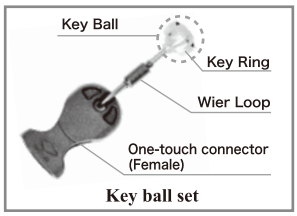
4-4 Key Ball

The key ball holds a compression spring and an interlocking needle in the key box. When the system is activated, the key ball comes out of the key box and a needle in the key box is released and punctures the seal of the gas cartridge to inflate the Hit Air immediately.
The key ball and the key ring are integrated parts.



Key ball set

4-5 CO^2 Gas Cartridge

○ The gas cartridge contains CO^2 gas.

○ When the "key ball" is released from the "key box", a needle punctures the seal of the gas cartridge to let the gas go into each air cushion.

○ Screw the CO^2 cartridge fully into the bottom until it cannot go any further. Otherwise, a needle in the "key box" may not puncture the seal of the CO^2 cartridge and Hit-Air may not be activated properly.

○ Do not reuse the gas cartridge once used. Change it to a new one. The seal at the bottom of an used cartridge is pierced with a hole.

Observe the followings to avoid an explosion

WARNING ⚠ 1. Keep and use at the temperature below 40ºC/104°F. Do not keep in the car where the temperature may go up high.

WARNING ⚠ 2. Do not give the cartridge a strong shock.

WARNING ⚠ 3. Do not heat the cartridge.

WARNING ⚠ 4. Do not let corrosion form on the surface of the cartridge. If corrosion is noticed, replace it immediately.

WARNING ⚠ 5. Confirm that the used gas cartridge is empty of gas before disposing.

WARNING ⚠ 6. Do not cut or puncture the gas cartridge.

WARNING ⚠ 7. The size (capacity) of the gas cartridge varies from model to model. Install the designated size (capacity) for the model.
Visit http://www.hit-air.com/en/horse/ "List of replacement gas cartridge size" to find out the right size for your Hit-Air.

CAUTION ⚠ 8. Use the gas cartridge for the Hit-Air only, and not for any other purpose.

CAUTION ⚠ 9. Use a Hit-Air CO^2 gas cartridge only. Do not use any other one.

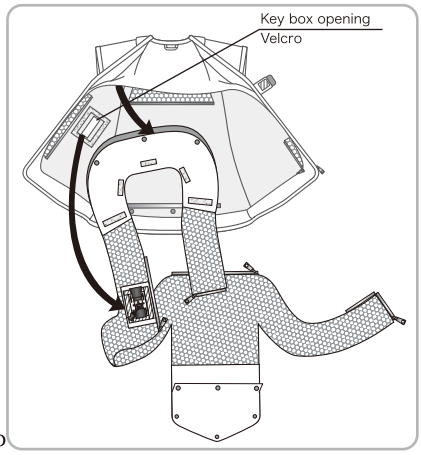
CAUTION ⚠ 10. Keep the gas cartridges out of the reach of children.

CAUTION ⚠ 11. Once the gas cartridge is installed, don't attempt to turn, loosen or remove it.

CAUTION ⚠ 12. Screw the CO^2 cartridge fully until it seats firmly in the key box but do not over tighten.

1. How to dismantle the Hit-Air inner system

9. Unfasten Velcro around the key box opening to separate from the vest. Take the Hit-Air system and shoulder, elbow and back protectors out and wash or launder the vest only in accordance with the washing instructions.

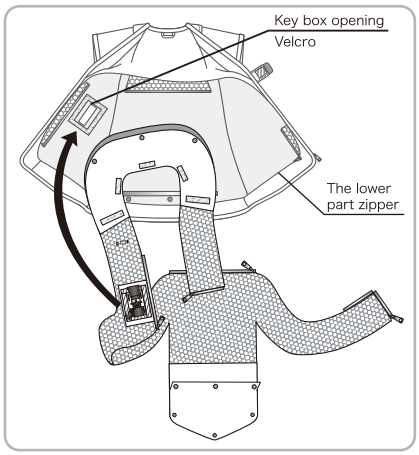


END

2. How to assemble the Hit-Air inner system (the reverse of dismantling)

1. Spread out the vest on a flat surface, with the inside up, and open the zipper across the lower part of the inside of the vest.

2. Place the key box of the Hit-Air in the opening of the right-hand side of the vest and fasten it with Velcro on all sides.

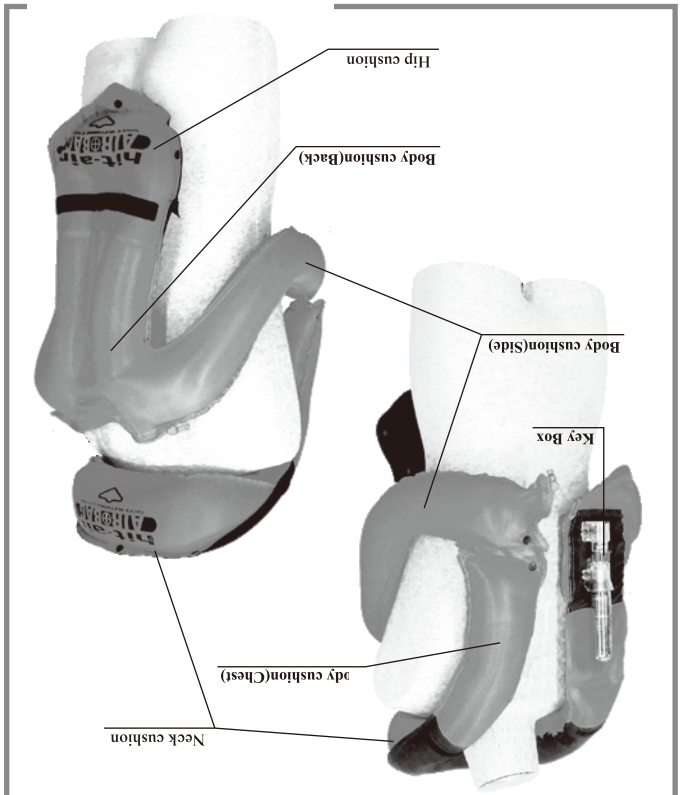


P.T.O.

4-6 Hit-Air Structure

Inflated Hit-Air inner system

When activation, neck cushion inflates and stands up instantly.
Body cushion inflates inside jacket/vest.
*Outerwear (jacket and Vest) has no function to inflate.

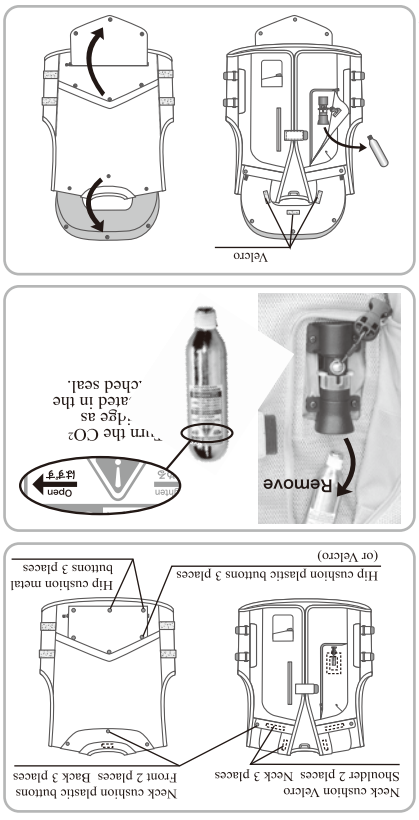


*Shape of model may vary.

4-7 Dismantling and Assembling of Hit-Air inner system

Take the responsibility for correct dismantling and assembling.
In case of washing or mending of the vest, the Hit-Air has to be dismantled and assembled carefully and correctly, otherwise it may not work as originally intended or may be damaged.

1. How to dismantle the Hit-Air inner system



Air cushions exposed to the outside of the vest/jacket are fastened with buttons and velcro.

1. Spread out the vest on a flat surface.

2. Unscrew the CO^2 cartridge to remove.

CAUTION ⚠
Never attempt to turn, loosen or remove the CO^2 cartridge except for reassembling.

3. Unfasten plastic buttons and Velcro of the neck and hip cushions.

P.T.O.