

SLINGSBY SAILPLANES

KIRKBYMOORSIDE

YORK YO6 6EZ

TECHNICAL INSTRUCTION NO.68

SLINGSBY T53B and LATER VARIANT YS.53 MOD.36

STRENGTHENING OF WING CENTRE SECTION

APPLICABILITY

This Instruction is applicable to all T53B Gliders and to later variant, YS.53, by Yorkshire Sailplanes.

COMPLIANCE

This modification is mandatory on all gliders listed above. The restrictions imposed in Slingsby Sailplanes' Technical Instruction No.66 remain in force until this modification has been embodied, when the aircraft resumes its original flying limits.

This modification must be carried out by An Appointed Repair Organisation.

PROCEDURE

- 1) With the aircraft derigged, remove the part of the centre section from the glider by removing the two bolts attaching the centre section to the aft fuselage frame and by removing the sixteen bolts attaching the tubular structure to the front plate of the centre section.
- 2) Following Drawing No. T53B-03-33 modify the tubular structure taking care to ensure that the thick corner plates, item 5, are fitted well into the corner of the steel gusset plates, items 1-4. A jointing compound (duralac or Celoseal) must be used in the assembly of the plates.
- 3) Refit the tubular structure to the aircraft using the sixteen new bolts on the front plate attachment, which should be peened over after assembly.
- 4) Check the aircraft for freedom of rigging.

PARTS REQUIRED

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| 1. | Drawing No. T53B-03-33 | 1 off |
| 2. | Kit of Parts - T53B-03-33 | 1 off |
| 3. | Jointing Compound | As required. |

A Kit of Parts may be obtained from Slingsby Sailplanes, Kirkbymoorside, YORK, YO6 6EZ, England.

14.8.74.
RS/PMC