



TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

TOYOTA HILUX CC MY26 X-BAR



PRODUCT DETAILS:

Part Number:	03622XW	Maximum Towing Braked:	3500	kg
ECU Number:	04835	Maximum Towing Unbraked:	750	kg
Tail Harness Length Required:	1200 mm	Maximum Static Ball Load:	350	kg
TBM/Lug Part Number:	21359			
Wiring Part Number:	101247-WL			

FITTING DETAILS:

Towbar Installation Time:	60 Mins.	Hayman Reese SmartCODE Solution Required:	NO
Wiring Installation Time:	30 Mins.	RPA Disable/Other:	NO
Total Installation Time:	90 Mins.	Note:	
Bumper Cut Required:	No		• RPA via infotainment

RECOVERY RATING:

CENTRE RECOVERY HOOK

CENTRE RECOVERY POINT LOADING MUST NOT EXCEED 8000kg.
DESIGNED FOR USE WITH A SNATCH STRAP NOT EXCEEDING 8000kg
MBS (MINIMUM BRAKING STRENGTH).

8000kg



SIDE RECOVERY HOOK (SINGLE)

SIDE RECOVERY POINT LOADING MUST NOT EXCEED 4000kg MBS
(MINIMUM BRAKING STRENGTH).

4000kg



ENSURE THAT INSTRUCTIONS ARE UNDERSTOOD PRIOR TO FITMENT.

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

x-bar.com.au





TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

TOYOTA HILUX CC MY26 X-BAR

BEFORE YOU START:

Hayman Reese recommends that instructions are read completely prior to fitment. Check all hardware items have been included refer to assembly diagram. Please ensure this towbar is only fitted to vehicle models as per Hayman Reese application guide (www.haymanreese.com.au).

Bumper Cuts



Vehicle and bumper variations can and do occur during vehicle manufacture after initial towbar design. Fitment of towbar to vehicle and accuracy of bumper cut must be assessed prior to any bumper modifications made. Incorrect bumper cuts are not covered under Hayman Reese warranty.

NOTE: Bumper cuts need to be approached with care, refer to notes below.

- Bumper centreline – where the centreline of the bumper needs to be determined, the installer must assess centre point by measurement of bumper width or determining two symmetrical reference points to give centreline.
- Bumper edge – To assist with accurate bumper cut measurement, reference to the start of the bumper edge is now being commonly used.
 - Measure from bottom edge along bumper and around corner to the 70 mm point (Figure 1).
 - Do not measure from visible bumper front of corner, upwards (Figure 2).

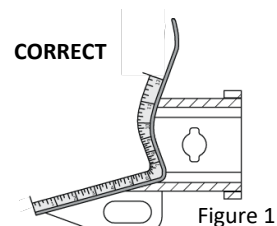


Figure 1

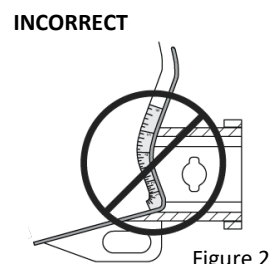


Figure 2

Drilling

- For any required drilling during installation, ensure that the area is clear of fuel, electrical & other components that may be damaged.
- All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.

Bolts/Fasteners

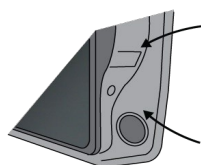
- Ensure that all hardware is fastened to correct torque as specified in this fitting instruction.
- All fasteners supplied with this product are used to achieve a specified clamp loading. If replacement is required ensure that fasteners of the same grade and class are used.



NOTE: Achieving correct torque is critical to proper installation and responsibility of the installer. Towbar failures attributed to tension issues from over tightening or under tightening are not covered by Hayman Reese warranty.

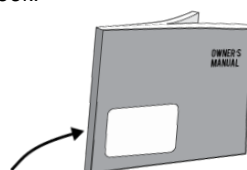
Product Labels

- Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door.
- Powertrain Control Module (PCM)/Body Control Module (BCM) upgrade warning label will be provided in towbar kit for vehicles as required. Affix warning label in door and owner's handbook.



Place **Load Rating sticker** inside driver's door here

Place **Vehicle PCM/ BCM upgrade warning label** in door AND on front cover of owner's service handbook



WARNING:

Do not, drill, cut, weld or otherwise modify the towbar.

FOR TOWING PURPOSES ONLY - This towbar is designed and tested by Hayman Reese to adhere to ADR 62/02 which provides only for the expected load demands of towing.

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

x-bar.com.au

X BAR
BY HAYMAN REESE

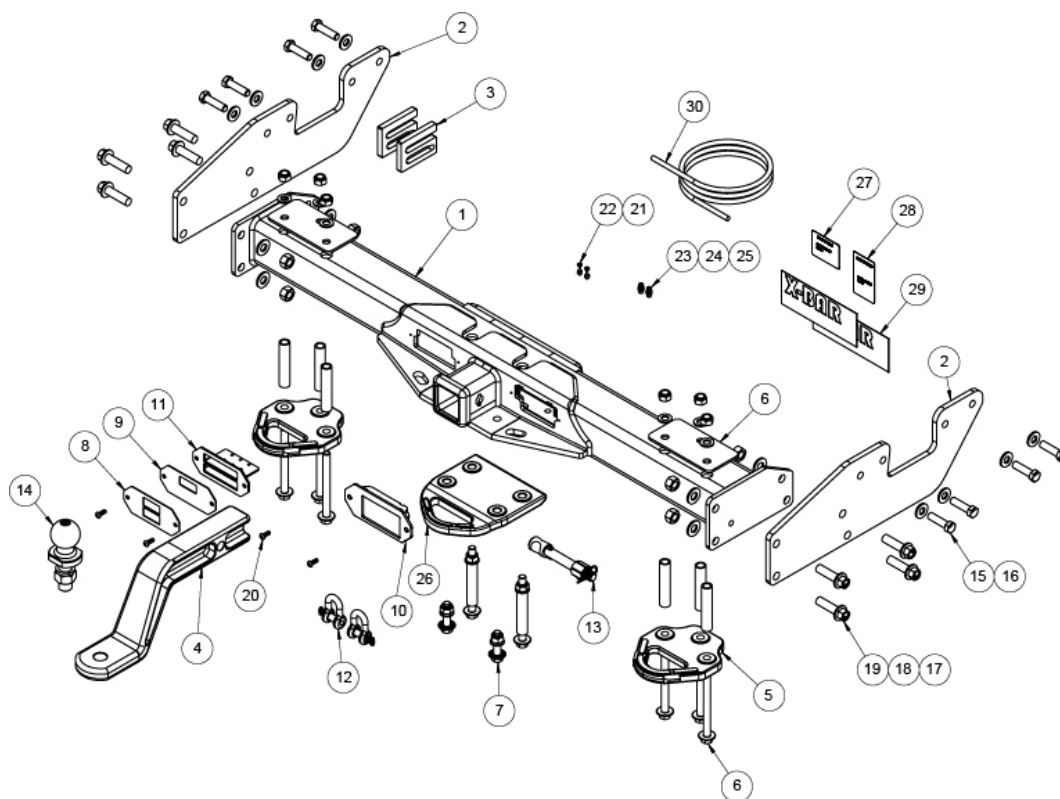


TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

TOYOTA HILUX CC MY26 X-BAR

TOWBAR ASSEMBLY DIAGRAM



ITEM	DESCRIPTION	QTY
1	HILUX CC MY26 X-BAR WELDED ASSY	1
2	SIDE ARM	2
3	BUMPER SPACER XBAR	2
4	FORGED TBM EXTENDED DROP 3.5t	1
5	FORGED SIDE RECOVERY HOOK (XBAR TUB)	2
6	SIDE RECOVERY HOOK BOLT KIT	2
7	XBARFORGED CENTRE HOOK KIT	1
8	DOUBLE PLUG ANDERSON COVER	1
9	SINGLE PLUG ANDERSON COVER	1
10	PIN PLUG BRACKET ASSEMBLY 7/12	1
11	ANDERSON BRACKET ASSEMBLY	1
12	D-SHACKLE 10mm	2
13	SMART PIN GOLD	1
14	TOWBALL 50mm	1
15	SCREW HEX HD M12x45x1.25P G10.9	8

ITEM	DESCRIPTION	QTY
16	WASHER PLAIN M12x27x3.0mm	8
17	NUT HEX HD M14x2.0P G10	8
18	WASHER PLAIN M14.4x28.6x3mm	8
19	BOLT HEX FLANGE M14x50x2.0P G10.9	8
20	SCREW BUTTON M6x16x1.0P G010.9	4
21	NUT NYLOC HEX HD M3x0.7P G8	2
22	SCREW PAN HD M3x20x0.7P G4.6	2
23	SCREW PAN HD M4x16x0.7P G4.6	2
24	NUT NYLOC HEX HD M4x0.7P G8	2
25	WASHER PLAIN M5x10x1.0mm	6
26	FORGED CENTRE RECOVERY HOOK	1
27	COMPLIANCE LABEL	1
28	LOAD RATING LABEL	1
29	X-BAR DECAL STICKER	2
30	WIRING LOOM	1

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

x-bar.com.au





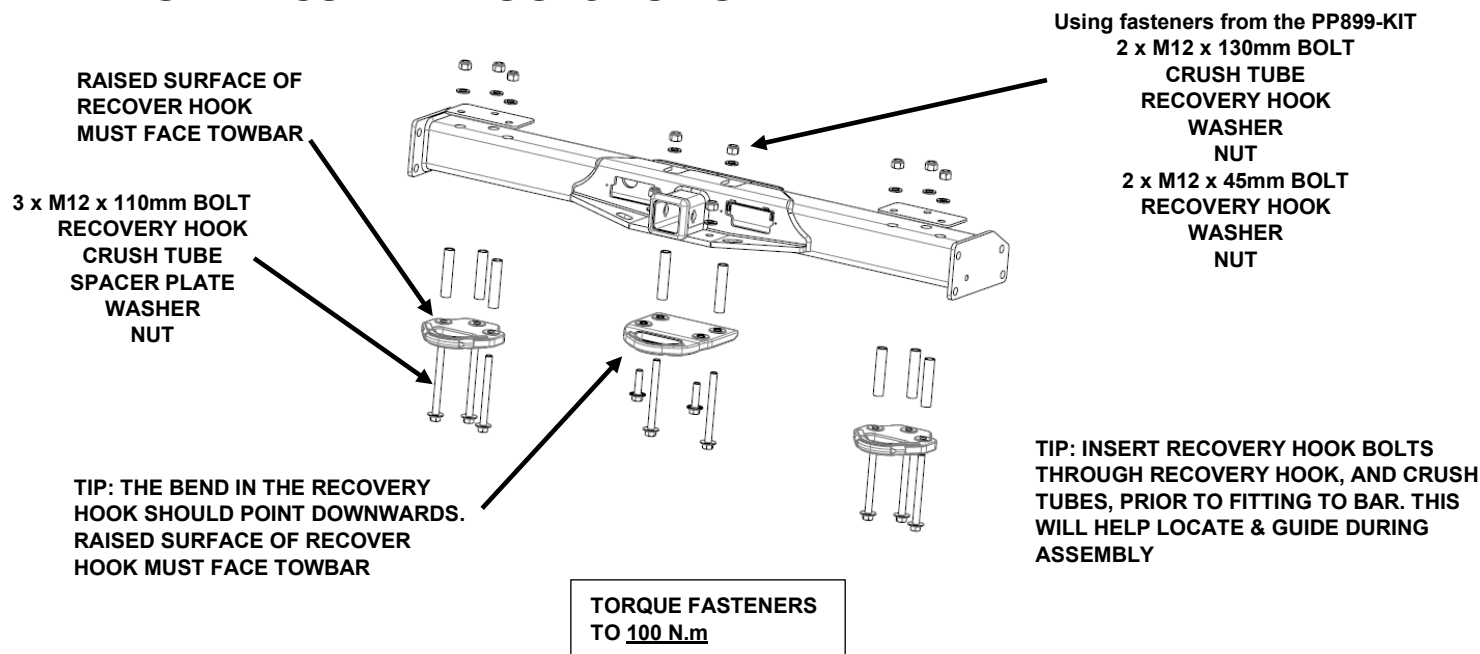
TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

TOYOTA HILUX CC MY26 X-BAR

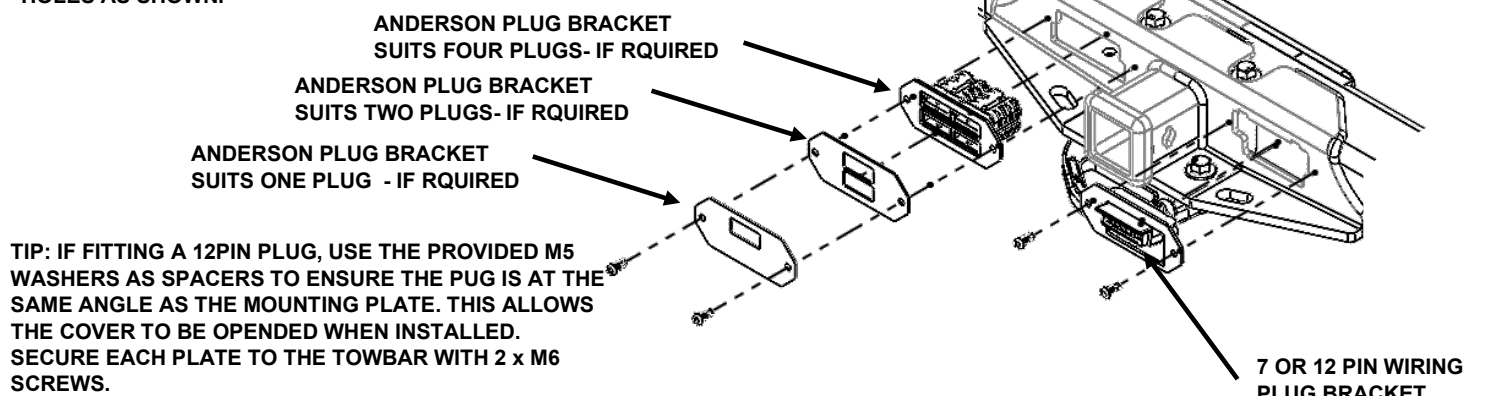
NOTE: Pre-assembly of X-Bar centre section can assist for vehicles with difficult access.

A. BOLT RECOVERY HOOKS TO TOWBAR



B. INSTALL TRAILER PLUG PATCH HARNESS

USING 2 x M4 x 12mm SCREWS SECURE THE WIRING PLUG TO THE 7 PIN PLUG BRACKET, USING 2 x M6 x 16 X1.0P SECURE THE 7 PIN PLUG BRACKET AND ANDERSON PLUG BRACKET (IF REQUIRED) TO THE MAIN TOWBAR ASSEMBLY THROUGH THE TAPED HOLES HOLES AS SHOWN.



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

x-bar.com.au

XBAR
BY HAYMAN REESE



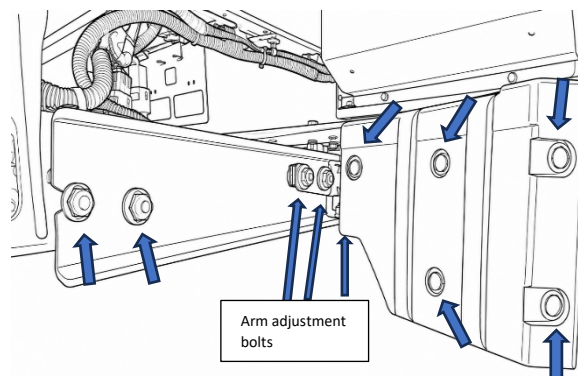
TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

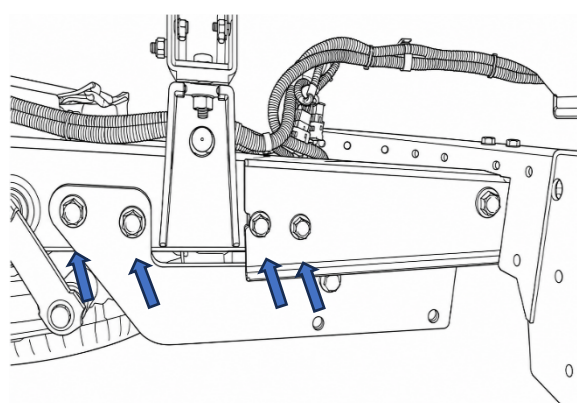
TOYOTA HILUX CC MY26 X-BAR

Work on one side of the vehicle for steps 1 to 6 and then repeat for the other side.

1. As a precaution to prevent damage to the sensor cover, remove the sensor cover secured with 5x push scrivers.
2. Loosen the 1x Bolt and nut from under the sensor bar for the arm adjustment.
3. Loosen the 2 x Bolts and nuts on the inside of the sensor bar to allow clearance for the fitment of the 10mm bumper spacer. Keep the original shims.
4. Support the sensor bar with a strap, remove and discard the 2 x Bolts securing the sensor bar arms to the chassis



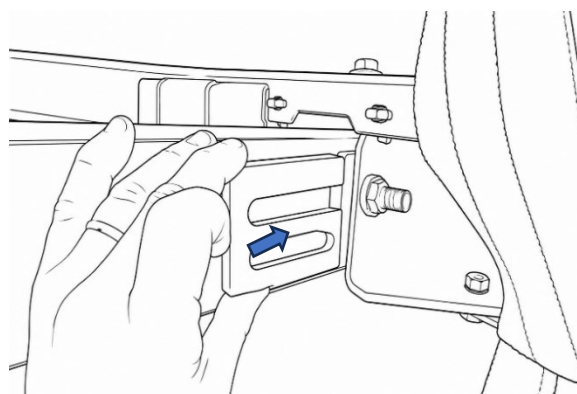
5. Position the side arm along with the sensor bar arm to the chassis and loosely secure to the chassis with 4 x M12x45x1.25 Gr10.9 bolts complete with 1 x M12 washer per bolt.



6. Insert the 10mm bumper spacer along with the existing shims between the sensor bar and the sensor bar arm and tighten the bolts to prevent the shims from falling out.

Repeat steps 1 to 6 for the other side.

Image depicts fitment on the driver's side.



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

x-bar.com.au

XBAR
BY HAYMAN REESE

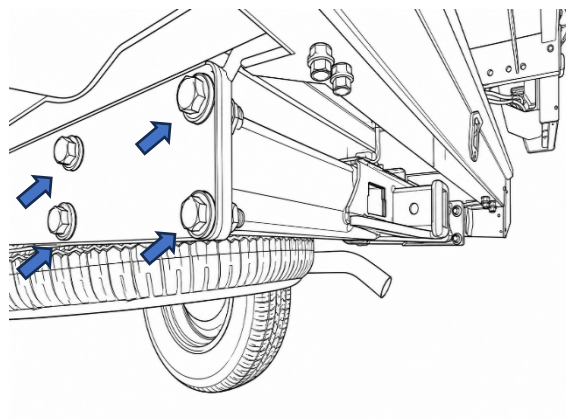


TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

TOYOTA HILUX CC MY26 X-BAR

7. Install the recovery hooks, refer Step A on page 4, prior to attaching the crosstube assembly to the side arms.
8. With assistance, position the crosstube assembly to the side arms and loosely secure each side with 4x M14x50x2 Gr10.9 flanged bolt complete with 1 x M14 washer and 1 M14 nut per bolt.



9. Position the sensor bar in the appropriate position and tighten all fasteners to the following torque.

TORQUE SPECIFICATION:

M12 x 1.25 Gr 10.9 : 125 N.m (side arm to chassis)

M14 x 2.0 Gr 10.9 : 175 N.m (Side arm to crosstube assembly)

Ensure to tighten the 3 x fasteners on each side that were loosened for the bumper spacer fitment.

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

x-bar.com.au



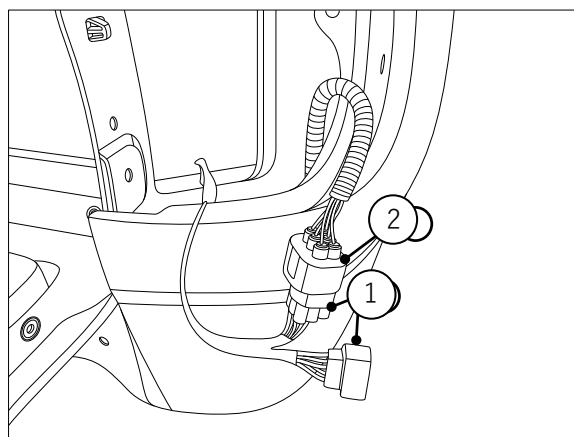


IMPORTANT

Due to possible vehicle variations, always confirm any noted vehicle colour wires with a multi-meter to ensure the correct function is identified before soldering or scotch locking. For vehicle wires denoted with two colours (example; RED/GREEN) the first colour will always be the main wire colour while the second colour is the thinner trace colour on the wire.

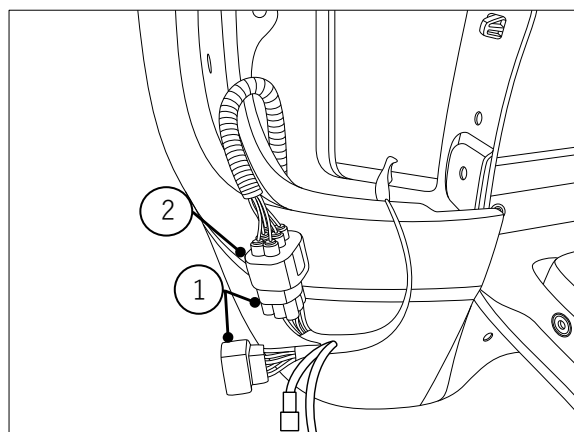
10. From underneath the vehicle, route the trailer patch harness (P/No: 101247-WL) connectors (1) up the RHS taillight cavity.

Patch the trailer patch harness RHS connectors (1) to the taillight connector (2).



11. Underneath the vehicle, route the trailer patch harness (1) over the support bar and along the vehicle harness towards the LHS taillight cavity.

Patch the trailer patch harness LHS connectors (1) to the taillight connector (2).





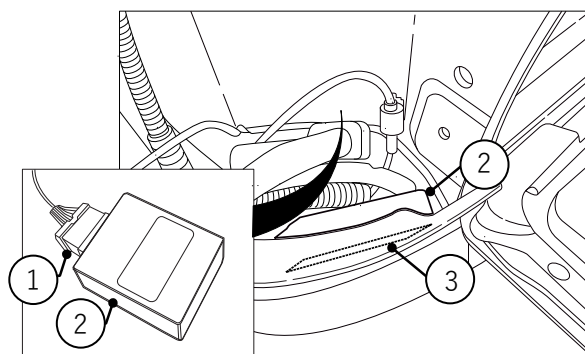
TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

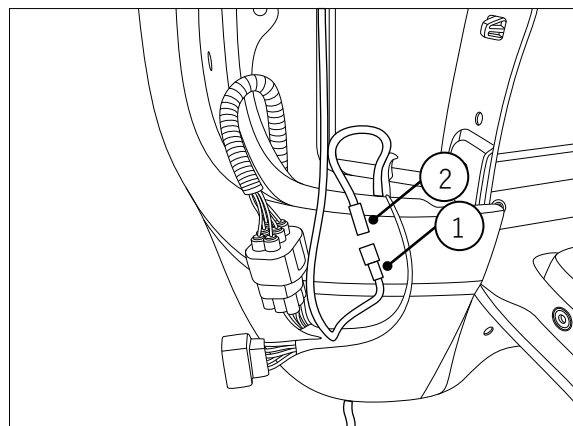
TOYOTA HILUX CC MY26 X-BAR

12. Connect the trailer patch connector (1) to the ECU (P/No: 04835) (2).
13. Secure the ECU along chassis in a secure location using cable ties (not supplied).

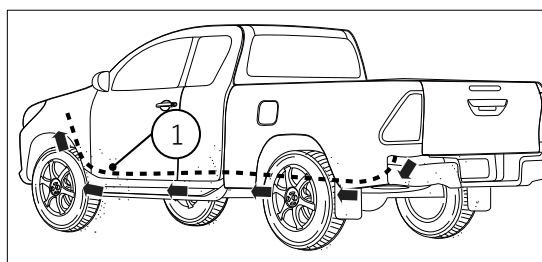
Ensure the ECU connector is pointing downwards.



14. Connect the trailer patch ORANGE wire 1-way connector (1) to the Power Harness (P/No: 04825) mating 1-way connector (2).



15. Route the power harness (1) along the LHS chassis rail to the engine bay. **Ensure to secure harness away from any moving parts or sharp objects and sources of extreme heat with cable ties (not supplied).**



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

x-bar.com.au





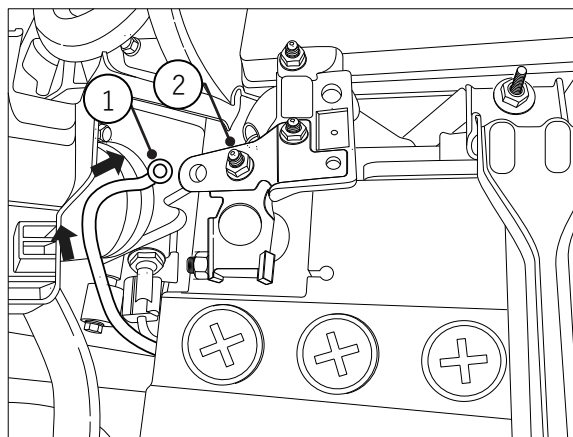
TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

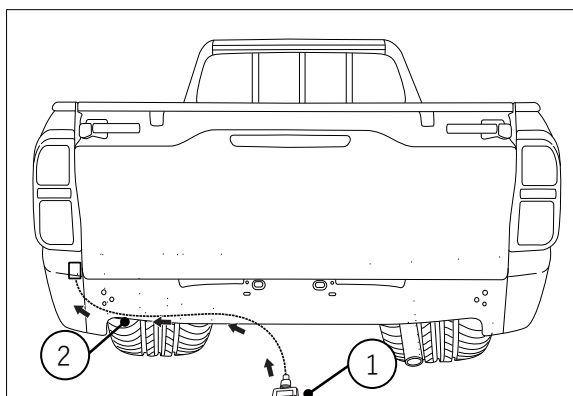
TOYOTA HILUX CC MY26 X-BAR

16. Route the power harness up to the battery.
17. Secure the power harness ring terminal (1) onto the battery positive terminal fastener (2).

Note: Be careful when removing the positive nut not to short your tool on the vehicle.

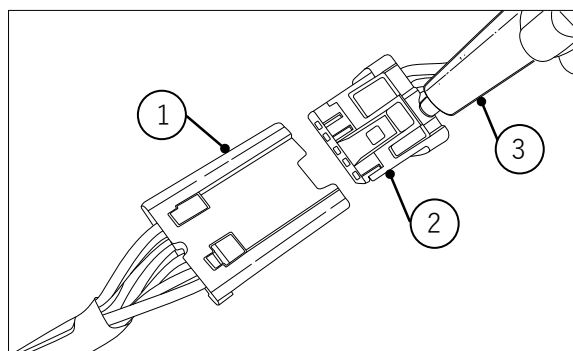


18. Route the tail harness (tail length: 1200mm) from the towbar (1) along the rear LHS of the vehicle (2).



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

Waterproof the trailer patch 8-way connector (1) and the tail harness 8-way male connector (2) using silicone or grease (3) (not supplied).



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

x-bar.com.au

XBAR
BY HAYMAN REESE



TOWBAR INSTALLATION INSTRUCTIONS

PART NUMBER 03622XW

TOYOTA HILUX CC MY26 X-BAR

-
20. Test the trailer harness function using a light board or multi-meter.
 21. Secure all harnesses using cable ties (not supplied).
 22. Re-fit all removed parts and secure all fasteners, ensure there are no squeaks or rattles.
 23. Place instructions in glove box after fitment.
-

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

x-bar.com.au





CUSTOMER INFORMATION

PLACE THESE INSTRUCTIONS IN THE
VEHICLE'S GLOVEBOX AFTER INSTALLATION

**THANK YOU FOR PURCHASING HAYMAN REESE.
WITH CORRECT MAINTENANCE AND CARE THIS PRODUCT WILL PROVIDE A
LIFETIME OF TROUBLE-FREE OPERATION.**

TOWBAR MAINTENANCE AND CARE:

1. Hayman Reese recommend that the towbar LUG or TBM (tow ball Mount) Pull Pin and R-clip are removed and stored when not in use. Removal of LUG or TBM (tow ball mount) is advisable when not in use to assist with any of the following.
 - Ensure rear number plate is not obscured.
 - Allow maximum available departure angle and prevent any potential interference.
 - Prevent possible interference with vehicles reverse sensors or camera detecting a tow ball mount as an obstruction during reversing.
 - Removes towball mount as an obstruction for when moving around the rear of the vehicle.
2. Hayman Reese recommends routine inspection of your towbar to ensure trouble free towing.
 - Bolt security and tension should be regularly inspected and checked for correct tension. Replace any worn or defective parts with suitable grade & class fasteners. Inspection should be requested to coincide with vehicle major services.
3. It is the owner's responsibility to ensure towing and down ball weight capacities of the towing vehicle are not exceeded.
 - Towing and down ball weights allowable may differ according to model variations. Please refer to owner's manual or vehicle dealer to confirm exact rating for your vehicle model variant.
 - It is not uncommon for the vehicle tow rating to differ from the towbar rating. When this occurs, the lesser rating must be adhered to.
 - For vehicles fitted with enhanced vehicle functions that may be altered/changed when towing i.e Trailer sway mitigation, blind spot detection, adaptive cruise control etc. Please consult owner's manual to understand changes enabled when towing and after towing.

WARRANTY INFORMATION:

Hayman Reese Towbars are covered by a Lifetime Warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For further details please visit www.haymanreese.com.au/warranty or contact customer service on 1800 812 017 or info@haymanreese.com.au.

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

x-bar.com.au





CUSTOMER INFORMATION

PLACE THESE INSTRUCTIONS IN THE
VEHICLE'S GLOVEBOX AFTER INSTALLATION

HAYMAN REESE SMART PIN

Your Hayman Reese towbar is equipped with Smart Pin technology to help reduce towbar tongue rattle in most driving conditions. Please ensure below instructions are understood and routine maintenance is carried out to ensure best towing experience.

i Regularly inspect for wear and check the tightness of the Smart Pin Nut. Follow instructions below to re-tighten the nut as necessary when movement and noise in the tow ball mount is noted.

- Before towing, ensure R-Clip is properly installed and Smart pin nut is installed and tensioned. Replacement parts are available from your Hayman Reese Distributor.

TOWBALL MOUNT REMOVAL/INSTALLATION

STEP 1

Insert Trailer Ball Mount (TBM) (a) into towbar hitchbox (b), aligning hole in TBM shank (c) with hole in hitchbox (d) (Fig. 1)

STEP 2

Insert Smart Pin (e) through hole in hitchbox and hole in TBM shank (g); ensure the locators are inserted into the notches in the hitchbox (Fig. 2)

STEP 3

Screw Smart Pin Nut (f) onto Smart Pin (g); tighten Smart Pin Nut until finger tight, ensuring TBM is restrained from up and down movement.

STEP 4

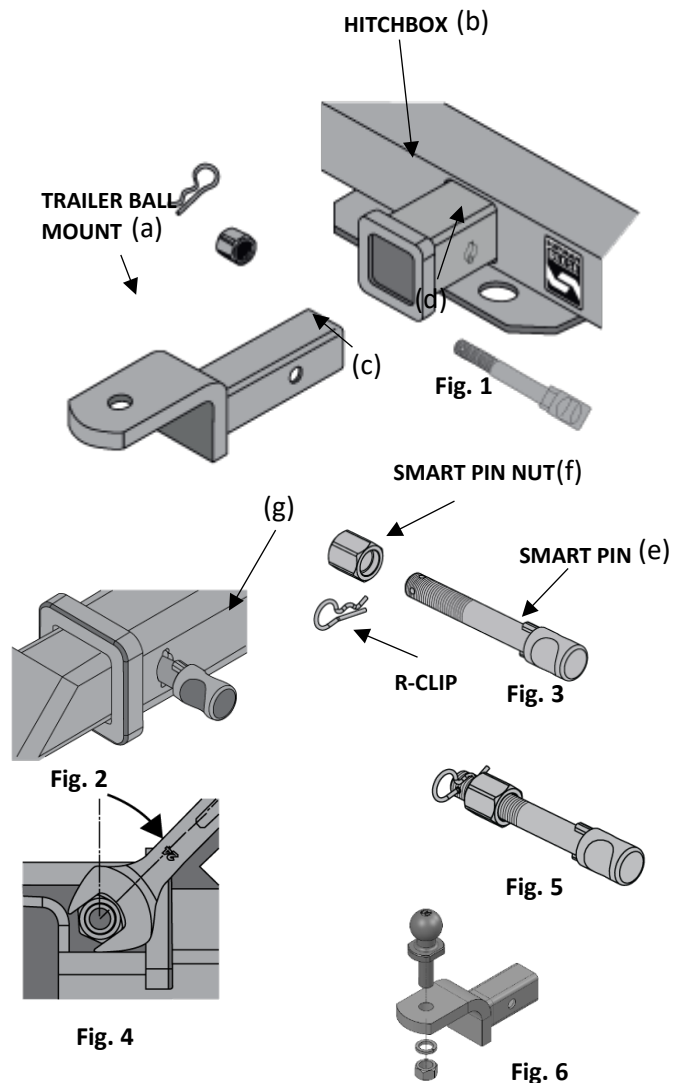
Tighten Smart Pin Nut by turning nut a further 1/8th of a turn in the clockwise direction using a 24mm spanner (Fig. 4).

STEP 5

Install Smart Pin R-Clip through the hole that provides best clearance or easiest access. (Fig. 5)

STEP 6

Install towball onto TBM and tighten to **350 Nm** using a calibrated torque wrench (Fig. 6).



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

x-bar.com.au

XBAR
BY HAYMAN REESE