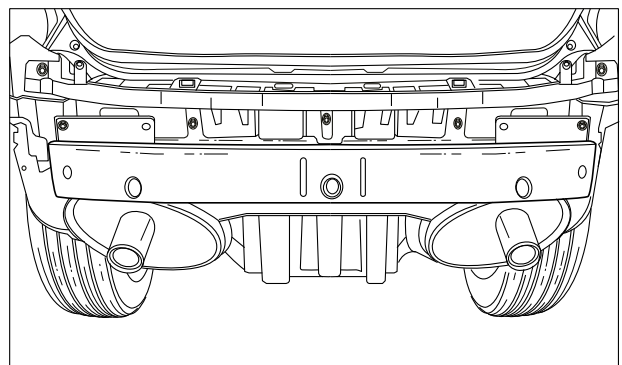


8. On the inside of the guard liner remove trim clips and retaining Screws.



9. Carefully remove the Bumper. Start by peeling away at the edge and pull away at the rear quarter.

With the Bumper off remove factory impact beam and discard. Retain mounting Set Screws for later use.

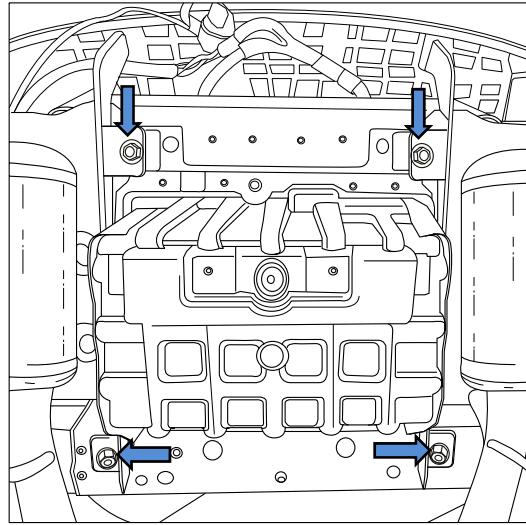


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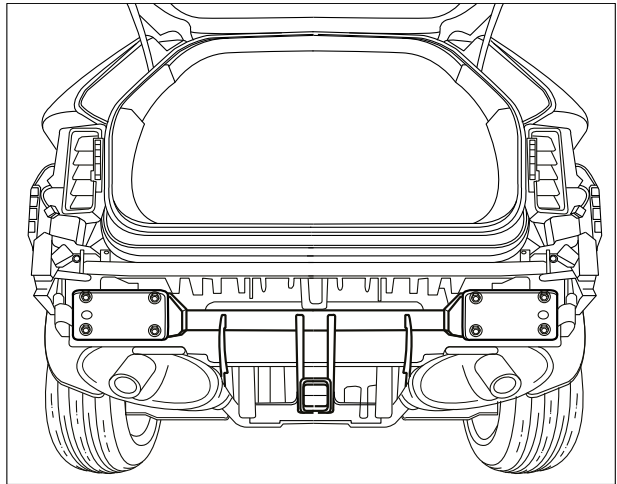
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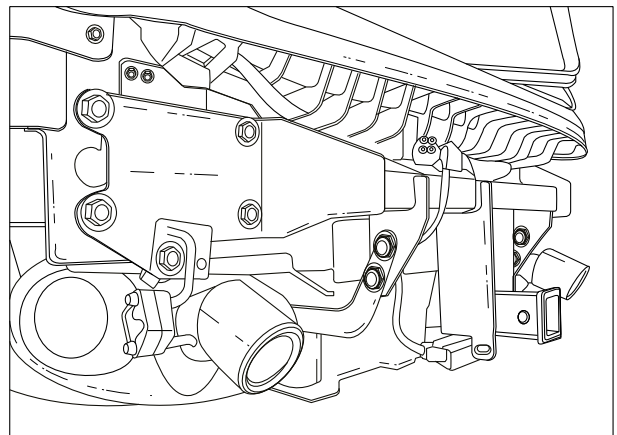
10. On the underside of the vehicle, loosely fit the support plates on the mounting points located around the control module between the exhausts. Use the M12x50x1.75P bolts and flat washers supplied.



11. Loosely mount centre section of the Towbar onto the back panel of the vehicle. Re-use the factory mounting hardware used to secure the impact beam.



12. Secure support plates to the main section of the Towbar. Using supplied M12x40x1.75P set screws. Then torque all bolts up as per torque specifications listed on page 2.

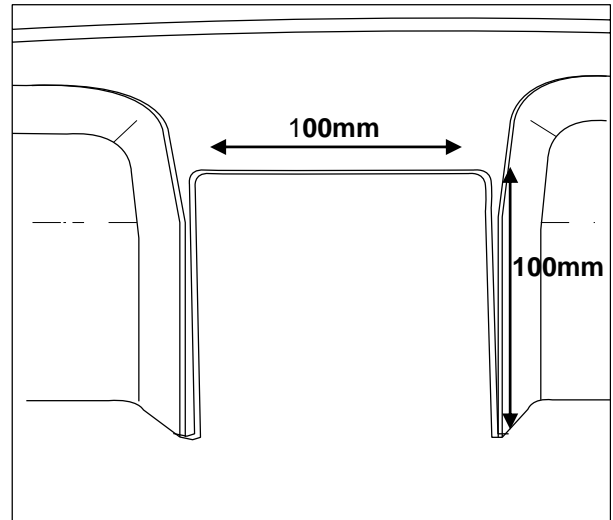


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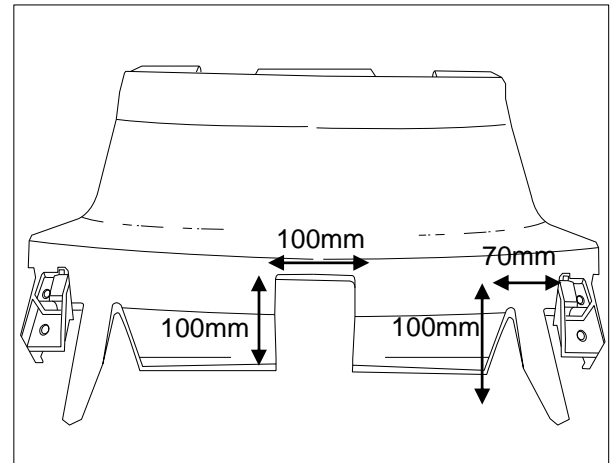
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13. On the centre fascia carefully cut approximately 100mm wide from the centre and 140mm from the bottom.

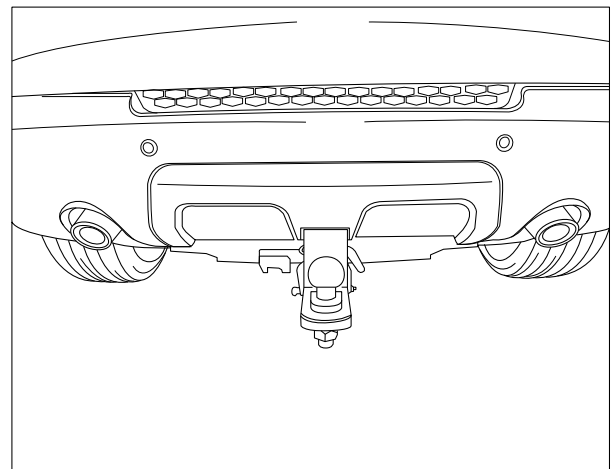


14. On the bottom fascia carefully cut 100mm from the centre and 100mm from the bottom.

On the corners, cut approximately 70mm down and 100mm forward to allow clearance of the towbar.



15. Re-assemble bumper by completing steps 1-9 in reverse.



HAYMAN REESE
PART No: 100765-WL
LAND ROVER EVOQUE, RANGE ROVER SPORTS

INSTALLATION INSTRUCTIONS

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Wiring Loom Installation Instructions

LAND ROVER EVOQUE (Pages 2 - 3)
RANGE ROVER SPORTS (Pages 4 - 5)

Part No: 100765-WL

EVOQUE Tail Harness Length Required: 1200mm
RANGE ROVER SPORTS Tail Harness Length Required: 400mm
RPA will disable when trailer connected
(applicable for non-LED trailers only).

Wiring Loom Installation Time: Approx. 20 minutes

Issue Date 21-05-14

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Part No: 100765-WL

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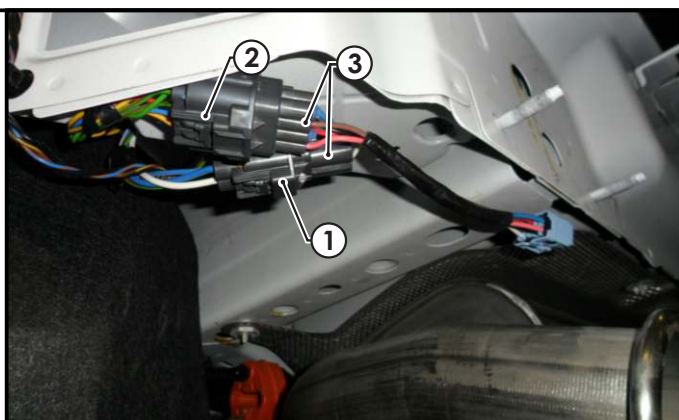
- On the LHS of the rear of the vehicle, locate the 4-way (1) and the 8-way (2) break out connectors.



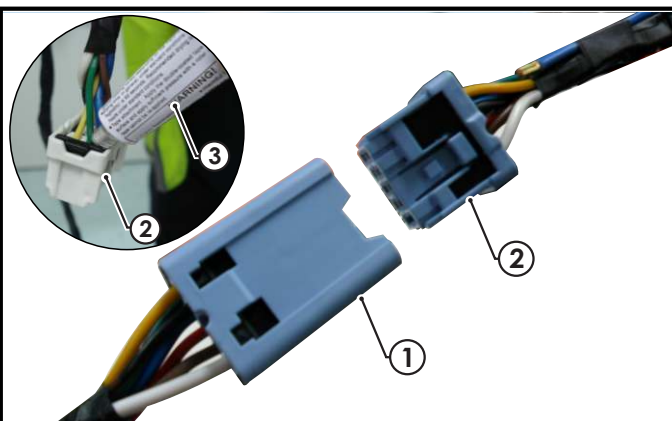
- Disconnect the 4-way (1) and the 8-way (2) blanking plug connector.
- Insert terminals into the 8-way and 4-way blanking connector in the following configuration (refer to connectors for pin locations):

8-way connector			
PIN	COLOUR	PIN	COLOUR
1	-	6	BLACK
2	BROWN	7	RED
3	-	8	-
4	YELLOW		
5	GREEN		

4-way connector	
PIN	COLOUR
1	-
2	WHITE
3	-
4	-



- Connect the trailer patch harness (1) to the tail harness (tail length 1200mm) (2).
- Using electrical grease or silicone (3), water proof the back of the tail harness and trailer patch harness connectors (1)(2).



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6. Mount the tail harness socket (1) to the tow bar mounting bracket using M4 fasteners (not supplied).
7. Secure the tail harness (2) to the tow bar using cable ties (not supplied).



8. Test the Trailer Harness function using a Light Board or multimeter.
9. Secure all Harnesses using cables ties (not supplied).
10. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.
11. Place instructions in glove box after fitment.

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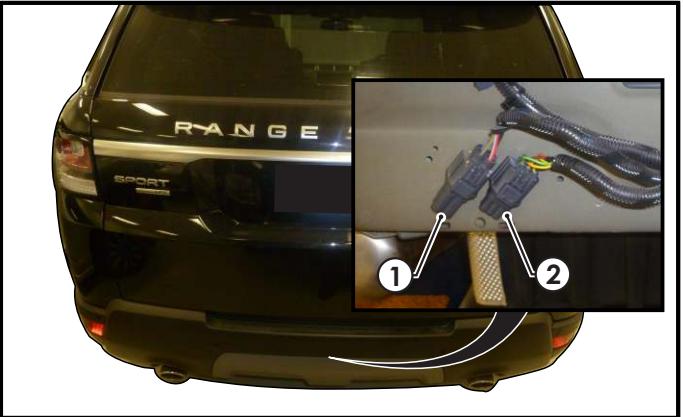
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LAND ROVER EVOQUE, RANGE ROVER SPORTS

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1. On the centre rear of the vehicle, locate the 4-way (1) and the 6-way (2) break out connectors.



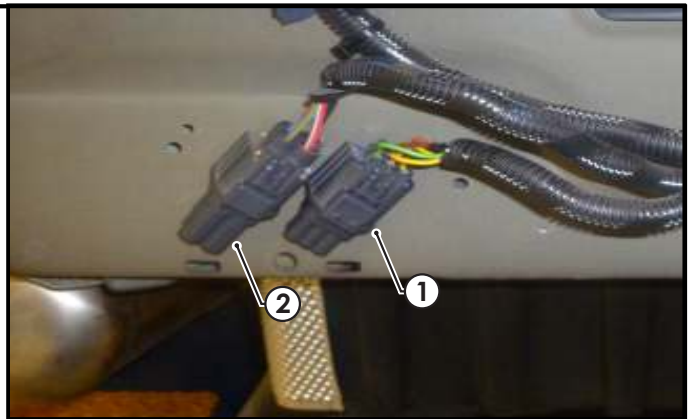
2. Disconnect the 4-way (1) and the 6-way (2) blanking plug connector.
3. Insert terminals into the 6-way and 4-way blanking connector in the following configuration (refer to connectors for pin locations):

6-way connector

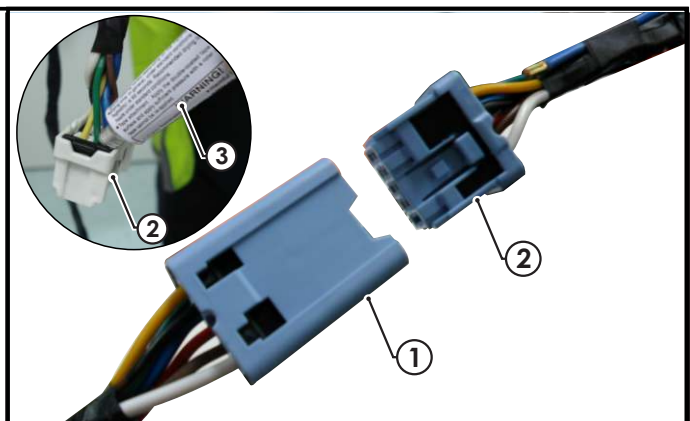
PIN	COLOUR
1	YELLOW
2	-
3	GREEN
4	RED
5	BLACK
6	BROWN

4-way connector

PIN	COLOUR
1	-
2	-
3	WHITE
4	-



4. Connect the trailer patch harness (1) to the tail harness (tail length 400mm) (2).
5. Using electrical grease or silicone (3), water proof the back of the tail harness and trailer patch harness connectors (1)(2).



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6. Mount the tail harness socket (1) to the tow bar mounting bracket using M4 fasteners (not supplied).
7. Secure the tail harness (2) to the tow bar using cable ties (not supplied).



8. Test the Trailer Harness function using a Light Board or multimeter.
9. Secure all Harnesses using cables ties (not supplied).
10. Re-fit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.
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