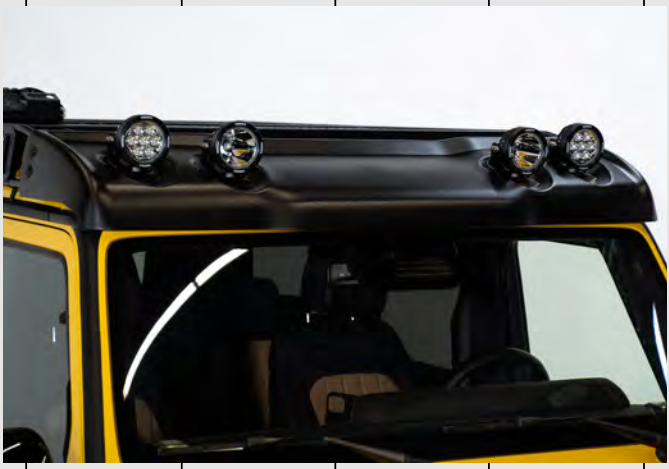
LETECH WIND DEFLECTOR

INSTALLATION INSTRUCTIONS

LAST UPDATE	VEHICLE TYPE
2026	**G-CLASS FROM 2018**

MADE IN GERMANY



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LETECH

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1. GENERAL

Thank you for purchasing a LETECH quality product. Through state-of-the-art production facilities, constant checks and regulated processes, we ensure that only flawless products leave our production.

1.1 SAFETY INSTRUCTIONS

Work on the vehicle may only be carried out by trained specialists.
Work on the vehicle electrical system may only be carried out by specialists with appropriate electrical and electronic knowledge.
Before working on the vehicle electrical system, disconnect the battery.

Use suitable hoists and tools when preparing and assembling the LETECH wind deflector.

In general, the safety requirements of the respective workshop or country must be observed.

1.2 SCOPE OF DELIVERY

Roof spoiler with 4 headlights

Wiring harness with mating connector

CAN bus controller

Switch panel

Aperture

Bar

High-beam switch

1.2 SCOPE OF DELIVERY

Work Light Switch

A rope winch switch is not required

Use of dummy switches

Can bus control unit holder

Support plate for switch console

Relay console (with relays installed)

Small parts

Roof rack with rear ladder

2. ASSEMBLY

2.1 PREPARING THE WIND DEFLECTOR

Wind deflector (1x)	Fit and wire the spotlights to the roof spoiler (before fitting).
4.7“ Single LED Spot Auxiliary High-Beam Headlight (2x)	
4.7“ Multi LED Flood auxiliary LED headlight (2x)	

2.1 PREPARING THE WIND DEFLECTOR

Use only cables with connectors from the original headlamp harness.

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Feed the cable through the square opening and connect the plug. Secure the plug to the headlight base using a cable tie.

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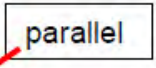


The headlight mounting screws must not exceed 25 mm in length. Align the headlight bracket parallel to the headlight base on the wind deflector, tighten the screws and secure them with threadlocker.

2.1 PREPARING THE WIND DEFLECTOR

Lay the cable in the groove, secure it with adhesive and tape

Waterproof plug

Clip

Route the cable through the groove at the rear of the wind deflector (secure with adhesive), and guide all cables to the right (in the direction of travel). Fit waterproof connectors to the cables, combining the cables for the Single LED Spot auxiliary headlamp and the Multi LED Spot auxiliary headlamp respectively, and fitting waterproof connectors to them. Secure the connectors at the rear of the wind deflector with a clip so that the cables can be plugged in once installed. Note the pin configuration: + = +, - = - !

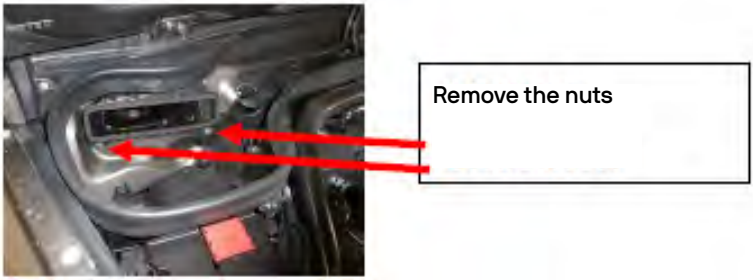
2.1 PREPARING THE WIND DEFLECTOR

Apply adhesive tape to the back of the wind deflector so that it can be secured to the vehicle roof later.
Do not remove the protective film until just before fitting the wind deflector.

2.2 VEHICLE PREPARATION

Remove the covers on the vehicle roof to access the roof rack mounting points. Remove the front right inner wing.

2.2 VEHICLE PREPARATION



Remove the pollen filter. Remove the lower nuts from the fan housing.

2.2 VEHICLE PREPARATION

Remove the glove box.
Remove the triangular trim on the right (between the dashboard and the A-pillar).
Remove the footwell trim on the right.
Remove the centre console trim on the right.
Remove the rear centre console trim.

2.2 VEHICLE PREPARATION

Carefully remove the trim strip on the right-hand A-pillar, taking care not to damage the paintwork.

2.2 VEHICLE PREPARATION

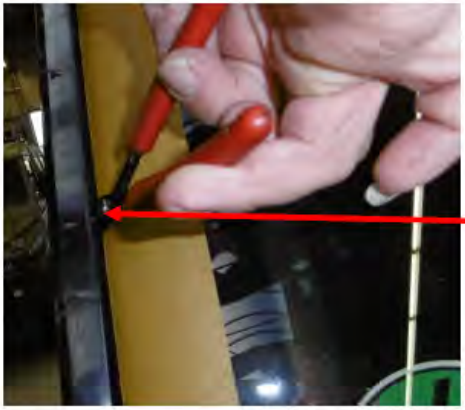
Make a cut-out for the cable feed-through 4.50 cm from the end

Notch the A-pillar trim strip. Cut out a section at the top, with a diameter approximately equal to the thickness of the cable.

2.2 VEHICLE PREPARATION

Trim the bottom of the A-pillar trim to create space for the cable.

2.2 VEHICLE PREPARATION



Cut the plastic nose pieces (4 pcs) flush to allow for cable routing (only on the side facing the windscreen and the top corner). Protect the paintwork.

Remove the plastic tabs from the retaining strip for the cover strip using side cutters.

2.3 WIRING FROM THE ROOF TO THE ENGINE COMPARTMENT

Prepare two cables (2.5 mm^2) each fitted with a waterproof connector; these cables will be routed behind the trim strip on the A-pillar and will supply power to the auxiliary headlights. Note: high-beam headlights / work lights!
Cables must be routed before fitting the wind deflector, as the A-pillar trim strip cannot be fitted once the wind deflector has been installed.

Route the cables under the retaining strip for the cover strip so that one cable runs on the windscreen side and the other on the door side (see photo).

2.3 WIRING FROM THE ROOF TO THE ENGINE COMPARTMENT

Choose a cable length that allows the auxiliary headlight plug to be connected.

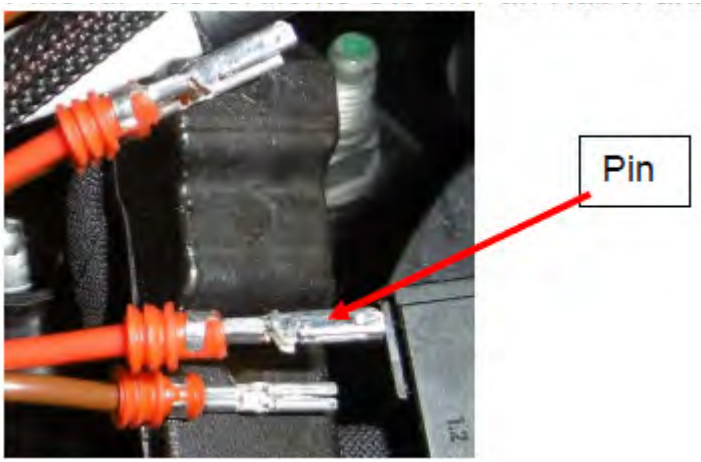
2.3 WIRING FROM THE ROOF TO THE ENGINE COMPARTMENT

Route the cable through the gap in the mudguard into the wheel arch, and secure it there to the existing cables using cable ties. Route the cable from the wheel arch into the engine compartment.

2.3 WIRING FROM THE ROOF TO THE ENGINE COMPARTMENT

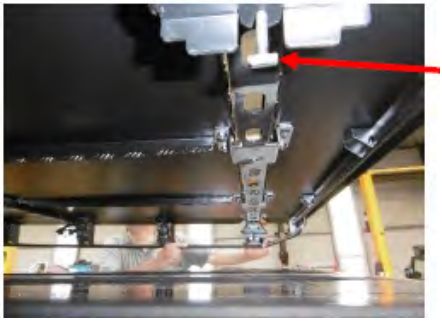
Once the cable has been routed, refit the A-pillar cover.

2.3 WIRING FROM THE ROOF TO THE ENGINE COMPARTMENT



Fit waterproof connectors to the cables.
Route the cables from the headlights in the wheel arch (behind the inner wing) along the existing cable harness into the engine compartment, near the pollen filter housing.
Secure them to the existing cable harness using cable ties.

2.4 INSTALLING ROOF RACK



Roof rack (1x)	Insert the fixing bolts (hammer bolts with spacer sleeves) into the roof rack brackets. Position the roof rack over the vehicle roof using suitable lifting equipment. Observe all regulations relating to suspended loads. Protect your head. Insert the roof bars into the roof recesses and lightly tighten the nuts on the hammer-head bolts. Tighten the hammer-head bolts to 10 Nm.
Hammer-head bolts with spacer sleeves (6x)	

2.5 INSTALLING WIND DEFLECTOR

Spacer plates

Wind deflector (1x)	Clean the bonding area and remove the protective film from the adhesive strips. Position the wind deflector so that the holes and threads in the roof rack align; if necessary, the holes may need to be enlarged slightly. Ensure the connector is accessible. If there is any play at the fixing point between the roof rack and the wind deflector, insert a spacer plate. Tighten the screws to 10 Nm. Connect the auxiliary headlight connector to the A-pillar cable connector.
Spacer plates (2x)	

2.6 INSTALLATION OF SWITCH PANEL

Centre storage compartment / centre console: Drill a 26 mm diameter hole at the rear for cable routing.

2.6 INSTALLATION OF SWITCH PANEL

Metal screws (4x)	Fit the switch panel in the central storage compartment using the sheet metal screws provided; pre-drill the holes with a 2 mm drill bit if necessary. Remove any shavings.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Feed the cable from the switch in the centre console through the hole and pull it forwards along the side of the centre console, using the wire to guide it.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Switch for work lights (1x)	Insert the switch into the switch panel, after connecting the cables.
High-beam switch (1x)	
Switch, cable winch or blind plug (1x)	

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

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CAN bus control unit (1x)	Install the CAN bus control unit so that the connection cable is on the right. Route the cables with the black, blue, white and earth connectors to the right. Route the cables with the pins from the CAN bus control unit to the left.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Feed the cable with pins from the CAN bus control unit through the centre console using a wire, connecting it to the cable coming from the switch.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Pin 1	brown	**Pin 6**	blue/grey
Pin 2	black/white	**Pin 7**	red/white
Pin 3	black/yellow	**Pin 8**	red/yellow
Pin 4	black/red	**Pin 9**	red/blue
Pin 5	black	**Pin 10**	yellow

Insert the pins of this cable into the black connector according to the pinout diagram, plug them together and secure them in place behind the centre console trim.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Connect the ground cable (brown) from the CAN bus control unit to the ground point in the footwell.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Plug the control cable from the CAN bus control unit (white connector) into the connector strip next to the purple cables.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Drill a 30 mm hole in the plastic trim from the pollen filter housing to the engine compartment.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Fit the relay strip with the relays to the existing stud bolts on the pollen filter housing.
Feed all cables through the provided hole (D = 30 mm) and fit the rubber grommet.
Fit connectors to the headlamp cables and connect them to the relay cables as marked.

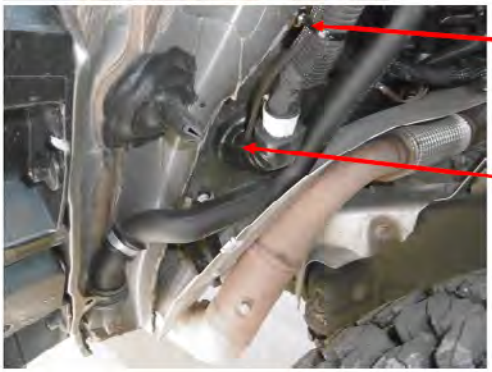
2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Fit blank plugs to any unused terminals on the relay (e.g. winch).
Secure all plugs properly.
Route the earth cable to the earth terminal and fasten it there.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Pass the cable through the rubber grommet, piercing it first

Interior labelling



Secure cables, cable ties

Insulation

A cable harness runs from the relay into the passenger compartment, labelled ‘Passenger compartment’. Feed this cable harness through the existing cable into the passenger compartment using a rubber grommet, piercing the grommet as you do so. Once the cable has been pulled through, seal the grommet with flexible sealant. Secure with cable ties.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Cable from the external relay. Insert the pins into the connector according to the pinout diagram (see below).

Cable from the CAN bus control unit in the footwell with a blue and black plug

Pin assignment: blue

Pin 1	orange
Pin 2	brown/black
Pin 3	free
Pin 4	free

Pin assignment: black

Pin 1	red
Pin 2	rose
Pin 3	red/yellow
Pin 4	red/blue

Connect the cable to the passenger compartment using the blue and black connectors coming from the CAN bus control unit. Pin assignment as per the pinout diagram. Secure the connectors and cable behind the footwell trim in a suitable manner.

2.7 WIRING IN THE ENGINE COMPARTMENT AND INTERIOR

Power supply cable, coming from the relay strip

Connect the power supply cable, coming from the relay strip, to the centre terminal (100 A) using screws

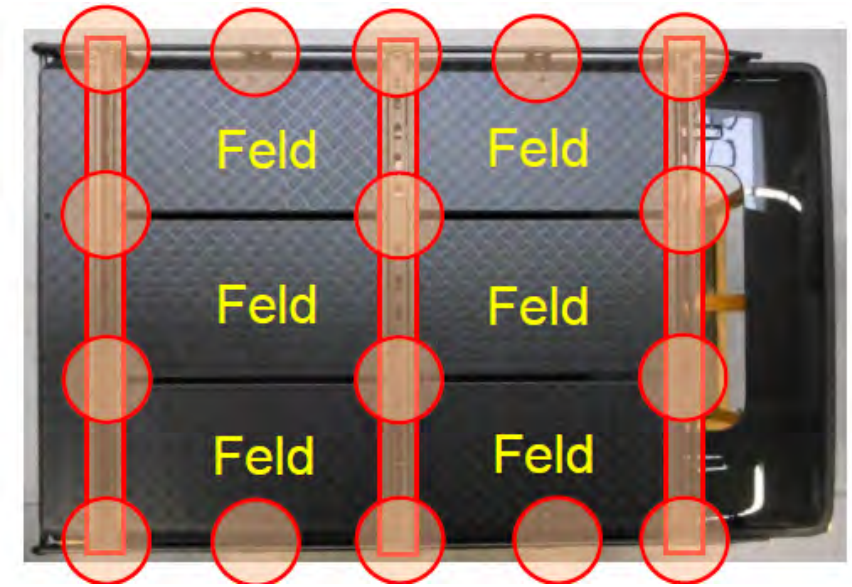
Connect the power supply; to do this, open the terminal cover in the engine compartment.
Connect terminal 30 from the relay strip (thick cable) to the middle terminal (100 A) on the busbar using a screw.

3. FINAL PROJECTS

- Reconnect the battery.
- Test the lighting system.
- Reinstall all terminal covers and electrical covers.
- Ensure that all cables are secured with cable ties.
- Adjust the headlights to prevent glare.
- Reinstall all trim panels.
- Reinstall the glove compartment.
- Check that all screws are tightened.
- Clean the vehicle inside and out.
- Take a test drive.

4. LOADING OF THE ROOF RACK

Do not walk on the roof rack! Risk of falling!
The roof rack may only be loaded as shown in the following image!



A load of 120 kg is permitted in the areas marked in red.
Load capacity: 50 kg per section. (yellow sections)

For the maximum possible total load, see the vehicle owner‘s manual (roof load).