

From: McAtee Nancy
To: [Aguilera Jason](#)
Cc: [Budinski Michael](#)
Subject: CEN16FA282-Stall Switch
Date: Friday, March 9, 2018 4:46:00 PM
Attachments: [Contact for CEN16FA282 switch.jpg](#)
[CEN16FA282 Stall Switch.JPG](#)
[close up of contacts neutral.jpg](#)
[close up of contacts switch down.jpg](#)
[close up of contacts switch up.jpg](#)

Jason,

A stall switch from the accident aircraft was submitted to the Materials Lab for examination. The switch continuity was tested upon receipt of the switch. The continuity for the NORMALLY CLOSED to GROUND did not change with switch position indicating that the switch was not closing the circuit for an unknown reason. The switch was x-rayed in all three switch positions (UP, NEUTRAL and DOWN) to determine the contact position at each switch position. The contact did not appear to move despite switch position. The radiographs are attached to this email.

The case of the switch was removed to determine the cause of the lack of contact movement. The contact was examined. The contact surface was dirty and showed some signs of corrosion but there was no obvious cause for the binding of the contact. A close-up photograph is attached to this email. Once the case was removed, the continuity for the NORMALLY CLOSED to GROUND tested appropriately-circuit closed when the switch was in the UP position. The cause of the original continuity failure and lack of contact movement could not be determined.

If you have any questions, please let me know.

Nancy B McAtee
RE-30
Chemist



Photo 1 – Stall Warning Switch

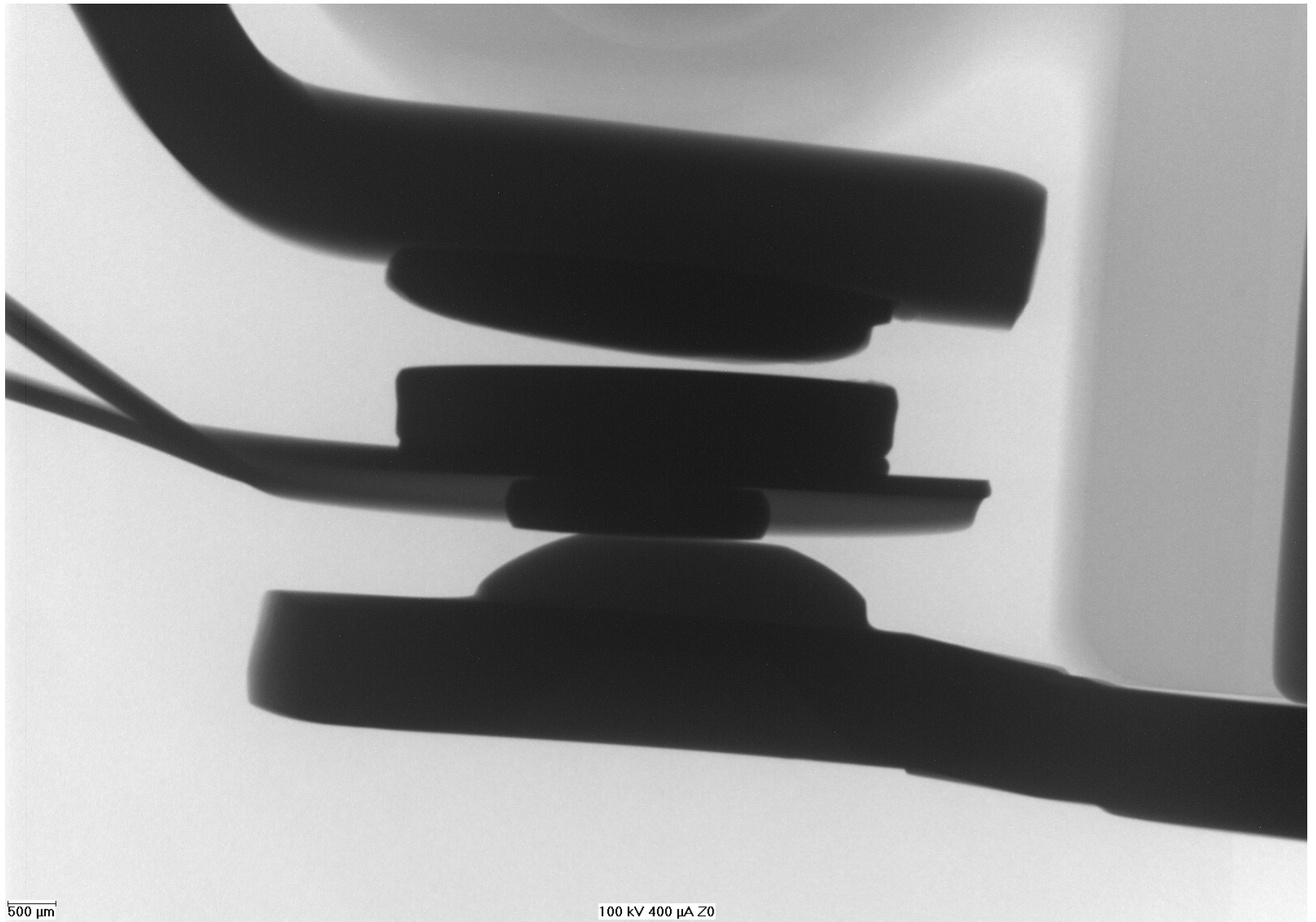


Photo 2 – Contacts at Switch Neutral

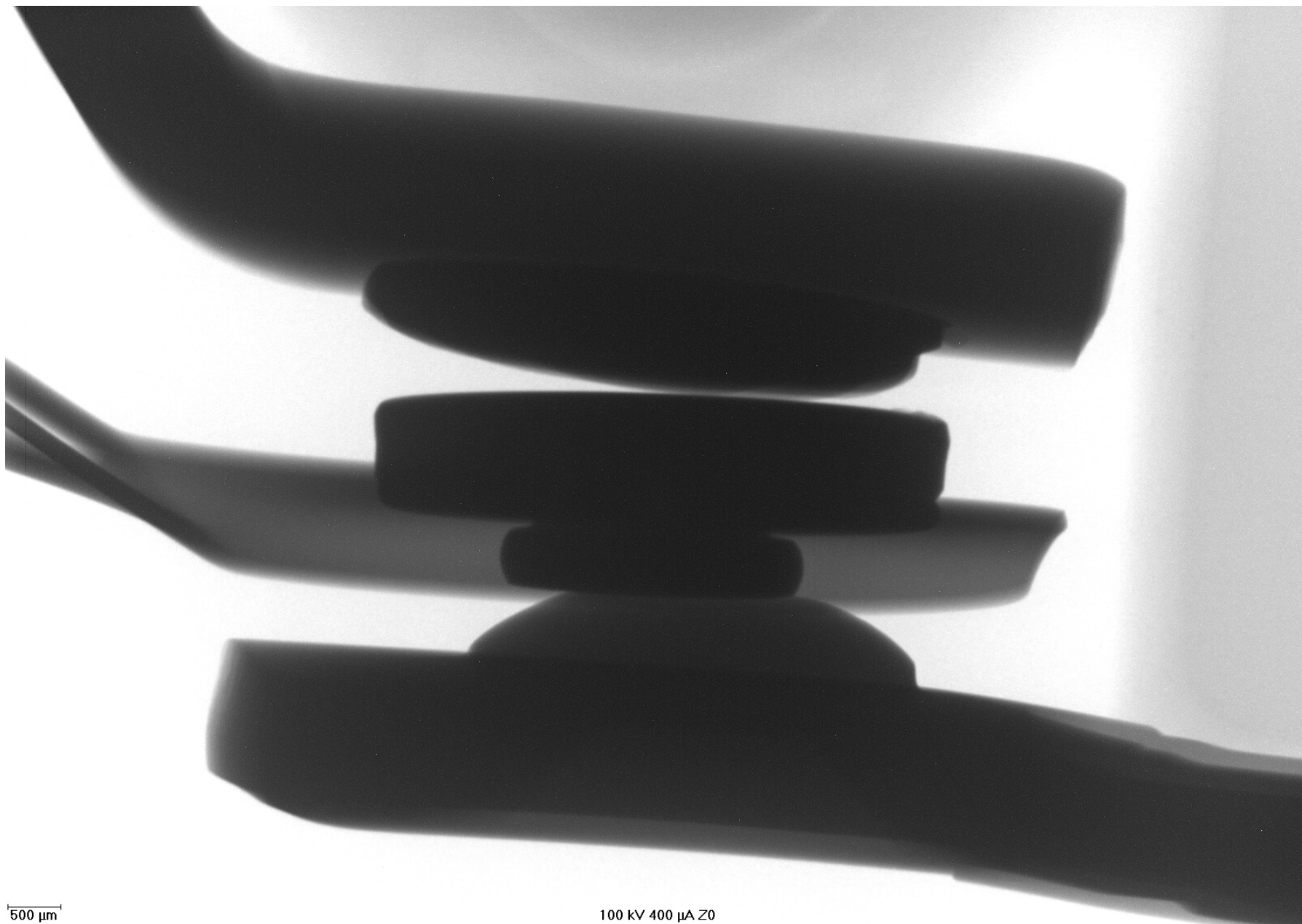


Photo 3 – Contacts at Switch Down

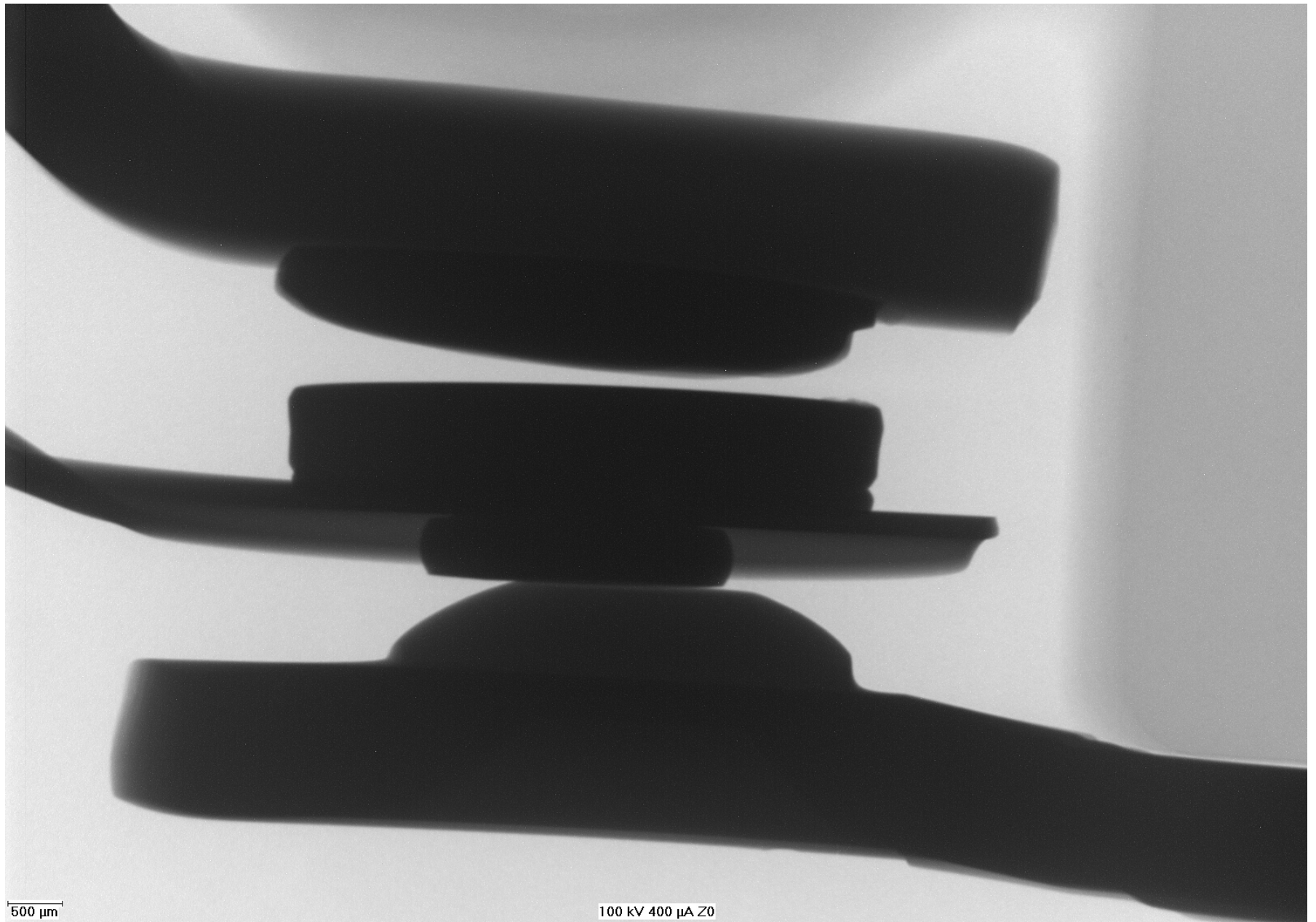


Photo 4 – Contacts at Switch Up

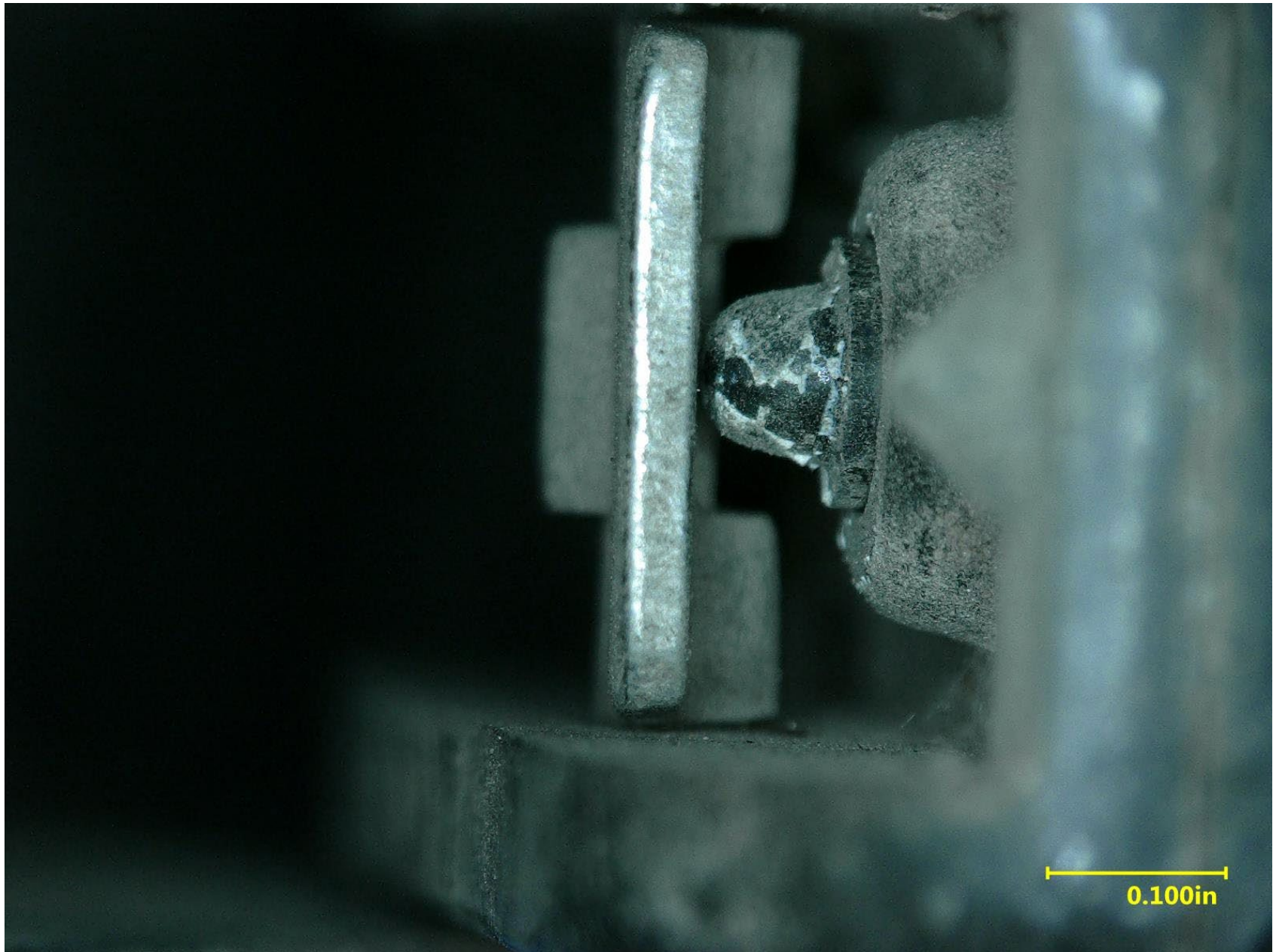


Photo 5 – Switch Contact