

73 Engine Fuel Systems

**BEECHCRAFT
DUKE 60 SERIES
MAINTENANCE MANUAL**

CHAPTER 73

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CHAPTER 73 - ENGINE FUEL AND CONTROL

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FUEL FLOW INDICATING - MAINTENANCE PRACTICES

FUEL FLOW INDICATOR

The fuel flow indicator is an aid to the pilot when leaning the engines during flight. The major components of the system are the transducer or transmitter and the indicator. The transducer or transmitter is located in the fuel line of each engine forward of the firewall. This device generates a signal that is directed to the fuel flow indicator. The fuel flow indicator gives a readout in pounds of fuel per hour. The indicator has dual pointers, one for each engine and is located in the top center of the instrument panel. The circuit breaker is located in the upper copilots side panel.

Early airplanes (prior to P-465 except P-427, P-428, P-429, P-431, P-432, P-433) have a system which operates on 26 volts ac, 400 cycles. On these airplanes there is an inverter located near fuselage station 119.28 and to the rear of the firewall of the left engine. On these early airplanes there is a fuel flow fuse in the lower pilots side panel.

On airplane serials P-427 through P-429, P-431 through P-433 and P-466 and after the system operates on 28 volts dc, airplane bus voltage.

TRANSDUCER OR TRANSMITTER REMOVAL

- a. Open the right engine cowl.
- b. Disconnect the electrical connection.
- c. Disconnect the two fuel lines, and cover the opening to prevent contamination.
- d. Remove the bolts holding the transducer or transmitter in place, and remove the unit.

TRANSDUCER OR TRANSMITTER INSTALLATION

- a. Install the transducer or transmitter with the attaching bolts. Safety wire the bolts.
- b. Connect the two fuel lines.
- c. Connect the electrical connection.
- d. Close the engine cowl.

"END"

