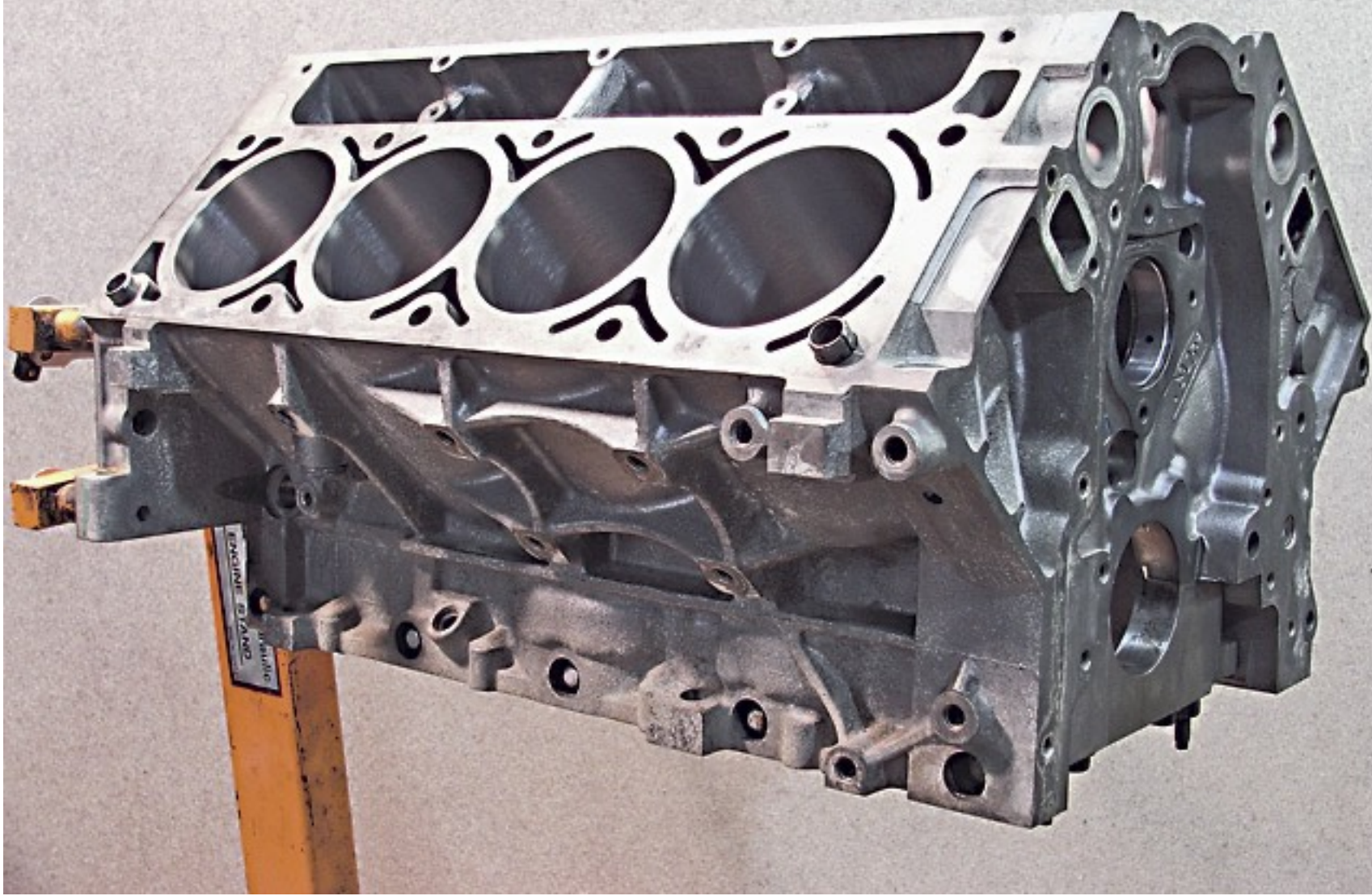


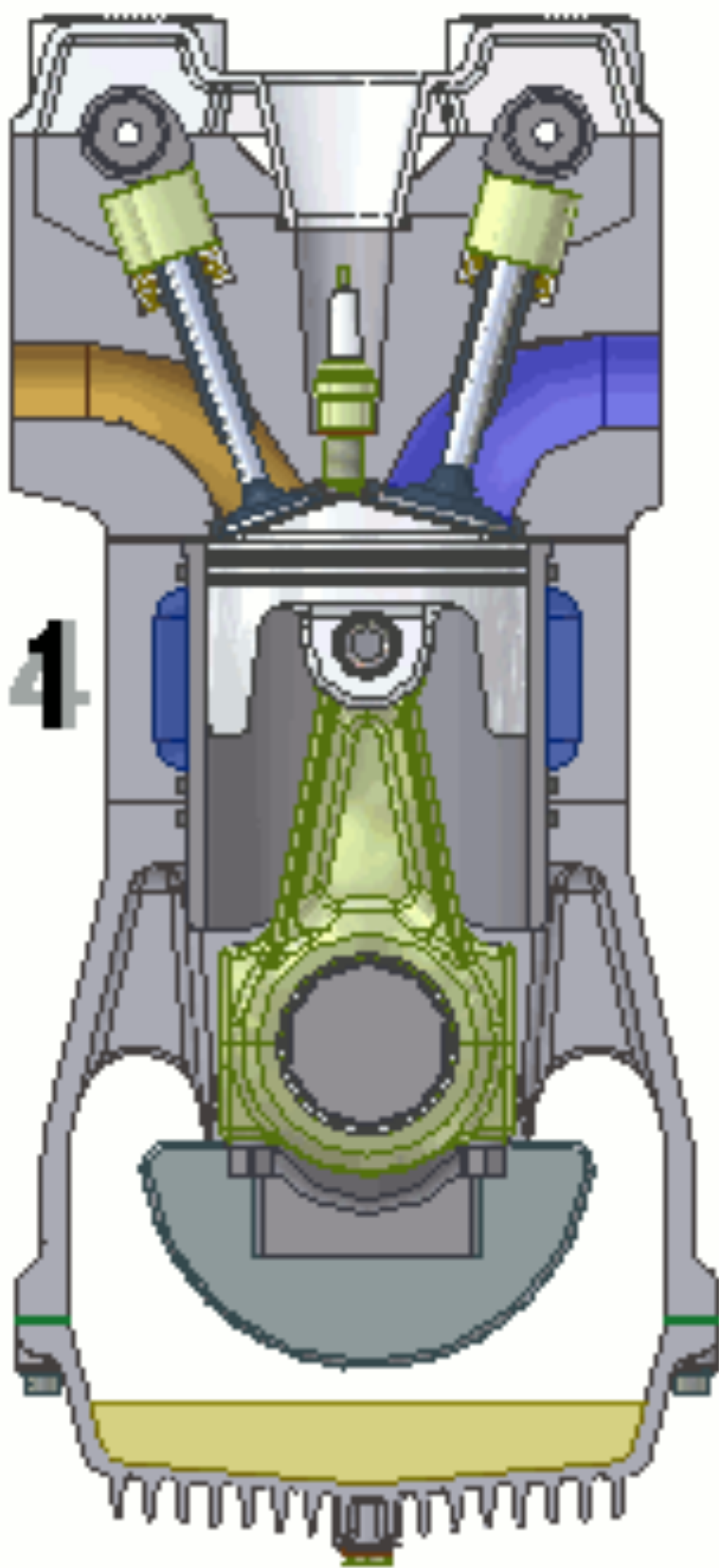
Four stroke engine, intake, compression, power, exhaust



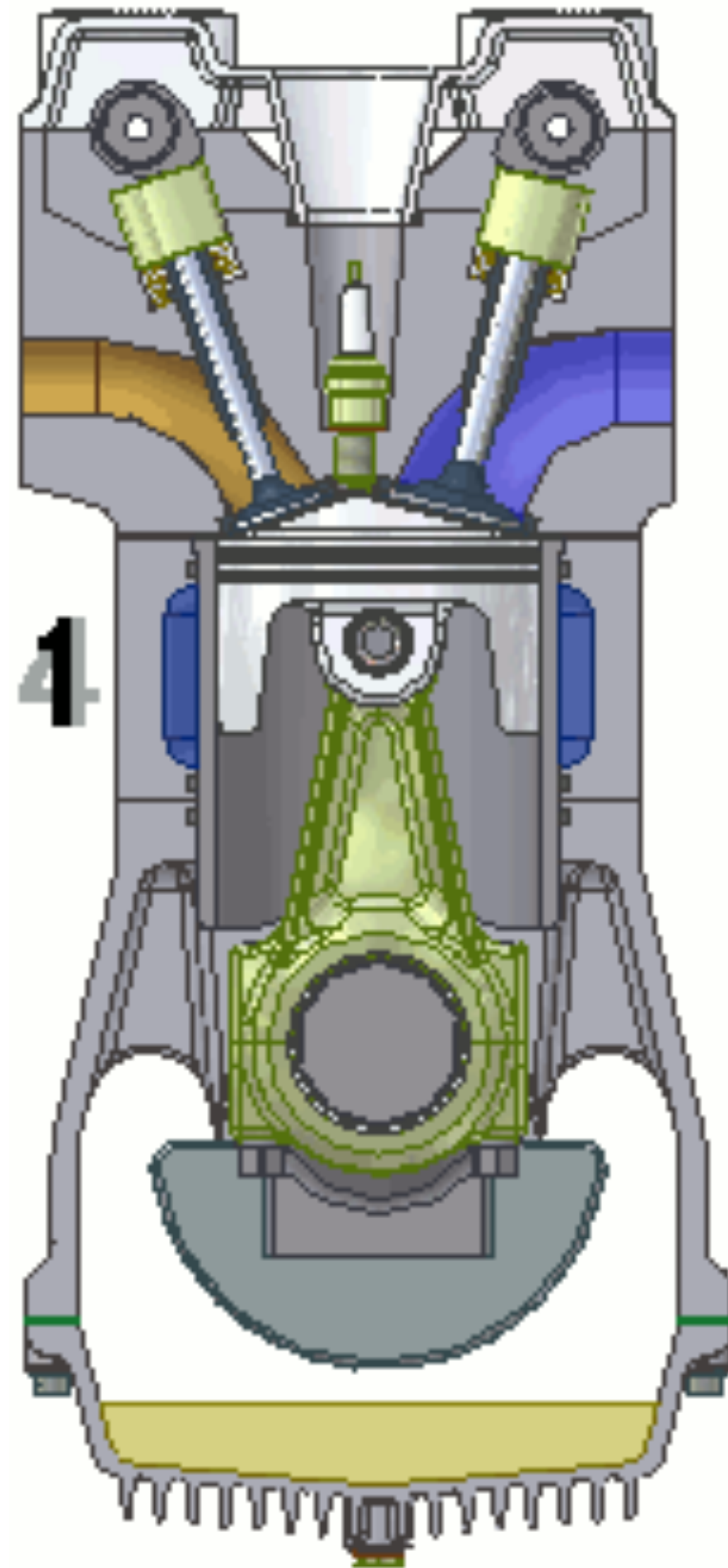
Engine block, with four cylinders, each has 0.5 L volume.

At 2000 rpm, this video takes two turns/cycle, so the video lasts 0.06 s

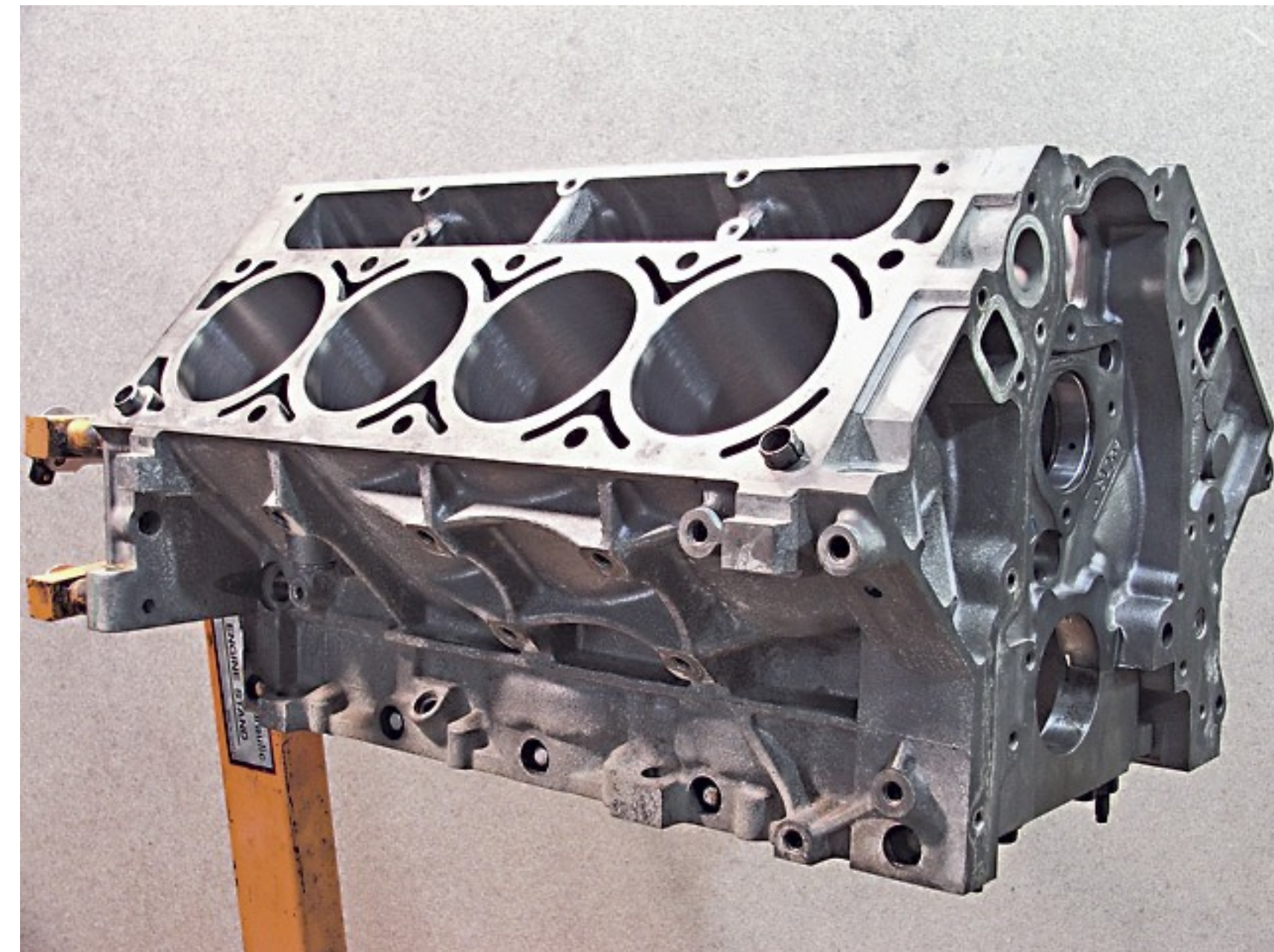
There are 1000 engine cycles/min.



Four stroke engine, intake, compression, power, exhaust



Engine block, with four cylinders, each has 0.5 L volume.



At 2000 rpm, this video takes two turns/cycle, so the video lasts 0.06 s
There are 1000 engine cycles/min.

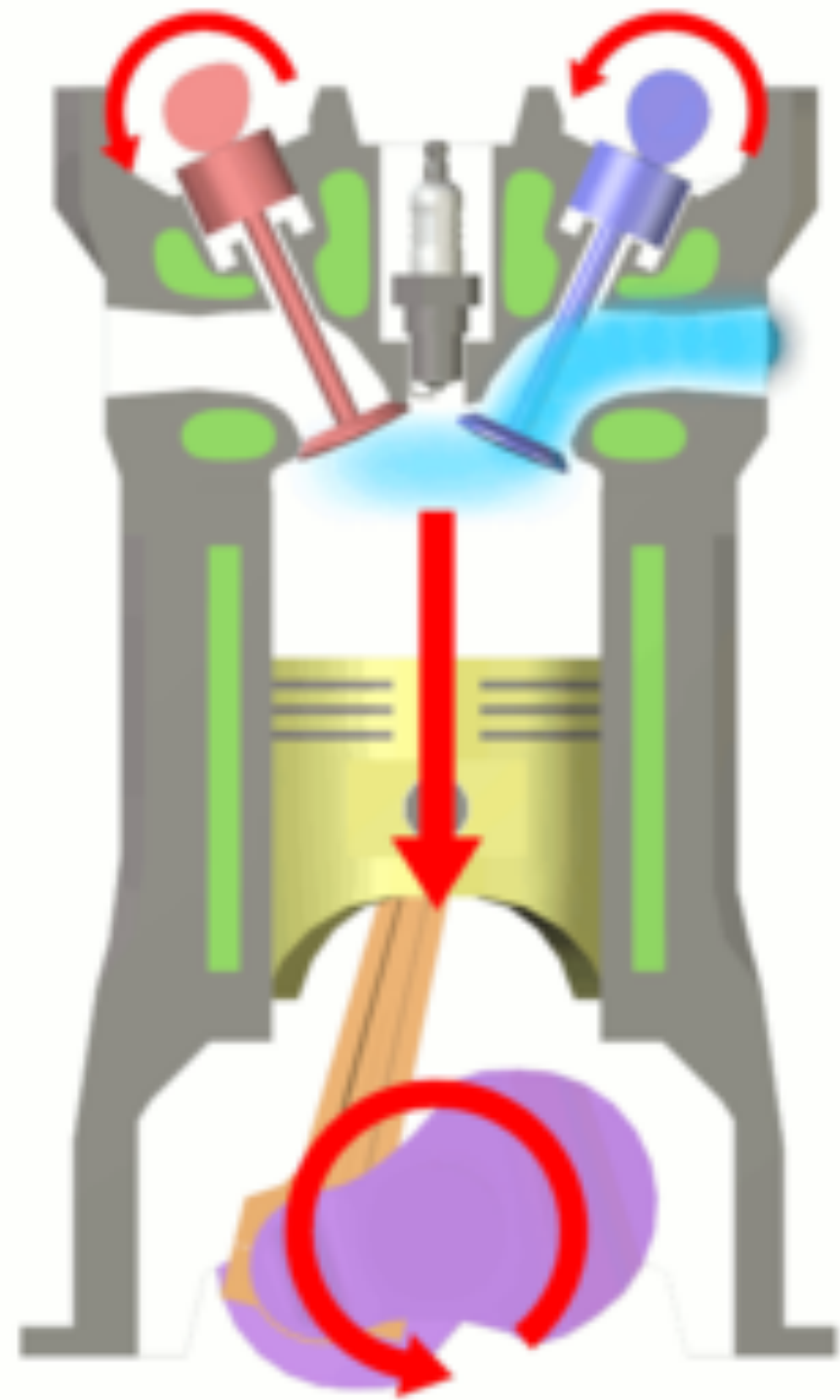
Intake

Adiabat. compress

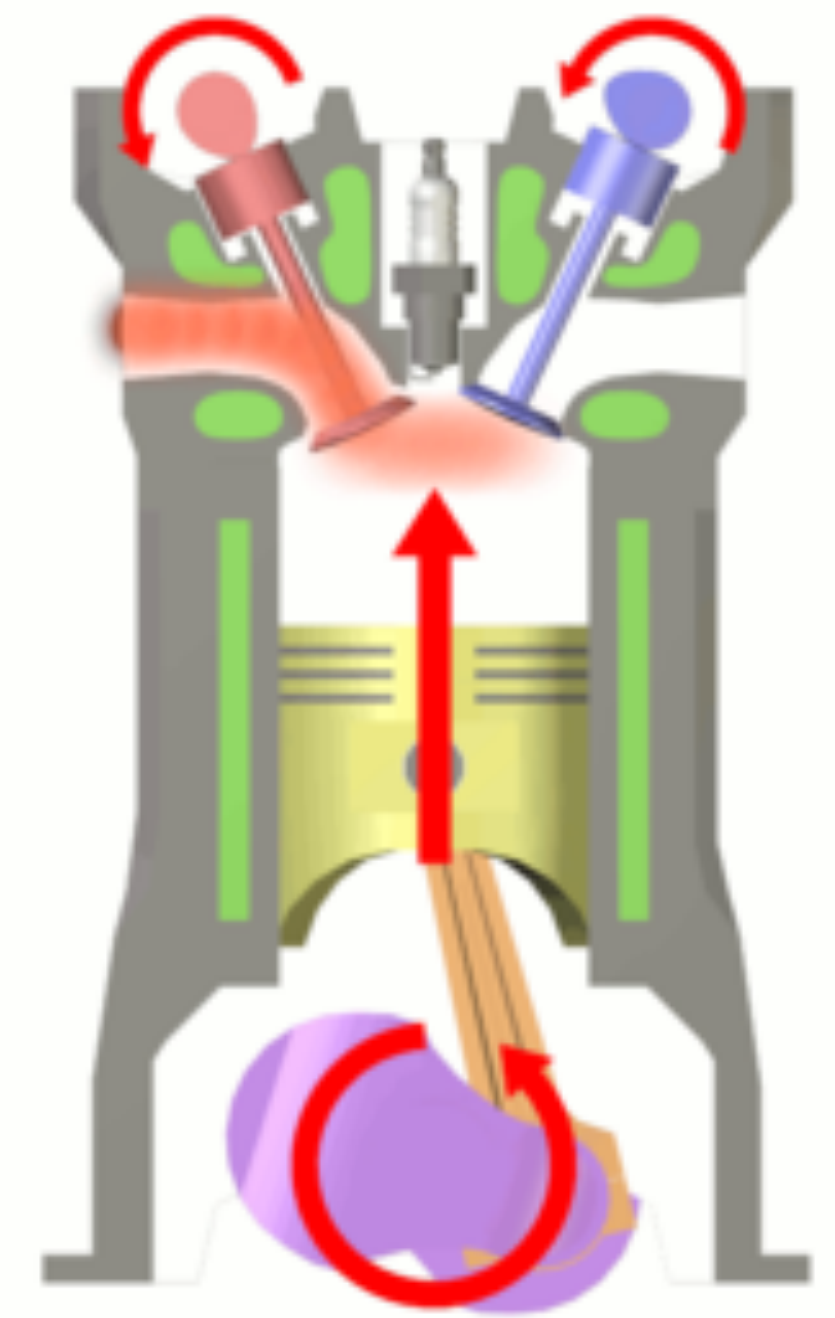
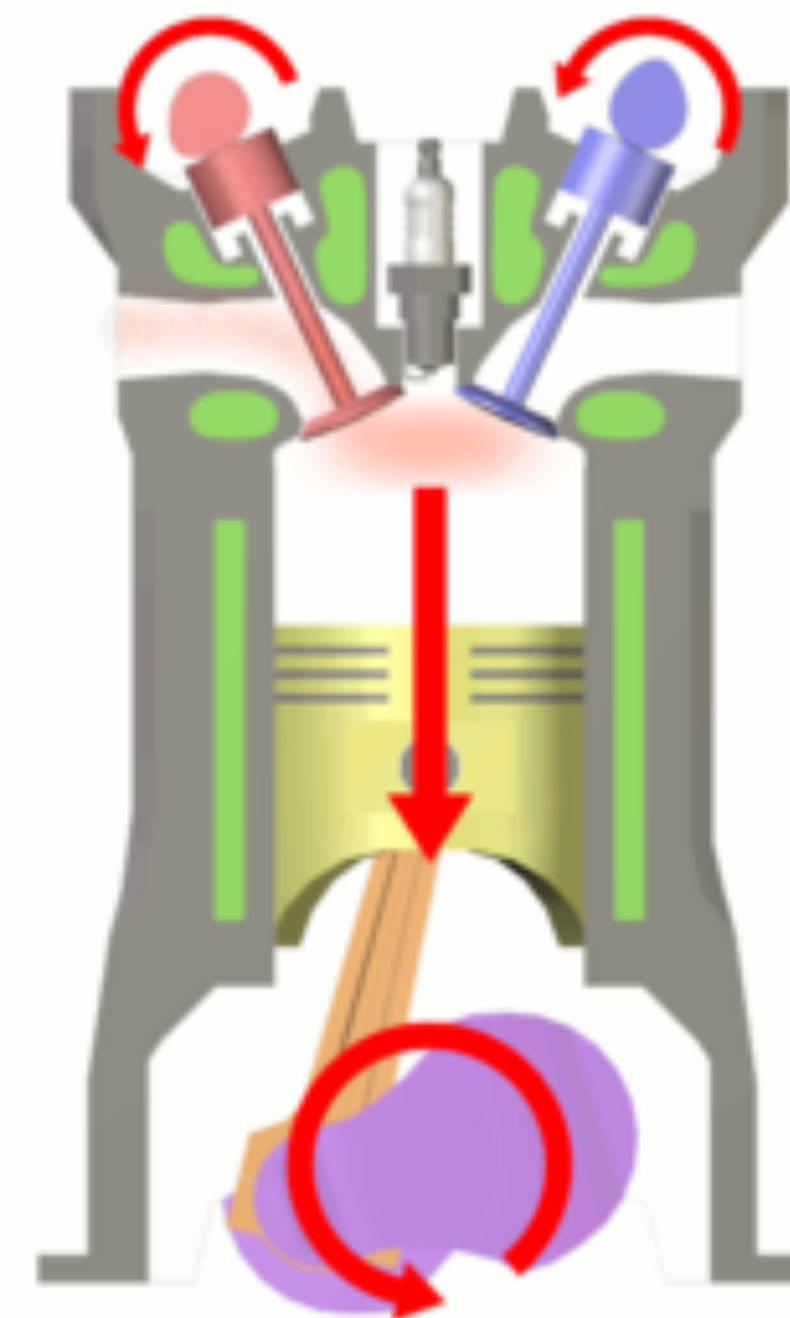
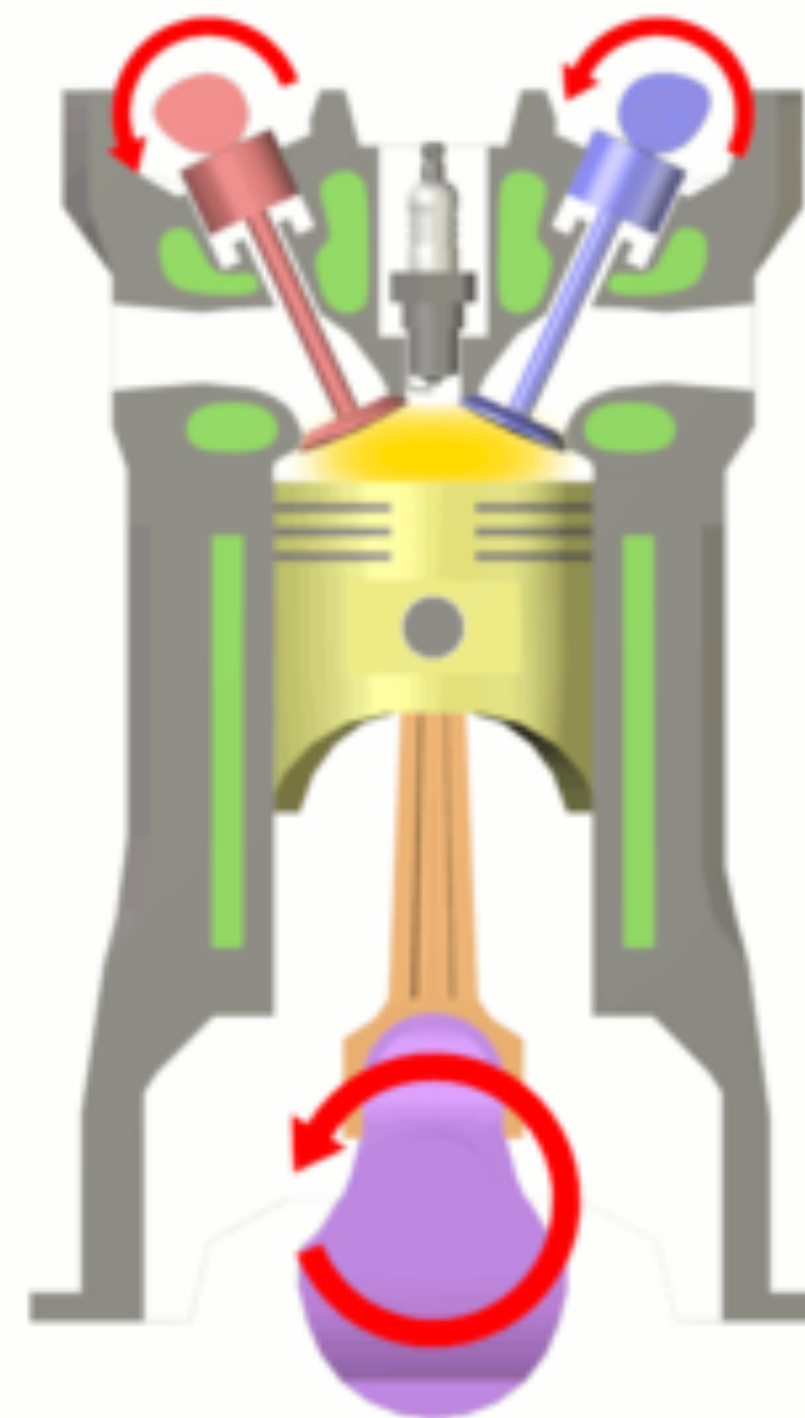
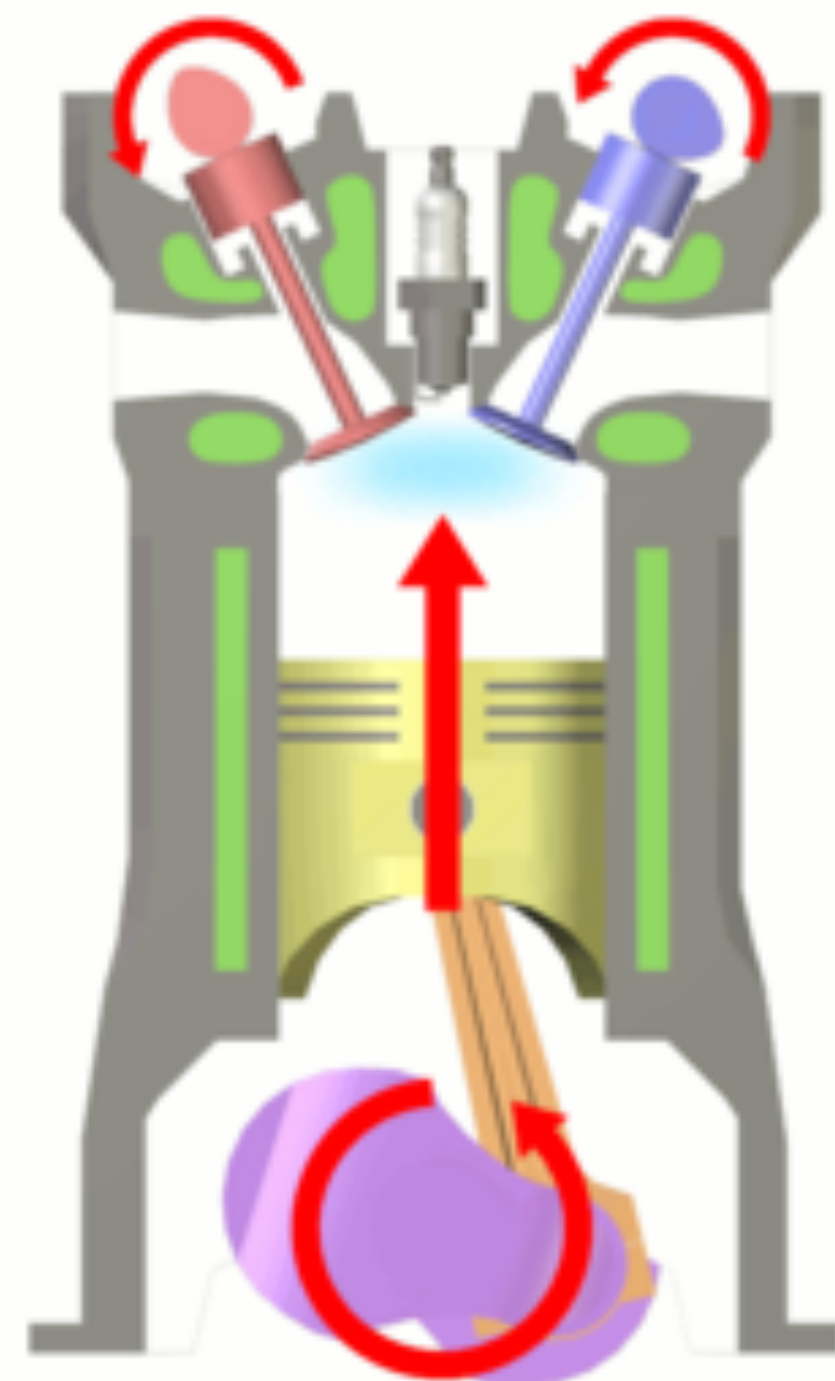
Ignition

Power
Adiabat. Exp

Exhaust



cold air



Stage:

1 to 2

2 to 3

3 to 4

4 to 1
happens outside car
in exhaust