

2 Safety and installation instructions

Please observe the prescribed safety instructions and stipulations from the vehicle manufacturer and service workshops.

The manufacturer accepts no liability for damage in the following cases:

- Damage to the product resulting from mechanical influences
- Alterations to the product without express permission from the manufacturer
- Use for purposes other than those described in the operating manual



WARNING! Beware of injury

Do **not** exceed the maximum allowable driving speed of 160 km/h, because this can damage the roof light. Parts that come loose may injure people in the vicinity.



NOTE

If you do not have sufficient technical knowledge for installing the components in vehicles, you should have a specialist install the roof window in your vehicle.

Please note the following:

- If faults or disturbances occur, consult a specialist workshop immediately.
- Risk of breakage! Do not tread on the glass dome.
- Before starting your journey, check that the roof window is locked properly.
- Before starting your journey, check the roof window for damage (such as tension cracks in the acrylic glass).
- Do **not** open the roof window while driving.
- Do **not** open the window in strong wind or rain.
- Close the roof window if it rains or snows.
- Do **not** leave the vehicle with the roof window open.
- Keep the roof window free of snow and ice.

3 Scope of delivery

No. in fig. 1	Quantity	Label
1	1	Outer frame with glass dome
2	1	Inner frame

**NOTE**

For assembly please be aware that you will need an installation kit and possibly an adapter frame (see chapter "Mounting the Micro Heki" on page 7).

4 Accessories

Label	Ref. no.
Adapter frame for Fiat Ducato type 250/290	9104116108
Spoiler, 570 mm	9104100260

5 Intended use

The Micro Heki roof light is suitable for installation in motor homes or caravans:

The maximum travel speed permitted is 160 km/h, as noise or damage could occur depending on the vehicle design or installation position. In case of excessive noise, a spoiler (**accessory**) can be used.

6 Instructions before installation

- Before installation, check the roof thickness of your vehicle. Consult the vehicle manufacturer if you have any questions.
- When choosing the installation location, observe the following:
 - Adjoining components (roof rack or attachment and reinforcing parts), cables and cabinets in the vehicle interior must not get damaged when sawing the hole.
 - Sufficient space needs to be available for installing the inner and outer frames.
 - Only fit the roof light on flat and parallel interior and exterior roof areas with a maximum inclination of 15° to the horizontal.
 - You may use an existing roof hole provided the roof light fits into it.

6.1 Pressing out the hole

See fig. **2**

6.2 Using reinforcing rails


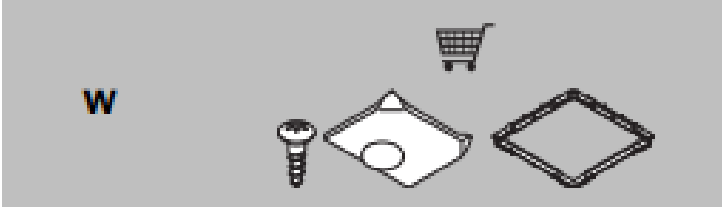
Supplementary to fig. **3**

- Before installation, check whether the roof hole needs reinforcing.
- Remove the foam according to the width of your reinforcing rails (not in scope of delivery) (**A**).
- Fit the reinforcing rails (**B**).

7 Mounting the Micro Heki

Supplementary to fig. 3

- Measure your roof thickness W .
- Use the appropriate installation kit.

			
23 – 25 mm	9104118048	43 mm	9104118048 + 9104118059
26 – 27 mm	9104118049	44 – 45 mm	9104118049 + 9104118059
28 – 29 mm	9104118050	46 – 47 mm	9104118050 + 9104118059
30 – 31 mm	9104118051	48 – 49 mm	9104118051 + 9104118059
32 – 33 mm	9104118052	50 – 51 mm	9104118052 + 9104118059
34 – 35 mm	9104118053	52 – 53 mm	9104118053 + 9104118059
36 – 37 mm	9104118054	54 – 55 mm	9104118054 + 9104118059
38 – 39 mm	9104118055	56 – 57 mm	9104118055 + 9104118059
40 – 41 mm	9104118056	58 – 59 mm	9104118056 + 9104118059
42 mm	9104118057	60 mm	9104118057 + 9104118059

See fig. 4

- Check that the roof light has sufficient space around it (approx. 1 to 2 mm) in the wall section.

See fig. 5

- Clean the roof opening in the mounting area.

See fig. 6



NOTICE!

Observe the sealant manufacturer's instructions.

- Seal the mounting frame with a flexible non-hardening sealing compound (e.g. SikaLastomer-710).

See fig. 7

- Check the direction of travel when installing.
- Place the outer frame in the middle of the roof opening.
- Press the outer frame in the roof slightly so that the packing compound spreads out.

See fig. 8

- **Wall thickness 23 – 42 mm:** Attach the outer frame with the appropriate installation kit.
- **Wall thickness 43 – 60 mm:** Attach the outer frame with the adapter frame and the appropriate installation kit. Use the screws included in the scope of delivery of the adapter frame.
- Tighten the screws 10 minutes after installation.

See fig. 9

- Mount the fastening brackets on the internal frame.

See fig. 10

- Push the inner frame onto the outer frame.
- After installing, check the roof light works properly.

**NOTE**

If the protective film is exposed to sunlight for too long, it cannot be taken off without leaving a residue.

- Remove the protective film from the acrylic glass.
- If necessary, enter the new vehicle height and weight in the vehicle documents.

8 Using the Micro Heki

8.1 Opening and closing the Micro Heki (fig. 11)

- Press the release button (1), and open the roof hood with the bracket at the same time (2).

Opening the roof light completely

- Slide the bracket (2) into the I position.

Opening the roof light to the ventilation position

- Slide the bracket (2) into the II position.
You can push down the sliders (3) on the left and right to lock it.

Closing the roof light

- Slide the bracket (2) into the IV position.
- Guide the bracket (2) with slight pressure to the left and right via the (4) catches so that the roof hood is locked and the bracket (2) is on the release button (1).

8.2 Opening and closing the roller blinds (fig. 12)



NOTICE! Risk of damage due to a build-up of heat between the roller blind and the window.

In strong sunlight, only close the blackout roller blind, if installed, two thirds of the way.



NOTE

You can adjust the blackout roller blind, if installed, and the flyscreen separately.

- Hold the recessed handle of each roller blind and pull it into the required position.

9 Troubleshooting

Fault	Possible cause	Suggested remedy
The roof light does not close completely.	Dirt between the glass and frame	Clean the window. Remove any leaves and twigs between the glass and frame.
The flyscreen or black-out roller blind cannot be moved.	Dirt on the side guides	Clean the side guides.

If you are unable to rectify the fault, get in touch with a specialist workshop.

10 Maintaining and cleaning the Micro Heki



NOTICE!

Do not use any sharp or hard objects for cleaning since they may damage the acrylic glass.

Only use cleaning agents that are approved by the manufacturer. Acrylic glass polish (ref. no. 9600000128), special polishing cloth (ref. no. 9600000130) and acrylic glass cleaning agent (ref. no. 9600000129).



NOTE

The roof dome clouds over in bright sunshine. It becomes clear again as soon as it cools down.

- Clean the roller blind with mild soap and plenty of water.
- Put talcum powder on the rubber seal.

