

Fairchild (Swearingen) SA226 and SA227 Series Aeroplanes

AD/SWSA226/71

Wing Lower Skin at WS 187

5/95

Applicability: Metro III, Model SA227-AC S/N 415, 416, 420 - 554 and Merlin IVC, Model SA227-AT, S/N 423 - 554 without either reinforcement doublers 27K31013-001, 27K31013-002 or stringer ties 27-13869 installed.

Requirement:

1. Do a fluorescent dye penetrant inspection of the wing lower surface skin in the area of Wing Station (WS) 187.0. Inspect in accordance with Fairchild Service Bulletin (SB) 227-57-002, Revision dated 23 January 1984, Accomplishment Instructions, paragraph IIA and CAO 108.10.
2. Install reinforcement doublers 27K31013-001 LH and 27K31013-002 RH, in accordance with Fairchild SB227-57-002, Revision dated 23 January 1984, Accomplishment Instructions, paragraph IIB; or,
3. Install stringer ties 27-13869 in accordance with Fairchild SB 227-57-002, Revision dated 23 January 1984, Accomplishment Instructions paragraph IIC.

Note: FAA AD 95-01-07 refers.

Compliance:

1. Inspect in accordance with Requirement 1 before 20 hours time in service after 27 April 1995.

Re-inspect at intervals not to exceed 50 hours time in service, until modified.
2. Modify in accordance with either Requirement 2 or 3 before 500 hours time in service after 27 April 1995.

Background: Due to the configuration of the wing lower surface access panels, cracking is expected to occur at WS 187 between the two access openings. The inspections required by this AD will allow timely detection of cracking. Modification will terminate the requirement for further inspections.