

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Research and Engineering
Materials Laboratory Division
Washington, D.C. 20594



1/25/2018

MATERIALS LABORATORY FACTUAL REPORT

Report No. 18-013

A. ACCIDENT INFORMATION

Place : Chignik Lake, AK
Date : 5/1/2017
Vehicle : Cessna 208B, N803TH
NTSB No. : ANC17FA021
Investigator : Noreen Price

B. COMPONENTS EXAMINED

TAWS warning light with attached reset switch (figure 1).

C. DETAILS OF THE EXAMINATION

The TAWS warning light and reset switch did not exhibit evidence of mechanical or thermal damage. The continuity of the wiring harness for both the reset switch and warning lamp holder (DIALCO 801-1030-0334-504) was verified using a digital multi meter (DMM). The function of the reset switch was also verified and found to function normally using a DMM. The resistance of the bulb was measured and found to be 58 Ohm.

Radiographic examination of the light bulb filament (figures 2 -4) did not reveal evidence of stretching of the filament coil.

Joseph Panagiotou
Fire Protection Engineer

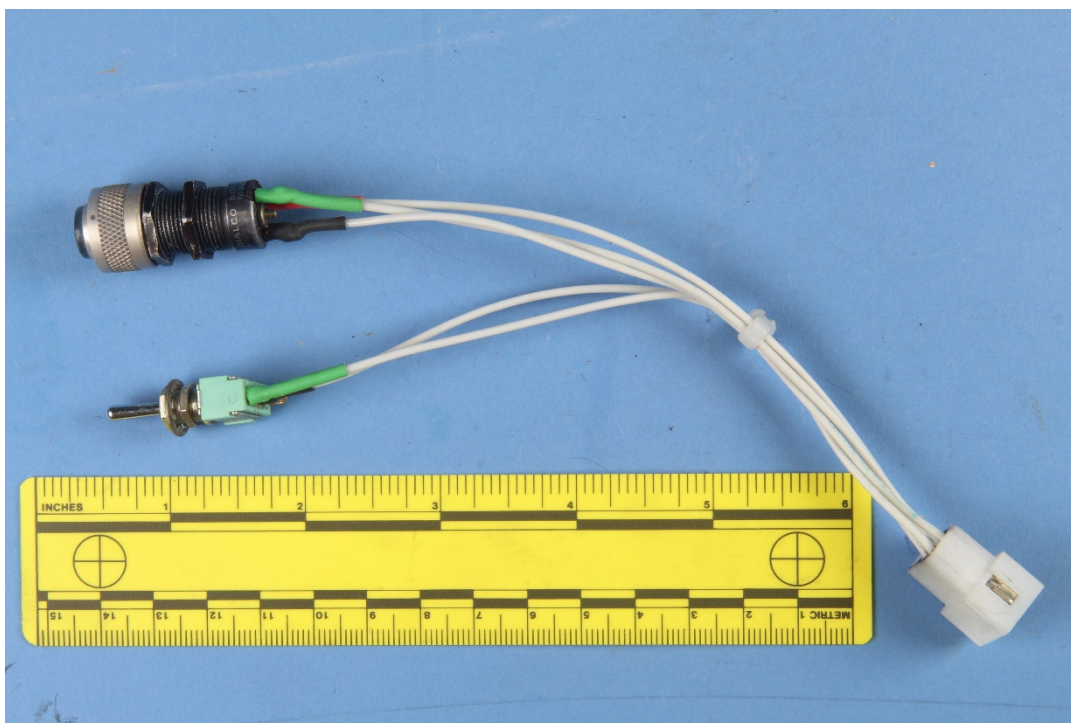


Figure 1: TAWS warning light and reset switch as received.

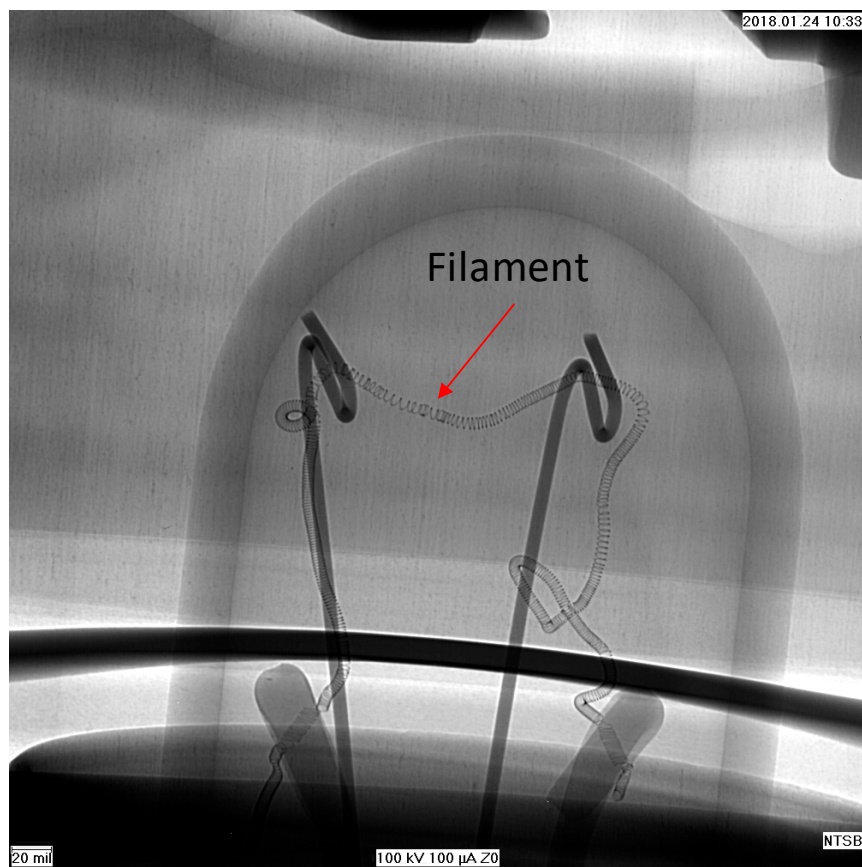


Figure 2: Radiographic image of the filament (side view).

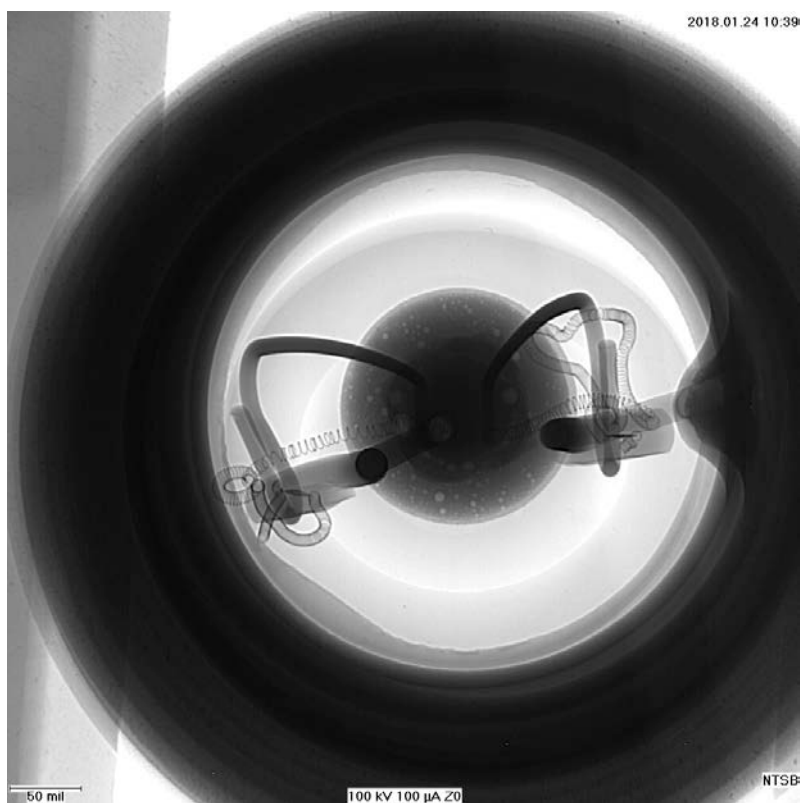


Figure 3: Radiographic image of the filament (top view).

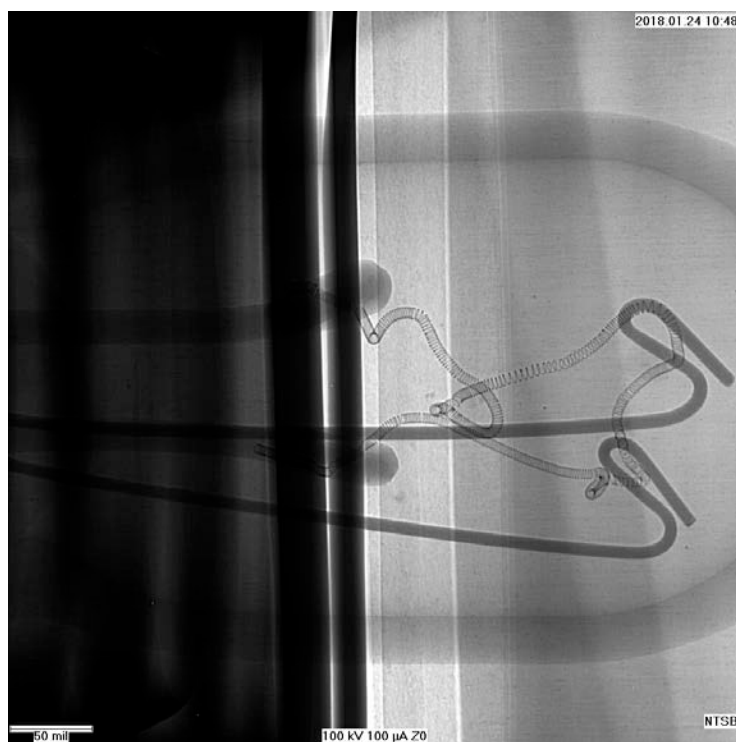


Figure 4: Radiographic image of the filament (side view).