



SIDEARM KIT PART NUMBER

VEHICLE APPLICATION

CLASS 5 TOWBAR INSTALLATION INSTRUCTIONS

MCL5A - 2001

IVECO DAILY (CLASS 5)



PRODUCT DETAILS:

Part Number:	MCL5A-2001	Maximum Towing Braked:	3500	kg*
Tail Harness Length Required:	1200 mm	Maximum Towing Unbraked:	750	kg
Wiring Part Number:	101346-WL	Maximum Static Ball Load:	350	kg*

*NOTE: maximum rating may lower if GVM is over 5,000kg - refer to VSB6/VSG16

FITTING DETAILS:

Towbar Installation Time:	45 Mins.	Vehicle Coding Required:	NO
Wiring Installation Time:	15 Mins.	RPA Disable/Other:	NO
Total Installation Time:	60 Mins.	Note:	
		•	Electric brake wire located near blue connector

Please note that this hitch kit is part of a modular towbar range. In order to complete a towbar installation, three separate kits are required:

- A. SIDEARM KIT (included)
- B. CROSSTUBE KIT
- C. HITCH/PINTLE KIT



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ENSURE THAT INSTRUCTIONS ARE UNDERSTOOD PRIOR TO FITMENT.

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.

Note that to create a full towbar installation, the installer will require:

1 x Side arm kit

1 x Cross tube kit

1 x Hitch Kit

Do not attempt to start installation until a complete towbar kit contents is confirmed.

Please ensure this towbar is only fitted to vehicle models as per Hayman Reese application guide. (www.haymanreese.com.au)



Compliance and Legal Requirements

It is important to check if the fitting of this towbar requires sign off after fitment by an approved vehicle engineer.

For Light vehicles (Under 4500kg GVM) this will depend upon the state or territory in which the vehicle is registered.

For vehicles over 4500kg GVM the requirements of the National Heavy Vehicle Regulator will apply. Please consult your local transport authority (or NHVR) for guidance on this matter.

If Truck GVM is over 5000kg ensure requirements for additional labelling of the bar for VSG 16 are met. Hayman Reese have a range of labels suitable for this purpose – contact Hayman Reese for further information.

There is a requirement under AS4177 for the height of a **50mm towball** to meet the requirements for ADR 62/02. This height measured from the ground is 350mm to 460mm when the vehicle is fully laden to GVM. Refer to detailed guidance specified below. It is also important to understand the customer expectations regarding ball height and matching this whilst ensuring compliance to AS4177 and ADR 62/02.

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 chassis shall have all burrs & swarf removed then coated with a suitable rust preventative paint.

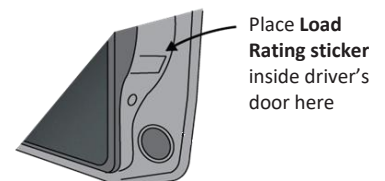
Bolts/Fasteners

- 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

One Towbar load rating sticker / compliance label provided with this product shall be conspicuously located on inside rear end of the driver's door, the other should be attached to the towbar cross tube once installation is complete.



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.



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In all applications where a 50mm towball is used for towing, certain Australian Design Rules (ADR) regulations must be met. **Australian Standard 4177.1** states:

When towbar and towball are fitted to the laden towing vehicle, the height of the towball above ground shall be between 350mm and 460mm (or capable of being adjusted)

Prior to purchasing, it is important to ensure that your chosen combination of A, B and C kits will be compliant with ADR 62. Please refer to the below figure to help calculate your expected ball height.

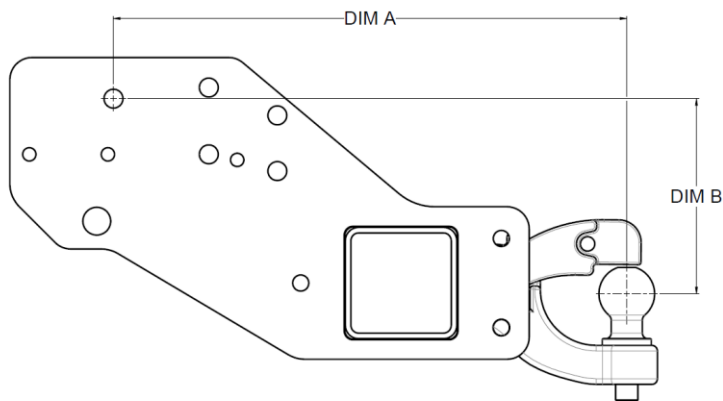


Fig. 1

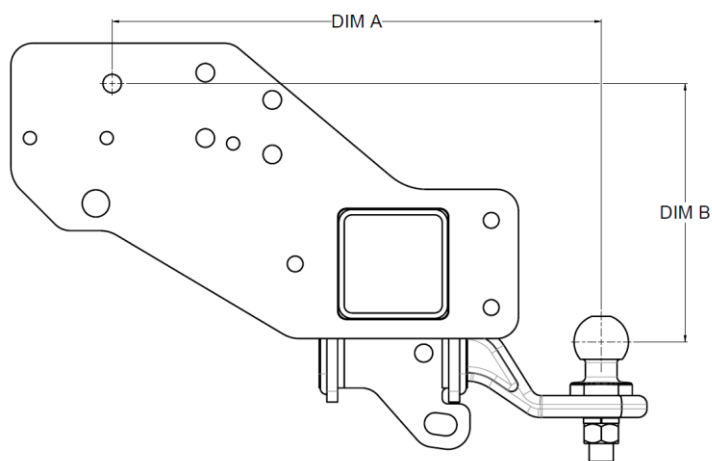


Fig. 2

PINTLE KIT CONFIGURATION	DIM A (mm)	DIM B (mm)
Standard Pintle	459	150
Combination Pintle (Fig. 1)	461	175
Forged Pintle	461	113
TBM + 50mm ball (Fig. 2)	450	237
TBM + 70mm ball	465	194



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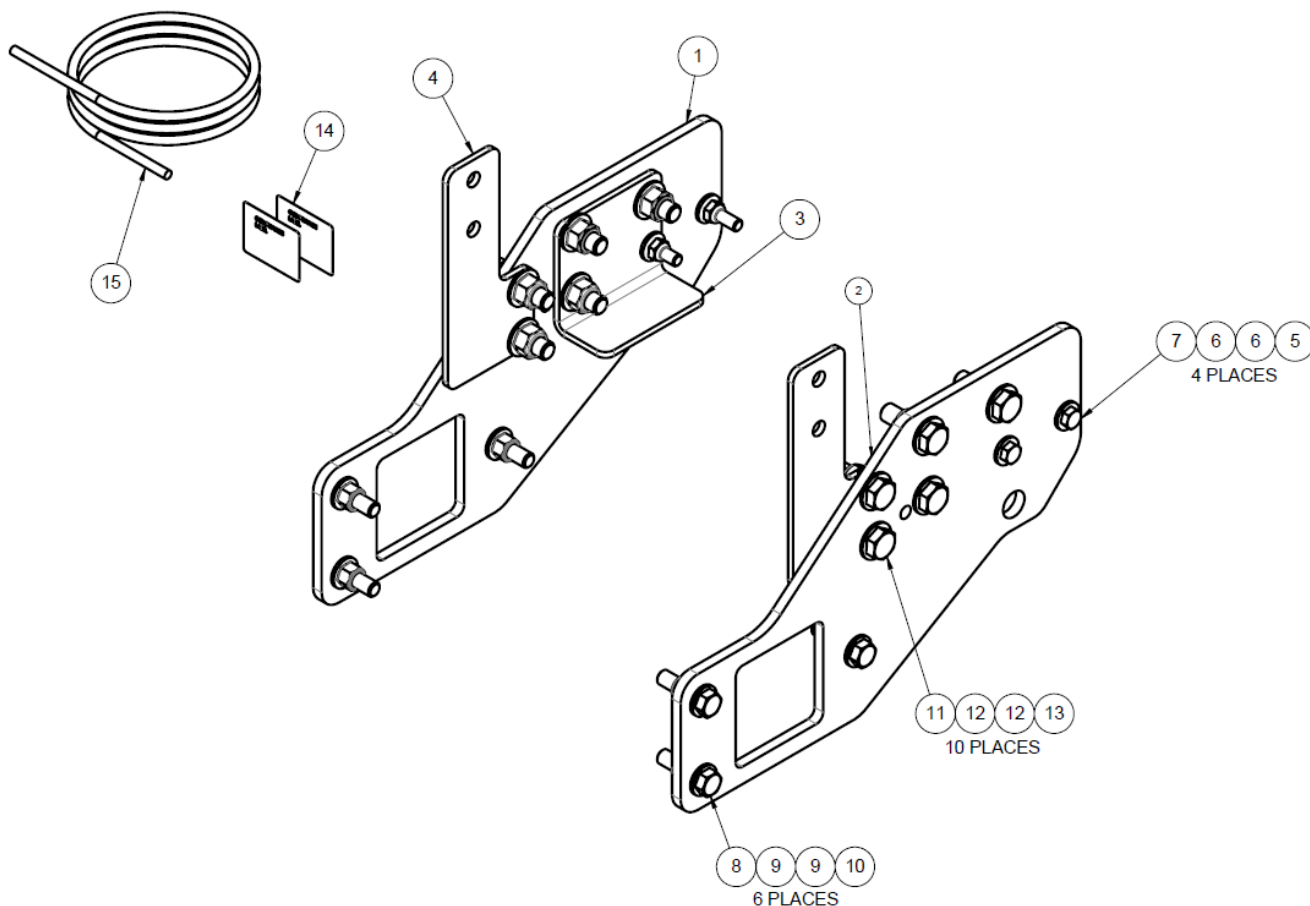
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TOWBAR ASSEMBLY DIAGRAM



ITEM	DESCRIPTION	QTY
1	IVECO DAILY SIDE ARM	2
2	CHASSIS PLATE RH	1
3	CHASSIS PLATE LH	1
4	TAIL PANEL BRACKET	2
5	NUT NYLOC M10 x 1.5P	4
6	WASHER M10	8
7	BOLT M10 x 50mm x 1.5P G8.8	4
8	BOLT M14 x 50mm x 1.5P G8.8	6

ITEM	DESCRIPTION	QTY
9	WASHER M14	12
10	NUT NYLOC M14 x 1.5P	6
11	BOLT M16 x 50mm x 2.0P G8.8	10
12	WASHER M16	20
13	NUT NYLOC M16 x 2.0P	10
14	COMPLIANCE LABEL	2
15	WIRING LOOM	1



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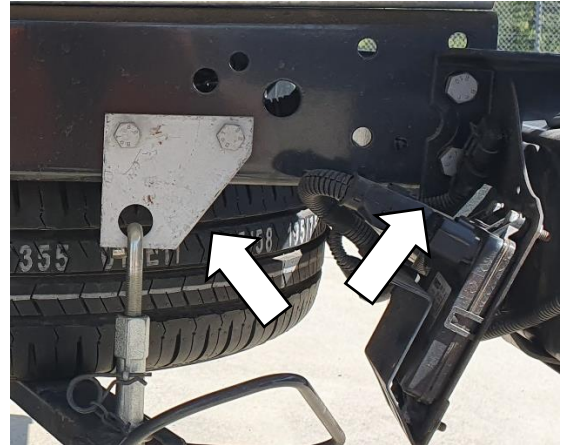
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FITTING GUIDANCE

Check contents of kit before commencing fitment.

CAUTION: This Towbar is intended to be fitted prior to any other accessory being installed (i.e. tray, truck body, etc.).

1. Remove the Tail Panel by unbolting 2 x M12 bolts on either side of the tail panel and retain.
2. Remove the spare tyre hook and discard bolts.
3. Remove the shipping hook (if fitted) and discard.

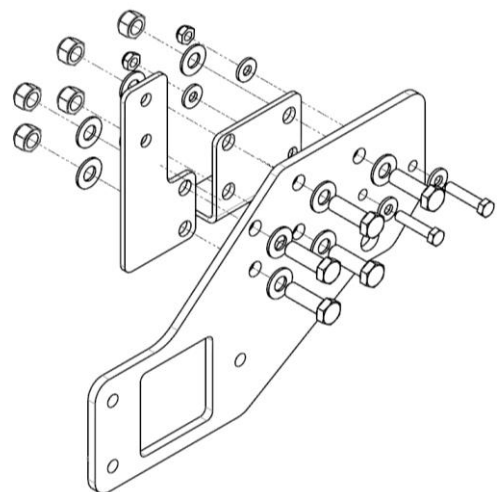


4. Loosely secure the RHS sidearms to the chassis rail, tail panel bracket and chassis plate using 5 x M16 bolts and 2 x M10 bolts, complete with 2 x washers and 1 x nut per bolt.

NOTE: tail panel bracket and chassis plate are inserted into chassis rail.

5. Relocate the tail panel by loosely securing to the tail panel bracket using the fasteners removed in Step 1.

Repeat for opposite side



6. **NOTE: Refer to fitting instructions for centre section assembly (not included).**

7. With 2 people, lift pre-assembled centre section (not included) up to sidearms and loosely secure with 6 x M14 bolts (3 per side), complete with 2 x washers and 1 x nut per bolt.

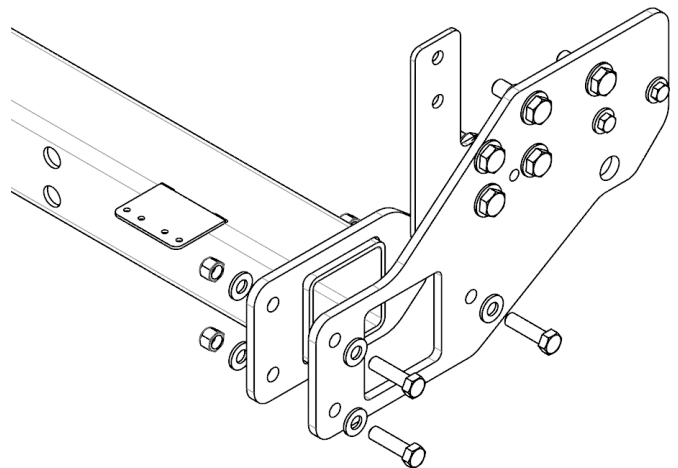
Torque fasteners as follows:

M10 x 1.5P = 44 Nm

M12 x 1.25P = 109 Nm

M14 x 1.5P = 140 Nm

M16 x 2.0P = 197 Nm





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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.

8. At the LHS rear of the chassis locate the vehicle trailer ECU.



9. Remove the trailer 12-way output blanking plug and discard.
10. Connect the trailer patch (P/No: 101346-WL) 12-way connector in to the ECU.





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11. Remove the indicated bolt and secure the trailer patch ground ring terminal.

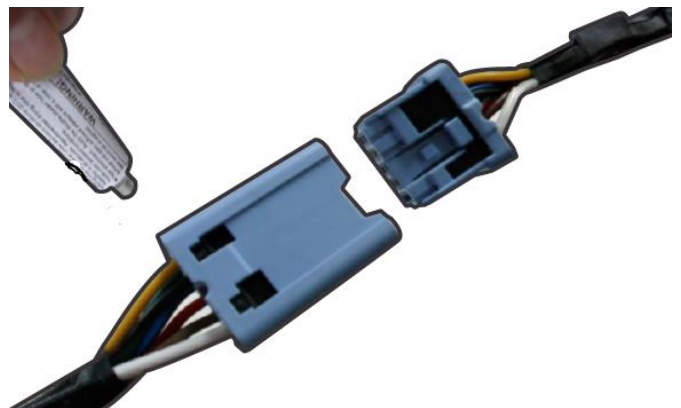
Note: You may need to remove some paint of the bracket to ensure a good connection. (spray some rust inhibitor once done).

12. Mount the trailer socket onto towbar mounting bracket using supplied fasteners.
13. Route the tail harness (tail length 1200mm) towards the trailer patch blue connector.



14. Connect the tail harness 8-way connector to the trailer patch 8-way mating connector.

Note: Waterproof the 8-way connector using silicon or electrical grease.



15. Test the trailer harness system using a lightboard or multi-meter.
16. Secure all harnesses using supplied cable ties.
17. Place fitting instructions in the glove box after fitment.



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 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.
2. 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.