

Fitting instructions for Lynx R Fairing – KLR 650

Parts List

- 1 x Fairing and screen with two thumb twists threaded into two plastic sliders with locknuts
- 4 x 16mm M6 flange bolts
- 4 x M6 Nylock washers
- 2x16mmM6 machine screws
- 2 x plastic washers
- 2x M6 Flange Nuts
- 2x Aluminum Spacer washers
- 1x Aluminum bottom bracket with M6 bolts and locknuts.
- 2x Aluminum Dashboard brackets
- 1 x ABS Dash
- 1 x Wiring Harness

Removing OEM parts (2008 on model)

There are quite a few OEM parts to be removed from the Motorcycle so, it is a good idea to take some photos of the process, so that you can return the OEM parts to the bike if you ever needed to.

- Secure the Motorcycle in a vertical position.
- Unbolt and remove all of the front bodywork including the lights, headlight frame, indicators and the splash guard bolted to the bottom triple clamp .
- Remove the instrument cluster and the speedo cable.
- Remove the cable guides from the top fork pinch bolts.
- Remove the front fender

When you have finished removing all the parts, the front of the bike should look like the photo, with your electrical parts hanging loosely for now.



Removing OEM parts (2007 model and earlier)

- Remove the Indicators
- Remove the OEM fairing
- Unbolt the headlight and it's frame from the headstock (2 bolts)
- Remove the front fender
- Remove the OEM speedo and cable, but leave the wiring cover beneath it.

Fitting the Lynx Dashboard

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

The dashboard fits to the top triple pinch bolts using the two brackets included in the kit as shown here :



- First of all, fit the brackets loosely to the dashboard using the 4 x 16mm flange bolts and Nylock nuts. **It is important not to tighten the brackets at this stage as the dashboard will need to move a little to match up with the top of the fairing at the next stage.**
- Now attach the dashboard brackets to the top triple pinch bolts as shown and tighten.

Fitting the bottom bracket

- The Lynx R bottom bracket fits under the front fender using the front bolts as shown.
- Starting with the rear bolts, loosely 'hang' the fender using an aluminum spacer washer on each bolt to compensate for the thickness of the Lynx Bracket on the front bolts.
- Now fit the bracket at the front and tighten all 4 bolts



Test fit the fairing (2008 on model)

When the Fairing is test fitted, you will see that the back of the Low beam LED will hit the OEM bracket welded onto the headstock. Try and tuck all of the loose wiring out of the way while you do this and then locate the bottom of the fairing onto the two studs. As you bring the top of the fairing towards the top of the dashboard and look to see how much of the OEM bracket will need to be cut to allow it to fit.

2007 and earlier models do not require the bracket to be cut



Use a hack saw to remove the material from the bracket, but only cut enough to allow the back of the bulb to clear, so that the bracket can still be used if the bike is returned to the OEM fairing at any point in the future.

- When you have trimmed the bracket, connect the top of the fairing with the dashboard using the 16mm bolts and flange washers from the kit.
- This now allows you to tighten the 4 bolts attaching the dashboard to the brackets you installed loosely earlier.
- When you have tightened the dashboard brackets, remove the fairing.

Indicators

Whilst the OEM indicators can be re fitted onto the Predrilled holes on the dashboard sides, they are a bit bulky and this is an opportunity to fit some smaller LED units. Either way, fit the indicators into the pre drilled holes on the each side of the dashboard and plug them back into the OEM wiring.



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 15%. When you switch to High beam, the low beam remains ON and the High Beam comes up to 100%

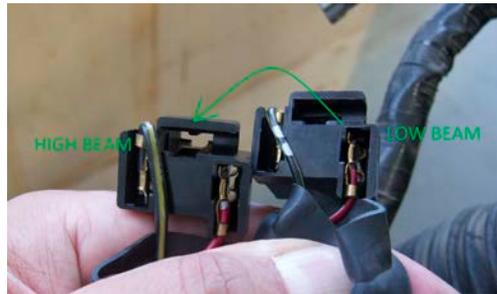
You will see that there are 2 other wires (Black and Red) with connectors and these are used to plug into the optional fuse box wiring harness to trigger the relay. However, if you do not have the fuse box, these can be used as a switched power source, but **must only be used for a low power accessory**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

2007 and earlier models

- Plug the 3 pin H4 terminal into your OEM headlight terminal

Plugging the wiring harness into your OEM wiring (2008 on model)

- Establish which of your two OEM headlight terminals is the High beam
- Remove the positive female spade connector from the plastic LOW BEAM terminal and insert into the empty slot on the High beam terminal. You will not need the remaining LOW BEAM terminal and ground wire, so strap it up out of the way



Fitting the Fairing

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

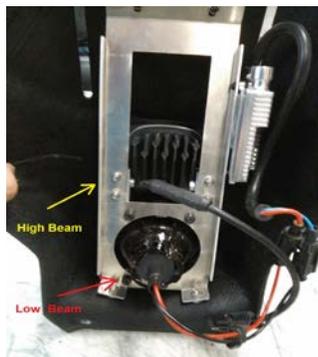
Make sure the steering sweeps cleanly from side to side without pinching or stretching any of the wiring. The only wires that need to be kept free are the two headlight terminals that you will plug in when the fairing is fitted.

Attach the light terminals and then slide the bottom of the fairing onto the two captive bolts on the bottom bracket as you did before. Then loosely clamp the top of the fairing and dash together using two 16mm button head screws and flange nuts. Do not tighten yet.

- Now turn the ignition on and check the operation of the lights.

Adjusting the lights

High Beam : 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 and it will move a little. You will need a bit of force so **DO NOT** press on the lens of the lamp.



Low Beam : The HID 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 access the bottom adjuster with the fairing on, turn the handlebars to the right. Make height adjustments using a Philips screwdriver (see photo) Turn **CLOCKWISE** to lower the beam height, **ANTI CLOCKWISE** to Raise 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 (turn adjusters Clockwise)

- 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.



Final Check

Make sure that all components are secure and that you have free movement from side to side with the handlebars.

Adjusting the screen

- Operation of the adjustable screen is straightforward. It is designed to slide down completely when off road and can be adjusted to suit at highway speeds. Riders over six foot, particularly on a tall seat may find the screen in it's highest position can cause buffeting. We recommend you experiment with different heights, because a lower position can give a smoother airflow..
- **Do not over tighten the thumbscrews**

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