

Komarnicki Edward

To: Silliman James
Subject: CEN17FA075, RPM & Airspeed indicators & G-meter
Attachments: as recd rpm.jpg; as recd airspeed.jpg; as recd g-meter.jpg; rpm_5x.jpg; air speed_5x.jpg; g-meter (rear cover removed)_5x.jpg; g-meter face (reset)_5x.jpg

Place: Era, TX
Date: 1/12/2017
Vehicle: Steen Skybolt, N94RG
Components: Rear cockpit RPM indicator, Rear cockpit Airspeed indicator, G-meter
Investigator: James Silliman, AS-CEN

The as-received photos of the three parts are attached. The glass dial face covers of the RPM and Airspeed indicators were disassembled (removed) to determine whether any slap/impact marks were present. Both indicator faces were examined using a stereo microscope, first using a fiber optics illuminator with various color temperature settings and then with a UV light. No indication of slap or impact marks were observed on the indicator dial faces. Attached are digital microscope views of the indicators dial faces.

The rear housing of the G-meter was removed for operational examination. No impact marks (i.e. dents, damage, etc.) were observed on the outer case (housing) of the G-meter. With the housing removed, no damage was observed to the mechanical parts inside the G-meter. The gears, weights and other mechanical parts moved freely. An image showing the inside mechanics with housing removed is attached. When the reset button was pressed, the meter's dial needles (G-force indicators) reset to their respective origin positions. An image showing the reset position is attached. The G-meter appears to be operational.

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