

# **MEMO**

## **HIGH ALTITUDE**

**NO. 6**

**DATE: 04/08/97**

**RE: HIGH ALTITUDE**

All internal combustion engines loose 3.5 % of their horsepower per thousand feet above sea level.

Example: 20 Horsepower X .035 = .70 X 4 (four equals four thousand feet) = 2.80 Horsepower loss.

**20 Horsepower - 2.80 HP loss = 17.2 Horsepower at 4000 feet**

From 2000 to 5000 feet above sea level, all that is required is to drop one inch of pitch from the propeller to accommodate the horsepower loss.

Above 5000 feet above sea level, carburetors have to be re-jetted. This is not required below 5000 feet above sea level.