

SUPPLEMENT TO AIR 2825 and AIR 3237

SECTION 2

LIMITATIONS

FUEL TANK CAP INSPECTION REQUIREMENTS

BACKGROUND

Airworthiness Directive DCA/750XL/20 is prompted by the possibility that non-conforming fuel tank caps may be installed on the aircraft which could result in fuel loss from the aircraft fuel tanks. This supplement requires an inspection of the fuel tank caps before every flight, and careful monitoring of the aircraft quantity indication system for fuel use above normal consumption throughout the flight.

REQUIREMENTS

1. Before every flight inspect the fuel tank caps (4 positions). Check that fuel caps are closed, locked and secure. Ensure that the top of the cap is flush with the upper wing surface. Pay particular attention to the front fuel tank caps.

If any discrepancy with a fuel tank cap is detected, or if there is any uncertainty whether a fuel tank cap is correctly closed, locked and sealed, then an inspection must be accomplished by a maintenance engineer, before further flight.

2. During every flight monitor the aircraft quantity indication system for fuel use above normal consumption. If a higher fuel consumption is experienced, then land the aircraft at the closest suitable runway.

After landing record the defect in the Technical Log and flights may only be resumed provided that an inspection is accomplished by a maintenance engineer per DCA/750XL/20.

Note: On the 750XL aircraft, the fuel system design is such that the front tanks are continuously topped up by motive-flow transfer from the rear tanks, until the latter are empty. If a front fuel tank cap is not correctly closed, locked and sealed, then fuel could leak past the fuel cap until all fuel other than the front tank contents is consumed. The fuel tank caps are thus critical items to be checked before every flight.