

Installation instructions: RLM

Rear Light Modul

using the example of a R 1250 GS



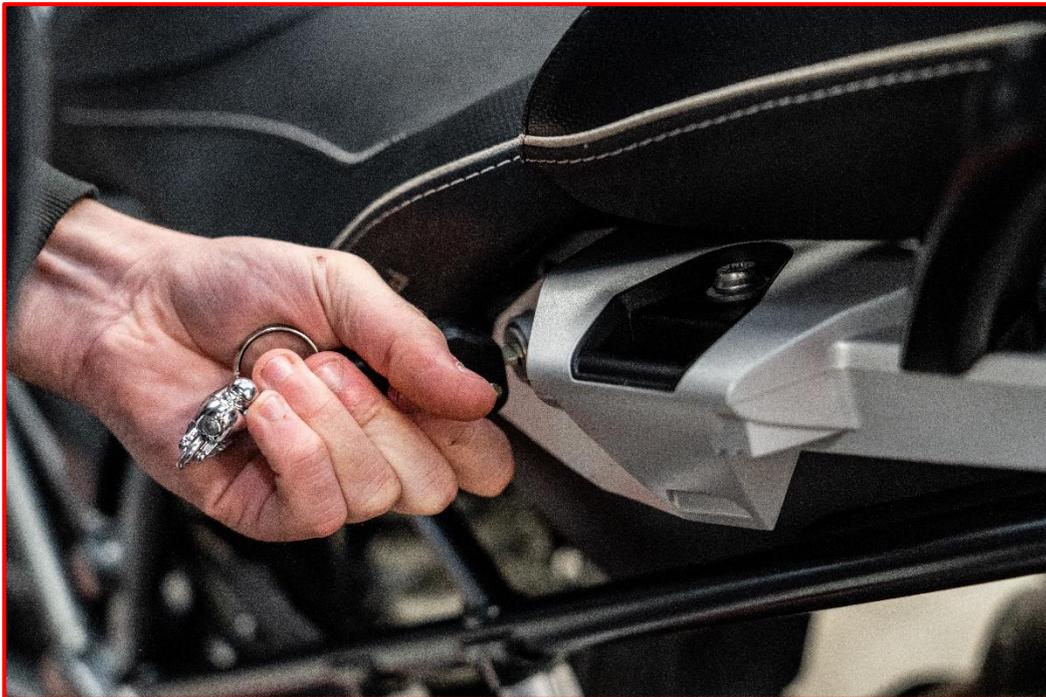
The module is perfectly matched to your motorcycle to ensure easy installation and optimum function. The RLM is inserted between the rear indicator plug and the plug for the rear light, connected to the front indicators of your BMW motorcycle and supplied with voltage from the motorcycle battery. The use of the RLM is permitted in the context of the German StVZO.

If you are not sure where the respective plug connections are located on your model or if you have any questions, please contact us for model-specific assistance at nachruestungen@emotion-ride.de or **+49 2206 9198041**.

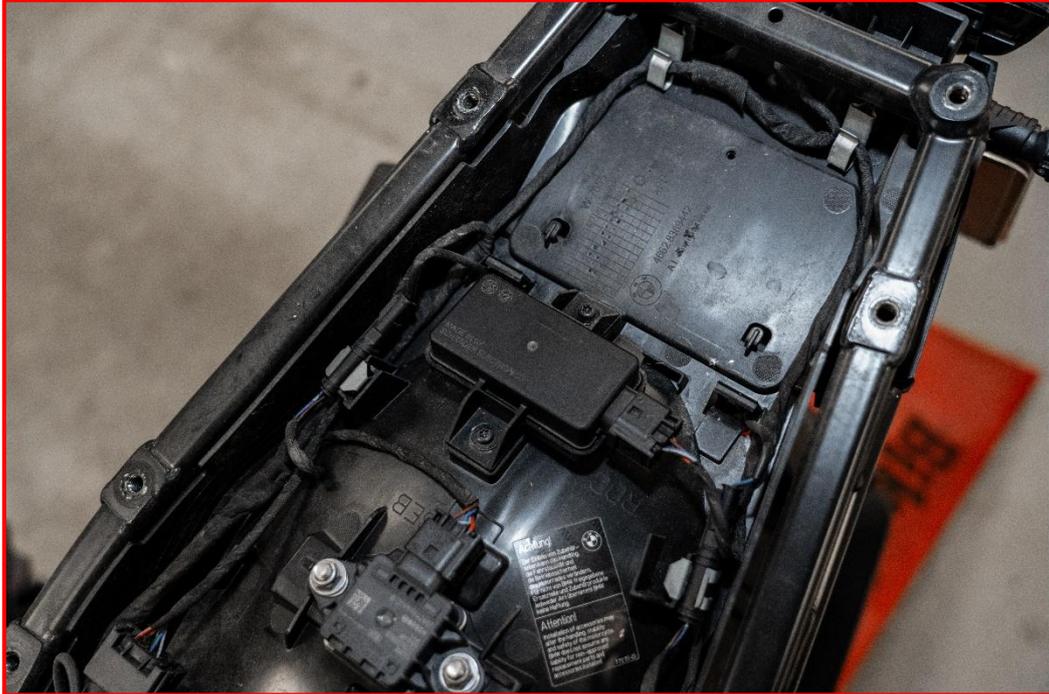
Preparatory work:

Before starting work, disconnect the motorcycle wiring harness from the ground terminal of the motorcycle battery.

Installation:



Disassemble all seats.



Remove the grab handle and rear carrier section.



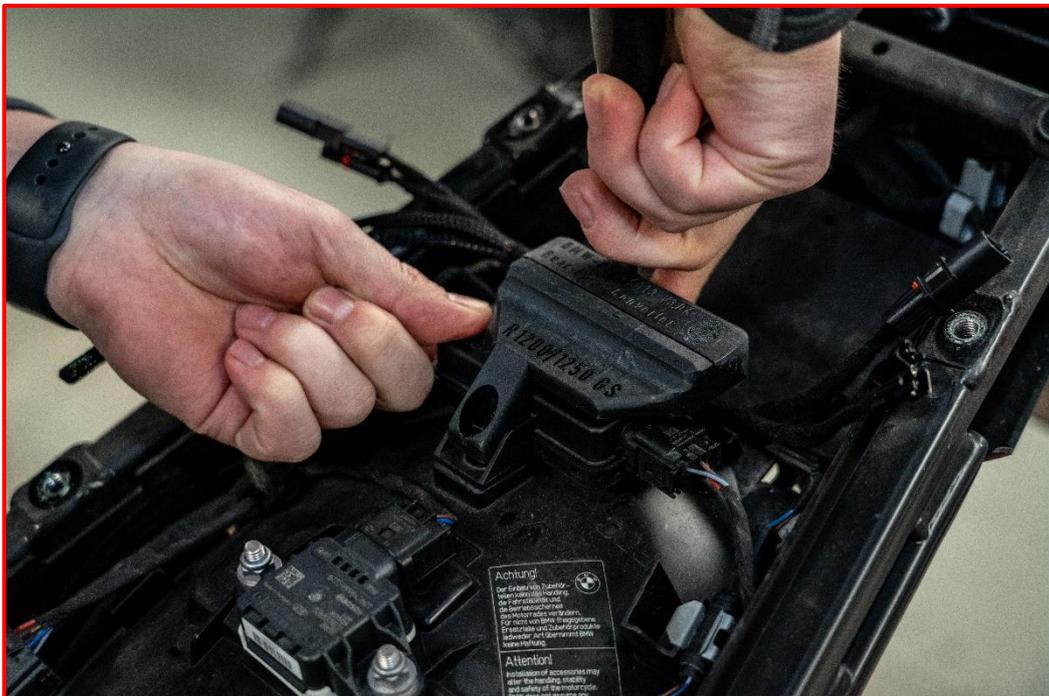
Remove the two screws from the control unit (if present).

(Picture 1/2)

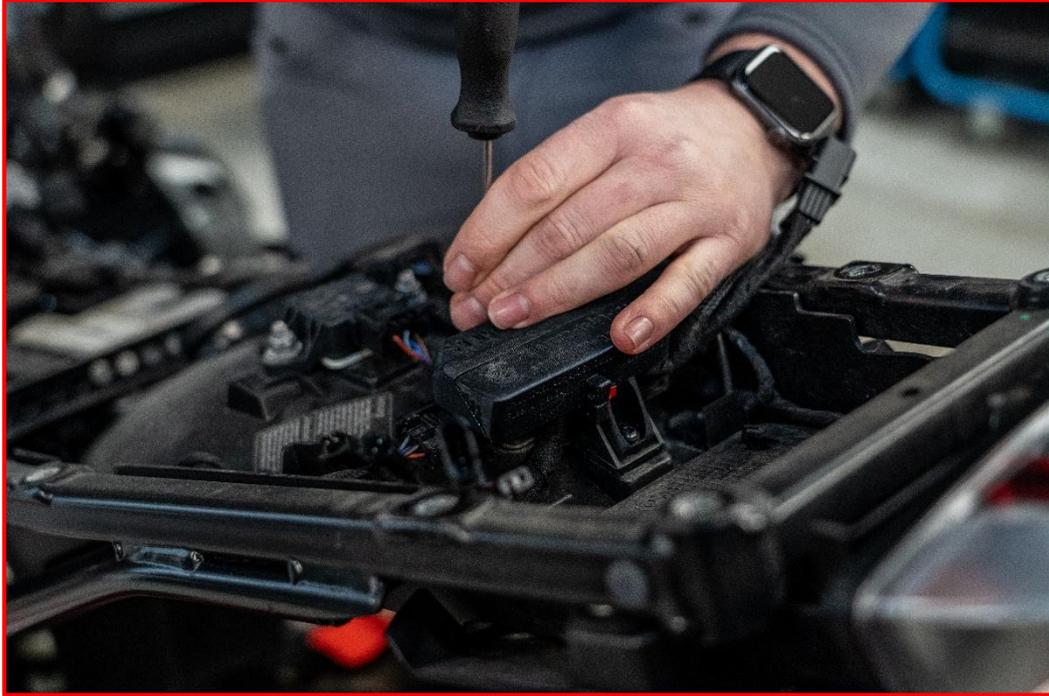


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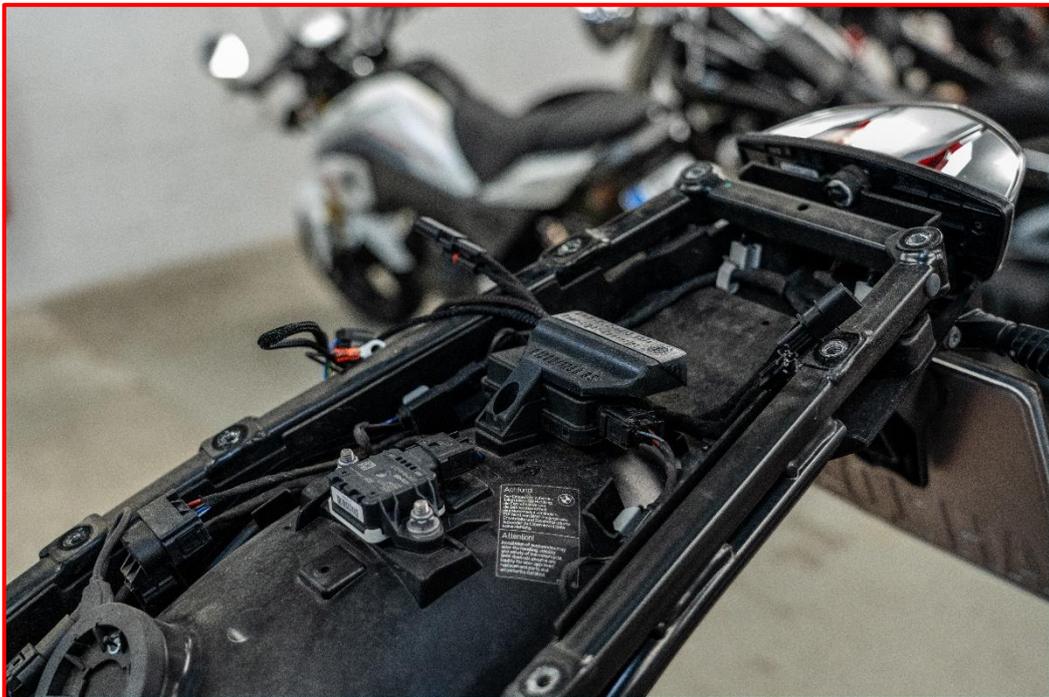
(Picture 2/2)



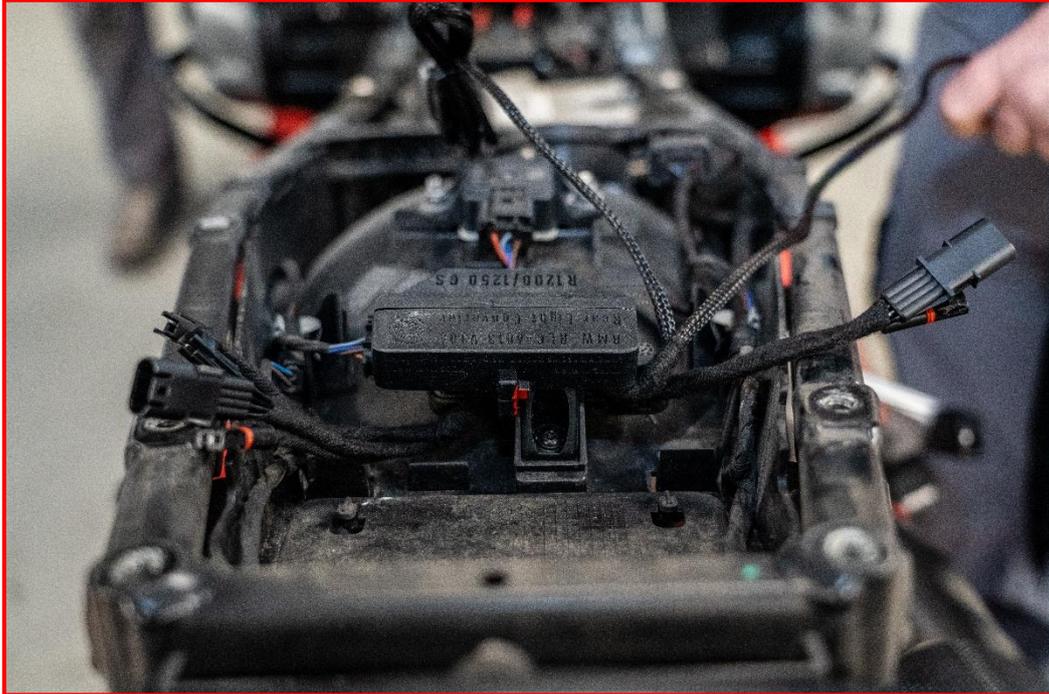
Position the module above the control unit (if present) or at the fixing points provided.



Fasten the RLM and the control unit (if present) with the **enclosed** screws.



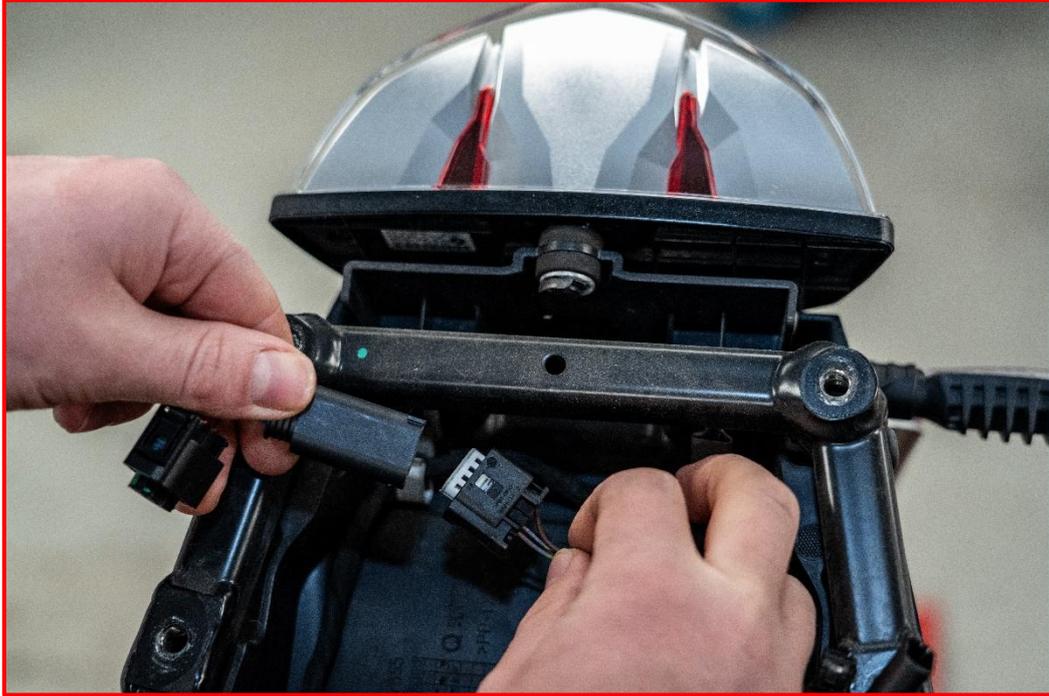
Position of the RLM in the installed state when viewed from the side.



Position of the RLM when installed, rear view.



Disconnect the original plug connection of the rear light.



Insert the rear light plug of the motorcycle wiring harness into the corresponding socket of the RLM wiring harness.



Insert the plug of the RLM wiring harness into the rear light.

(Picture 1/2)



Insert the plug of the RLM wiring harness into the rear light.

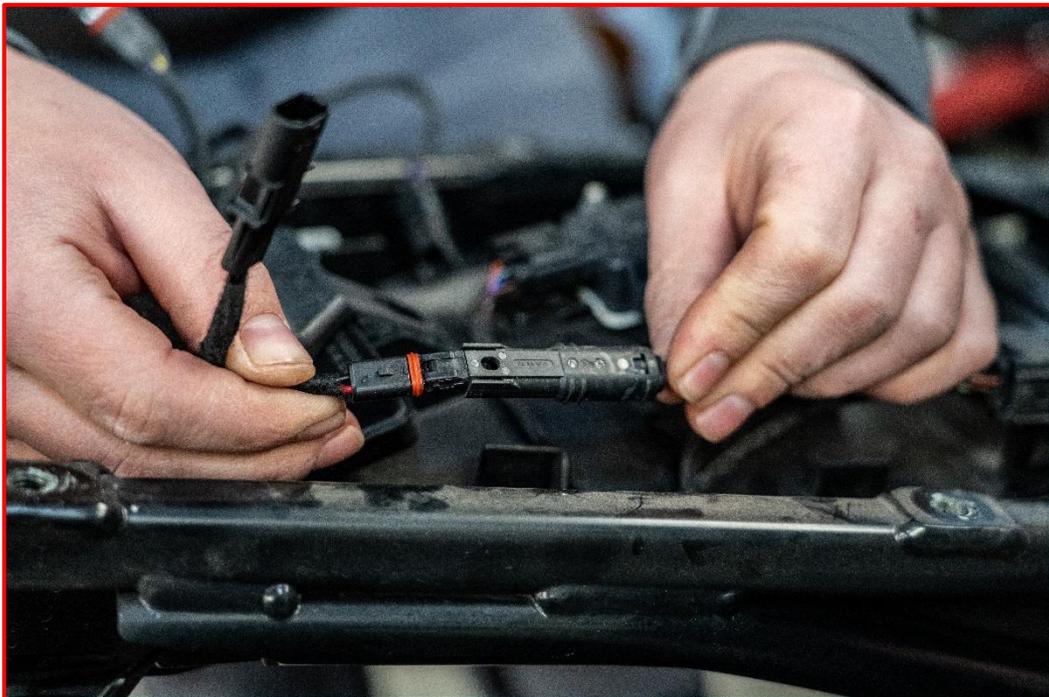
(Picture 2/2)



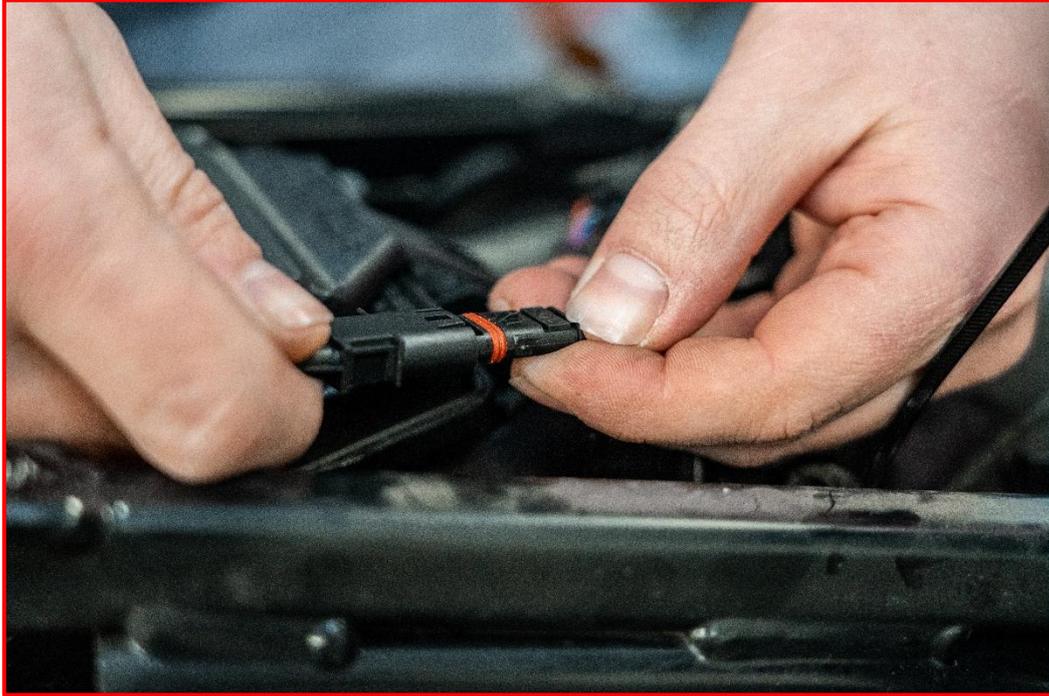
Remove the license plate holder and replace the built-in indicators with the multifunctional indicators.



If necessary, widen the two holes for the indicators in the license plate holder.



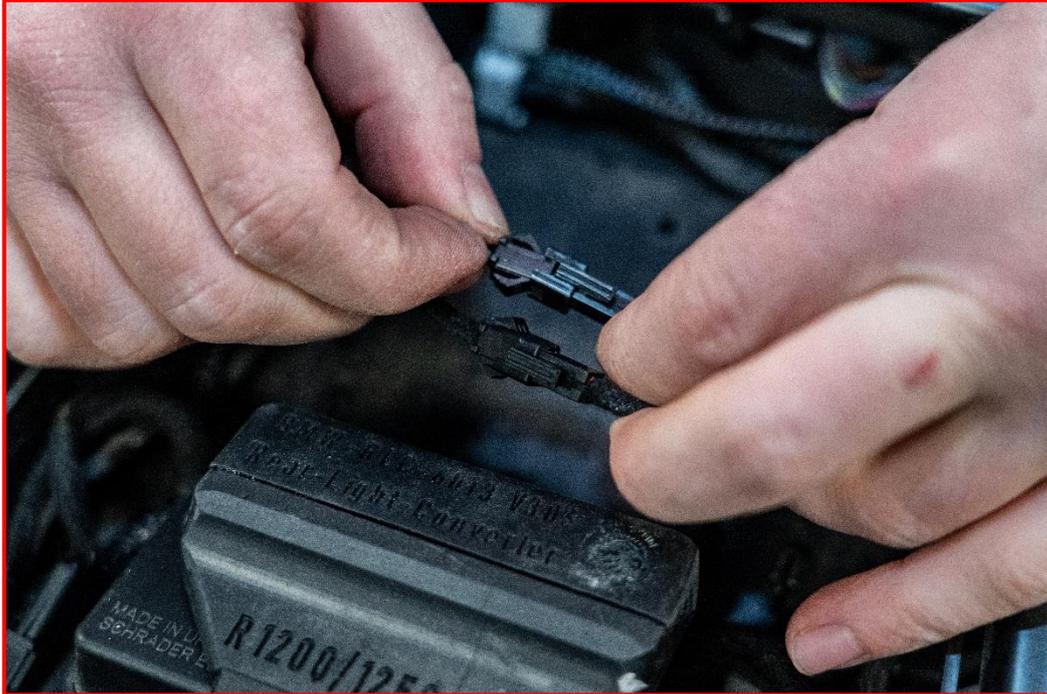
Plug the two rear indicator connectors of the RLM wiring harness into the corresponding sockets of the motorcycle wiring harness.



Plug the two rear indicator light plugs of the multifunction indicators into the corresponding sockets of the RLM wiring harness.



At this point in the installation process, you can decide whether you want to retrofit the cruising light function. If not, skip the next step and do not connect and route the supply lines for the cruising lights.



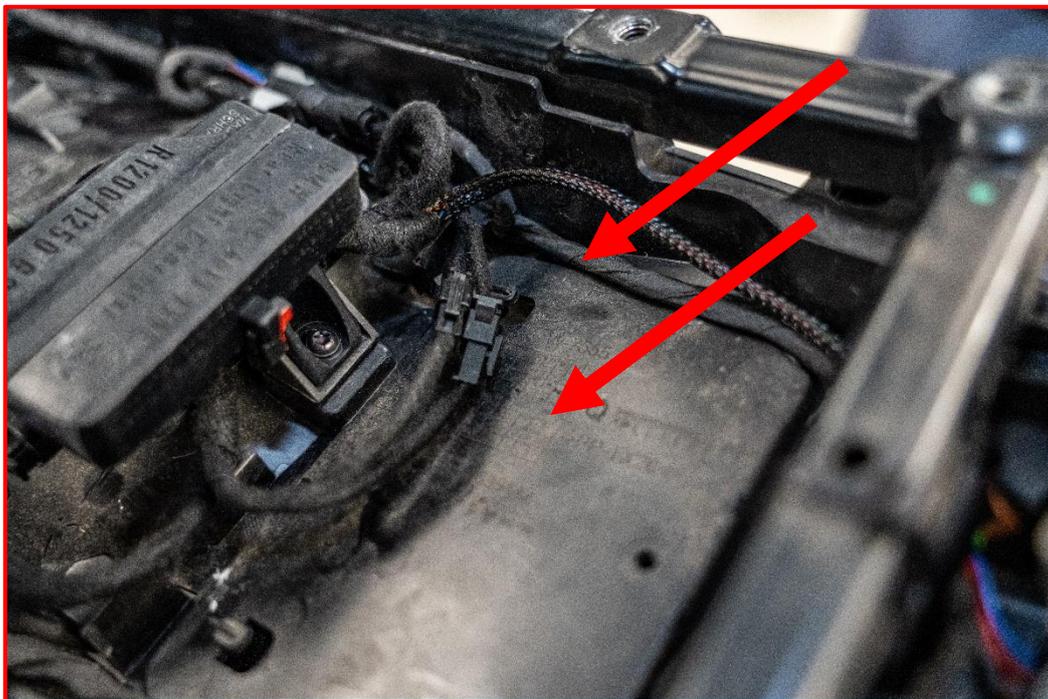
Plug both of the supplied supply cables for the cruising lights into the sockets of the RLM wiring harness.



Insert the rear part of the RLM wiring harness into the original retaining clips (circles) and secure the plug connection of the rear light to the rear frame with a cable tie (arrow).



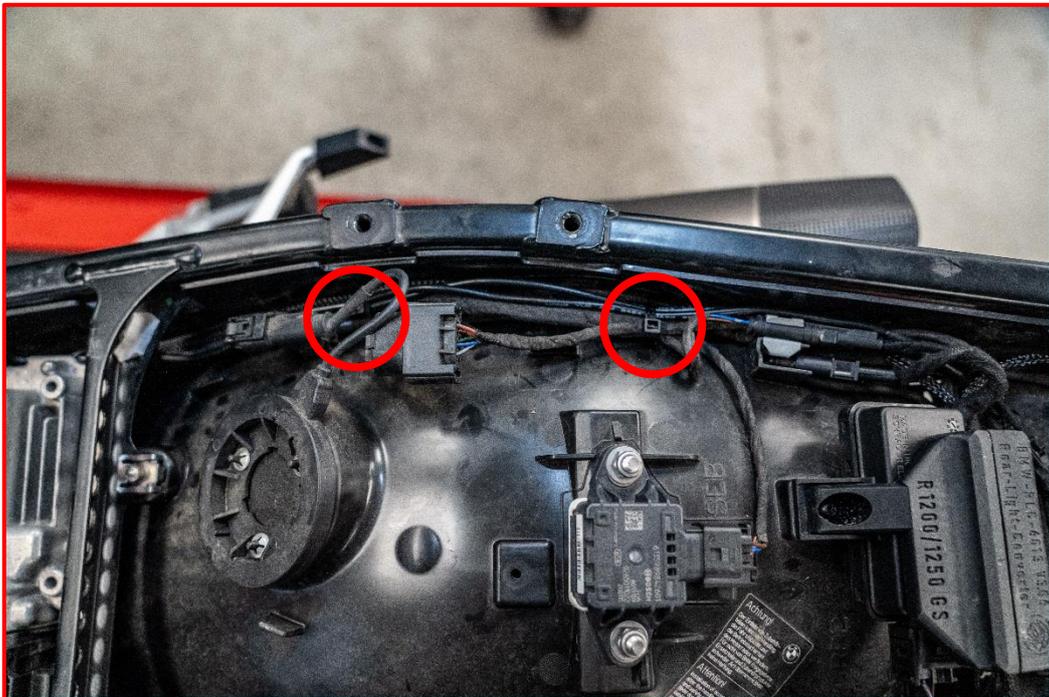
Fasten the two original rear blinker plugs in the retaining clips provided (circle).



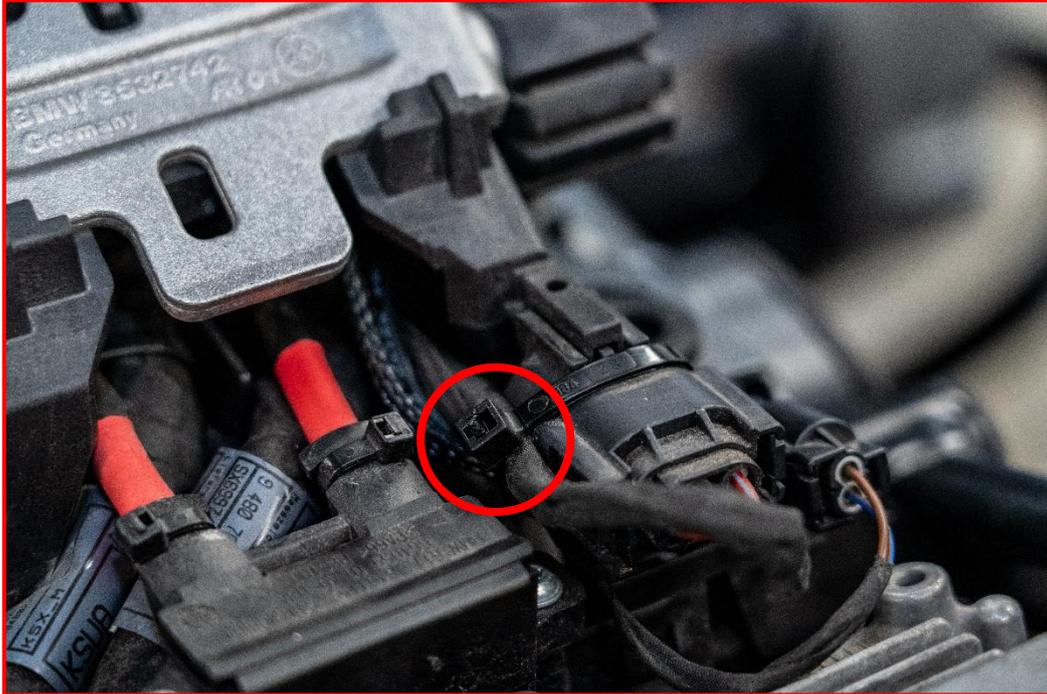
Lay the supply cables for the cruising lights (arrows) and route them together with the power supply cable of the RLM to the motorcycle battery.



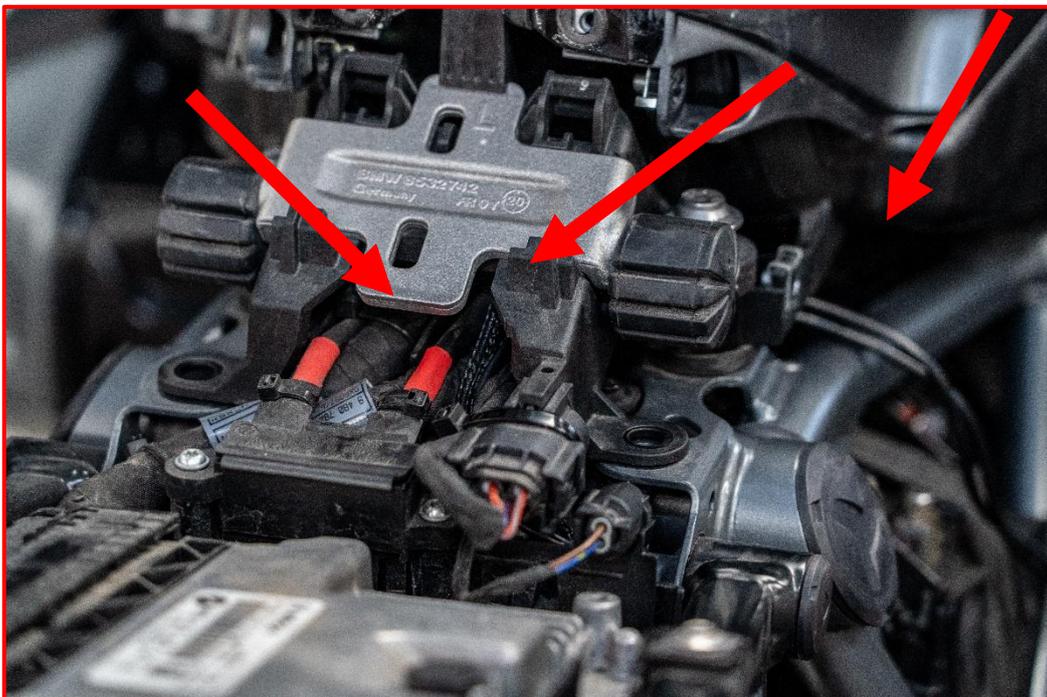
Secure the cables leading to the motorcycle battery to the motorcycle wiring harness using a cable tie (circle).



Secure the cables leading to the motorcycle battery to the motorcycle wiring harness using a cable tie (circles).



Secure the cables leading to the motorcycle battery to the motorcycle wiring harness using a cable tie (circle).



Route the cables leading to the motorcycle battery under the base plate of the seat adjustment (arrows) and under the fuel tank to the right-hand side of the motorcycle above the motorcycle battery.



Attach the cables leading to the motorcycle battery to the front frame (circle) using a cable tie.



Connect the ring terminal of the RLM's power supply cable to the motorcycle's jump start point to the right of the motorcycle battery (circle). Stow the fuse holder of the RLM in the area of the motorcycle battery.

From this point on, the RLM is also functional without the supply lines for the cruising lights and operates the light elements in the rear as required. If you have decided against retrofitting the cruising lights, skip the corresponding steps.

Route the supply lines for the cruising light at the front of the motorcycle to the left and right of the two front indicator connections. No distinction is made between the left and right supply lines.



Disconnect the plug connections of the indicators and plug the indicator plugs of the RLM wiring harness into the sockets of the motorcycle wiring harness and the plugs of the indicators into the sockets of the RLM wiring harness in order to retrofit the cruising light function.



Final work:

After completing the work, connect the motorcycle wiring harness to the ground terminal of the motorcycle battery. It may be necessary to set the current time and calendar date in the combination instrument, please follow the instructions in the manual for your motorcycle.

Check the fuse in the fuse holder of the power supply line of the RLM. In the event of a defective fuse, please only use **1 amps** flat plug fuses.

Complete the motorcycle and carry out a function test.

Product-specific information:

The module is equipped with a so-called **fail-safe function**. If the fuse in the power supply line of the RLM fails, it automatically switches to the lighting behavior specified by the manufacturer. In the event of a fuse failure, please only use **1 amps** flat plug fuses.

If you want to connect the RLM with indicators from other manufacturers (e.g. Kellermann) or change the behavior of the central rear light, the operating mode of the module must be switched. Please contact us at nachruestungen@emotion-ride.de or +49 2206 9198041 for model-specific support when switching the operating mode.

General information:

Opening a module immediately voids the warranty.

After working on your motorcycle's lighting system, always make sure that the lighting and signaling system is working properly.

If you are not sure where the corresponding plug connections are located on your model or if you have any questions, please contact us for model-specific assistance at nachruestungen@emotion-ride.de or +49 2206 9198041. If in doubt, contact a motorcycle workshop in your region for assistance with installation.

If there are any problems with the function of the module or the associated components, please contact us at nachruestungen@emotion-ride.de or +49 2206 9198041.

Scope of delivery when ordering a single RLM:

Description	Quantity
Rear Light Modul	1
Supply cable for Cruising Light	2
Gel connector	4
Screw	2



Scope of delivery when ordering an RLM as a set:

Description	Quantity
Rear Light Modul	1
Supply cable for Cruising Light	2
Gel connector	4
Screw	2
indicators (BMW original part)	2
Multifunctional indicators (BMW original part)	2

