

## Introduction

Thank you for choosing the trike TRANSAN PLUS. We would like to invite you to spend some of your time reading and familiarizing yourself with this manual, which will allow you to discover the characteristics of your new trike. Thanks to the maintenance tips found inside, you will always be able to trust your engine and enjoy your purchase for a long time.

We would also like to invite you to hand over this manual along with the engine if you decided to sell; the new owner will find it as useful as you did.

The manufacturer, or, if the case be, the distributor, are at your full disposal to answer any questions and concerns and solve any problem. YOUR SAFETY AND THE SAFETY OF OTHERS ARE OUR BIGGEST CONCERN.

We would like to inform you that the contents of this manual will not give you the information necessary to operate the paratrike; this manual contains only the information necessary to assemble and maintain your paratrike.

### OWNER INFORMATION:

**Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Paramotor Model:** \_\_\_\_\_  
**Engine Series Number:** \_\_\_\_\_  
**Distributor/Point of Purchase:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Date of Purchase:** \_\_\_\_\_

**Owner Signature:** \_\_\_\_\_

**Distributor Seal and Signature:** \_\_\_\_\_

**IT IS ABSOLUTELY NECESSARY TO READ THIS MANUAL BEFORE  
OPERATING TRIKE EQUIPMENT**

## **ASSEMBLY**

Our trikes are delivered as a kit; therefore the customer is solely responsible for its assembly, use, and maintenance. For this reason, the customer should be especially meticulous in the assembly of all parts of the equipment and **double-check all screw installations once the trike is assembled.**

### **PARAMOTORES AIRFER IS NOT RESPONSIBLE FOR ANY INCIDENT RESULTING FROM NOT HEEDING THE PREVIOUS WARNINGS.**

Once the packaging has been opened, separate the loose parts, such as wheels, tubing, accessories, etc.; don't move the main structure of the equipment. This way, some parts of the trike can be assembled more comfortably, such as the rear axle, which should be assembled first of all. Follow the following guidelines.

1. Install the rear axle bars according to the numbered indications (1 with 1, 2 with 2, etc.).
2. Install the front directional bar and position the directional bar, making sure the numbers coincide; it is important not to tighten the bar screw excessively so that it is able to rotate.
3. Install the rear wheels.
4. Install the harness attachment bar according to the symbol and tighten the screws.
5. Install the pilot chair in the proper position and attach the locks.
6. Assemble the propeller protection rings, starting with the upper section, followed by the middle section, and finishing with the lower section. Attach the velcros and bands properly. Finally, install the two (2) horizontal bars and tighten the screws.
7. Assemble the propeller in cross form, making the letters on each arm match, and tighten the six (6) screws in star form. Finally, double-check and verify the trekking.
8. The customer, being solely responsible for trike assembly, should make a complete examination of all screw installations and all other elements.

### **BEFORE ENGINE START-UP**

1. The trike should be placed on flat land without gravel or any other foreign object that could be sucked up by the propeller. Double-check visually and make sure there are no irregularities in every single part of the trike.
2. Fill the fuel tank with a mix of super or unleaded fuel and synthetic 3,5% oil. This oil percentage should be used during the first ten (10) hours of flight.
3. Pump the primer pump until fuel reaches the carburetor. Once verifying that fuel reaches the carburetor, do not continue pumping for more than four (4) seconds, as the engine will choke.

### **TO START THE ENGINE**

1. Pump engine as in Point 3 (above), press the ignition button without accelerating or with 20% gas. It will usually start on second or first try.
2. Maintain 20% gas acceleration to warm up the engine.
3. Normally the start-up will be almost immediate. Do not insist too harshly on an engine that won't start. In 99% of such cases, the issue is that there is excess or not enough fuel. If the engine has not been operated for several weeks or has choked, you should disassemble the motor and clean the spark plug. Before each flight verify that the stop button functions properly by pressing it.

### **SOFTENING THE ENGINE**

During the first ten (10) hours of use, a fuel mix of super or unleaded and 3,5% synthetic oil should be used. During these hours, you should avoid accelerating for prolonged periods and the best method will be to take off from an inclined launch point and to fly without prolonged periods of ascension.

**AFTER THE FIRST HOUR YOU SHOULD DOUBLE-CHECK THE SECURITY OF ALL SCREWS IN GENERAL AND OF THE PROPELLER, THE EXHAUST, AND OF THE CARBURETOR IN PARTICULAR.** After the first ten (10) hours it is important to decrease the fuel mix to 3%, depending on the altitude of flight, the pilot's weight, or the environmental temperatures of the location of flight. This way, you will avoid an excess of cinder production. The spark plug can also be changed after these first hours.

NOTE: Always use the same high-quality synthetic oil. We recommend Castrol TTS brand oil.

## **MAINTENANCE**

### **1. Centering the Propeller**

- Place an object on the lower part of the chassis.
- Rotate the propeller and verify that the four (4) ends of the arms pass the same point (remove the spark plug to facilitate this process).
- In the case that the ends don't coincide, tighten the appropriate screws.
- The maximum allowed discrepancy is 2 mm.
- The screw tightening pressure should not exceed 1,3 kg.

### **2. Check-up Every 20 and 50 Hours of Flight**

- Verify and control the state of the spark plugs every twenty (20) hours of flight. The interior insulator should be light brown in color and the space between the electrodes should be 0.4 to 0.5mm.
- Wash the air box with fuel every twenty (20) hours.
- Verify and control screw adjustment every twenty (20) hours.
- On the first 20-hour check-up, adjust the cylinder screws at 2,2 kg of pressure, doing this at cross and with the engine fully stopped and cold so as not to damage the cylinder.
- At fifty (50) hours of flight, verify and control all of the previous points and replace the fuel filter.
- Replace the shock mounting once every two (2) years, or sooner in case of cracking or deformation.

## **FUEL ADJUSTMENT**

1. The carburetor is adjusted in factory with standard adjustment; depending on the altitude of flight, it will be necessary to readjust it.
2. To adjust, turn the gold screw, located on the carburetor's back side, lightly until the proper point of noise and response from the engine is found.

## **WARRANTY**

**All of our models have a one (1) year warranty from the date of delivery, keeping in mind the following points.**

- 1.** The commercial warranty provided by **PARAMOTORES AIRFER** (henceforth **the warranty**) does not cover engine irregularities, given that the causes of such are undetectable (lack of oil in the fuel, improperly lubricated, low quality oil, improper use, etc.).
- 2.** The company is not responsible for any imperfection caused by improper use of the engine; the customer agrees to strictly follow the described maintenance, as well as the pre-flight examination. Not following these guidelines will void the warranty.
- 3.** The warranty does not cover the normal wear of parts caused by use or damage caused by the installation of parts not provided by **PARAMOTORES AIRFER**.
- 4.** The warranty does not cover engines used in races, competitions, or for commercial purposes.
- 5.** The warranty does not cover damage caused by use of the engine without propellers or damage caused by altering any part of the paramotor if the alteration has not been authorized in writing by **PARAMOTORES AIRFER**.
- 6.** The warranty does not cover damage caused by the use of propellers not approved by **PARAMOTORES AIRFER**.
- 7.** The warranty does not cover damage caused by oxidation (rust), premature wear due to water exposure, sand infiltrations, or exposure to any foreign objects.
- 8.** The warranty does not cover damage resulting from mechanical manipulation by a service not authorized by **PARAMOTORES AIRFER**.
- 9.** The warranty does not cover damage caused by improper transport.

**ALL TRANSPORTATION COSTS ARE BUYER'S RESPONSIBILITY.**

**ATTENTION:** THE PROPELLER IS THE MOST IMPORTANT PART OF THE PARAMOTOR. IT SHOULD ALWAYS BE CLEAN AND SMOOTH. IN CASE OF WEAR, IT SHOULD BE REPLACED OR REPAIRED AND BALANCED BY THE MANUFACTURER.

**A DAMAGED PROPELLER CAN WRECK THE PARAMOTOR, WITH THE APPROPRIATE CONSEQUENCES.**

**PARAMOTORES AIRFER IS NOT RESPONSIBLE FOR ANY STRUCTURAL IMPERFECTION IN THE PARAMOTOR CAUSED BY AN IMPROPERLY REPAIRED PROPELLER OR A PROPELLER WITH GENERAL IMPROPER UPKEEP.**

**Our paramotors are delivered as a KIT; therefore, the paramotor's use and maintenance are solely the customer's responsibility. The customer must make a complete examination of all of the paramotor's parts and elements which are detailed in the maintenance and pre-flight examination **BEFORE STARTING THE ENGINE.****

**PARAMOTORES AIRFER IS NOT RESPONSIBLE FOR ANY INCIDENT RESULTING FROM NOT HEEDING THE PREVIOUS WARNINGS.**

### **EXPLICIT OR IMPLICIT WARRANTIES**

In so far as it is allowed by local law, the previous warranties are exclusive and do not include any other warranties or conditions, written or oral, expressed or implied. **PARAMOTORES AIRFER** rejects all warranty or condition implied in commerce. This warranty will provide the customer specific legal rights, as well as possibly providing other rights that vary from one country, state, or province to another.

**PARAMOTORES AIRFER** reserves the right to modify your warranty policy at any moment, it being understood that such changes won't alter the conditions applicable to engines sold while the warranty that appears above is valid. In case of litigation **PARAMOTORES AIRFER** recognizes only the courts of Castilla-La Mancha.

### **CUSTOMER SERVICE PROCEDURES**

If you have any problems, difficulties, or concerns, please contact the company at:

1. Authorized **PARAMOTORES AIRFER** customer service centers.
2. Authorized **PARAMOTORES AIRFER** distributors.

### **VALIDITY OF WARRANTY**

The warranty will be valid only if the buyer completes the registration card and sends it into the authorized **PARAMOTORES AIRFER** distributor immediately following delivery of the trike.

### **NOTICE OF WARNING**

This paramotor, due to its design, may be subject to sudden stops. This stop may cause impact upon landing. This type of accident may result in serious injury, including death.

For this reason, the paramotor equipment must never be flown in closed spaces, wind currents, inappropriate heights, or under any other circumstances in which it may not be possible to make a smooth landing after a sudden engine stop. This equipment must only be flown in daylight and under visual flight conditions (Visual Flying Rules V.F.R.).

### **WARNING**

This paramotor is not certified by any establishment. It has not passed any security or durability tests or examinations and it does not fall into any patterns of airplane engine standards. It is designed SOLELY for **experimental** use in paramotors, non-certified vehicles and venturous flights in which engine failure might endanger the safety of any persons involved.

**The user or owner assumes all risks of use and recognizes that via its use, the engine might be subject to a sudden stop.**

## **AGREEMENT OF WARRANTY**

I, \_\_\_\_\_,

With D.N.I. \_\_\_\_\_,

Recognizing in my own name sufficient capacity for the issuance of this document, declare:

That I am solely responsible for my actions and freely purchase a paramotor for experimental and venturous flight, which might merit some risk. In declaration of the fact that I am solely responsible of any and all incidents that might take place during its operation, and freeing the manufacturer of all civil and criminal liability that might arise in case of incident or accident, I sign this document.

**DATE:**

**SIGNATURE:**

### **WARRANTY REGISTRATION CARD**

1. In order to comply with the requirements of the warranty, it is necessary that this form be properly and completely filled out by the user and/or owner of the paramotor and returned to **PARAMOTORES AIRFER** by ordinary mail within twenty (20) days of delivery, to the following address:

**Paramotores Air Future SLU**  
**C/ Pedro Muñoz, 22**  
**13630 Socuéllamos (Ciudad Real) España**

This requirement not being properly filled, the benefits of the warranty will be denied.

2. No other type of warranty is available, besides the conditions defined in the present warranty.
3. Paramotor Model: Paratrike Transan Plus

Engine No: \_\_\_\_\_

Propeller Model and No: \_\_\_\_\_

Date of Purchase (date of delivery): \_\_\_\_ \_\_\_\_ \_\_\_\_

Warranty Date of Expiration: \_\_\_\_ \_\_\_\_ \_\_\_\_

Buyer: \_\_\_\_\_

Distributor: \_\_\_\_\_

I have fully read and understood the user manual and I agree with the procedure and conditions described above.

**DATE:**

**SIGNATURE:**

**WARRANTY CARD AND CHECK-UP REGISTRY**

<p style="text-align: center;"><b>1<sup>st</sup> Check-up</b></p> <p><b>Date:</b> __ _</p> <p><b>Incidents/Irregularities:</b> _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>Company Seal and Signature:</b></p> <p>_____</p>	<p style="text-align: center;"><b>2<sup>nd</sup> Check-up</b></p> <p><b>Date:</b> __ _</p> <p><b>Incidents/Irregularities:</b> _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>Company Seal and Signature:</b></p> <p>_____</p>
<p style="text-align: center;"><b>3<sup>rd</sup> Check-up</b></p> <p><b>Date:</b> __ _</p> <p><b>Incidents/Irregularities:</b> _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>Company Seal and Signature:</b></p> <p>_____</p>	<p style="text-align: center;"><b>4<sup>th</sup> Check-up</b></p> <p><b>Date:</b> __ _</p> <p><b>Incidents/Irregularities:</b> _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>Company Seal and Signature:</b></p> <p>_____</p>

**WARNING:** If one of the above indicated check-ups is not performed for any reason outside of this company's control, the warranty will be void.