

Fitting instructions for Lynx R & S Fairings – KTM 690 2019 model on

Thank you for purchasing the Lynx fairing

- 1 x Fairing
- 1x Screen
- 2x 35mm thumbscrews threaded into two plastic sliders and Nylock nuts.
- 2x 16mm M6 screws
- 2x 30mm M6 screws
- 2x 30mm M6 Flange bolts
- 2 x plastic washers
- 2 x M6 Flange Nuts
- 2 x 10mm aluminum Spacers
- 1 x Black Aluminum Support Plate
- 1 x Aluminum bottom bracket with threaded bolt, washer and Nylock nut
- 1 x ABS Dash.
- 1 x Wiring Harnes

Removing the OEM parts

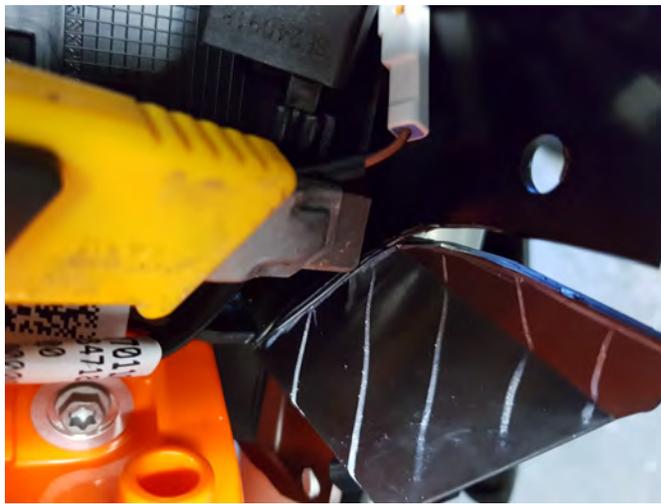
- Secure the Motorcycle in a vertical position.
- Remove the seat
- Remove OEM fairing and unplug the headlight terminal
- Unplug the speedo terminal and remove your OEM instrument unit from it's mounting. You will be re-using the 2 screws and rubber grommets to attach the instrument to the Lynx Dashboard.
- Unplug and remove the triangular ABS warning light
- Remove the three indicator lights. The small bulbs just pull out of the bottom of the white section on each indicator housing, but mark them to make sure you know which light goes into the correct indicator lense.



Modifying the OEM Backing plate

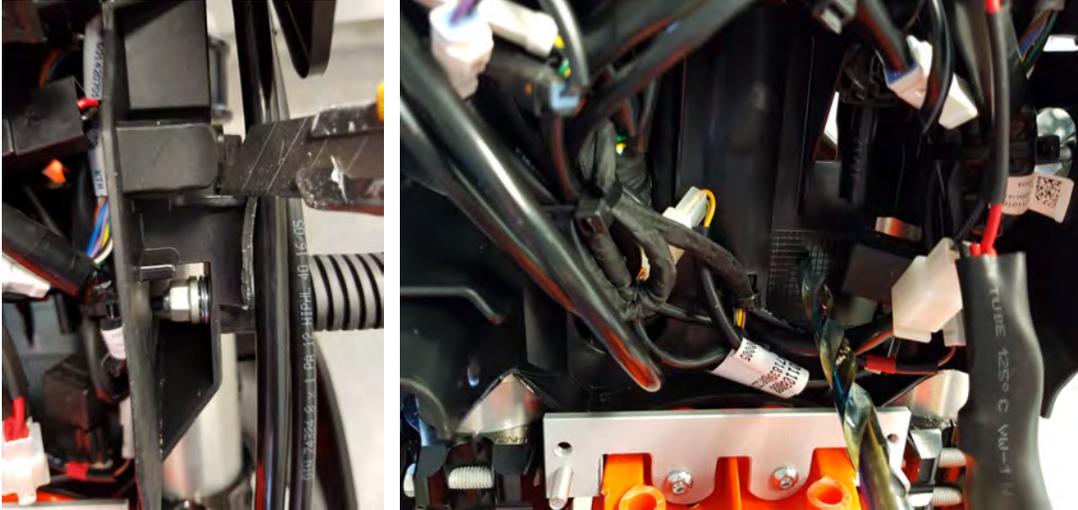
In order for the Lynx fairing to fit, you will need to carry out some cutting and trimming to the OEM black plastic backing plate. This will not prohibit the OEM headlight from being refitted if required.

- Using a sharp knife, carefully cut and trim both sides of the backing plate as shown in the photos



Right side (direction of travel) Left Side (direction of travel)

- Trim off the side of the front brake cable guide and allow the front brake cable to rest outside it as shown



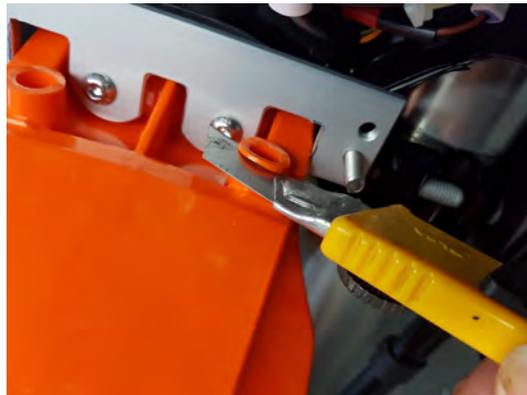
- Drill an 'access' hole' through the backplate in the 'hatched' area as shown in the photo. This hole is used later to access the low beam height adjuster screw.

Fitting the bottom bracket

The aluminum bottom bracket bolts to the bottom triple clamp in front of the front fender as shown here :

- Undo the two bolts holding the front fender to the bottom triple clamp (you will not re use these)

Fit the bracket into place using two 30 mm M6 button head bolts (provided) with a 10mm spacer (provided) on each screw to position the bracket 10mm forward of the fender and locate into the same fender mounting holes and tighten. You can use some non-permanent thread lock on these bolts



Re fitting the indicator lamps and ABS triangle to the Dashboard

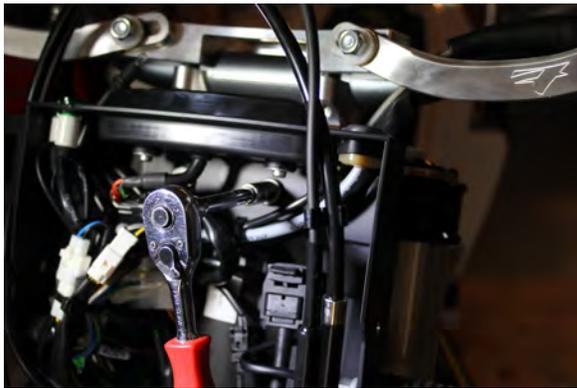
Before you fit the dashboard to the motorcycle, it is easier to relocate the three indicator lamps and ABS triangle into the pre drilled holes in the dashboard. Each indicator lamp has a small raised area in the 12 o'clock position on the side of the lens. Use a knife or small file to cut a 'slot' in the corresponding 12 o'clock position in each of the pre drilled holes. This allows the lenses to sit down flush in the recessed pre drilled holes.



Use some silicone on the inside to hold these items in place, but DO NOT use a strong glue as you may wish to remove them at a later date.

Fitting the Dashboard

Undo the two bolts holding the plastic backplate to the front of the top triple. (You will not re use these bolts)



- Pull the plastic back molding forward which allows you to slide the dashboard flange in behind. Then slide in the Aluminum Black support plate (included in the kit) in front of the dashboard flange.
- Using the 30mm M6 Flange bolts provided, line up the holes and fasten the OEM Backplate + Aluminum support plate + dashboard flange together to the top triple and tighten.
- **This is a bit tricky so be careful not to cross thread the bolts into the top triple clamp**

If you have purchased the optional Fuse box and accessory kit, read those separate instructions carefully now, before proceeding further here.

You will now have a good idea how the dashboard looks and the most important part of your installation is the fitment of your instruments. Although the dashboard comes pre cut for the re location of the ABS and indicator lights, there are many different configurations open to you to customize your instrumentation as you see fit.

Check from the riding position where you would like to mount the speedo making sure you view is not hindered by the front Brake line. Make sure that there is enough cable to reach the speedo in your desired position and you may need to snip the cable tie on the Backplate to give you more cable length. See following photos

- Mark the position of the speedo and any other instruments .
- Copy the hole pattern from the OEM speedo mount and drill the same holes on the dashboard. **Make sure it is level before drilling.**
- Re use the two rubber grommets from the OEM speedo mount and screw the speedo into position with the OEM screws.
- Re connect the speedo cable and the ABS cable and re insert the indicator bulbs into the back of the three lamps.



Wiring Harness for the lights

The wiring harness comes complete and is entirely plug 'n play. However, for your information the wiring is configured so that when switched to low beam, the low beam projector lamp is ON and the Squadron High Beam lamp is ON but dimmed to 20%. When you switch to High beam, the low beam remains ON and the High Beam is 100%

You will see that there are 2 other wires (Black and Red) with connectors and these are used to plug into the optional fuse box wiring harness to trigger the relay. However, if you do not have the fuse box, these can be used as a switched power source, but **must**

only be used for a low power accessory or you could overload your lighting circuit

- Plug the white Hitachi terminal into your OEM headlight terminal

Fitting the screen

- Fit the screen into the tracks on the front of the fairing inserting a thumbscrew on each side and screw into the black slider on the back of the fairing. **Be careful not to cross thread the screw into the plastic slider.**
- Now fit the nylock screw onto the end of thread. This is just a backstop to avoid losing the slider and should only be turned enough to stay secure (see pic)



Fitting the Fairing

If you have the optional GPS mount then refer to those fitting instructions now.

First, make sure that you strap up all the wiring at the back of the dash. Particularly, make sure the steering sweeps cleanly from side to side without pinching or stretching any of the wiring.

- Rest the fairing on the front fender (holding on to it !) and attach the light terminals and then slide the bottom of the fairing onto the two captive bolts on the bottom bracket.
- In order for the fairing to move back into position, you need to press the right side (in travel direction) of the OEM backing plate inwards so that it slides inside the fairing as shown in the photo :



- Now you can sit the fairing back in place, but make sure you are not pinching any wires inside as you do this .
- Then loosely clamp the top of the fairing and dash together using two 16mm button head screws and flange nuts No need to tighten yet, because you may be removing the fairing to adjust the lights.
- The front brake cable can either run in front of the left indicator stalk and through the recess in the dashboard, or we found it less obtrusive from view when running behind the indicator stalk.
- Now turn the ignition on and check the operation of the lights.

Adjusting the lights

High Beam Lynx R and S: The LED is attached to the frame with a bolt on each side (see photo). To adjust the lamp, you can normally push the top or bottom outer rim of the lamp from the front and it will move a little. You will need a bit of force so **DO NOT** press on the lens of the lamp.

Lynx R Low Beam : The LED low beam is the most critical to set correctly and it's also the easiest to adjust. The lamp is retained by 3 adjuster screws and you should not need to adjust the top two and just use the bottom one for height adjustment (see photo).

In order to adjust the bottom adjuster screw with the fairing on, turn the handlebars to the

right and make height adjustments using a Philips screwdriver (see photos) through the access hole you drilled earlier. Turn **CLOCKWISE** to lower the beam height, **ANTI CLOCKWISE** to Raise the beam height.



LYNX S Low Beam

The Lynx S Low beam is adjusted using the thumbscrew at the bottom of the lamp. Turn Clockwise to lower the Beam height



IMPORTANT : If your height adjustment causes either lamp to touch the fairing openings it will cause an annoying vibrating noise and excessive wear. In this case, remove fairing and bring the lamp rearwards using the top and bottom adjusters

When you are happy with the light adjustment, re-attach the fairing. Place a SS washer before fitting a nylock nut on the rubber grommet and tighten.

A plastic washer should be fitted under the screw head on the fairing side of the top mount before securing with a flange nut on the dashboard side.

Decals

Included in the kit is a decal pack containing some different shapes and colours for you to apply if you wish. Application is the same as most decals and is best done by wetting the fairing surface first and then using a squeegee to smooth any air bubbles out.

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