1 Safety Precautions

Be sure to read this User's Guide carefully before using the Hit-Air (airbag system) for proper use and safety, please keep it in the place you can reach anytime.

The marks used in this User's Guide denote as follows.

WARNING This mark denotes that if the "WARNING" is ignored, it could result in death or a serious injury to the user of this product.

WARNING **1. The vest with the Hit-Air is to be used for the rider's safety when riding a horse and not for any other purpose.**

WARNING **2. The vest with the Hit-Air of the right size is to be worn as an outerwear on the upper half of the body.**

WARNING **3. Use the gas cartridge of the same size and contents as before when replacing and confirm that there are no holes or tears in its seal.**

WARNING **4. Do not take any parts of the Hit-Air apart.**

CAUTION 5. Remove sharp on pointed objects such as pins or pens from the vest with the Hit-Air or from the underwear before wearing.
They may damage the air cushion before or at the time of the activation and prevent the function of the Hit-Air.

CAUTION 6. Keep open flames and cigarettes away from the jacket with the Hit-Air as holes or tears caused by them will prevent its function.
Keep and use at temperatures below 40℃/104℉ as the gas cartridge may burst at a high temperature.

CAUTION 7. Disconnect the Hit-Air from the "coiled wire" at the "one-touch release (connector)"before dismounting the horse.
Otherwise, it may cause an accidental activation.

CAUTION 8. Inspect the Hit-Air to determine if there is any damaged prior to wearing.
If there is any damage, consult with an authorized dealer.

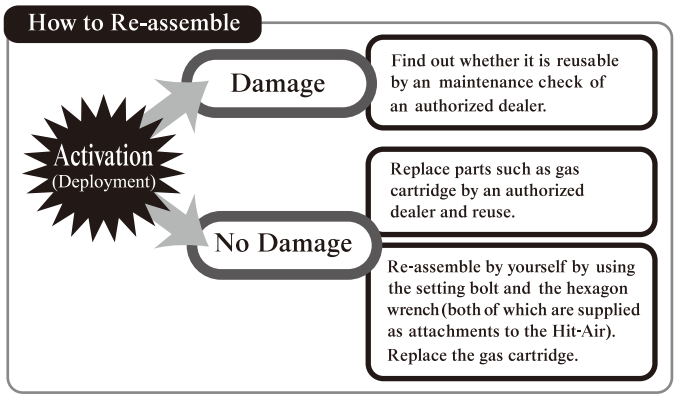
CAUTION 9. To make sure the Hit-Air will function properly, take it to an authorized dealer for a maintenance check, once a year depending on frequency of use.

7 Re-assembling Hit-Air after Activation

7-1 How to Re-assemble

We recommend to take the Hit-Air to an authorized dealer for a maintenance check and re-assembling after activation.
It can be reused if it is re-assembled in accordance with the following procedure, but unless it is done properly, it may not work.
It cannot be re-assembled if it is damaged by the previous activation.

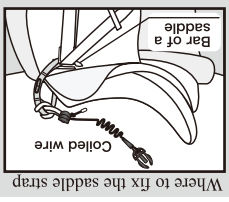
How to Re-assemble



Outline of re-assembling by yourself

Get an unused CO^2 cartridge and tools for re-assembling ready.	See 〈P27〉Chapter 1
▼	
Set a key ball in the key box by using tools	See 〈P27 to 28〉Chapter 2 to 7
▼	
Unscrew the used cartridge.	See 〈P28〉Chapter 8
▼	
Remove all CO^2 gas from the air cushion.	See 〈P29〉Chapter 9
▼	
Install an unused cartridge.	See 〈P29〉Chapter 11
▼	
Zip and close the key box cover	See 〈P29〉Chapter 12

Where to fix the saddle strap

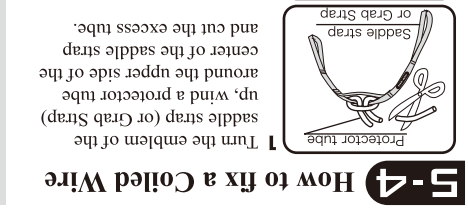


How to adjust the length of a coiled wire.

CAUTION

Don't fix a coiled wire directly to metal fittings for the grab strap which may be broken ormay come off and the system may not activate.

5-4 How to fix a Coiled Wire



1 Turn the emblem of the saddle strap (or Grab Strap) up, wind a protector tube around the upper side of the center of the saddle strap and cut the excess tube.

2 Pass a coiled wire through the protector tube.

3 Temporarily fix the coiled wire outside the protector tube in the loop setter and adjust its length.

4 Stand up on the stirrups to make the coiled wire fully stretched to determine the optimum length of the coiled wire.

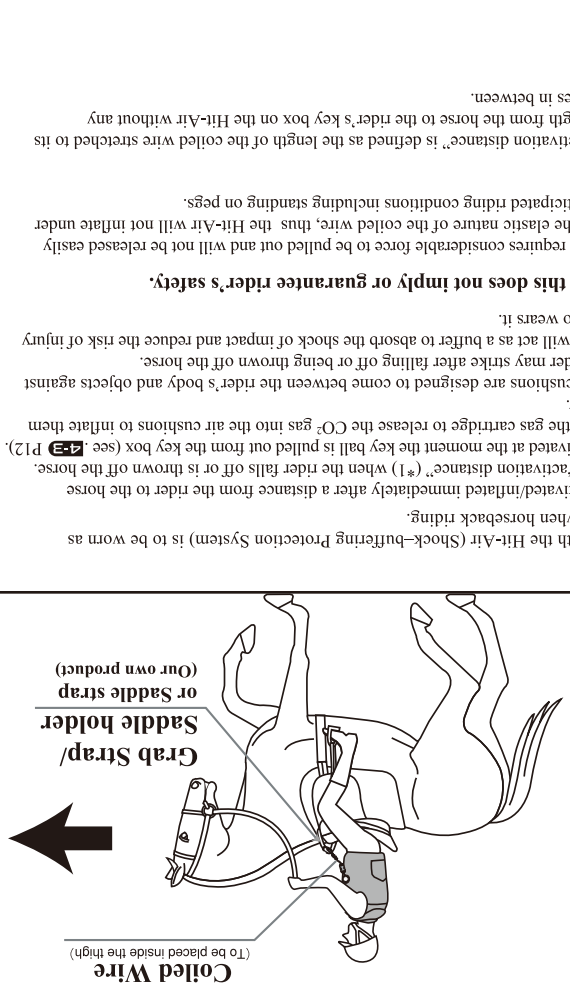
5 Fix the coiled wire firmly in the loop setter, tie a knot in its end and cut off the excess, leaving morethan 2cm (0.8 inch) of extra length and put a cap on the cut end.

Be sure to tie a knot

6 END

2 General Information

Coiled Wire
(To be placed inside the thigh)



Grab Strap/ Saddle holder or Saddle strap (Our own product)

The vest with the Hit-Air (Shock–buffering Protection System) is to be worn as outerwear when horseback riding.

It will be activated/inflated immediately after a distance from the rider to the horse exceeds the"activation distance" (*1) when the rider falls off or is thrown off the horse. It will be activated at the moment the key ball is pulled out from the key box (see 4-3 P12). This causes the gas cartridge to release the CO^2 gas into the air cushions to inflate them immediately.
Inflated air cushions are designed to come between the rider's body and objects against which the rider may strike after falling off or being thrown off the horse.
The Hit-Air will act as a buffer to absorb the shock of impact and reduce the risk of injury the rider who wears it.

However, this does not imply or guarantee rider's safety.

The key ball requires considerable force to be pulled out and will not be released easily because of the elastic nature of the coiled wire, thus the Hit-Air will not inflate under normally anticipated riding conditions including standing on pegs.

(*1) The "activation distance" is defined as the length of the coiled wire stretched to its full length from the horse to the rider's key box on the Hit-Air without any obstacles in between.