

McKenny Van

From: Strifas Aphrodite (Intern)
Sent: Friday, July 12, 2019 11:58 AM
To: McKenny Van; Brazy Doug
Cc: McAtee Nancy; Budinski Michael
Subject: ERA17MA316 Annunciator Panel for Engine #2 Fire Indicator
Attachments: Four Fire Bulbs_20x.jpg; Fire Bulb 1.jpg; Fire Bulb 2.jpg; Fire Bulb 3.jpg; Fire Bulb 4.jpg

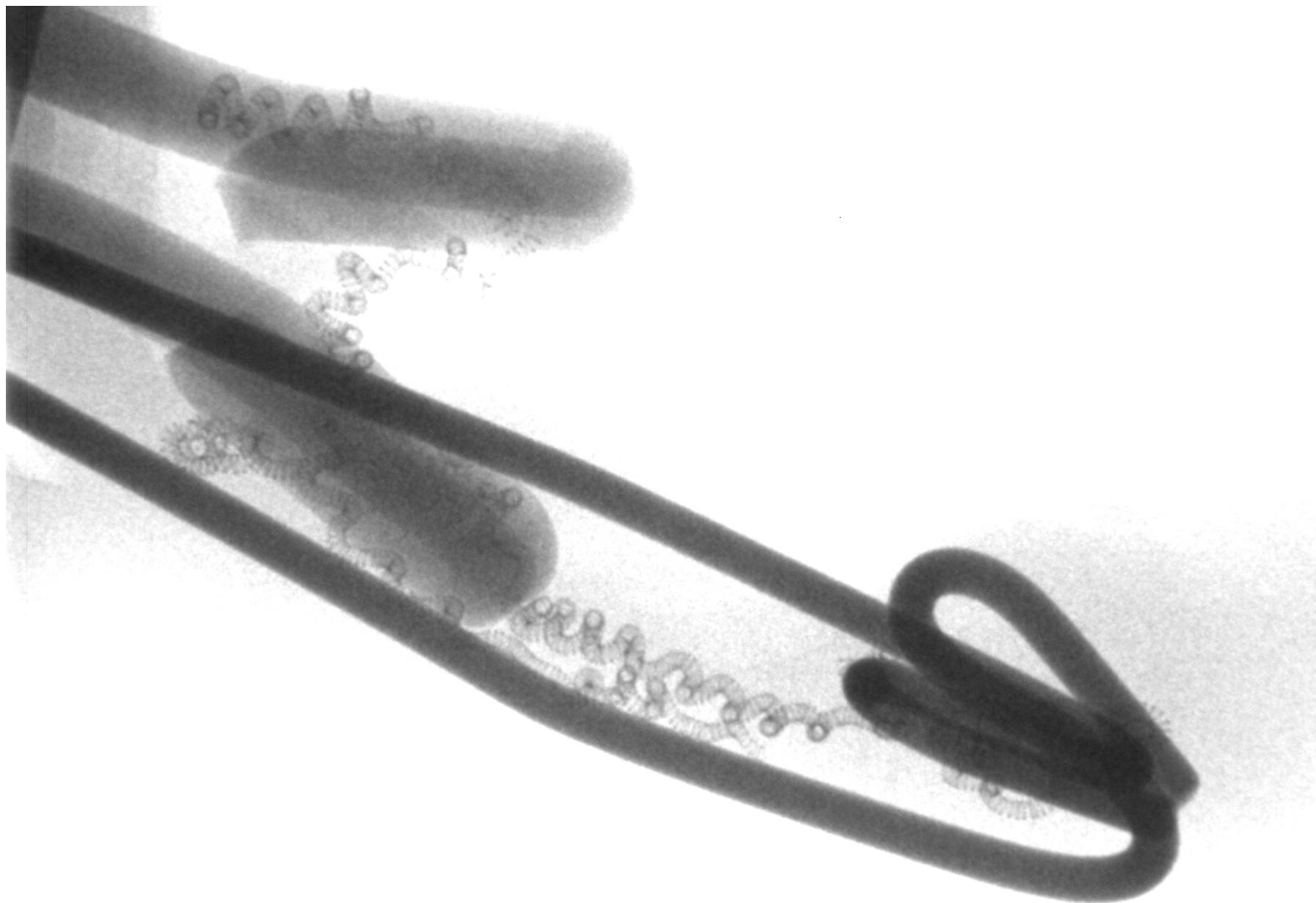
Dear Van and Doug,

The annunciator panel was submitted to the Materials Laboratory for examination. The four light bulbs for the engine #2 fire indicator were x-rayed to examine the filament in each bulb. The radiographs for the annunciator bulbs showed that the filaments for all the light bulbs were stretched. The radiographs also showed that all but one of the bulb filaments were intact. The bulb 1 filament was broken and stretched while bulbs 2-4 filaments were intact and stretched. The bulb numbering is arbitrary because the bulb positioning could not be determined due to fire damage. If you have any questions, please let me know.

Aphrodite Strifas
RE-30 Intern



Photo 1 – Four light bulbs from the #2 FIRE light located on the cockpit instrument panel, magnified 20x.



200 μm

50 kV 100 μA Z0

Photo 2 – X-ray radiograph of a light bulb filament and posts.

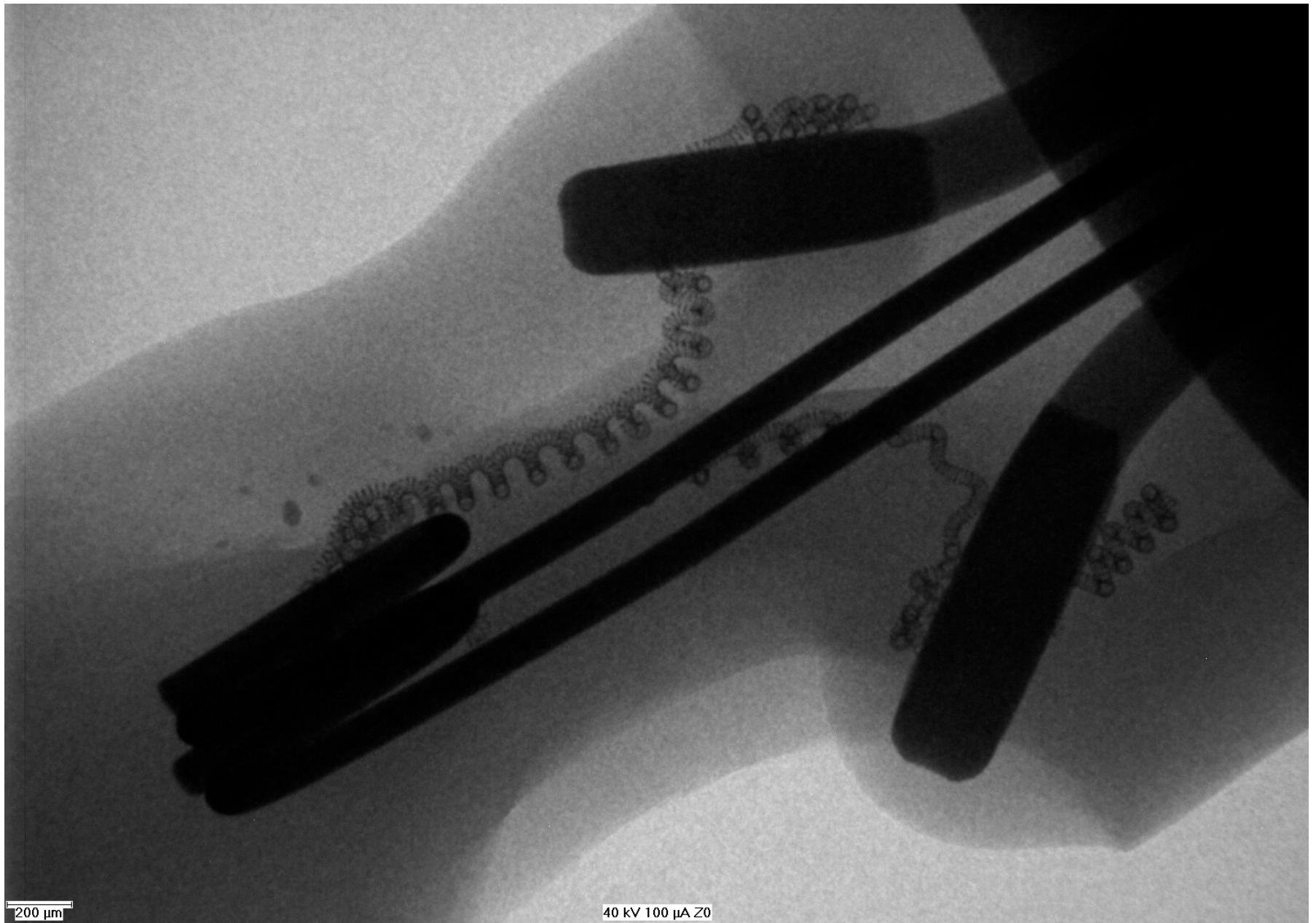


Photo 3 – X-ray radiograph of a light bulb filament and posts.

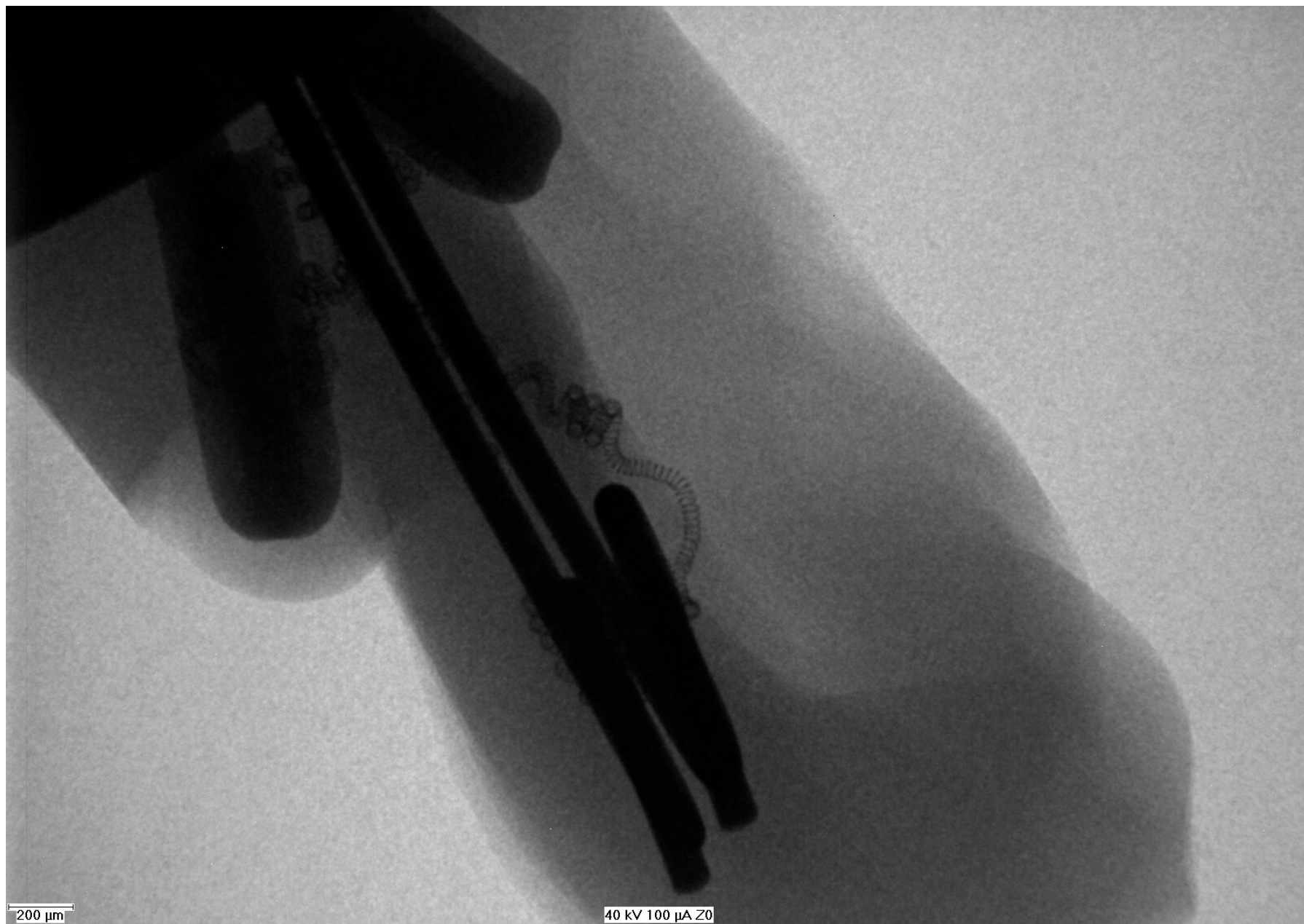


Photo 4 - X-ray radiograph of a light bulb filament and posts.



Photo 5 - X-ray radiograph of a light bulb filament and posts.