



The Perfect Line of Fiber Art!

INSTALLATION MANUAL HARDTOPS



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FOREWORD

Thank you and congratulations on your canopy purchase.
We hope that you will enjoy your canopy for a long time.
You have purchased a product in which our years of experience and love to pickups is packed and we want you to have fond memories of the purchase from us.
For this reason, we urge you to read the assembly instructions carefully in advance and to carefully adhere to all points.

Your canopy is not a dime item and accordingly, even if the implementation is not too complicated, you should carefully assemble and invest the time it takes.

If you have any questions during installation, we are always there for you by phone or email.

Our technicians are trained to clear up all lack of clarity over the phone in an easily understandable way, so please use this service.
When manufacturing your canopy, a great many people performed a wide variety of work steps by hand. There are no robots or computer-controlled machines in the production processes.
All employees work hard every day and it takes a certain amount of passion to be able to manufacture these products in this way.

We ask you to consider the smallest deviations in relation to tolerances on your product, which machines could perhaps do better than humans.
With your purchase, these people will be valued and we thank you for that!



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INSTALLATION MANUAL CANOPIES

- Unpack the canopy carefully - do not use any sharp tools such as knives.
- Tape the narrow foam rubber sealing tape contained in the assembly set to the front drop side and allow it to overlap by approx. 4 cm on each side of the top edge of the tail lift. If your front drop side is not level with the side tail lifts, apply the first layer to create the same height on the sides and then overlap the second layer as described.
- Now tape the wide foam rubber sealing tape flush on the inside of the side loading platform. Cut the foam rubber sealing tape at the rear ends towards the tailgate in the shape of the upper edges of the tail lift.
- If necessary, silicone any gaps on the inside between the front drop side and the side tail lifts of your vehicle.
- *Now lift the canopy onto the upper edge of the tail lift and carefully set it down*
Make sure the wiring harness is inside and not pinched.
- Align the canopy parallel to the upper edge of the side of the tail lift.
- Make sure to leave a minimum distance between the canopy and the body of at least 7 mm at the rear.
(Picture 1) and (Picture 2)



Picture 1



Picture 2



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- Now carefully and slowly open the rear door window and check the distance between the top of the window and the hardtop during the opening process. While doing this, hold the door firmly during the opening process until the end position is reached. If, contrary to expectations, the distance is so small that there is a risk of the door touching the canopy, pull the door slightly away from the canopy during the opening process and then immediately read **Point A** of these assembly instructions.
- Now close the rear door window and check whether the window is resting evenly on the left and right with enough pressure to prevent the vehicle's tailgate from opening, but not so tightly that the window can burst due to excessive tension.

Please note that the rear door window is preset at the factory, but it may be necessary to readjust the adjustable parts of the lock and the rear window for a clean closure. The instructions for this can be found from Point A.

- Then attach the clips in the following order (**Picture 3**):
 1. At the front, towards the front drop side, first side - half tighten
 2. At the front, towards the front drop side, opposite side - tighten halfway
 3. Center, first side - half tighten
 4. Center, opposite side - tighten halfway
 5. At the rear, towards the rear window, half-tighten the first side
 6. At the rear, towards the rear window, opposite side - tighten halfway
 7. *In the case of an Extra-Cab with 4 brackets on each side, start with the front brackets as well*

Then tighten the clamps alternately again, starting from the direction of the front drop side. The maximum torque is 9 Nm.

TIP: Since the inside edges of the tail lift are very thin, we recommend tightening according to the sighting principle. The clamp is tight enough when it cannot be moved by shaking it with your hand.



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Picture 3

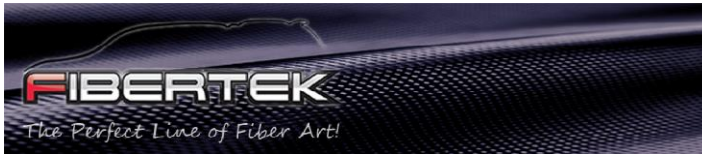
This ensures that the canopy is pressed evenly onto the upper edges of the tail lifts and that there are no one-sided tensions.

Please note that the canopy will "set down" on the foam rubber for the first 12 hours.

Avoid applying strong force such as emergency braking during this time.

It is essential to check the clamps and retighten them after this period of time!

It is necessary to check the tight fit of the clamps at least every 1500km.



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Due to the transport, we do not completely tighten the total of 6 screw connections per hinge on the rear door window, otherwise damage can occur on the shipping route. Please carefully tighten the self-locking nuts on the glass side and firmly tighten the 4 nuts on the underside of the hinge (each with a snap ring).

- A. You can change the position of the rear window by loosening the screws on the top two hinges. (Picture 4)

To do this, please remove the dampers beforehand to take pressure off the glass.

With the two screw connections on the glass side, the window can be moved up or down (refers to the closed state).

Please carefully tighten the self-locking nuts on the glass side.

With the two canopy-side screw connections (Picture 4), the window can be moved to the left or right, or also inwards or outwards (refers to the closed state).

Tighten the nuts securely.

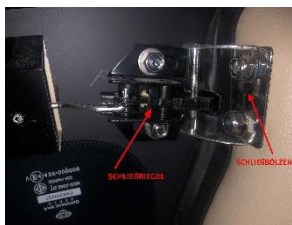
Please note that after the dampers have been attached, the window is approx. 2-3mm closer to the canopy and there has to be enough space to open the window without the glass touching the canopy.

Please also note that if the position of the window is changed, the locks must be adjusted.

After removing the protective cover, the side locks (Picture 5) can be adjusted in their position by loosening the 2 nuts. The locking bars are attached to the lock cylinder on a threaded rod. By turning clockwise or counterclockwise (Picture 6), the length can be changed and thus the locking and unlocking of the locks can be adjusted.



Picture 4



Picture 5



Picture 6



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Connections of wiring according to car brands

VW AMAROK 2010+

To connect the wiring harness, open the driver-side's approx. 2.5 cm Ø plastic cover on the inside of the tail lift to the rear light. This may have to be expanded a little.

- Loosen the rear light at the 2 screw connections.
 - Loosen the VW plug from the rear light.
 - Guide the supplied cable harness with the cable connectors through the opening.
 - Connect the cables of the canopy cable harness to the cables of the VW connector as follows (**Picture 7**):
- Black cable (Ground) – Brown Amarok
 - Red cable (3.brake light) – Black-Red Amarok
 - Fasten the socket with 2 metal screws and now connect the plugs.



Picture 7



Picture 8

For the connection to the central locking, connect the Yellow cable (CLOSE) with the Yellow cable of the cable harness contained in the assembly set and the Green cable (OPEN) with the Green cable. Use the cable clamps to connect the other end of the Yellow cable to the Yellow cable of the AMAROK and the Green cable to the White cable of the AMAROK.*

This connector is located between the rear wheel arch on the driver's side and the rear (**Picture 8**). With the Fleetranner model, the power supply cable must also be connected to the vehicle battery.

***In older models, the VW cable for (CLOSE) is Purple and the cable for (OPEN) is Brown.**



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NISSAN NAVARA D40 2006-2015

In order to insert the supplied metal plug in the load compartment wall, an approx. 2.5 cm large opening is required on the inside of the side tail lift to the rear light in which the canopy cable comes outside. In principle, however, this is not necessary for connecting the wiring harness. You can also put the cable through an existing gap between the inside edge of the tail lift and the rear light.

- Loosen the rear light at the 2 screw connections.
- Guide the supplied cable harness with the cable connectors through the drilled hole or through the existing gap.
- Connect the cables of the canopy harness to the cables of the NISSAN wiring harness as follows (**Picture 9**):

- Black cable (Ground) – Black-White Nissan taillight
- Red cable (3. brake light) – Green-Yellow Nissan taillight
- Fasten the socket with 2 metal screws and now connect the plug.



Picture 9



Picture 10

For the connection to the central locking, connect the Yellow cable (CLOSE) with the Yellow cable of the wiring harness contained in the assembly set and the Green cable (OPEN) with the Green cable. Use the cable clips to connect the other end of the Yellow cable to the Thick-Purple cable of the D40 and the Green cable to the Thick-Brown cable of the D40.

This connector is located under the front door sill strip on the driver's side (**Picture 10**).



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NISSAN NAVARA NP300/D23 2016+

In order to insert the supplied metal plug in the load compartment wall, an approx. 2.5 cm large opening is required on the inside of the side tail lift to the rear light in which the canopy cable comes outside. **(Picture 11)**

In principle, however, this is not necessary for connecting the wiring harness. You can also put the cable through an existing gap between the inside edge of the tail lift and the rear light.

- Loosen the rear light at the 2 screw connections.
- Guide the supplied cable harness with the cable connectors through the drilled hole **(Picture 11)** or through the existing gap.
- Connect the cables of the canopy harness to the cables of the NISSAN wiring harness as follows **(Picture 12)**:

- Black cable (Ground) – Green-Black Nissan taillight
- Red cable (3.brake light) – Green-White Nissan taillight
- Fasten the socket with 2 metal screws and now connect the plug.



Picture 11



Picture 12



Picture 13

For the connection to the central locking, connect the Yellow cable (CLOSE) with the Yellow cable of the cable harness contained in the assembly set and the Green cable (OPEN) with the Green cable. Use the cable clips to connect the other end of the Yellow cable to the Beige cable of the NP300 and the Green cable to the Light-Blue cable of the NP300. This connector is located behind a cover on the left in the front, driver-side footwell, directly on the door stop **(Picture 13)**.

With the Fleetranner model, the power supply cable must also be connected to the vehicle battery.



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FORD RANGER 2012+

In order to insert the supplied metal plug in the load compartment wall, an approx. 2.5 cm large opening is required on the inside of the side tail lift to the rear light in which the canopy cable comes outside. **(Picture 14)**

In principle, however, this is not necessary for connecting the wiring harness. You can also put the cable through an existing gap between the inside edge of the tail lift and the rear light.

- Loosen the rear light at the 2 screw connections.
- Guide the supplied cable harness with the cable connectors through the drilled hole **(Picture 14)** or through the existing gap.
- Connect the cables of the canopy harness to the cables of the FORD wiring harness as follows **(Picture 15)**:

- Black cable (Ground) – Black Ranger taillight
- Red cable (3.brake light) – Green Ranger taillight
- Fasten the socket with 2 metal screws and now connect the plug.



Picture 14



Picture 15



Picture 16

For the connection to the central locking, connect the Yellow cable (CLOSE) with the Yellow cable of the wiring harness contained in the assembly set and the Green cable (OPEN) with the Green cable. Use the cable clamps to connect the other end of the Yellow cable to the Grey-Brown cable of the RANGER and the Green cable to the Purple-Green cable of the RANGER. This connector is located behind the fuel filler flap in the driver's wheel arch **(Picture 16)**. To do this, loosen the splash guard on the left and bend it outwards. With the Fleetrunner model, the power supply cable must also be connected to the vehicle battery.



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TOYOTA HILUX REVO 2016+

In order to insert the supplied metal plug in the load compartment wall, an approx. 2.5 cm large opening is required on the inside of the side tail lift to the rear light in which the canopy cable comes outside. **(Picture 17)**

In principle, however, this is not necessary for connecting the wiring harness. You can also put the cable through an existing gap between the inside edge of the tail lift and the rear light.

- Loosen the rear light at the 2 screw connections.
- Guide the supplied cable harness with the cable connectors through the drilled hole **(Picture 17)** or through the existing gap.
- Connect the cables of the canopy harness to the cables of the TOYOTA wiring harness as follows:

- Black cable (Ground) – Black Toyota taillight *
- Red cable (3.brake light) – White-Green Toyota taillight*
- Fasten the socket with 2 metal screws and now connect the plug.



Picture 17

* Connecting the canopy's 3rd brake light is not applicable or in some countries even not allowed, as a 3rd brake light is already connected to the tailgate.

Picture 18



Picture 19

For the connection to the central locking you now need the Yellow cable (CLOSE) with the Yellow cable of the wiring harness found in the assembly set and the Green cable (OPEN) with the Green cable. Use the cable clamps to connect the other end of the Yellow cable to the Thick-Black cable of the HILUX and the Green cable with the Thick-White cable of the HILUX. This plug is located behind its own connection in the correct driver-side footwell, directly on the door stop **(Picture 19)**. With the Fleetranner model, the power supply cable must also be connected to the vehicle battery.



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MITSUBISHI L200/FIAT FULLBACK 2016+/DODGE RAM1200

In order to insert the supplied metal plug in the load compartment wall, an approx. 2.5 cm large opening is required on the inside of the side tail lift to the rear light in which the canopy cable comes outside. **(Picture 20)**

In principle, however, this is not necessary for connecting the wiring harness. You can also put the cable through an existing gap between the inside edge of the tail lift and the rear light.

- Loosen the rear light at the 2 screw connections.
- Guide the supplied cable harness with the cable connectors through the drilled hole **(Picture 20)** or through the existing gap.
- Connect the cables of the canopy harness to the cables of the MITSUBISHI wiring harness as follows:

- Black cable (Ground) - L200/Fullback/RAM1200 taillight *
- Red cable (3.brake light) - L200/Fullback/RAM1200 taillight *
- Fasten the socket with 2 metal screws and now connect the plug.



Picture 20

* Connecting the canopy's 3rd brake light is not applicable or in some countries even not allowed, as a 3rd brake light is already connected to the tailgate.

Picture 21



Picture 22

For the connection to the central locking, connect the Yellow cable (CLOSE) with the Yellow cable of the wiring harness contained in the assembly set and the Green cable (OPEN) with the Green cable. Connect the other end of the Yellow cable to the Beige cable of the L200/FULLBACK/RAM1200 using the cable clamps and the Green cable to the Light-Blue cable of the L200/FULLBACK/RAM1200. This connector is located behind a cover on the left in the front, driver-side footwell, directly on the door stop **(Picture 22)**. With the Fleetranner model, the power supply cable must also be connected to the vehicle battery.



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ISUZU D-MAX 2012+

In order to insert the supplied metal plug in the load compartment wall, an approx. 2.5 cm large opening is required on the inside of the side tail lift to the rear light in which the canopy cable comes outside. **(Picture 23)**

In principle, however, this is not necessary for connecting the wiring harness. You can also put the cable through an existing gap between the inside edge of the tail lift and the rear light.

- Loosen the rear light at the 2 screw connections.
- Guide the supplied cable harness with the cable connectors through the drilled hole **(Picture 23)** or through the existing gap.
- Connect the cables of the canopy harness to the cables of the ISUZU wiring harness as follows **(Picture 24)**:

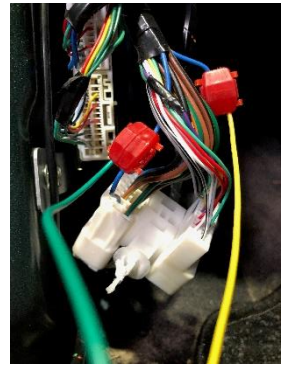
- Black cable (Ground) – Pink D-MAX taillight
- Red cable (3.brake light) – White D-MAX taillight
- Fasten the socket with 2 metal screws and now connect the plug.



Picture 23



Picture 24



Picture 25

For the connection to the central locking, connect the Yellow cable (CLOSE) with the Yellow cable of the wiring harness contained in the assembly set and the Green cable (OPEN) with the Green cable. Use the cable clips to connect the other end of the Yellow cable to the Thick-Blue-Red cable of the D-MAX and the Green cable to the Thick-Blue cable of the D-MAX. This connector is located behind a cover on the left in the front, driver-side footwell, directly on the door stop **(Picture 25)**. With the Fleetranner model, the power supply cable must also be connected to the vehicle battery.



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Operating instructions

- Basically, let the rear window fall into the locks with its own weight, do not slam.
- When closing the popup window, gently lower it onto the rubber seal, do not let it fall down.

Violations inevitably lead to damage.

- Check the tight fit of the retaining clips and the correct fitting of the canopy every 1500km at the latest.
- Do not wrap the canopy in the first 2 months after purchase - chemical substances in the adhesive layer may react with the clear coat. You can also ask recognized specialist wrapping companies about this.
- Avoid washing your canopy in automatic car wash or ask the operator in advance whether the system's distance sensors detect the rear spoiler. These can also be controlled manually by the operator.
According to this, any damage is normally covered by the operator's insurance, but repair work should be avoided as far as possible.
- Avoid the use of aggressive cleaners that can damage the paint surface. Damage from this is excluded from the guarantee.

Maintenance instructions

Fiberglass canopies can tear on the gealcoat surface - underneath the paintwork due to external influences, in particular sudden impacts or tension, incorrect placement of the hardtop and torsion of the body. These hairline cracks sometimes come to the visible surface. These fine cracks do not affect the structural strength of the fiberglass and do not represent a material defect.
Any cracks that occur can be repaired with a suitable spatula.
This work includes the normal work of paint shops.

To prevent these circumstances, we recommend checking the foam rubber lining of the canopy every 12 months. Furthermore, the canopy may only be stored without tension. Signs of use on the underside of the canopy and the upper edges of the vehicle tail lift can occur, especially if the foam rubber layer is not in perfect condition.

For a permanent function of all components, especially the wearing parts, please note the following:

- Every 3 months, rub all the seals on the windows as well the rear window with silicone oil *.
- Put lock spray or lock oil into the locks every 6 months - This is more permanent and frost-resistant than silicone spray and does not stick, unlike graphite spray, the components to be protected.



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- Regularly wipe off all chrome-plated or stainless steel components with a care spray - if necessary, remove slight rust deposits on chrome-plated or stainless steel components.
- Regularly check that the screw connections of the shock absorbers as well as the hinges of the rear window and the locks.
- Renew the foam rubber pads on the canopy at least every two years.
- If necessary, replace the silicone seals on the side windows.
- Under certain circumstances, the screw connections of the hinges, which connect the rear window to the canopy, can loosen on the glass side as a result of strong temperature differences.

This is due to the use of the rubber seal, which sits between the metal hinge and the glass, or also to rapid temperature differences and thus the material-related, different expansions of stainless steel, rubber and safety glass.

The permanent pressure exerted by the oil pressure damper on the rear window, which is directed upwards, may cause it to move towards the canopy.

You will notice this by the fact that the locks no longer properly engage with the locking bolts.

To solve this, loosen the screw on the hinges on the glass side and pull the window back into the desired position.

Then carefully tighten the screw connection again.

- Never drive with the canopy's rear door window or popup windows open. This can lead to cracks in the Fiberglass or, in the case of the popup windows, to loosening of the hinge and subsequent displacement of the glass in the frame.
- Damage from improper use is fundamentally excluded from the guarantee.

* Seals and lamps are generally part of the canopy's wearing parts.

We grant a 12 month guarantee as a courtesy, provided that you have followed the care instructions. We will check this on receipt of the defective component in exchange.