

ALERT BULLETIN

AB 2021:19/3-7

10/20/2021

1829950

TO: Textron Aviation, FAA (AFS-100)

INFO: FAA (AVP-1, AVP-200, AFS-280, AFS-800, AFS-200, MKC-AEG, ANM-100, AIR-360, AQS-230), AMFA, AOPA, ASAP, ATSG, GAMA, IAM, IBT, ICASS, NBAA, NTSB, PAMA, TWU

FROM: Becky L. Hooley, Director
NASA Aviation Safety Reporting System

SUBJ: King Air 350 Spar Bumper Anomaly

We recently received ASRS reports describing a safety concern that may involve your area of operational responsibility. We do not have sufficient details to assess either the factual accuracy or possible gravity of the report. It is our policy to relay the reported information to the appropriate authority for evaluation and any necessary follow-up. We feel you should be aware of the following:

ASRS received a report from a Maintenance Technician describing a potential safety of flight issue affecting King Air spar bumpers. Reporter stated he heard the spar bumper hit the ground in the hangar where the King Air aircraft was parked. Technician suspects improper adhesive may have been used during manufacturing.

To properly assess the usefulness of our alert message service, we would appreciate it if you would take the time to give us your feedback on the value of the information that we have provided. Please contact Dr. Becky Hooley at (408) 541-2854 or email at becky.l.hooley@nasa.gov.



Aviation Safety Reporting System
P.O. Box 189 | Moffett Field, CA | 94035-0189



ACN 1829950

DATE / TIME

Date of Occurrence 202107
Local Time Of Day 0601 to 1200

PLACE

Altitude - AGL 0

ENVIRONMENT

Flight Conditions VMC

AIRCRAFT / EQUIPMENT X

Make Model Name Super King Air 350

COMPONENT 1

Aircraft Component Wing Spar

PERSON 1

Function - Maintenance Lead Technician
Function - Maintenance Technician
ASRS Report Number 1829950

EVENTS

Anomaly Aircraft Equipment Problem - Critical
Anomaly Deviation / Discrepancy - Procedural - FAR
Anomaly Deviation / Discrepancy - Procedural - Maintenance
Anomaly Deviation / Discrepancy - Procedural - Published
Material / Policy
Detector - Person Maintenance
Result - General Flight Cancelled / Delayed
Result - General Maintenance Action

NARRATIVE 1

The spar bumper, in the main wheel well, on the left side of Aircraft X fell off while the aircraft was in the hangar. The aircraft was delivered from the factory 2 years ago and this part was installed incorrectly. Textron considers this a grounding discrepancy because of the chance that the landing gear could hit the main spar in the event of a gear up landing. Other aircraft need to be looked at for proper factory installation.

CALLBACK 1

Reporter stated this 2-year-old King Air 350 was not in maintenance at the time of the incident, it was sitting in the hangar when a technician heard the thump as the spar bumper hit the ground. Aircraft has about 2300 hrs and 1250 cycles on the airframe in military service. Reporter suspects improper adhesive was possibly used during manufacturing process.

SYNOPSIS

Lead Technician reported a spar bumper fell out of the main wheel well while the aircraft was in the hangar.