



## **Silk Way Snow Journey International Rally-Raid on snowmobiles**



### **USER GUIDE FOR NAVIGATION AND SAFETY DEVICES INSTALLATION**

The set of devices given to the competitor (Fig. 1) consists of the following units:

1. Set of 12V power wires
2. ERTF UNIK navigation device
3. ERTF UNIK mounting bracket, complete with vibration dampers
4. Mounting plate
5. Case for navigation device
6. Heating element
7. GPS antenna
8. Active safety device

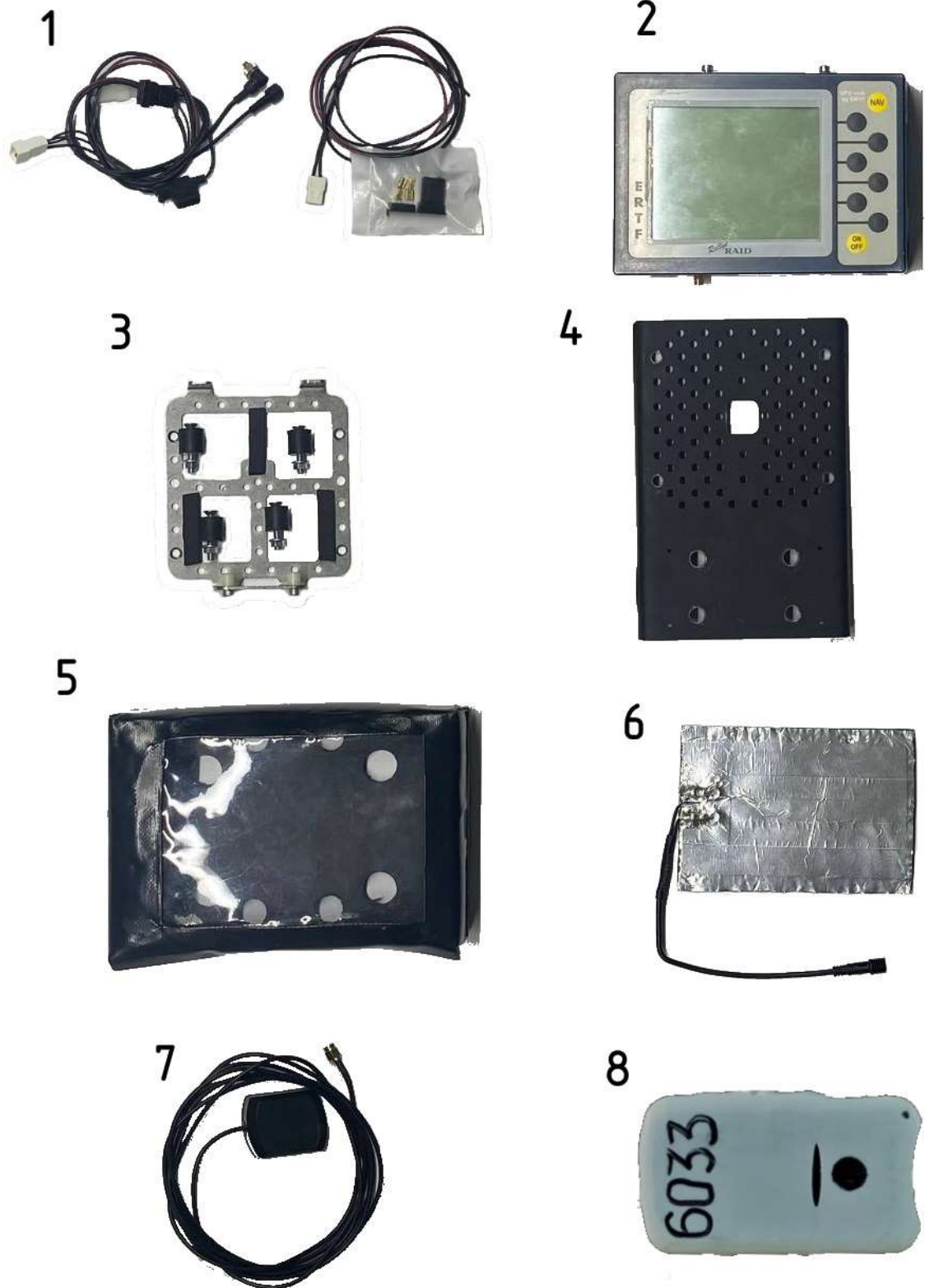


Fig.1 Set of devices issued

The ERTF UNIK navigation device installation provides for two placement options:

### 1. Handlebar mounting option

The layout of the ERTF UNIK navigation device installation on the handlebar is shown in Fig. 2

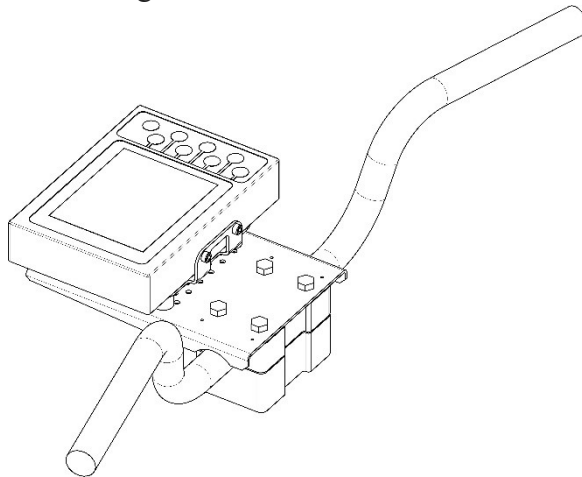


Fig. 2

**ATTENTION!** Since the handlebar mount is a unit that may differ depending on the vehicle manufacturer, in each case the installation may differ from the procedure described below.

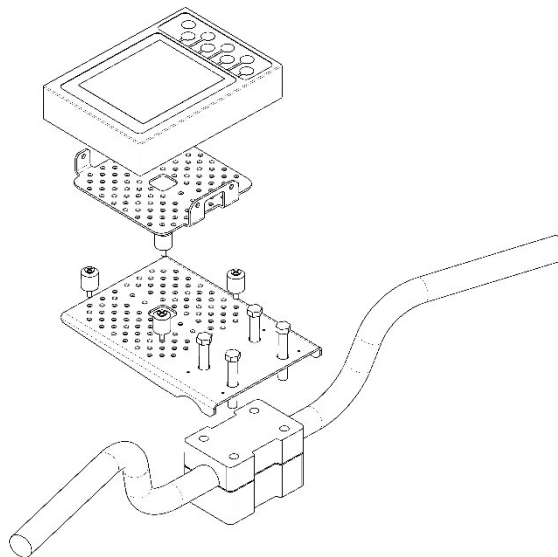


Fig. 3

The mounting plate installation on the handlebar involves the use of regular handlebar mount units.

The mounting plate is installed with the stiffeners down.

To install the mounting plate on the handlebar, it is necessary to remove the four handlebar mount bolts and move the handlebar to the side.



Fig. 4 Handlebar is in place.

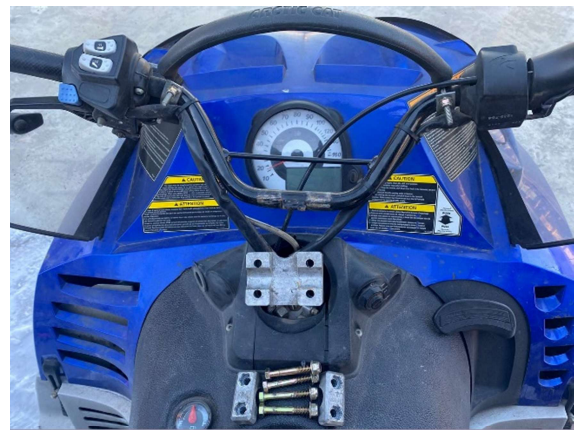


Fig. 5 Handlebar is dismantled.

Then it is necessary to mark and drill four holes on the mounting plate so that they align with the holes on the handlebar mount.



Fig. 6 Hole marking.

The next step is to install the handlebar and its fastening units in place. Then the mounting plate with drilled holes is installed on the handlebar.



Fig. 7 Mounting plate installation.

Then the vibration dampers must be installed on the mounting plate.

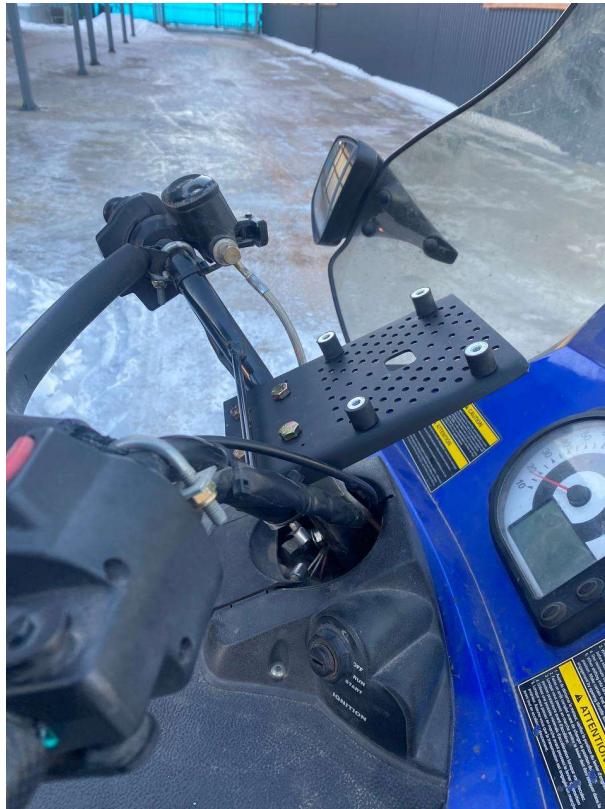


Fig. 8 Vibration dampers installation.

A case and a bracket are installed on the vibration dampers that are fixed with the screws included in the kit issued to the competitor.



Fig. 9 Case and bracket installation.

Then a heating element and the ERFT UNIK navigation device are installed.



Fig. 10 The heating plate installation.



Fig. 11 Complete set.

**ATTENTION!** If the manufacturer provides a through hole for the handlebar mount and fixation is provided by a bolted connection, then it is necessary to pay attention to the nut. If a nylon ring nut is used by the manufacturer, the nut should not be reinstalled!

**ATTENTION!** The tightening torque of the handlebar nuts/ bolts is selected based on the vehicle operating manual.

**ATTENTION!** Installation in this manner may require the bolts replacement with longer bolts. Installed alternative mounting bolts should not have a strength class lower than the bolts installed by the vehicle manufacturer.

**ATTENTION!** Installation of the device on the handlebar is a priority.

## 2. Dashboard mounting option

An example of the ERTF UNIK navigation device installation on the dashboard is shown in Fig. 12



Fig. 12 Installation on the dashboard

The mounting plate installation on the vehicle dashboard involves using a free mounting area in such a way that the competitor can see the screen and be able to use the controls of the ERTF UNIK navigation device from a sitting position.

Below are examples of correct and incorrect navigation device installation on the vehicle dashboard.



**X WRONG INSTALLATION**



**V RIGHT INSTALLATION**

**ATTENTION!** The installation procedure on the dashboard is identical to the installation on the handlebar – the first step is to install the mounting plate, then the vibration dampers, case, bracket, heating element and ERTF UNIK navigation device.

## 3. Connecting devices to the vehicle onboard network.

The ERTF UNIK navigation device must be connected to the vehicle battery using the set of wires provided.

The connection diagram is shown in Fig. 13



Fig. 13 The diagram of the navigation device connection to the vehicle onboard network.

#### 4. Active safety device.

The Active safety device must be placed in the sleeve pocket of the competitor's overalls, as it is shown in Fig. 14.



Fig. 14 Option to place the Active safety device in the sleeve pocket



**ATTENTION!** The mounting plate, bracket, ERTF UNIK navigation device, Active safety device, GPS antenna must be fixed in a **reliable way** to prevent loss of the device while the vehicle is moving.

**ATTENTION!** It is possible to cut the mounting plate, if necessary.

**ATTENTION!** The mounting plate and a set of wires are issued to the competitor after they have paid the entry fee at the following addresses:

1. 4 Motornaya Str. Naberezhnye Chelny

+7-937-575-73-57 Alexey

+7-937-770-23-15 Konstantin

2. 46 Orenburgsky Trakt Str. Kazan

Captain Dealer Center (installation for value is possible)

3. 30 2<sup>nd</sup> Brestskaya Str. Moscow

+7-977-590-76-73 Lucia

**ATTENTION!** Shipment by transport company at the expense of the competitor is possible.

**ATTENTION!** ERTF UNIK navigation device, Active safety device, GPS antenna, ERTF UNIK mounting bracket are given to the competitor during the Administrative Checks and Scrutineering.

**ATTENTION! Please feel free to contact Alexey +7-937-575-73-57 and Konstantin +7-937-770-23-15 with any questions**