

INSTALLATION INSTRUCTIONS



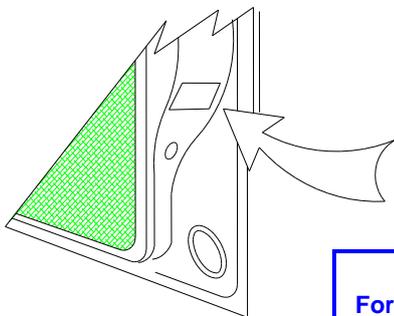
03416R MERCEDES SPRINTER NCV3/VW CRAFT 2EF1/2 CL4
ENSURE INSTRUCTIONS ARE UNDERSTOOD BEFORE INSTALLATION.

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.

Max. Towing Weight : 2000/200KG

1. Ensure all hardware items have been included
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. 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.
5. Remove the rear bumper/step by removing the 4 Skrivets on the step & 3 Torx screws on vertical side of the bumper as shown in fig...
6. Remove the 6 bolts holding up the rear step bumper bracket & discard the bracket. Do not discard the bolts as they are used to fit the towbar.
7. Before lifting the towbar into position, fit the reinforcement plate to the towbar as shown in the drawing.
8. Lift towbar with step into position, so as holes within side arm align with holes on inside of chassis rails.
9. Fit the bar using the 6 M12 bolts used to fit the discarded bumper bracket & two M12 bolts provided loosely.
10. Flex out the plastic step & fix it over the reinforcement plate.
11. Manoeuvre the towbar such that the plastic step is parallel to the ground & sits on the reinforcement plate, and then tighten the M12 bolts to torque listing.
12. Refit the 4 Skrivets & 3 Torx screws as in reverse of step 5.
13. Tighten all bolts to torque listing.
14. Towbar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door. **(See diagram below).**
15. Hayman Reese recommends that you check your tow ball to ensure that it complies with the Australian standards **AS 4177.2**.
16. **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.



Place load rating sticker
inside driver's door here

RECOMMENDED ASSEMBLY TORQUE LISTING

<u>Diameter</u>	<u>Grade 8.8 Bolt</u>
M6	9.5 Nm
M8	21.7 Nm
M10	43.4 Nm
M12	77.3 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.

INSTALLATION INSTRUCTIONS



03416R MERCEDES SPRINTER NCV3/VW CRAFT 2EF1/2 CL4
ENSURE INSTRUCTIONS ARE UNDERSTOOD BEFORE INSTALLATION.

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.

FIG 1: SHOWS THE SCREWS TO BE REMOVED TO FLEX THE BUMPER STEP

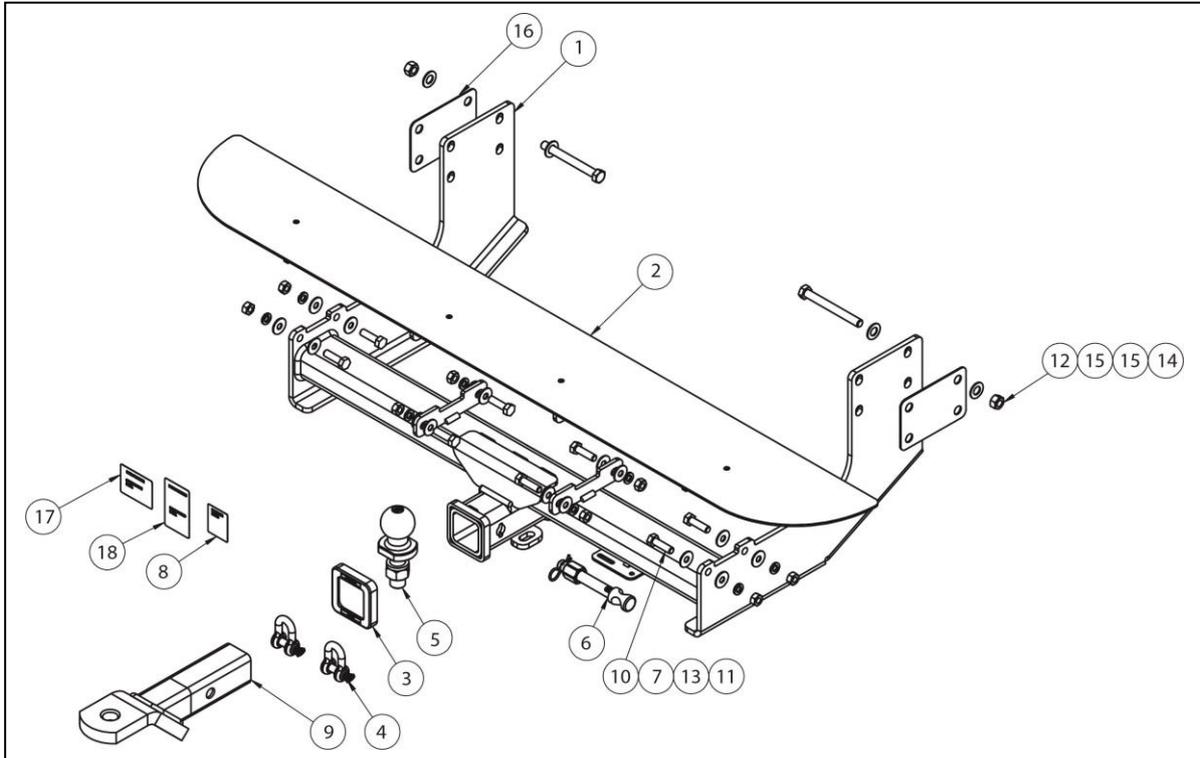


INSTALLATION INSTRUCTIONS



03416R MERCEDES SPRINTER NCV3/VW CRAFT 2EF1/2 CL4
ENSURE INSTRUCTIONS ARE UNDERSTOOD BEFORE INSTALLATION.

03416R HITCH ASSEMBLY



ITEM	DESCRIPTION	QTY
1	MERCEDES SPRINTER ASSEMBLY	1
2	WELDED STEP	1
3	HITCH BOX COLLAR COVER	1
4	"D" SHACKLE 10mm	2
5	TOWBALL 50mm	1
6	SMART PIN GOLD	1
7	WASHER PLAIN 3/8 X 1 X 16G	16
8	HAYMAN REESE LOGO STICKER	1
9	TRAILER BALL MOUNT	1
10	SCREW HEX M10 X 35 X 1.5P	8
11	SPACER, NUT HEX M10 X 1.5P	8
12	NUT HEX M12 X 1.25P	2
13	WASHER SPRING M10 X 3.5 X 2.2	8
14	BOLT HEX M12 X 110 X 1.25P	2
15	WASHER PLAIN 1/2 X 1-1/8 X 16	4
16	SPACER	2
17	CAN MODULE WARNING LABEL	2
18	COMPLIANCE LABEL	1
19	LOAD RATING LABEL	1



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.**

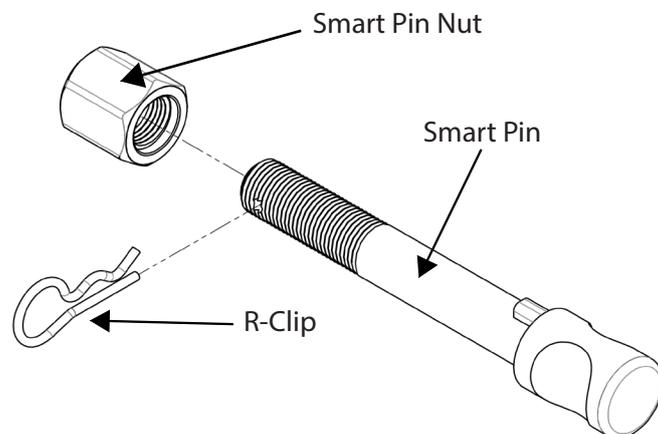
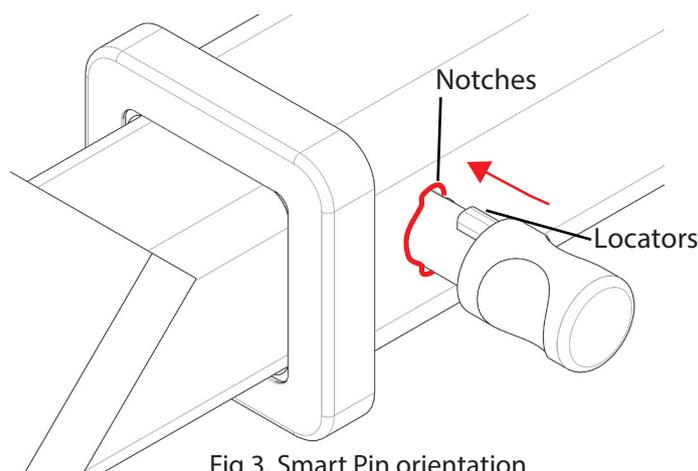
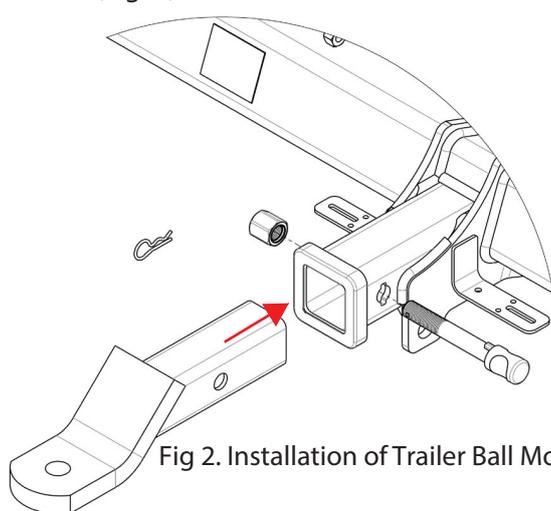


Fig 1. Smart Pin assembly

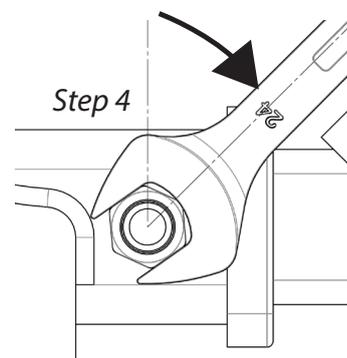
STEP 1 Insert Trailer Ball Mount (TBM) into towbar HITCHBOX, aligning hole in TBM SHANK with hole in HITCHBOX (Fig. 2).



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).

