

SLINGSBY SAILPLANES, KIRKBYMOORSIDEYORK, YO6 6EZTECHNICAL INSTRUCTION No. 65SLINGSBY T 59 KESTREL - MODIFICATION No. 18REPLACEMENT OF ELEVATOR ACTUATOR BRACKETAPPLICABILITY

This instruction is applicable to all marks of Slingsby T.59 Kestrel Gliders.

COMPLIANCE

The modification has been made mandatory by the Civil Aviation Authority and must be completed before the end of June, 1974. Until that time, the Daily Inspection called for in Technical Instruction No. 63 must be continued.

MODIFICATION

Modification No. 18 essentially replaces the welded steel elevator actuator bracket, Part No. 59A-30-11 with a machined aluminium bracket.

PROCEDURE

1. Remove the tailplane from the aircraft and the rudder from the fin.
2. Remove the six bolts in the elevator actuator bracket and remove bracket from the tailplane.
3. Check the diameter of the bolts removed at 2. These will be $\frac{1}{4}$ " dia. for aircraft with English fittings and 6 mm dia. for aircraft with German fittings. Check also that the spigot diameter matches with the new fitting supplied. That is 10 mm dia. for aircraft with German fittings and $\frac{3}{8}$ " for aircraft with English fittings. A list of aircraft is given at the end of this Instruction.
- * 4. Lie the fuselage on its side (to prevent nuts dropping to the base of the fin) and remove the rear tailplane attachment bracket from the fin by removing the four attachment bolts.
5. The new actuator bracket must now be assembled together using the bracket removed at 4. above. Loosely assemble the two halves of the bracket, parts A, B, C, and fit on to the bracket removed at 4.
6. Holding the two halves firmly, drill the rivet hole, letter D (.246") and ream to .25" + .002"
- .000"
7. Remove the fittings and deburr the holes drilled at 6.

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PARTS REQUIRED FOR AIRCRAFT WITH ENGLISH FITTINGS.

1. Elevator actuator bracket (Replacement kit, Part no. 59A-03-8A/B/C)
2. Bolt 2A 173 8E 2 off
3. Bolt 2A 173 2E 4 off
4. Drawing No. 59A-03-7
5. Celoseal 10 gms.
6. Epoxy Resin: Epikote 162 - 50 gms.
Epikure 113 - 19 gms.

PARTS REQUIRED FOR AIRCRAFT WITH GERMAN FITTINGS.

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|----|---------------------------------------------------------------------|-----------------|
| 1. | Elevator Actuator bracket (Replacement kit, part no. 59A-03-9A/B/C) | |
| 2. | Bolt, special | 59A-30-47 2 off |
| 3. | Bolt, special | 59A-30-48 4 off |
| 4. | Drawing No. 59A-03-10 | |
| 5. | Celoseal | 10 gms. |
| 6. | Epoxy resin: Epikote 162 | 50 gms. |
| | Epikure 113 | 19 gms. |

These parts may be obtained from Slingsby Sailplanes,
Kirkbymoorside, York. YO6 6EZ. England.

AIRCRAFT FITTED WITH GERMAN ELEVATOR FITTINGS

T 59B. Glasflugel Works No.	19
T 59A. Slingsby Works No.	1722
	1724
	1727
	1728
	1729
T 59C. Slingsby Works No.	1739
T 59D. and F	
Slingsby Works No.	1745
	1746
	1748
	1749
	1761
	1762
	1763
	1764
	1765
	1786
	1790
	1791
	1792
	1795
	1797
	1798
	1801
	1802

German
fittings