

Aerospatiale (Socata) TB20 (Trinidad) Series Aeroplanes

---

**AD/TB20/35**

**Fuel System**

**12/99**

Applicability: Model TB20 and TB21 aeroplanes serial numbers 1 to 822, 850 to 889 and 889 to 947 equipped with an engine monitoring cluster at amendment D and having a 14 volt electrical system.

*Note 1: This Directive is not applicable to aeroplanes with a 24 volt electrical systems.*

*Note 2: The amendment D engine monitoring cluster is not a production fit and is only available as a spare. The amendment D cluster may be identified by markings on the engine monitoring cluster identification plate.*

Requirement: 1. Install a placard adjacent to the fuel indicator, in accordance with Socata Service Bulletin SB 10-099-28 dated February 1999, stating:

**If voltage is lower than 13 VOLTS (below green range),  
fuel quantity is over-estimated.**

2. Incorporate the following amendments in the Flight Manual (Pilots Operating Handbook). This may be accomplished by inserting a copy of this Directive in the Flight Manual.

a. In SECTION 3 'EMERGENCY PROCEDURES', immediately following the 'ALTERNATOR FAILURE' procedure insert:

*Fuel gages:*

*If voltage is lower than 13 VOLTS (below green range),  
fuel quantity is over-estimated.*

b. In SECTION 4 'NORMAL PROCEDURES', in 'PRE-FLIGHT INSPECTIONS' of the 'ELECTRICAL SYSTEMS' procedure, at paragraph 'a — Cabin', insert immediately following the entry 'Fuel gages check':

**CAUTION**

*If voltage is lower than 13 VOLTS (below green range),  
fuel quantity is over-estimated.*

c. In SECTION 4 'NORMAL PROCEDURES', in 'AFTER STARTING ENGINE' procedure, insert immediately before the entry 'Fuel selector set to fullest tank':

*Fuel gages*

*Check*

*Note 3: DGAC AD 1999-062(A) refers.*

**SCHEDULE OF AIRWORTHINESS DIRECTIVES**

- Compliance:
1. Before 31 December 1999.
  2. Before 31 December 1999.

This Airworthiness Directive becomes effective on 2 December 1999.

Background: This Directive is issued to ensure that pilots are aware that fuel contents may be over-estimated.