

2019 KTM 690 & 2020 Husqvarna 701 F4 fairing

Installation manual

This installation should be completed by a licensed motorcycle mechanical trades person. Adventure Bike Components accepts no liability for damage or injury where the installation has been completed by a person without the appropriate qualifications.

Thank you for purchasing the KTM 690/Husqvarna 701 F4 fairing kit from RADE/GARAGE. The installation is fully bolt on, not difficult but may take you a few hours including all preparations.

The installation is the same for KTM 690 2019+ and for Husqvarna 701 2020+ so we use one set of pictures. Only the side fairings are different for a better fitment to specific bikes.

1/ Remove the OEM mask

- a/ First take out the hose from the plastic guide on the left side
- b/ The mask holds on torx bolts. Remove them and take out the mask
- c/ disconnect the headlights connector





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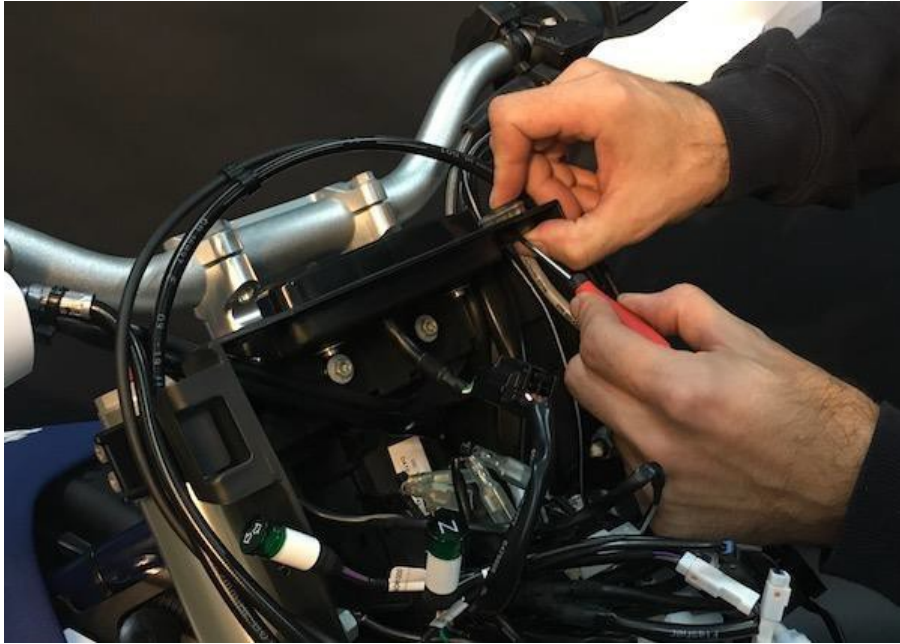
2/ Unbundle and disconnect the cables

It is a good idea to take photo of all connections prior to disconnecting this will save confusion later

a) To be able to remove the black mask holder, first you must cut carefully all zip-ties



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b/ Mark the indicator light cables (what is what) before you disconnect them. it will make assembly easier ☺ Next, remove the indicators from the dash panel.

Pull the cables down and then push the controls up through the dash panel. Keep them aside, you will need them soon.

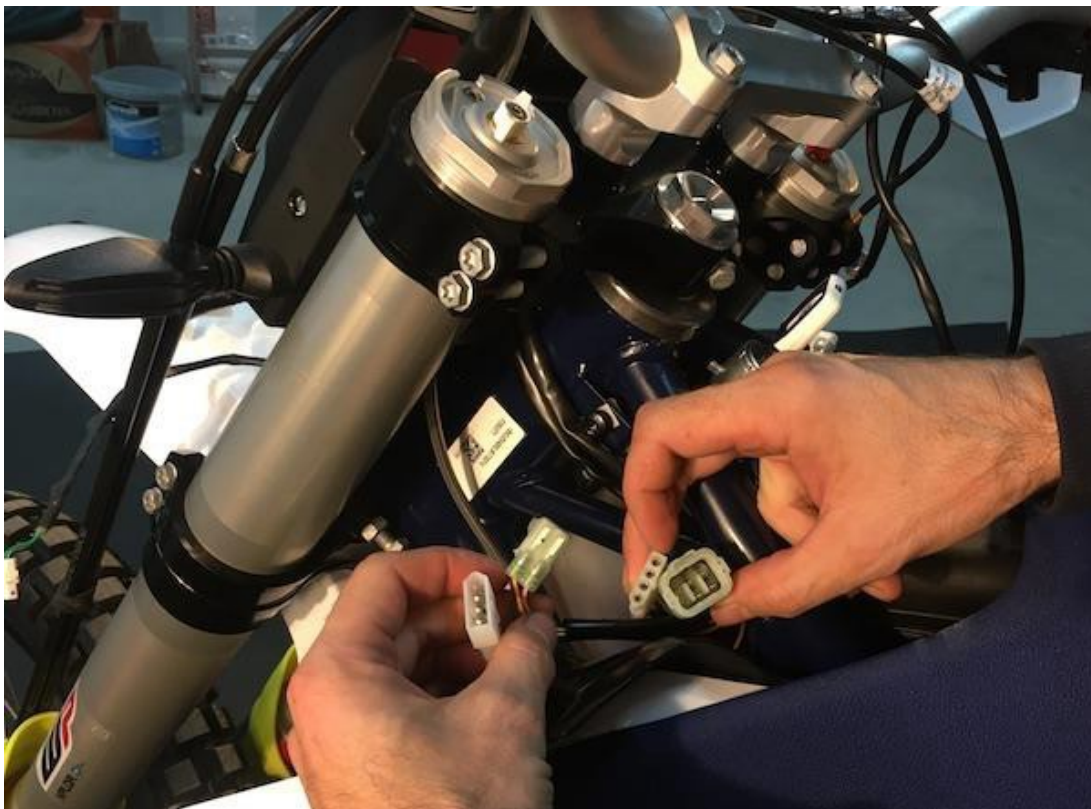
c/ Take small screw driver and release from bottom the ABS button/indicator. You will need it soon again.



d/ Remove the speedometer



e/ Coming from left side and turning the handlebars to the right, loose the M5 bolt and bent the black plastic cover. You will see three connectors from the throttle. Disconnect them.




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f/ Now all the cables are free... you can divide them into a group coming from the main harness and a group coming from handlebars. Don't worry you can't mix them up because each pair of the connectors are different ☺



g/ To remove the black mask holder, you have cut the plastics with a sharp knife or a saw. This will allow you to remove the mask holder from the brake/ABS hose.



3/ Mount the adapter for Scotts damper (optional)

It is optional, but we recommend it even if you won't use the Scotts damper, because it is at the same time convenient handlebar riser

a/ Remove the handle bars



You have to use counter key 17mm, because there is a nut from the bottom





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b/ Take the R/G adapter and M10 bolt – don't forget to loc-tite! and bolt on. It is a bit tricky to tighten it parallel for precise fit of the handlebars, so take your time! Perfect alignment is crucial.



4/ Prepare the tower

a/ First we must assemble the tower. Remove the original speedo grommets from standard dash panel and fit them into the tower dash.



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b/ Mount the speedo with the original screws. (don't tighten too tight as you will snap mounts)



c/ Also insert the three large supplied grommets into three large holes and insert the controls (not yet inserted in this picture). And install in the 12V USB outlet.




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d/ Mount the hose guide with M6 flat head bolts. You are ready to mount the tower on the bike.

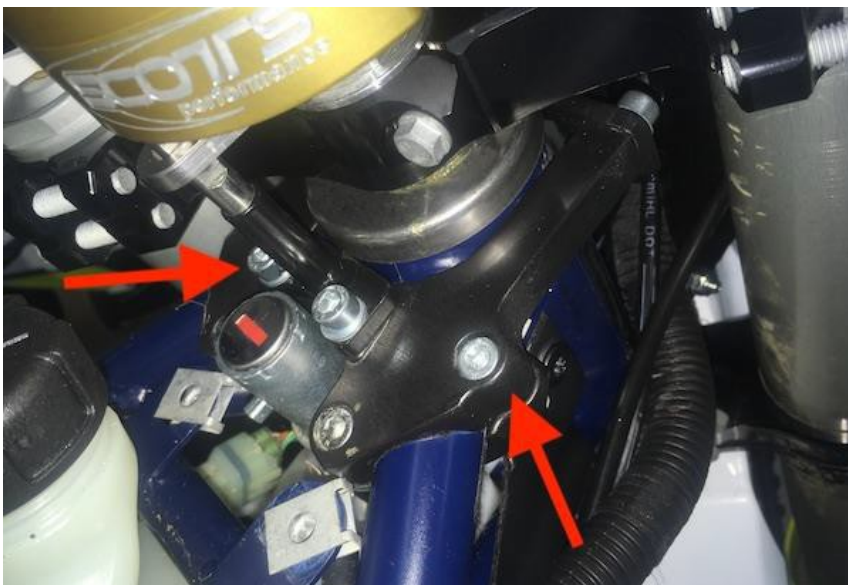


5/ Install the tower

a/ First step is the top clamp installation. Use M6x25 bolts. The top clamps is mounted around the frame tubes with two black holders. We recommend to use loc-tite! On these bolts



b/ bolt on the pin holder with short M6 bolts. Also loc-tite.
(You may need to trim black plastic side panel on some bikes above the arrow)



c/ Use M6x20 bolts and washers to bolt on the tower to the top clamps. Don't tighten at this stage!



d/ Now lift the tower a bit to be able to feed wires inside slot in the rear of the tower (start from the bottom) as per picture below.



e/ Prepare the low clamps and M4x40 bolts



f/ Lift the tower a bit (you can use your shoulder) and with your hands insert from the bottom both clamps at the same time and insert the bolts. It needs a good alignment of the holes to be able to push the bolts through. **IMPORTANT! Make sure all cables are clear of clamps!** All the cables must be above the lower clamp.

At this stage, you can tighten all bolts mounting bolts the tower.



6/ Connect all cables

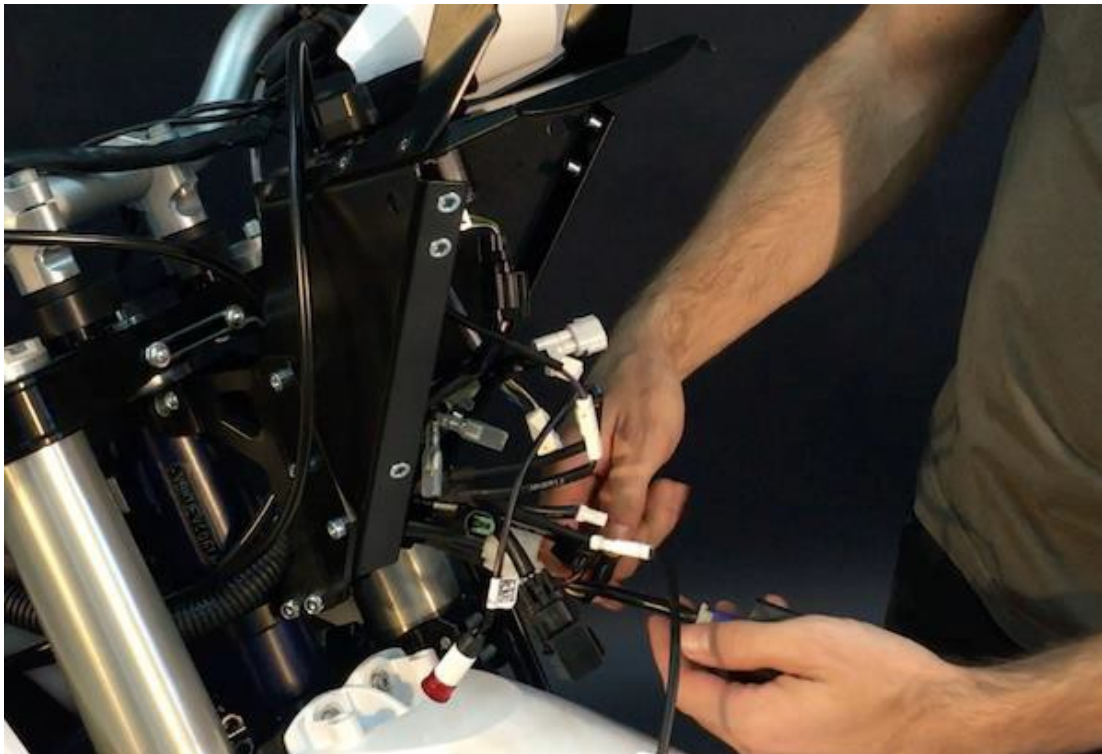
Don't worry, you cannot mix them up because all connectors are unique. Make sure all cables are connected and positioned so not to rub on any sharp edge.

Make sure all cables from handlebars stay in the back for now. Start with the cables coming from the main harness. We suggest to start with the speedo. Then controls. The connectors for the headlight and turn signals keep hanging down.

Don't forget to connect the ride-by-wire throttle from the left side.

Ensure all connectors are connected, even those coming from the handlebars.

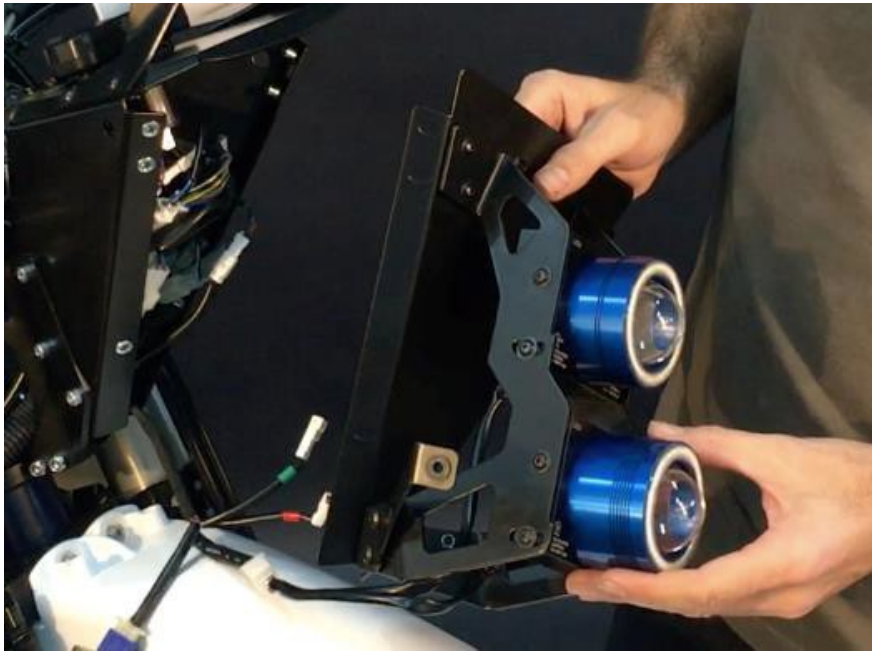
When you are done, switch on the ignition and test that all indicators work. Bike should be able to be started at this point.



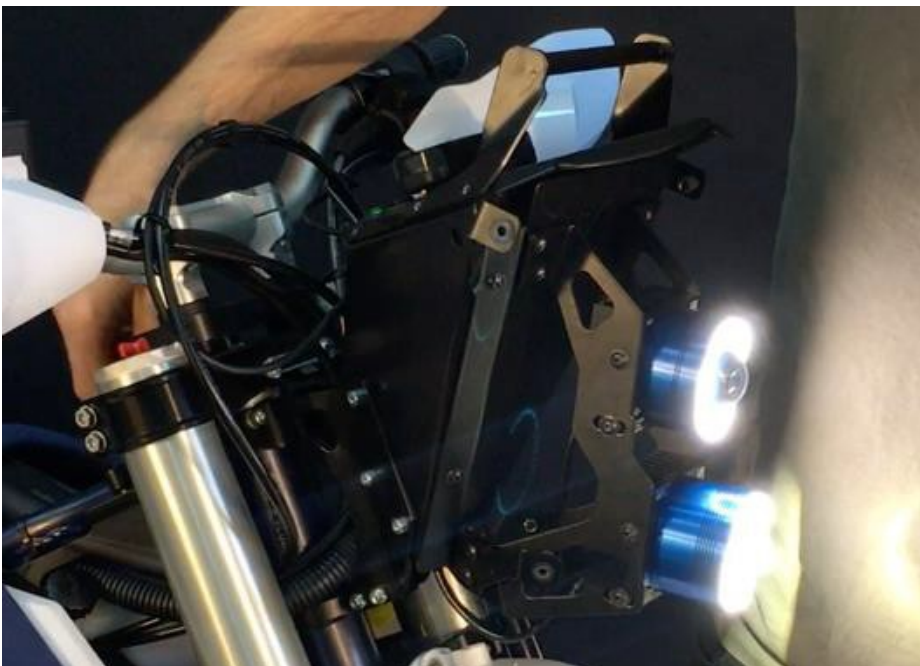
7/ Install the headlights

a/ the M6x16 bolts are in the box with the headlights

b/ the low beam (longer tube with more rings) is installed at the bottom position and high beam (shorter) to the upper position.



c/ Before you bolt on the holder don't forget to connect the headlight connector and make sure the turn signal connectors could be reached from the bottom. Also test the headlight's low and high beams.



7/ Prepare the fairing

a/ Install the black mesh seal and make four holes. Insert the M4 rubber grommets.



b/ Install the orange/yellow sticker on the headlights cover and bolt on with M4x16 bolts using the plastics washers.




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c/ Mount the supplied turn signals into the side panels. From the rear side, you will see pre-drilled hole for the turn signal.

d/ Insert the M5 rubber nuts into the windshield – but leave the middle hole free.



f/ Bolt on the side panels to the windshield




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g/ Place the fairing on the tower and bolt on four holders with M5x16

h/ Align the side panels and mark where you must drill 9mm diameter holes. Drill one hole, insert the M5 rubber nut and bolt on. Then you drill the second hole. Such order will ensure the holes will be well aligned.





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Congratulation! The installation is finished and you can start enjoying your upgraded bike

Ensure you check the bike operates correctly prior to riding. Don't ride your bike until you have completed the following check list:

- Test front brake
- Test rear brake
- Check handle bar connecting bolts are correctly tensioned as per your manual
- Ensure Tower mounting bolts are tight and secure
- Test steering lock to lock make sure smooth and free and no cables or wire can catch on tower or in steering lock area
- Make sure headlights are adjusted correctly and mounts are tight
- Ensure all mountings for side panels and windscreen are tight and secure
- Push forks up and down ensure cables don't catch in cable guide

Thanks again.

Adventure Bike Components & Rade Garage

Any questions or feedback please contact

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The rest of the world:

<https://advrider.com/f/threads/rade-garage-kits-and-accesorries-for-husqvarna-701.1337995/>