

## (I) Lockheed L-188 Series Aircraft

### I Additional Requirements and Special Conditions

#### Applicable to L188 Electra.

#### 1.1 Smoke Detectors

Smoke detector systems installed in Class E Cargo compartments must be in compliance with CS 25.855 and 25.857.

#### 1.2 Loss of Propeller

As a result of the accident and incident record, a Reduction Gear Assembly cockpit magnetic chip detection system, acceptable to the CAA, must be fitted. Associated aircraft Flight Manual Instructions must require engine shutdown as soon as possible following such an indication, or following a single unsuccessful burn-off should a Fuzz Burn-off system be fitted.

#### 1.3 Standby Artificial Horizon

As a result of the accident and incident record, either an acceptable artificial horizon comparator or, a standby artificial horizon must be fitted. If a standby artificial horizon is installed it must comply with the specification detailed in 2.3.1 of Airworthiness Notice No. 81.

### 2 Additional Airworthiness Directives

#### 2.1 002-05-99

**Applicable** to L-188A and L-188C aircraft all Serial numbers.

**Compliance** is required not later than 29 February 2000.

**Modify** all aircraft which have been fitted with a main cabin cargo door for which the initial opening movement is not inward or which could hazard the aircraft if open in flight, by embodiment of:

- 1) a) independent mechanical locks to secure the latches in the fully latched position, or  
b) individual positive mechanical means to retain each latch in the fully latched position. It must not be possible to position the mechanical means in the retaining position if the latch is not in the fully latched position.
- 2) a red visual warning which signals to the appropriate crewmember if the cargo door is not fully closed, latched and locked or if locks are not installed, fully closed and fully latched. The warning system shall be designed such that any termination failure (e.g. cable chafe or earth loss) will result in a fail-safe warning being generated. A warning must also be generated if the mechanical retention means required under 1) above, are not all retained in the fully latched (or locked) position.