

INSTRUCTIONS
For the
CARE and OPERATION
Of
MODEL A-I-E
Hispano-Suiza
AERONAUTICAL
ENGINES



Wright-Martin
Aircraft Corporation

New Brunswick,

New Jersey, U.S.A.

PART VIII

GASOLINE SYSTEM

Kind of Gasoline to Use.

Gasoline of about 58° Baumé is recommended.

Location of Gasoline Tank for Gravity Feed.

The Gasoline tank may be placed in any convenient location, but if gravity feed is used, should be so arranged to give 1 to 2 pounds head at the carburetor for any position of the machine in flight.

Caution—Filling the Gasoline Tank.

In filling the tank always pour the gasoline through a chamois skin or some other device to free it from water and other impurities.

Gasoline Pressure System.

An air pressure pump is provided on the left cylinder cover, which is operated by one of the cams. If this pump is used to keep pressure on the gasoline, a relief valve should be placed in the line in order to maintain a pressure of not over 2 lbs. at the carburetor. The relief valve should be designed so that it can be adjusted during flight to correct for difference in altitude.

When a pressure system is used, always make sure there is pressure in the tank before trying to start the engine. This initial pressure is obtained by a hand pump, there being a gauge on the dash to register the amount of pressure.

Gasoline Vacuum System.

A vacuum system may be used to draw the gasoline from the main tank to an auxiliary tank. The gasoline feeding from the auxiliary tank to the carburetor by gravity. For the location of the gravity feed tank follow the instruction above under that topic.