

Installation Instructions & Use Recommendations

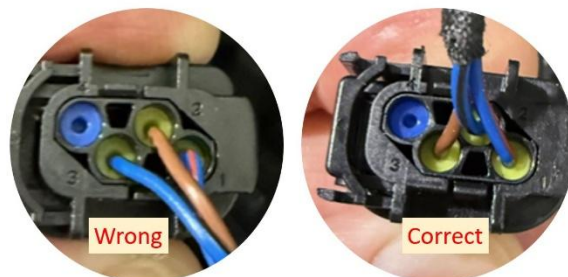
FMS Accessories – Saddlebag Emergency Lights Rear Side

These instructions must be read carefully and thoroughly **before** beginning work. FMS Solutions, LLC accepts no liability for damage caused by failure to observe the installation instructions or use recommendations.

Installation of this accessory does not change the factory specified load limits for the motorcycle.



Note: Saddlebag plug connector positions 2 & 3 were pinned incorrectly from BMW. Check the plugs and if incorrect, lift the white locking cover, using a small blunt tool, depress the back corner of the terminal and pull it out. You can then swap the socket positions – they should lock into place when reinstalled. Note that they are directional and the top of the terminal should align with the white cover side.



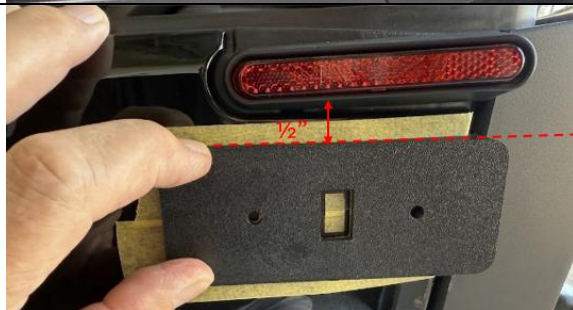
Additional 8x or 10x lights can be mounted to the side of the saddlebags. Based on mounting points on the inside of the painted bag cover, the location shown at right is the best. FMS has produced adapter plates to enable mounting the lights to the painted panels, then securing the painted panels to the bag. The light leads are not very long, so your location choices are limited.

Remove the four M5 screws securing the painted trim panel to the saddlebag. You can “pop” the panel loose without removing the two screws at the front / inside (saves time) when needed.



Mask the painted panel and mark where your drill holes will be. $\frac{1}{2}$ " down from the reflector is the ideal height for the top of the molded light adapter.

Mark the openings with marker.



Drill the 5 mm holes first. Place a bolt in the first hole of the adapter before drilling the second hole to ensure your spacing is correct – you only get one chance at making it straight!

With a Uni-bit, drill an upper and lower hole within the slot, then using a box cutter, cut the side to enable the 4x pin housing from the auxiliary light to pass through the panel. The smaller tapered Unibit also acts like a router with this material and makes forming the shape easy.

The auxiliary light comes with two screws. Use the stock screw for the forward hole. A longer M5 x 20 screw provided with the adapter kit is for the rear hole where it must pass through the thicker portion of the adapter. Snug the bolts – don't over-tighten.

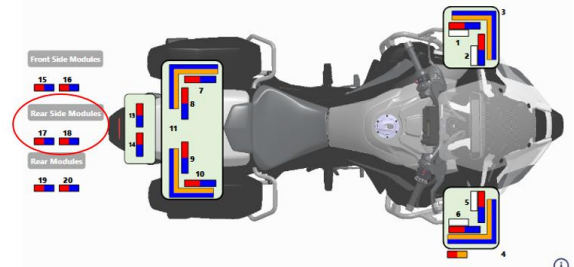
Remove the plug forward of the reflector and pass the 4x connector through the hole. Lay the cable from the light in the path provided and snap the painted panel back into place, causing as little strain on the light cable as possible.

Secure the panel with the original 4 bolts – make sure the panel is sitting even and that the cable was not causing a bulge.

New Firmware was released on 12/12/2025 which corrects a bug in the coding of light positions #17 & #18. Check / update firmware on motors where saddlebag lights are being installed. Firmware version: 6.0203 or later. Once firmware is loaded, reload the config file to ensure all desired functions work.

These additional rear side lights must be "Detected". Press Test to determine which lights are unassigned and in what position.

Click on each of the two positions (17 & 18) and assigned the corresponding unassigned light to that position.

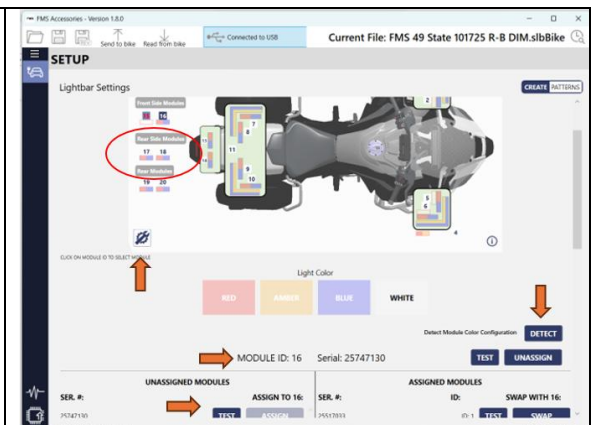


Note that unlike the lights on the K52 series, the KA3 emergency lights are "smart" lights. They are all on one of 4 parallel circuit loops, with power, ground and LIN com wires. They don't know where they are until you "detect" the light (identify the light) and then "assign" them a position (tell them where they are). The assigned position will tell them how to act, such as a left rear duplex light for example. When assigning lights, the actual light retains the position assignment. The config file retains the color choice, based on the assigned position. All optional light positions have a pre-assigned color as noted on the diagram below. When you assign a light to #19 for example, the light will flash Red. If you had assigned it to position #20, it would flash blue.

When new lights are added, they will be in the Unassigned Modules listing.

Press Detect, then press the wrench icon. A listing of assigned and unassigned lights will appear. Make sure to **Page Down** to see the list of Unassigned and Assigned light heads.

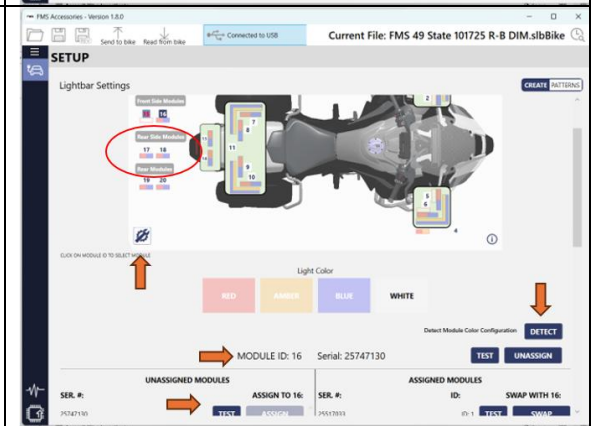
Press Test to verify which light you are working with, then you can assign it to a position.



Click on the position number (in the case at right - #16). You could then click Assign from the list on the left side of the screen. Once you do that, it appears at the top as Module 16. You can Test it again to ensure you have captured the correct module. If not, click Unassign and return it to the Unassigned Modules column.

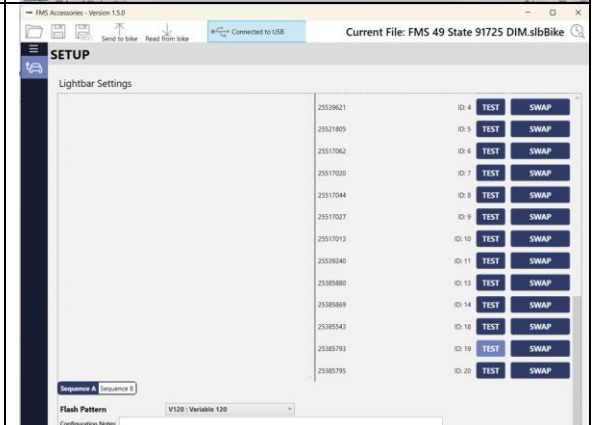
Repeat this process with each light in the unassigned list until all additional lights are assigned.

On rare occasions, the assigned lights from the stock light set are not assigned correctly. Test them and reassign them if needed.



From the Assigned Module list at right, you can click Test for each one to verify if that module is in-fact assigned to the correct location.

If you find an error, you can click on the position you wish to assign, the click Swap with the light that you Test revealed should have been in the position. That will swap their positions. Otherwise, just Unassign them and Reassign them to the correct position.



Feedback: Thank you for your purchase and we welcome your feedback as we too want to make every accessory exceed your expectations. Report any comments, suggestions, problems or concerns to FMS Solutions, LLC at info@fmsaccessories.com.

FMS Solutions, LLC Limited Warranty

FMS Solutions, LLC warrants to the first retail purchaser of new FMS Accessory products, to be free from defects in materials or workmanship, for a period of three (3) years from the original date of purchase as noted on the FMS Solutions, LLC invoice or original dealer invoice, except for paint and powder-coated finishes, which are warranted for the first 12 months only. LED lights from Fenix, Inc., Code 3, Inc. and Littlite are covered for 5 years by their manufacturer's respective warranties – processed through FMS Solutions, LLC.

This warranty extends only to the FMS accessory and does not include: damage caused by accidents or abuse; incorrect installation; labor to diagnose, remove, repair or replace; any consequential damage or loss of use. Any FMS Accessory suspected of being defective should be returned to FMS Solutions, LLC along with a copy of proof of purchase and warranty request form available on the FMS website. FMS Solutions, LLC will determine if the FMS accessory has a warrantable defect, and if so, will repair or replace the item and return it to the sender without charge. The decision to repair or replace said item is solely the prerogative of FMS Solutions, LLC.

Note: Police motors can operate in a very rough environment since police motors are a "tool". They can be dropped, knocked-over, etc. without concern as the officer has a job to do and determines what is necessary at any given moment. Warranty is for defects in materials or workmanship. Therefore, the ability of an item to become broken or damaged does not mean it is warranty ... it just means it is broken or damaged and in need of repair or replacement. No manufacturer warrants their products to be indestructible. Any questions should be directed to info@fmsaccessories.com.