

HAYMAN REESE
PART No: RL2657W
AUDI A3 2009 ON
TO SUIT DIESEL AND PETROL VERSIONS
INSTALLATION INSTRUCTIONS

PLEASE ENSURE THAT INSTRUCTIONS ARE UNDERSTOOD PRIOR TO FITMENT



Installation Time: Approx 60 Mins

Towbar Installation Instructions Towbar capacity
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Part Number RL2657W

Max Towing Braked 1500kg
Max Static Ball Load 150kg

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.
1. **General:** 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.

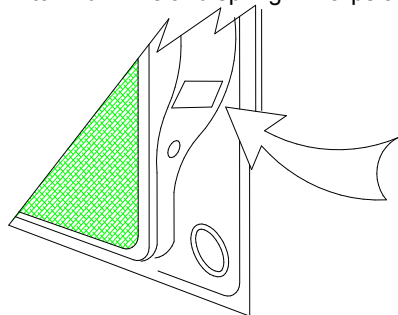
Tow bar Maintenance and Care.

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

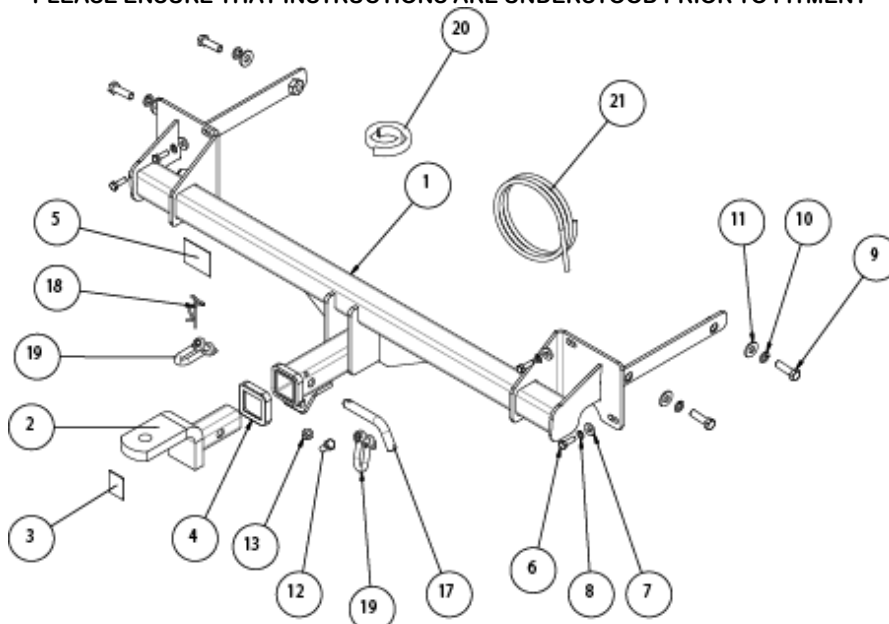
M6	9.5 Nm
M8	21.7 Nm
M10	43.4 Nm
M12	77.3 Nm
M14	146 Nm
M16	189.8 Nm

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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Items 14, 15 and 16 are not shown in the layout diagram

Figure 1 – Layout Diagram

ITEM NO.	DESCRIPTION	QTY.
1	WELDED ASSEMBLY A3 AUDI	1
2	TRAILER BALL MOUNT	1
3	HAYMAN REESE LOGO STICKER	1
4	RL H/BOX C/COVER BLANK	1
5	ACRYLIC CP	1
6	Bolt M8 x 25 Gr 8.8	4
7	M8 x 22 x 3.3mm FLAT WASHER	4
8	WSHR SPRING FT SEC M8x3.0x2.0mm z/p	4
9	BOLT M12-1.75x40 GR8.8	4
10	M12 X 4.0 X 2.5 SPRING WASHER	4
11	WASHER M12x28.8x3mm	4
12	BOLT M10-1.50 x 25	1
13	NUT HX M10 - 1.5 Z/P	1
14	FITTING INSTRUCTIONS	1
15	Warranty Card	1
16	LOAD RATING LABEL	1
17	PULL PIN	1
18	SPRING COTTER PIN	1
19	D' SHACKLE	2
20	BUMPER TRIM PINCH WELD 400mm	1
21	WIRING LOOM	1

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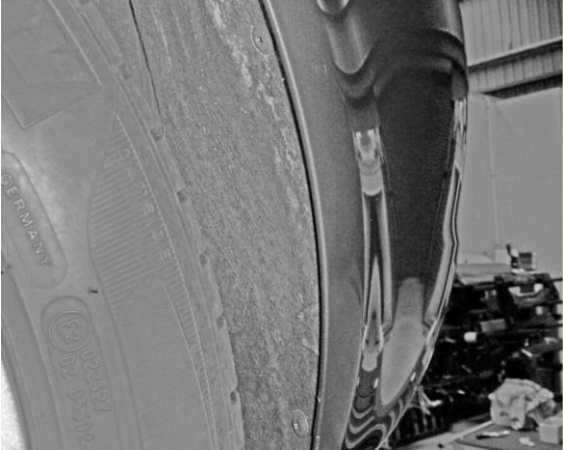
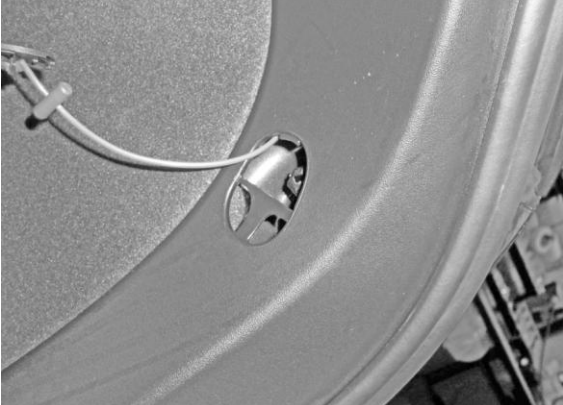
	<p>Note: Position the vehicle to a safe working height.</p> <ol style="list-style-type: none">1. Remove screws x 2 from underneath the bumper. <p>Note – Petrol version has 2 screws, but Diesel version has 3 screws.</p>
	<ol style="list-style-type: none">2. Remove the screws x 4, from the wheel arch, as shown in Figure 3. <p>Note – Repeat the step for passenger side.</p>
	<ol style="list-style-type: none">3. From inside the boot, remove the cap and the nut inside, to remove the light, as shown in Figure 4. <p>Note – Repeat the step for passenger side.</p>

Figure 2 – Remove screws from wheel arch.

Figure 3 – Remove nut to remove light.

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Figure 4 – Remove screws.

4. Remove screws x 2 from inside the light. Refer to Figure 4.

Note – Repeat the step for passenger side.



Figure 5 – Remove bumper nut from inside boot.

5. From inside the boot, using a long extension, remove the nut inside, as shown in Figure 5.

Note – Repeat the step for passenger side.

6. Flex the bumper out and remove any electrical connections (if applicable).
7. Remove the impact beam and store it.

Note – If the towbar has to be removed, the impact beam should be fitted back on.

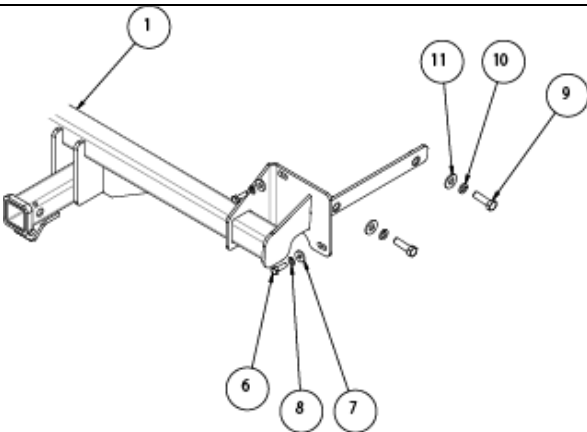


Figure 6 – Locate the towbar.

8. Locate the towbar into the chassis rail and fasten using the fasteners, on both driver and passenger side, as shown in Figure 6.
9. Torque the bolts to the torque requirements, as shown on page 2.

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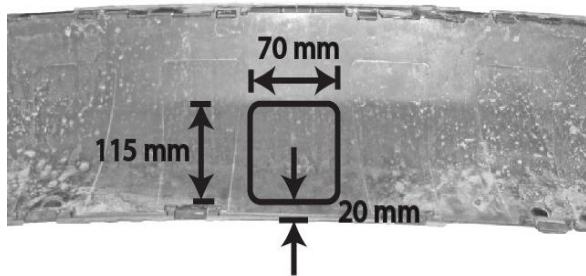


Figure 7 – Bumper Cut Illustration.

10. Detach the skirt from the bumper and make a cut, as shown in the illustration in Figure 7. Find the centreline, measure 20mm from the bottom edge, cut 115mm, making a 70mm wide cut along the centreline.
11. Fit the bumper trim (item 20) on the portion of the bumper being cut.
12. Refit the bumper and rear lights in the reverse order.
13. Affix the load rating label, as shown on page 2.

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Wiring Loom Installation Instructions

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ECU: 04831

Tail Harness Length Required: 1200mm
RPA Override Switch Part No: 04848 (If Fitted)

Wiring Loom Installation Time: Approx 50 Mins

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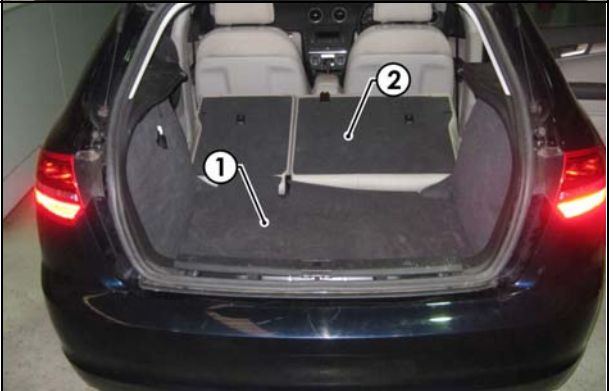
1. Remove the rear bumper.



2. In the luggage compartment remove the parcel shelf (1).



3. Remove the floor carpet cover (1) and fold the rear seats (2) down flat.



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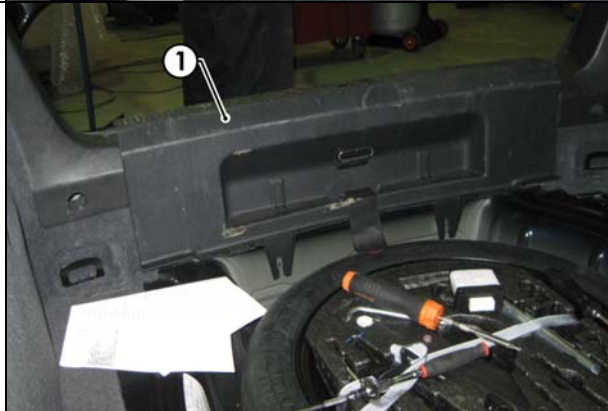
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4. Remove the fastener (1).
5. Dislodge the RHS trim (2) near the seat belt.
6. Repeat steps for LHS.



7. Remove the rear trim (1).



8. Remove the RHS side trim (1) by first removing the fastener (2)



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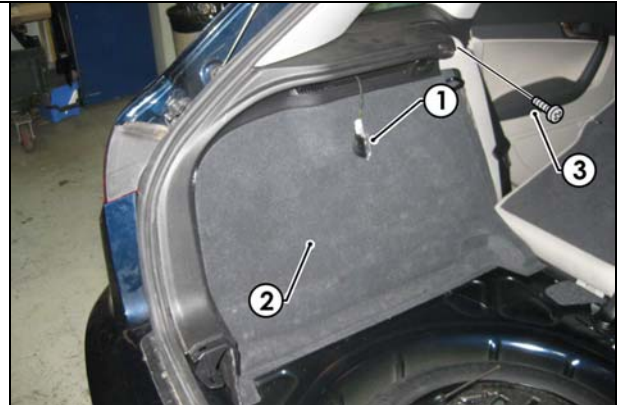


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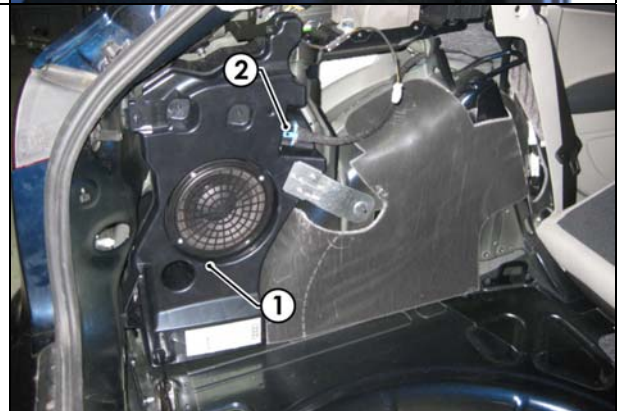
9. Dislodge and disconnect the LHS light (1).
10. Remove the LHS side trim (2) by removing the fastener (3).



11. Remove the RHS rear upper trim (1).
12. Remove the LHS rear upper trim.



13. If the vehicle is fitted with a factory subwoofer (1) remove by first removing all the fasteners.
14. Disconnect the subwoofer connector (2).



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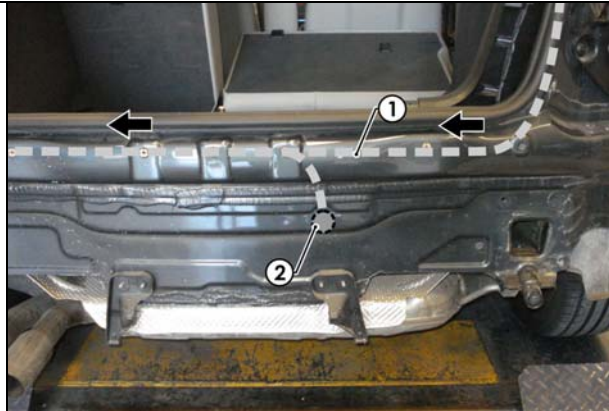


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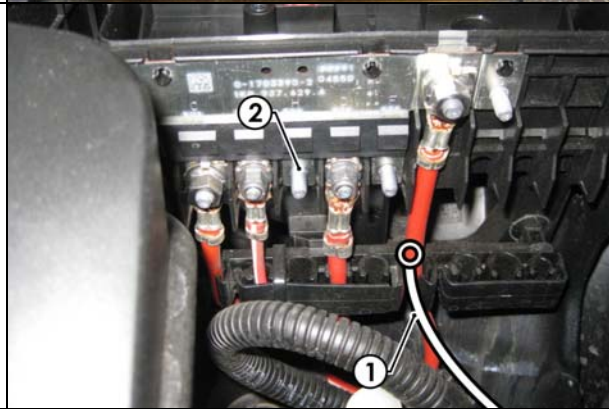
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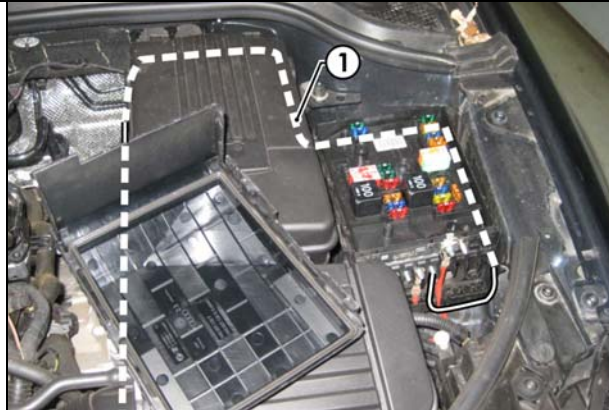
15. Route the trailer harness (P/No 100249-WL) (1) from the RHS of the vehicle along the rear of the luggage compartment towards the LHS of the vehicle.
16. Drill a Ø31mm hole in the highlighted area (2). File down and rough or sharp edges and spray with rust inhibitor.



17. In the engine bay attach the trailer harness power wire (04825) (1) to the unused terminal (2) using an M5 nut (not supplied).



18. Route the trailer harness power wire (04825) (1) behind the fuse boxes towards the firewall.



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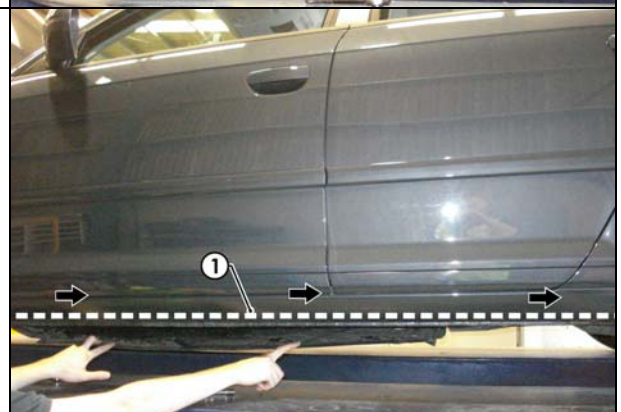
19. Route the trailer harness power wire (04825) (1) down through the engine bay towards the chassis.
20. Route the trailer harness power wire (04825) (1) along the LHS of the vehicle towards the rear of the vehicle.



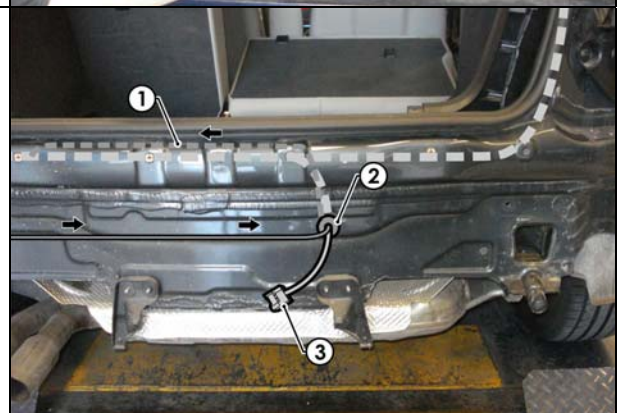
Important
Keep harness power wire clear of any heat sources or moving parts.



21. Route the trailer harness power wire (04825) (1) under the vehicle shroud along the LHS vehicle chassis towards the rear of the vehicle.



22. Route the trailer harness power wire (1) across the rear of the vehicle.
23. Route the tail harness (tail length 1200mm) (3) through the previously drilled out hole.
24. Route the trailer harness power wire (1) from outside the vehicle through the trailer harness grommet (2) inside the luggage compartment.



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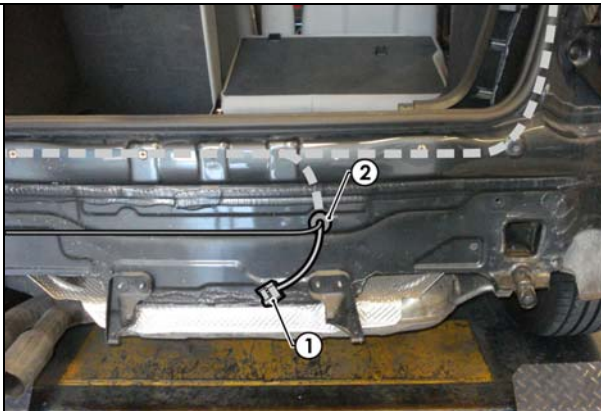


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25. Adjust the tail harness grommet (2) into place ensuring it is seated correctly. Secure the tail harness grommet in place with a cable tie (not supplied)
26. Mount the tail harness socket(1) to the towbar mounting bracket using M4 fasteners (not supplied)

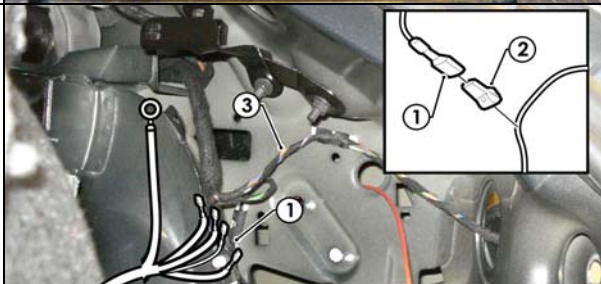


27. Route the trailer harness terminals (1) to the RHS taillight harness wires (3).
28. Following the table on the right, connect the ezy taps (2) to the vehicle harness wires (3) then connect the trailer harness terminals (1) to the corresponding wires (3).

Important

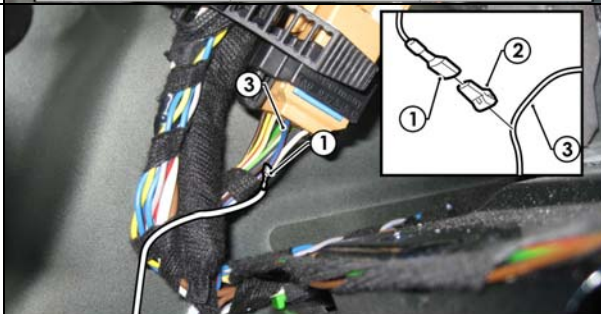


If vehicle is petrol version BLUE/RED reverse wire will be located on the LHS.



Trailer Patch	Vehicle Connector	Function
GREEN / BLACK	BLACK / GREEN	R.IND
BLACK / WHITE	BLUE / RED	REVERSE
BROWN / BLACK	GREY / YELLOW	TAIL
RED / BLACK	GREY / RED	BRAKE

29. In the LHS of the luggage compartment following the table on the right, connect the ezy taps (2) to the harness wires (3) then connect the trailer harness terminals (1) to the corresponding wires.



Trailer Patch	Vehicle Connector	Function
YELLOW / BLACK	BLACK / BROWN	L.IND
BLACK / WHITE	RED / BLUE	REVERSE

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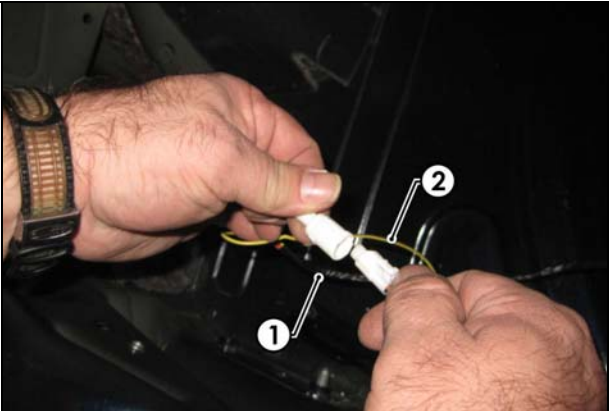


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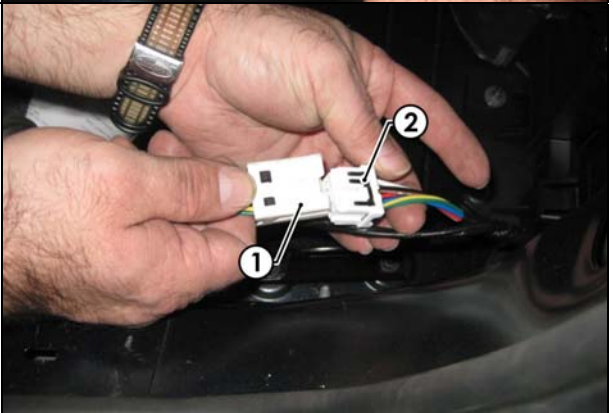
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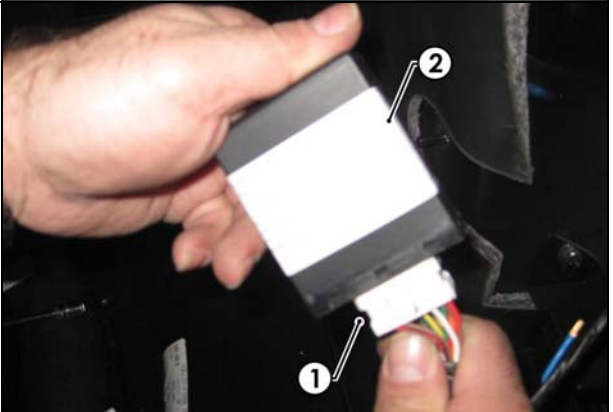
30. Connect the 1-way power wire connector (2) to the trailer harness 1-way mating connector (1).



31. Connect the 8-way tail harness connector (2) to the 8-way trailer harness mating connector (1).



32. Connect the 16-way trailer harness connector (1) to the ECU (2).



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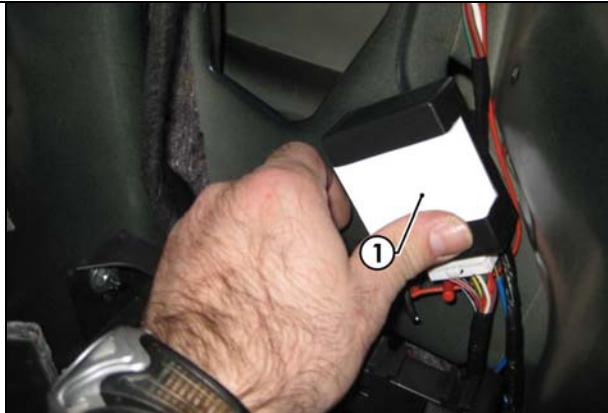


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33. Adhere the ECU (1) to the sheet metal on the RHS of the luggage compartment.



34. Test the Trailer Harness function using a Light Board or multimeter.
35. Secure all Harnesses using cables ties (not supplied).
36. Refit all removed parts and secure all fasteners, ensuring there are no squeaks or rattles.
37. Place instructions in glove box after fitment

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