

SERVICE BULLETIN

SB No. 41 Issue No. 2

TITLE
SPECIAL INSPECTION OF THROTTLE CABLE - T67B AIRCRAFT
CLASSIFICATION

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

COMPLIANCE

At each 150 hour inspection

This Issue 2 supersedes Issue 1 of this S.B. with respect to T67B. For T67M, M-MkII and M200 refer S.B.55 Issue 4.

APPLICABILITY:

All T67B aircraft.

INTRODUCTION:

There have recently been cases of breakages of the throttle cable on 160 HP and 200 HP T67 aircraft. In these cases the cable has broken at the cockpit end at a point where the inner cable emerges from the outer cable, see Figure 1.

ACTION

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/fuel injector.
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 engine end of the cable. When retightening the "P" clip, ensure that it is angled to equalize sideways bending of the inner cable during operation.

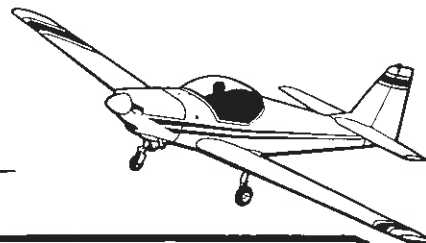
ISSUED BY:



Date 30-1-95

 for and on behalf of **SLINGSBY AVIATION LIMITED**
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6. Set the carburettor/fuel injector 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.
- N.B.** Worn linkages in the throttle cross shaft assembly should be replaced (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.

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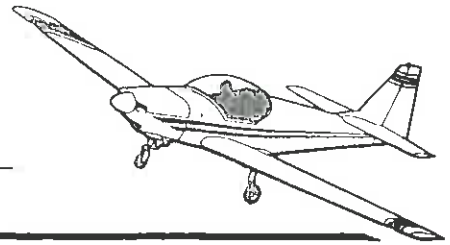
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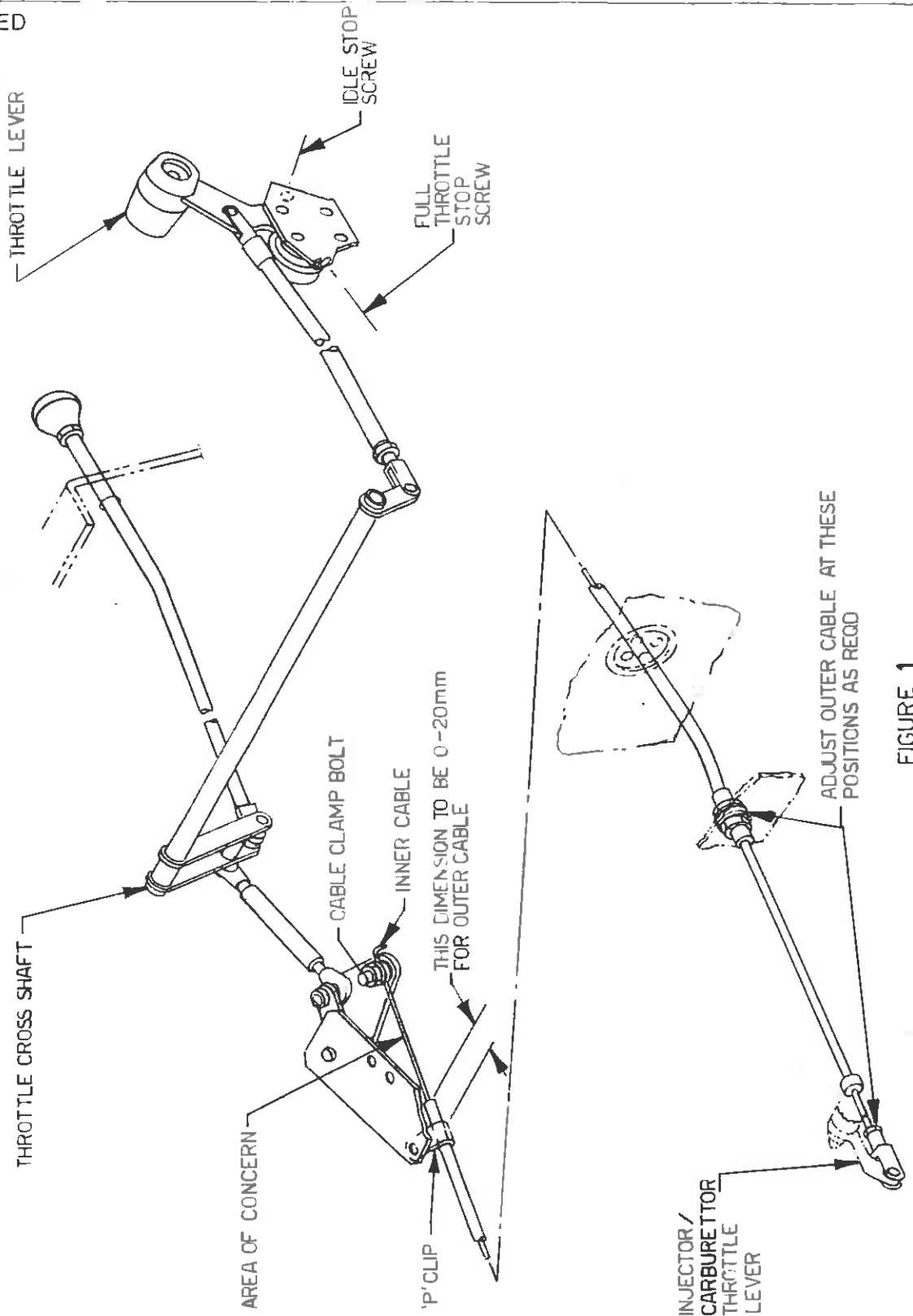


FIGURE 1
(POST MOD M326 DRN)

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B. Mellen

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