

Mark Ward
Aviation Accident Investigator
Office of Aviation Safety - Alaska Region

Date: October 11, 2023

Subject: Fuel inlet screen to the fuel control

Contact: Ronda Barrett-Bewley - Barrett Precision Engines, INC.

Summary of a phone conversation with Ronda Barrett-Bewley of Barrett Precision Engines. The installed engine in N907W Murphy Moose was a Barrett Precision M-14P Radial engine.

I asked Ronda about the recommended inspections and maintenance of the inlet fuel filter on the fuel control of the M-14P engine. She explained that the fuel control on the M-14P engine comes from Airflow Performance in Spartanburg SC. She directed me to the Airflow Performance's website to download the installation service manual. She said all engines are shipped with this manual. She said the manual requires the owner/mechanic after the first 3 to 5 hours of engine operation after installing the fuel controller on a new installation, remove and clean all fuel filters and strainers in the aircraft fuel system. Repeat after 10 hours of operation, 25 hours of operation and every 50 hours of operation thereafter. Fuel control inlet filter should be inspected and cleaned (sonic cleaner recommended) at condition inspection. The manual also recommends removing and clean fuel filters during annual inspections.