

# 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. : 92-152(A) R4  
In case of any difficulty, reference should be made to the French original issue.

## SOCATA

### TB 9 and TB 20 airplanes

#### Exhaust system

This Airworthiness Directive concerns TB 9 and TB 20 airplanes from S/N 1 to S/N 1619 inclusive.

In order to ensure integrity of the exhaust system, the following measures are made MANDATORY from the effective date of this Airworthiness Directive.

- Within the next 50 hours T.I.S., apply following disassemblies and checks depending on the case :

#### 1. TB 9 AIRPLANES

##### **A- SB 10-062-78 has not been applied**

- . Disassembly, detailed inspection of the exhaust system and of the exchanger, inspection and marking of the exhaust pipe output tube. Replacement of the mounting flange seals and of the mounting and manifold attaching parts, in accordance with instructions of paragraphs 1 and 5 of SB 10-072-78 Rev 2.

##### **B- SB 10-062-78 has been applied (installation of KIT OPT 10-9183)**

- . Inspection and marking of the exhaust pipe output tube.  
Replacement of the mounting flange seals and of the mounting flange and manifold attaching parts in accordance with instructions of paragraphs 2 and 5 of SB 10-072-78 Rev 2.

After installation of engine cowls, the exhaust output tube shall nearly be centered in lower cowl hole.

- If the output tube touches or does not fit into the lower cowl hole position again the exhaust system assembly in accordance with instructions of paragraph D of SB 10-072-78 Rev 2.
- If defect persists, replace the exhaust system with an exhaust pipe P/N 10-56014008.

**2. TB 20 AIRPLANES****A- SB 10-062-78 has not been applied**

- . Disassembly, detailed inspection of the exhaust system and of the exchanger.  
Replacement of the mounting flange seals and of the mounting flange and manifold attaching parts, in accordance with instructions of paragraphs 3 and 5 of SB 10-072-78 Rev 2.

**B- SB 10-062-78 has been applied (installation of KIT OPT 10-9183)**

- . Replacement of the mounting flange seals and of the mounting flange and manifold attaching parts, in accordance with instructions of paragraphs 4 and 5 of SB 10-072-78 Rev 2.

After installation of engine cowls, the exhaust output tube shall nearly be centered in the lower cowl hole.

If not, check the installation assembly and if the defect persists refer to the Manufacturer.

Make sure that L.H. front manifold does not risk to make the cowl hot.

3. If there are cracks at side flanges of the exhaust pipe, apply KIT OPT 10-9195 (TB 9) or KIT OPT 10-9196 (TB 20).
4. If there are cracks on exchanger, refer to Chapter VIII.6 or 21.40 of the Maintenance Manual.

Record the application of this Airworthiness Directive on the aircraft Log book.

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REF : SB SOCATA TB airplanes 10-072-78 Rev 2  
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This Revision 4 replaces AD 92-152(A) R3 dated September 13, 1995.

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**EFFECTIVE DATE : AUGUST 01, 1992**

(Same as the original AD)