

Slingsby Sailplanes Ltd., Kirbymoorside, York, England.

Technical Instruction No. 12 - Introduction of Mod 96

Introduction of Modified Shoulder Harness Attachment

Skylark 2B, 3B, F and G. aircraft fitted with the following modifications

Mod No. 26 Introduction of Canvas Seat Back.

Mod No. 55 Introduction of Canvas Seat Back (by retrospective conversion. )

This modification is introduced to improve the attachment of the shoulder harness so as to provide extra support for the pilot against vertical movement.

The modification has been made mandatory by The British Gliding Association and Certificates of Airworthiness will not be renewed on the following aircraft after 1st March 1963 unless the modification is incorporated.

The following aircraft are affected:-

SKYLARK 3.

<u>Mark No.</u>	<u>Works No.</u>	<u>B.G.A. No.</u>
3F	1337	1049
3G	1328	1013
3F	1322	- A.R.B.
3F	1318	1011
3F	1311	1004
3F	1306	988
3F	1305	987
3F	1304	985
3G	1321	1015
3G	1323	1016
3F	1303	983
3F	1301	981
3F	1300	980
3G	1299	977
3F	1298	976
3F	1296	957
3F	1295	954
3F	1276	950
3F	1249	932
3F	1245	929
3F	1244	927
3F	1242	931
3F	1239	925
3F	1238	- A.R.B.
3F	1237	- A.R.B.
3F	1236	- A.R.B.
3F	1232	922
3F	1229	920
3B	1227	916
3B	1225	914
3B	1224	913
3B	1223	912
3B	1215	885
3B	1209	881
3B	1204	817

SKYLARK 2

1273	947
1252	944
1248	946
1234	923
1233	919
1228	918
1220	933
1218	- A.R.B.
1199	889
1197	872

## Modification Procedure.

1. Remove the existing shoulder harness, and return to Slingsby Sailplanes Ltd., for modification.
2. Remove existing canvas seat back from the seat and the shoulder support tube.
3. Remove the shoulder bar position adjustment plates from the side of the fuselage. The screws attaching these are counter-sunk into the plates and the heads are accessible. It will be necessary to scrape off the external finish of the aircraft to gain access to the nuts.
4. Drill out the existing 2 B.A. holes to suit a 1/4" B.S.F. bolts (use a letter 'F' drill) and bolt in position the new combined harness and shoulder bar attachment bracket ref: 43-1-163 using 12E bolts and AGS 2002/E/1 nuts.
5. Check the distance between the harness bar attachment holes, this should be 474 mm the harness bar should be easily positioned between the two brackets using the 'Pip' pins attached to the canvas seat back. The distance between the pin centres should be adjusted by the addition or removal of packings to give the correct dimensions.
6. Attach the new seat back ref: 43-1-165 to the seat using the attachment plate and screws removed from the obsolete seat back.
7. Slide the harness bar ref: 43-1-164 into the slot at the top of the canvas seat back and position the modified shoulder harness as shown in the sketch. This completes the embodiment of the modification.
8. Details of the modification and the date on which it was incorporated must be noted in the Aircraft Log Book.

Complete Kits of the Parts required for the Embodiment of this Modification are obtainable from Slingsby Sailplanes Ltd., Kirbymoorside, York, England and comprise.

Washer SP 13/e	6 off
Bolt 12E	6 off
Nut AGS 2002/E/1	6 off
Harness Bar Adjustment Bracket	
43-1-163.	2 off
Harness Bar 43-1-164	1 off
Canvas Seat Back 43-1-165	1 off
Harness 43-1-166	1 off

The price of the modification kit is £7. 5. 0.

N.B. The shoulder harness removed from the aircraft should be returned to Slingsby Sailplanes to replace Harness ref; 43-1-166 supplied with the modification kit.

## Circulation

B.G.A. - 75 copies for circulation to clubs and approved inspectors. All owners of affected aircraft.

# INSTALLATION OF SKYLARK MOD. 96.

HARNES  
PART No 43-1-166

CANVAS SEAT BACK  
(PART No 43-1-165)

HARNES BAR  
(PART No 43-1-164)

HARNES BAR/SEAT BACK  
ADJUSTMENT BRACKET  
(PART No 43-1-163)

BOLT 12E  
NUT AGS 2002/E/1  
WASHER 5P13/E

REMOVE CSK BOLTS  
AND PLATE  
OPEN UP EXISTING  
2 BA HOLES TO SUIT  
4 CSF BOLTS  
(DRILL LETTER 'F')

EXISTING  
SCHEME

