

THE FLEXIFOIL BUGGY

A ROB HILLS / FLEXIFOIL DESIGN

INSTRUCTION MANUAL



AIR SUPREMACY SINCE 1972

IMPORTANT:
THIS INSTRUCTION MANUAL CONTAINS IMPORTANT SAFETY INFORMATION. YOU MUST
READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE ASSEMBLING YOUR BUGGY.



BUGGY INSTRUCTIONS

Safety

Thank you for purchasing your new Flexifoil buggy. If operated and looked after properly, your new buggy will serve you well. Before assembling and using this buggy, you must take time to read and understand the following instructions and safety warnings.

IMPORTANT: THIS BUGGY HAS BEEN DESIGNED FOR KITE TRACTION ONLY AND NO OTHER MEANS OF PROPULSION SHOULD BE USED.

SAFETY FIRST:

KITE TRACTION ACTIVITIES, INCLUDING KITE BUGGYING, ARE EXTREME SPORTS, WHICH CAN BE BOTH EXHILARATING AND DANGEROUS. YOU MUST READ AND ABIDE BY THE FOLLOWING SAFETY WARNINGS TO ENSURE THAT YOU HAVE A GREAT KITE BUGGYING EXPERIENCE.

SAFETY WARNINGS:

GENERAL:

- Read all instructions and safety guidelines **before** using Flexifoil products
- Use extreme caution when using kite traction equipment. Improper use of this equipment can cause injury or death.
- Traction kites are not parachutes or paragliders and must not be used as such.
- Do not use this buggy under the influence of alcohol or mind-altering drugs.

LEARNING:

- Do not attempt to kite buggy until you have mastered control of your traction kite.
- Beginners should learn to kite buggy in lighter winds or seek tuition from an authorised instructor.

WEATHER CONDITIONS:

- Never use your buggy in conditions that are too extreme or winds that are too strong for your skill level or your equipment.
- Never kite buggy if you cannot safely handle the power of your kite. Use a smaller kite or wait for lighter wind.
- Gusty winds can cause difficulties for the inexperienced flier. Wait for steady (clean) winds.



BUGGY INSTRUCTIONS

Safety

LOCATION / SITE ASSESSMENT:

- Do not kite buggy near overhead power cables, roads, airports, cars, railways, people or animals.
- Always behave in a responsible manner and respect other site users.
- Always select a buggy site free from people and obstacles and dangerous items such as broken glass. Stay away from unsecured kites and lines on the ground as a kite can re-launch itself at any time. Disable your kite and lines on the ground when not in use.
- Never kite buggy on congested beaches and fields or where your activity could injure someone.
- Respect nature. Don't leave any rubbish behind.
- Always maintain plenty of clear space around you in all directions. A kite can pull you down wind for a considerable distance.
- Make sure you have permission from the site owner, if applicable.

EQUIPMENT:

- You must always check all your equipment (buggy, kite, lines, harness, safety gear etc.) before using it. Do not kite buggy with worn or damaged lines or equipment. Repair or replace accordingly.
- Always kite buggy with the appropriate safety equipment (helmet, knee and elbow pads, strong shoes, suitable eyewear, gloves etc.). Never attach yourself permanently to the kite.
- Kite lines and bridles under tension can cut like a knife and can cause serious injury or death. Always keep your kite lines away from people, animals and other buggy pilots.
- Never allow inexperienced kite fliers to use your equipment.
- Remember you are responsible for the safe operation of your kite, buggy and equipment. Use common sense.

INSURANCE:

- We strongly recommend you take out a third party liability insurance that covers kite bugging.



BUGGY INSTRUCTIONS

Box Contents

Your buggy box should contain the following parts. If the box is not complete contact your dealer immediately.



3 wheels (un-inflated)
with fitted bearings.



1 front fork



1 left and 1 right side frame



1 front fork down-tube with
fitted bearing bushes



1 splash guard kit



2 foot pegs



2 adjustable spanners



1 seat



A bag containing the following:

- 1 stainless steel bolt with large flat washer for the front fork
- 2 stainless steel bolts with self-locking nuts for the foot-pegs
- 2 stainless steel bolts with self-locking nuts for connecting the side frames to the down-tube.
- 2 stainless steel bolts with self-locking nuts for securing the side tubes to the rear axle.
- 2 hi-tensile steel bolts with spring washers for mounting both rear wheels to the rear axle.
- 1 stainless steel front axle bolt with self-locking nut and two wheel spacers.



1 back axle



1 product registration card



BUGGY INSTRUCTIONS

Assembly

FRONT FORK ASSEMBLY:



step

- 1 Insert the front fork stem into the down tube bushes. Make sure that you have the down tube the right way round (see picture).



step

- 2 Fit the bolt and the washer. Tighten firmly with the spanner provided.



step

- 3 Insert the front foot-pegs into the front fork lugs. Insert the bolts from the top. Secure the bolts with the nuts, but do not over tighten.



BUGGY INSTRUCTIONS

Assembly

SEAT FRAME AND REAR AXLE:

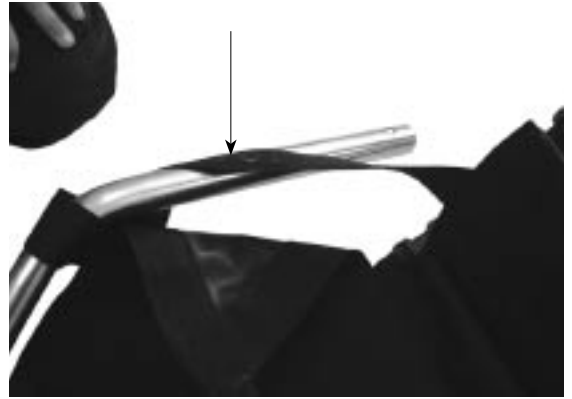


step

4

Insert each side tube through the loop at the front of the seat and then through both loops on the side of the seat.

Note that there is a left and a right side tube.



step

5

Ensure that each side tube also passes through the back-rest strap.



FRONT

REAR

step

6

Your side tubes and seat should now look like this.



step

7

Insert both side tubes into the rear axle.



step

8

Fit the bolts from the top. Do not over tighten the nuts.



step

9

Wrap the large straps at the rear of the seat around the rear axle and connect the buckles together. Pull tight.



CONNECTING FRONT FORK DOWN-TUBE:

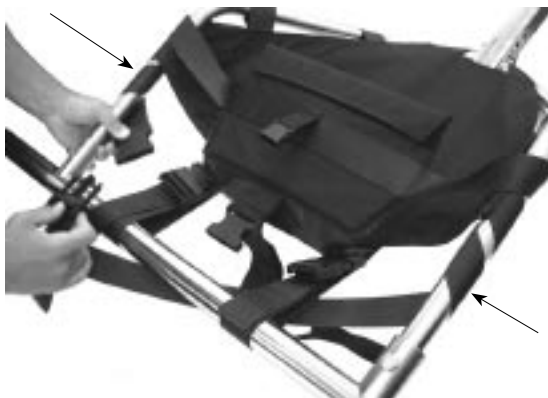


step **10** Fit the front fork down-tube to the frame. Hold the clamps apart whilst inserting the down-tube.



step **11** Adjust to your preferred setting (this will depend on how long your legs are), then insert the 2 bolts and tighten the nuts securely.

SECURING THE SEAT TO THE FRAME:



step **12** Wrap the straps, connected to each side of the seat, around the side tubes TWICE. Feed the longer of the two straps around the axle and connect the buckles together. Pull tight.



step **13** Take the larger width strap (connected to the bottom of the seat) around the back axle and connect the buckles together. Pull tight.



step **14** Repeat the procedure for the small back strap. This strap is long enough to secure a bag / kite behind your seat.



step **15** Make sure all seat straps are tight and look like this.



INFLATING AND MOUNTING THE REAR WHEELS:



step

16

Inflate the wheels but care should be taken when doing so. Before inflation, ensure that the inner tube is completely inside the tyre and that the valve points straight through the valve hole in the rim. Inflate the tyre a little and check for alignment of the tyre on the rim. Ensure the tube is not caught between the tyre and rim. Inflate to your preferred pressure but do not exceed 1.7 Bar (25 psi.)

Note:

Tyre pressure can be lowered to increase the footprint when using your buggy on very soft sand. On hard surfaces like tarmac (blacktop) and hard sand, it is recommended that you inflate your tyres to the maximum pressure.

Fit each wheel to the rear axle by inserting the axle bolt (with the spring washer in place on the outside of the wheel) through the centre of the wheel. The axle bolt goes through both bearings and the internal spacer. If this spacer is not aligned correctly, shake the wheel or use a long thin object to push it into place.

Screw the wheel assembly into the rear axle and tighten securely with the spanner provided. Make sure that both the bolt and the internal thread of the axle are clean and free of sand to avoid damage and cross-threading.

MOUNTING THE FRONT WHEEL:



step

17

Slide the front axle bolt through one side of the front fork and fit one wheel spacer on the inside.



step

18

Hold the wheel in position and push the axle bolt through the wheel. Fit the remaining spacer.



step

19

Fit the nut and tighten securely. Finally check that all bolts and straps on your buggy are secure.



BUGGY INSTRUCTIONS

Assembly

Your buggy should look like this and is now ready for use :





BUGGY INSTRUCTIONS

Assembly

FITTING THE SPLASH GUARD:

This kite buggy comes with a splash guard. This is designed to deflect most water and dirt whilst bugging. However, it is still advisable to wear protective clothing when bugging in wet conditions. Please follow the simple instructions below.



step

- 1** Place hole in splash guard over 'steering stop'. Wrap shorter velcro strap around front fork.



step

- 2** Wrap longer velcro strap around front fork and secure. Make sure strap is tight and then thread strap through loop.



step

- 3** Push flap into downtube.



step

- 4** Make sure the flap is secure.



step

- 5** Hook clips onto seat straps on both sides of the buggy.



step

- 6** Your fitted splash guard should look like this.



CARE AND MAINTENANCE:

Taking good care of your buggy will ensure it has a long and trouble free life. We suggest that you take note of the following maintenance tips:

FRAME:

The frame is made of durable stainless steel and is virtually maintenance free. However, if your buggy is muddy or has been used on the beach in salt water conditions, we recommend that you hose it down thoroughly with fresh water at the end of the day. Inspect the frame for damage and cracks periodically. Do not attempt to repair frame damage yourself, contact your local dealer or Flexifoil International for advice.

SEAT:

The seat can be hosed down at the end of the day. If it is very dirty, you can hand wash it in warm water using a non-bleaching detergent. Allow it to completely dry naturally, before packing it away. Check the seat for wear periodically. Repair any damage prior to next use.

WHEELS AND BEARINGS:

Wheels and bearings will, due to their nature, wear with use. Periodically remove the wheels from the buggy for maintenance.

The rear axle bolts are made from hi-tensile steel (not stainless). This is because stainless steel bolts, when screwed into the stainless steel frame, can "lock up" making them unremovable. Periodically clean the rear axle bolts to prolong life.

Hose the wheels down with fresh water and dry them thoroughly. When completely dry, spray all bearings lightly with a Teflon based lubricant (most bicycle or motorcycle chain sprays are suitable).

Check the plastic hub for damage and cracks. Replace the hub if damage is found. Hubs cannot be repaired. Correct replacements can be obtained from your dealer.

Check the tyres for damage and wear. Replace worn and damaged tyres with new ones of the correct size and type. Correct replacements can be obtained from your dealer.

Bearings should be replaced with new ones when they become worn. Wear can be detected by spinning the wheel on the front axle bolt while holding the axle in both hands. If the wheel is reluctant to spin freely (after lubrication) or has a lot of sideways movement, replace the bearings. Check all wheels. Correct replacements can be obtained from your dealer.

FRONT FORK BUSHES:

The front fork rotates in the down-tube in special hardwearing nylon bushes. It is advisable to periodically remove the front fork from the down-tube to clean the assembly. After cleaning, lightly spray the front fork with a Teflon based lubricant and re-assemble. A little play in the assembly is normal, but if there is excessive wear, replace the bushes. Replacements are available from your dealer.

OTHER ACCESSORIES AVAILABLE:



Wide wheels



Wide back axle



Buggy bearing kit



Foot-strap kit



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