



***Perfect  
Fairings***  
SINCE 1996

**KTM 690 ENDURO 2019 - UP  
ADV RALLY FAIRING KIT  
INSTALLATION GUIDE MANUAL**

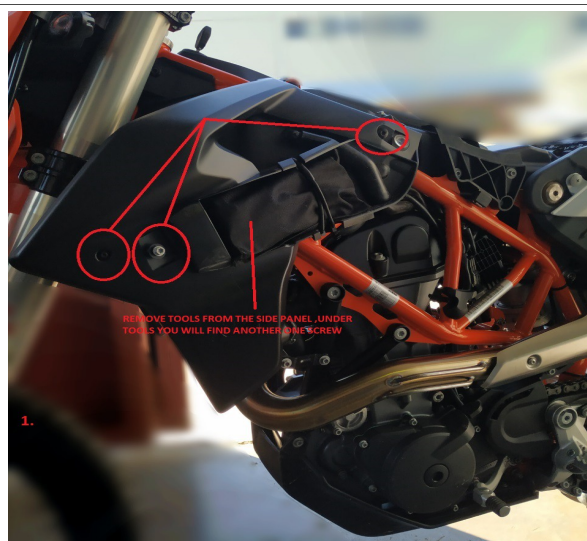
## **PARTS LIST :**

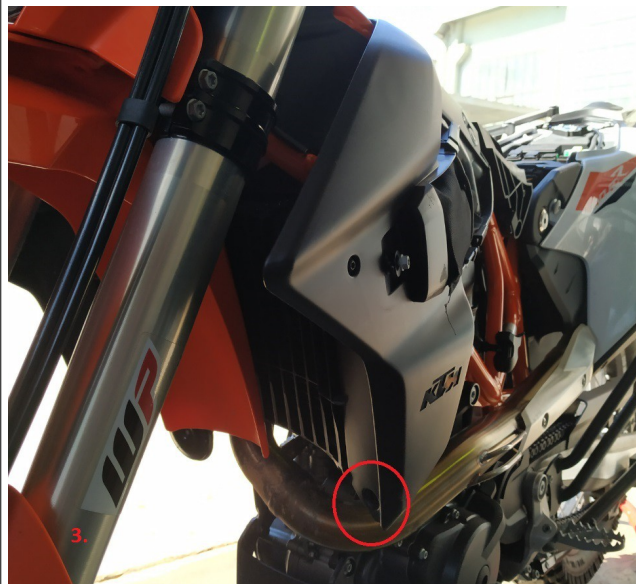
- KTM OEM WINDSHIELD
- KTM OEM HEADLIGHT COVER
- KTM OEM STONEGUARD
- KTM GASKET SEALER RUBBER
- 2X SCREWS FOR PLASTIC
- HELLA LIGHT LOW BEAM
- HELLA LIGHT HIGH BEAM
- HELLA LED POSITION LIGHT
- SMARTMOTO ELECTRONICS WIRING HARNESS ,LIGHTS
- MASTECH NAVIGATION TOWER ASSEMBLED
- MAIN HEADSTOCK BRACKET
- LEFT HAND SIDE PANEL
- RIGHT HAND SIDE PANEL
- 6X M5\*25 SCREWS
- 6X M5 GROMMETS
- 6X M5 RUBBER GROMMETS
- 6X M5 SAFE NUTS

## **PREPARING FOR THE INSTALLATION :**

1. Start removing the stock plastics of the bike .
  - Remove the seat (**owners manual page 37**)
  - Remove the white external panels ,pay attantion while you removing this panels .Pull up on the rear slowly and then push forward (**owners manual page 103**)
  - Remove black plastic side covers ,you can use the OEM KTM tools which comes with the bike .You can find the tools on the stock toolbox under the LH side panel . (see below pictures )

Remove the circled screws using a Torx tool T17 and T20 ,both tools are on the toolbag which comes with the bike.





\*do the same also on the other side black panel

- Remove front headlight cover (**owners manual page 186**)
- Carefully remove the cable ties with a cutting tool

Locate all cable ties carefully

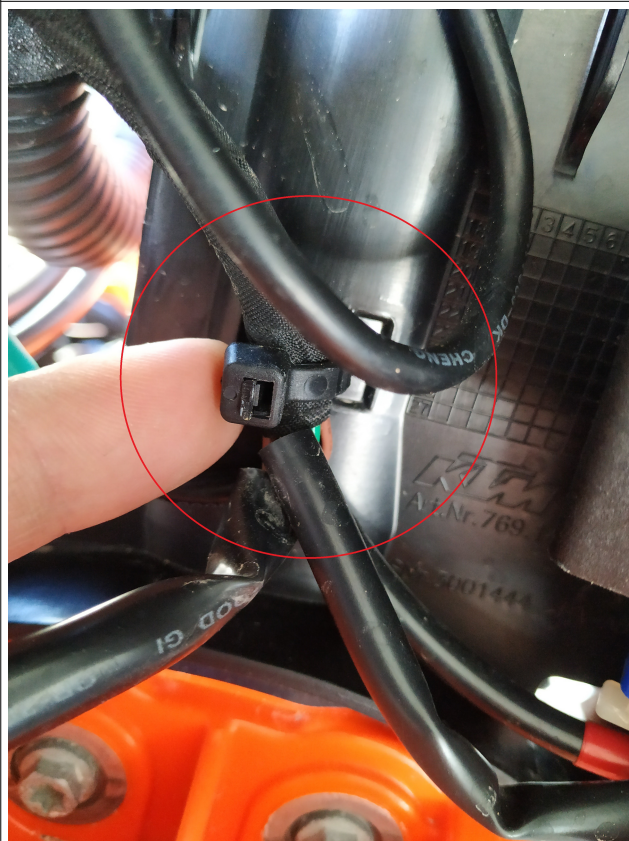




Use a cutting tool to remove them



Pay attention to not damage the wiring harness



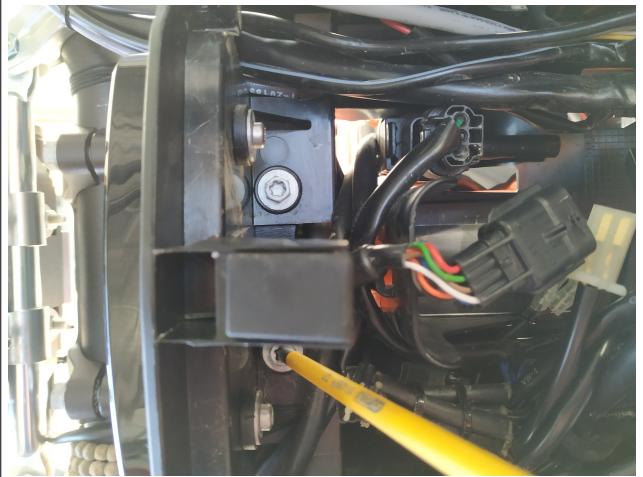
- Remove the screws from the black plastic

There are 4 screws .2 circled and 2 more on the bottom of the black mask



Once you remove all screws ,carefully unplug all the cables including the indicators and speedometer . Make sure you have free all the cable.

ATT: There is another cable you have to unplug and its under the side cover,remove the airtubes from side panel,remove the screws from cover and locate the cable plug



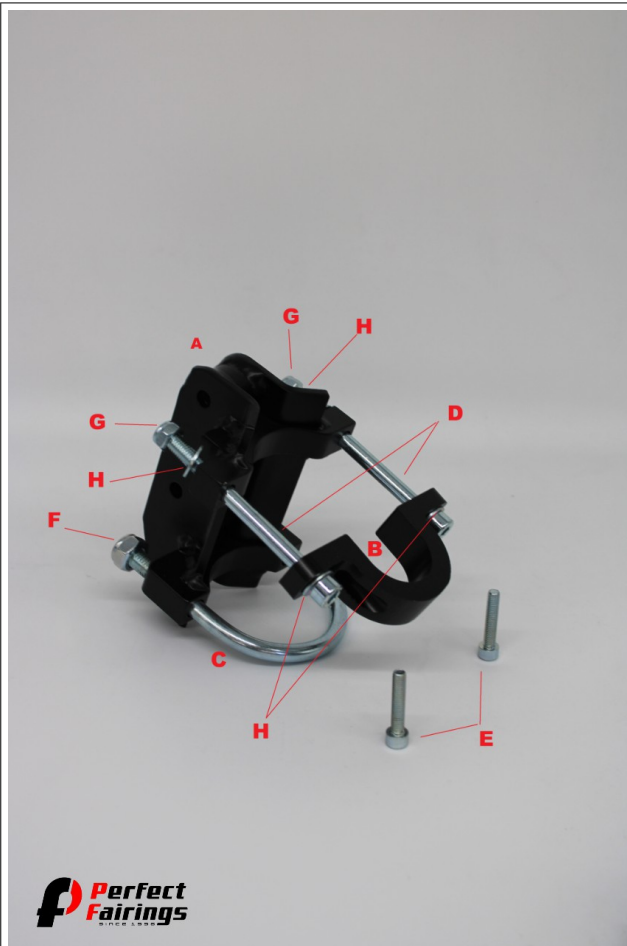
**Once you remove the cables from the plastic cover you will notice that the cover have the brake lines which still hold it on its place,in order to save time just make a small cut on the plastic to remove easily the brake lines**

### **Installation of the main headstock bracket:**

Main headstock bracket is the part which hold the navigation tower .

Parts of the tower as are on the picture:

- A. Main bracket
- B. Support
- C. U-Bolt M10
- D. M8x100 screws 2x
- E. M6x 30 screws for support
- F. M10 safe nuts 2x
- G. M8 safe nuts 2x
- H M8 grommets 4x



### **Preparation :**

- Remove the airbox cover , in order to remove the airbox cover remove the screws and just pull it slowly .
- Remove the ignition key plastic cover
- On the ignition key there are 2 M6 screws which hold the ignition key on the bike ,remove the screws but do not remove the ignition key from its place



Add the support (B) behind the ignition key and replace the OEM M6 screws with the longer screws which including with the bracket (E)



Put the U Bolt (C) on the head tube .  
For an easy installation of the U Bolt on the bike ,put it from the side like the picture .  
Once the U Bolt attach the head tube remove it slowly so the screws to be in the front and the U on the rear .

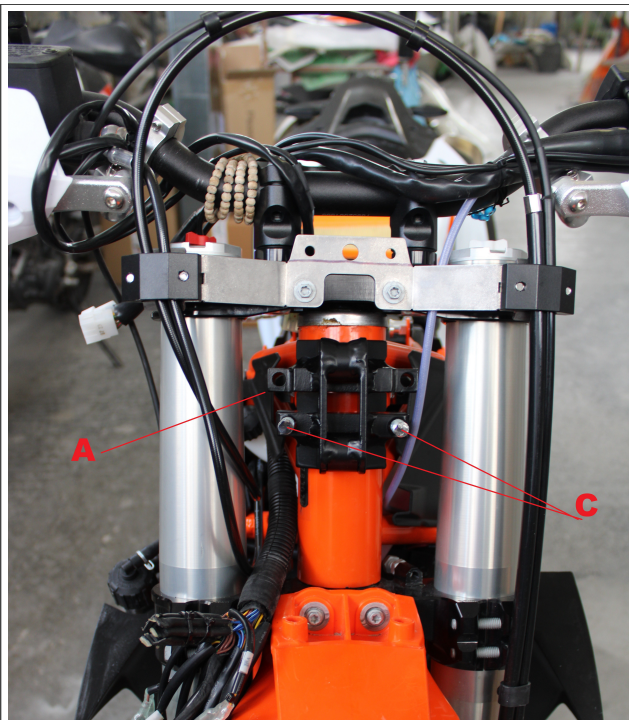


Add the main bracket (A) in the front and pass the U Bolt (C) on it .

On the upper holes of the bracket add the long M8 screws (D) in order to pass also on the support (B) which is behind the ignition key ,once you do it put all 4 nuts with the grommets .

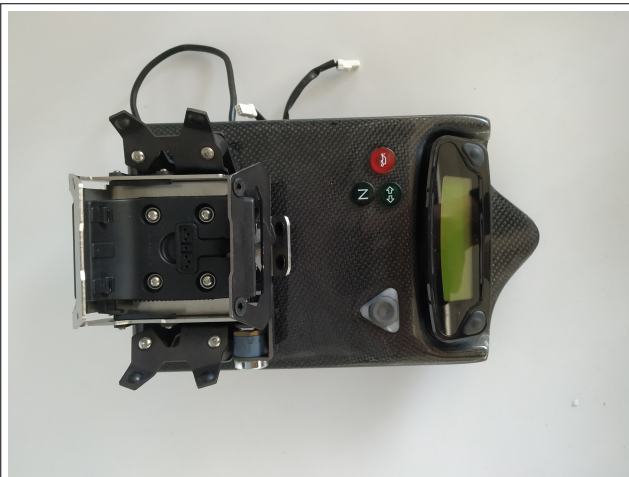
ATT :

Do not screw the nuts tight



**Next step is to remove from the OEM plastic the speedometer – indicators -ABS – blinkers . Do this job carefully to avoid any damages .**

Once you remove all the componets from the OEM plastic add them on your new dash panel of the Mastech tower . Indicators can be mounted as you like as all holes are same diameter .



This is how it will look on the tower .

***\*Add the dash once you fix all the cables inside the tower***



### **NEXT STEP :**

#### **Installation of navigation tower on the bike .**

Navigation tower is coming pre assembled . Headlights are installed on the tower as everything else so you do not have to work on the tower .

Headlights :

High beam is the upper round light

Low beam the lower oval light

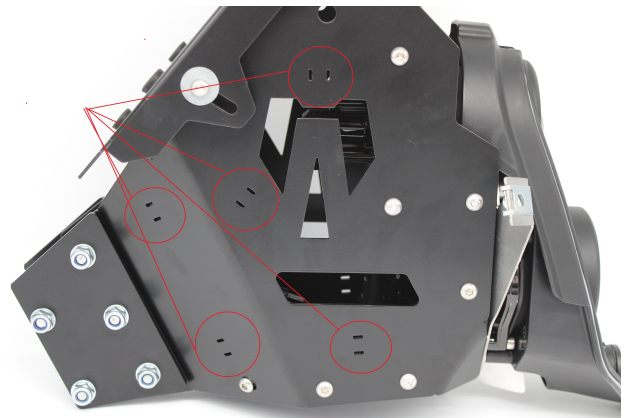
Position light is the small LED light on the bottom

Navigation tower have a lot of free space inside in order to fix the cables easily .On the tower you will find small slots on the sides ,these will help you to pass cable ties and fix the cables very clean on the tower .

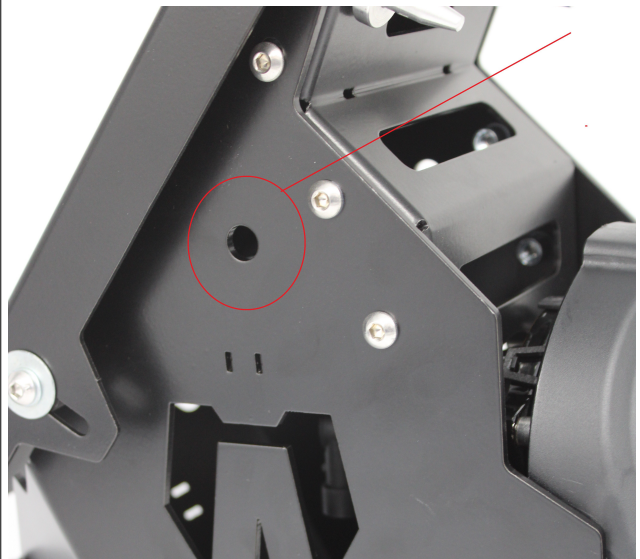
### **NAVIGATION TOWER**



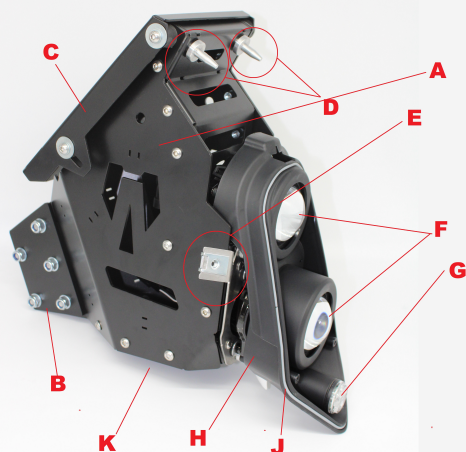
Slots for cable ties



On both sides of the tower you will find this hole which is for your turn signals (blinkers) .



- A. MAIN NAVIGATION TOWER
- B. SUPPORTS FOR NAVI TOWER
- C. DASH PANEL
- D. WINDSHIELD PIN HOLDERS
- E. WINDSHIELD SUPPORTS
- F. HELLA LIGHTS
- G. HELLA POSITION LIGHT LED
- H. HEADLIGHT MASK
- J. AIR GASKET
- K. UNDER TOWER COVER



- Remove the dash panel (C ) and the under cover (K) from the tower ,this will help you to fix easily all the cables inside while the tower is on the main bracket on the bike .
- Add the tower on the main bracket which is on the bike
- Add the SmartMoto hellla wiring harness on the lights and on position lights
- Start carefully to connect all the wiring harness
- Add cable ties on the navigation tower slots to keep the harness clear ,do not tight until you finish .
- Once you finish with all the cables turn the handlebars from one end to the other to see if all cables are correctly and do not stretch while you turn.
- If everything is OK while you turn add the dash plate and the under cover
- Do not tight the screws of the supports until you align everything with the side panels and windshield on .

*\*If you need to free the main wiring harness in order to fix it easily and cleaner on the tower and on the bike frame ,inspect the frame and you will find some cable ties which hold it on the frame. Carefully cut the cable ties and realise the harness .This will give you few cm in the front and you will be able to work better*

## **NEXT STEP :**

### Side panels installation

Before you start adding the new side panels on the bike remove the rubber bushes (transparent bushes) from the stock side panels and add them on your new panels on the very same position and holes .

The new panels mount exactly like the stock panels by using the same screws and parts . Do not use any other screws or parts except the OEM .

On the left new side panel you have to use also the rubber cable which holds the tools .

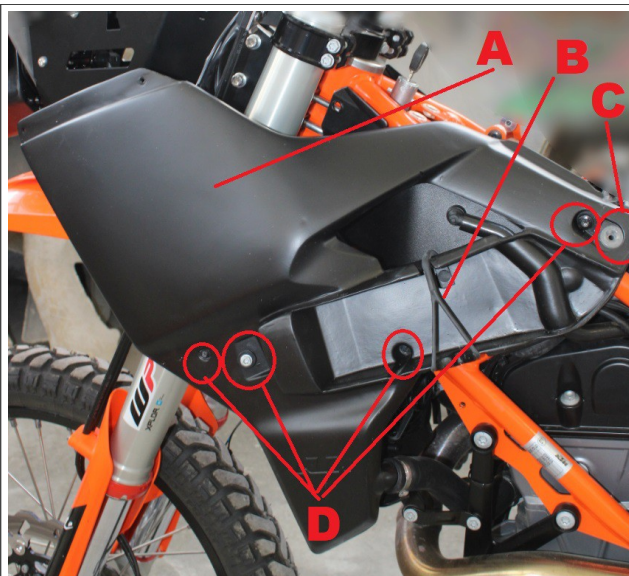
### ***TIP :***

***When you remove the stock panels from the bike put back the screws on the bike so you can remember the correct place of each screw .***

- A. NEW SIDE PANELS
- B. OEM RUBBER CABLE FOR TOOLBOX
- C. OEM RUBBER GROMMET
- D. OEM SCREWS

**ATTENTION:**

All OEM parts are the stock parts which are already on the bike ,the kit do not include these parts



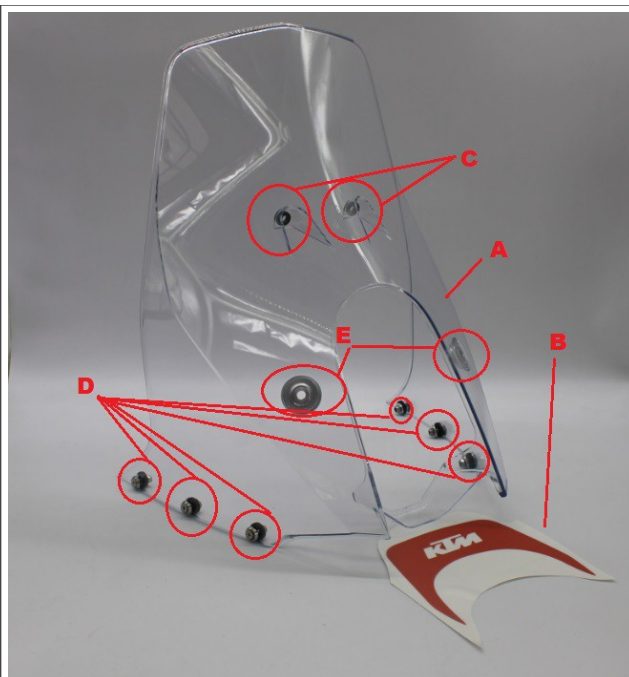
**Once you mount both side panels the last step is to add the windshield !!**

**LAST STEP :**

KTM OEM Windshield installation .

**KTM OEM Windshield**

- A. Windshield
- B. KTM vinyl sticker
- C. Rubber grommets pre installed
- D. 6x Screws-grommets-nuts kit
- E. Mounting points



Add the windshield on the tower and align up with side panels ,screws the windshield on the side panels and on the tower .

Once everything aligns up, tighten the screws on the tower support

Add the vinyl sticker on the windshield !

Make a last check on all screws- nuts and make sure that everything is OK and correct .

Your kit is ready to enjoy it !!!

**ATTENTION :**

**Do not forget to enjoy it to the maximum and make some nice pictures for us :)**

For any additional help feel free to contact us ,we will be here anytime to answer your questions and help you on anything you need about your new kit .

By email : [info@perfect-fairings.com](mailto:info@perfect-fairings.com)

On our social media on Facebook / Instagram: Perfect Fairings

Perfect-Fairings suggest the kit to be installed by a knowledge mechanic.  
Read carefully the installation manual and always keep the KTM owners manual with you.  
We do not have any responsibility for damages during the installation except the installation is made on our workshop

We have the right to change any of the above componets and instructions without any prior notice.