

Kind : Technological Improvement,  
better towing hook maintenance

Subject : TN 13 a covers new rudder pedals ( without heel buckets ), simpler front towing hook fittings for simpler installation of this towing hook, and a new aileron control bellcrank in the cockpit area. A modification of the bucket seat mold and the milled plywood bulkheads in the cockpit area appeared to be necessary.

TN 13 b covers the modification of the C of G towing hook fittings which enable easier maintenance of this towing hook.

TN 13 c covers the modification of the lower hinge of the rudder. This is from sheet metal now, - previously : steel tubing - and shows adjustable stops - previously : fixed stops.

Effectivity : ASW 15 - B from Serial Number 15 184 inclusive

Accomplishment : None

Reason : The design of the rudder pedals approved in the ASW 17 as well as the fittings of the front towing hooks has been found to be superior in maintenance and technology.  
The same effect is expected by the other modifications.

Instructions : According to the drawings concerning to TN 13 a :

- 151.11.8 36
- 151.47.0025
- 151.47.0028
- 151.47.0029/30/31
- 151.47.0026
- 151.47.0027
- 151.11.0061
- 151.11.0066
- 151.11.0067
- 151.11.0068
- 151.11.0069
- 151.11.0201
- 151.11.0202
- 151.11.0203
- 151.11.0204
- 151.11.0205
- 151.11.0206
- 151.41.0029
- 151.41.0030
- 151.41.0031
- 151.41.0032
- 151.11.0071

151.47.8 34

151.11.8 32

151.11.8 33

For TN 13 b : 151.11.0062  
151.11.0063  
151.11.0064  
151.11.0065

For TN 13 c : 151.37.0004

the modified parts must be manufactured and installed.

Material : See drawings under " Instructions "

Weight and balance :

Regarding TN 13 a, a weight and balance procedure is required.

With regard to TN 13 b and 13 c the differences in weight and balance are neglectable.

Remarks :

If the main bulkhead must be replaced during major repairs of the forward fuselage, the modification according TN 13 a can be done on all ASW 15 - B ( from Serial Number 15 184 ) and - together with TN 8 - also on earlier ASW 15 ( Serial Number 15 001 to 15 183 )

In case of major repairs of the rear fuselage, TN 13 b can be done on all ASW 15.

TN 13 a, 13 b, and 13 c are in serial production since Serial Number 15 381 inclusive.

For this TN the pages 3418 and following, and the pages 3253 and following of the structural substantiation have been established.

Drawings :

The drawings listed under " Instructions " are new. They replace the following drawings :

150.47.0001  
150.47.0002  
150.47.0003  
150.47.0006  
150.47.0007/8

151.11.0026  
151.11.0028  
151.11.0029  
151.11.0031

151.11.0151  
151.11.0152  
151.11.0153  
151.11.0154  
151.11.0155  
151.11.0156

Sheet : 3

Number of Sheets : 3

A S W 15  
Technical Note  
No. 13 a, 13 b, and 13 c

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150.41.0001  
150.41.0005  
150.41.0006  
150.41.0008  
~~150.41.0009~~  
151.11.0025  
151.37.0002

Poppenhausen, 28th June, 1974

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