

ALTIMETER - MAINTENANCE PRACTICES

1. General

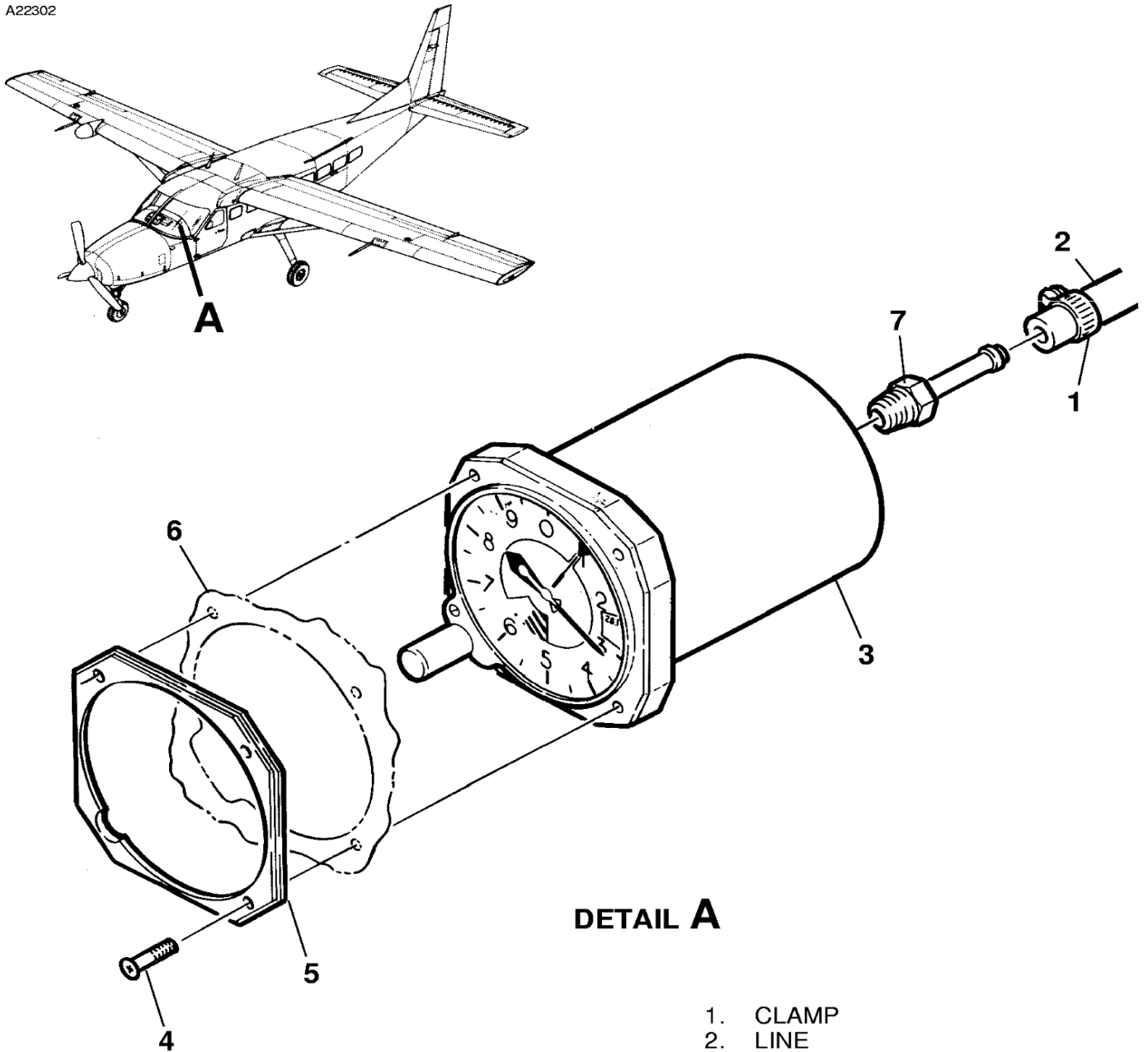
- A. The altimeter, located on pilot's instrument panel, converts static pressure into a visual indication of aircraft altitude above sea level. Pointers on instrument dial indicate altitude in increments of 100, 1000 and 10,000 feet, with a range of -1000 to 135,000 feet.
- B. A barometric scale is incorporated in the instrument. The scale is calibrated in inches of mercury and is set manually by a knob on lower left corner of altimeter case. Adjustment for local barometric conditions is made by manually rotating setting knob.
- C. An optional right located altimeter is also available. Maintenance practices for the right altimeter are the same as for the left altimeter covered in this chapter.

2. Altimeter Removal/Installation

- A. Remove Altimeter (Refer to Figure 201).
 - (1) Remove screws and washers securing removable flight panel (6) and slide flight panel aft to gain access to back of altimeter indicator (3).
 - (2) Loosen clamp (1).
 - (3) Disconnect and cap off line (2) from fitting (7), located on back of altimeter (3).
 - (4) Remove screws (4) securing altimeter (3) and faceplate (5) to flight panel (6).
 - (5) Remove altimeter (3) and faceplate (5) from flight panel (6).
 - (6) Remove fitting (7) and plug opening in back of altimeter (3) to avoid possible contamination of instrument.
- B. Install Altimeter (Refer to Figure 201).
 - (1) Remove plug in back of altimeter (3) and install fitting (7).
 - (2) Position altimeter (3) and faceplate (5) in appropriate opening in flight panel (6).
 - (3) Install screws (4) securing altimeter (3) and faceplate (5) to flight panel (6).
 - (4) Connect line (2) to fitting (7), located on back of altimeter (3).
 - (5) Tighten clamp (1).
 - (6) Slide flight panel (6) forward and install screws and washers securing flight panel (6) to instrument panel.
 - (7) (For airplanes equipped with KFC-225 autopilot.) If a new unit is installed or the unit is calibrated, do a system alignment. Refer to Introduction, the List of Manufacturers Technical Publications for the manufacturer's installation manual.

Figure 201 : Sheet 1 : Altimeter Installation

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DETAIL A

- 1. CLAMP
- 2. LINE
- 3. ALTIMETER INDICATOR
- 4. SCREW
- 5. FACEPLATE
- 6. FLIGHT PANEL
- 7. FITTING

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