



It is recognised that other methods of avoiding play are already approved by the PFA. Such methods necessarily change the load path such that it no longer travels through the interference fit shear pins.

Action - Loctite

Materials required:

Degreasing liquid
Loctite 603

Method

Loctite 603 is to be introduced between the torque tube and TP9 drive horn assembly, and between the torque tube and TP12 drive plates.

Gaining access via the access hole, thoroughly degrease the torque tube at both edges of TP9, and the inner edge of the two TP12's. Note that the plastic sleeve TP10 extends slightly beyond the inner edge of TP12. It may be necessary to use pressurised air to blow degreaser out from between the parts.

Apply Loctite 603 to both edges of the central control horn tube of TP9; it will run round the torque tube and between the torque tube and TP9 by capillary action. It is not necessary for the whole mating surfaces to be covered with Loctite.

Carry out the same technique with the **inner** edge only of the drive plates TP12. Note again that the TP10 nylon bushes extend beyond the inner edge of TP12, so ensure that the Loctite reaches the edge of TP12.

Take especial care not to contaminate with Loctite those areas where movement is required, such as the torque tube bearings.

Do not attempt to apply Loctite other than by capillary action: it sets very quickly indeed, and it is necessary to ensure that the shear pins are correctly fitted before applying any Loctite.

The application of Loctite is intended to be a permanent one-off operation, and it should not be necessary to remove components subsequently. If such removal does become necessary for any reason significant heat is needed to soften the Loctite, and details of a suitable method can be obtained from Europa Aircraft.