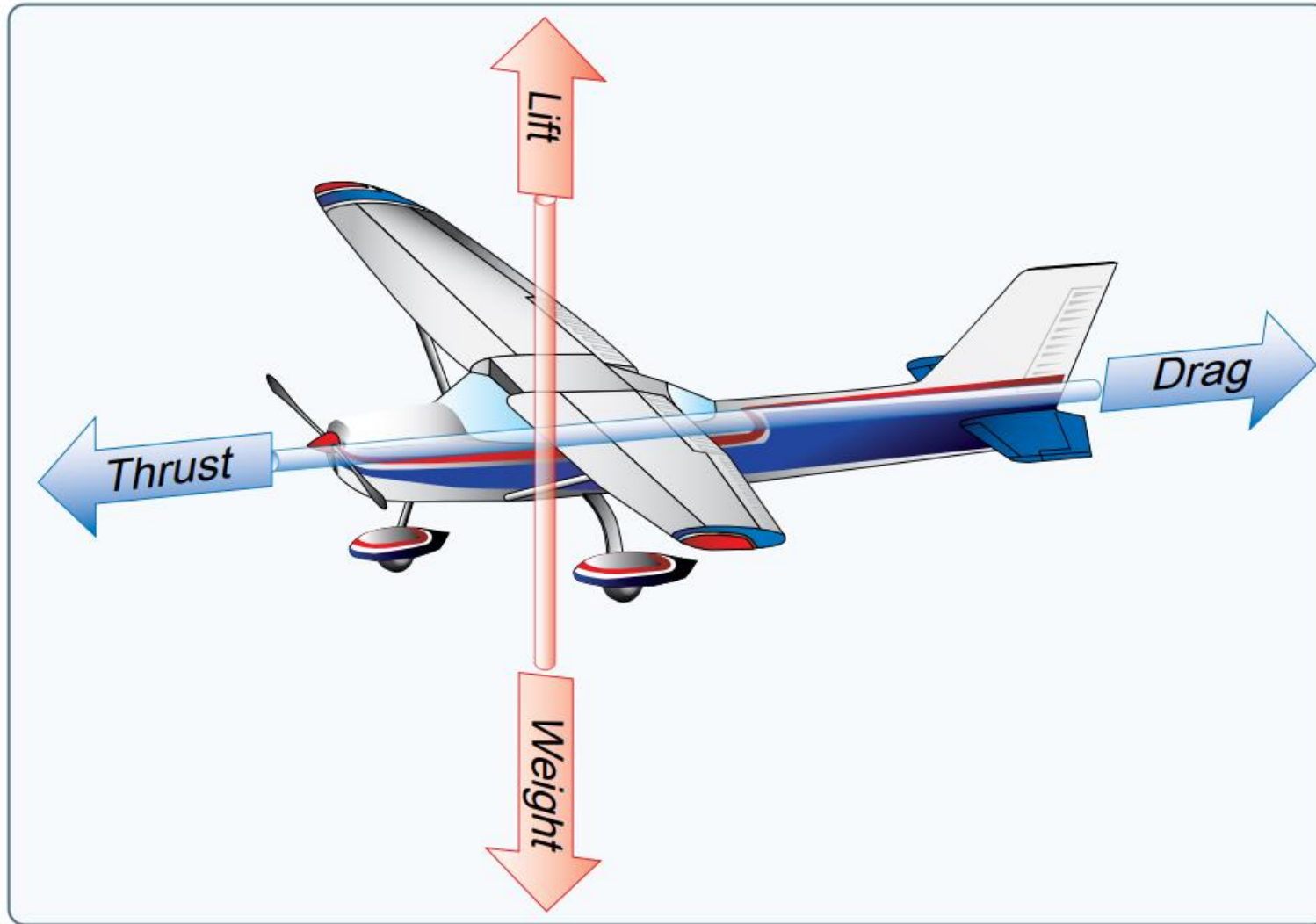


PRIVATE PILOT COURSE

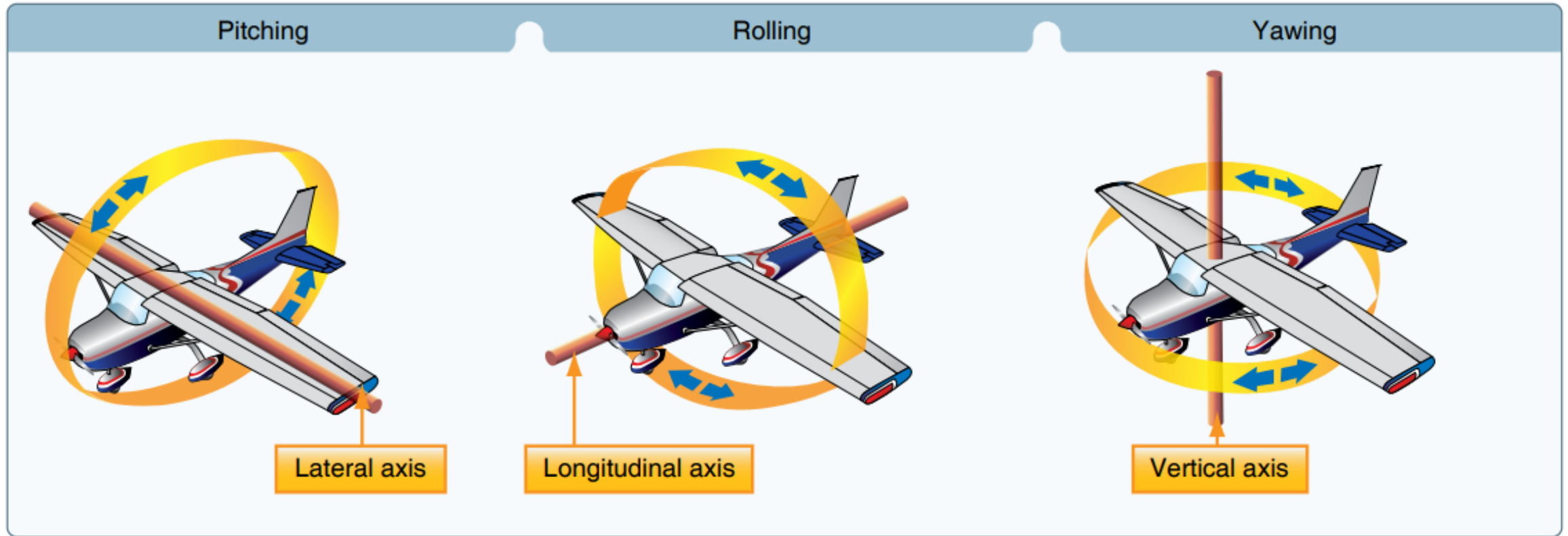
AIRCRAFT CONSTRUCTION



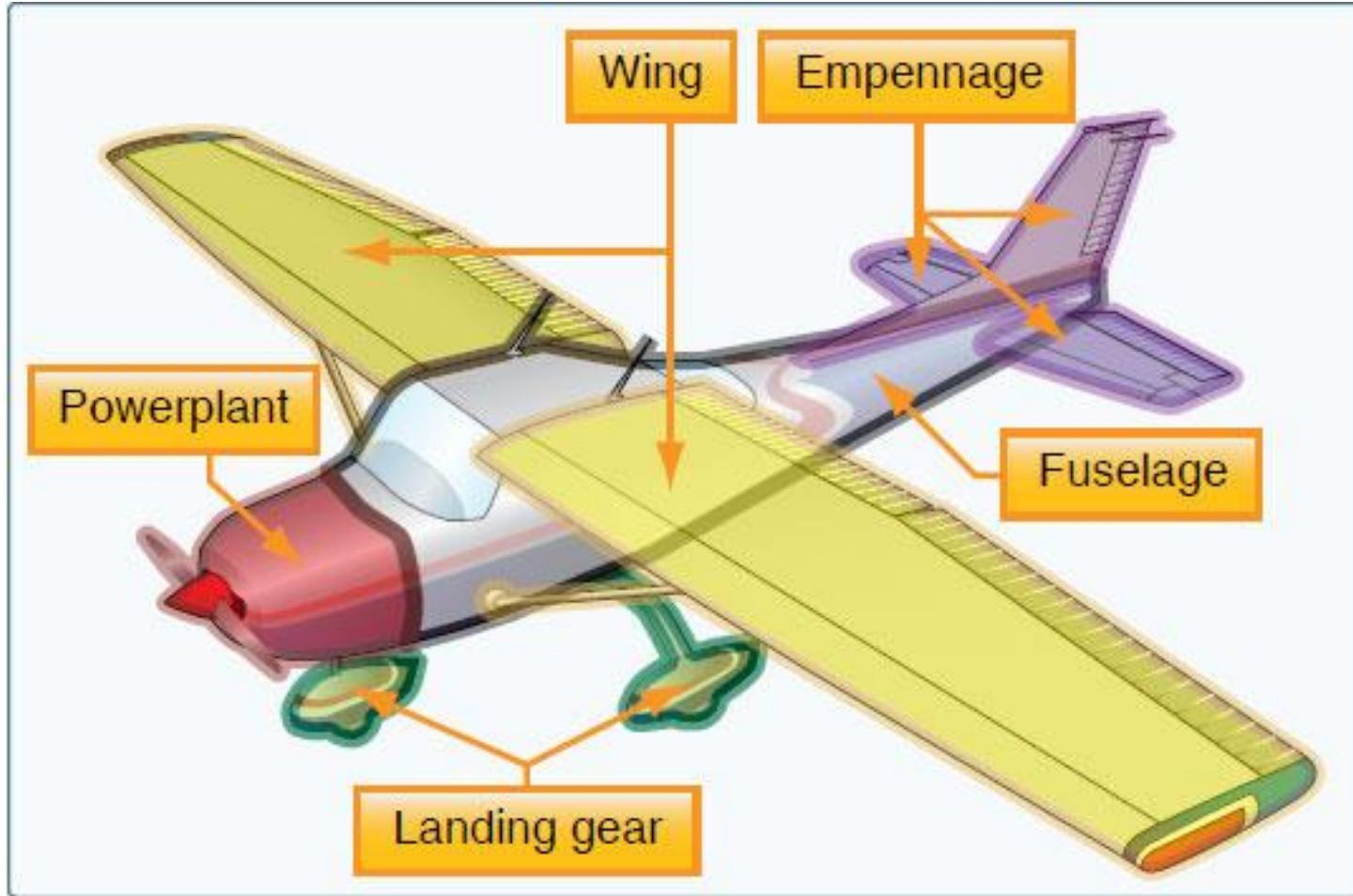
FORCES OF FLIGHT



CONTROL



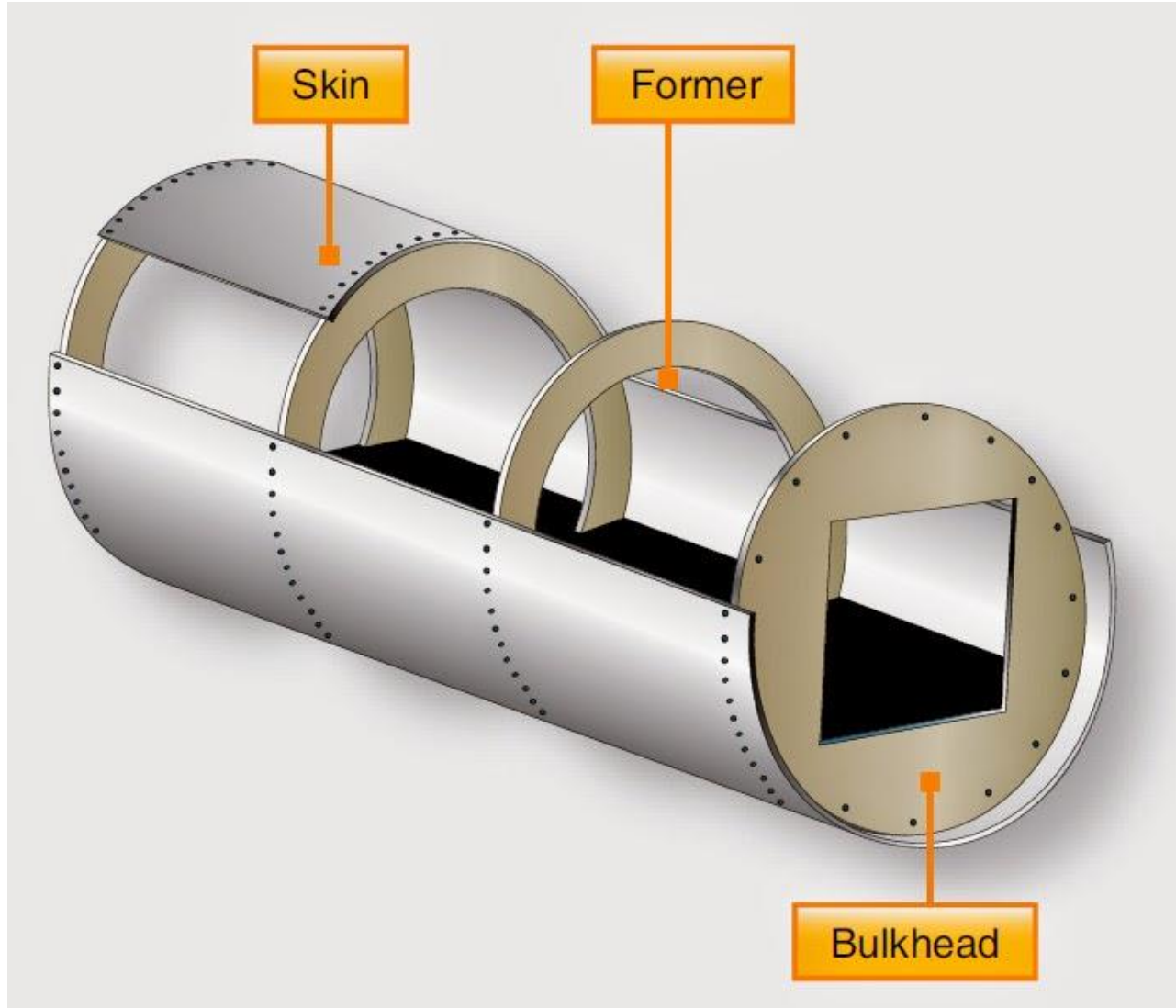
MAJOR COMPONENTS



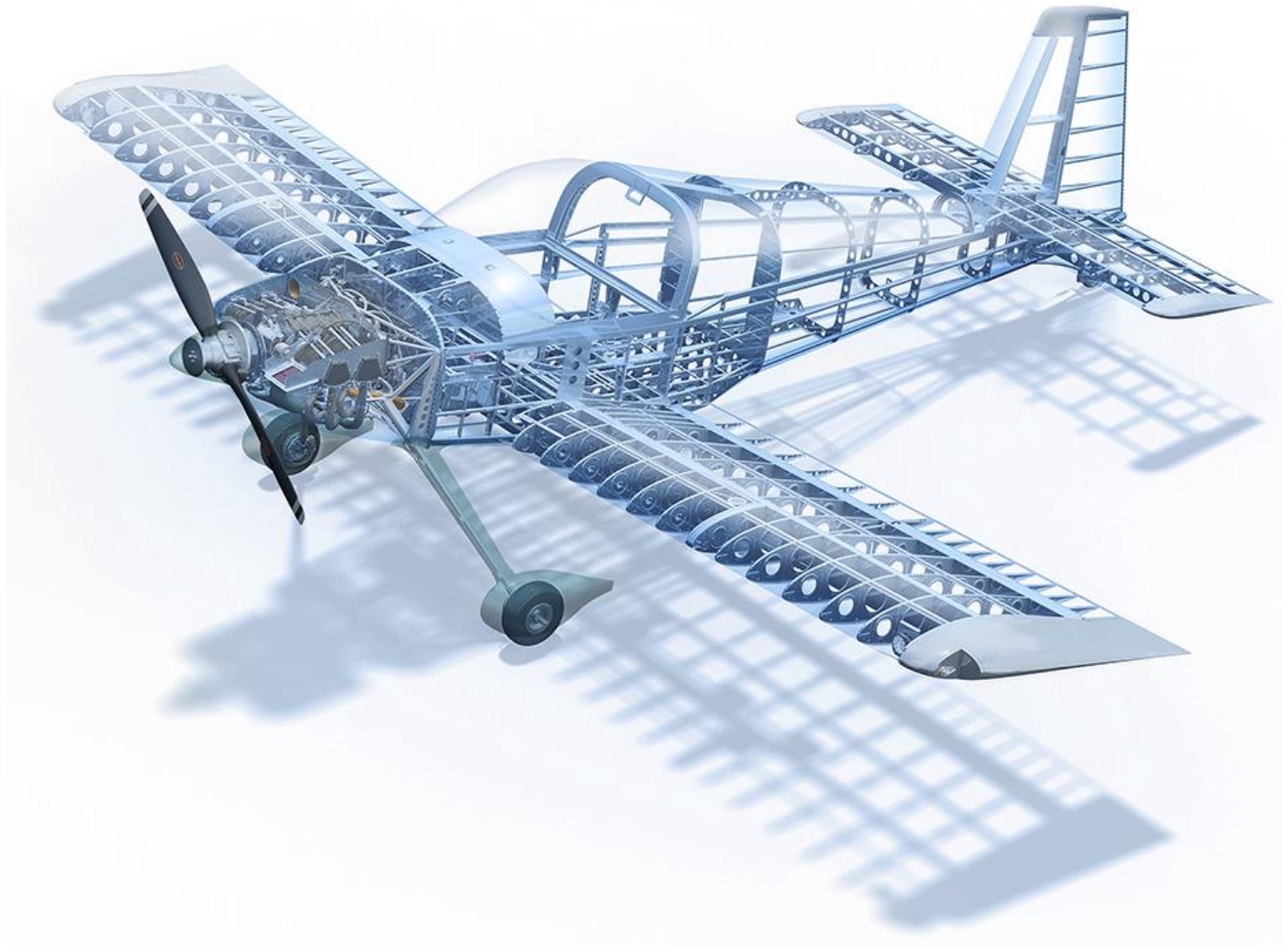
TRUSS-TYPE DESIGN



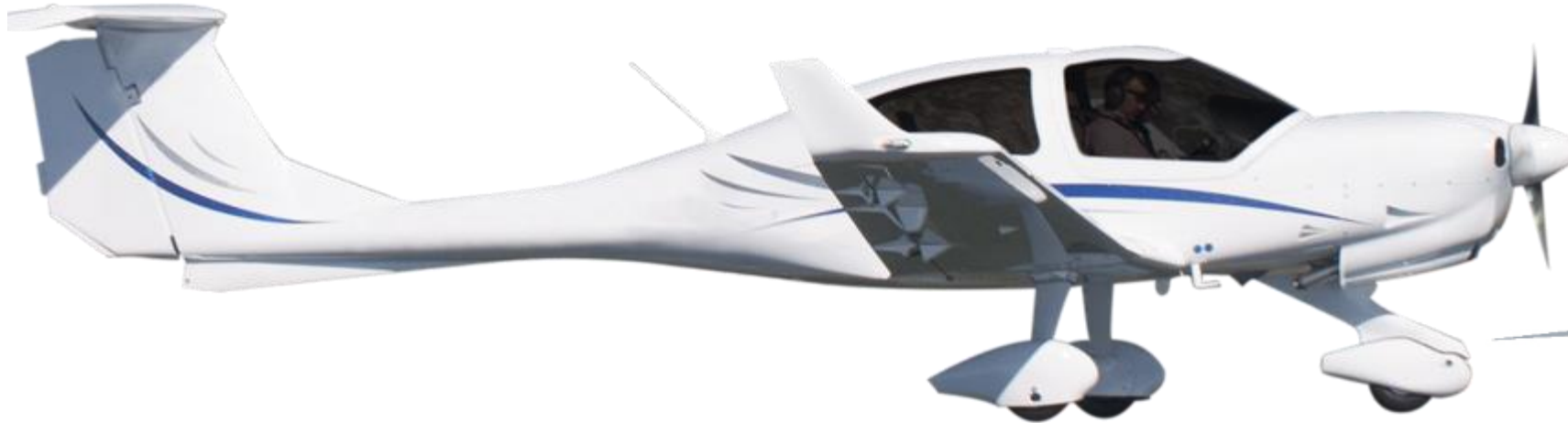
MONOCOQUE DESIGN



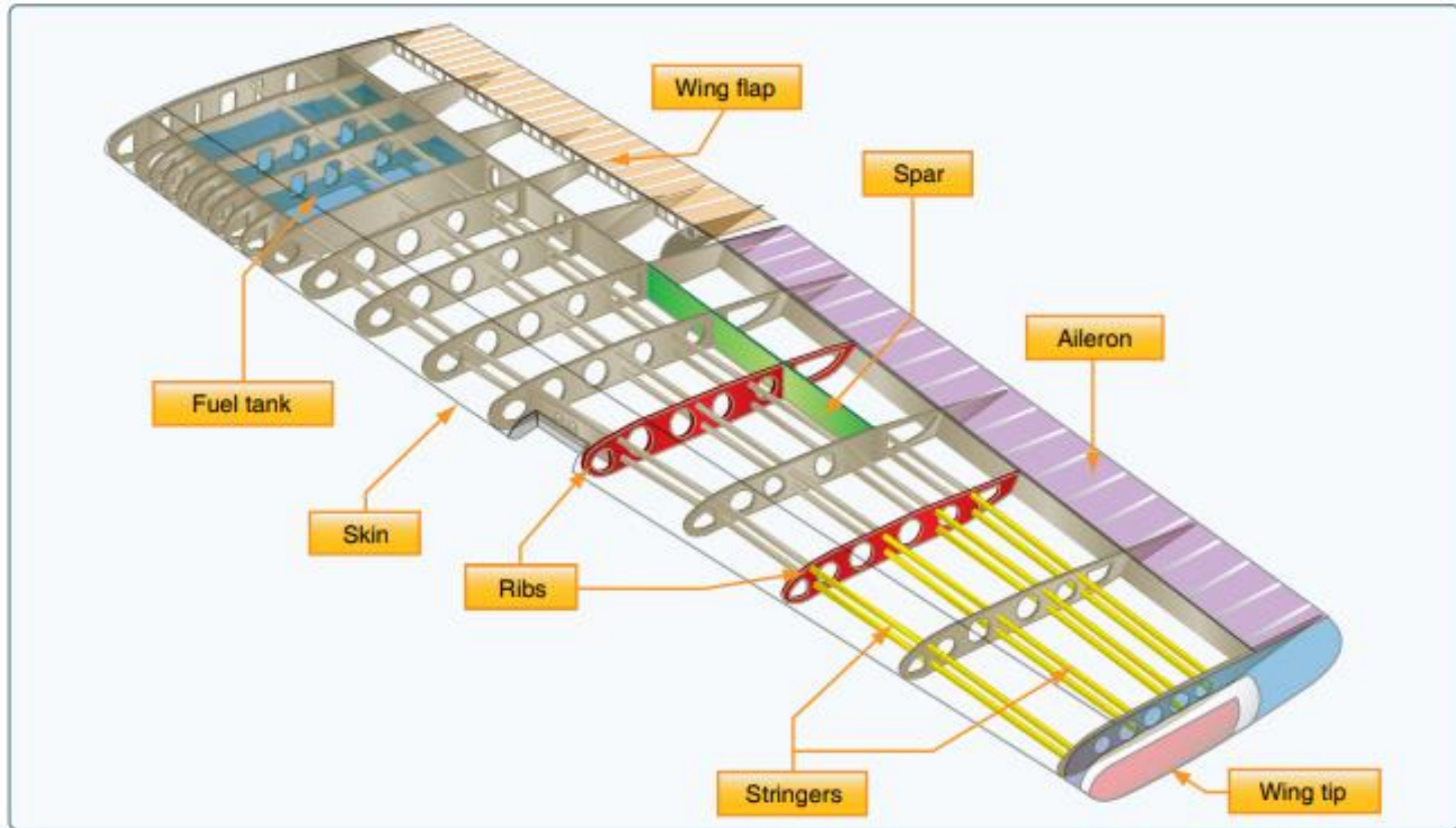
SEMIMONOCOQUE DESIGN



COMPOSITE DESIGN

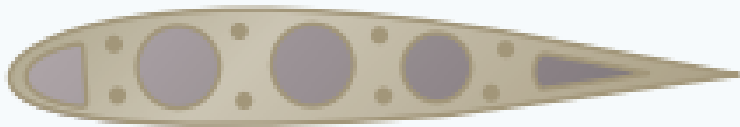


WING COMPONENTS

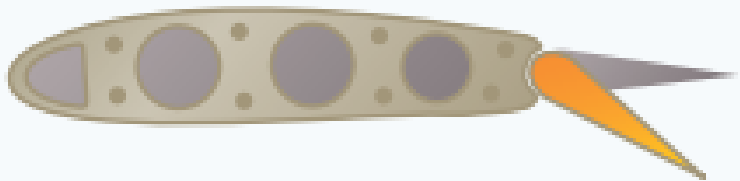


TYPES OF FLAPS

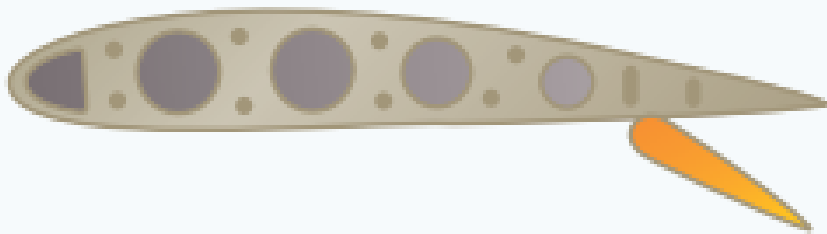
Basic section



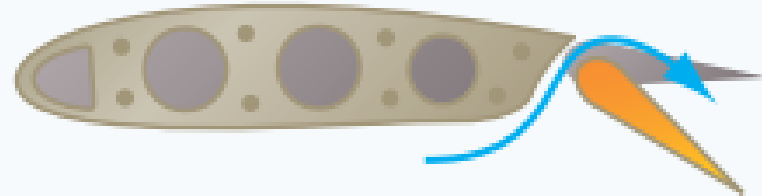
Plain flap



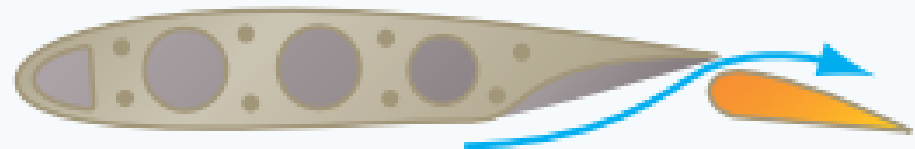
Split flap



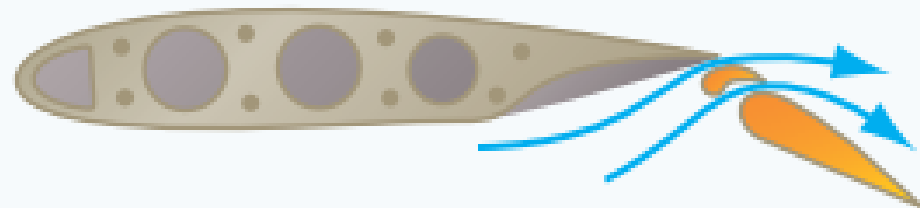
Slotted flap



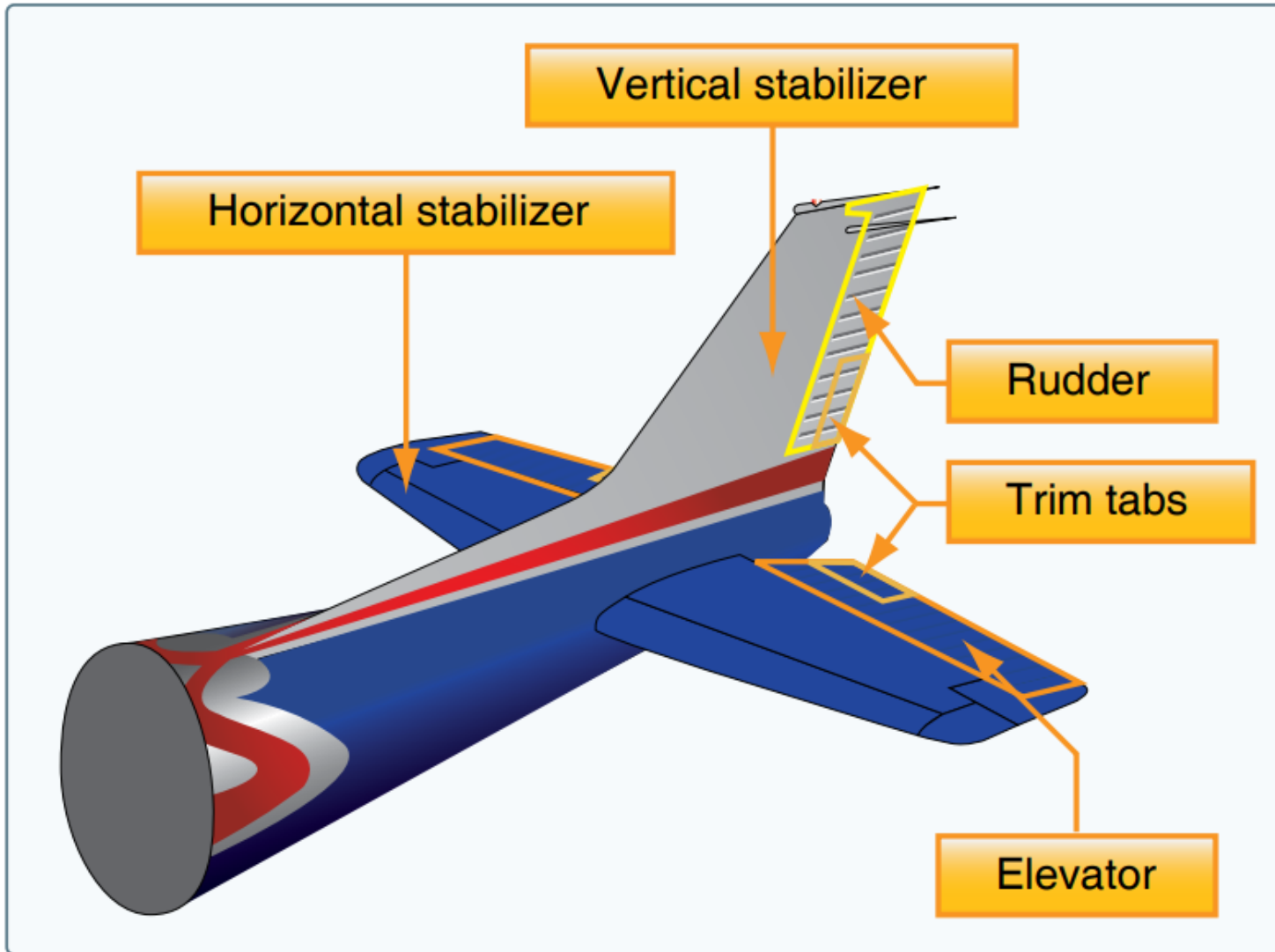
Fowler flap



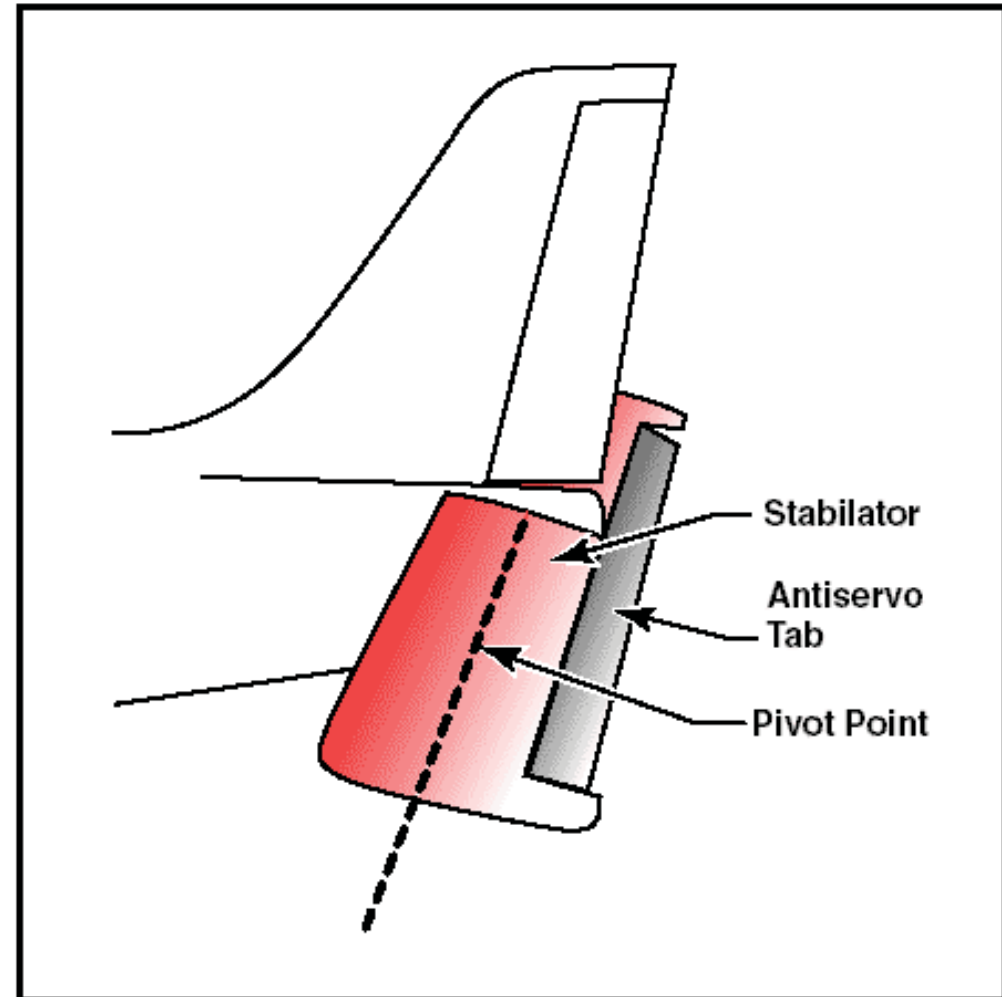
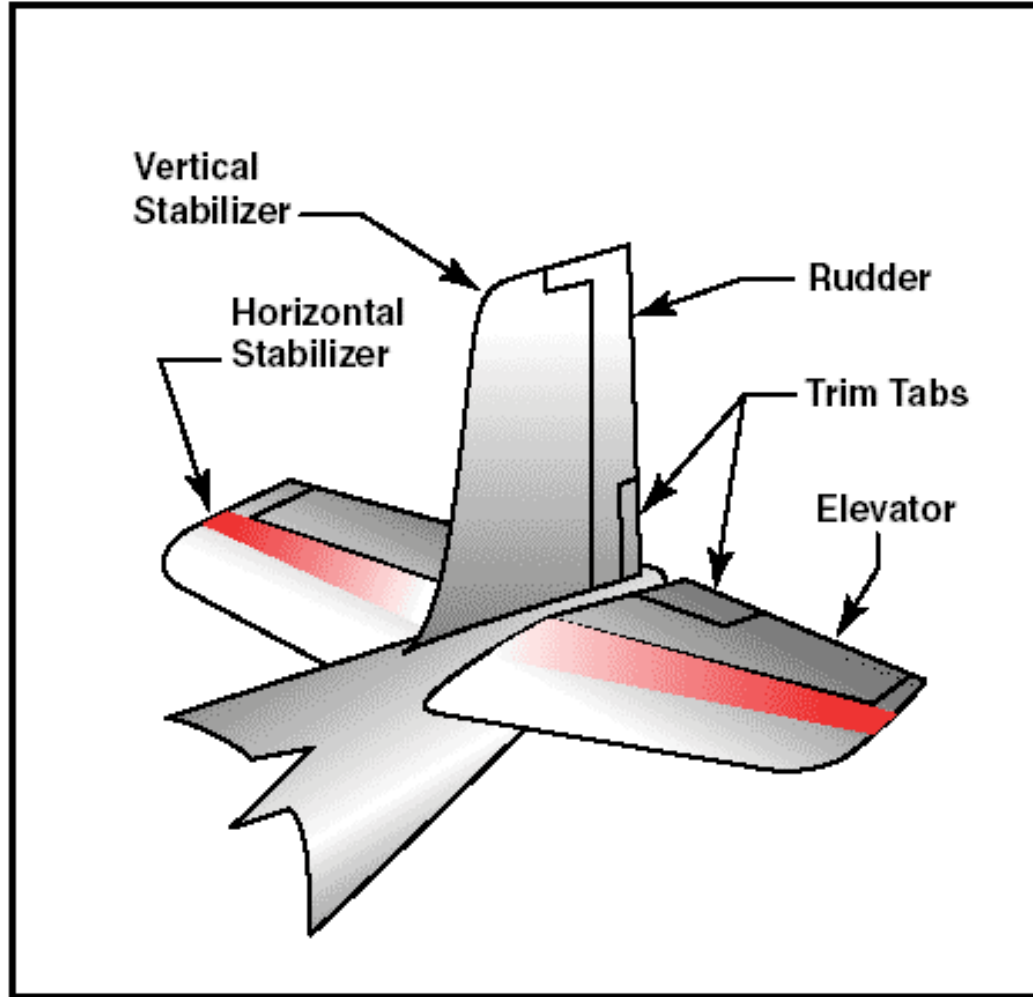
Slotted Fowler flap



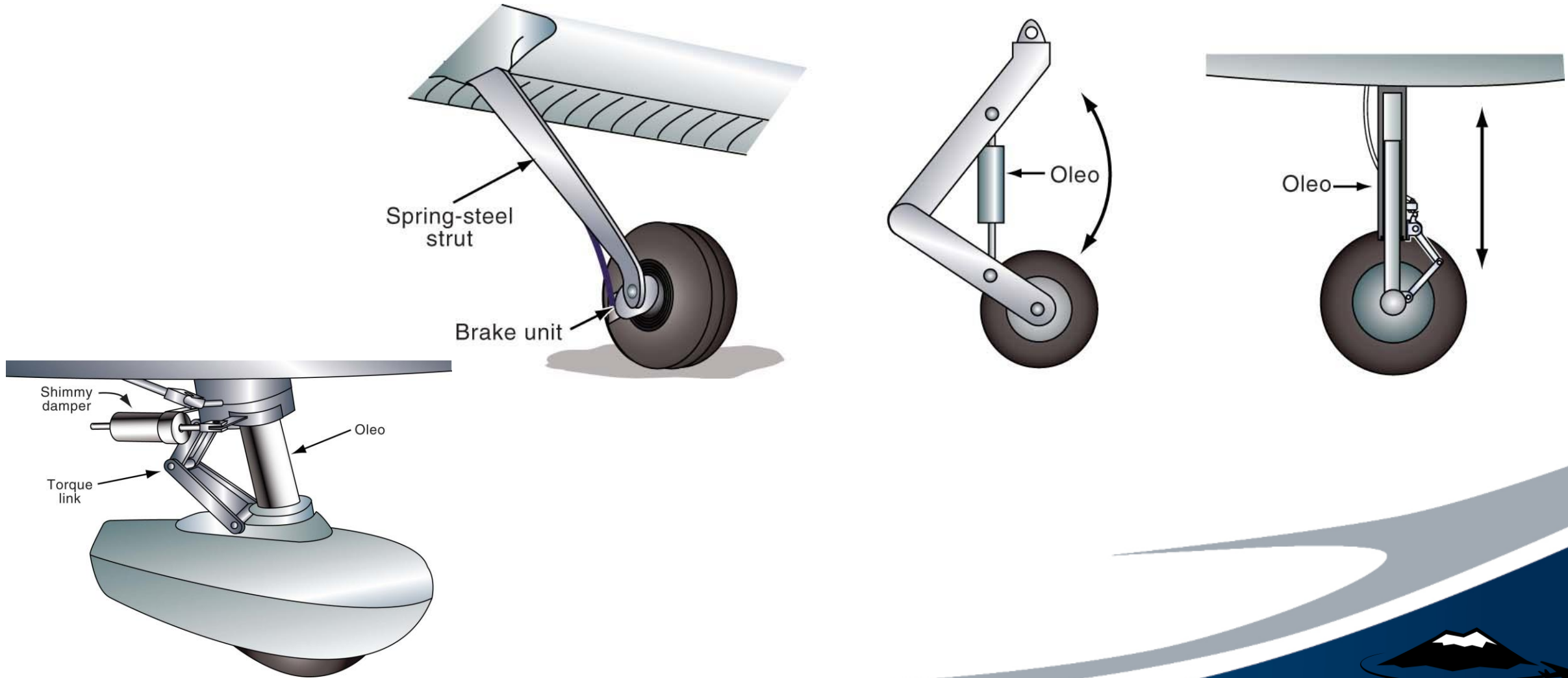
EMPENNAGE COMPONENTS



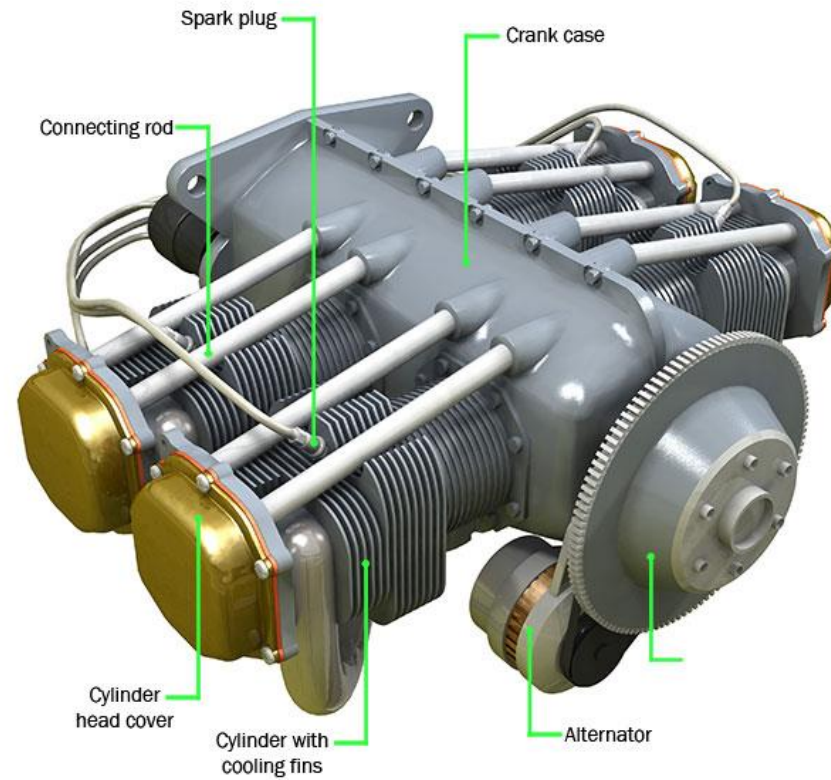
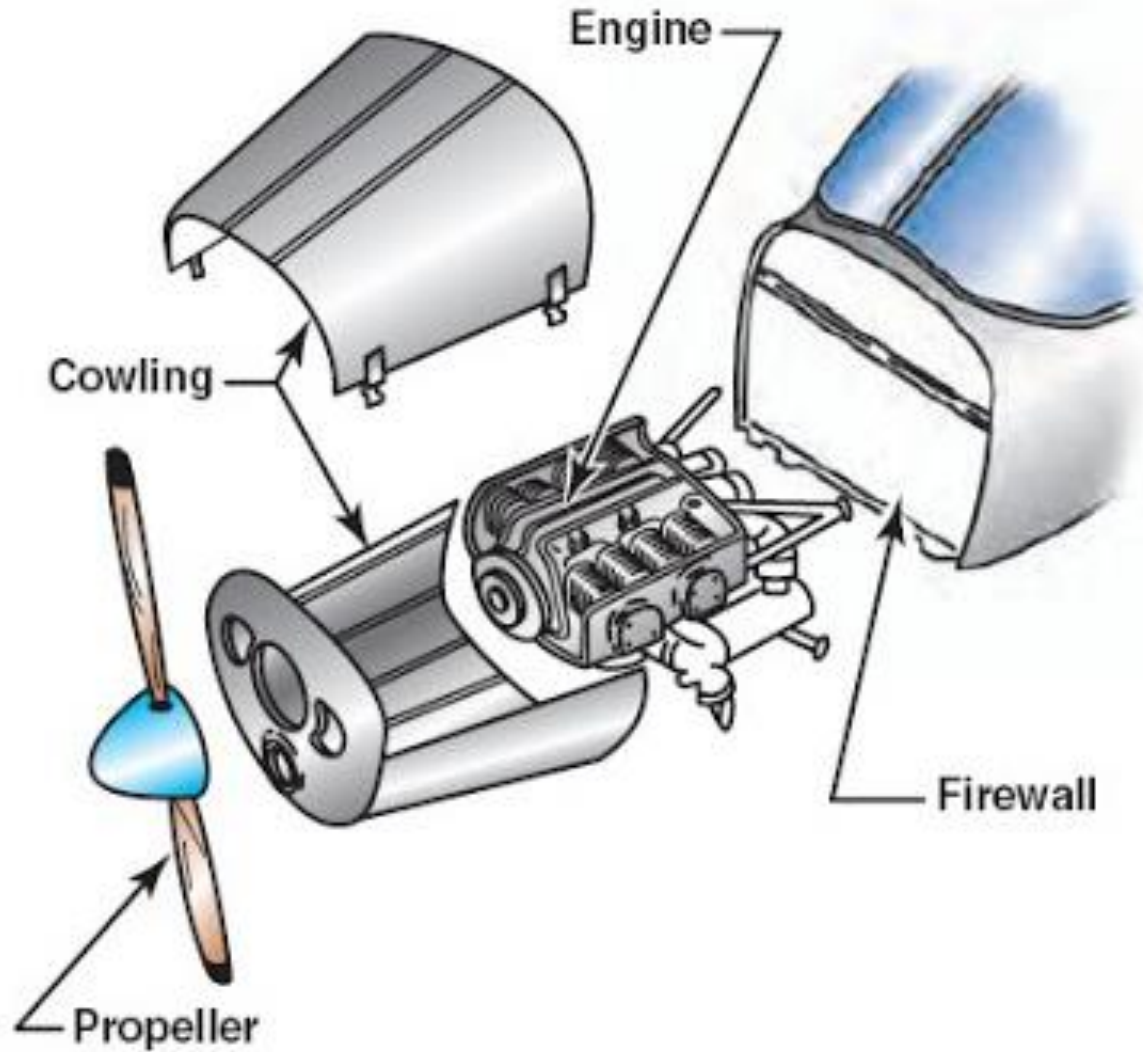
STABILIZER vs STABILATOR



LANDING GEAR



POWERPLANT



ANALOG INSTRUMENTS



The image shows the cockpit of a Skyhawk aircraft, featuring a dual-display instrument panel. The left display shows engine and fuel data, including RPM, oil pressure, and fuel quantity. The right display shows a navigation map with various waypoints and terrain. The center console features a tachometer, altimeter, and airspeed indicator. The right side of the panel includes a quartz clock and a "SMOKING PROHIBITED" sign. The cockpit is equipped with dual throttle levers and a variety of control switches and knobs.

COMMUNICATIONS



NAVIGATION - PILOTAGE

Airway Beacon 61A Lake Point, Utah

Tower remains

Beacon tower base

Tail from CAM-4
(LA-SLC)

Arrow points to
Salt Lake City
airfield

Tail from CAM-18
(SFO-SLC)

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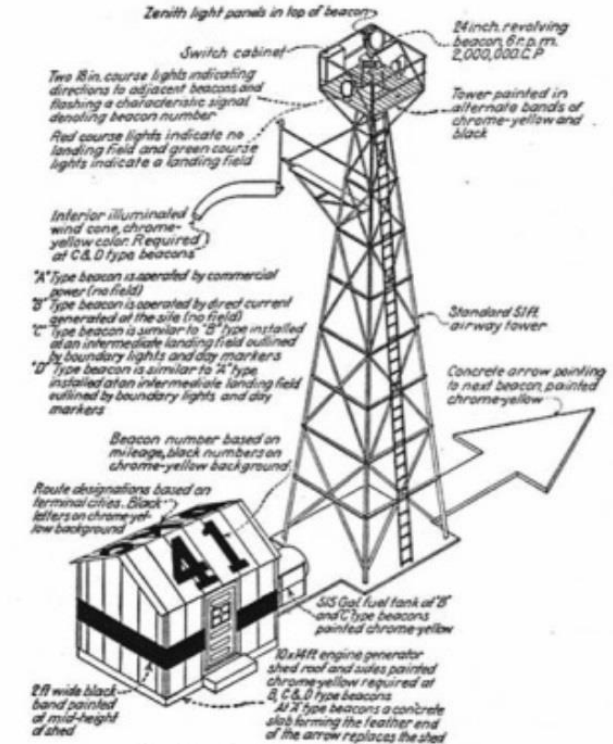
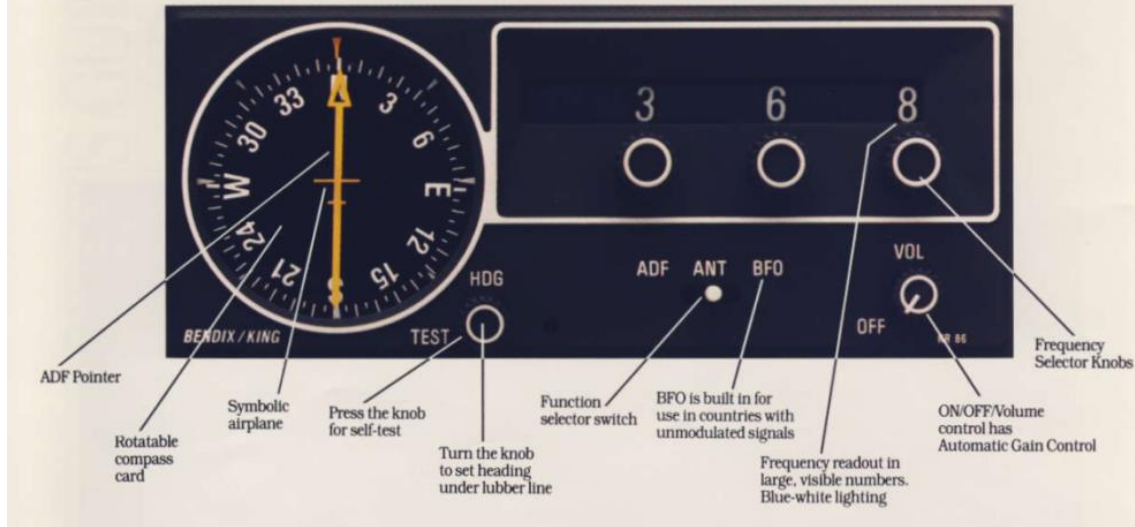


FIG. 301.—Standard installation airways beacon.

NAVIGATION - NDB

Powerful performance at an affordable price



NAVIGATION - VOR



NAVIGATION - GPS



OTHER ANTENNAS



AIRPLANE DOCUMENTS

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION STANDARD AIRWORTHINESS CERTIFICATE			
1 NATIONALITY AND REGISTRATION MARKS N2631A	2 MANUFACTURER AND MODEL PIPER PA-22-135	3 AIRCRAFT SERIAL NUMBER 22-903	4 CATEGORY NORMAL
5. AUTHORITY AND BASIS FOR ISSUANCE <p>This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.</p> <p>Exceptions:</p> <p style="text-align: center;">NONE</p>			
6 TERMS AND CONDITIONS <p>Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.</p>			
DATE OF ISSUANCE 08-10-95	FAA REPRESENTATIVE <i>Marion W. Williams</i> MARION W. WILLIAMS	DESIGNATION NUMBER SW-FSDO-OKC	
Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.			
FAA Form 8100-2 (8-82)		GPO 892-804	

REGISTRATION NOT TRANSFERABLE	
UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION CERTIFICATE OF AIRCRAFT REGISTRATION	
NATIONALITY AND REGISTRATION MARKS N 12345	AIRCRAFT SERIAL NO. 6969
MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT CESSNA C-150L	
ICAO Aircraft Address Code:	
I S U E D T O ROBERT E. BARO 300 MOERKLE ST ANYTOWN, OHIO 12345	This certificate is issued for registration purposes only and is not a certificate of title. The Federal Aviation Administration does not determine rights of ownership as between private persons.
It is certified that the above described aircraft has been entered on the register of the Federal Aviation Administration, United States of America, in accordance with the Convention on International Civil Aviation dated December 7, 1944, and with the Federal Aviation Act of 1958, and regulations issued thereunder.	
DATE OF ISSUE February 15, 1995	<i>David Hinson</i> ADMINISTRATOR
AC Form 8050-3(11/93) Supersedes previous editions	

