

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of 'Consigne de Navigabilité' ref. : 2000-409(A) R1
In case of any difficulty, reference should be made to the French original issue.

SOCATA

TBM 700 aircraft

Flap carriages (ATA 27, 57)

1. APPLICABILITY:

This Airworthiness Directive is applicable to all SOCATA TBM 700 aeroplanes on which SOCATA modification No. MOD 70-122-57 "Flap carriages" has not already been installed in production and on which amendment 1 dated November 2000 of SOCATA Service Bulletin TBM 700 n° 70-087-57 has not been applied.

It applies in particular to aeroplanes on which the original edition dated September 2000 of SOCATA Service Bulletin n° 70-087-57 (made mandatory by the original edition of this Airworthiness Directive) has been applied.

2. REASONS:

Following a flight, one of the flap carriage attaching screws has been found missing and another unscrewed. On other TBM 700 aircraft, flap carriage attaching screws have been found slightly unscrewed.

The loss of these screws could lead to a dissymmetry of the flaps position or even to the loss of the flap.

Reason for Revision 1: It may be impossible to perform instruction 24 of the original edition of SOCATA Service Bulletin TBM 700 n° 70-087-57 due to a faulty installation during production of the barrel nuts of the medium carriages. In November 2000 SOCATA has therefore revised the Service Bulletin No. 70-087-57 to incorporate a control of the installation of these barrel nuts (and a number of editorial revisions).

In order to apply the original edition of this Airworthiness Directive before the limit date of December 31, 2000, it was necessary either not to be concerned by the barrel nuts issue, or to have applied amendment 1 of SOCATA Service Bulletin TBM 700 n° 70-087-57. However it has been considered preferable to conservatively issue this Revision 1 of this Airworthiness Directive.

3. ACTIONS AND COMPLIANCE:

The following measures are made mandatory from the effective date of Revision 1 of this Airworthiness Directive:

.../...

A- For aeroplanes on which the original edition of the present Airworthiness Directive has already been applied and on which it has been possible to fit the new attaching screws of the medium flap carriages, as required by instruction 24 of SOCATA Service Bulletin TBM 700 No. BS 70-087-57, go directly to C.

B- Before next flight:

- control and if necessary correct the installation of the medium flap carriages barrel nuts, according to the instructions of referenced SOCATA Service Bulletin ;
- apply thread locker on the attaching screws' threads of the internal, medium and external flap carriages, and increase the tightening torques, according to the instructions of referenced SOCATA Service Bulletin;
- include in the maintenance programme of the aeroplane a check, every 100 hours, of the alignment of the red paint marks on the carriages and on the screws' heads, in order to insure that the screws have not come loose.

C- Record the application of the present Revision 1 of the Airworthiness Directive in the aircraft log book.

REF.: SB SOCATA TBM 700 n° 70-087-57 amdt. 1 dated November 2000
(or later revisions).

This Revision 1 replaces original AD 2000-409(A) dated October 18, 2000.

EFFECTIVE DATES :

Original AD : OCTOBER 28, 2000
Revision 1 : SEPTEMBER 29, 2001