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Subject: CEN19LA039
Date: Tuesday, December 18, 2018 3:15:50 PM

Jim, Robert Laux ask if I could help explain the divan install and toilet seat installation in Cessna N914JM S/N 550-0146.

During my investigation, the the side facing place divan which was installed in 1986, was installed without approved Data for this aircraft. According to the 337 this installation had prior approval by an inspector for another aircraft, however that data does not provide approved data for this aircraft. Previously approved data can be used as acceptable data for an addition modification; however, the FAA has to approve that data in block 3 on the 337 and that was not completed. The test referenced in the 337 also is to part 23, this aircraft was certificated under part 25 and addition requirement of 25.562 and 25.785 were not met.

I will have to go back out to the aircraft and check bench security; however, we do know that the seat belt attachment for the mid and aft passenger failed which would have allowed them to move to the other side of the aircraft. This attach point was a cable with 2 nicropress on it attached to the divan frame a mounting leg. The cable failed or pulled out of the niropress. Still looking into the cable size/ strength requirements vs. passenger g-loads.

The toilet seat by factory installation is a non-belted toilet. Not a passenger seat for takeoff and landing. The seat belt installation that was there was a non- approved cable set-up to a single bolt on the floor, did not use a Cessna seat belt/ cargo mourning foot and attachment. Toilet is in the aft baggage compartment and did not have any padding on the divider for head or body protection to meet the part 25 requirements.

If you have any question just let me know.

Brent Allen, Aviation Safety Inspector
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Please provide feedback at:

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