

HAYMAN REESE
PART No: 03208RW
ISUZU MU-X MY17 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 60 Mins

Towbar Installation Instructions

Towbar capacity

ISUZU MU-X MY17 CL4
Part Number 03208RW

Max Towing Braked	3000 kg
Max Towing Unbraked	750 kg
Max Static Ball Load	300 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 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.

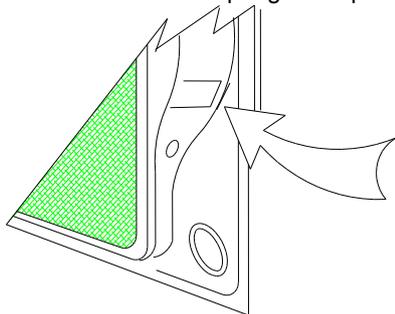
Tow bar Maintenance and Care.

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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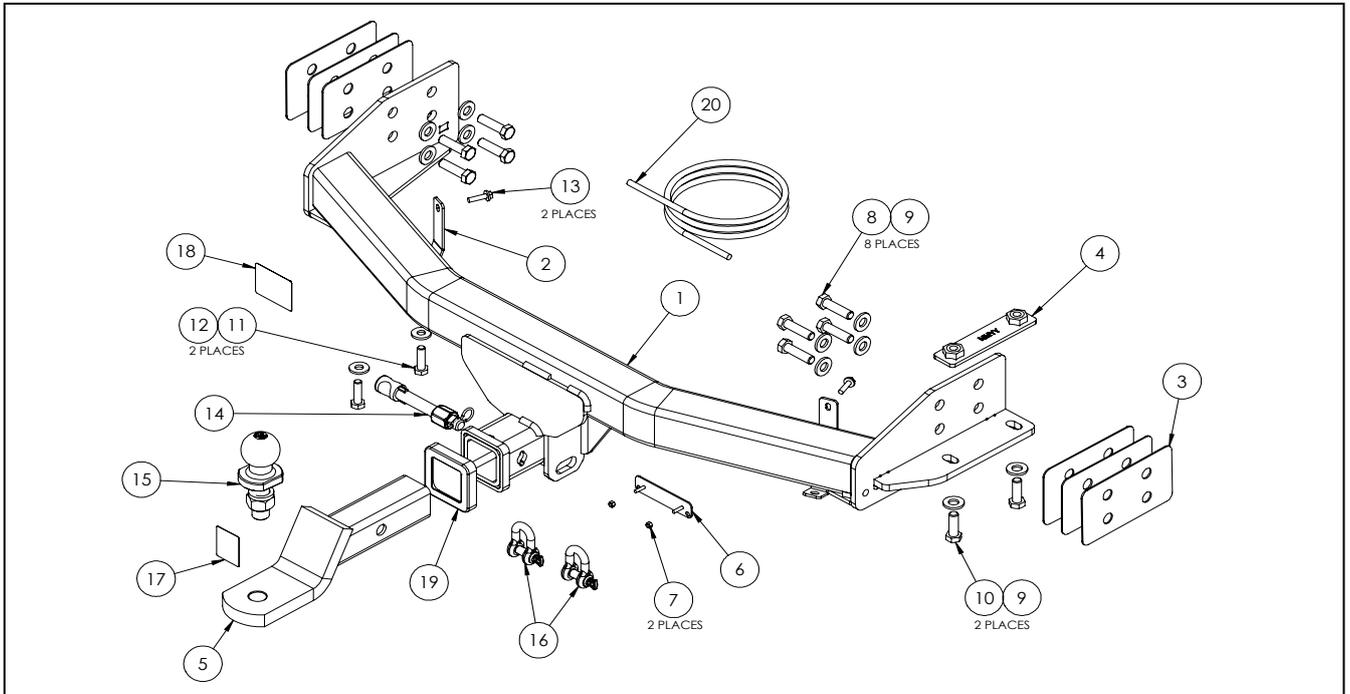
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ITEM	DESCRIPTION	QTY
1	ISUZU MU-X MY17 CL4 WELDED ASSY	1
2	BUMPER TAB	2
3	SHIM 2MM	6
4	NUT PLATE	1
5	CLASS 4 TBM	1
6	VE PLUG BRACKET	1
7	NUT NYLON LOCK HEX HD M4x0.7P G8	2
8	SET SCREW HEX HD M12x45x1.25P G10.9	8
9	WASHER PLAIN 1/2x1-1/8x16G	10
10	M12x35x1.25	2

ITEM	DESCRIPTION	QTY
11	SET SCREW HEX HD M10x35x1.25P	2
12	WSHR FT M10x25.4x3	2
13	TEK SCREW 14-20 HEX HD 22MM	2
14	SMART PIN ASSY CLASS 4 – GOLD	1
15	TOWBALL 50MM FLAT CHROME 3500KG HR	1
16	“D” SHACKLE 10MM	2
17	HAYMAN REESE LOGO STICKER	1
18	ACRYLIC COMPLIANCE LABEL	1
19	HITCH BOX COLLAR COVER	1
20	WIRING LOOM	1

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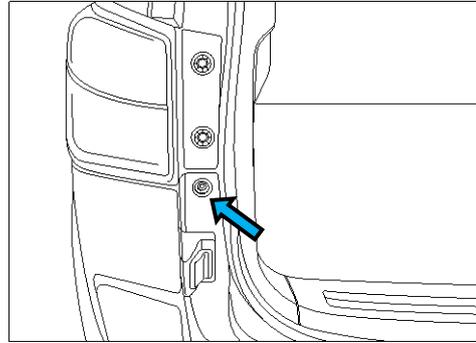


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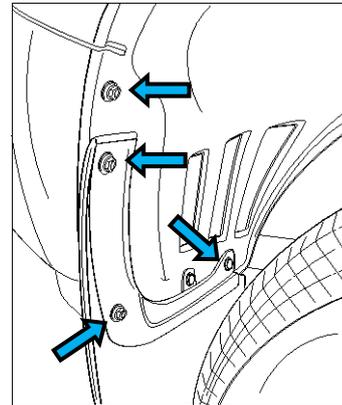
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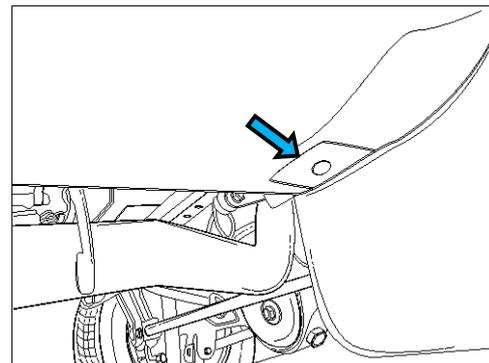
1. Release the Rear Tail gate to expose the Tail Light and inside lip of the Rear Bumper.
2. On LH side, remove 1x set screw securing the bumper.
Repeat for other side.



3. In LH wheel arch, remove the 4 x set screws securing the mud flap and bumper.
Repeat for other side.



4. Remove 1x scrivet on the underside of the Bumper.
Repeat for other side.
5. Along the underside of the Bumper, remove 3x scrivets.
6. Peel away the bumper from the sides and carefully remove the Bumper from the vehicle.
Ensure to disconnect the 2 x tail light plugs and 4 x reverse parking sensor plugs and other sensors during this process.



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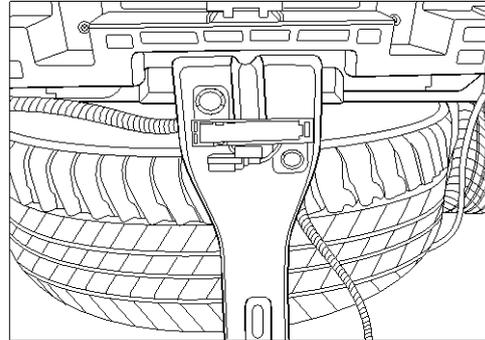
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7. Remove the 3 x bumper tab brackets secured with 2 x flange nuts. Ensure to disconnect the centre bracket sensor harness prior to removal (depicted in image).

Lower the tyre to access the centre bumper tab bracket if required.

The LH and RH brackets can be discarded.



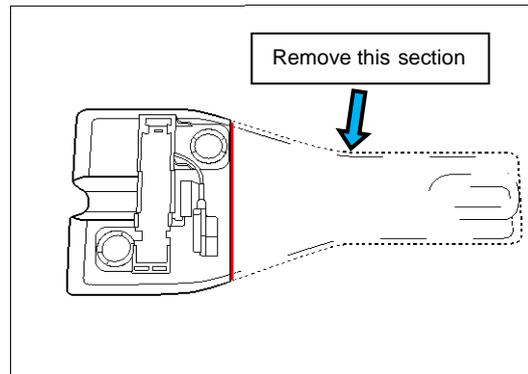
8. On the centre bumper tab bracket, remove the sensor, secured with 2 x scrivers.

9. Mark off and cut the bracket as depicted (just below the bottom scrivet hole).

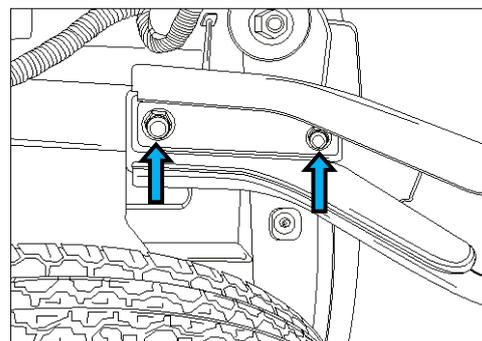
10. Deburr the cut edge and coat with a rust inhibitor.

11. Refit the sensor to the bumper tab bracket using the 2 scrivers.

12. Refit the centre bracket to the vehicle and reconnect the harness.



13. Remove the factory Tow Hook secured with 2x set screws and discard.



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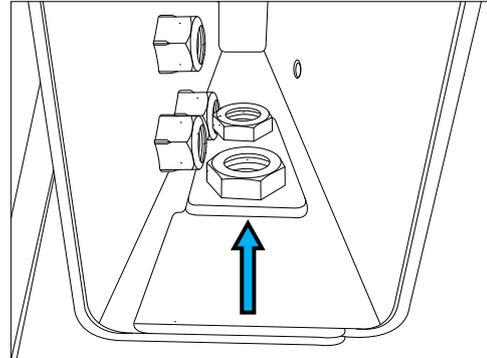


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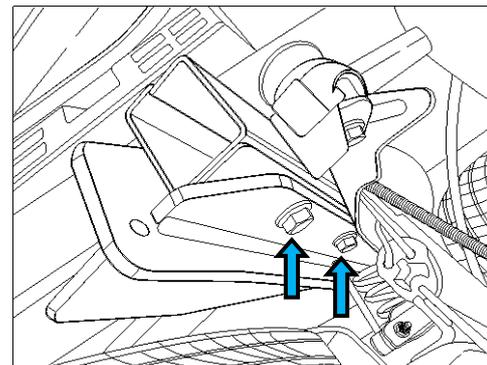
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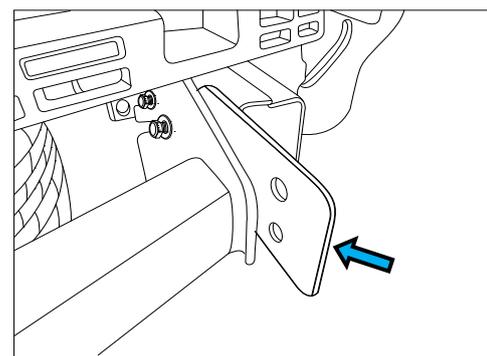
14. Insert tapped plate into drivers side Chassis rail.



15. Raise Towbar to vehicle and loosely secure to the underside of the RH chassis rail with 2 x M12 x 35 x 1.25 set screw complete with 1 x M12 washer per set screw into tapped plate. Loosely secure the LH underside with 2 x M10 x 35 x 1.25 setscrews complete with 1 x M10 washer per setscrew.



16. Centralise towbar and use the Shim plates supplied (if required) to ensure a snug fit between the side plates and Chassis Rail.



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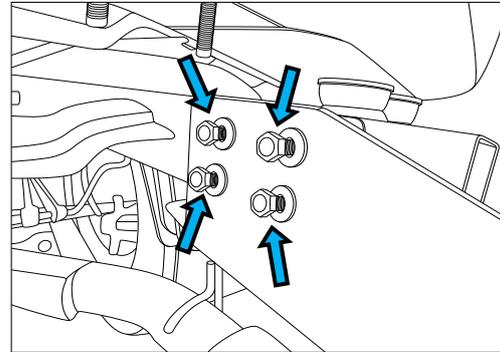


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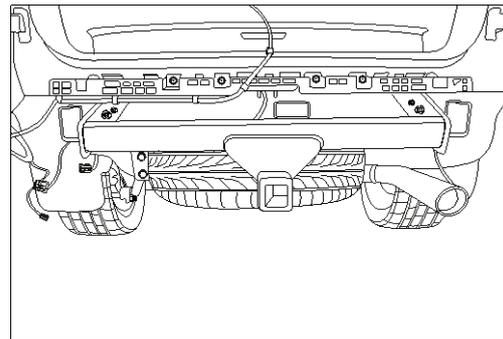
17. With the shim plates in position, loosely secure the side arm to the chassis with 4 x M12 x 45 x 1.25 setscrews complete with 1 x M12 washer per setscrew.
Repeat for other side.



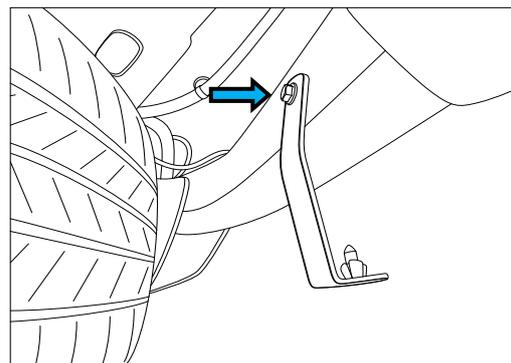
18. Starting with the under chassis mountings, tighten all fasteners to the specified torque.

Torque Specification:

M10 x 35 (Gr 8.8) : 48Nm
M12 x 35 (Gr8.8) : 90 Nm
M12 x 45 Gr 10.9) : 125Nm



19. Loosely secure the 2 x bumper tabs to the towbar using the supplied tek screws.



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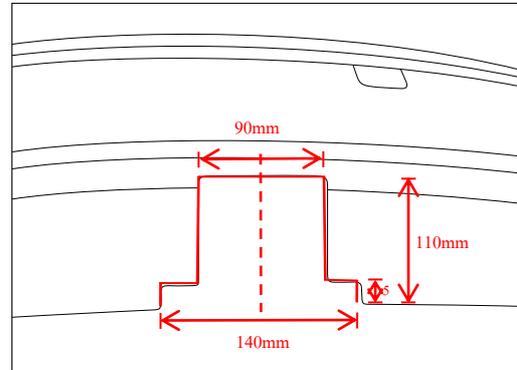
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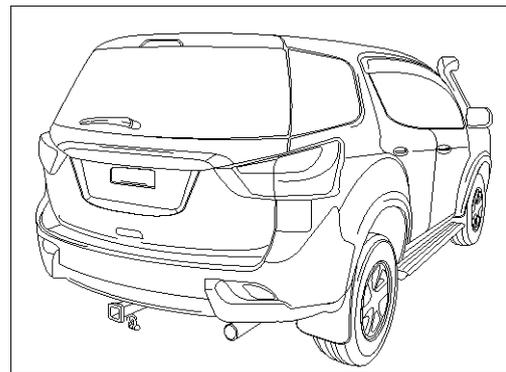
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20. Determine the centre of the Bumper (use bumper tab hole) and use appropriate tools to create a bumper cut, 90mm wide and 110mm long following the outside surface, starting from the bottom edge of the Bumper. (The cut should stop below the Bumper style line)

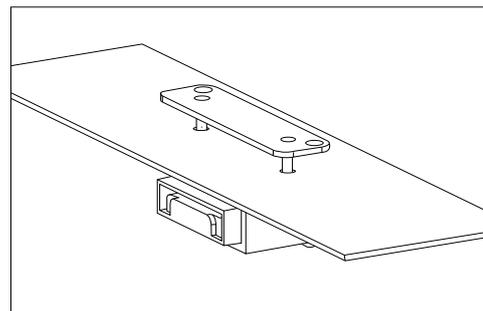
An additional cut of 140mm wide and 5mm long may be required for towbar clearance.



21. Reattach Bumper using steps 1-6 in reverse. Use previously removed scrivenets to fix the bumper to the bumper tabs.



22. Determine an appropriate position for the plug bracket. Mark out and drill 2x \varnothing 5mm holes 69mm apart on bumper skin to support plug bracket.



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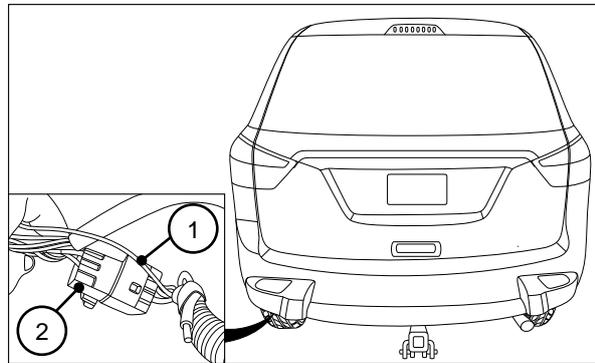
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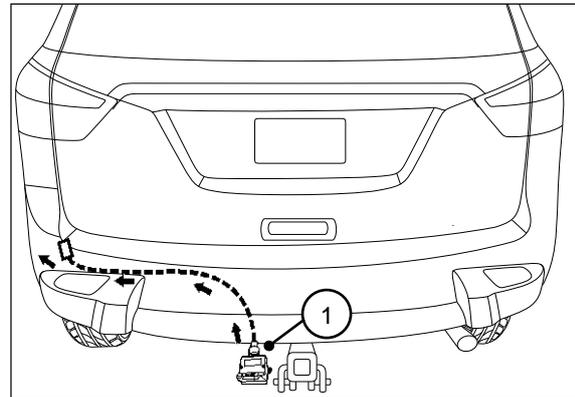
23. Underneath the rear of the vehicle, locate and disconnect the LHS vehicle trailer break-out connector (1).

Note: Depending on the type of breakout connector presented at the vehicle, ensure to use the appropriate patch piece.

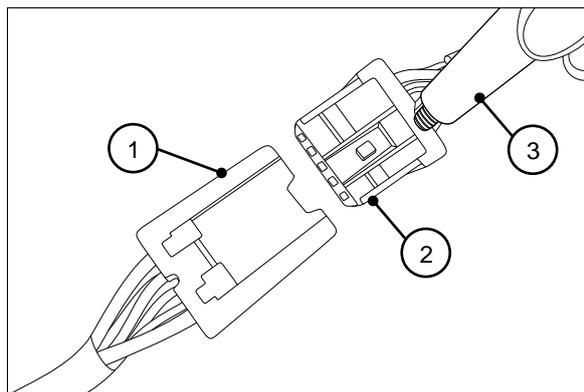
24. Connect the trailer patch harness (P/No: 100055-WL) (2) to the LHS break-out connector (1).



25. From the outside rear of the vehicle, secure the tail harness (tail length: 1200mm) socket (1) to the towbar mounting bracket using M4 fasteners (not supplied).



26. In the bumper cavity area, connect the tail harness 8-way connector (1) to the trailer patch 8-way mating connector (2).
27. **Waterproof the trailer patch 8-way connector (1) and the tail harness 8-way male connector (2) using silicone or grease (3).**



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- | | |
|---|--|
| <ol style="list-style-type: none">28. Test the Tail Harness socket using a light board or multimeter.29. Secure all harnesses using cables ties (not supplied).30. Re-fit all removed parts and secure all fasteners ensuring there are no squeaks or rattles.31. Place instructions in glove box after fitment. | |
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FITTING INSTRUCTIONS

Smart Pin (55070BL)

• These fitting instructions are supplied to ensure understanding of how the SMART PIN should be fitted and used correctly.

• Once installed, we recommend **ALL** instructions are kept and placed in the vehicle glove box.

NOTE: Routine maintenance and inspection of the towbar & SMART PIN is required. Regularly inspect for wear and check the tightness of the SMART PIN NUT. Follow instructions below to retighten the nut when necessary.

***Do not tow with your vehicle if the R CLIP or the SMART PIN NUT is loose or missing. Replacement parts are available from your Hayman Reese Distributor.**

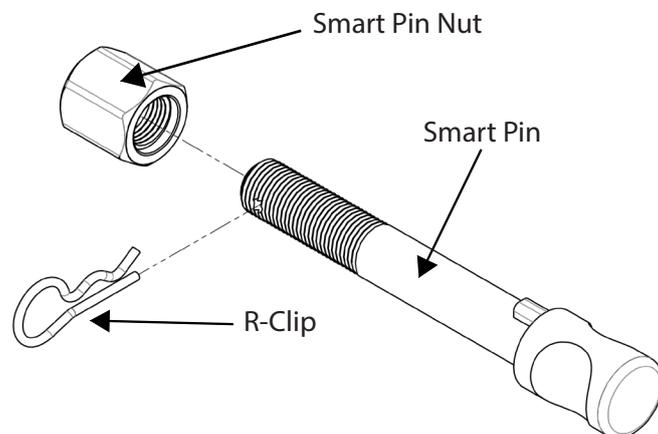
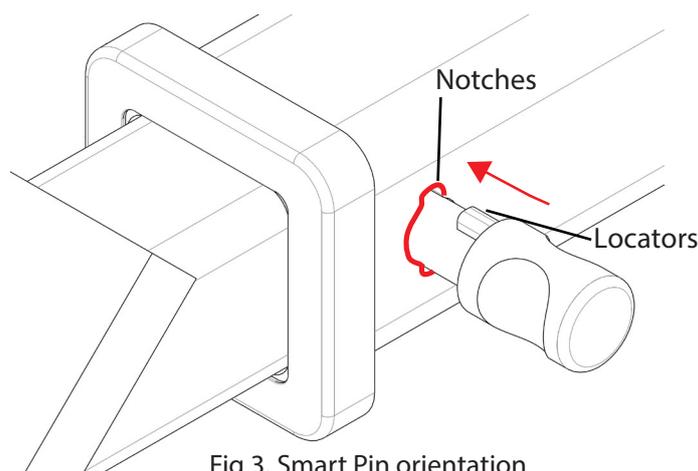
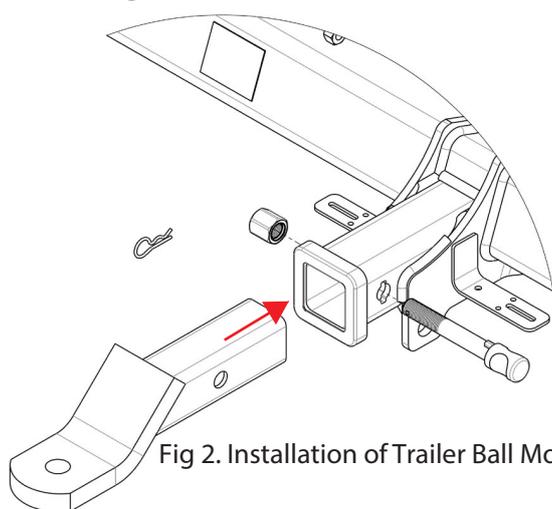


Fig 1. Smart Pin assembly

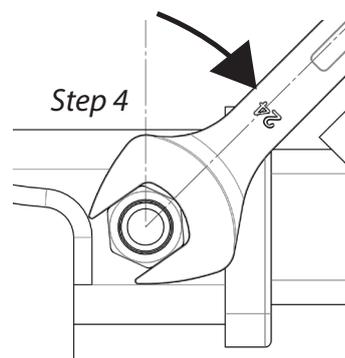
STEP 1 Insert Trailer Ball Mount (TBM) into towbar HITCHBOX, aligning hole in TBM SHANK with hole in HITCHBOX (Fig. 2).



STEP 2 Insert SMART PIN through hole in HITCHBOX and hole in TBM SHANK; ensure the LOCATORS are inserted into the NOTCHES in the HITCHBOX (Fig. 3).

STEP 3 Screw SMART PIN NUT onto SMART PIN; tighten SMART PIN NUT until finger tight, ensuring TBM is restrained from movement.

STEP 4 Tighten SMART PIN NUT by turning nut a further 1/8th of a turn in the clockwise direction using a 24mm spanner (Fig 4).



STEP 5 Install SMART PIN R CLIP through the hole on the SMART PIN (Fig. 1).

