

PS-28 Cruiser / SportCruiser

MAINTENANCE MANUAL



PS-28 Cruiser / SportCruiser aircraft is designed and manufactured by



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7.1 General

This is a two-seat cockpit with the side-by-side seat arrangement. The seats are fixed; the rudder control pedals are adjustable. The seats are equipped with safety harnesses. The baggage compartment is located behind the seats and is equipped with straps.

The equipment of PS-28 Cruiser / SportCruiser airplane includes:

- seats
- safety harnesses
- Ballistic Recovery System
- Emergency Locator Transmitter.

7.2 Description and operation

7.2.1 Seats

Seats (1, Fig. 7-1) of the PS-28 Cruiser / SportCruiser airplane are fixed and are equipped with upholstered cushions attached on Velcro. The seat backs (2) are attached to the bulkhead No. 4 per piano hinge.

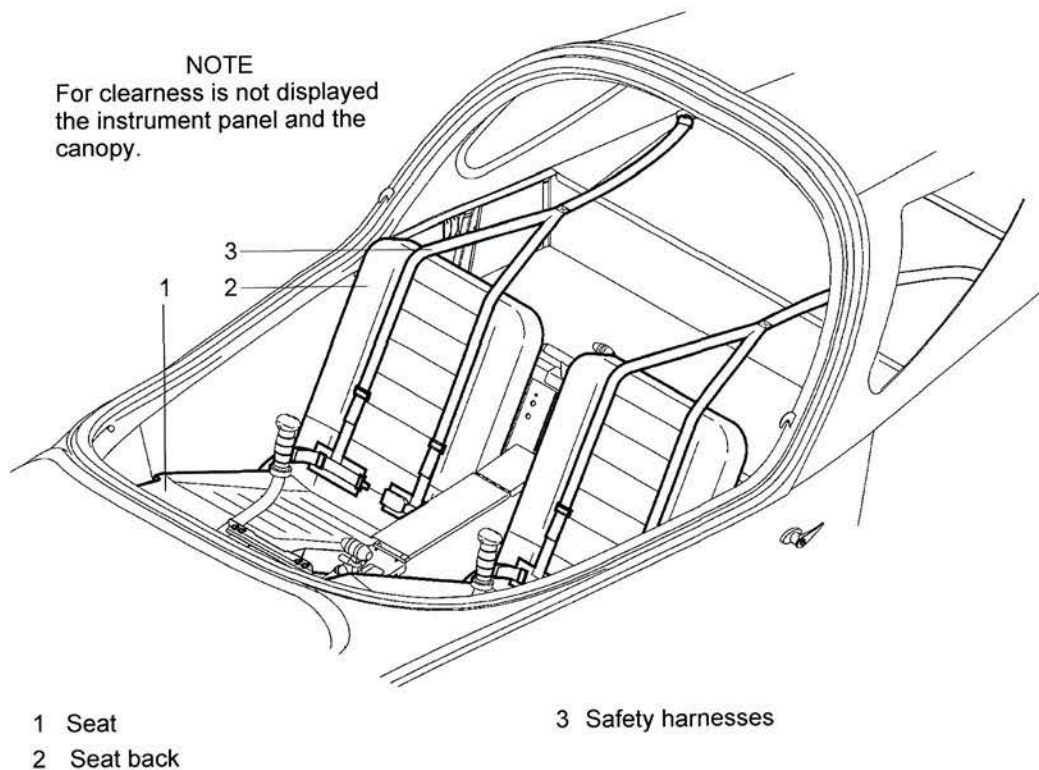


Fig. 7-1: PS-28 Cruiser cockpit

7.2.2 Safety harnesses

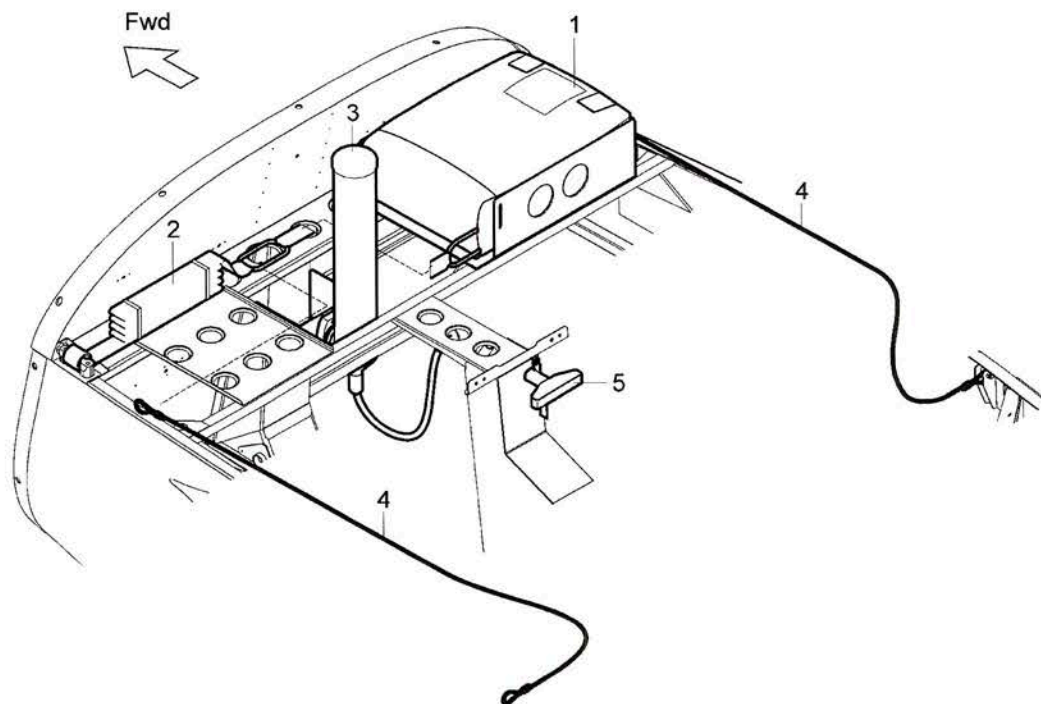
Seats are equipped with safety harnesses (3, Fig. 7-1). Safety harnesses consist of two lap belts, two shoulder belts and a safety harness lock. Length of the lap belts and the shoulder belts is adjustable.

**CHAPTER 7 – EQUIPMENT****7.2.3 Ballistic Recovery System**

The aircraft can be equipped (optional) with BRS emergency parachute system. BRS utilize a manually activated, solid propellant rocket motor to extract a round, non-steerable parachute and recover the aircraft in life-threatening emergency situations.

The parachute with harnesses and the rocket are installed aft of the firewall. Activating handle is located on the middle channel.

NOTE: For detailed information refer to Owner's Manual for BRS-6 Emergency Parachute Recovery Systems (Doc. No. 020000-03) and Parachute Installation Manual for the BRS-1350 onto the Czech Sport Aircraft SportCruiser (Doc. No. 020016-PM), latest revision.



- 1 Parachute
- 2 Harnesses
- 3 Rocket

- 4 Rear attachment cable
- 5 Handle

Fig. 7-2: BRS scheme

7.2.4 Emergency Locator Transmitter

The aircraft is equipped with the AK-451 ELT Emergency Locator Transmitter.

The AK-451 ELT is micro controller based, batteries operated and self contained equipment. The ELT is designed only for emergency use. The AK-451 consists of an ELT main unit with a mounting tray, an aircraft-fixed antenna, remote switch unit, an audible buzzer monitor, and interconnecting cables (see Fig. 7-6).