

## INDICATING - DESCRIPTION AND OPERATION

### 1. General

A. This section covers system components utilized to indicate fuel quantity.

### 2. Description and Operation

- A. Airplanes 20800500 and On and Airplanes 208B2000 and On have Can bus fuel level sensors. Airplanes 20800001 thru 20800499 and Airplanes 208B0001 thru 208B1999 fuel tanks each have four float-operated, variable-resistance fuel quantity transmitters. The variable-resistance fuel quantity transmitters are found in the applicable locations that follow:
- (1) The inboard end of fuel tank.
  - (2) The outboard end of fuel tank.
  - (3) The center inboard end of fuel tank.
  - (4) The center outboard end of fuel tank.
- B. The CAN fuel level sensors are found in the applicable locations that follow:
- (1) Left wing inboard CAN fuel level sensor (UL001).
  - (2) Left wing outboard CAN fuel level sensor (UL002).
  - (3) Right wing inboard CAN fuel level sensor (UR001).
  - (4) Right wing outboard CAN fuel level sensor (UR002).
- C. A low fuel level switch is located adjacent to the inboard fuel quantity transmitter. Because of dihedral angle of the wing, as fuel level drops resistance of outboard fuel quantity transmitter(s) decreases first from maximum causing a corresponding decrease in fuel gage indications.
- D. For Airplanes 20800500 and On and Airplanes 208B2000 and On the fuel quantity indicator is shown on the engine display of the Garmin Display Unit (GDU) configured as the Multifunction Display (MFD). For more data applicable to the GDU functions refer to the G1000 Line Maintenance Manual (Cessna Caravan) P/N 190-00869-00 found in the Introduction, List of Publications.
- E. Airplanes 20800001 thru 2080499 and Airplanes 208B0001 thru 208B1999 have Fuel quantity indicators (one for each fuel tank) installed on the upper right side of the instrument panel. The fuel quantity transmitters are connected to the electrically operated fuel quantity indicators in series.