



TITLE	Throttle torque tube and levers.
CLASSIFICATION	Cyclone Airports have classified this service bulletin as COMPULSORY for training aircraft, and RECOMMENDED for all others.
COMPLIANCE	Within the next 50 hours.
APPLICABILITY	All AX3's

INTRODUCTION

AX3 throttle levers have been found to bend under the “pilots in opposition” load case. Maximum opposition load on the current design long levers could potentially lead to problems at the link tube joints. The following modification has therefore been introduced to meet the requirements.

The modification applies to all AX3's, although the instructions for fitting differ depending on whether your aircraft is currently fitted with the original design of right-angled steel throttle levers, or the later design of curved aluminium levers.

ACTION

AX3's Fitted With Original Right-Angled Steel Throttle Levers

If your AX3 is fitted with the original right angled steel throttle levers you will need to fit a modified throttle cable set, as well as a new throttle lever fitting system and throttle stops. Purchase KIT-AX3-010 from the factory and fit according to the instructions accompanying the parts.

AX3's Fitted With Curved Aluminium Throttle Levers

If your AX3 is fitted with curved aluminium throttle levers, the AX3 throttle torque tube must be replaced with the new design of throttle torque tube (one each of part numbers 101254 and FNM6-G8 required only), which incorporates the throttle levers. The throttle torque tube fits between the throttle system brackets in exactly the same way as the tubes that you are replacing. Refer to figure 1 for reference on reassembly. Adjust friction with the locknuts on the left hand side.

Finally screw the rod end joint on the end of the throttle cable into a plain M6 nut and the threaded nutsert on the left hand throttle lever, as shown in figure 2. Lock in position with the M6 nut.

When complete this modification must be inspected by a Cyclone/Pegasus or BMAA Inspector and signed off under Service Bulletin AX2021 in the technical log.

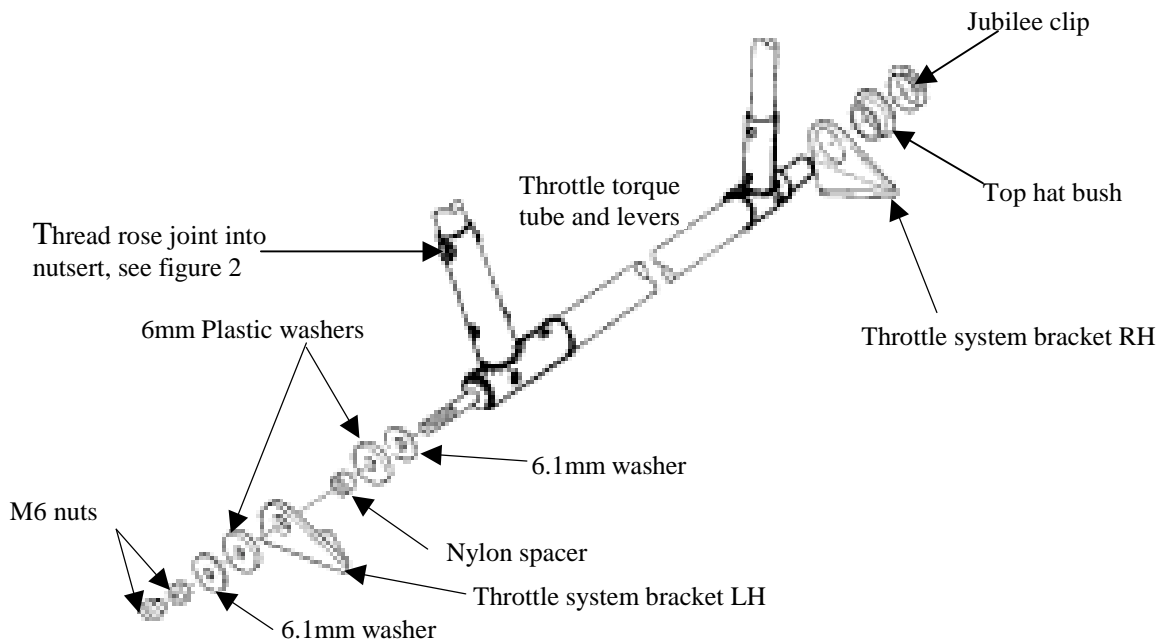


Figure 1: Throttle torque tube assembly into aircraft.

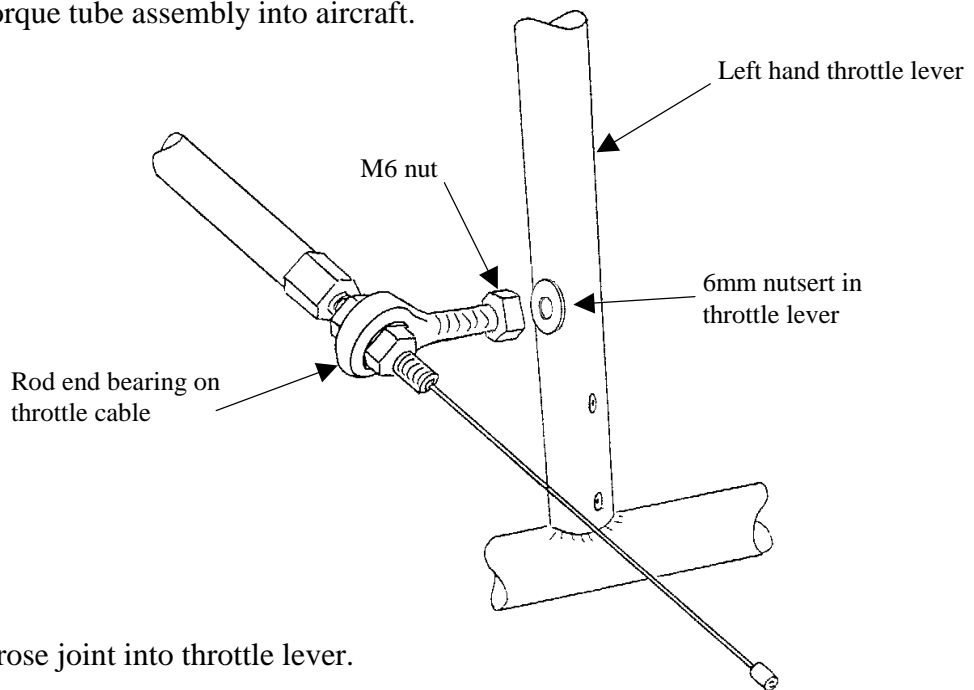


Figure 2: Fitting of rose joint into throttle lever.

ISSUED BY Louise Beale

DATE 18.11.99

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