

AEROPRAKT INFORMATION BULLETIN

MODERNIZATION OF THE PARKING BRAKE VALVE INSTALLATION ON A-22LS AND A-22L2 AIRCRAFT. IB A-22LS-06

RECOMMENDED

Repeating symbols:

Please, pay attention to the following symbols throughout this document marking important information.

- ▲ **WARNING:** Identifies an instruction, which if not followed may cause serious injury or even death.
- **CAUTION:** Denotes an instruction, which if not followed, may cause severe damage.
- ◆ **NOTE:** Information useful for better handling.

1) Planning information

1.1) Aircraft affected

All versions of Aeroprakt-22LS airplanes series No. 1-177 and Aeroprakt-22L2 series No. 1-434.

1.1) Reason

It was found out that due to vibration of the running engine, the parking brake valve may spontaneously move from “OPEN” to “CLOSE” position. To prevent this happening it is recommended to modify the parking valve installation by installing modification kit parts.

1.2) Subject

Parking valve installation

1.3) Compliance

It is recommended to install additional retaining the parking valve lever in “OPEN” position in the above mentioned airplanes.

1.4) Approval

The technical content of this Information Bulletin has been approved by Aeroprakt.

1.6) Manpower

Estimated man-hours:

Work according to p. 3.1.1 is performed within 1 hour.

1.7) Mass data

Weight change: +0.004 kg

1.8) Revision of other documents

None

2) Spare parts information

2.1) Spare parts cost

The mod kit parts are supplied to local dealers free at the cost of delivery.

2.2) Special tooling / materials

Set of wrenches 3/8 inch (10 mm), cruciform screwdriver, nippers, knife, round needle file, calipers

3) Accomplishment / Instructions

3.1) Instructions

1. Undo the bolts/screws attaching the handles of the control levers of the elevator trim tab, throttle, wheel brake and remove the handles.
2. Undo the screws attaching the central console cover and remove the cover.
3. Undo the screw attaching the parking brake valve (see fig. 1).
4. Cut with knife 2 plastic straps fixing the parking brake valve and 1 plastic strap fixing the braking system tube.
5. Move the parking brake valve to the left-hand side to ensure access to the grooves on the parking brake valve attachment bracket for the plastic straps.
6. Enlarge the depth of the grooves in the bracket to reduce the distance between opposite grooves to 6.5 mm (see fig. 2).
7. Undo the screw attaching the parking brake shutter lever.
8. Install the cam on the parking brake shutter lever (see fig. 3) and fix the lever with a longer screw from the mod kit. Place the washers removed from the old screw under the new screw head.
9. Install back the parking brake valve with the plate from mod kit as shown in fig. 3. Secure the valve and braking system tube with straps. The strap ends must be on the bottom side!
10. Fix the parking brake valve with its attachment screw (see fig. 1).
11. Install back the central console cover and fix it with the screws.
12. Install back handles of the control levers of the elevator trim tab, throttle, wheel brake and fix them with the bolts/screws.



Fig. 1

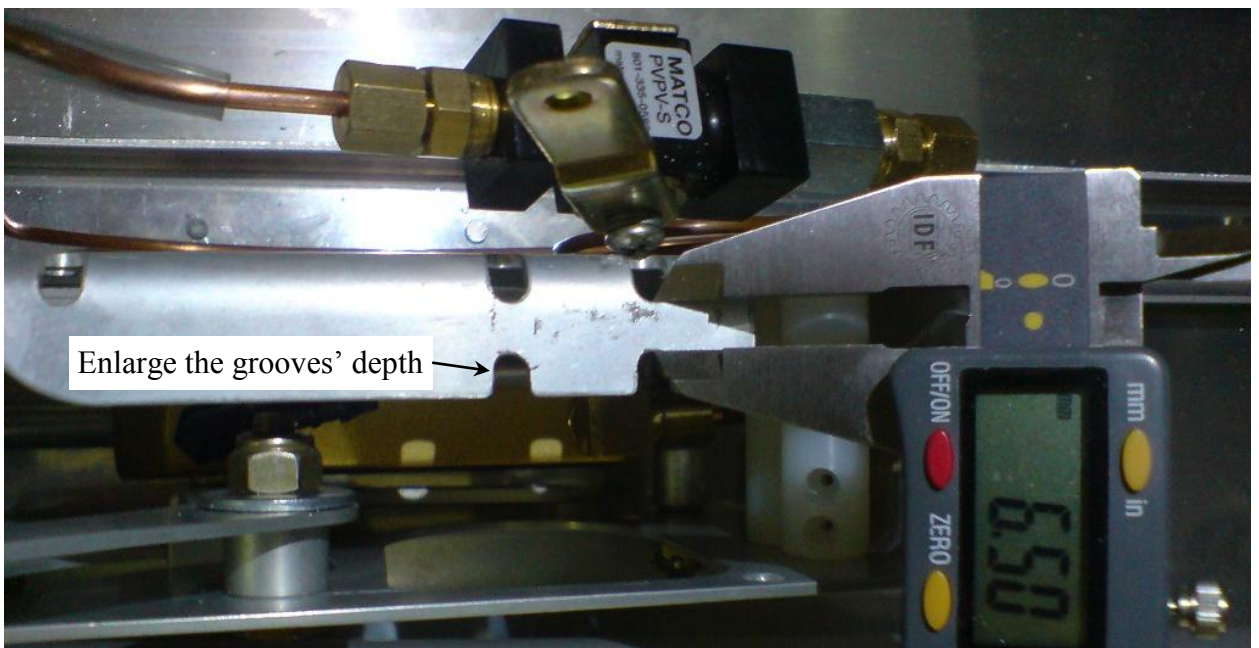


Fig. 2

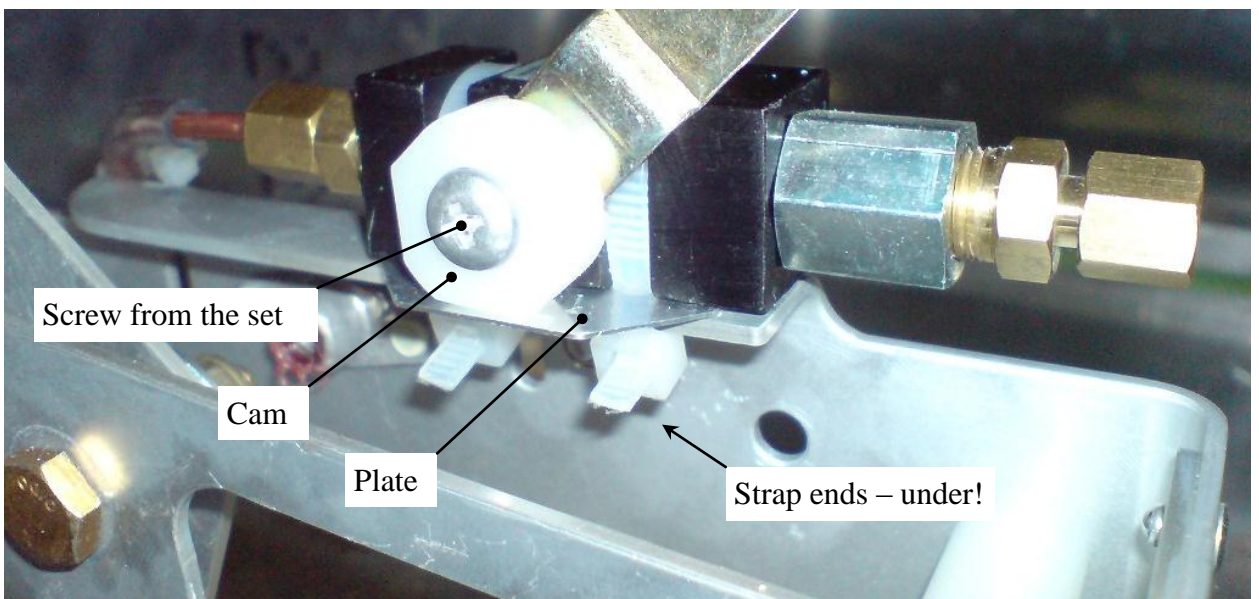


Fig. 3