

SERVICE BULLETIN

SB No. 40

Issue No. 2

TITLE
SPECIAL INSPECTION OF THROTTLE CABLE - T67C AIRCRAFT
CLASSIFICATION

This Service Bulletin has been classified as mandatory by the U.K. C.A.A.

COMPLIANCE

At each 150 hour inspection until Mod. M480 or Mod M496 is incorporated.

APPLICABILITY:

All T67C aircraft pre Mod 480

INTRODUCTION:


There have been 2 cases of breakage of the throttle cable on T67C aircraft. In both cases the cable has broken at the cockpit end at a point where the inner cable emerges from the outer cable, see Figure 1.

Slingsby Aviation are developing a Modification (Mod M496) which will be applicable to all T67 g.r.p. aircraft which will incorporate an improved fixing of the throttle cable at the cockpit end. Details of Mod M496 will be sent to all Service Bulletin addressees as soon as it is available. Incorporation of Mod M496 will discharge the requirements of this Service Bulletin; meanwhile the inspections below are to be carried out as detailed.

ACTION - FIRST INSPECTION:

1. Set the throttle lever to the idle position, and measure the clearance at the idle stop screw.
2. Slacken cable clamp bolt and disconnect the throttle cable at the carburettor.
3. Withdraw the cable about 2 cm. - this ensures that all the affected part of the inner cable will be visible.
4. Visually examine the inner cable for evidence of kinking or cracking - if either is found the cable must be replaced.
5. Check that the length of the outer cable which extends aft beyond the "P" clip, is between 0 and 2 cm. If necessary, adjust the cable position to lie within this tolerance by slackening the "P" clip, repositioning the cable, and retightening the "P" clip. It may be necessary to also adjust the outer cable clamp position at the carburettor end of the cable. When retightening the "P" clip, ensure that it is angled to equalize sideways bending of the inner cable during operation.

ISSUED BY:



Date

 9th Nov 1992

for and on behalf of

SLINGSBY AVIATION LIMITED

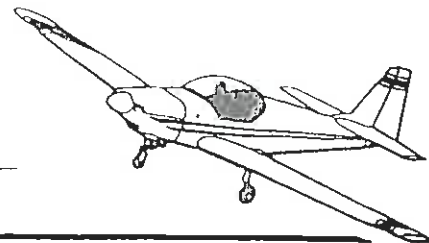
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6. Set the carburettor to the idle position, and the left hand throttle lever to the position measured in 1. above; retighten the cable clamp bolt.
7. Adjust the full throttle clearance, measured at the throttle lever stop screw, to no more than 1 mm., ensuring that the throttle inner cable between the outer cable termination and the cable clamp bolt is not bowed.
8. Adjust the idle clearance, measured at the throttle lever stop screw to no more than 1 mm.
9. Check that there is no undue play in the throttle cross shaft assembly (play in this assembly would allow the centre throttle action to cause bowing of the inner cable despite correct setting of the throttle stops on the left hand throttle lever).

N.B. If any difficulty is found in limiting the throttle lever clearance to 1 mm. check that the throttle stop screws have an effective length of 25 mm. If any are found which have an effective length of 20 mm. contact the Customer Service Department.

ACTION - REPEAT INSPECTIONS:

Carry out items 1,2,3,4, and 6 as detailed above. Check that the clearance as measured at the throttle lever stop screws is no more than 1 mm. at idle and at full throttle.

N.B. This Service Bulletin is raised to Issue 2 to introduce Mod M496.

Approved:



Date:

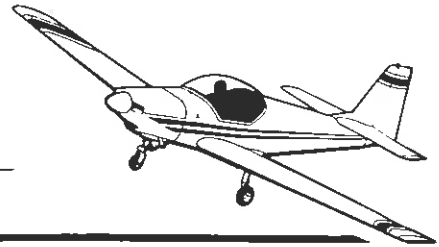
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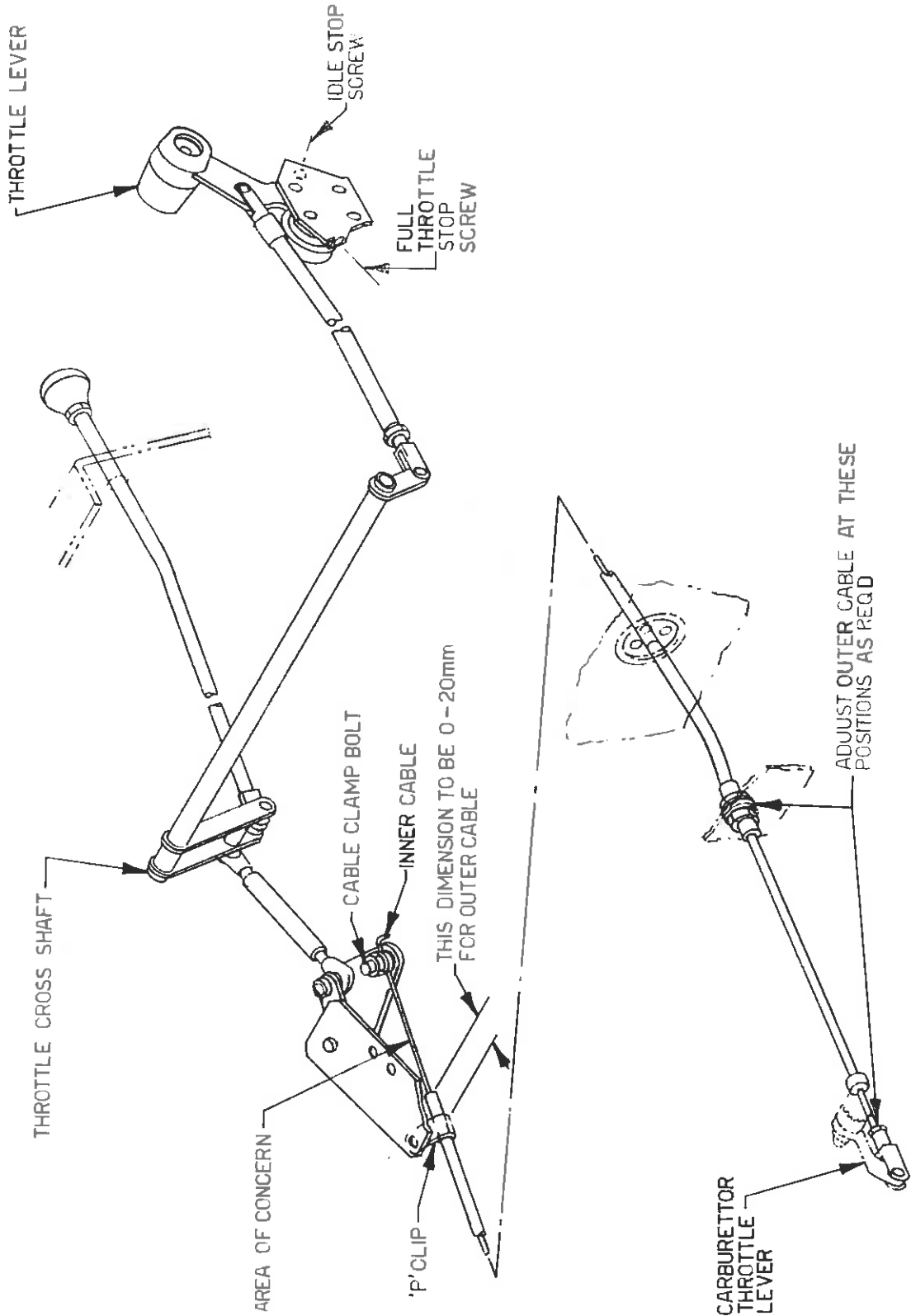


FIGURE 1
(POST MOD M326 DRN)

Approved:

B. Mollen

Date:

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