Play 42
Play 42 MK-III
Play 42 UK







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!!! WARNING

This is not a training manual. Attempting to fly this or any other paraglider without proper instruction from a qualified professional instructor is extremely dangerous to yourself and bystanders.

Apco Aviation's gliders are carefully manufactured and inspected at the factory. Please use the glider only as described in this manual. Do not make any changes to the glider. AS WITH ANY SPORT - WITHOUT TAKING THE APPROPRIATE PRECAUTIONS, PARAGLIDING CAN BE DANGEROUS.



GLIDER TECHNIC	AL DATA			
	SIZE		42	
Cells			46	
Area m ²			42	
Area (projected) m ²			35.4	
Span (incl. Stabiliser) m			14.6	
Span (projected) m			12.1	
Aspect Ratio			5.1	
Aspect Ratio (projected)			4.1	
Pilot and Passenger Wei	ght Kg		140 – 240 / 340 UL	
Weight of Canopy Kg			8.4	
Root Cord m			3.47	
Tip Cord m			0.66	
Total length of line used			496	
	LINE	S		
	Material	Diameter / UL	Strength / UL	
Top Floor	Superaramide	1,2 mm / 1,5 mm	110 kg / 150 kg	
Middle Floor	Superaramide	1.8 mm	230 kg	
Lower Floor	Superaramide	2,3 mm	280 kg	
Lower A,B (UL)	Superaramide	2,5 mm	450 kg	
Lower C,D,St (UL)	Superaramide	1,9 mm	320 kg	
Brake Cascades:				
Uppper	Dyneema	1,1mm	95kg	
Lower	Polyester	2.0mm	85kg	
	FABF			
Sail	Cloth	46gr/m ² "Zero Por	osity" Ripstop Nylon	
Rib Reinforcement		180gr/m ² N	/lylar (Trilam)	
Warranty		3 Years	3 Years / 250 hours	

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GLI	DEK	PERF	URIVIAI	NCE DATA

V-min @ optimum wing load	23 km/h
V-trim @ optimum wing load	38 km/h
V-max @ optimum wing load	45 km/h
Min Sink @ optimum wing load	1.1 m/s

GLIDER CERTIFICATION DATA

GLIDER CERTIFICATION DATA	
	AFNOR
PLAY 42 (42)	BIPLACE



1 DISCLAIMER OF LIABILITY

Taking into consideration the inherent risk in paragliding, it must be expressly understood that the manufacturer and seller do not assume any responsibility for accidents, losses and direct or indirect damage following the use or misuse of this product.

APCO Aviation Ltd. is engaged in the manufacture and sale of hang gliding, paragliding, motorized para/hang gliding and emergency parachute equipment.

This equipment should be used under proper conditions and after proper instruction from a qualified instructor. APCO Aviation Ltd. has no control over the use of this equipment and a person using this equipment assumes all risks of damage or injury.

APCO Aviation Ltd. disclaims any liability or responsibility for injuries or damages resulting from the use of this equipment.

The glider is designed to perform in the frame of the required class as certified by AFNOR / CEN

2 CONSTRUCTION

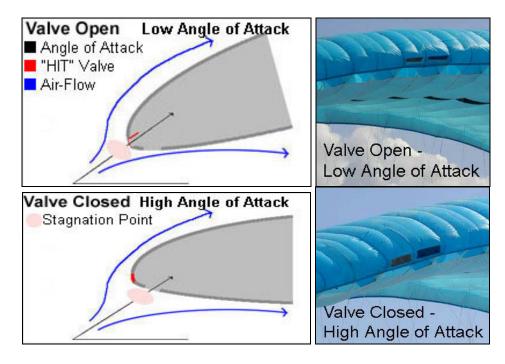
The glider is constructed with a top and bottom surface, connected by ribs. One top and bottom panel, together with the connecting ribs is called a cell. Each cell has an opening on the lower front part. The cells fill with air forcing the panels to take the shape dictated by the airfoil (rib) section. On either side the wing ends in a stabilizer or wing tip, which provides straight-line (Yaw) stability and produces some outward force to keep span-wise tension. The front part of the ribs is made from Trialm Mylar to keep the leading edge shaped at high speeds and in turbulent air. It also improves the launch characteristics of the glider. The line hook-up points are made of Dyneema or Nylon tape.

3 MATERIALS

The glider is made from tear resistant Ripstop Nylon cloth, which is P.U. coated to zero porosity and then siliconized to give the fabric high resistance to the elements. Different cloth is used for the top, bottom and ribs due to their different functions. The lines are made of superaramide covered with a polyester sheath for protection against UV, wear and abrasion. The bottom section of the brake lines is made of polyester because of its better mechanical properties. The carabiners that attach the lines to the risers are made of stainless steel.



4 HIT VALVES (High speed In-Take)



The Play 42 is equipped with an Active HIT Valve system (patent pending) to improve the overall performance and safety of the wing especially during accelerated flight.

The valve system allows maximum inflow of air when the glider acquires a lower angle of attack while accelerated. HIT valves open and close in flight to increase the internal pressure of the glider.

For the valves to work properly it is important to keep them wrinkle free especially in sub zero temperatures. Make sure the valves are lying flat and are in the closed position when you fold the glider. Before launch the pilot should check all the valves and verify that they are flat and cover the entire area of the mesh opening. Creased and wrinkled valves will not adversely affect the safety of the wing.

5 BUTT HOLES (Velcro closure on trailing edge tip)

In order to empty sand and small stones from the glider simply shake out the debris towards the wing tip and open the **Butt holes** (**Velcro closure** on trailing edge tip) and pull out the cloth tongue outside to empty. Do not forget to close the **Butt holes** afterwards.





6 TRIMMING

All Apco gliders are trimmed for optimum performance and safety. It is very important not to re-trim or tamper with any of the lines or risers as this may alter the performance and safety of the glider. Trimming of the brake line should be done in accordance with this manual and carefully checked before flying.

7 HARNESS

All of Apco's gliders are developed with the use of ABS (Automatic Bracing System) type harnesses without cross bracing. We recommend the use of an ABS harness with all our gliders. All certified harnesses can be used with our gliders. For best safety and performance we recommend an Apco harness equipped with a Mayday emergency parachute.

CAUTION:

CROSS BRACING THAT HAS BEEN ADJUSTED TOO TIGHTLY CAN AFFECT THE HANDLING OF A GLIDER, AND MAY NOT NECESSARILY LEAD TO GREATER SAFETY. APCO GLIDERS ARE DEVELOPED AND TESTED WITHOUT THE USE OF CROSS BRACING. USING AN ABS HARNESS WITH CHEST STRAP SET AT THE SPECIFIED WIDTH (CHECK THE AFNOR STICKER ON YOUR GLIDER) WILL RESULT IN THE HIGHEST PASSIVE SAFETY ON YOUR GLIDER.

It is recommended to use a certified rescue parachute when flying. Attaching the rescue parachute should be done in accordance with the recommendation of the harness and reserve parachute manufacturer. The attachment should be performed and inspected by a qualified person.

8 SPREADERS

Tandem flying requires the use of spreaders. The two most commonly used types are soft spreaders and spreader bars. The choice of which spreader to use is up to the personal preference of the pilot.



9 RISERS

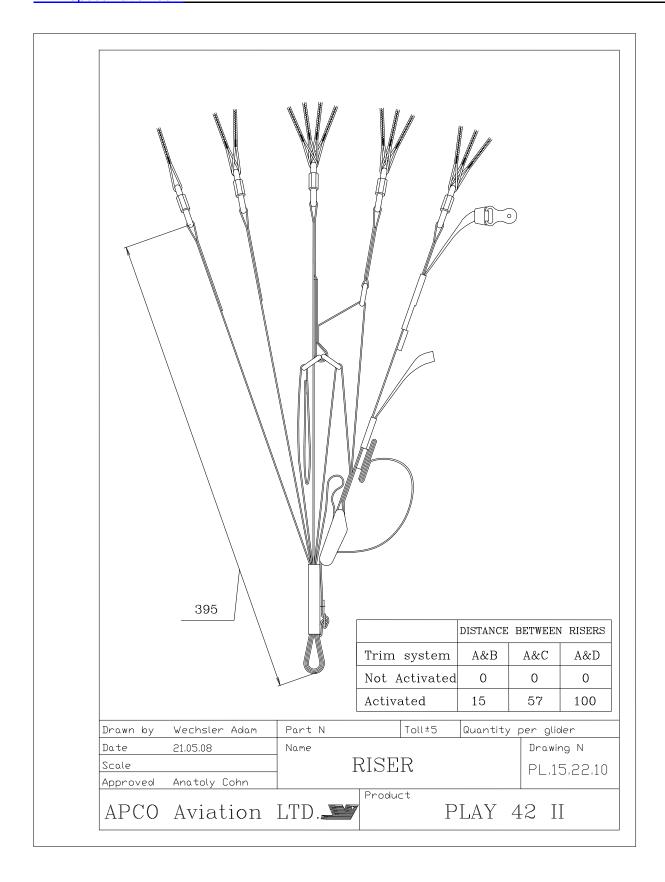
The Play42 MKII risers have two brake pulley positions; higher or lower (see drawing). The factory default is the higher position. For paramotor use or for other reasons you may alter this brake position. To do so, follow these steps:

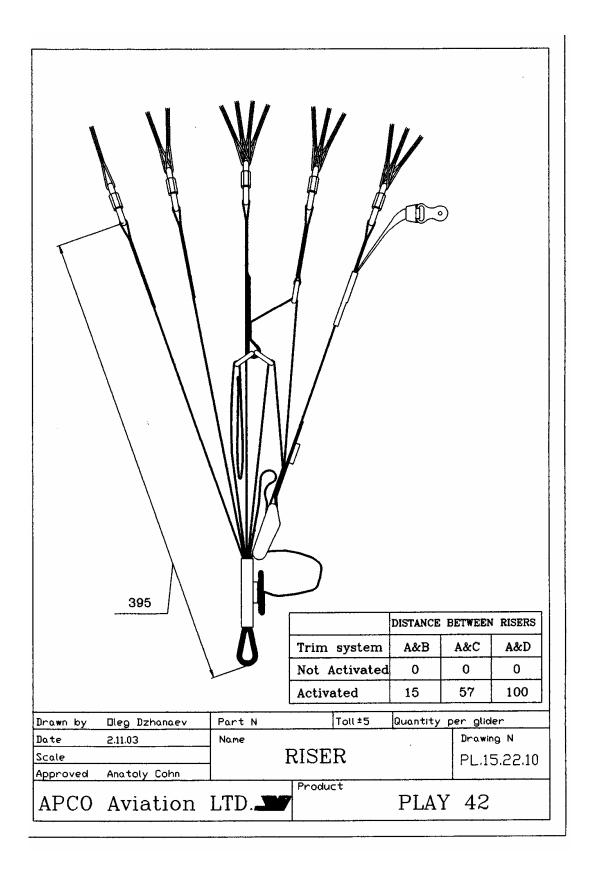
- 1. Mark the brake handle knot position using a pen.
- 2. Open the brake line knot, remove the handle and brake line from the pulley.
- 3. Unhook the pulley from the webbing on the riser and hook it in the lower position.
- 4. Thread the brake line through the pulley.
- 5. Re-knot the brake line 15 CM lower from the pen marking you made in step 1.
- 6. Repeat these steps for the second riser.

Note: always test-inflate you glider after adjusting brake position.

The Play42 is supplied with a split A riser. The first A-riser is attached to the outermost A line (A5). The second A-riser is attached to the central two A lines (A1 & A3). This is to facilitate *big ears* or *tip tucks*. At no time should the pilot change the risers or use risers not intended for this specific glider as this will affect the performance and safety of the glider.







10 TRIMMERS

The Play42 and Play42 MKII risers are equipped with replaceable trim tabs for accelerated flight. The neutral setting is when the A/B/C/D risers equal in length. We recommend the neutral position for take off and landing. To accelerate the glider,



open the trimmers. For flat turns in thermals with light brake pressure, close the trimmers fully.

If your trim tabs are worn out simply fray the safety stitch, take out the trimmer webbing and replace it with new APCO trimmer webbing. After re-installing the trimmer webbing make sure to sew a safety stitch at same distance as the original in order to have the full trimmer range.



11 EMERGENCY PARACHUTE ATTACHMENT

It is recommended to use a certified rescue parachute when flying. Attaching the rescue parachute should be done in accordance with the recommendation of the harness and reserve parachute manufacturer.

12 INSPECTION

12.1 GENERAL

Pilots, please insure that your glider has been test flown and checked by your dealer before taking it into your possession.

12.2 BRAKE SETTING

Before the first flight the pilot/dealer has to inflate the glider, check and adjust the brake lines length to his or her preference. It is important that the brakes are not set too short. If the glider is above your head the brakes should not be pulling the trailing edge down as this means that the brakes are too short. A good setting is to have about 10 cm of slack in the brake from the brake guide on the riser to the activation point of the brakes (See Diagram 11-1 below). If the pilot changes the type of spreader bar, please check the brakes again to ensure that the brakes are not too short.



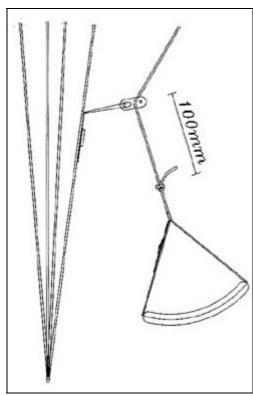


Figure 12-1 Brake Line Adjustment

12.3 FIRST CHECK AND PREFLIGHT INSPECTION

With every new glider, check the following:

- ☐ Connection points between the glider and the harness.
- ☐ No lines twisted, tangled or knotted.
- ☐ The risers and speed-system are hooked up to the harness correctly.

12.4 REGULAR INSPECTION CHECKS

- ☐ Damage to lines, webbing and thread on the stitching of the harness and risers.
- ☐ All stainless steel connection links on the risers are not damaged and are fully closed.
- ☐ The pulleys of the speed system are free to move and the lines are not twisted.
- ☐ The condition of the brake lines, stainless steel ring and knot attaching the brake handle to the brake line.
- ☐ The sewing, condition of the lines and connection of the lines.
- □ Damage to hook up points on the glider.
- ☐ Internal damage to the ribs and diagonal ribs.
- Damage to the top and bottom panels and seams between panels.

12.5 LINE MAINTENANCE

Four groups of suspension lines and one brake line are attached to each riser. The four groups are called A, B, C, D and brake lines. The stabilizer lines are connected along with the B-lines. Superaramide lines are known to be sensitive to the influence of the elements. They must be carefully inspected periodically. In his/her own interest, the pilot must observe the following points to ensure maximum performance and safety from the glider.



П	Avoid sharp bending and squeezing of lines.
	, , , ,
	Take care that people do not step on the lines.
	Do not pull on the lines if they are caught on rocks or vegetation.
	Avoid getting the lines wet. If they do get wet, dry them as soon as possible at
	room temperature and never store them wet.

IT IS MANDATORY TO CHANGE THE BOTTOM LINES ON EVERY PARAGLIDER ONCE A YEAR OR EVERY 100 HOURS, WHICH EVER COMES FIRST. THE REST OF THE LINES MUST BE CHECKED YEARLY AND REPLACED IF NECESSARY. NEVER REPLACE THE LINES WITH DIFFERENT DIAMETER OR TYPE OF LINES AS ALL GLIDERS WERE LOAD TESTED FOR SAFETY IN THEIR ORIGINAL CONFIGURATION. CHANGING LINE DIAMETER/ STRENGTHS MAY HAVE FATAL CONSEQUENCES.

Every six months one lower A, B, C and D line must be tested for minimum 50 % of the rated strength. If the line fails under the load test or does not return to its specified length all the corresponding lines must be replaced.

Professional use of gliders: towing, tandem, schooling and competition flying requires more frequent line inspection and replacement of A, B, C, D and brake lines.

13 LAUNCHING

As this is not a training manual we will not attempt to teach you proper launch techniques. We briefly cover the different launch techniques to help you get the most out of your glider.

13.1 LAYOUT

Pre-flight check should be done before every flight. Spread the glider on the ground. Spread the lines, dividing them into groups A, B, C, D and brake lines left and right. Make sure the lines are free and not twisted or knotted. Make sure all the lines are on top of the glider and that there are none caught on vegetation or rocks under the glider. Lay out the glider in a horseshoe shape. This method insures that all the lines are equally tensioned on launch, and results in an even inflation. The Mylar rib section and the FlexonTM rib reinforcements will keep the leading edge open for easy inflation. The most common reason for a bad launch is a bad layout!

13.2 ALPINE LAUNCH OR FORWARD LAUNCH

The Play42 has very good launch behaviour in no wind conditions. For best results we recommend the following techniques: Lay out the glider and position yourself at the center of the wing with the lines almost tight. With a positive and constant force inflate the wing holding only the A-risers, and smoothly increase your running speed. The wing will quickly inflate and settle overhead. The pilot might have to apply some brake to stop the wing from overshooting the pilot on an aggressive run. After releasing the A-risers, apply about 15% brakes and the Play42 will gently lift you off the ground.

13.3 STRONG WIND AND REVERSE LAUNCH

The Play42 has ample lifting power and care should be taken in strong wind. It is advisable to have an assistant anchor the pilot when attempting a strong wind launch. It also helps to release the A-riser just before the glider gets above your head. Then pull a bit of brake to stop the wing from overshooting, but not too much



as the glider might pull you off your feet too early. The assistant should let the pilot walk under the wing to reduce the wing load during inflation rather than resist its pull; this reduces the tendency of the glider to lift the pilot prematurely.

13.4 TOW OR WINCH LAUNCHING

All Apco gliders are well suited for winching and have no bad tendencies on tow. With towing it is important to have the wing above your head on launch and not to try and force a stalled wing into the air. This is especially important if the winch operator is using high tension on the winch. Very little brake if any need be applied on launch and during the tow. Directional changes should be made with weight shift rather than brakes. While on tow, the brake pressure will be higher and more input may be needed to make corrections than in normal flight.

14 FLIGHT TECHNIQUES

14.1 FLYING SPEED

Indicated trim speed is dependant on the amount of brake the pilot is using, wing loading, altitude above sea level and the accuracy and make of speed probe. The speeds recorded were taken at optimum wing loading at sea level using a Skywatch Pro; Slight variations in speed range values are expected.

NOTE:

The speeds indicated in the technical data sheet are the correct speeds measured at sea level using a calibrated instrument flying at optimum wing loading. Speed readings in the flight reports could differ as this was measured during testing using various instruments and is an indication of the difference between trim, stall and top speed. The speed range will be the same but the actual numbers may differ.

With 0% brake the Play42 will fly at 37 km/h with a sink rate of 1.2 m/s.
At 25% brake the glider will fly at 33km/h with minimum sink rate 1.1 m/s.
The best glide angle is achieved with 0% brakes.
With 80% brake the glider will fly at about 24km/h and will be close to the stall
POINT 22KM/H.

CAUTION:

Apart from flaring for landing, there should be no reason to fly with 70% to 100% brake. The sink rate will be excessive and you risk entering deep stall or full stall. There's also a risk of entering a spin (negative) when attempting to turn the glider near the stall speed.

WARNING:

USE THE TRIMMERS IN TURBULENT CONDITIONS OR CLOSE TO THE GROUND WITH CAUTION. WHILE FLYING WITH THE TRIMMER RELEASED, THE GLIDER HAS A REDUCED ANGLE OF ATTACK AND IS THEREFORE MORE SUSCEPTIBLE TO TURBULENCE AND MAY COLLAPSE OR PARTIALLY DEFLATE. GLIDERS REACT FASTER WHEN ACCELERATED AND MAY TURN MORE. PLAY 42 IS EQUIPPED WITH HIT VALVE SYSTEM IMPROVING L/E DEFINITION AT HIGH SPEEDS.



14.2 THERMAL FLYING

The Play 42 has excellent thermalling capacity and will be a pleasure to fly even when you are in a big gaggle or just having fun on a long XC flight. The glider has high internal pressure and needs very little pilot input even in very turbulent conditions. In light lift it is advised to make flat turns to keep the glider from banking too much and avoid increasing the sink rate. In strong lift conditions it is most effective to have small turns in the core with relatively high bank. For the best climb rate in ridge lift we recommend using about 15% to 20% brake.

14.3 ASYMMETRIC COLLAPSE

If one side of the glider partially folds or collapses it is important to keep your flying direction by applying some brake on the opposite side. The wing should re-inflate on its own without any input from the pilot. To assist re-inflation it is possible to pull some brake on the collapsed side and release immediately. In the event of a big deflation, i.e. 70%, it is important to give brake in the opposite direction but **care must be taken not to pull too much as you could stall the flying side**. The glider is very solid and has a very strong tendency to re-inflate after any collapse. It is important to remember that the glider will behave a bit more aggressively if the collapse happens with the trimmers released (open). Do not fly with the trimmer completely released in very turbulent conditions.

14.4 CRAVAT

In case a cravat occurs from an asymmetric collapse or other manoeuvres, it is important to maintain your flying direction by applying some brake on the opposite side. The cravat can usually be opened by pulling down on the stabilo line of the affected side while countering the turn with opposite brake and weight shift. It also helps sometimes to pull Big Ears to release the tension on the affected lines, or a combination of the above techniques, i.e. pulling on the stabilo after pulling Big Ears.

14.5 FRONT STALL OR SYMMETRIC COLLAPSE

In the event of a front stall the glider will normally re-inflate on its own immediately without any change of direction. To speed up re-inflation briefly apply 30-40% brake (to pump open the leading edge). Do not hold the brakes down permanently to avoid an unwanted stall. With the trimmers completely released the pilot must pull about 30% brake to speed up the inflation process.

14.6B-STALL

The Play 42 has a very clean and stable B stall. To enter the B stall the pilot has to pull on B-riser slowly until the glider loses forward speed and starts to descend vertically. Then the pilot can pull more on the B until he/she attains a stable 7 to 9 m/s descent rate. The glider has no tendency to front rosette or become pitch unstable. To exit the B stall the pilot releases the B slowly until the glider has regained its shape and then the last 15 cm fast to prevent the glider from entering deep stall. The Play 42 can be controlled directionally in the B stall by pulling more on one B riser than on the other to create a turn in any direction. The B-stall is a safe controlled way of losing altitude fast without any forward speed.

Due to the high load on the B-lines, sometimes it is very difficult to do B-stall a tandem. This is why you may also try to perform B-stall by grabbing the handles on the B-riser and pulling them down. The handles activate a special reduction mechanism to lessen the force necessary to make a B-stall. To exit a B-stall, release

the riser fast, to prevent any chance of entering deep stall, especially with light wing loading.

14.7BIG EARS

Height can be lost in a controlled way by collapsing both tips. To do this, grab the outer-most A-line (attached on its own riser) on both side and pull down until the tips collapse. Pulling one side at a time may be more comfortable and easier, especially for lighter pilots. This should fold about 30% of the wing in total. It is possible to steer with weight shift.

Big ears yield around 7 m/s sink-rate with about 45-km/h forward speed. To exit, release the outer A-lines.

Sometimes, it may be necessary to apply a little brake to open the tips. If using the brakes to open the tips, it is best to open one tip at a time to avoids reducing your airspeed.

CAUTION

DO NOT ATTEMPT ANY EXTREME MANEUVERS WITH THE TIPS COLLAPSED AS THIS DOUBLES THE LOAD ON THE CENTER LINES AND ATTACHMENT POINTS AND COULD LEAD TO FAILURE.

14.8 DEEP STALL OR PARACHUTAL STALL

Under normal flying conditions the Play 42 has no tendency to enter deep stall. All gliders can however, under certain conditions, enter and stay in deep stall configuration (as a result of ageing of materials, improper maintenance or pilot induced).

14.8.1 Signs of parachutal stall

The pilot has very little or no forward speed and no wind in his/her face.
The glider is fully open yet the cells are bulging in and not out on the bottom
surface.
The glider might have a very slow turning sensation.
You will have an increased vertical descent.

14.8.2 Exit from parachutal stall

It is important to recognize this situation. Most accidents involving parachutal stall occur because pilots fail to realize a deep stall situation.

The best way to exit a parachutal stall is to pull all the A risers down to get the wing flying again. The pilot can pull the A riser down until the wing starts to fly again. The moment the wing starts to fly the pilot should release the A riser or the wing might suffer a frontal collapse.

Alternatively the pilot can release the trimmers to lower the angle of attack and get the wing flying again.

By pulling one or both brakes while in deep stall the pilot can accidentally enter a full stall or spin.



14.9SPIRAL DIVES

The Play42 has very good behaviour in spiral and has no tendency to stick in a spiral. By progressively applying brake on one side the glider can enter a spiral dive. Safe high sink rates can be achieved. The spiral has to be exited slowly by releasing the brake over one complete turn or the glider may pitch forward (surge) and possibly suffer a collapse.

Care must be taken that the pilot has enough height to exit the spiral safely.

Sink rates in excess of 19m/s can be obtained.

CAUTION:

SOME GLIDERS CAN BE NEUTRAL IN SPIRAL AND MAY NOT EXIT WITHOUT PILOT INPUT. TO EXIT A NEUTRAL SPIRAL THE PILOT HAS TO LEAN HIS/HER WEIGHT TO THE OUTSIDE OF THE TURN OR APPLY BRAKE ON THE OUTSIDE WING. AS SOON AS THE GLIDER STARTS TO SLOW DOWN IN THE SPIRAL THE OUTSIDE BRAKE MUST BE RELEASED.

PILOTS MAY SUFFER A BLACK OUT IN A SPIRAL. THE PILOT HAS TO EXIT THE SPIRAL AS SOON AS HE/SHE FEELS ANY ABNORMAL SYMPTOMS (BLACK DOTS IN FIELD OF VISION OR LIGHT-HEADEDNESS).

14.10 STRONG TURBULENCE

NEVER FLY IN STRONG TURBULENCE!

If you unexpectedly encounter strong turbulence, fly with about 20% brake applied to increase the internal pressure and the angle of attack of the canopy and land as soon as possible. If the air is turbulent on landing approach, land with Big Ears.

Learn to fly actively and to anticipate collapses and prevent them by applying brake when needed before you have unwanted collapses.

14.11 STEERING NOT FUNCTIONING

If the pilot cannot reach the brake or steering lines for any reason or if they are not functioning properly, (for example: snapped on a damage point) he or she can control the glider by pulling down on the rear risers.

Care must be taken when steering like this, as much less input is needed to turn the wing and the response of the wing is also much slower than when using the brakes. IF YOU PULL TOO MUCH ON ONE OR BOTH RISERS THE GLIDER WILL SPIN OR STALL.

On the landing flare the pilot should be especially careful not to stall the glider too high.

15 LANDING

Before landing the pilot should determine the wind direction by checking a windsock, flag, smoke drift or your drift over the ground while performing one or more 360 degree turns.



At a height of about 50 meters above the ground begin your landing approach.
The most commonly used one is to head into the wind and depending on the wind
strength the pilot should reach his/her landing point by making s-turns.
At a height of about 15 meters make your final approach in trim speed into the
wind
At a height of 0.5 to 1.0 meter you can gently flare the glider by pulling gradually
down on the brakes to the stall point. When top-landing it is sometimes not

necessary to flare or a much gentler flare is necessary, especially in strong ridge

15.1 TREE LANDING

conditions.

If it is not possible to land in an open area, steer into the wind towards an unobstructed tree and do a normal landing approach as if the tree is your landing spot. Flare as you would for a normal landing. On impact keep your legs together and protect your face with your arms.

After any tree landing it is very important to check all the lines, line measurements, and the canopy for damage.

15.2 WATER LANDING

As you approach landing, release all harness buckles (and cross-bracing if present) except for one leg. Just before landing, release the remaining buckle. It is advisable to enter the water downwind. Let the canopy swing forward completely until it meets the water with the leading edge openings; the air inside will be trapped forming a big air mattress and giving the pilot more time to escape. Less water will enter the canopy this way making the recovery much easier. Get away from the glider and lines as soon as possible to avoid entanglement. Remember that a ballast bag can be emptied and then inflated with air to aid flotation.

The canopy should be carefully inspected after a water landing, since it is very easy to cause internal damage to the ribs if the canopy is lifted while containing water. Always lift the canopy by the trailing edge, not by the lines or top or bottom surface fabric.

15.3 LANDING IN TURBULENCE

One of the safest ways to land a glider in turbulent conditions is to use Big Ears. This reduces the chances of getting a collapse during final approach. Use weight shift to control your approach. It is possible to keep the ears in until you are ready to flare the glider. Simply release the A-risers and flare the glider starting a little higher than usual. Practice this in normal conditions before you need it in an emergency.

16 PACKING

Spread the canopy completely on the ground. Separate the lines to the left and the right side of the glider. If the risers are removed from the harness, join the two risers together by passing one riser end loop through the other. This keeps them neatly together and helps prevent line entanglement.

Fold the canopy alternately from the right and left sides, working towards the center, press out the air, working from the rear towards the front. Place the risers at the



trailing edge of the folded canopy and use them to initiate the final roll up of the canopy.

17 MAINTENANCE & CLEANING

Cleaning should be carried out with water and if necessary, mild soap. If the glider comes in contact with salt water, clean thoroughly with fresh water. Do not use solvents of any kind, as this may remove the protective coatings and destroy the fabric.

18 STORAGE

When the glider is not in use, store it in a cool, dry place. A wet glider should first be dried out (not in direct sunlight). Protect the glider against sunlight (UV radiation). When on the hill keep the glider covered or in the bag. Never store or transport the glider near paint, petrol or any other chemicals.

Do not leave your paraglider in the trunk of a car or exposed to the sun.

Temperatures on a hot summer's day in a closed environment: car, etc. can easily reach over 60°C

At these temperatures Nylon permanently changes its characteristics which may alter the behavior and shape of the wing.

It will cause permanent damage to the paraglider, rendering it non-airworthy. APCO's warranty will not be applicable.

19 DAMAGE

Using rip-stop sail repair tape (for non-siliconized cloth) to repair tears in the canopy (up to 5cm). A professional repairer should repair greater damage.

20 GENERAL ADVICE

A qualified person or APCO agent should check the glider every year.

The glider is carefully manufactured and checked at the factory. Never make changes to the canopy or the lines. Changes can introduce dangerous flying characteristics and will not improve flying performance.

Do not expose the glider to direct sunlight when not necessary. In order to protect the glider during transportation or para-waiting we recommend one of our lightweight storage bags.

If you have any doubts about flying conditions - do not begin.

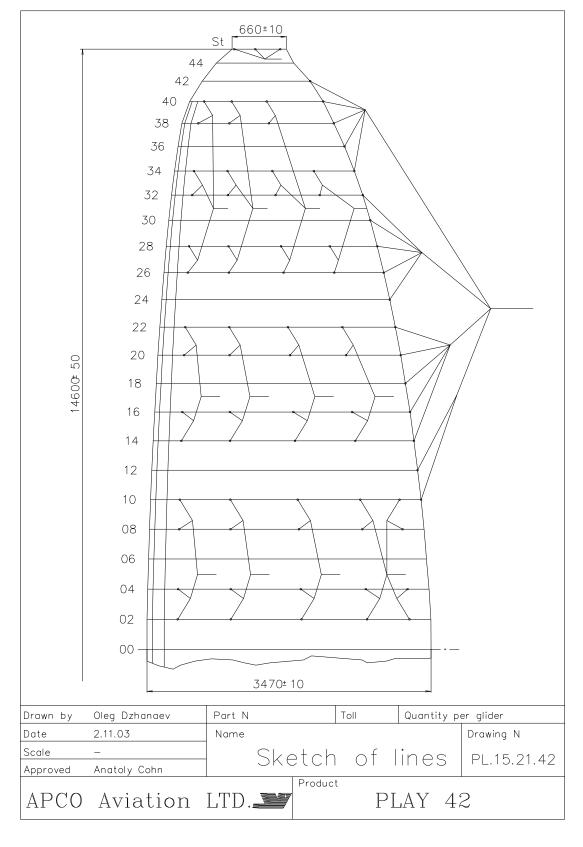
If you have any questions, please contact your dealer or us.

Lastly, carry a certified emergency parachute and helmet on every flight.

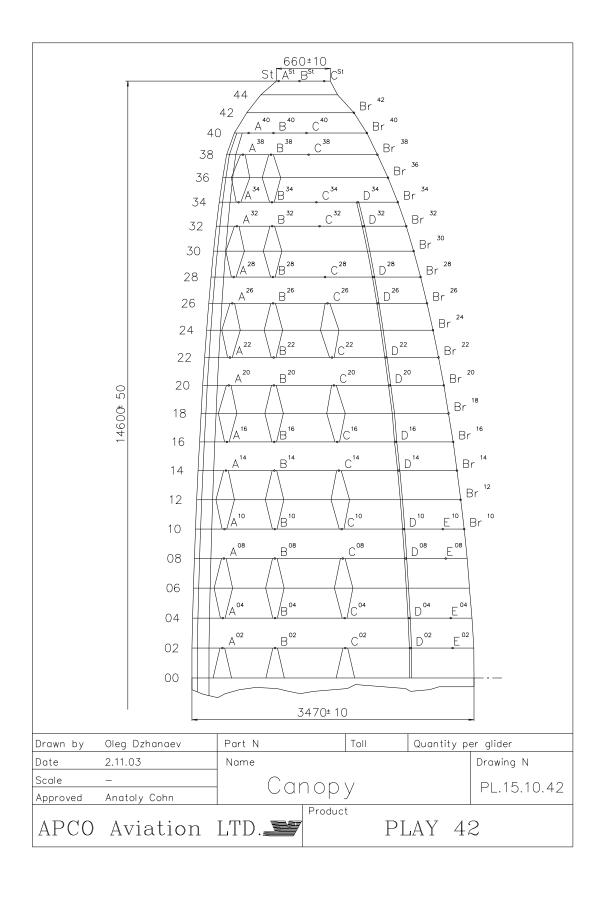


21 PLAY42 SKETCHES AND CERTIFICATION

21.1 SKETCHES







21.2 CERTIFICATION

SHV

Category: Tandem-two

seater FSVL

Catégorie: **biplace**



Reference number Standards AFNOR S52-308/309

N° de conformité aux normes AFNOR S52-308/309

G 631/04

Certified date:

Date de délivrance:

31 /01 / 2004

MANUFACTURED / MARQUE:

AVIATION

MODEL / MODÈLE: Play for 2

Configuration during the tests / Configuration en tests

Minimum flying weight: Poids mini total en vol:

140 kg

Type of harness Harnais

ABS

Maximum flying weight: Poids maxi total en vol

240 kg

Manufactured: Marque:

Sup'Air

Weight of the model: Poids du modèle:

8.4 kg

Model: Modèle: **Evasion**

Number of risers:

Nombres d'élévateurs:

4

Seat/maillons distance: Distance maillons/assise: 42 cm

Chest strap adjust: Entr'axe maillons:

47 cm

Accessories / Accessoires

Range of seed barre: Accélérateur: in cm

No/Non

12 km/h

Range of trimmers:in cm Afficheurs:

10 cm

Breakes speed range: Plage de vitesse aux freins:

in Km/h

Range with accessories:in Km/h
Plage de vitesse avec accéssoires:

19 Km/h

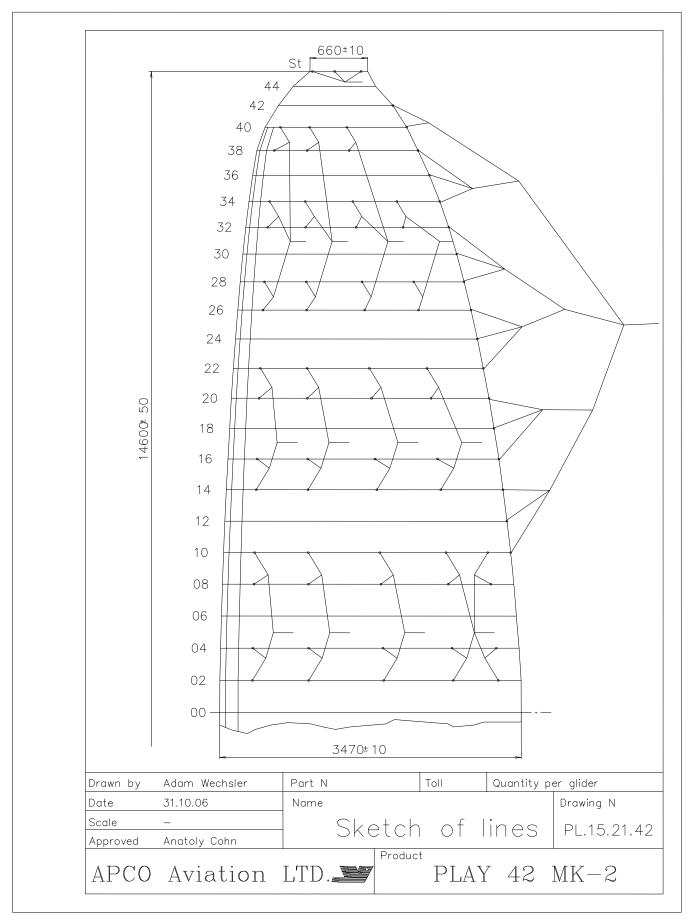
Check every: Révision tous les: After 100 flights or 1 year Après 100 vols ou 1 année

Warning: before use refer to the user's manual

<u>Avertissement</u>: avant utilisation, prendre connaissance des instructions du manuel de vol!



22 PLAY42 MK II SKETCHES





APCO wishes you many hours of enjoyable flying.

Take Air!

