

**HAYMAN REESE**  
**PART No: R2698W**  
**LAND ROVER DEFENDER 90 2010**  
**TO SUIT MID WHEEL BASE (WITH STEP)**

**INSTALLATION INSTRUCTIONS**

PLEASE ENSURE THAT INSTRUCTIONS ARE UNDERSTOOD PRIOR TO FITMENT



**Installation Time: Approx 30 Mins**

<b>Towbar Installation Instructions</b>	<b>Towbar capacity</b>
<b>LAND ROVER DEFENDER 90 2010</b>	
<b>TO SUIT MID WHEEL BASE (WITH STEP)</b>	
<b>Part Number R2698W</b>	<b>Max Towing Braked 3500kg</b>
	<b>Max Static Ball Load 250kg</b>

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

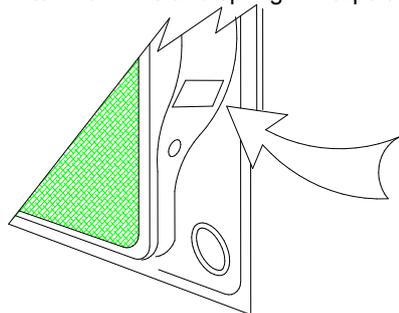
**Tow bar Maintenance and Care.**

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**

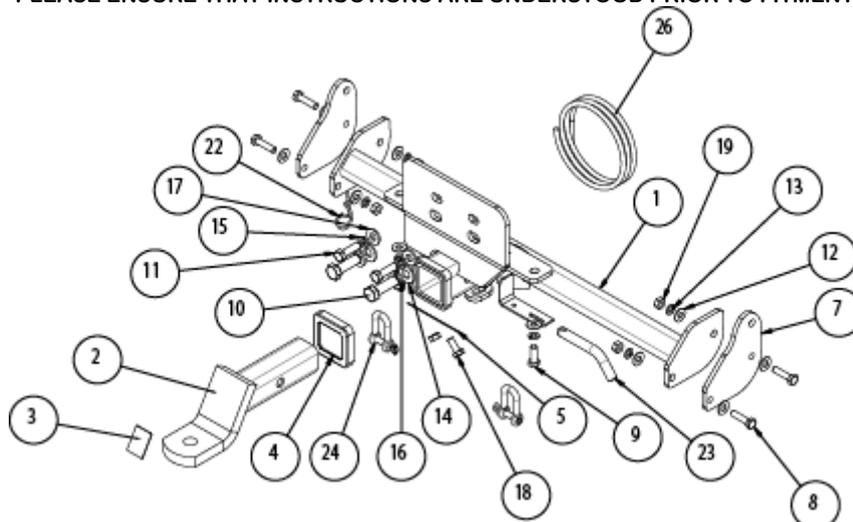
M6	9.5 Nm
M8	21.7 Nm
M10	43.4 Nm
M12	77.3 Nm
M14	146 Nm
M16	189.8 Nm

**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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Items 7, 20, 21 and 25 are not shown in the drawing

Figure 1 – Layout Diagram

ITEM NO.	DESCRIPTION	QTY.
1	WELDED ASSY LR DEFENDER 2010	1
2	TBM	1
3	HAYMAN REESE LOGO STICKER	1
4	Hitch Box Collar Cover	1
5	COMP. PLATE	1
6	CTN 1165x250x330	1
7	END PLATE	2
8	BOLT M10 - 1.5 x 40mm GR 8.8	4
9	M10 - 1.5 x 30mm BOLT	2
10	M16x50 Bolt	2
11	BOLT M12-1.75x40 GR8.8	2
12	Washer Flat M10 x 23 x 2 z/p	10
13	M10 X 3.5 X 2.2 SPRING WSHR	6
14	M16 X 33.5-34.5X2.5-3.0Z/P Flat Washer	2
15	M12 X 4.0 X 2.5 SPRING WASHER	2
16	M16 X 5 X 3.5 SPRING WASHER	2
17	WASHER M12x28.8x3mm	2
18	BOLT M10-1.50 x 25	1
19	NUT HX M10 - 1.5 Z/P	5
20	FITTING INSTRUCTIONS	1
21	Warranty Card	1
22	SPRING COTTER PIN	1
23	PULL PIN	1
24	D' SHACKLE	2
25	LOAD RATING LABEL	1
26	WIRING LOOM	1

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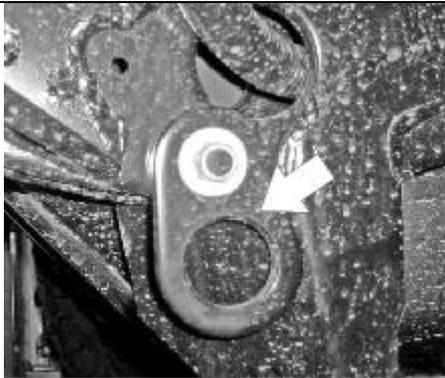


Figure 2 – Remove the shipping hook.

Note: Position the vehicle to a safe working height.

1. Remove the shipping hook from the vehicle and discard it. Refer to Figure 2.

Note: The shipping hook nut and bolt have to be reused again.

Note: If the towbar is removed, the shipping hook should be refitted.

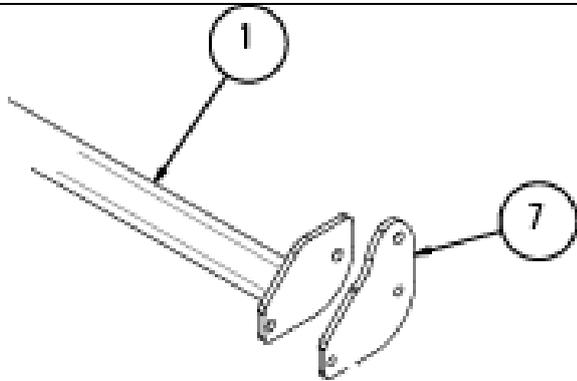


Figure 3 – Fit the End Plates.

2. Fit the End plates (item 7), fitting the shipping hook nut in the topmost hole, as shown in Figure 3.

Note: The shipping hook nut is shown in Figure 2.

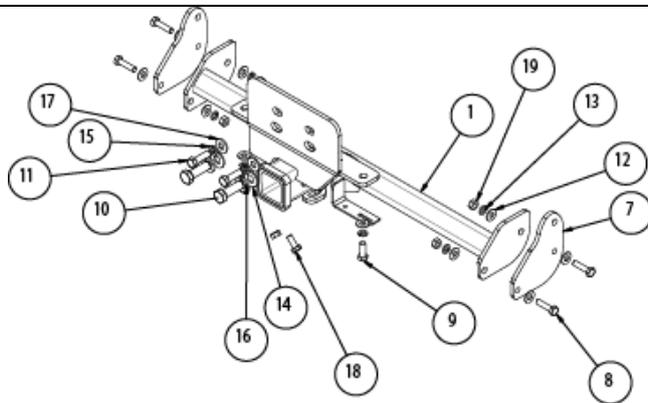


Figure 4 – Fit the towbar

3. Fit the towbar assembly (item 1) to the end plate, using items 8, 12, 12, 13 & 19.
4. Use items 10, 16 & 14 (M16) to fit in the bottom holes of the front plate and items 11, 15 & 17 (M12) to fit in the top holes of the front plate.
5. Use items 9, 12 & 13 to fit in the horizontal plate of the towbar assembly.
6. Torque the bolts to the torque requirements mentioned on page 2.

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- |  |   |
|--|---|
|  | <ol style="list-style-type: none"><li>7. Fit the anti-rattle bolt and nut (item 18 &amp; 19).</li><li>8. Affix the load rating label, as shown on page 2.</li></ol> |
|--|---|



**HAYMAN REESE**  
**PART No: 100371-WL**  
**LANDROVER DEFENDER 90**  
**INSTALLATION INSTRUCTIONS**

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**Wiring Loom Installation Instructions**

**LANDROVER DEFENDER 90**  
**Part No: 100371-WL**

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

**Wiring Loom Installation Time: Approx 20 Mins**

Issue Date 28-07-10

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Part No: 100371-WL

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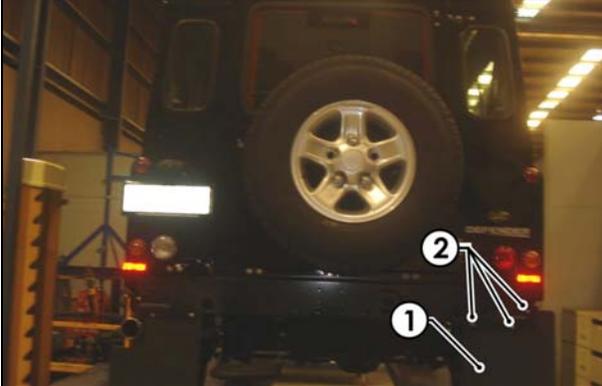
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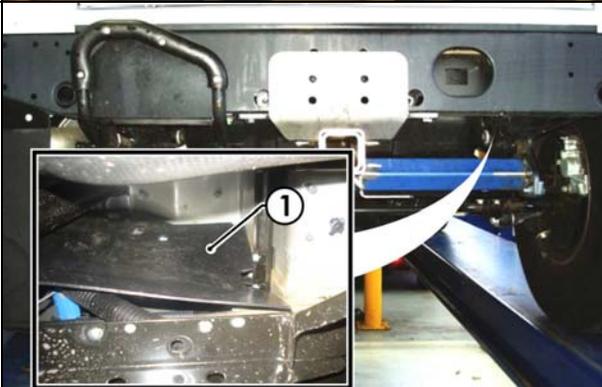
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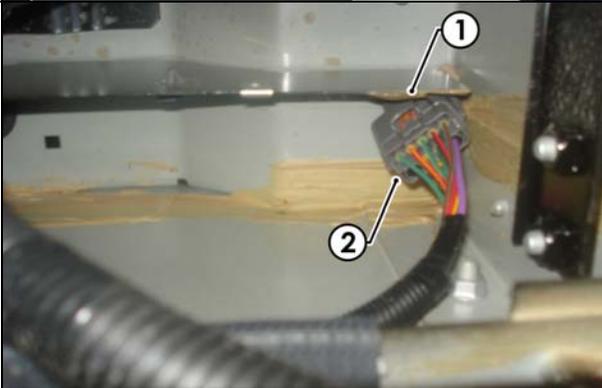
1. Remove the RHS rear mud flap (1) by first removing the three fasteners (2).



2. Underneath the RHS of the vehicle remove the panel cover (1) by first removing the two fasteners.



3. Locate the 9-way breakout connector (1).  
4. Connect the trailer patch harness (P/No 100371-WL) 9-way connector (2) to the 9-way breakout connector.



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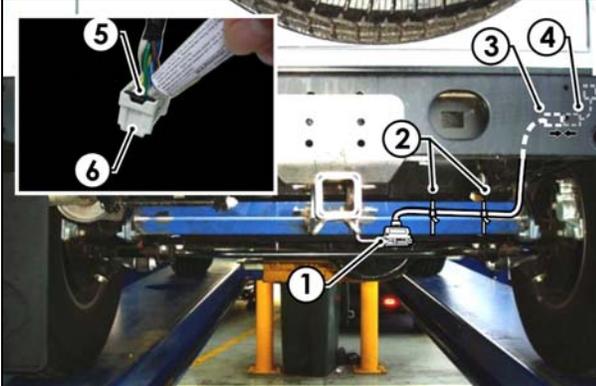
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5. Connect the trailer patch harness (4) to the tail harness (tail length 1200mm) (3).
6. Using electrical grease or silicone (5), water proof the back of the tail harness and trailer patch harness connectors (6).
7. Secure the tail harness to the towbar using cable ties (2) (not supplied)
8. Mount the tail harness socket (1) to the towbar mounting bracket using M4 fasteners (not supplied)



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

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