

NATIONAL TRANSPORTATION SAFETY BOARD

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



March 23, 2012

MATERIALS LABORATORY FACTUAL REPORT

Report No. 12-037

A. ACCIDENT INFORMATION

Place : Green Cove, Florida
Date : December 26, 2011
Vehicle : Bell 206B
NTSB No. : ERA12MA122
Investigator : Jose Obregon

B. COMPONENTS EXAMINED

Annunciator panel

C. DETAILS OF THE EXAMINATION

The annunciator panel from the accident aircraft was submitted to the Materials Laboratory for examination of the light bulb filaments. The annunciator layout is shown in Figure 1. A photograph of the panel is shown in Figure 2.

The annunciator panel was x-rayed to determine the condition of the filaments inside each individual indicator light. Radiographs of the filaments in all of the indicators showed that the several of the bulb filaments were fractured; however, all of the filament material was present and exhibited no signs of stretching. The bulbs with intact (unbroken) filaments also showed no signs of filament stretching. A radiograph of a typical unstretched filament found in the accident annunciator panel is shown in Figure 3.

Nancy B. McAtee
Chemist

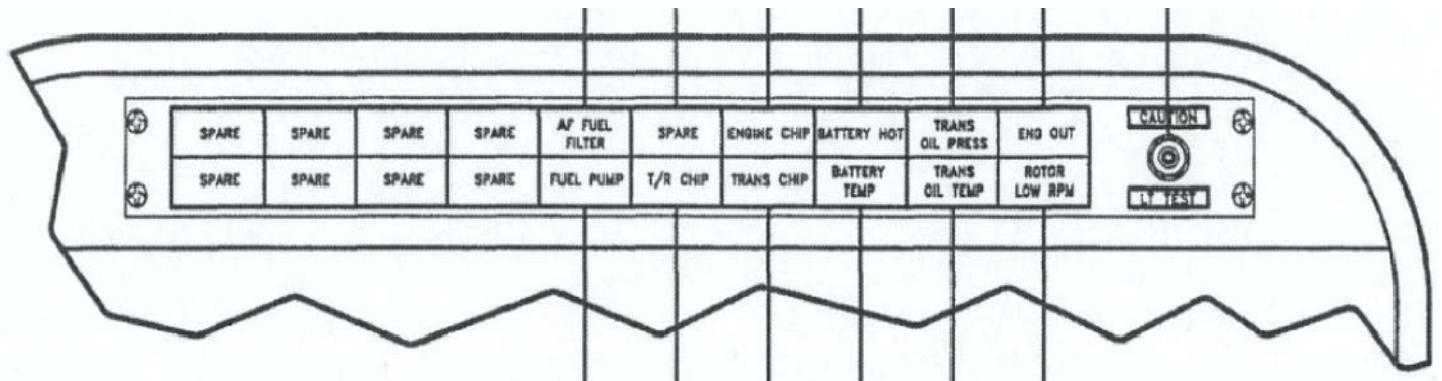


Figure 1. Layout of the annunciator panel.



Figure 2. Photograph of the annunciator panel.

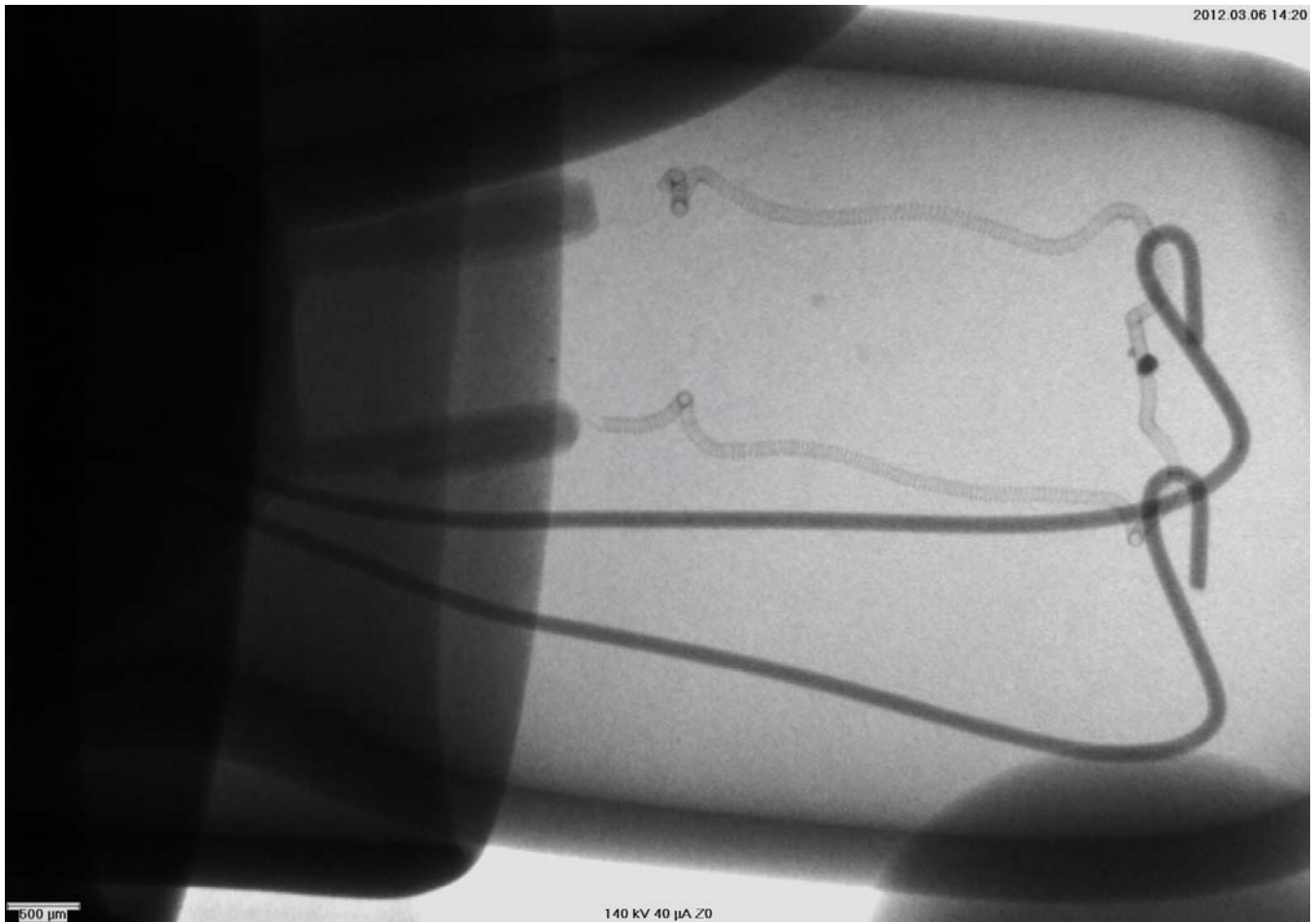


Figure 3. Example of typical unstretched filament found in the accident annunciator panel.