

PZL M18
WYTWÓRNA SPRZĘTU KOMUNIKACYJNEGO "PZL-MIELEC"
AIRPLANE DESCRIPTION and SERVICE MANUAL

- interpretation of the indications.

Complicated geometry of the fittings makes it difficult to interpret the instrument indications. Due to its shape, presence of weld and difficult probe access the inspection of the fuselage-to-centerwing fittings is particularly difficult.

If suitable probe is lacking it is recommended to inspect these fitting using other method, e.g. fluorescent penetrant or magnetic particle inspection.

Acceptance conditions - as specified under item 1(e).

4.27a. Inspection of the main centerwing -to-outboard wing attach fittings

Complete a detailed inspection of the main centerwing-to-outboard wing attachment fittings for:

- Corrosion in the expansion mandrel holes and at external surfaces of the joints;
- Cracked lugs, with particular attention paid to surfaces of the expansion mandrel holes in the wing lower joints;
- Wear-out at the hole and expansion mandrel surfaces.

Inspect the fittings for cracks by a magnetic rack detection method with the expansion mandrels removed.

Service Bulletin E/02.170/2000 provides information on the inspection and procedures to follow if any of the above conditions are found.

4.27b. Anti-corrosion protection of the main centerwing-to-outboard wing attach fittings (corrosion protection of the expansion mandrel holes)

Ensure anti-corrosion protection by application of DINITROL AV-30; proceed as follows:

- Remove locking cotter pin from one of the joints (either upper or lower (one), undo the nut, remove the washer, threaded bold and the conical bushing (ref. the figure 6.4-1, Section 6);
- Raise and support the wing to ease up the load in the centerwing-to-outboard wing attach joints;
- Pull out the expansion bushing so that it extends mid-length;

NOTE

The expansion bushing must not be hammered out unless the conical bushing has been previously removed.

- Apply DINITROL AV-30 over the extending length of the expansion bushing and the exposed surfaces of the hole in the fittings;
- Position the expansion bushing with the notch facing up (if installed notch-down);
- Insert the bushing into the hole, install the previously disassembled parts of the mandrel, tighten the nut with a torque of 260 ± 45 in. lbs ($3 \pm 0,5$ kGm), secure it with the locking pin;
- Secure the second joint by following the steps above.