

Follow-up Action on Occurrence Report

ACCIDENT TO BAE 146-RJ100, G-BZAT, AT BIRMINGHAM AIRPORT ON 10 FEBRUARY 2003

(NOSEWHEEL DETACHED ON LANDING)

CAA FACTOR NUMBER : F25/2003
FACTOR PUBLICATION DATE : 07 August 2003
OPERATOR : City Flyer Express
CAA OCCURRENCE NUMBER : 2003/00785
AAIB REPORT : Bulletin 7/2003

SYNOPSIS

(From AAIB Report)

Apart from a slight nose wheel shimmy during takeoff, the crew noticed nothing unusual during a flight from Glasgow to Birmingham Airport. However, after they had parked at the stand, it was apparent that the left nose wheel was missing and this was subsequently found adjacent to the runway at Birmingham. Examination of the aircraft revealed that an abutment ring (spacer) was incorrectly installed on the subject nose landing gear axle, and that this had precluded the correct locking action of two bolts designed to secure the wheel retaining nut. Three safety recommendations are made as a result of this event.

FOLLOW UP ACTION

The three Safety Recommendations, made by the AAIB following their investigation, are reproduced below, together with the CAA's responses.

Recommendation 2003-30

It is recommended that the Civil Aviation Authority, in conjunction with the NLG and airframe manufacturers, review the design of the NLG nose wheel installation on the BAe 146/RJ aircraft with a view to precluding the possibility of incorrect assembly of the wheel abutment ring.

CAA Response

The CAA accepts this Recommendation. The CAA will, in conjunction with the NLG and the airframe manufacturer, review the design of the NLG nose wheel installation of the BAe 146/RJ aircraft with a view to precluding the possibility of incorrect assembly of the wheel abutment ring.

This review is targeted to be complete by 28 February 2004.

CAA Status - Open

Recommendation 2003-31

It is recommended that BAE Systems review the AMM procedures for the removal and installation of the nose wheel of the BAe 146/Avro RJ series aircraft to include a specific caution with respect to the fitment of the nose wheel abutment ring located at the inboard end of the NLG axle.

CAA Response

This Recommendation is not addressed to the CAA.

CAA Status - Closed

Recommendation 2003-32

BAE Systems should ensure that the introduction of an awareness programme to highlight the possibility of incorrect assembly of the nose wheel abutment ring to the NLG axle is instigated, and include this awareness as an item in the aircraft type and recurrent training courses.

CAA Response

This Recommendation is not addressed to the CAA.

CAA Status - Closed