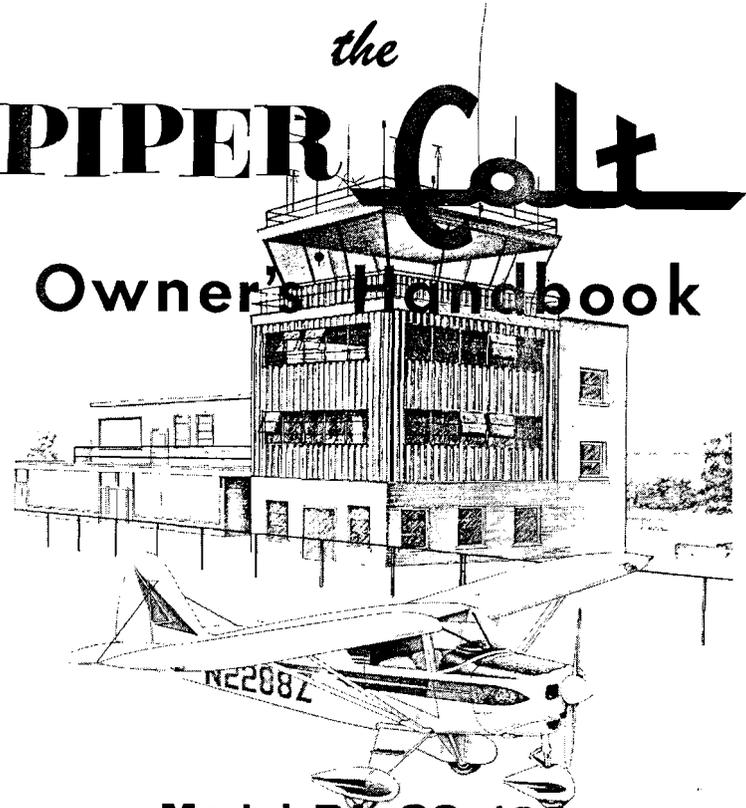
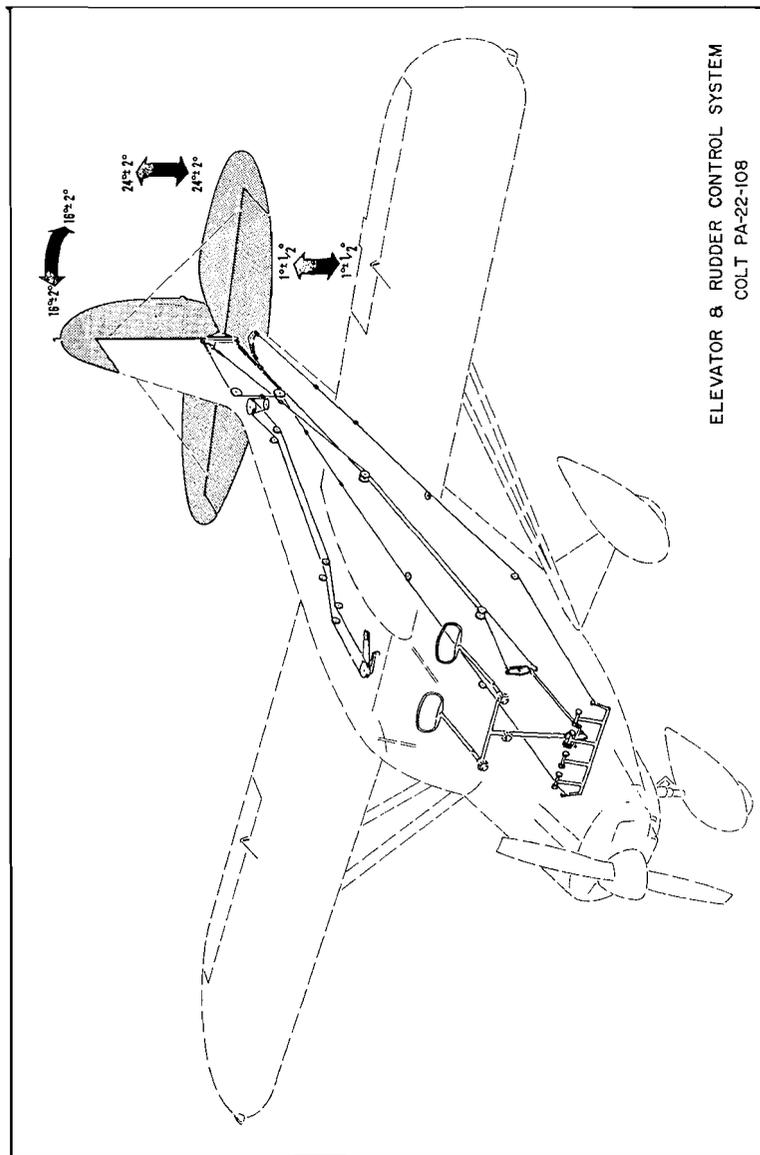


the
PIPER Colt
Owner's Handbook



Model PA-22-108

**Piper Aircraft Corporation, Lock Haven, Pa.
U. S. A.**



tow bar available as optional equipment for ground handling. The tow bar is stowed in the baggage compartment.

FUEL SYSTEM

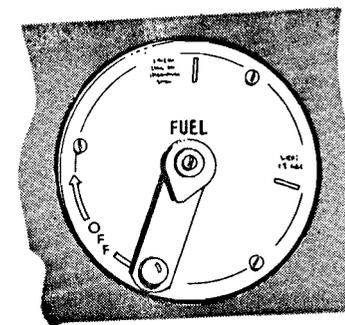
The fuel for the Colt is carried in an eighteen gallon fuel tank located in the inboard end of the left wing. Outlet lines at the front and rear of the main tank provides positive flow in all normal flight attitudes. As optional equipment an auxiliary tank, located in the right wing, provides an additional eighteen gallons of fuel. The auxiliary tank must be used in **LEVEL FLIGHT ONLY**. The main or auxiliary tank are drained individually, according to the position of the fuel selector valve on the left forward cabin wall.

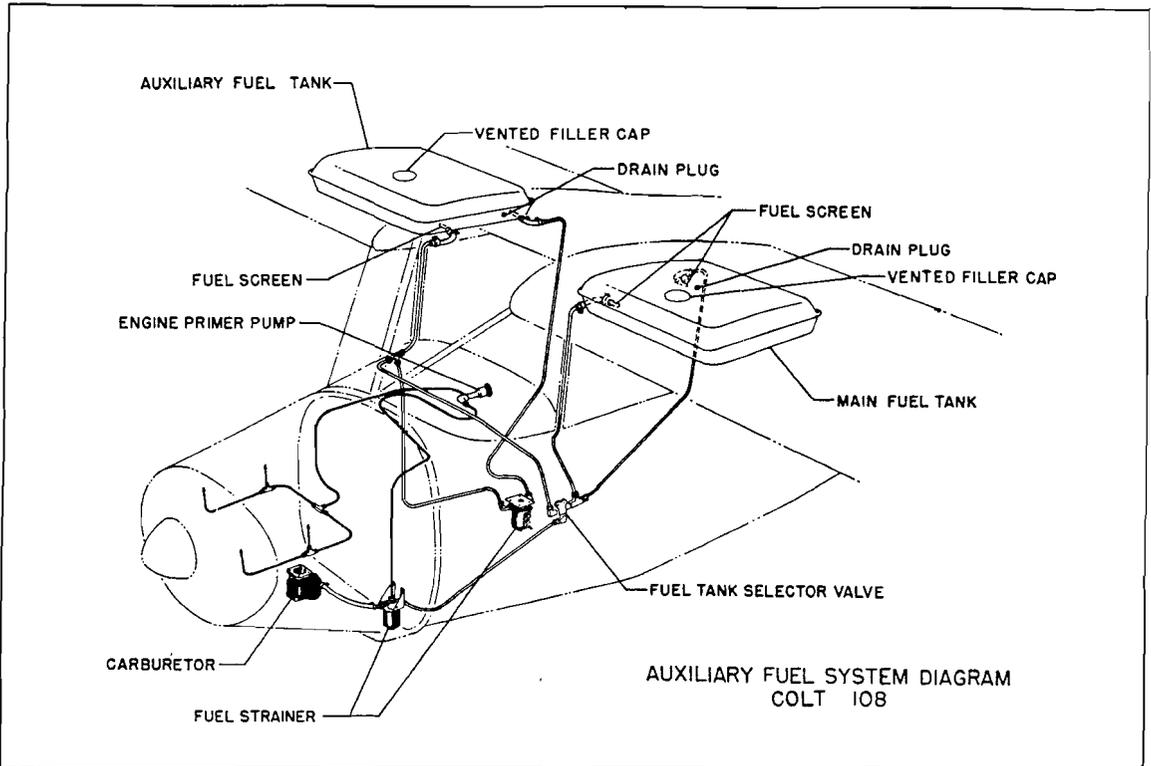
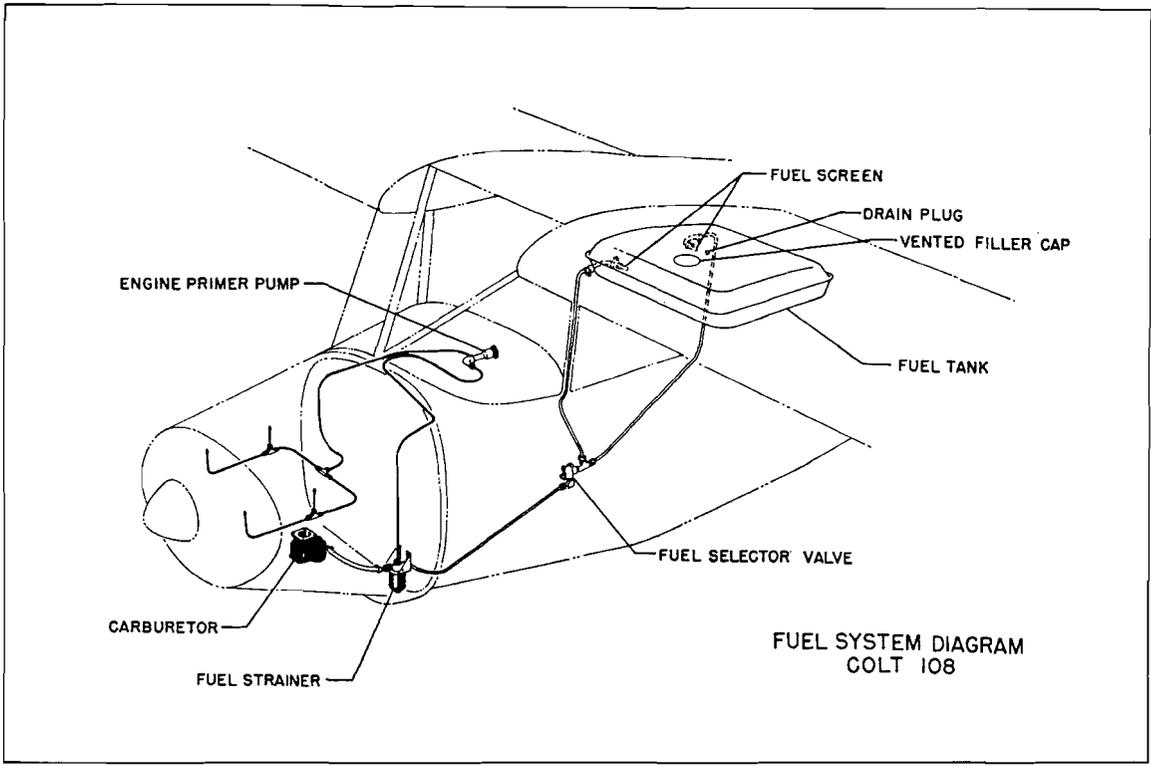
The rear fuel line from the auxiliary tank has a low point under the right front seat at which point is located a quick drain gascolator. The drain in this gascolator, which should be checked frequently for water or sediment, is reached through an opening in the right landing gear belly fairing.

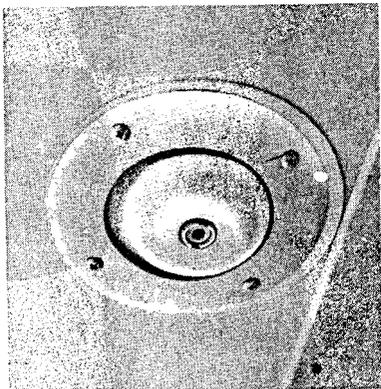
An electric fuel gauge for each tank is located on the instrument panel.

The main fuel strainer, through which all fuel going to the carburetor flows, is located on the lower left engine side of the firewall. It is provided with a quick drain and should be drained regularly.

The engine primer pump on the right side of the instrument panel takes fuel from the







main gascolator and pumps it directly to all four cylinders of the engine. To prevent rich operation of the engine the primer must be locked in at all times except when in use.

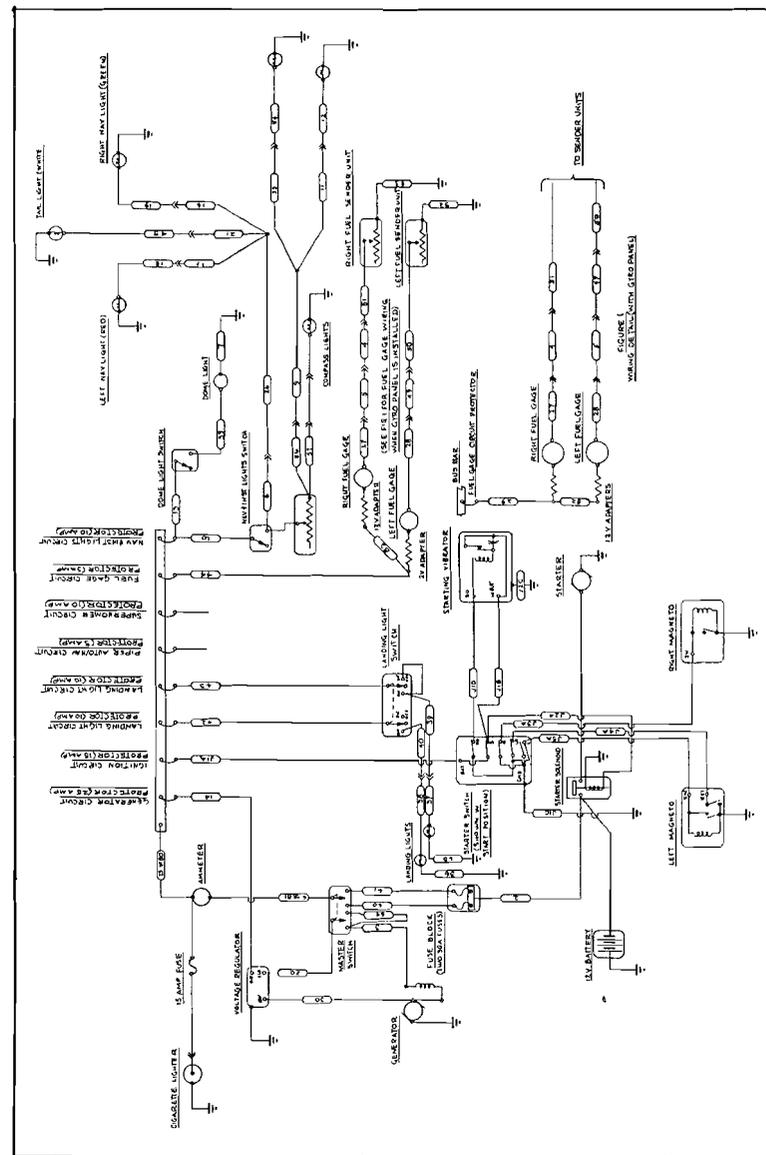
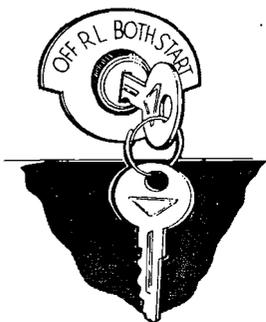
An idle-cut-off is incorporated in the carburetor so that full extension of the mixture control will stop the flow of fuel at the carburetor. The mixture control

should always be used for stopping the engine.

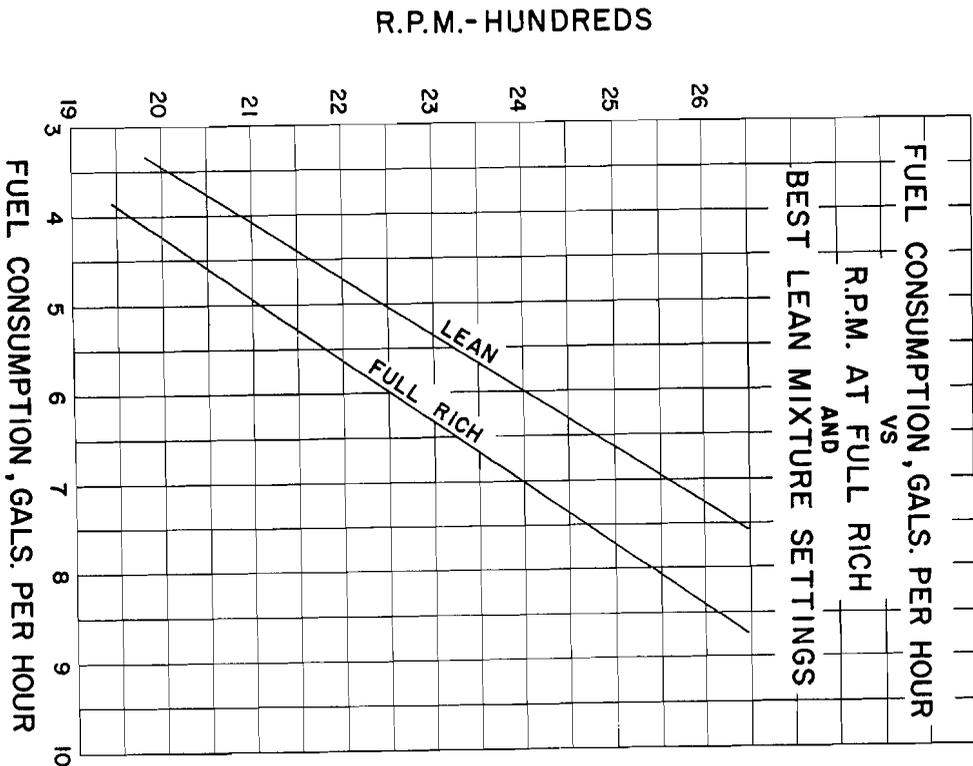
ELECTRICAL SYSTEM

Electrical power for the Colt is supplied by a 12 volt, direct current system. For all normal operations, power is provided by a 12 volt, 25 ampere generator. A 12 volt, 24 ampere hour battery is used in the system to furnish power for starting and as a reserve power source in case of generator failure. The battery is located under the right seat in a sealed stainless steel battery box.

Electrical switches and circuit breakers for the different systems are located on the lower left instrument panel. The circuit breakers automatically break the electrical circuit if an overload is applied to the system, preventing damage to the component and wiring. To reset the circuit breakers simply push in the reset button. Allow approximately



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