

Pilatus PC-12 Series Aeroplanes

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**AD/PC-12/22**

**Electrical Power - Suppression Filters**

**13/99 TX**

**Applicability:** All Model PC-12 and PC-12/45 with Manufacturers Serial Numbers MSN 101 up to and including MSN 289.

**Requirement:**

1. Remove suppression filter (A250) part number (P/N) 524.52.12.358 and install suppression filter (A250) P/N 524.52.12.502 in accordance with Pilatus PC-12 Service Bulletin (SB) No.24-014 dated 27 October 1999.

*Note: The new suppression filter can be positively identified by the part number and a black placard with a yellow A250 marked on it.*

2. Perform system test in accordance with Pilatus PC-12 SB No.24-014 paragraph 3(D).

*Note: FOCA Switzerland AD HB 99-542 refers.*

**Compliance:**

1. Within the next 10 flights after the effective date of this directive.
2. Prior to further flight after Requirement 1.

This Airworthiness Directive becomes effective on 8 November 1999.

**Background:** After installation of SB 24-012 and electrical power activation, circuit breaker CB 235, which protects the GEN 2 circuit, tripped. Investigation revealed the suppression diode in the suppression filter (A250) P/N 524.52.12.358 was shorted. The diode is not capable of carrying the operational loads in this installation and can melt, resulting in a short circuit. Overheat damage to electrical wiring can result.