



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Western Pacific Region

March 7, 2018

FUEL CONTROL UNIT EXAMINATION

WPR18LA029

This document contains 5 embedded photos.

A. ACCIDENT

Location: Rolling Fork, Mississippi
Date: November 7, 2017
Aircraft: Bell 206B, Registration N93PH, Serial #788
NTSB IIC: Samantha Link

B. EXAMINATION PARTICIPANTS:

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C. SUMMARY

Examination of the fuel control unit was conducted on March 7, 2018 at the facilities of Honeywell Aerospace in South Bend, Indiana. No anomalies were noted during the examination.

D. DETAILS OF THE INVESTIGATION

1.0 Operational Test

- Fuel Control Unit, Serial #328470
- An initial visual inspection was conducted on the unit and no anomalies were noted
- The unit was prepped, and it was installed onto the test bench.
- The fuel control unit underwent an operational test
 - It operated normally with no anomalies that would preclude normal operations was noted.

2.0 Teardown Examination

- The bypass valve assembly was removed and examined
 - The diaphragm was pliable
 - No anomalies were noted, and it was clear of debris
- The inlet screen was removed, and it was clear of debris.
- The flow body assembly was removed and was clear of debris
 - The flyweights rotated freely and smoothly

3.0 Photos



Figure 1: Data Tag

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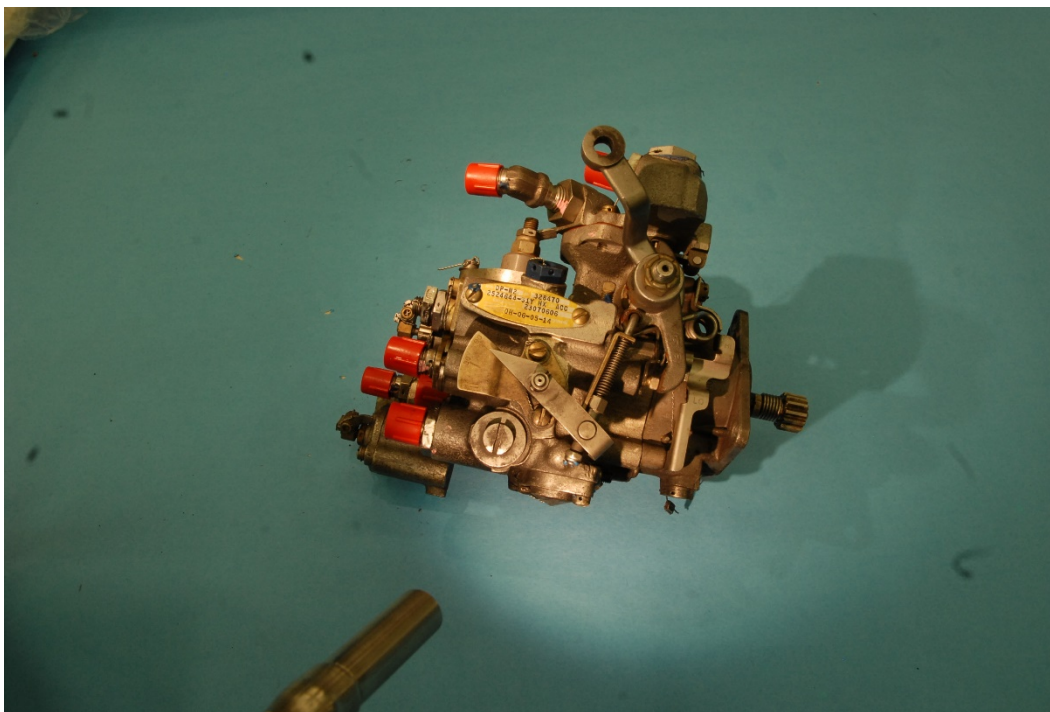


Figure 2: Overall View of Fuel Control Unit



Figure 3: Bypass Valve Assembly

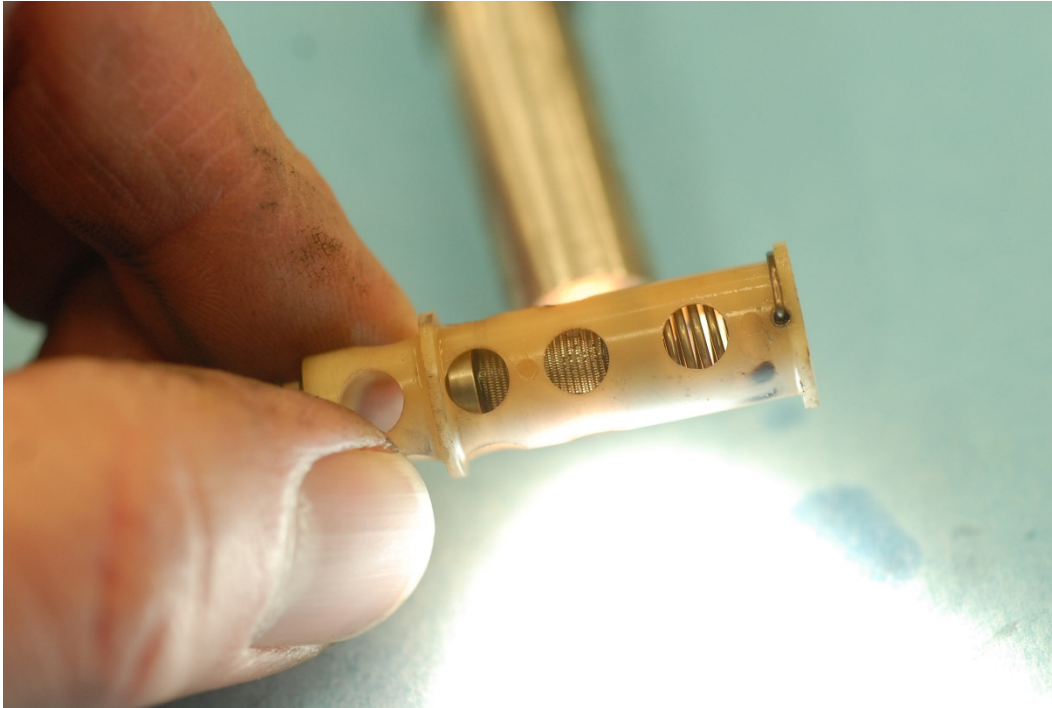


Figure 4: Fuel Inlet Screen

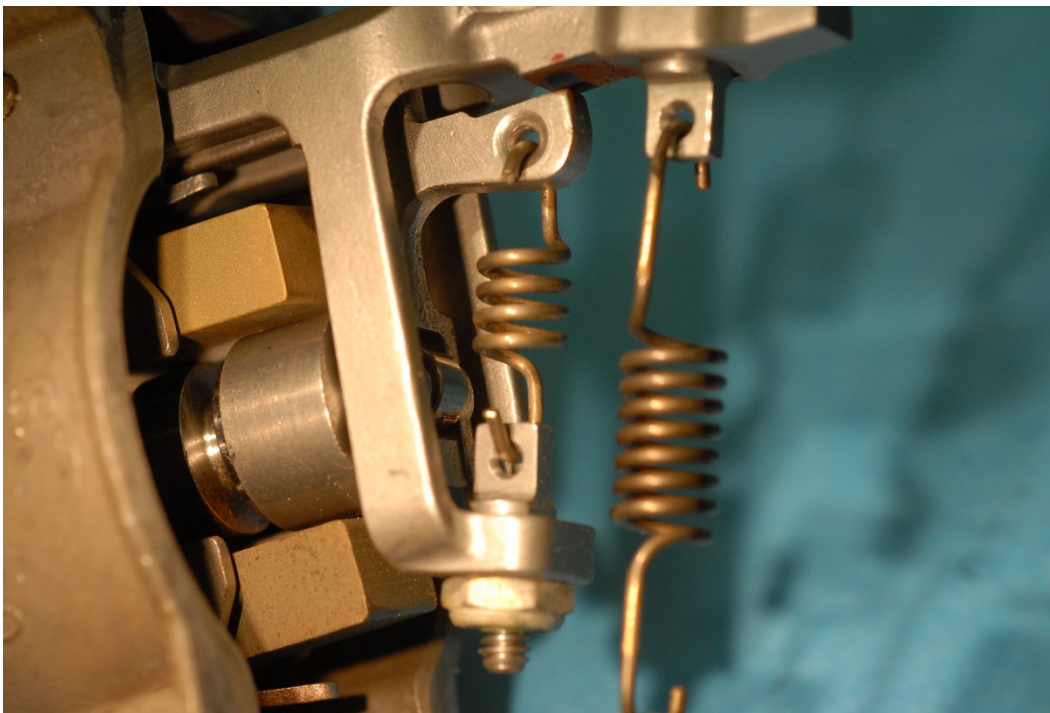


Figure 5: The Flyweights

END.

Submitted by: Samantha Link