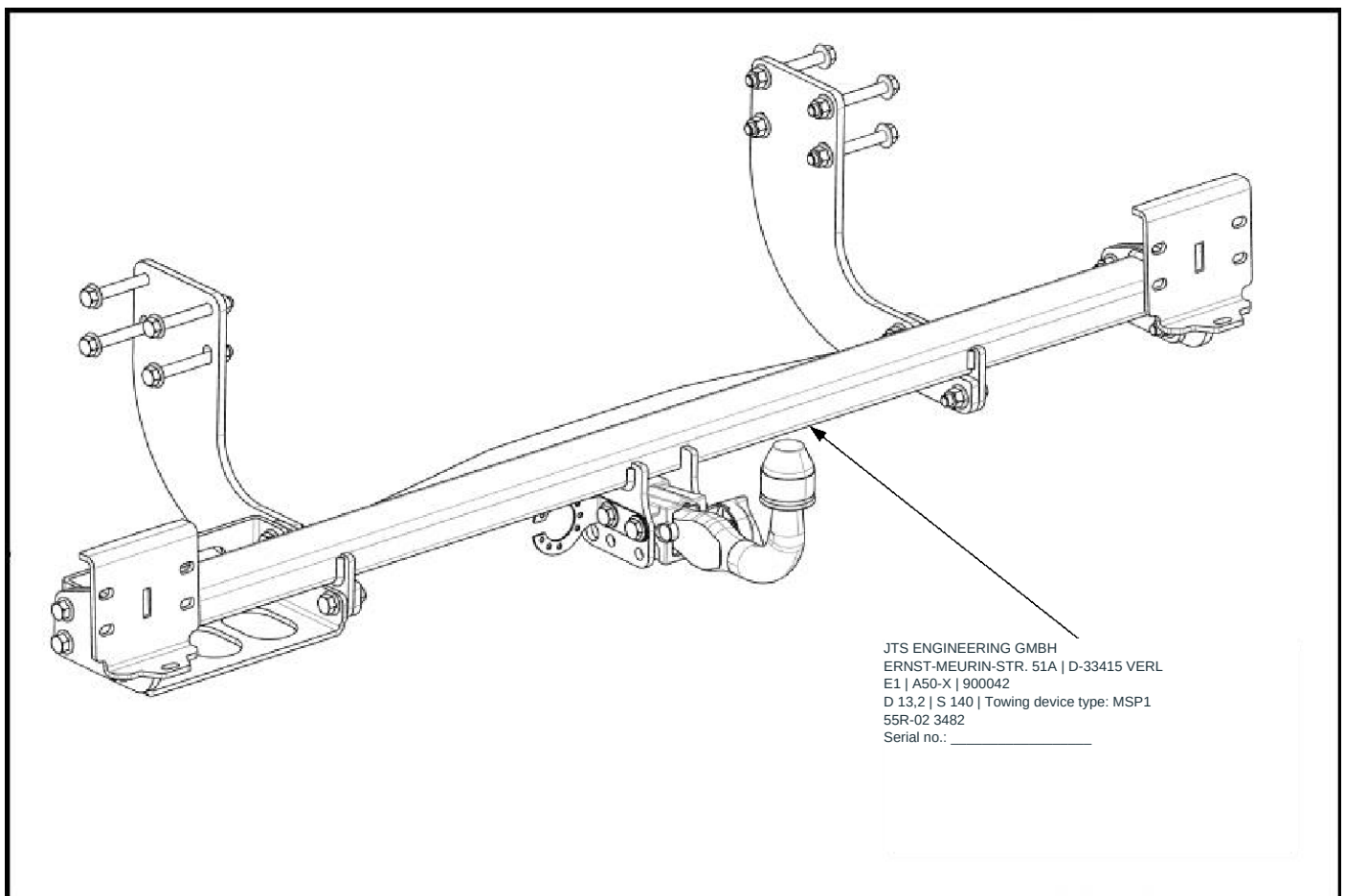


Installation instructions

Towbar

Mercedes Sprinter, model year 2018 onwards

MSP1-V1 | 900042 | W907 / W910



Minnid - A brand of Jopindo GmbH

Minnid
Jopindo GmbH
Massenheimer Weg 25
D-61352 Bad Homburg
www.minnid.com
www.jopindo.com

Installation and operation

Installation guidance

The towbar is a safety component and must be installed only by qualified personnel. Any modification or conversion is prohibited and invalidates the type approval.

Remove any insulating compound or underseal from the towbar mating surfaces on the vehicle. Seal bare bodywork and holes with anti-corrosion paint.

Operating guidance

After approximately 1000 km of towing, retighten all securing bolts to the specified torques.

Keep the towball clean and greased. When using a stabiliser such as AL-KO AKS, the towball must be free from grease. Follow the relevant operating instructions.

For safety reasons, stop using the towbar if the towball diameter is 49.0 mm or less at any point.

General information

For vehicle operation, follow the vehicle manufacturer's limits for trailer mass and vertical load. The limits of the towbar must not be exceeded.

The towbar is intended for towing trailers fitted with ball couplings and for supporting loads approved for attachment to the towball. Any other use is prohibited.

Adapt driving to the road conditions. Using the towing device changes the vehicle's handling. Follow the vehicle manufacturer's operating instructions.

On vehicles with parking sensors, the towball neck or towball may lie within the sensor detection area and cause malfunctions. In this case, adjust the detection area or deactivate the parking assistance. With detachable or pivoting towball necks, no malfunction is expected when the neck is moved out of its operating position.

The standard attachment points approved by the vehicle manufacturer are observed.

Observe national requirements for inspection and approval of the installation.

Keep these installation and operating instructions with the vehicle documents.

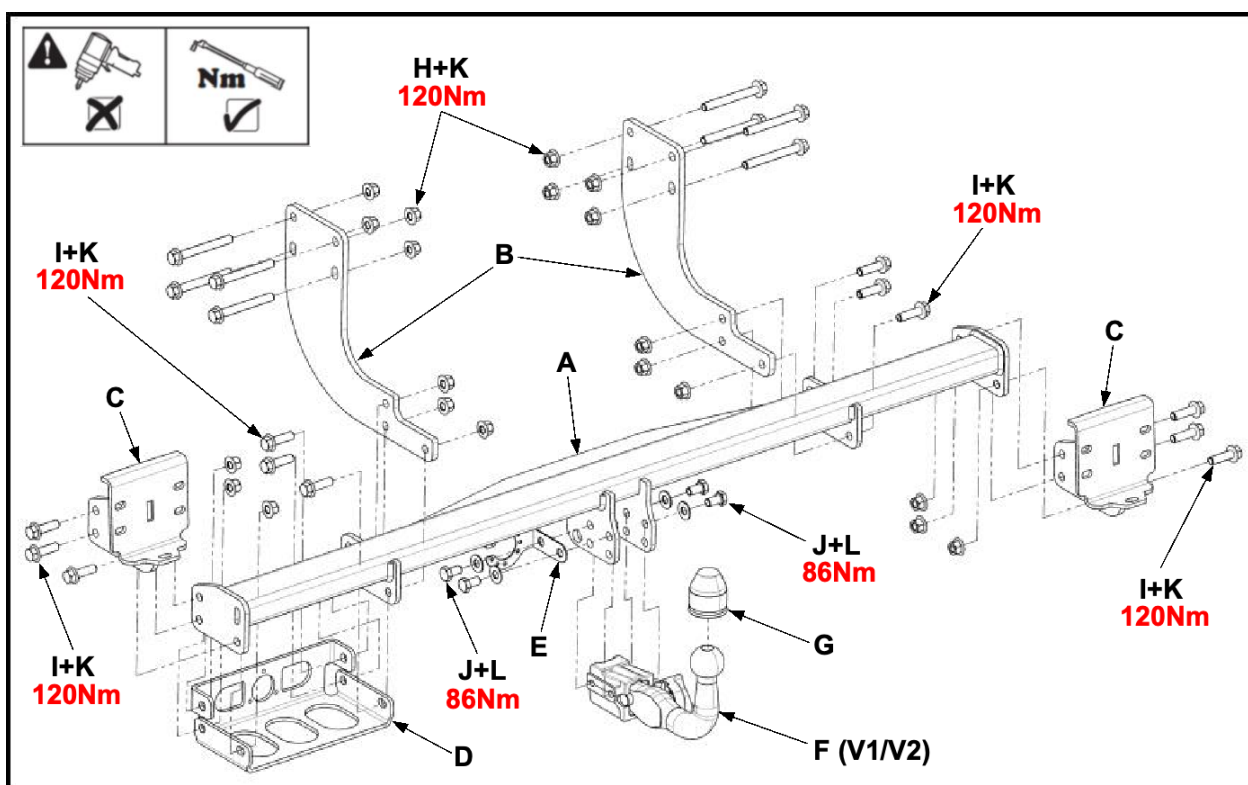
D-value calculation

$$D = (T \times C) / (T + C) \times 9,81 / 1000 \text{ [kN]}$$

T = maximum gross mass of the towing vehicle in kg

C = maximum permitted trailer mass in kg

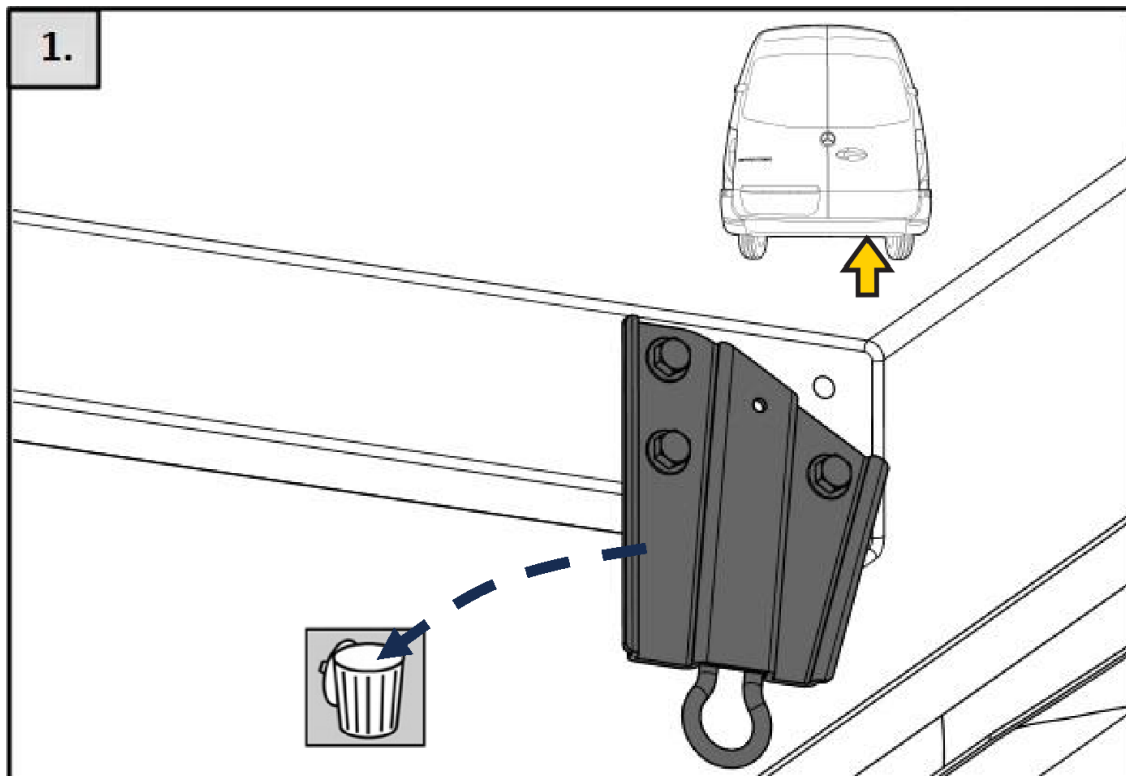
Scope of delivery



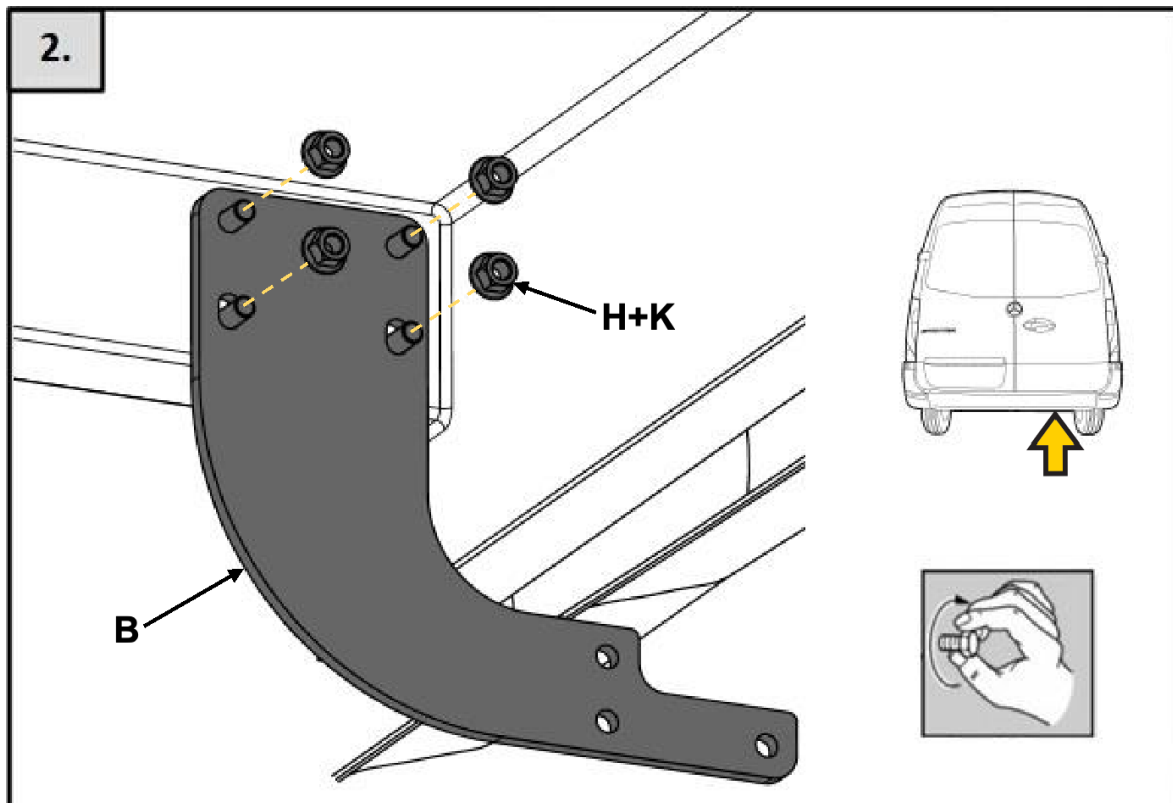
Item	Qty	Figure	Description
A	1		Crossmember
B	2		Side bracket
C	2		Minnid swivel-carrier mounting bracket
D	1		Reinforcement for Minnid swivel-carrier
E	1		Socket holder
F	1		Detachable towball neck with receiver V1 / V2 - optional
G	1		Protective cap
H	8		Bolt MBN10105 M12x1,5x100 (10.9)
I	12		Bolt MBN10105 M12x1,5x40 (10.9)
J	4		Bolt ISO4017 M12x22 (8.8)
K	20		Nut MBN13023 M12x1,5 (10)
L	4		Lock washer D12,4

Step 1-2

01 Remove and dispose of the existing towing eye and its bracket as illustrated.

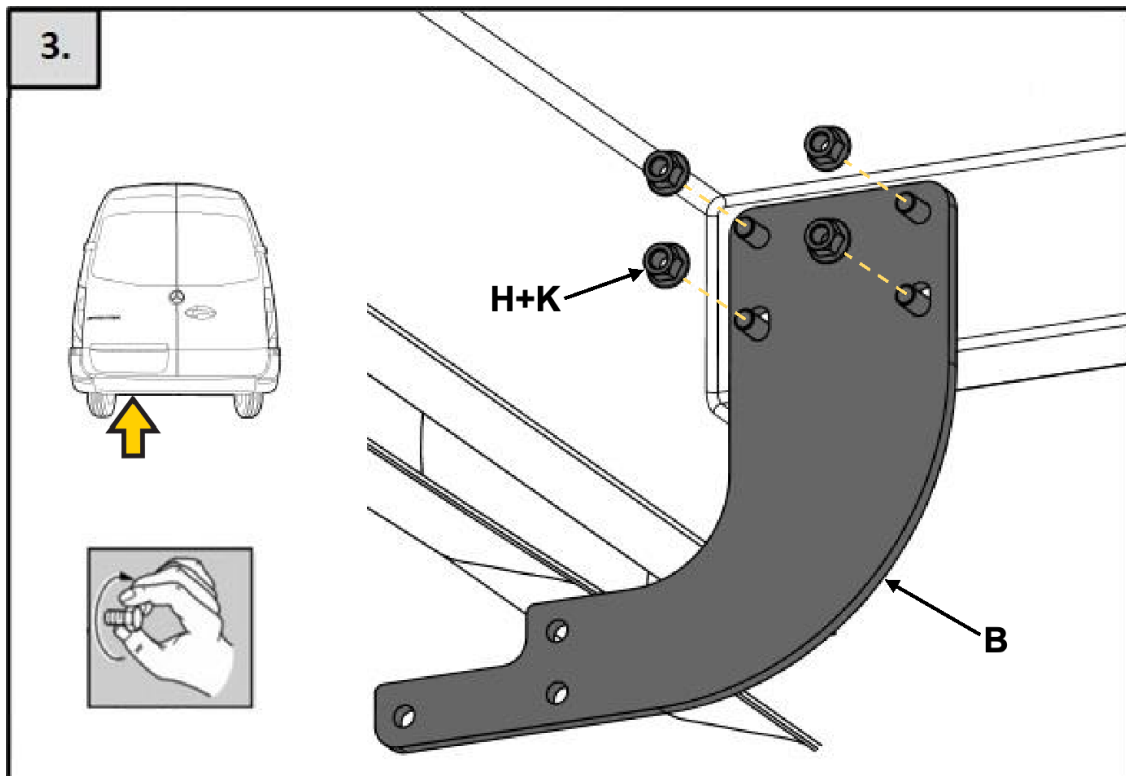


02 Fit side bracket B with bolts H and nuts K, initially hand-tight.

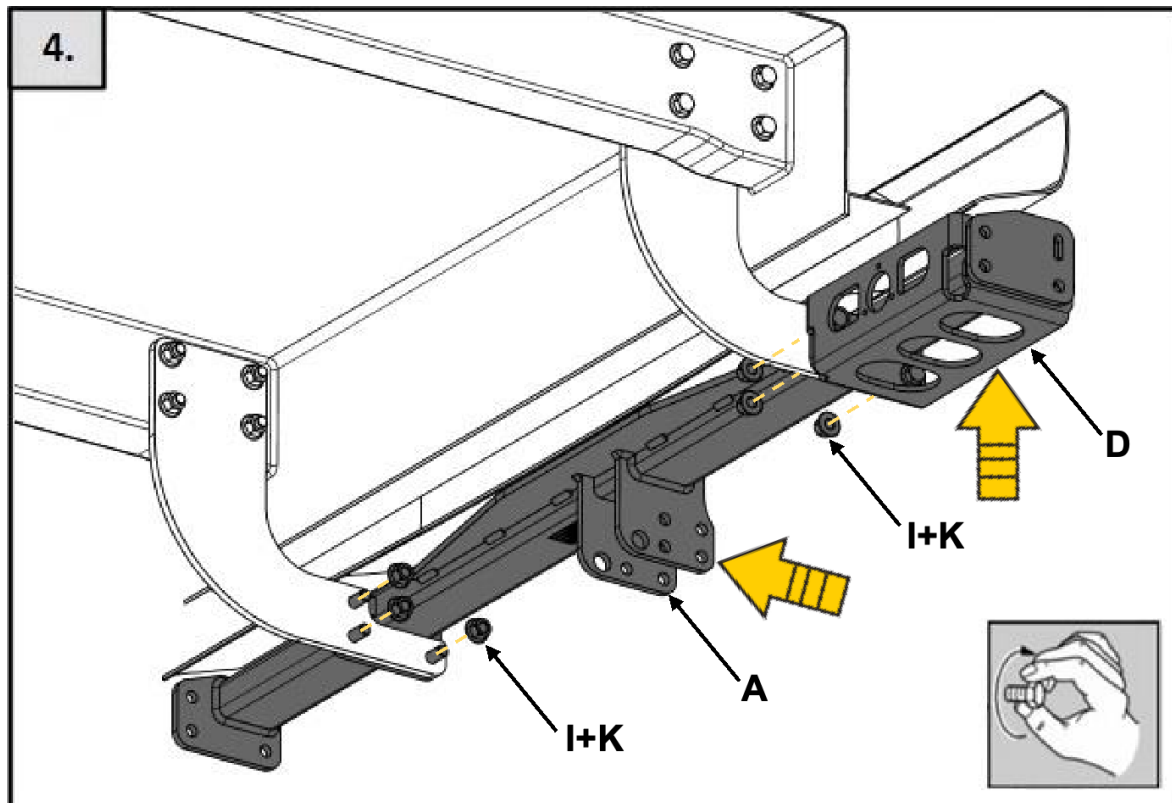


Step 3-4

03 Fit the second side bracket B with H and K, initially hand-tight.

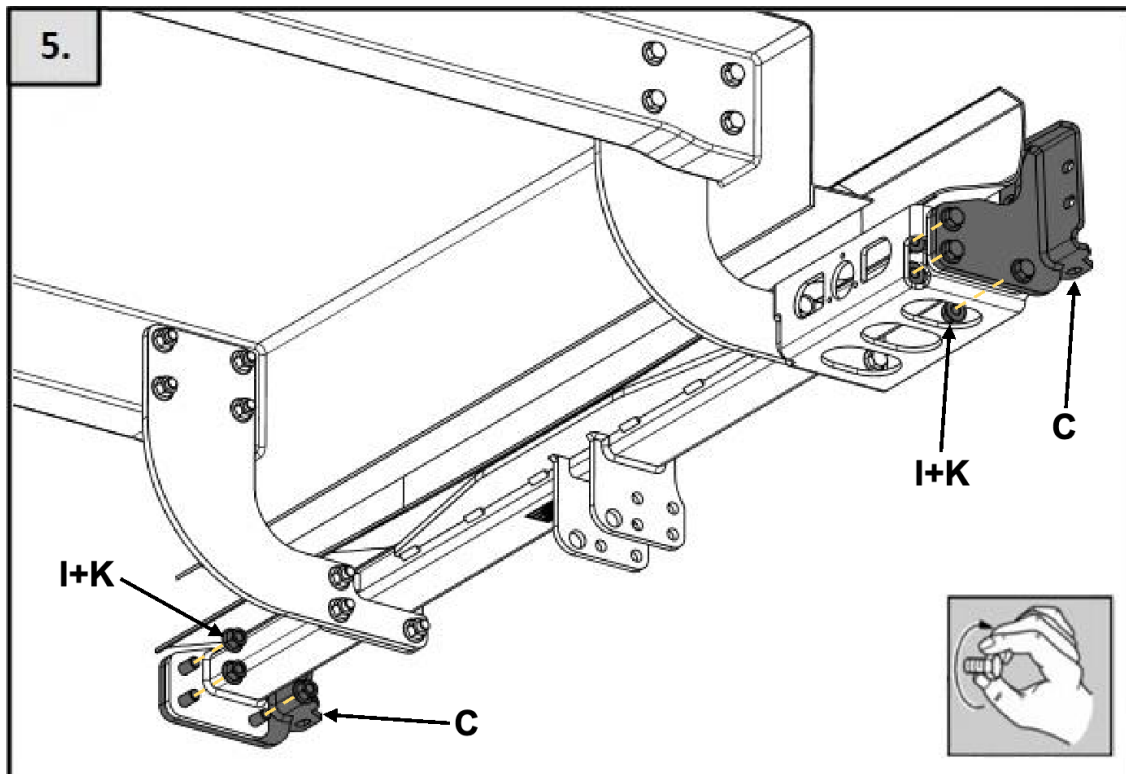


04 Fit crossmember A and reinforcement D with bolts I and nuts K, initially hand-tight.

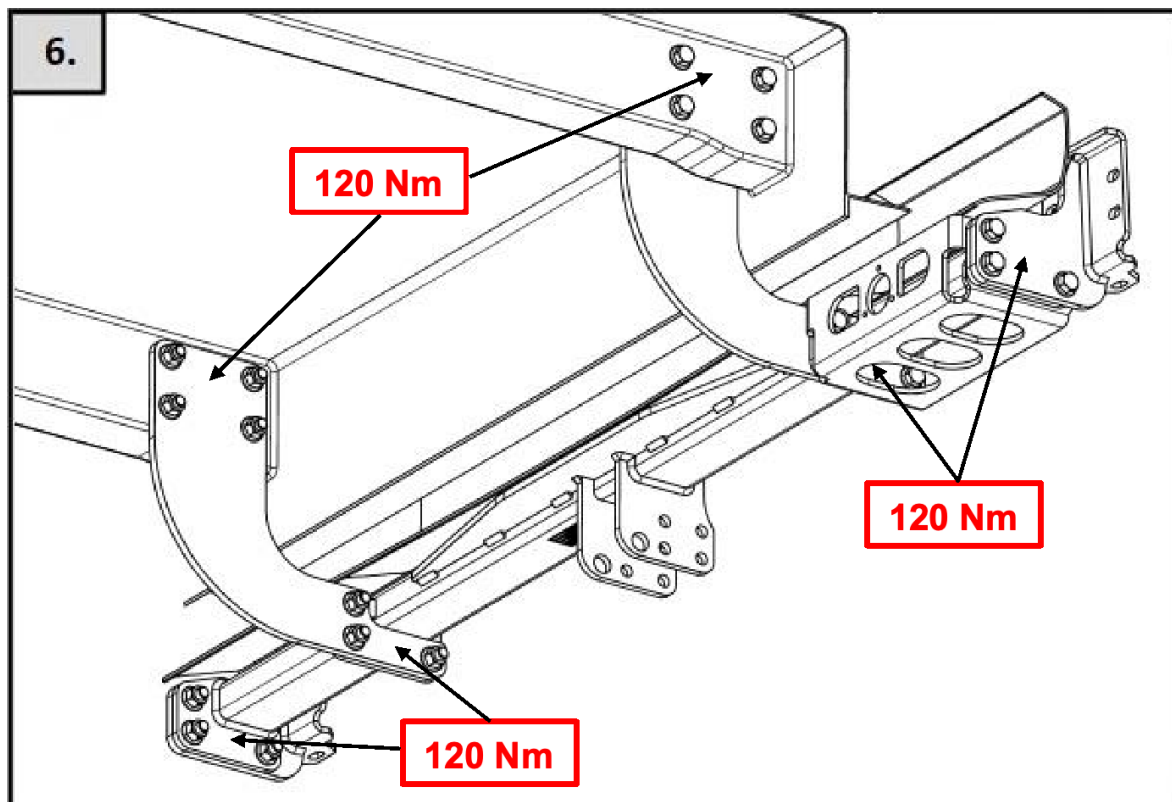


Step 5-6

05 Fit both swivel-carrier mounting brackets C with I and K, initially hand-tight.

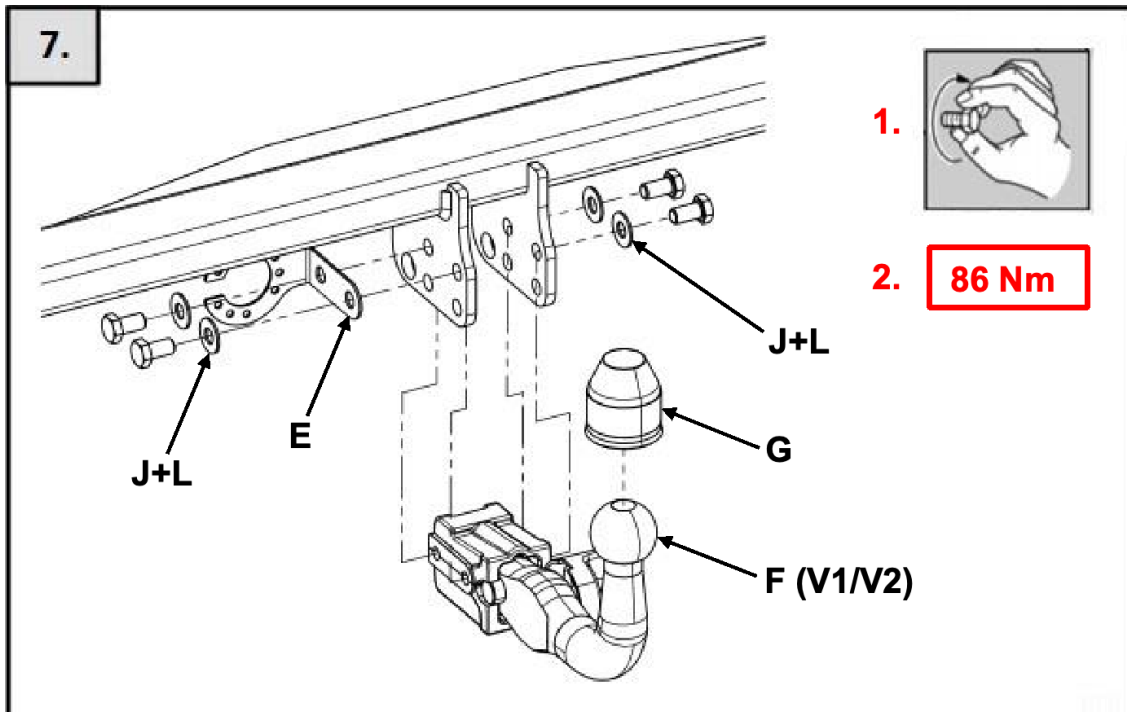


06 Tighten the marked bolted connections to 120 Nm.



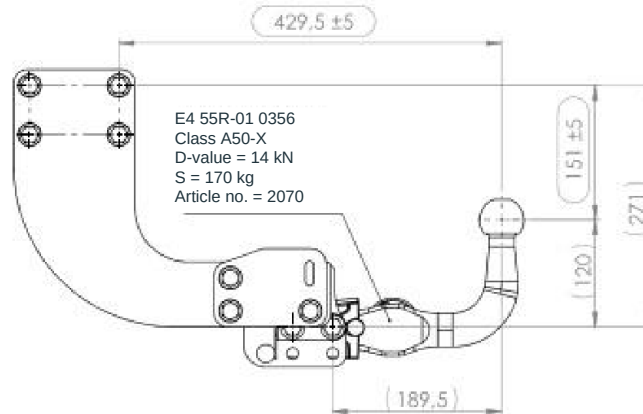
Step 7 | V1 / V2

Fit socket holder E and optional towball neck F (V1 or V2) with J and L. Tighten by hand first, then to 86 Nm. Note protective cap G.



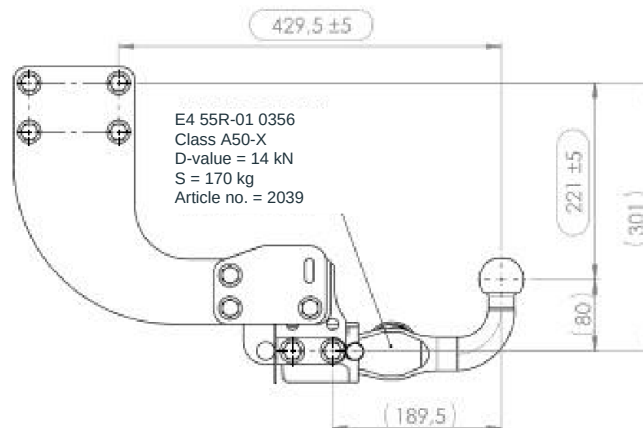
Order reference
AHK-J1X

V1



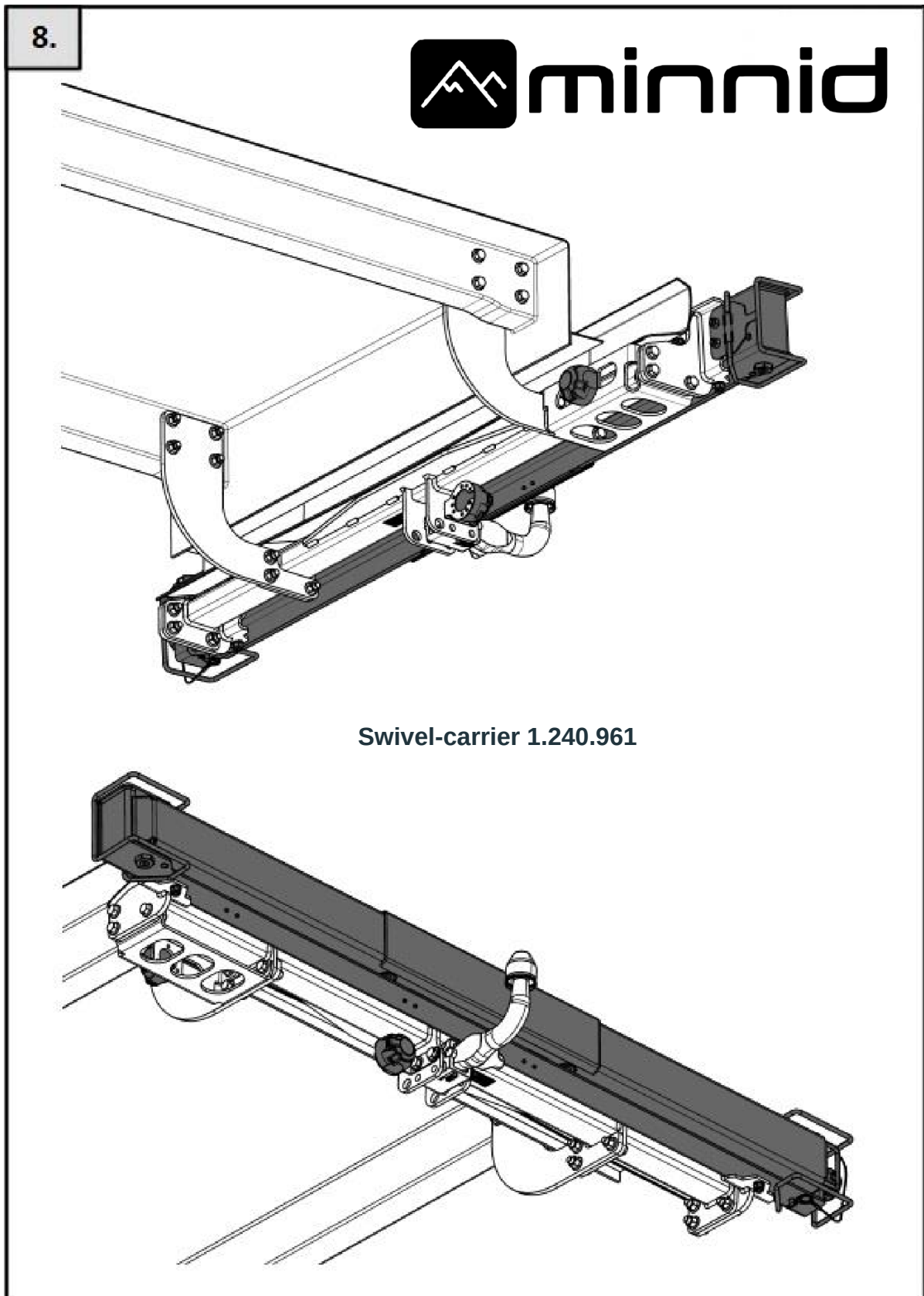
Order reference
AHK-J2X

V2



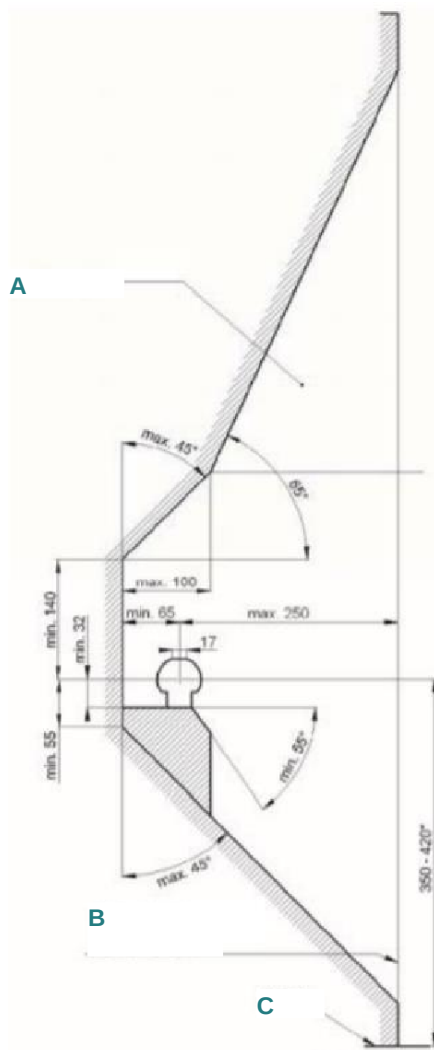
Step 8 | Swivel-carrier

Fit swivel-carrier 1.240.961 as illustrated.

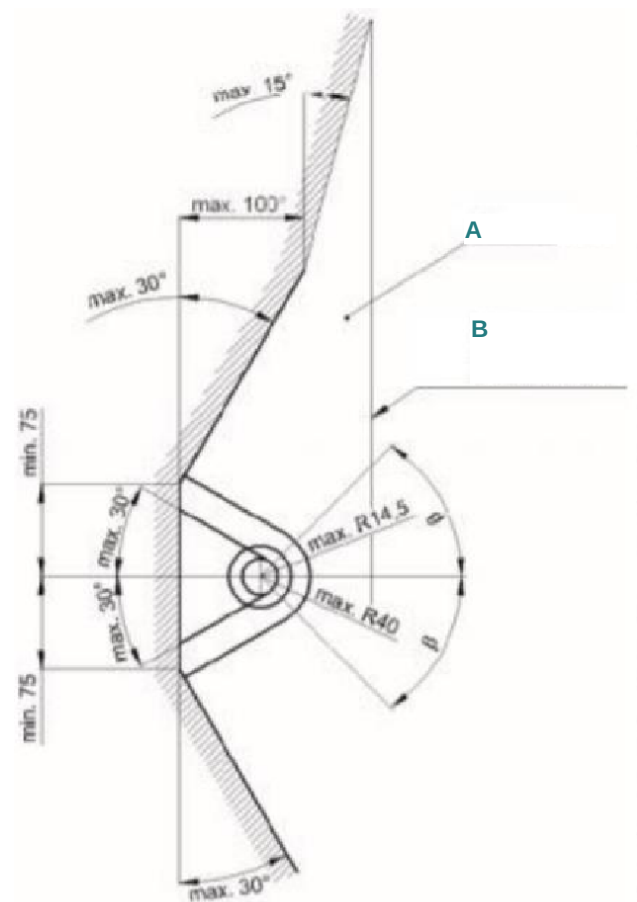


Towball clearance

Ensure the clearance required by Annex 7, Figures 25a and 25b, of ECE-R 55.



- A** Clearance space
- B** Vertical plane at the limits of the vehicle's overall dimensions
- C** Ground



* At the vehicle's maximum permitted gross mass.

Dimensions in mm; angles in degrees. Drawings are not to scale.

Installation declaration

Translated from the Italian form in the source manual.

Description	Towbar
Towing device type	MSP1
Vehicle	Mercedes Sprinter 2018-
Vehicle type	W907 / W910
Class	A50-X
Type approval	E1*55R02/02*3482*00
D-value	13,2 kN
Vertical load S	140 kg
Permitted width for caravans and T.A.T.S. trailers	2.45 m; see the towing vehicle registration document: vehicle width + 70 cm, rounded up to the next 5 cm (D.M. 28/05/85).
Permitted trailer mass	See the vehicle registration document.

To check suitability of the ECE-R 55 approved device for the vehicle, complete the following formula; reduce the permitted trailer mass if necessary.

Formula as printed in the source:

$$D = ((T \times C) / (T + C)) \times 0,00981 = 13,2 \text{ kN} < D$$

T = maximum gross mass of the towing vehicle in kg

C = maximum permitted trailer mass in kg

To be completed for inspection

The undersigned company declares that the following mechanical coupling device has been installed correctly and in accordance with the instructions of both the vehicle manufacturer and the device manufacturer.

Towing device type

.....

The specified device has been installed on the following vehicle:

Model

.....

Registration number

.....

Date

.....

Stamp and signature

It is further declared that the vehicle user has been informed about use and maintenance of the device.