

Fox Todd

From: Lindberg Joshua
Sent: Tuesday, March 9, 2021 8:30 AM
To: Helweg, Raj
Cc: Matthews, Ian C; Quisling, Jason E; Jason.L.Jaworsky [REDACTED]; CEN_Notifications
Subject: RE: ACSN 7050 Initial Damage Assessment (N259AM EC-130 Hard Landing)
Attachments: 6120 NTSB Fillable Form.pdf

Hi Raj,

Thanks for all the help with this damage assessment. The photos and information provided indicate there is damage to the landing gear, fairings, horizontal stabilizer, cowlings, Fenestron ventral fin, and tail skid. The damage to the landing gear, fairings, and cowlings is expressly excluded from consideration. Airbus defines their secondary structure a bit differently than other manufacturers as "Any part to which the 'primary structure' term applies but which has sufficiently high safety factor to allow a substantial loss of strength." The Fenestron itself is secondary structure and it doesn't appear that there is damage to it, although it's hard to tell with the close-up photos. The Fenestron ventral fin and tail skid are classified as tertiary structure so that damage is also expressly excluded from consideration. The horizontal stabilizer attach fitting on the tailboom (primary structure) was fractured and requires replacement. Therefore, this is considered **substantial damage**. There also may be other damage to the landing gear support structure based on the amount of damage to the skids, but we won't know until repairs are initiated.

We will assign an investigator today to begin working this with you and inspector Jaworsky. We will need the attached NTSB Accident Report Form completed by the pilot.

Thank you,

Josh Lindberg
Air Safety Investigator
National Transportation Safety Board
[REDACTED]

From: Helweg, Raj [REDACTED]
Sent: Monday, March 8, 2021 2:06 PM
To: Lindberg Joshua [REDACTED]
Cc: Matthews, Ian C [REDACTED]; Quisling, Jason E [REDACTED]
Subject: FW: ACSN 7050 Initial Damage Assessment

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

Hi Josh,

From our maintenance team-

ACSN 7050 Initial Damage Assessment:

See attached for Classification of structures.

With limited disassembly the following was noted.

- Landing gear (Primary Structure) replacement required.
 - There does not appear to be any damage to the landing gear saddles.
 - See attached Rigid Skid-Type landing gear general description of structure components.
- Damage to the Horizontal Stabilizer (Primary Structure) was noted.
 - Cracks in the attach points located on the Tailboom were noted.
 - See attached Structure general description.
- Damage to the Fenestron (Secondary Structure) was noted.
 - Cracks in the composite near the tail stinger were noted.
 - See attached Fenestron General Description.
- Damage to both Forward and Rear Lower cowlings (Secondary Structure) was noted.
 - Contact with the landing gear cross tube caused multiple cracks in both forward and rear belly cowlings.
 - See Attached Lower forward cowling and Lower cowling / underside general description.

Overall this appears to be minor damage, but is out of the capabilities at the current location so, we will be trucking this aircraft to Uniflight in Grand Prairie, TX for further evaluation and repair.

Raj

Raj Helweg | Chief Pilot

5500 South Quebec St. Ste 300 | Greenwood Village, CO 80111

O: [REDACTED] | C: [REDACTED]
[REDACTED] | AirMethods.com

