



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Western Pacific Region

September 19, 2020

AIRFRAME EXAMINATION SUMMARY

WPR20LA099

This document contains 2 embedded photos.

A. ACCIDENT

Location:	Moab, Utah
Date:	March 4, 2020
Aircraft:	Cessna 182A, N4031D
NTSB Investigator-in-Charge:	Joshua Cawthra

B. DETAILS OF THE INVESTIGATION

1.0 Airframe Examination

Wreckage Examination – September 19, 2020 – Air Transport, Phoenix, AZ

Examination of the recovered airframe was conducted by an airframe and powerplant mechanic under the supervision of a National Transportation Safety Board investigator. The examination revealed that the fitting on the upper portion of the brake caliper was slightly bent outward, toward the wheel assembly, which allowed for a portion of the brake line attached to the fitting to contact the inner wheel assembly, as seen in figure 1.

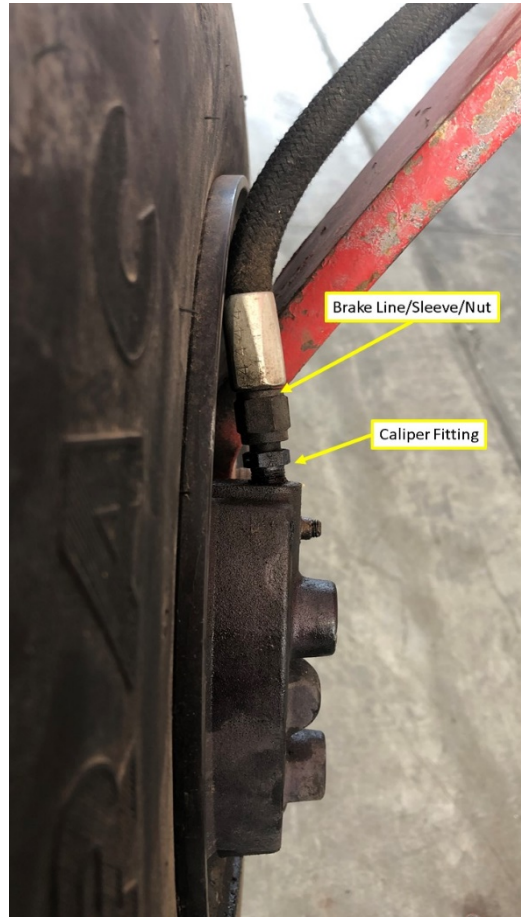


Figure 1: View of the right main landing gear brake assembly.

An area of scratched/displaced paint that was about 3/4 to 1 inch wide and 1/4 inch tall observed on the wheel assembly. No additional damage was noted on the inboard portion of the wheel assembly. Additional damage was observed on the inboard side of the brake line sleeve fitting, as seen in figure 2.

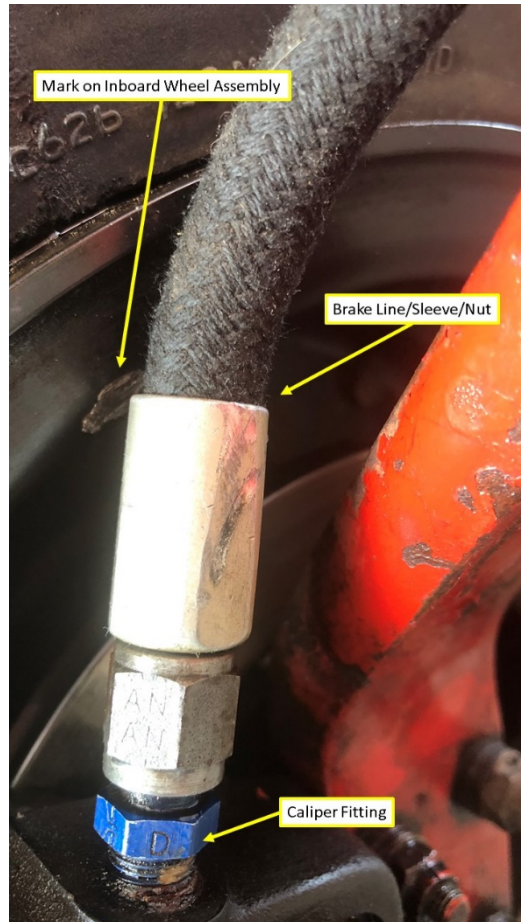


Figure 2: View of the right main landing gear brake assembly.

The brake caliper and rotor were found unremarkable. When the brake line was pulled away from the wheel assembly, the wheel rotated freely by hand and was not restricted. However, when the brake line was not pulled away from the wheel assembly, it contacted the wheel assembly and rotated slightly before it stopped.

Submitted by: Andrew Swick