






Van 'n Bike Original & All-in One model 2022 installation manual with partial approval E6*R03/03*0346*00 for Fiat Ducato, Peugeot Boxer, Citroën Jumper as from the 2007 year of manufacture and Vauxhall (Opel) Movano as from the 2022 year of manufacture.





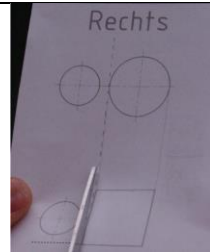

THE INSTALLATION MANUAL AND/OR VIDEO CAN BE OBTAINED ON SIMPLE REQUEST.

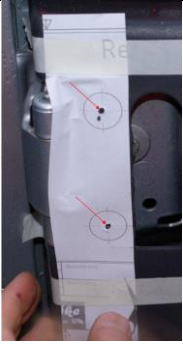




The Van 'n Bike carrier system may only be installed and mounted by adults of age who are sufficiently skilled for self-assembly, or who are recognized by the manufacturer. If deviations are found during assembly, they must be immediately notified to the manufacturer Van 'n Bike through the following channels:





TEL. +32(0)468/25.70.24 OR INFO@VAN-N-BIKE.BE


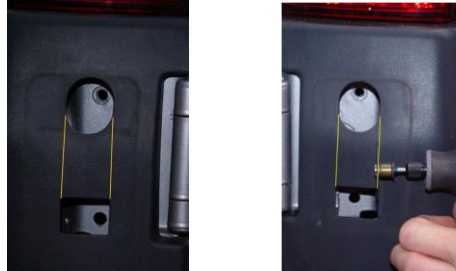

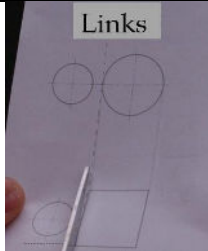

Adapter installation on the right at the top		Remark	Photo
A.	Open the box with the installation parts and organise all parts so that you can have a clear view of them.		
B.	Carefully remove the film from around the frame of the bike carrier rack.		
C.	Loosen the 2 bolts of the pivot on the right at the top.	Use a no. 13 socket spanner.	






D.	Pick up the parts for the adapter on the right at the top to assemble them.	<ul style="list-style-type: none"> • The adapter with a small ball bolt • The rounded part with 2 square holes • 2 M8 hexagon socket head cap screws with a length of 70 mm • 2 M8 washers with a diameter of 20 mm • 2 M8 spring washers • 2 black cover caps 	
E.	Assemble them in this sequence and install it as a whole on the right at the top.	<p>Do not yet fully tighten the bolts so that the unit can still move.</p> <p>To prevent possible corrosion, you can grease the body of the bolts (not the head and screw thread) with a fine brush.</p>	 



Adapter installation on the right at the bottom		Remark	Photo
A.	Remove the retainer on the right below the bumper.	Use the no. 6 Allen key or, if necessary, use the no. 13 socket spanner.	
B.	Use a straight edge to connect the left side of the round hole at the top with the left side of the square hole at the bottom. Draw this using a marker. Do the same with the right side of the holes. Cut and remove the section in-between the top round hole and the square hole at the bottom using the drawn lines.		  
C.	Cut the cutting surface to such an extent that you have the template for the right side and secure it using adhesive tape.	The dotted line must be aligned with the bottom side.	 


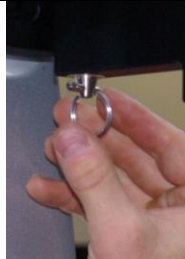
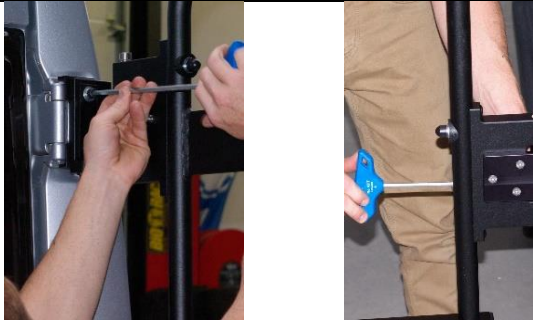
D.	Drill 2 small holes (3 to 4 mm) at the indicated places and remove the template.		
E.	Next, further drill the holes using a 20 mm hole saw.		
F.	You can remove the 2 bolts using a no. 13 socket spanner by using these 20 mm holes. You can squeeze these bolts in through the holes or have them drop down and remove them there.		
G.	Stick adhesive tape on the right side of the space where the adapter is at approximately 5 mm from the edge that you previously cut.		




H.	Secure the adapter for now using 2 M8 hexagon socket head cap screws with a length of 40 mm. Draw the top side and bottom side of the adapter on the adhesive tape.		
I.	Remove the bolts and the adapter. Also cut and remove this small strip.	The intention is to ensure that the adapter has more space to move right if required.	
J.	Again position the adapter in the space after the small strip has been cut and removed and again position the M8 hexagon socket head cap screws with a length of 40 mm with the thick washers and spring washers.	Do not yet fully tighten the bolts so that the adapter can still move to the left and right. 	

Adapter installation on the left at the bottom		Remark	Photo
A.	Remove the retainer on the left below the bumper.	<p>Use the no. 6 Allen key or, if necessary, use the no. 13 socket spanner.</p> <p>To prevent possible corrosion, you can grease the body of the bolts (not the head and screw thread) with a fine brush.</p>	
B.	Use a straight edge to connect the left side of the round hole at the top with the left side of the square hole at the bottom. Draw this using a marker. Do the same with the right side of the holes. Cut and remove the section in-between the top round hole and the square hole at the bottom using the drawn lines.		 
C.	Cut the cutting surface to such an extent that you have the template for the left side and secure it using adhesive tape.	The dotted line must be aligned with the bottom side.	 

D.	Drill 2 small holes (3 to 4 mm) at the indicated places and remove the template.		
E.	Next, further drill the holes using a 20 mm hole saw.		
F.	You can remove the 2 bolts using a no. 13 socket spanner by using these 20 mm holes. You can squeeze these bolts in through the holes or have them drop down and remove them there.		
G.	Stick adhesive tape on the left side next to the space of the adapter at approximately 3 to 4 mm. Cut and remove this 3 to 4 mm so that the space becomes slightly larger.		

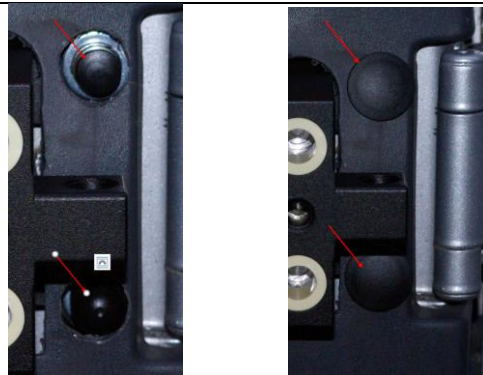
H.	<p>Position the adapter in the created space by tilting and squeezing it in slightly.</p> <p>Position the M8 hexagon socket head cap screws with a length of 40 mm with the thick washers and spring washers.</p>	<p>Do not yet fully tighten the bolts so that the adapter can still move to the left and right and up and down.</p>	
I.	<p>With regard to some vehicles, the adapter turns on the left side towards the vehicle when tightening the bolts. The adapter will then not be perfectly straight anymore when compared to the frame. This can be corrected by turning the 2 set screws. The set screws can be loosened at the front side of the adapter by using a long no. 3 Allen key. The holes to loosen the set screws can be found on the front side of the adapter: on the left side in the top and bottom corner.</p>		


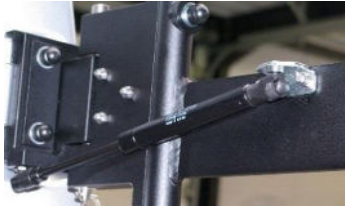






Installation of the bike carrier rack		Remark	Photo
A.	Secure the bike carrier rack using the supplied swing bars onto the adapters on the right at the top and under.	The best option is to do this with 2 persons. One person holds the bike carrier rack in its place while the other person positions the swing bars.	
B.	Secure the supplied locking washers in the holes at the bottom of the swing bars.	You can move the adapter up on the right at the top if required.	
C.	Close the bike carrier rack and arrange it in such a way that the 2 pins of the bar-guide stay are on the bike carrier rack at 1 to 2 mm above the holes of the left adapter. <u>Keep the following in mind:</u> By tightening the bolts of the adapter on the right at the top, the left side of the bike carrier rack will be slightly raised and therefore the 2 pins of the bar-guide stay too.	You can position the entire assembly by sliding the adapters into the required position. The adapter on the right at the bottom can only move to the left or right while the 2 other ones can be slid in all directions. To start, you can slide the adapters on the right side FULLY to the left and tighten them. This means you will find it easier to position the adapter on the left side (shackle). If required, you can again loosen the adapters on the right side, reposition them and again tighten them. Usually, the adapter on the right at the bottom is at the correct place and you need to slightly slide the adapter on the right at the top somewhat to the right.	





D.	<p>Once everything is positioned as required, you can tighten the bolts with a torque wrench up to 20 Nm. The torque wrench must comply with the calibration standard of the last valid version of the ISO 6789 standard or its subsequent versions.</p>	<p>The best option is to position the bike carrier rack in such a way that the 2 pins of the bar-guide stay are slightly higher than the holes (+/- 1 to 2 mm).</p> <p>When the bike carrier rack is loaded, these pins will be exactly in front of the holes.</p> 	 
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NOTE!!!



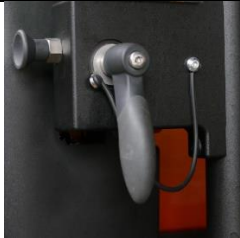

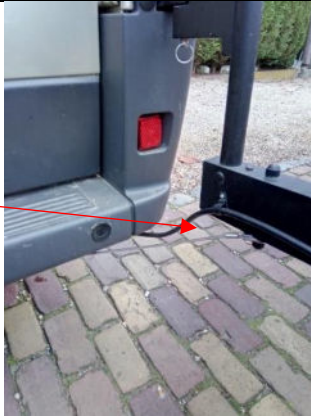
When tightening the adapter on the right at the top for the last time, ensure you push them up **so that the weight of the bike carrier rack is distributed over both adapters**. In due course: the top side of the adapter on the right at the top must be against the pivot of the bike carrier rack. If you do not do this, a small gap (1 to 2 mm) will remain and therefore the adapter on the right at the top will not carry any weight and the bottom adapter will carry all the weight.



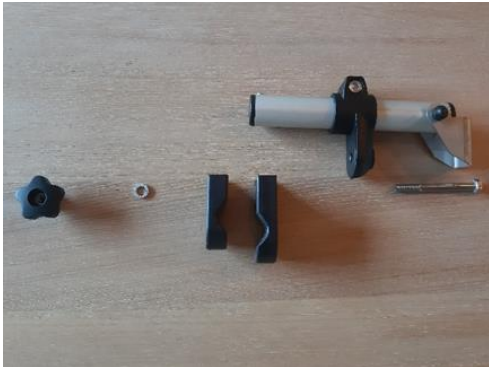



E.	<p>Add the bolts of the supplied caps.</p> <p>These caps will guarantee that the bolts are better protected against corrosion (rust).</p>	<p>The cover caps must be positioned on the bottom bolts of the bottom adapters and the bolts of the pivot on the right at the top.</p> <p>Next, cover the holes with a diameter of 20 mm that you drilled using the hole saw using the 4 supplied caps.</p> <p>For better adhesion, make a few notches on the inside of the caps and, next, install them using adhesive (TEC 7 Xtack type)!</p>	
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F.	Install the gas spring on the right at the top on the provided adhesion points between the adapter on the right at the top and the bike carrier rack.	Install the gas spring with the thick part on the side of the bike carrier rack and the thin side on the side of the adapter.	 
G.	Screw the lock pin in the provided hole on the bar-guide stay of the bike carrier rack (left side) and tighten it.		 
H.	Secure the M10 shackle lever using the lock cable on the bolt at the front of the bar-guide stay.		
I.	Installing the tow bar on the frame with the plug holder at the back. Use the supplied bolts M16 and tighten them with a torque wrench up to 210 Nm. The torque wrench must comply with the calibration standard of the latest valid version of ISO 6789 or its successors. (not applicable to Van 'n Bike All-in One – see further page 19)		 

Connecting the electricity and lights		Remark	Photo
A.	Install the 2 cable guides in the provided holes using the supplied screws.		
B.	Position the fixed 13-pole plug on the plug connection using the 3 supplied bolts and nuts. Position the plug connection at the provided location on the rear side of the bottom tube and feed the cable into the 2 cable guides to the right bottom side of the bumper.		
C.	Secure the cable further along on the bottom of the bumper by using the supplied clamps or possibly by using straps.		
D.	<p>Install the supplied JOKON lighting set with approval certificate on the bottom horizontal tube of the Van 'n Bike bike carrier rack.</p> <p>The lighting set that can be used on Van 'n Bike bike carrier racks has European partial approval number E6*R03/03*0346*00.</p>	<p>With the Van 'n Bike All-in One, the lighting on the Van 'n Bike carrier rack must always be on! With the Van 'n Bike Original without a load (so without a bike carrier on it) this lighting must also be on! The plug for the lighting set must, in that case, be connected to the female plug of the Van 'n Bike carrier rack so that the lights can work normally. When installing a bike carrier on the Van 'n Bike Original, the plug for the lighting set must be removed from the female plug and must be replaced by the plug of the bike carrier so that the lights of the bike carrier normally.</p>	

<p>E.</p>	<p>Remove the nuts and serrated washers from the rear of the rear lights. Rotate the spacers at the back of the rear lights. Insert the rear lights with the spacers through the respective holes in the bottom horizontal tube. Install the black plastic washer, knurled washer and nut. Tighten. NOTE: MAX 1 Newton. Place the black cover on the nut. Place the 3 cable guides on the right side and secure all cables in the cable guides.</p>	 	 
<p>F.</p>	<p>The lights must be positioned as indicated on the figure.</p>		

Finish		Remark	Photo
A.	Again check the installation and all fastening points.		
B.	Stick the supplied “DO NOT OPEN MORE THAN 90°” label on the inside of the right rear door next to the button that allows you to open the door more than 90°.	IF THE BIKE CARRIER RACK IS SECURED TO YOUR VEHICLE, NEVER OPEN THE RIGHT DOOR MORE THAN 90° TO ENSURE YOUR VEHICLE IS NOT DAMAGED.	
C.	Position the yellow warning card at the front in your camper van so that it is noticed upon leaving.		
D.	ALWAYS POSITION THE SHACKLE LEVER AT THE PROVIDED PLACE AND TIGHTEN IT MANUALLY BEFORE DRIVING OFF.	Also consult the user manual with safety instructions.	
E.	Position the supplied stainless steel security cable by securing the bracket with the bow shackle to the towline anchorage of the vehicle. Adjust the bracket to such an extent that it fits well around the towline anchorage and does not start to rattle when you drive. Next, secure the stainless steel cable to the provided attachment point on the right at the bottom of the Van 'n Bike bike carrier rack.		

F.	Position the supplied square behind the bumper and fasten it using the supplied M5 bolt to the adapter on the left at the bottom.	This square acts as extra security. In the event of a breakage of the closing piece, as a result of a collision, this hook will hold the closure together as well as possible.	
Van 'n Bike frame holder installation <i>(not applicable to Van 'n Bike All-in One)</i>		Remark	Photo
A.	Install the Van 'n Bike frame holder. Parts: <ul style="list-style-type: none"> • Frame holder with mounting bracket • M8 hexagon screw • 2 black grippers • 1 Nord Lock washer • 1 star knob • 1 black cover cap 	The Van 'n Bike frame holder is an extra connection between the Van 'n Bike frame and your bike carrier rack. (n.v.t. op Van 'n Bike All-in One) 	
B.	Insert the supplied bolt through the hole of the mounting bracket. Next, fasten this completely in the hole with thread in the centre of the top horizontal tube of the Van 'n Bike. Tighten it with a no. 13 spanner and position the black cover cap on the bolt's head.	When you tighten, you can choose to position the frame holder higher or lower by turning the mounting bracket half a turn. <div style="display: flex; justify-content: space-around; align-items: center;">  <div>OR</div>  </div>	

C.

The position of the clamp with “grippers” can be changed by sliding it forwards or backwards over the tube of the frame holder.

Use a no. 6 Allen key to loosen and tighten.

The clamp with “grippers” can also be turned upwards.



You can also remove the clamp from the tube and turn it around with the star knob pointing to the inside.

You can therefore adjust the position of the clamp in various ways on the bike carrier that you are installing on the Van 'n Bike.

When the correct position has been determined, you can position the clamp with “grippers” around the bracket of the bike carrier and tighten it by using the star knob.

D.

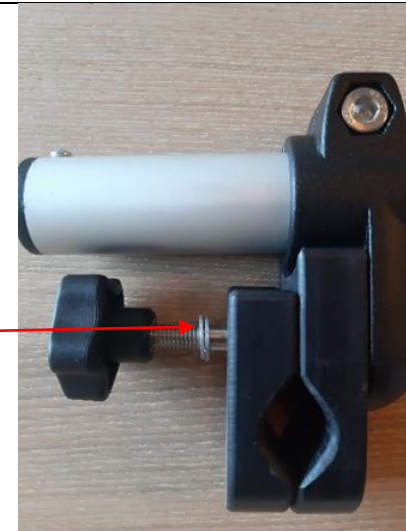
ATTENTION!!!!!!!!!!





There are "Nord Lock" locking washers on the star knob. They must always be secured onto the star knob so that they cannot vibrate free when driving.








The Nord Lock locking washers consist of 2 disks that must be installed with the inside towards each other. You can see the inside of the washers on the photo below.







You can see the outside of the washers on the photo below.



Installation All-in One bike carrier		Remark	Photo
A.	<p>Open the box with parts “All-in One” and arrange them clearly.</p> <ul style="list-style-type: none"> • 1x license plate holder with relief • 4 x bolt M10 • 4 x sleeve with collar • 4 x washer M10 • 4 x lock nut M10 • 4 x cover cap M10 • 2 x flange screw M6 • 1 x plastic screw M8 • 1 x short spacer • 1 x long spacer 	<p>The All-in One bike carrier is already assembled in the box.</p> 	
B.	<p>Insert the 4 M10 bolts into the holes provided on the All-in One bicycle carrier. 2 above - and 2 below.</p>		
C.	<p>Fasten the bicycle carrier with bolts on the top horizontal tube of the Van 'n Bike frame.</p>	<p>First remove the caps from these holes on the horizontal ducts, if necessary. Fully open the Van 'n Bike frame.</p>	

D.	<p>Slide the 4 x sleeves with collar at the rear of the frame over the M10 bolts. 2 above - and 2 below.</p>	<p>sleeve with collar fitted</p> 	
E.	<p>Slide the 4 washers M10 over the 4 bolts. Then close with the 4 M10 lock nuts. Do this both for the top and bottom horizontal tube. Tighten with a torque wrench to 49 Nm.</p>	<p>The torque wrench must comply with the calibration standard of the latest valid version of ISO 6789 or its successors.</p> 	<div> <p>washers</p>  </div> <div> <p>lock nuts</p>  </div>
F.	<p>Finally, place the 4 caps over the lock nuts.</p>		

G.	<p>Fasten the license plate holder with the 2 M6 flange screws.</p> <p>Click the plug of the license plate holder into the plug of the left tail light.</p> <p>Secure the electrical cable to the rear of the lower horizontal duct with the cable guides.</p>	<p>Make sure the top of the license plate holder is flush with the top of the lower horizontal tube.</p> <p>You can hide the excess cable in the lower horizontal tube by cutting a slit in the rubber grommet.</p>	
H.	<p>Placement of spacers on the Van 'n Bike frame:</p> <p>Remove the rubber washer from the spacer mounting bracket.</p> <p>Cut this ring in half and slide it onto the brackets of the Van 'n Bike frame at the desired location.</p>	<p>The short and long spacers should be fitted when the All-in One is loaded with bicycles. If the All-in One bicycle carrier is unloaded and/or closed, the spacers must be removed.</p> 	 
I.	<p>Screw the plastic screw M8 into the hole in the center of the middle horizontal tube to seal it.</p>		

J.	The Van 'n Bike All-in One is ready for use!	<div data-bbox="722 82 787 115">open</div>  <div data-bbox="1087 82 1173 115">closed</div> 	
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