

Kind : Reduction of production requirement.

Subject : Front and rear wing attachment tube crossing fuselage, P/N 190.11.0001 and 190.11.0002 .

Effectivity : All ASW 19s as of serial number 19 255.

Accomplishment : None; only for new production-line ASW 19s.

Reason : For the proper transmission of the tangential forces from the wing into the fuselage it is not necessary that the big washers inside the wingroot rib (fuselage) are welded to the tube (crossing the fuselage). As the machining of this welded area is always difficult, the welding shall be dropped for the further production-line.

Instructions : According to the drawings 190.11.0046 and 190.11.0047 the front and rear cross tubes are built and then they are installed according to drawing 190.11.S.14 .

Material : No change; see drawings.

Weight and Balance : Negligible.

Notes : For repairs of ASW 19s serial numbers 19 001 thru 19 254 tubes according to this TN 8 may be used.

Drawings : For this TN the following drawings were new made :

190.11.S.14
190.11.0046
190.11.0047
190.11.0048 .

They replace the drawings 190.11.0001 and 190.11.0002 .

Poppenhausen, September 11, 1978

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The German original of this TN is approved by LBA under the date of November 24, 1978, and is signed by FRIEB.

In any case of doubt the German text is authoritative.