

Newsletter Factoids **(and other IFNWK)**

1. Did you know that the piston in a typical 60 size 2 stroke engine running at 12,000 RPM reaches a maximum velocity of about 40 MPH and that it takes about .00125 seconds to get there from a standing stop?

If you could get the same acceleration in you car, you could go from 0 to 31,000 MPH in 1 second.

2. For the same engine, did you know that for a typical 10 minute flight where the engine is running at 12,000 RPM, the piston will travel for a total distance of 3.28 Miles?

If the plane is flying at an average speed of 60 MPH during the 10 minute flight, the total distance traveled by the plane is only 3 times the total distance traveled by the piston.

3. Did you know that a 2 cycle engine gets air from the carburetor to the crankcase through a hollow crankshaft, and that the crankshaft has a "scoop" to get the right amount of air into the engine per revolution? In a K&B engine, the size of the "scoop" measures .387"x.615". At 12,000 RPM the scoop is open for .002 seconds to receive air.

The blink of a human eye has been accurately measured at .5 seconds. This is 250 times slower than the time the intake "scoop" is open to get air into the engine!