

Appendix D

Additional wheel brake lever on the front stick (TN 4)

All information in the Flight Manual related to the wheel brake lever on the front stick is summarized in this appendix. The cross references to the text passages in the existing Flight Manual are mentioned in the text frames.

1 General

To facilitate the ground handling - if, for example, a hand-operated rudder control is installed and the pilot is operating the rudder with his left hand - a wheel brake lever can be installed on the front stick. Nevertheless, the wheel brake is still mainly operated through the airbrake control.

2 Operating Limitations and Data

There are no changes in this section

3 Emergency Procedures

There are no changes in this section

4 Normal Operating Procedures

Supplement to section 4.3 „Daily Inspection“, point 8)
on page 4.5

When operating the wheel brake lever, a significant brake pressure must be appreciable.

This handbrake is, for example, intended to hold the position of the aircraft while tightening the tow rope or for braking, if a hand-operated rudder control is installed and the pilot is operating the rudder with his left hand.

CAUTION

As before, the wheel brake is only reliably operated, by full extension of the airbrakes.

5 Performance

There are no changes in this section

6 Mass (Weight) and Balance, C.G. Position

There are no changes in this section

7 Description of the Sailplane, its Systems and Equipment

Supplement to section 7.2 „Cockpit Controls“
on page 7.3

Airbrakes

Additional the hydraulic disc brake can be operated by a wheel brake lever on the front stick.

Supplement to section 7.7 „Airbrakes“
on page 7.9

Additional the hydraulic disc brake can be operated by a wheel brake lever on the front stick.

The brake lever is connected in series between the main brake cylinder and the wheel brake cylinder. It has a bypass, so that the function of the main brake cylinder, actuated by the air brake lever, is unaffected.

8 Aircraft Handling, Care and Maintenance

See Appendix B in the Maintenance Manual

Appendix B

Additional wheel brake lever on the front stick (TN 4)

All information in the Maintenance Manual related to the wheel brake lever on the front stick is summarized in this appendix. The cross references to the text passages in the existing Maintenance Manual are mentioned in the text frames.

1 Description and Specifications

There are no changes in this section

2 Description of Control Systems and Equipment

Supplement to section 2.2.5 „Airbrake Control System“
on page 2.4

Additional the hydraulic disc brake can be operated by a wheel brake lever on the front stick.

Supplement to section 2.3.1 „Wheels and Tires“
on page 2.14

Wheel brake lever
on the front stick:

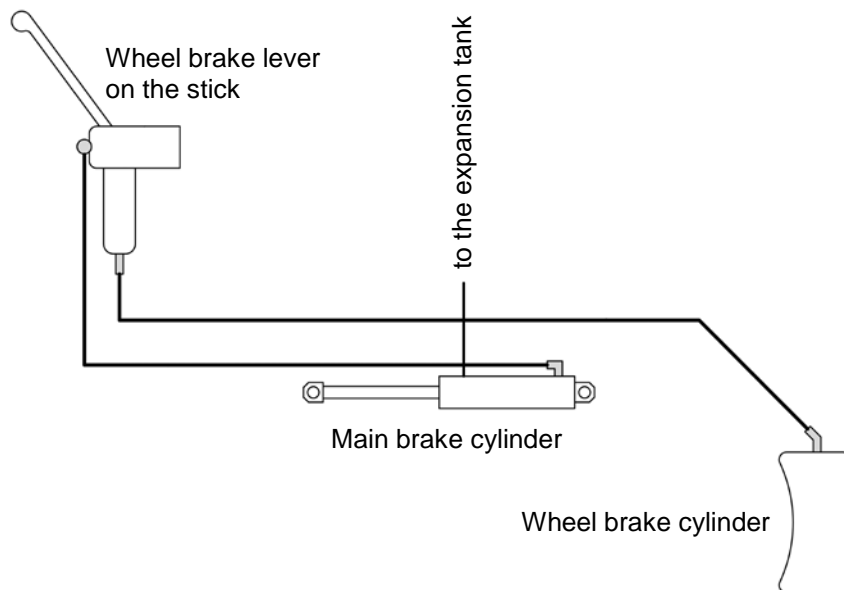
Hydraulic wheel brake lever with a bypass, adopted to the hydraulic ratio of the wheel brake cylinder (e.g. main brake cylinder HBGD from the TOST company)

Supplement to section 2.3.2 „Wheel Brake System“
on page 2.15

The brake lever is connected in series between the main brake cylinder and the wheel brake cylinder. It has a bypass, so that the function of the main brake cylinder, actuated by the air brake lever, is unaffected.

Supplement to Fig 2.3-1 „Wheel Brake System“
on page 2.17

Fig. 2.3-2 Wheel brake lever on the front stick



3 Rigging Angles and Deflection of Control Surfaces

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12 Appendix

There are no changes in this section