

Frequently Asked Questions

If a rider forgets to disconnect the coiled wire and dismantle a motorcycle (or horse), will the airbag be activated?

A tensile force of about 30kg is needed to release the key ball to activate the airbag. Normally, the dismounting rider feels a strong tug to know that he/she has to disconnect the coiled wire before the airbag is activated. In fact, a small motorcycle or a scooter may topple over if the rider forgets to disconnect the coiled wire before dismounting. Always disconnect the coiled wire before dismounting.

Once an airbag is activated and inflates, can it be reused?

Yes, it can be reused if it has not been damaged. Replace the gas cartridge using the setting bolt and the hexagon wrench supplied with the Hit-Air. If there is damage to the airbag, ask an authorized dealer for a maintenance check.

Can I wash my jacket as it is?

A jacket with an airbag and a gas cartridge fitted to it can be hosed but cannot be washed in water. Or remove the airbag system, linings and protectors and wash the outer jacket or vest only in accordance with the washing instructions. Do not dry-clean at a high temperature.

Can I wear a light backpack or something similar over a Hit-Air?

Yes, but be careful that the strap does not obstruct the free inflation of the airbag. If possible, refrain from wearing something over the Hit-Air to avoid possible interference when the airbag inflates.

If an inflated airbag is damaged by friction with the road surface in an accident, will it still be effective?

The airbag inflates in full in 0.5 seconds to do its job, well before it is torn or damaged. Even before the airbag inflates in full, it is quite effective in shock buffering. After the air-bag inflates, the CO2 gas slowly escapes.

How has Mugen Denko developed the Hit Air?

- 1995** Began research and development work of an airbag system for motorcyclists.
- 1998** After a process of trial and error, Mugen Denko completed and announced the world's first airbag jacket for motorcyclists.
- 1999** Launched its first airbag jacket in Europe where the safety standard is quite high. Supplied world famous SPIDI of Italy, IXS of Switzerland and LOUIS of Germany with its airbag system and gained a reputation of high reliability. Awarded Gold and Silver Medals at the World Exhibition of Inventions in Belgium. Received a Gold Medal in the Safety Protection Life Saving Division and a Silver Medal overall.
- 2000** Awarded Gold Trophy at the Salon du Cheval in Paris.

- 2001** Launched the Hit-Air jacket.
- 2003** Supplied the Police Headquarters in Japan with the airbag vests for the motorcycle police. Obtained the CE Marketing approval by the EU for the airbag vest of MC Model. Launched the airbag vest for horse riding.
- 2004** Supplied the Spanish Police with the airbag vests.
- 2005** Awarded the highest prize at the JPMS Motorcycle Show in France. Launched the buckle type one-touch connector of increased strength and reliability, jointly developed by YKK and Mugen Denko.
- 2006** Signed OEM deals with top-brand apparel manufacturers for the supply of airbag jackets and vests. Supplied the Imperial Guard Headquarters with airbag vests for horse riding. Launched smaller and lighter key box (Y-type), jointly developed by YKK and Mugen Denko.
- 2007** Authorized by the Ministry of Economy, Trade and Industry to make a plan to develop the new business field on the basis of multi-sectoral collaboration.