

AgedCare

AIRBAG BELT HIP GUARD THAT PROTECTS THE
HIPS OF SENIORS IN THE EVENT OF A FALL

Don't worry parents' safety anymore

Product model: DDFH-1A

Please read and understand the instructions before use
The company reserves the power of interpretation of the
instructions

Pictures for reference only, subject to the physical
products

If product technology or software is upgraded, no further
notice will be given



China Aerospace Science
and Technology Corporation

AgedCare

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Product description

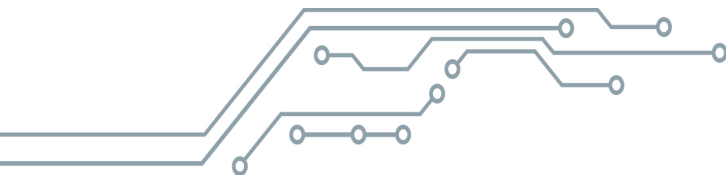


**AIRBAG BELT HIP GUARD THAT
PROTECTS THE HIPS OF SENIORS IN
THE EVENT OF A FALL**

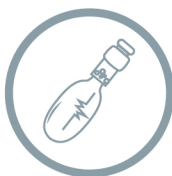
Produced by Hubei Sanwoliyuan Aerospace Technology Co., Ltd

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Please read and understand the product instructions before use, and please pay attention to the following symbols in the instructions.



» Welcome to use «

Dear use »

Thank you for choosing AgedCare Airbag Belt Hip Guard that Protects the Hips of Seniors in the Event of A Fall (hereinafter referred to as Airbag Belt Hip Guard)

Airbag Belt Hip Guard is mainly composed of

control module

inflation module

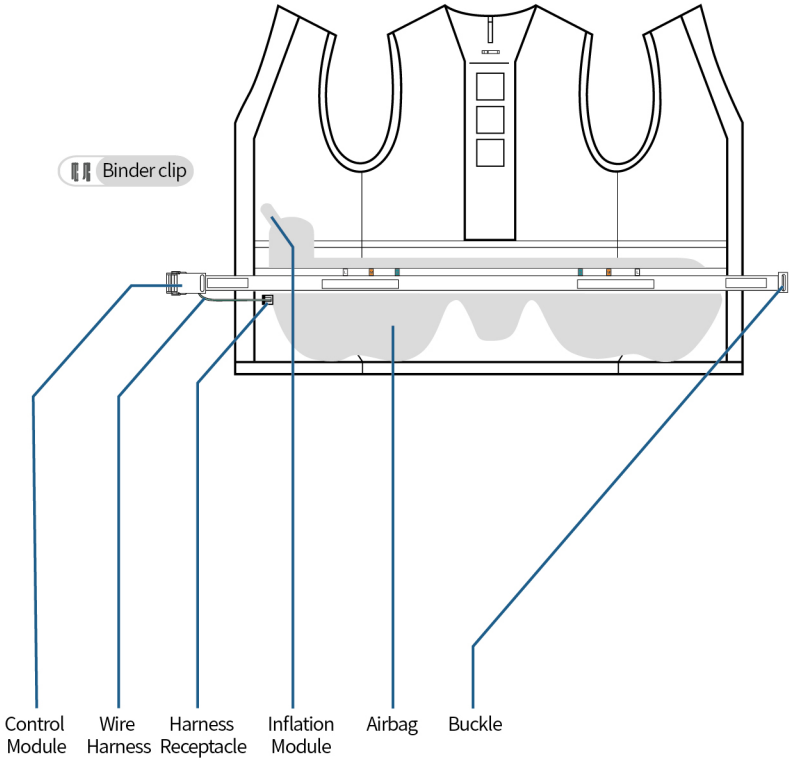
airbag, etc

The control module can follow and analyze the person's motion in real time. When a lateral fall is detected, inflation module will inflate into airbag. Hip Guard thus ensures an optimal protection during ground impact and reduces potential fractures of the femoral neck.

» Product Components

1. Product Show

2. Packing List



Serial number	Item	Quantity
1	Inflation Module	2
2	Airbag	1
3	Control Module	1
4	Waistcoat	1
5	Charger	1
6	Charging Cable	1
7	Conformity Certificate	1
8	Product Instructions	1
9	Safety Precautions	1

» Technical Note

Technical Principle

Airbag Belt Hip Guard can follow and analyze the person's motion in real time, give an alarm when a lateral fall is detected and inflate the airbag quickly to ensure an optimal protection during ground impact and reduces potential fractures of the femoral neck.

Rapid Falling Detection

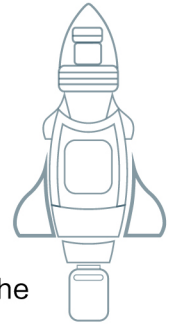
A variety of motion sensors and intelligent algorithms are built into the control module in the Airbag Belt Hip Guard, which can collect and analyze data 1,000 times per second to judge the possibility of a lateral fall. When a lateral fall is detected, the airbag will be inflated and opened instantly.

Rapid Inflation

Airbag Belt Hip Guard has two inflation modules. The airbag inflates around the hip on the side of the fall within 0.2 seconds after receiving the fall signal transmitted by the control module to ensure an optimal hip protection.

Airbag Protection

The airbag is light and wear-resistant and in the hem of clothes. The ground impact can be reduced after inflation to ensure an optimal protection. After airbag is inflated, it will slowly release gas after falling to reduce ground impact.



» Wearing Method

1

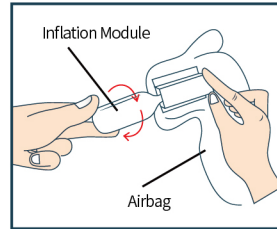
Screw the inflation module into the airbag clockwise.



ATTENTION

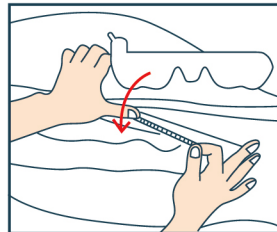
Ensure the inflation modules are installed correctly

(Look up page 14 for details.)



2

Place the connected inflation module and airbag smoothly from the zipper opening, press the buckle at the lower end of the clothes, fix the lower end of the airbag, and pull the zipper between airbag and clothes.



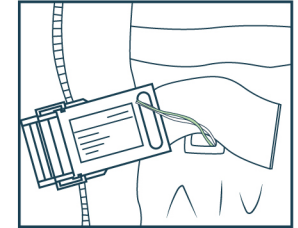
3

Tear off the right belt Velcro, bypass the control module and stick it, fix the belt with binder clip, and thread the harness through the clothing hole.



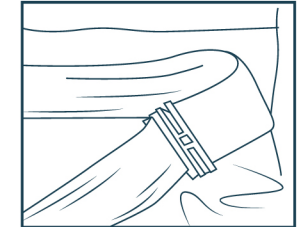
ATTENTION

Pay attention to the front and back sides during installation and ensure that the charging port is downward



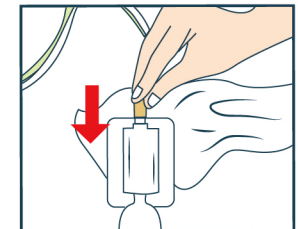
4

The fixing method of the left buckle is the same as above, and the control module can be inserted correctly when the concave surface is upward.



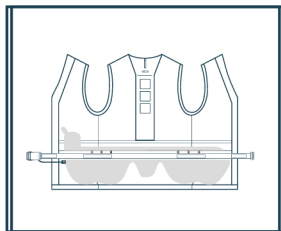
5

Insert plug into inflation module and fix inflation module.



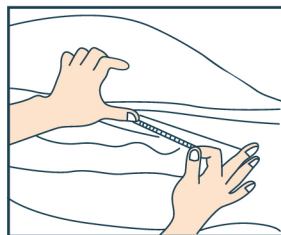
6

Tidy up clothes.



7

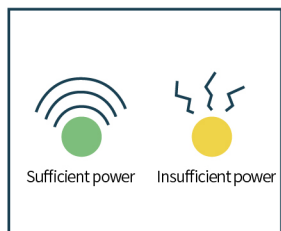
Zip up the hem.



8

Check the power

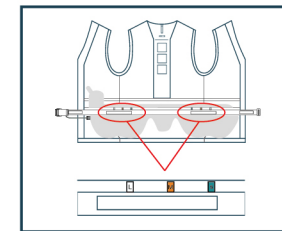
After inserting the buckle, the system starts up, the green indicator light is on and accompanied by a beep, indicating that the power is sufficient. If the yellow light flashes once every two seconds, indicating that the power is insufficient.



9

Adjust Velcro to fit waist

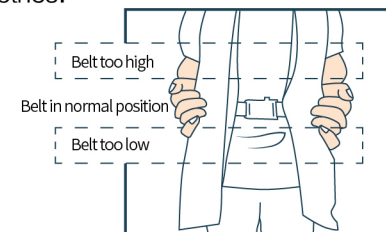
The belt is marked with size marks from L to S. Paste the Velcro on the left and right of the belt to the appropriate position, and the position of the Velcro on both sides must be the same.



10

Proper mode to start

When the buckle and the control module are inserted into each other, the system starts automatically. At the initial stage of inserting the buckle, the red and green indicators on the control module come on at the same time, accompanied by a beep; When the beep stops, the red indicator goes out and the green indicator remains on, indicating that the system has been in normal working. Now, zip up your clothes.



11

When you finish using this product, first unzip your clothes, then pull out the buckle, and the system will shut down automatically.

**Note**

When this product is not in use, do not insert the buckle and keep the system in the off state in case of accidental triggering.

Note: The following shall be confirmed before use

- Proper size of airbag and clothes and the tightness of waistband.
- Sufficient power in control module.
- A brief beep occurs when starting up.
- The airbag has been correctly assembled in the clothes.

Tip

The system will not be fully activated until 10 seconds after inserting the buckle (power on), so as to ensure that you have enough time to check the above status.

**Note**

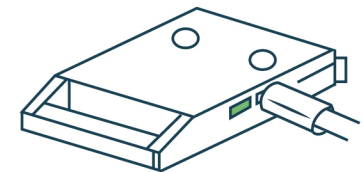
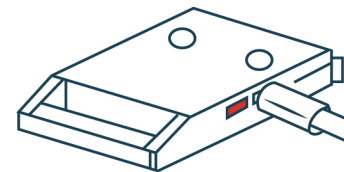
For the restrictions of local laws and regulations, please consult the local transportation department whether the products can be carried on the plane, train, subway, etc.

» Battery and Charging

The product can be used for 20 days in normal use (calculated by using it for 8h per day). Charge the product with the adapter charger in time when the system is reminded of low power. When charging, the charging indicator is red; After charging, the charging indicator is green.

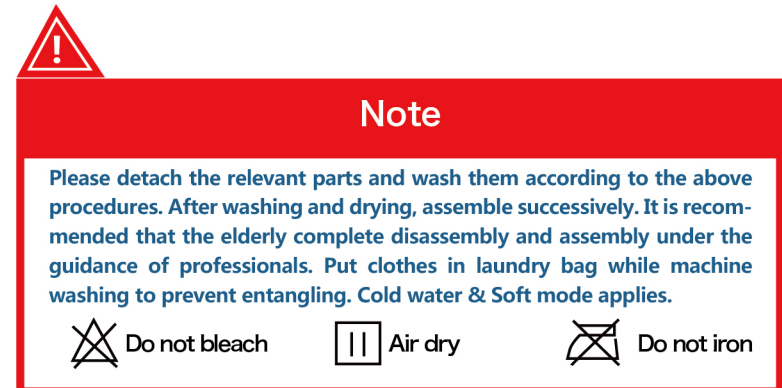
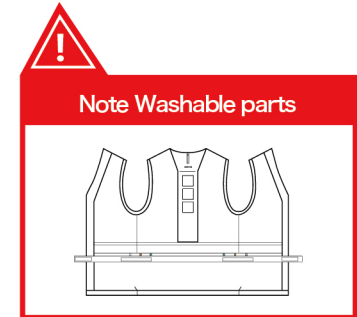
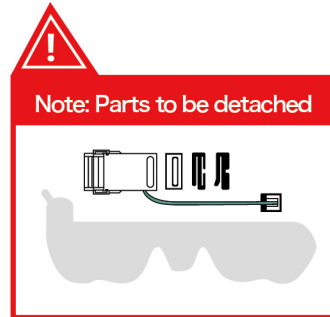
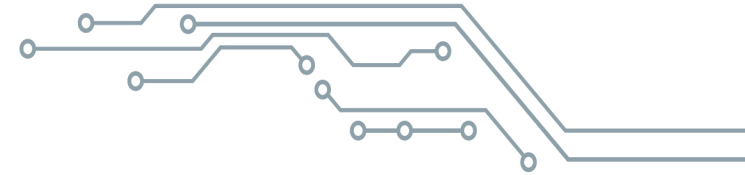
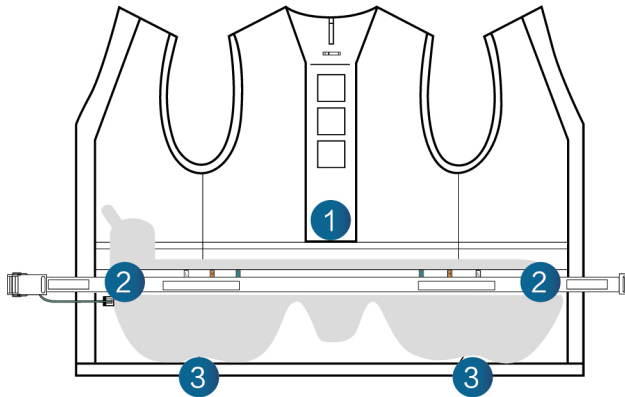
**Note**

When charging, do not insert the buckle and keep the system as off state, in case of accidental triggering.



» Disassembly and Washing

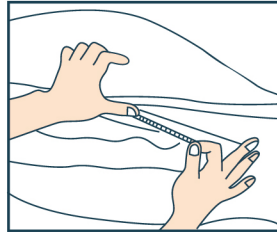
1. Unzip the zipper at the hem from the Position ① to the left and right
2. Unplug the plug connected to the inflation module
3. Tear the Velcro from Position ① and detach the control module, buckle and binder clip
4. Detach the cylinder protective cover
5. Unzip the zipper between clothes and airbag
6. Open the snap at Position ③
7. Detach the airbag and inflation module as a whole
8. The remaining clothes can be washed normally



» Replacement Method

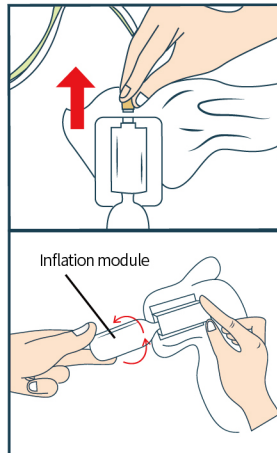
1

Unzip the zipper at the hem



2

Unplug the control module and screw out the inflation module anti-clockwise



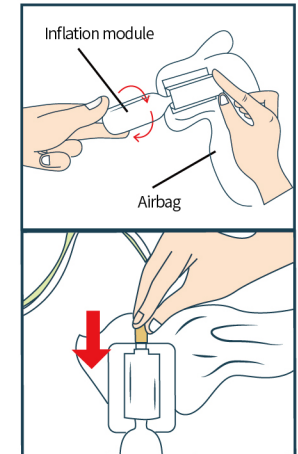
3

Lay the clothes flat and extrude the remaining gas from the airbag



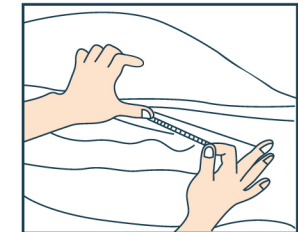
4

Screw on the new inflation module clockwise and plug in the plug from the control module.



5

Zip up the hem.



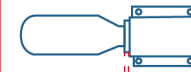
Note

When the airbag is triggered to open, it needs to be replaced with a new inflation module before it can be used again. Tips: you can follow this process or professional after-sales service to help you complete it.

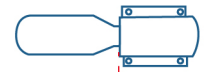


Note

When installing a new inflation module, it must be twisted clockwise to flush with the support



Not installed in place



Install in place

» Safety Precautions

1

This product does not cause harm to human body, but there is a noise when the airbag inflates. Pay attention to the hard parts of the inflation module and other products when using it.

2

This product cannot protect all injuries caused by a fall. It provides protection for the hips, but not for the body parts outside the coverage.

3

Some fall movements may not be detected, such as slow falls.

4

Improper operation or wearing, unauthorized alteration of parts or inappropriate use may cause the misoperation of the airbag or poor protection.



5

Do not disassemble or remove any parts at will. Replace the inflation module in strict accordance with the operating instructions.

6

Once the airbag is triggered to open, check the integrity of the airbag (professional after-sales service personnel are recommended to assist) and replace the inflation module before next use.

7

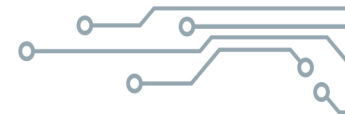
When charging, do not insert the buckle and keep the system as off state in case of accidental triggering!

8

When charging, do not insert the buckle and keep the system as off state in case of accidental triggering!

9

Do not wear it under tight clothes.



10

When this product is not in use, do not insert the buckle and keep the system in the off state in case of accidental triggering!

11

Do not clean with water. Follow the operating instructions accurately.

12

Not suitable for bathing.

13

Not suitable for intense activities.

14

Do not place it in high temperature (over 50°C) and humid environment.

15

Keep out of reach of children.

16

People with dementia or neurodegeneration are forbidden to use it.



Note: Please refer to Safety Tips for AgedCare Products for more details.

» Disclaimer

one

The airbag provides protection for the hip, but for the body parts outside, such as head, wrist and arm.

three

It ensures an optimal protection during a lateral fall, but for slow fall, or a fall during sitting or squatting, the product may not be able to provide protection.

two

Accidental falls, intentional falls, high-altitude falls or falls due to external impact during activities may affect the desired effect.

four

Any modification, incorrect use and inappropriate storage of this product may cause product failure and fail to achieve the expected effect. Our company is not responsible for the consequences caused by wrong installation and misuse of this product.

» Placement Conditions

Do not place in high temperature (above 50 °C) and humid environment.

Do not be exposed to sunlight and rain for a long time.

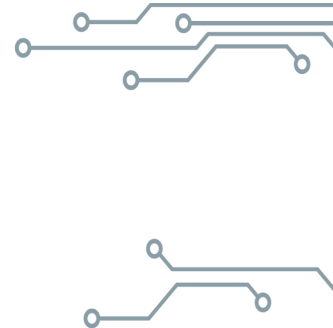
Do not cover with heavy objects when storing.

Keep out of reach of pets.

Keep out of reach of children.

Do not insert the buckle when storing (keep it off).

Do not place near sharp objects to prevent airbag damage.



» Troubleshooting

Serial Number	Faulty item	Reason	Troubleshooting methods
1	After power on, the system keeps beeping and the yellow indicator light flashes	The belt is too loose	Tighten the waistband and wear it again
2	After power on, the system keeps beeping and the red indicator light flashes	The control module connector is not connected to the inflation module or the interface is loose	Plug in the control module plug tightly into the inflation module
3	After power on, the system doesn't work	Insufficient system power	Restart after charging

» Maintenance and after-sales service

Item	Warranty and maintenance
Inflation module	Free replacement of quality problems during the 2-year warranty period
Control module	
Airbag	
Clothing and other accessories	

Note: Please contact us for additional requirements for each module.

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