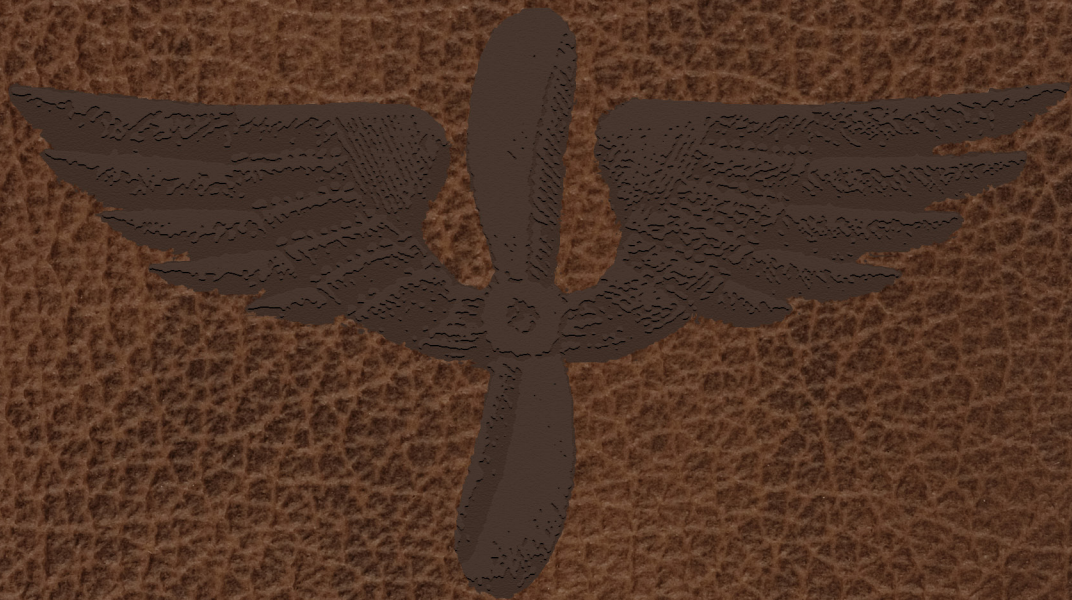
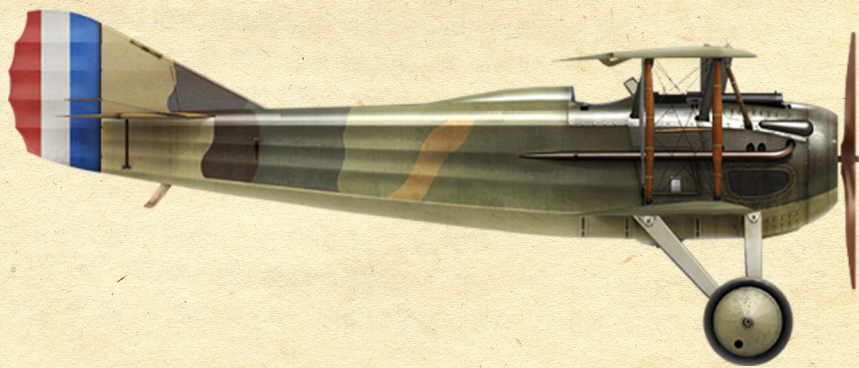
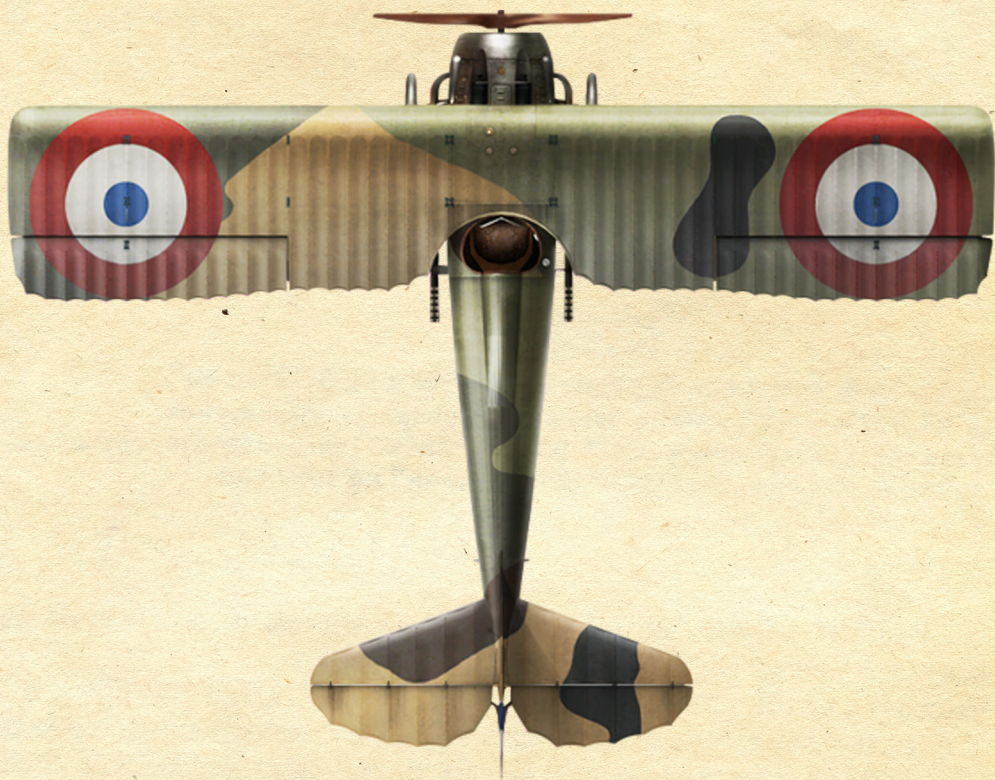


SPAD X.III

Pilot notes



Issue 1 July 1918



Specifications

Engine	V8 Hispano-Suiza 8Ba
Power (h.p.):	220
Height (mm):	2600
Length (mm):	6250
Wing span (mm):	8080
Wing surface (sq.m.):	20.2
Empty weight (kg):	565
Takeoff weight (kg):	820
Fuel capacity (l):	113.5
Oil capacity (l):	17
Climb rate	
1000 m —	2 min. 38 sec.
2000 m —	5 min. 28 sec.
3000 m —	8 min. 57 sec.
4000 m —	13 min. 24 sec.
5000 m —	19 min. 30 sec.

Maximum airspeed

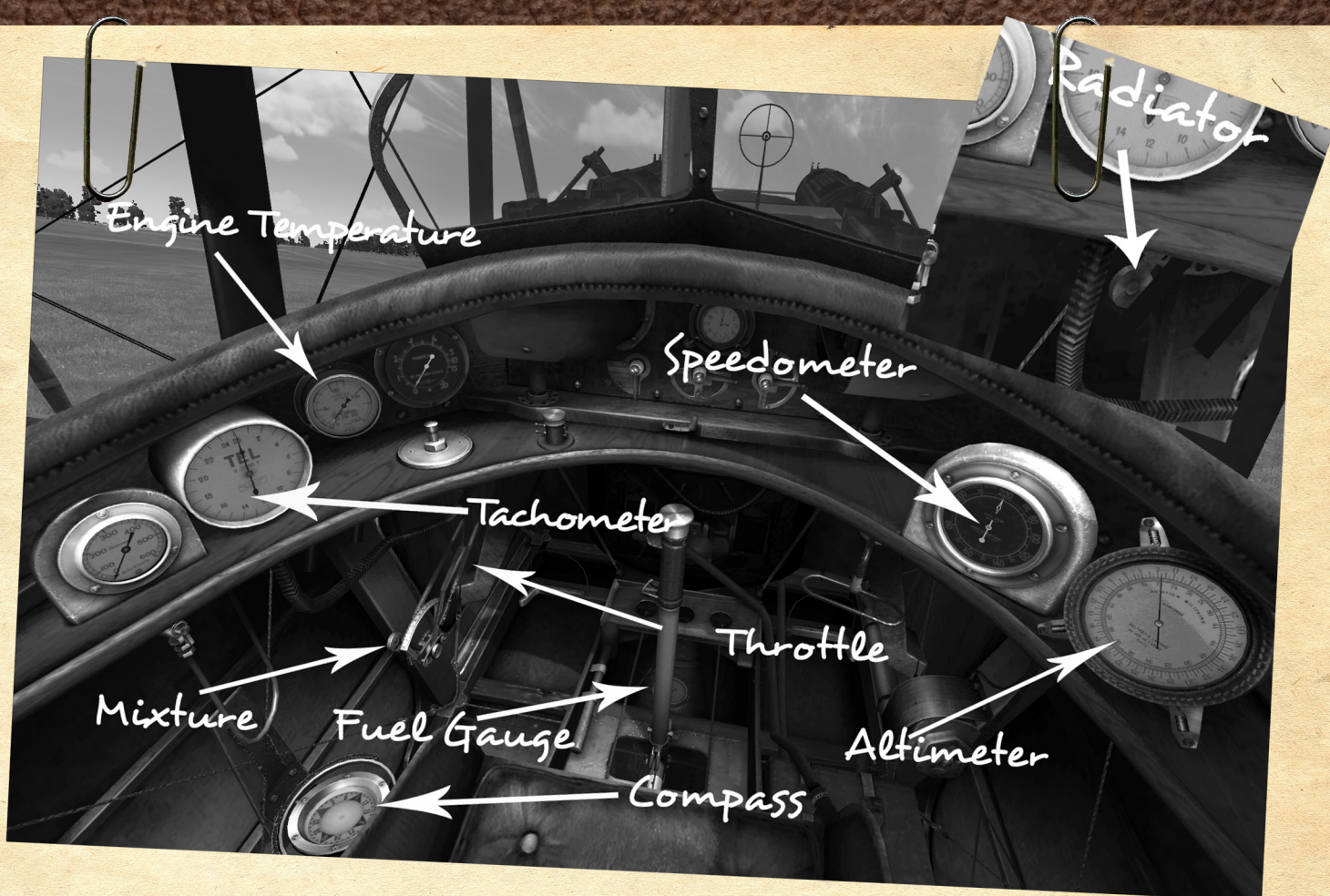
(IAS: km/h)	
sea level —	220
1000 m —	208
2000 m —	195
3000 m —	181
4000 m —	167
5000 m —	153
Service ceiling (m)	6800

Endurance

(h.,min.) at 1000m

combat —	1 h. 30 min.
cruise —	3 h.

Armament 2xVickers Mk.I 7.69mm, 400 rounds per barrel.



Starting Procedure.

Check Fuel Quantity

Check Control Surfaces

Mixture to Full Rich (lever full back)

Throttle to idle (full forward)

Switch on (Default key E)

Run engine at 900 rpm

Lean for max revs

When engine has reached 50 degrees it is at
running temperature.

Pilot notes.

Once engine has warmed (50 degrees) open the radiator (handle forwards) to maintain a steady temperature and taxi to face into the wind.

Apply full power. Raise the nose. The SPAD XIII will attain flying speed at around 100kph.

Flying Characteristics.

The Spad is probably the fastest scout yet built. Accordingly it also has an excellent climb rate. Climbs are best performed at around 110 - 120 kph.

The Spad XIII will stall at approximately 80 kph. Spins are both easy to enter and exit. The prescribed method being Engine off, full rudder and aileron into the direction of the spin.

The Spad is also one of the fastest divers. Provided engine revs are kept below 2100 rpm the Spad XIII will dive in speeds of excess 230 kph. Any vibration felt in the controls whilst diving indicates imminent structural failure.

Combat notes.

Although exceedingly fast, the Spad XIII does not lend itself to turn fighting. Its thin wings will stall during hard turns and its weight will hinder fast maneuvers.

Instead the pilot should make use of both his speed and climb advantage. Perform diving, slashing attacks on the enemy. If executed correctly the Spad XIII is almost invulnerable.

Pilots can also make use of its fantastic diving ability to shake off any pursuer. The Spad XIII is almost impossible to catch in a dive.