LETECH LED MULTI-CHAMBER REAR WORK LIGHT

INSTALLATION INSTRUCTIONS

LAST UPDATE	VEHICLE TYPE
2026	**GRENADIER**

MADE IN GERMANY



LENNARTZ-TECHNIK.DE

LETECH

TABLE OF CONTENTS

1. General 3

1.1 Safety instructions 3

2. Assembly 4

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 LED multi-chamber rear work light.
In general, the safety requirements of the respective workshop or country must be observed.

2. INSTALLATION



Prepare the multi-chamber lights. Remove the original frame and attach it to the roof rack at the marked position using the bracket included in the delivery (see p. 5, 5.2).

2. INSTALLATION



Route the cable for the multi-chamber lights along the inside of the roof rack and secure it (see image).
The image shows the right side. Perform the same procedure on the left side.
The plug connection shown here (5.1) is optional and available upon customer request for faster installation/removal of the roof rack (not included).

2. INSTALLATION



Remove the rear left/right trim panels.

2. INSTALLATION



Route the cable for the multi-chamber lights through the plug (see arrow) at the top of the roof on the right and left sides, respectively, into the passenger compartment, and seal it with a suitable sealant.
Shown here is the version with the 6-pin disconnect plug for faster installation and removal of the roof rack.

2. INSTALLATION



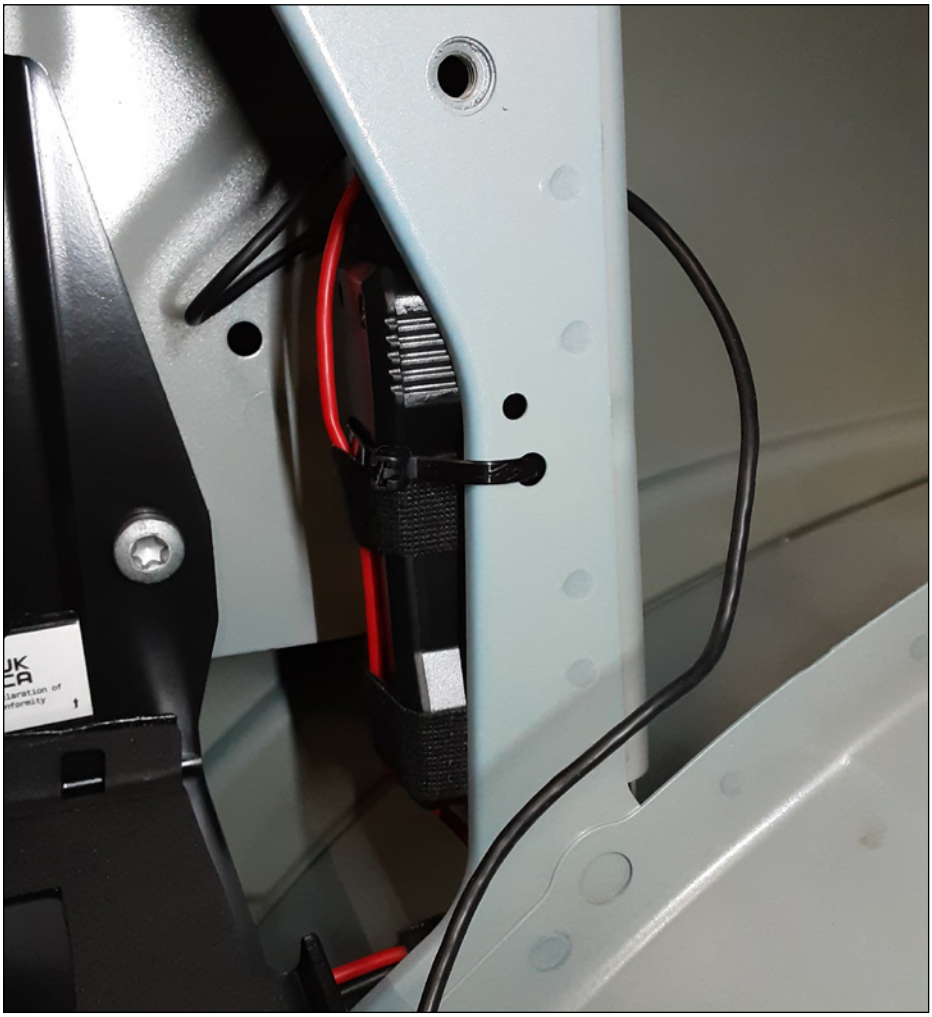
Remove the interior trim from the boot on the left and right.

2. INSTALLATION



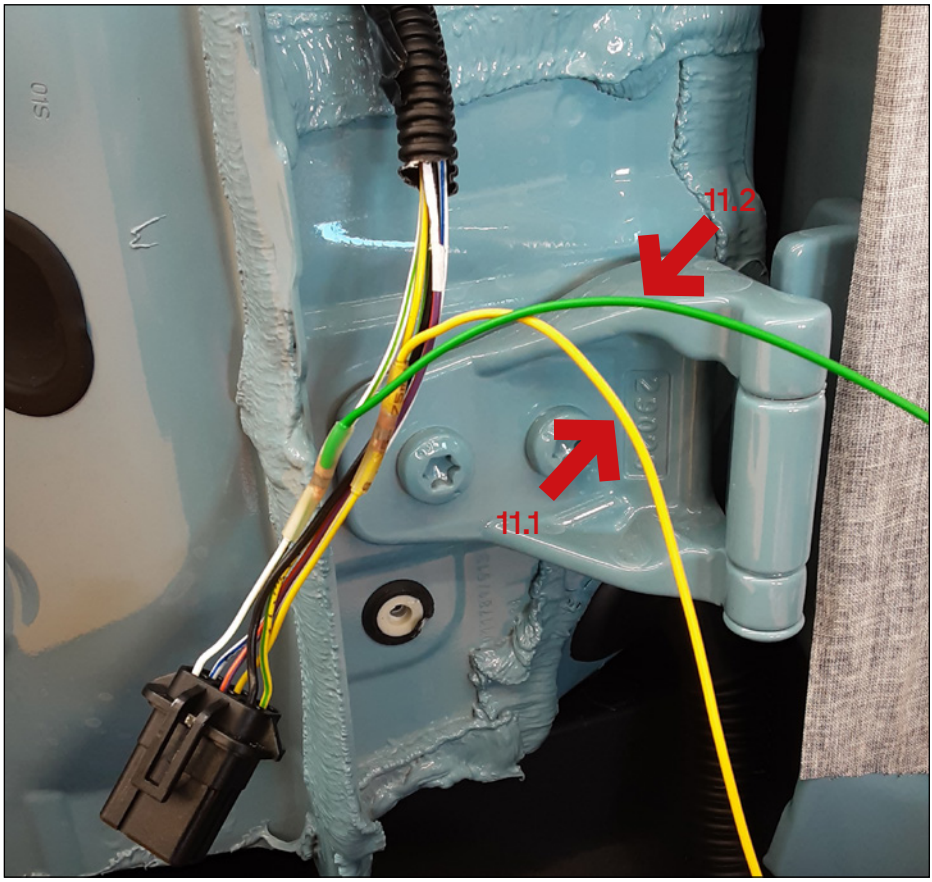
Route the cables downward at the rear left and right, and secure them properly.

2. INSTALLATION



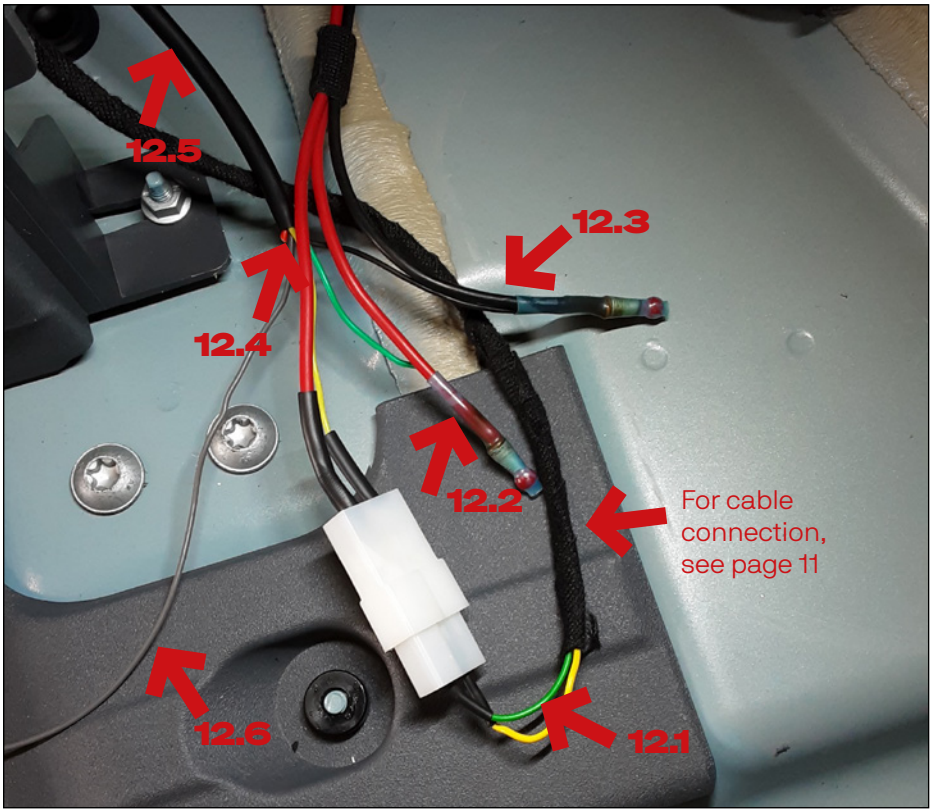
Install the included signal noise suppressors in the appropriate locations on the right or left.
These are connected between the rear light and the auxiliary headlight (see pp. 11–12).

2. INSTALLATION



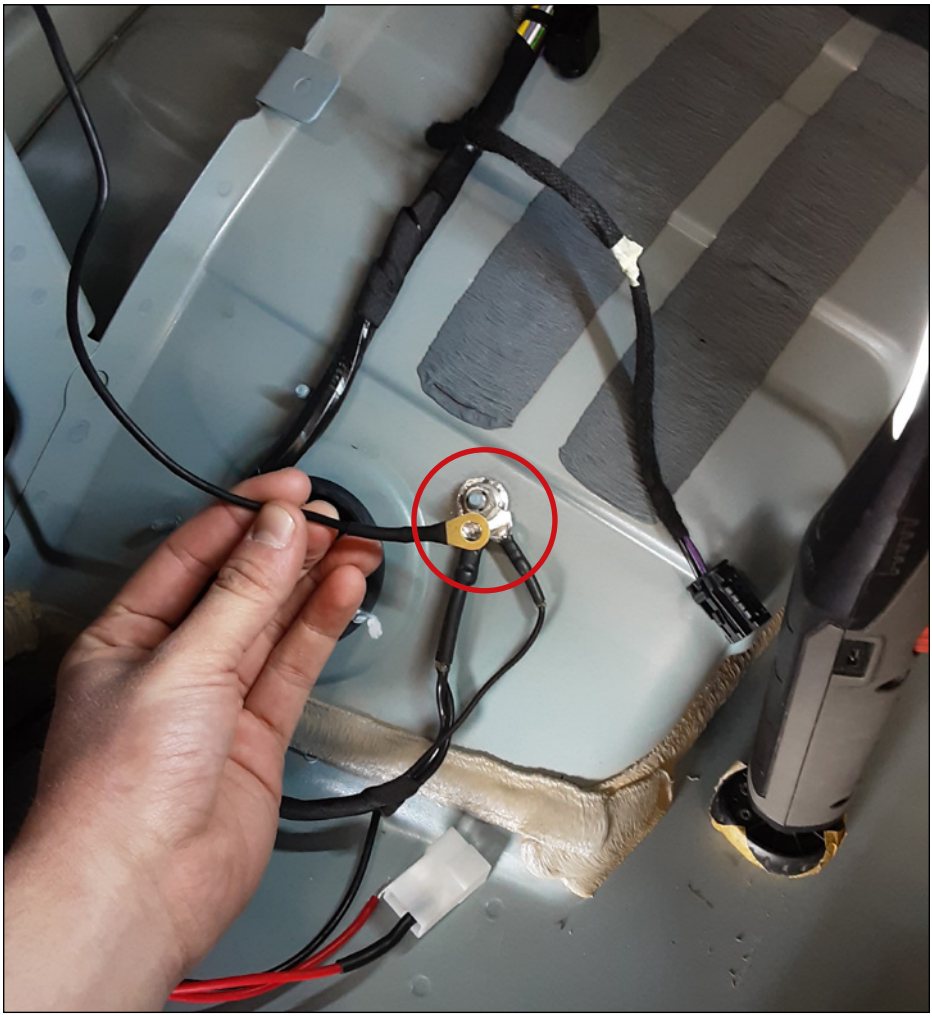
1. Measure the voltage of the left/right turn signal at the rear light (using the ECE cable color: gray/green) and connect it to the yellow cable of the multi-chamber light. A yellow connecting cable (11.1) is shown.
2. Measure the voltage of the tail light (in ECE cable color white/green) and connect this cable to the noise filter (see p. 12). A green connecting cable (11.2) is shown.
Please use a cable with a cross-sectional area of at least 1.5 mm^2 for the connection.
(Additional cables are not included.)
(***Please note that cable colors may vary by country.***)

2. INSTALLATION



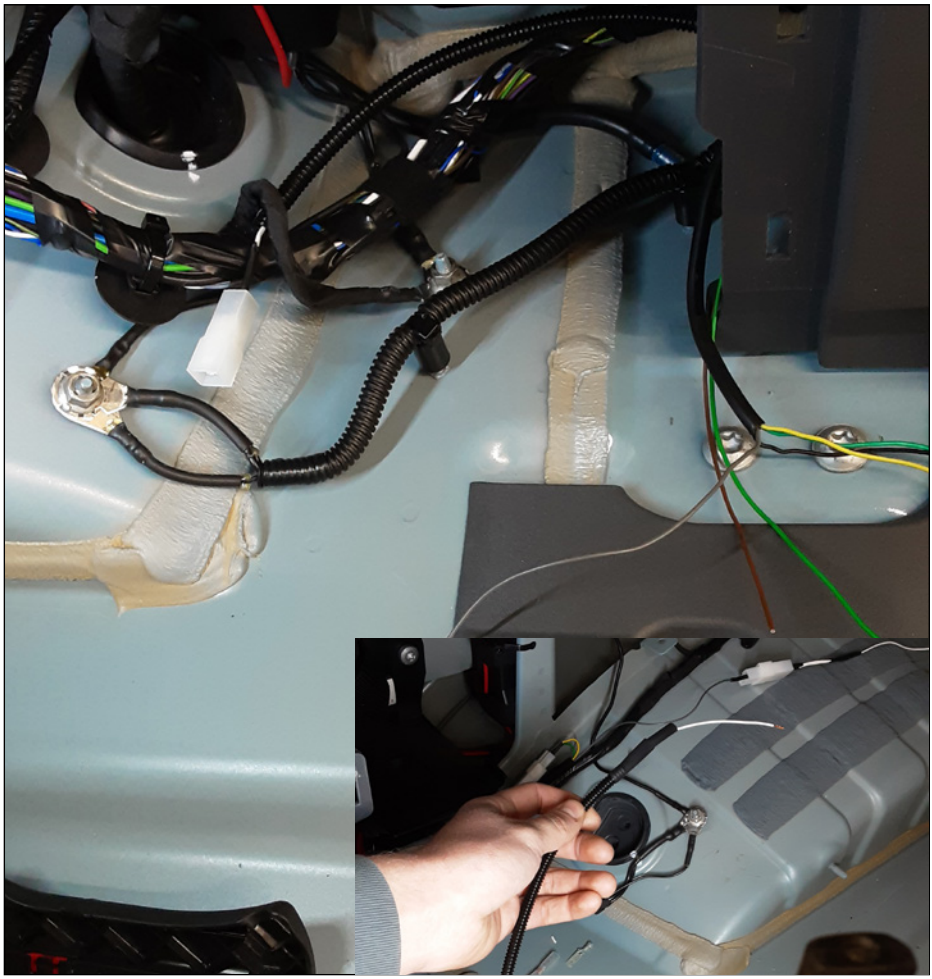
12.1 Connect the green wire from the rear light directly to the red wire from the noise filter using a two-pole connector.
12.2 Connect the second red wire from the noise filter to the green wire from the multi-chamber light so that the noise filter is connected between the tail light and the multi-chamber light.
A soldered connection is shown.
12.3 Connect the black ground wire from the multi-chamber light to the black wire from the noise filter.
A soldered connection is shown.
12.4 The red cable from the multi-chamber light is not needed and can be left unconnected.
12.5 Remove the multi-chamber light cables from the roof rack.
12.6 Route the gray cable from the multi-chamber light to the roof control panel (see pp. 14–16) and connect it.

2. INSTALLATION



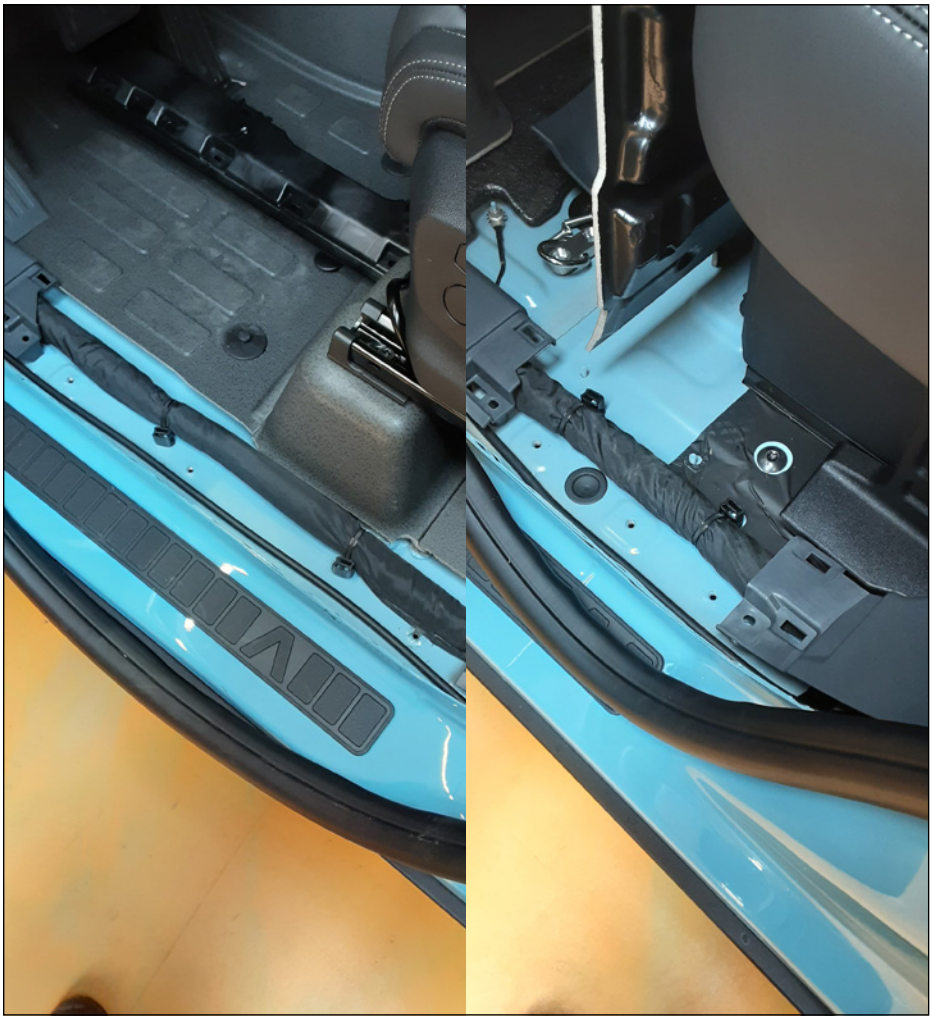
Connect the ground cable of the interference suppressor to the ground point.

2. INSTALLATION



Extend the grey cable of the right-hand auxiliary headlight with a 1.5 mm^2 cable and lay it on the left-hand side of the vehicle. Insulate it with suitable insulating material, feed it under the boot trim and secure it.

2. INSTALLATION



Remove the door sill plates on the driver‘s side and the front driver‘s footwell trim so that the prepared cables for the Intern-1 switch are exposed.

2. INSTALLATION



Connect the positive wire from the Intern-1 switch to a white 1.5 mm^2 wire and route it to the rear left toward the taillight. Connect the two gray wires from the auxiliary headlights to the wire from the Intern-1 switch and insulate the connections. Route the wires neatly and check that they are securely fastened.

2. INSTALLATION



Fit exterior and interior trim and ensure that cables are laid correctly.