

ALERT BULLETIN

AB 2018:3/3-2

1/10/2018

1482673

TO: Boeing Commercial Airplane Company, FAA (AFS-100)

INFO: FAA (AVP-1, AVP-200, AFS-200, AFS-280, AFS-900, ANM-100, SEA-ACO, SEA-AEG, AQS-230), A4A, AFA, ALPA, AMFA, APFA, ASAP, ATSG, CAPA, IAM, IBT, ICAO, ICASS, IFALPA, NTSB, PAMA, TWU

FROM: Linda J. Connell, Director
NASA Aviation Safety Reporting System

SUBJ: B787 Nose Landing Gear Pin Installation Issue

We recently received an ASRS report 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 an air carrier Maintenance Technician describing a potential safety hazard with the installation of the B787 nose gear locking pin. Reporter stated the pin could easily be installed in the drag brace pivot link by mistake, which could lead to a gear collapse during ground testing. Reporter recommended corrective action be taken to prevent this potential anomaly.

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 Dennis Doyle at (408) 541-2831 or email at dennis.j.doyle@nasa.gov



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



ACN: 1482673

Time

Date: 201709

Place

Locale Reference.Airport: ZZZ.Airport

State Reference: US

Altitude.AGL.Single Value: 0

Aircraft 1

Make Model Name: B787 Dreamliner Undifferentiated or Other Model

Component 1

Aircraft Component: Gear Pins

Person 1

Function.Maintenance: Technician

ASRS Report Number: 1482673

Events

Anomaly.Aircraft Equipment Problem: Less Severe

Anomaly.Deviation - Procedural: Published Material / Policy

Detector.Person: Maintenance

Result.General: Maintenance Action

Narrative 1

New B787 aircraft arrived for post-delivery mod. The NLG drag brace pivot link hollow bolt will accept the gear pin snugly from LH side while the correct locking hole is 3 inches away and "unmarked." An inexperienced mechanic could accidentally place the locking pin in the wrong hole leading to gear collapse during ground testing damaging the aircraft and potentially injuring or killing persons in the vicinity of the gear.

Apply sealant or similar mitigation to the LH inside bolt hole, mark correct hole with red outline. Has previous Engineering Authorization been implemented on the fleet?

Synopsis

B787 Maintenance Technician reported the nose gear pin can mistakenly be installed into the NLG drag brace hollow bolt rendering the gear unsafe for ground testing.