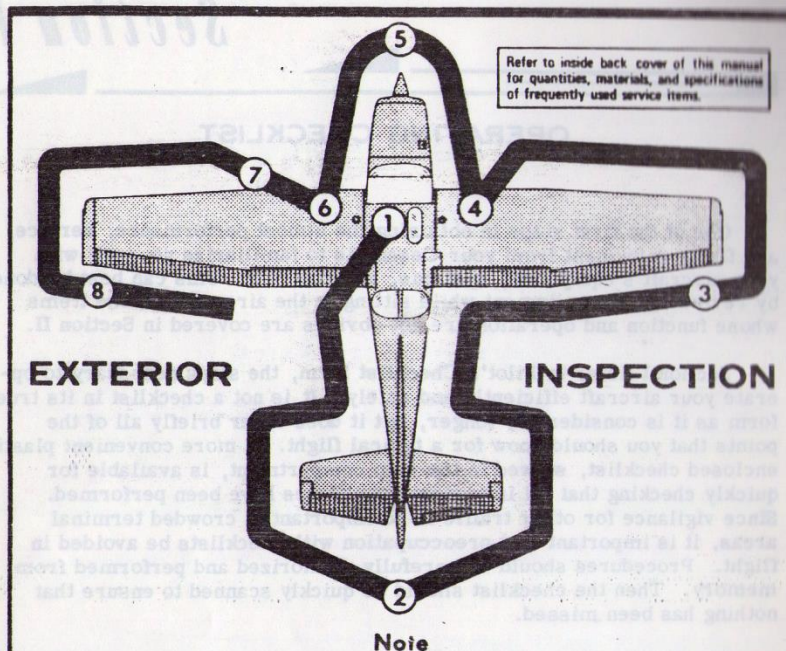


Anexo da Aula 07
FAMILIZARIZAÇÃO E CULTURA AERONÁUTICA

ESTS002-17: AERONÁUTICA I-A (AVIÕES)

Fernando Madeira

INSPEÇÃO PRÉ-VOO

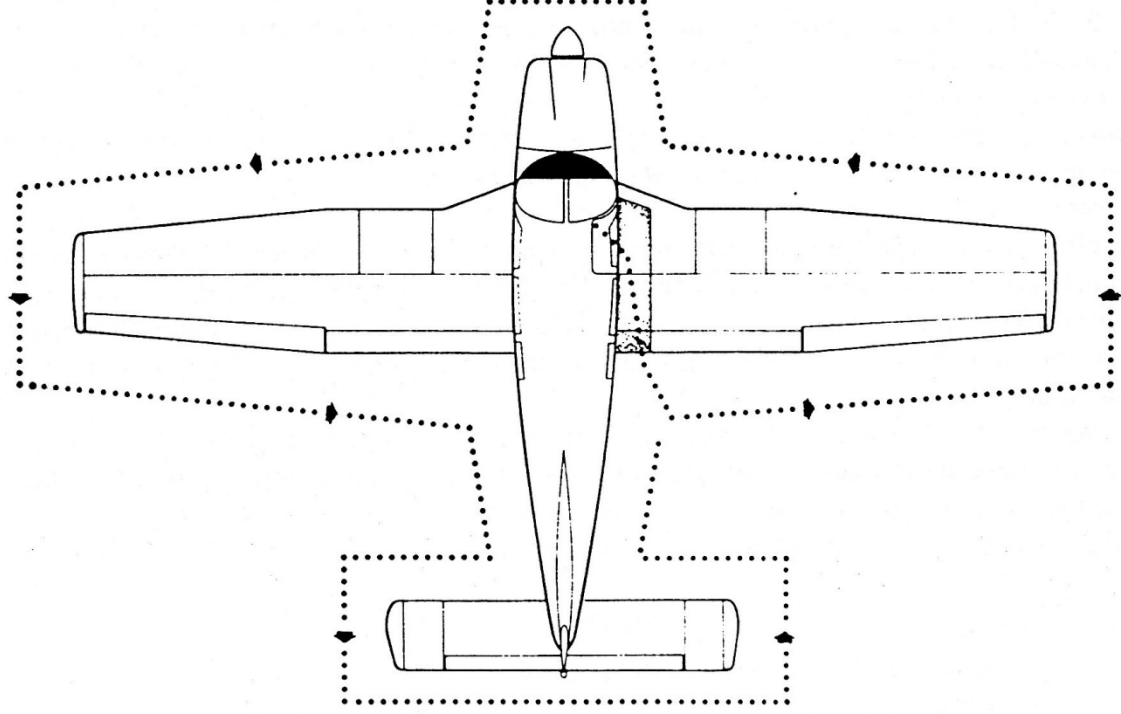


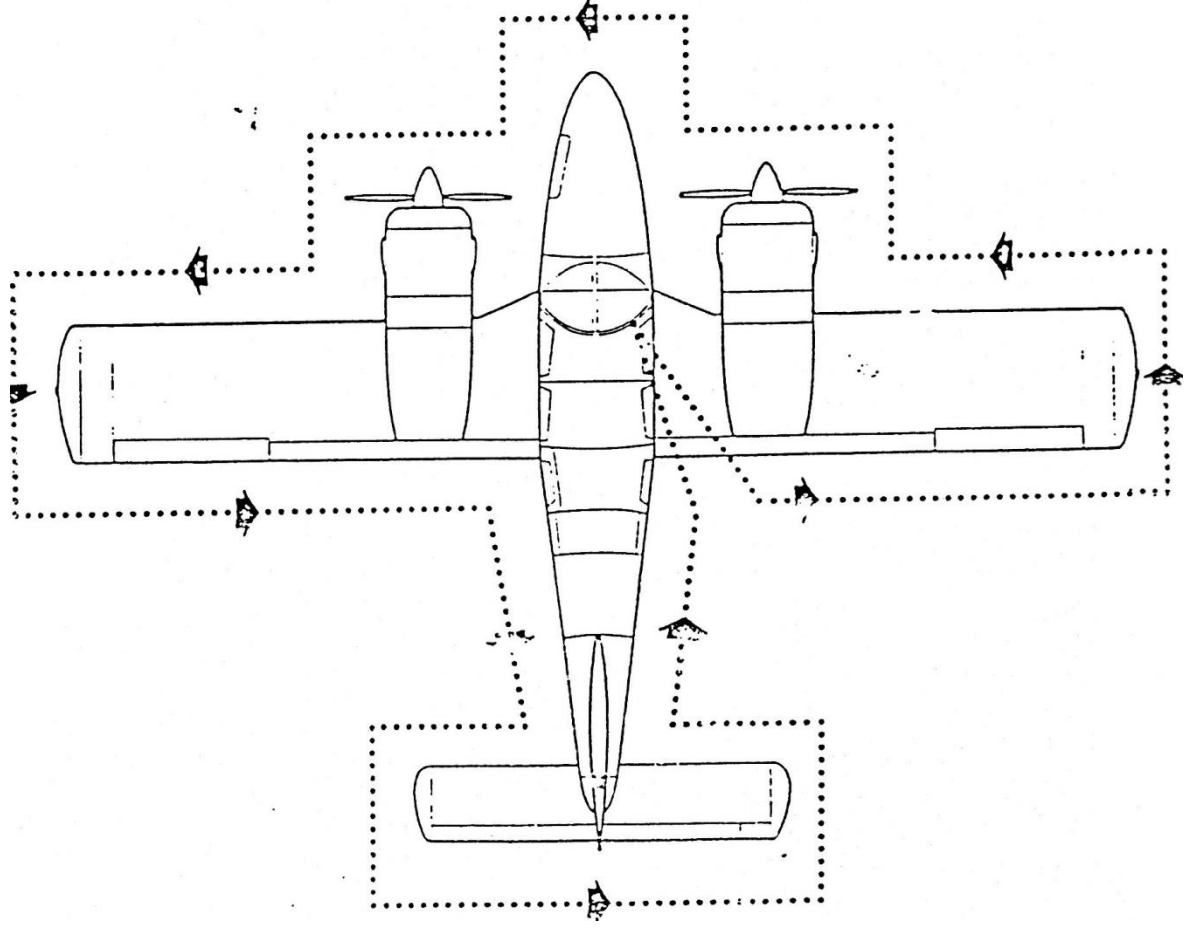
Visually check aircraft for general condition during walk-around inspection. In cold weather, remove even small accumulations of frost, ice or snow from wing, tail and control surfaces. Also, make sure that control surfaces contain no internal accumulations of ice or debris. If night flight is planned, check operation of all lights, and make sure a flashlight is available.

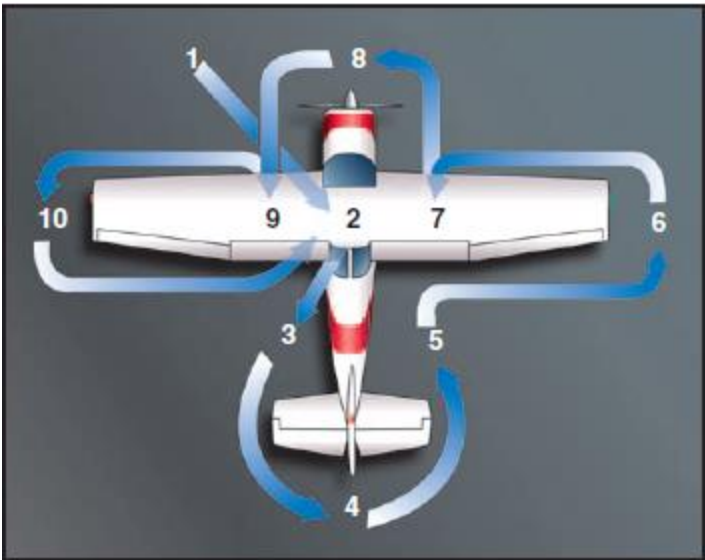
- ①
 - a. Remove control wheel lock.
 - b. Check ignition switch OFF.
 - c. Turn on master switch and check fuel quantity indicators; then turn off master switch.
 - d. Check fuel selector valve handle on BOTH.
 - e. Check baggage door for security. Lock with key if children are to occupy child's seat.

Figure

- ②
 - a. Remove rudder gust lock, if installed.
 - b. Disconnect tail tie-down.
 - c. Check control surfaces for freedom of movement and security.
- ③
 - a. Check aileron for freedom of movement and security.
- ④
 - a. Disconnect wing tie-down.
 - b. Check main wheel tire for proper inflation.
 - c. Before first flight of the day and after each refueling, use sampler cup and drain small quantity of fuel from fuel tank sump quick-drain valve to check for water, sediment, and proper fuel grade.
 - d. Visually check fuel quantity; then check fuel filler cap secure.
- ⑤
 - a. Check oil level. Do not operate with less than six quarts. Fill to eight quarts for extended flights.
 - b. Before first flight of the day and after each refueling, pull out strainer drain knob for about four seconds to clear fuel strainer of possible water and sediment. Check strainer drain closed. If water is observed, the fuel system may contain additional water, and further draining of the system at the strainer, fuel tank sumps, and fuel selector valve drain plug will be necessary.
 - c. Check propeller and spinner for nicks and security.
 - d. Check landing light(s) for condition and cleanliness.
 - e. Check carburetor air filter for restrictions by dust or other foreign matter.
 - f. Check nose wheel strut and tire for proper inflation.
 - g. Disconnect tie-down rope.
 - h. Inspect flight instrument static source opening on side of fuselage for stoppage (left side only).
- ⑥
 - a. Check main wheel tire for proper inflation.
 - b. Before first flight of the day and after each refueling, use sampler cup and drain small quantity of fuel from fuel tank sump quick-drain valve to check for water, sediment, and proper fuel grade.
 - c. Visually check fuel quantity, then check fuel filler cap secure.
- ⑦
 - a. Remove pitot tube cover, if installed, and check pitot tube opening for stoppage.
 - b. Check fuel tank vent opening for stoppage.
 - c. Check stall warning vent opening for stoppage.
 - d. Disconnect wing tie-down.
- ⑧
 - a. Check aileron for freedom of movement and security.







Preflight inspection.



Inside the cockpit.



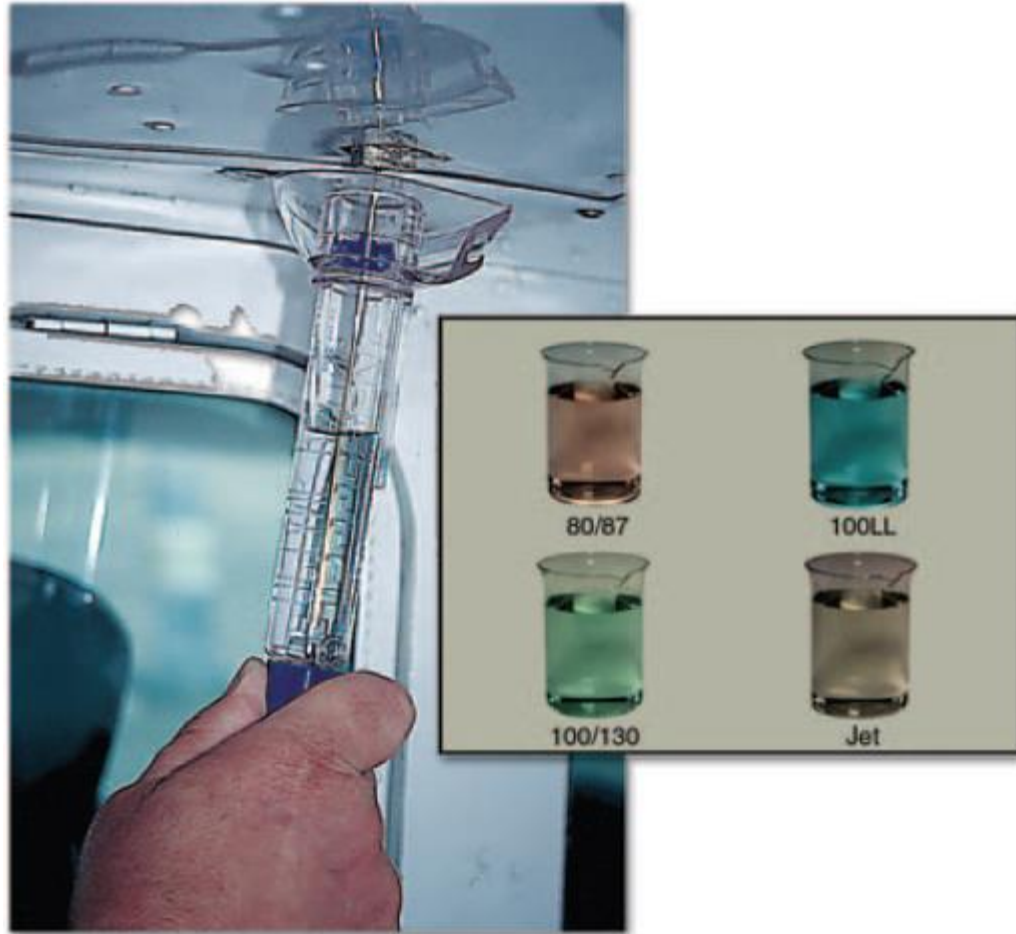
Fuel selector



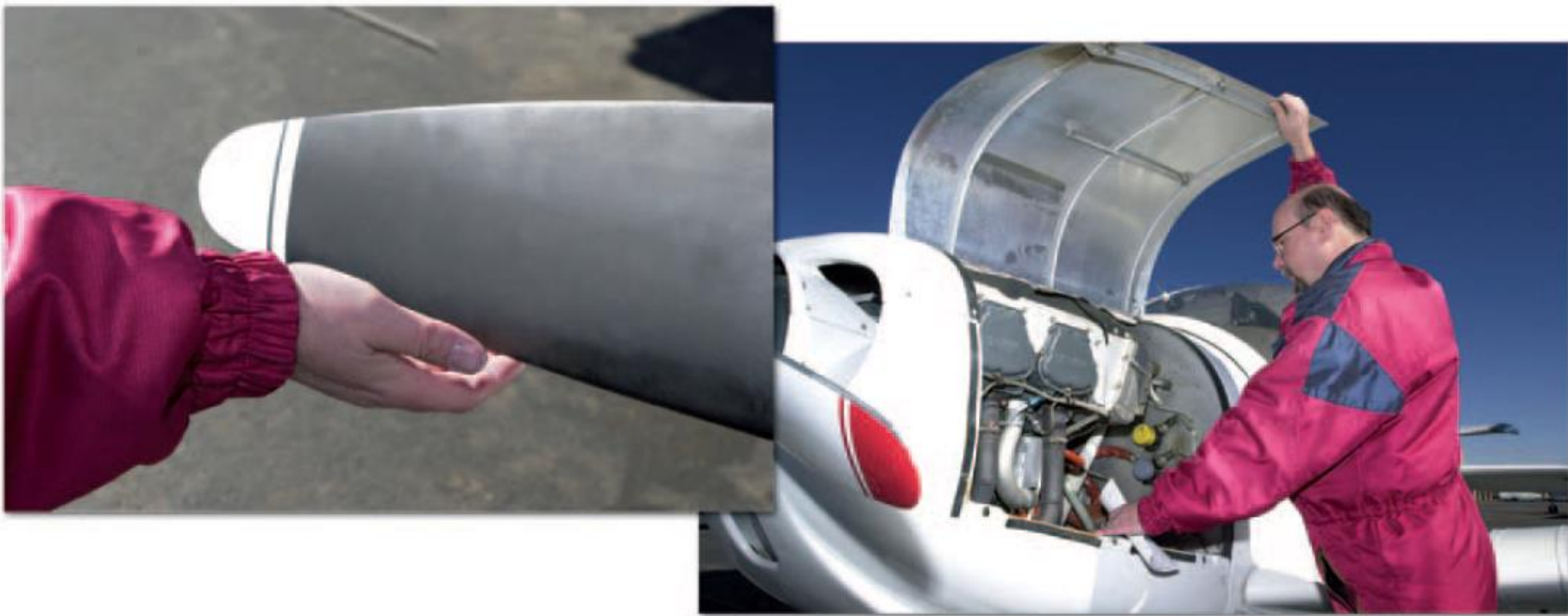
Airspeed indicator, VSI, and magnetic compass.



Wing and tail section inspection.



Aviation fuel types, grades, and colors.



Check the propeller and inside the cowling.