

independence gliders for real pilots

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Owner's manual Harness Mountain

26.04.2007

With the Mountain you got one of the most comfortable and most functional harnesses, which is available on the market at present. We thank you for the confidence, for buying the Mountain harness. Please read this operating instructions carefully and consider, that Independence can not be made liable for accidents and damage, which result from disregarding of the operating instructions.

Technical description:

- DHV certified Airbag-protector
- maximum pilot weight: 120 kg
- unloaded weight: 1,6 kg
- seat position in flight adjustable

Overview:



- a) Leg loops (without buckles)
- b) Chest-belt (without buckles)
- c) Lateral chest-belt
- d) Main suspension
- e) Shoulder-belts
- f) Airbag-Protector
- g) Airbag fastenings (velcros)
- h) Airbag entry-opening

How to put on the harness:

Because the Mountain is a special light-weight harness we have designed it intentionally without heavy buckles. Out of this reason the chest-belt and the leg-loops have no buckles which could be opened to put the harness on! To put the harness on you have to get in with both legs from the upper side into the harness, similar like putting trousers on! You have to take care that you get into the chest-belt as well as into the leg-loops. After that you put the shoulder-belts above your shoulders. Finally you have to check if all belts are put on correctly. No belt is allowed to run between pilot and harness!!

Adjustment possibilities:

Adjustment possibilities exist at the shoulder belts, the chest belt and at the lateral chest belts. By the versatile adjusting possibilities of the Mountain we recommend in any case that all adjustments are done in a simulator before the first flight to guarantee an optimal seat comfort.

Adjusting the chest belt:

The chest belt should be adjusted according to personal preferences of comfort and agility. The chest belt should not be tightened too closely.

Adjusting the shoulder belt:

Please note that with correct adjusting the shoulder belts are felt with light pressure on the shoulders. With the shoulder belts you adjust the harness on the pilot's height, but also you adjust how far the upper body can lay backwards.

Adjusting the lateral chest belt:

Adjusting the lateral chest belts takes place as third step and offers on the one hand again the variation of the seat position of the upper body, on the other hand you adjust with the lateral chest belts the most comfortable seat position. During adjusting it should be paid attention to the fact that the body load is distributed evenly on shoulder belt and lateral chest belt.

Attaching a rescue-system:

The mountain does not have an integrated rescue-system container!!

Out of this reason you have to mount an separate frontal container for the rescue-system (suitable frontcontainers are supplied by us!).

This container have to be attached at both sides at the main suspension's carabines. Also the connection-bridle of the rescue-system have to be attached at both main suspension carabines. In case that the bridle of the rescue-system is too short for attaching it at both main suspension's carabines, special extensions can be supplied by us.

Airbag-Protector (System Cygnus):

The Airbag-Protector of the Mountain is already mounted to the harness by the airbag-fasteners (velcros, see at point g)). You always have to take care that these nine velcro-fasteners are closed correctly and the airbag-protector and the harness are combined properly.

Storage-bag:

As storage-bag (for example for the glider's Rucksack or something similar) you are only allowed to use the therefore assigned bag, which is inside of the airbag-protector at the back-part of the harness. You are not allowed to use the inflating part of the airbag as a storage bag, because this can cause a malfunction of the airbag-system.

In use:

Before you use your Mountain harness, you have to check the following points:

- Storage-bag in the back-part: Zipper closed, that nothing can get into the inflated protector part?
- To be inflated protector-part of the Cygnus empty?
- Zipper of the Cygnus protector closed? (Outer zipper)?
- Air-entry-opening/Air-entry-opening-valve working properly?
- Outer shell of the Cygnus airbag not damaged?

Maintenance/Duration of life:

This protector-system is more or less maintenance-free. Only the outer shell of the airbag-protector should be checked regularly before every take-off, if there are any damages (holes or cracks), because this can cause the outer shell to burst during an impact and will reduce the protection.

If you find any damages these must be repaired by the manufacturer or an authorized dealer/workshop.

The provisional duration of life are 5 years. Please give us a call after this 5 years, because then we have checked even older protectors' function and performance, and can decide over a longer duration of life. (What most probably will not be a problem).

Tandem flights:

The Mountain harness is suitable as a passenger's harness for biplace flights. It's not suitable as pilots harness, because it has no integrated rescue-system container, and the airbag-protector would not work properly because of the in front sitting passenger.

Towing:

The Mountain harness is generally suitable for towing.

Mounting the towing-device:

The towing device is mounted with suitable connecting links at the main suspension's carabines. Note: The used connecting links must stand at least 150kp per side! If you are not sure about the mounting, an authorized person or the manufacturer should be consulted.

Life span, replacing time of construction units, repair hints:

The harness Mountain was built for high loads and strong use. Accordingly, for the choice of the materials particularly high criteria were set. However the life span depends also on the treatment of the harness by the pilot, so we recommend to check the harness from time to time, if there are faulty or damaged parts, which should be replaced or repaired then.

Especially take care of defective seams, which should be immediately repaired by an authorized workshop. Further you have the possibility to send us the harness for checking.

In order to prevent problems with the harness we recommend:

- avoid handling with fire and sharp edged articles near your harness.
- avoid unnecessarily long sun effect, because ultraviolet radiation destroys the molecular structure of the material
- avoid the contact with seawater or acid liquids.

Maintenance and control:

The harness Mountain is more or less maintenance-free. But regular control in short periods gives you the guarantee of an unrestricted function of your belt system. Maintenance of the airbag-protector see above.

DHV certification:

Deutscher Hängegleiterverband e.V. im DAeC

DHV/OeAeC-Technikreferat

LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel
Beauftragter der österreichischen Luftfahrtbehörde

**Luftsportgeräte-Kennblatt
Gleitsegel-Gurtzeug**



Geräte-Kennblatt Nr.: *DHV GS-03-0354-07* Ausgabe: 0 Datum: *08.06.2007*

I. Musterprüfung

1. Gerätemuster: *Independence Mountain*
2. Hersteller: *Fly market Flugsport-Zubehör GmbH & Co. KG*
3. Datum der Musterprüfbescheinigung: *08.06.2007*

II. Merkmale und Betriebsgrenzen

1. Gurtzeuggruppe: *GH*
2. Gerätegewicht (ohne Packsack kg): *1,6*
3. Maximal zulässige Anhängelast (kg): *120*
4. Integrierter Rettungsgeräte-Außencontainer: *Nein*
5. Gurtzeugprotector-Muster: *Fly market Flugsport-Zubehör GmbH & Co. KG - Cygnus Mountain*
6. Sonstige Besonderheiten:

III. Betriebsanweisungen

Betriebsanweisung in der genehmigten Fassung vom 26.04.2007

Deutscher Hängegleiterverband e.V.
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