

Number: SA 09-16
Issued: November 3, 2009

SUBJECT: FIKI Anti-Ice System Compression Fittings

1. EFFECTIVITY

SR22 Serial Numbers 3003, 3310, 3326, 3403 and subsequent with FIKI System

2. DESCRIPTION

During a recent quality assurance inspection at the Duluth manufacturing plant, a condition was discovered where the compression fittings on some anti-ice fluid distribution lines may not have been properly installed. Incorrect installation of compression fittings could result in distribution line separation and FIKI Anti-Ice System malfunction.

To our knowledge, this condition has not been reported in any field aircraft. Cirrus is developing a Service Bulletin that will require the inspection and reassembly of affected compression fittings and expects that the FAA will issue an Airworthiness Directive to require compliance.

Until the Service Bulletin is complied with, Cirrus advises operators; Flight Into Known Icing Conditions is Prohibited. If the airplane encounters icing conditions immediately exit conditions by changing altitude, turning back, or if clear air is known to be immediately ahead, continue on course.

Additionally, operators are requested to install a placard to the instrument panel (similar to below) limiting Flight Into Known Icing.

FLIGHT INTO KNOWN ICING IS PROHIBITED

In the case of an Inadvertent Icing Encounter, the Ice Protection System may be used to escape the conditions, however, closely monitor system function and annunciation for signs of possible distribution line separation:

- If ice begins to accumulate on protected areas, or
- the aircraft experiences an unexpected loss of fluid pressure, indicated by a *Low Pressure Caution*,

ANTI ICE PSI

- or, the aircraft experiences unexpected loss of TKS fluid flow, indicated by a *Low Flow Rate Warning*,

ANTI ICE FLO

once clear of the icing conditions, turn the Ice Protection System OFF and land as soon as practical. Contact maintenance personnel to inspect the system for distribution line separation prior to further flight.

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