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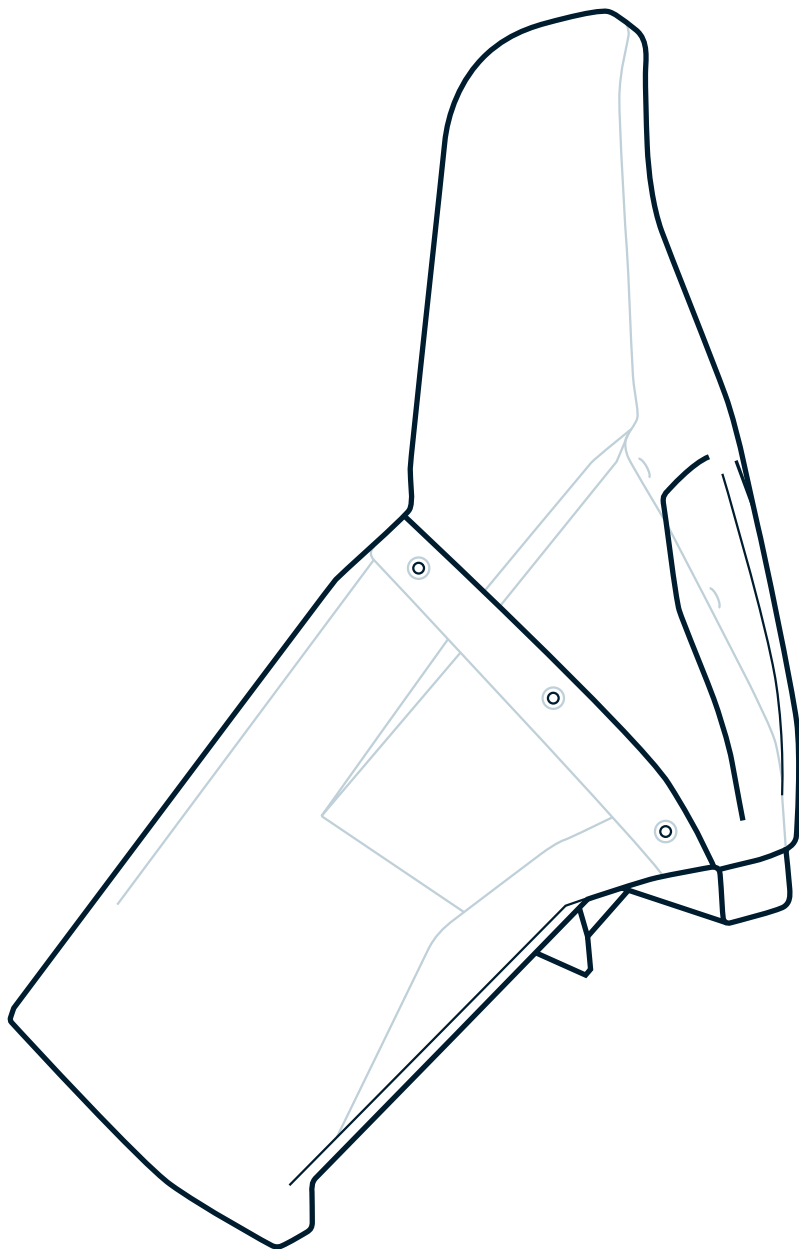
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KTM 690 ENDURO

F2 ADVENTURE KIT INSTALLATION INSTRUCTIONS

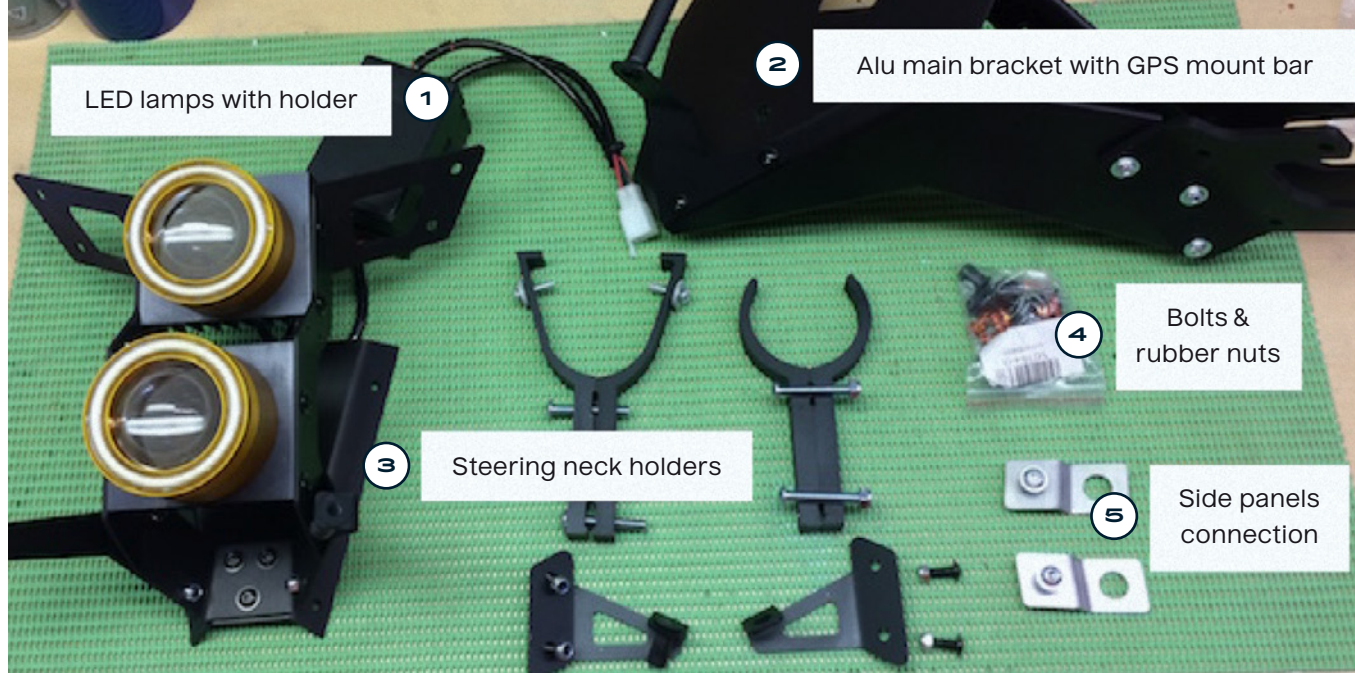
MADE BY ENTHUSIASTS



KTM 690 ENDURO

DEAR MOTORCYCLE ENTHUSIASTS AND RADE GARAGE FANS

Thank you for buying Rade Garage 690 F2 Adventure Kit. Before you start enjoying your 690 as an adventure bike, please read the following instructions. Please note, that to complete the installation you'll need approximately 3-4 hours. The Kit is prepared so that only one pair of hands will be needed. Have fun and enjoy your "new" bike!



1.

At first have a look, what all you get in your Rade Garage box.

- ① LED lamps with holder
- ② Alu main bracket with GPS mount bar
- ③ Steering neck holders
- ④ Bolts & rubber nuts
- ⑤ Side panels connection
- ⑥ Transparent windshield
- ⑦ Side fairing including LED turn signals and graphics decal
- ⑧ Carbon connection part



- The picture on the left is what your bike should look like right before you put on the windshield and side panels. The picture on the right is what your bike should look like with everything installed.



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TIP:

It is highly recommend you install everything finger tight first to ensure proper fitment and alignment, then progressively tighten each screw with great care, do not overtighten these screws. On bolts that DO NOT have a nylon-insert lock nut, I recommend using blue Loctite on the bolt threads.



Remove the Headlamp first

1.

Remove the OEM headlight.

- Unplug/unbundle all cables from the black plastic part so that it is empty (see pix). You totally remove this part from the bike.

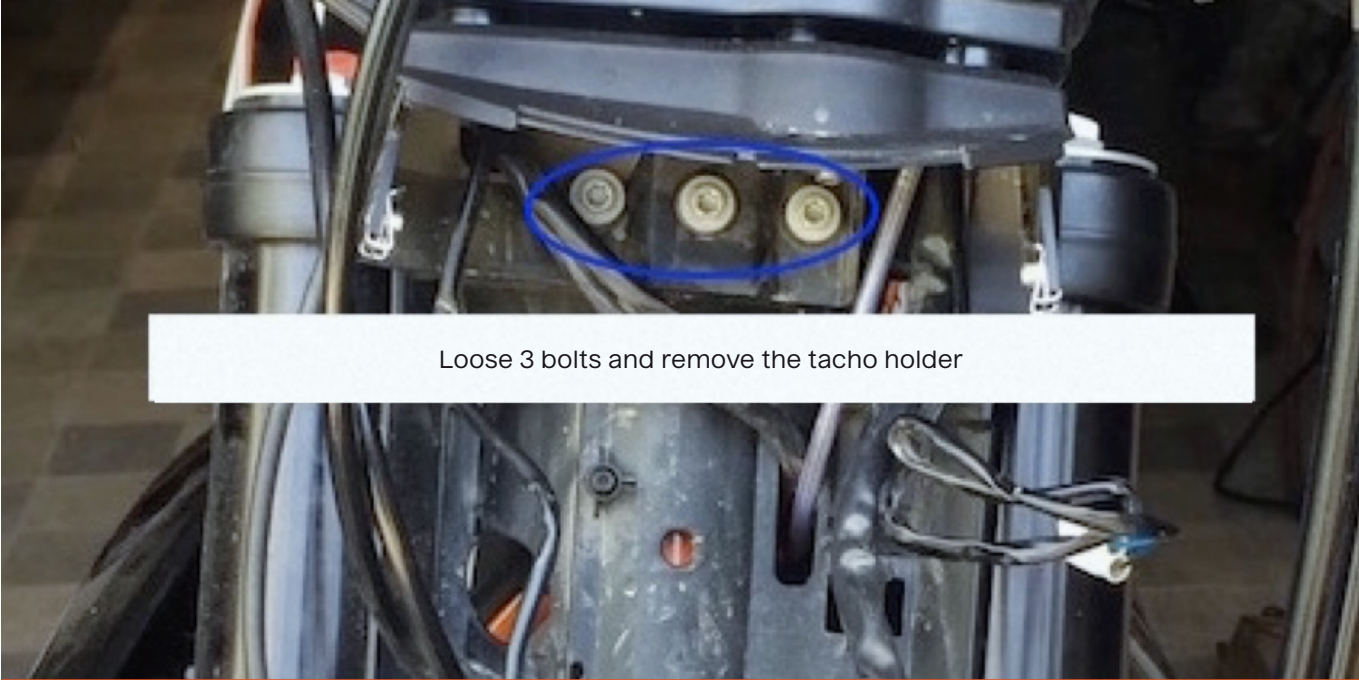


2.

- And you will see this ... but don't get scared! Remove it all ...
- ... remove all cables and cut zip-ties


3.

- Also remove the speedometer holder and speedometer.



Loose 3 bolts and remove the tach holder

- If you have a 2014+, you have to disconnect the cables from electronic/fly-by-wire throttle. The next three pictures outline this procedure.
- You will find the connectors under the seat in front of air box. It is easier when you remove the side panels first. You will have to do it anyway...



Unplug the cables from electric gas under the seat first and then take them out



To get out the cables, cut with a knife the plastic part here



4.

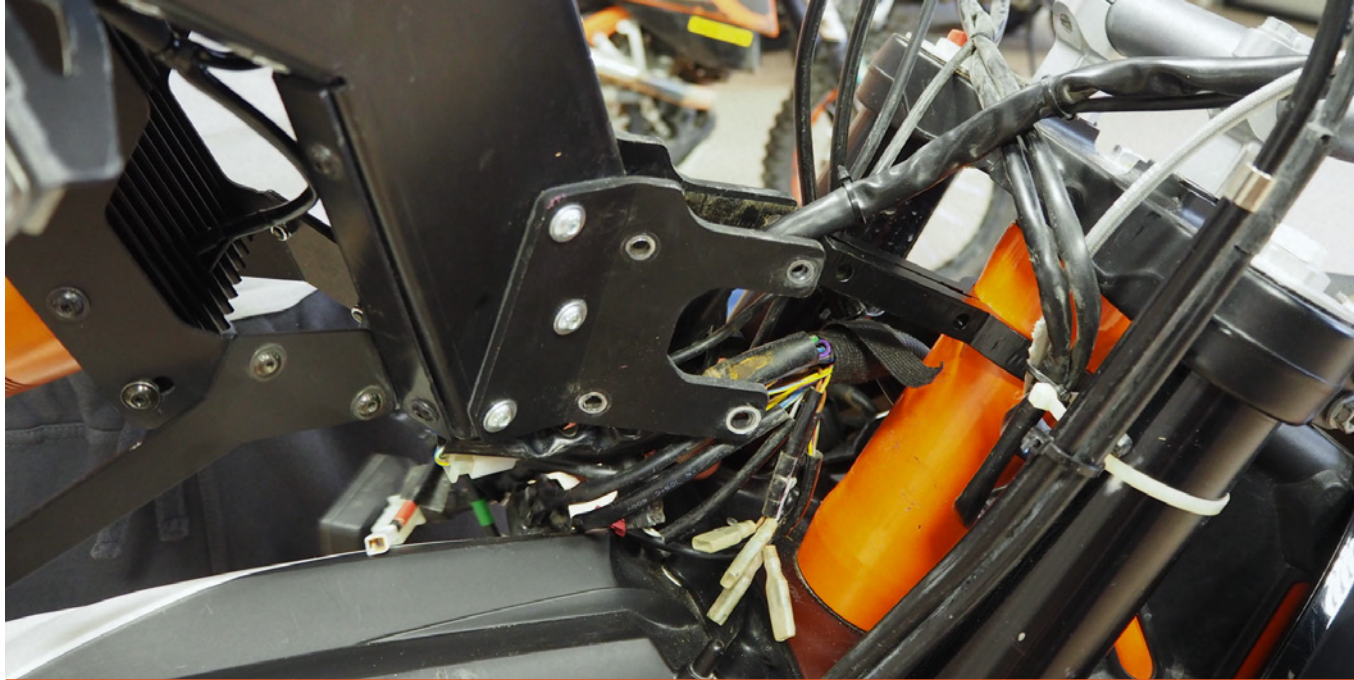
- To get the cables through, you have to remove/cut some of this plastic (knife, razor blade, etc.).

5.

- Install the upper clamps. Note, remove the OEM bolts and replace with the supplied M5 × 20 bolts (where the purple arrow is pointing).

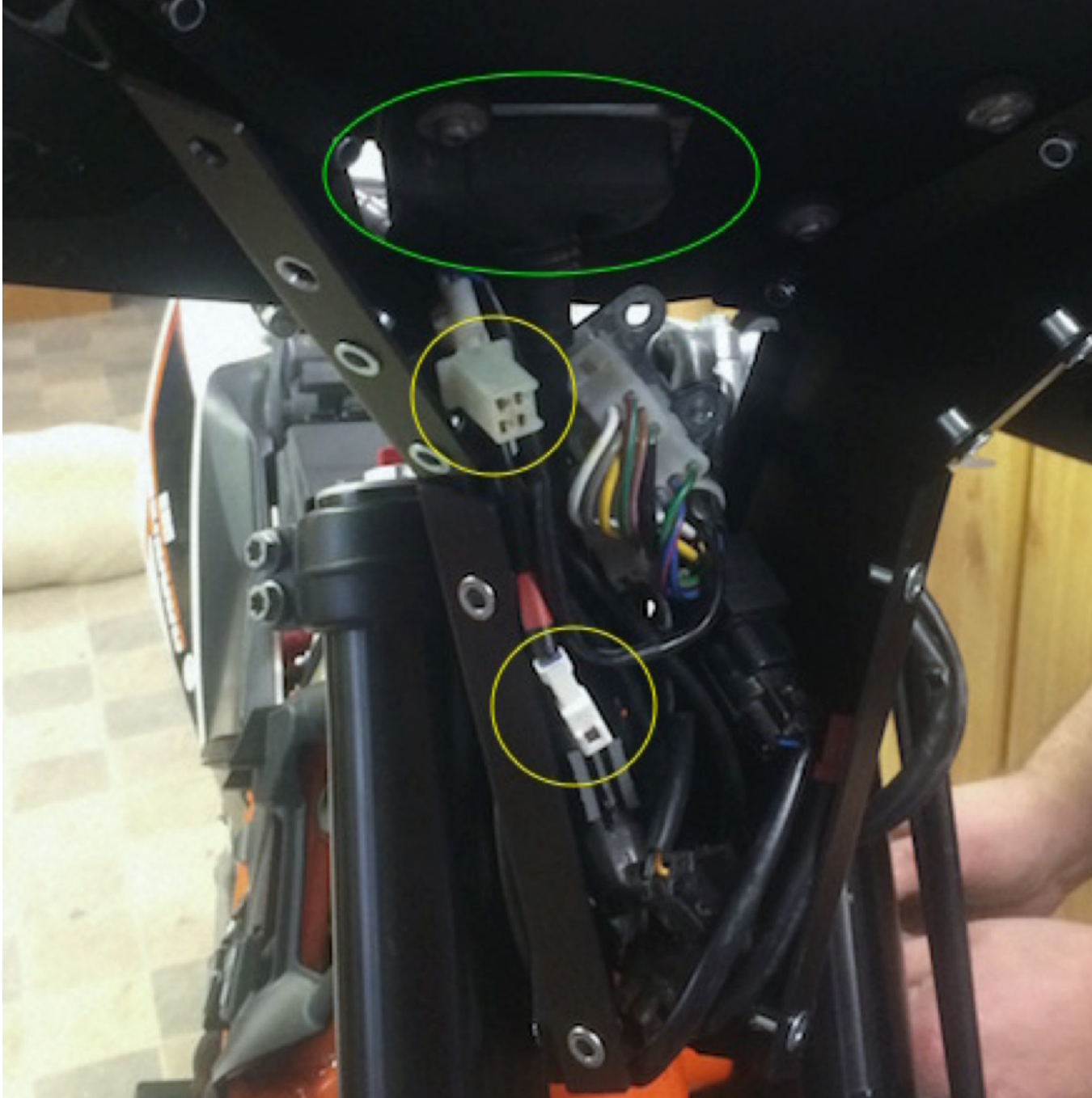
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TIP:

strictly follow the order of 5b, 5c and 5d.



- Insert the main bracket and secure with the ONLY M6 × 40 bolt and nut as on the picture below.
- Insert the main electric cable from the bottom into the main bracket.
- Insert the low clamps and secure both clamps with M6 × 40 bolts and nuts. Do not tighten them all the way yet!





6.

- Now remove the OEM speedometer from the OEM plastic holder. Also remove the rubber grommets from the OEM speedometer mount and insert them into the F2 top plate (instrument panel). Next, insert the speedo, connect the wiring harness, and secure it from bottom with OEM bolts – tighten very carefully because these bolts go into plastic!

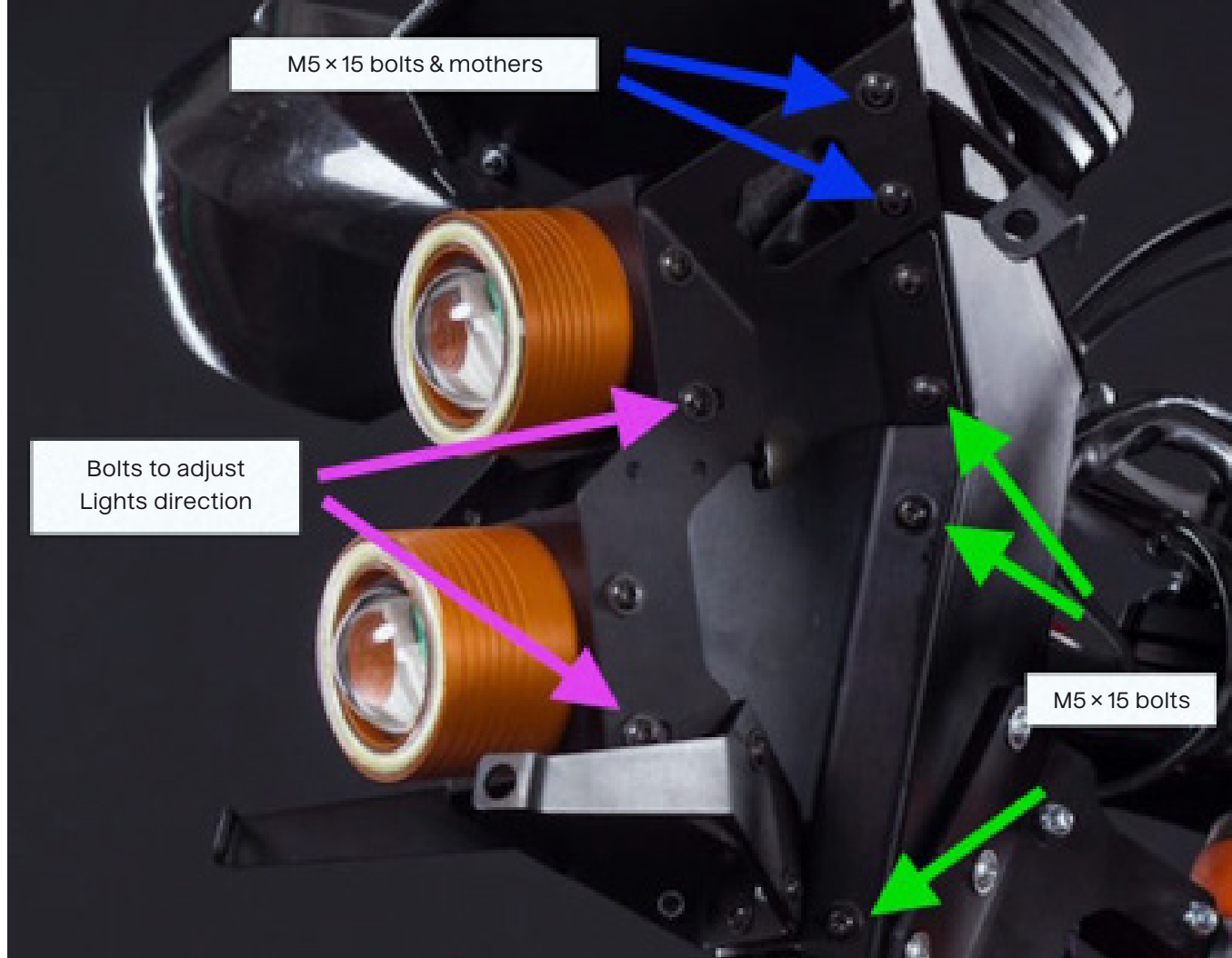
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TIP:

the length of the speedo electric cable is long enough. If it seems too short, than reshuffle the order of the cables so that the speedo cable is on top of the bundle going from the main harness.

- Connect all electrical connectors together again and make sure the sockets for Lights and Turn signals are visible.

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TIP:

there still must be space for the LED Ballast box.



M5 × 15 bolts & mothers

Bolts to adjust
Lights direction

M5 × 15 bolts

Before you proceed!

- Make sure all the electrical wiring are well connected. My tip – switch on the key and check speedo function ... put on and off the ABS unit.
- Take the F2 LED headlight assembly, and holding it in one hand, plug it into the wiring harness to ensure it is functioning properly (low beam, high beam).
- Disconnect the F2 LED headlight assembly and turn the handlebars left and right to make sure all cables are long enough and not pulled to tight.
- Fully tighten the M6 × 40 bolts on both the top and bottom steering neck clamps and make sure the clamps are solidly in place.



7.

Next you install the F2 LED headlight assembly:

- Plug the F2 headlight into the OEM headlight electrical connection.
- Make sure you can later reach the connectors for turn signals.
- Fasten the LED lights holder to the main bracket.
- The covering plate insert after you fasten the LED holder.



Put the connecting part
between the side panels

8.

- You have to dismount the side panels and insert the connection part – and if you have some time, clean them ...



9.

Put the windscreen on first.

- Before you start mounting the windscreen, insert the rubber nuts into the windscreen bolt holes!
- Insert the screen with rubber nuts into the windscreen bracket holders.



- Now insert the carbon connection part between the side fairings. To connect the carbon connection part to the fairing panels use the 4× rubber nuts and M5×16 bolts.



- After mount the connected fairing panels to the windscreen and to the OEM side panels.

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CONGRATULATIONS ON A SUCCESSFUL INSTALLATION!

I hope these instructions helped and you enjoy the extended range of your bike and the freedom which it brings. If you have any questions about installation, feel free to send us an email at rade@radegarage.com

RIDE HARD, RIDE SAFE!
YOUR RADE GARAGE TEAM

