

## HOURLMETER - MAINTENANCE PRACTICES

### 1. General

- A. An oil pressure type hourmeter is optional equipment on Airplanes 20800001 thru 20800055, and 208B0001 thru 208B0087. Airplanes 20800056 and On, and 20800001 thru 20800055 incorporating SK208-9, and 208B0087 and On, have an airflow type hourmeter installed.

### 2. Description and Operation

- A. The oil pressure type hourmeter is activated by an electrical signal from engine oil pressure switch. Airflow type hourmeter operates when air flows across a switch tab located on wing, which closes an electrical circuit activating hourmeter.
- B. Garmin G1000 equipped Airplanes can operate the hourmeter ONLY when In-Air Mode is active.

**NOTE:** The aircraft is In-Air mode when a valid GPS groundspeed is greater than 30 kts, or a valid True Airspeed is greater than 50 kts.

- (1) The Garmin Engine and Airframe Interface (GEA) will provide discrete ground to the hourmeter when In-Air Mode is active.

### 3. Hourmeter Removal/Installation

- A. Remove Hourmeter (Refer to Figure 201).
  - (1) Disconnect airplane battery.
  - (2) Disconnect electrical leads (2) and (3) from hourmeter (1).
  - (3) Remove screws and remove hourmeter.
- B. Install Hourmeter (Refer to Figure 201).
  - (1) Connect electrical leads (2) and (3) to hourmeter (1).
  - (2) Position hourmeter in instrument panel and install screws.
  - (3) Connect airplane battery.

### 4. Hourmeter Switch Removal/Installation

- A. Remove Hourmeter Switch (Refer to Figure 201).
  - (1) Disconnect airplane battery.
  - (2) Remove screws securing cover plate (11).
  - (3) Remove screws (7) and washers (6) from wire (2) and ground line (8).
  - (4) Remove nuts (4), washers (5), and screws (9) and remove switch from cover plate.
- B. Install Hourmeter Switch (Refer to Figure 201).
  - (1) Remove and discard spring from hourmeter switch (10).

**NOTE:** Hourmeter switch (10) will not operate without removing the spring prior to installation.
  - (2) Install switch (10) on cover plate (11) using screws (9), washers (5), and nuts (4).
  - (3) Connect wire (2) and ground wire (8) to switch (10) using washers (6) and screws (7).
  - (4) Install cover plate (11) on wing using screws.
  - (5) Connect airplane battery.