

Helmet

The helmet protects the pilot's head during violent manoeuvres, on ejecting or in case of a bird-strike. Also houses headphones.

Mask

The mask provides oxygen to the pilot and contains a microphone to allow speech on the radio.

Life preserver

The pilot would inflate this if he/she parachutes into water - just like you would have on an airliner.

Pocket

This is used for a pen/pencil.

Arm restraints

The arm restraints connect to the ejector seat and pull the elbows in to stop arms flailing on ejection.

G-Trousers (speed jeans)

As the aeroplane manoeuvres, the pilot's body is subject to high G-loads (up to 9G). Under G's the blood drains away from the head, towards the feet, and the pilot could become unconscious (from about 4G upwards). These trousers inflate under G to squeeze the lower body and force the blood to stay in the upper half of the body.



Knobbly bits on the helmet

The knobbly bits on the helmet are sensors - they monitor the position of the pilot's head, so that the system knows what information to display inside the visor - it varies depending on head position.

Visors

The clear visor protects the pilot's eyes in the event of ejecting or a bird-strike. The tinted visor is because it's always sunny above the clouds. Also, with the helmet display - flight data is projected onto the inside of the visor.

Survival equipment pouches

These contain things like flares, a compass, a space blanket... and boiled sweets!

Cape leather gloves

The cape leather gloves protect the pilot's hands from flames in the event of a cockpit fire.

Connection to the aircraft

This is a single connection to "feed" the pilot with air, oxygen and radio connection.

Knee boards

The knee boards give the pilot somewhere easy to write down notes - such as air traffic instructions etc.