

12.6 Maintenance Instructions

The following Maintenance Instructions are established from time to time as required, in accordance with experience accumulated in operating the ASW 27-18. The Maintenance Manual is to be supplemented in case of new issues of Maintenance Instructions.

- **“ALL FRP GLIDER MODELS”** dated June 19, 1986, (general Maintenance Instruction) describes the removing of play between the sockets (= bushings) and bolts (= pins) of the wing-to-fuselage connection.
- **"PAINT CRACKS"** dated June 26, 1989, (general Maintenance Instruction) describes how to inspect, preserve, and repair the paint surface.
- **ASW 24 - Maintenance Instruction C** dated April 26, 1990, which is also applicable to the ASW 27-18, describes how to repair the landing gear box.
- **ASW 27 - Maintenance Instruction D** (dated March 12, 2002) describes how to adjust the air brakes.
- **Repair Instruction** dated Dec. 17, 2001, is dealing with damages in the cockpit area after belly landing with retracted landing gear.
- **Maintenance Instruction A** dated Sept. 2007, describes how to apply or replace the elastic plastic sealing strips at the control surface gaps.
- **Maintenance Instruction B** Issue 2, dated 20.11.2015, describes how to apply or replace the turbulators (zig-zag tapes) on wings, winglets, horizontal and vertical tail.
- **Maintenance Instruction C** dated Sept. 2007, describes how to adjust the water ballast actuation system.
- **Maintenance Instruction D** dated Sept. 2007, describes how to repair the fuselage tailcone with scarf joints.
- **Maintenance Instruction E** dated 01.09.09, describes how to replace the gas spring or spindle in the engine bay.
- **Maintenance Instruction F** dated 03.09.15, describes how to perform an engine test run on the ground
- **Maintenance Instruction G** dated 03.09.15, describes how to dis- and re-assemble the starter and how to adjust its reference position