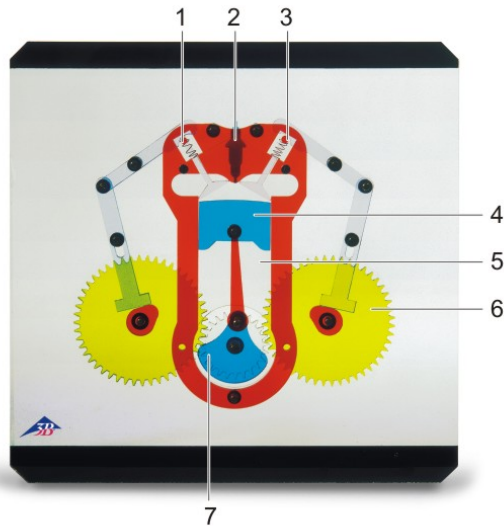


## Four-Stroke Engine, Transparent 1002995

### Instruction sheet

04/12 JS



- 1 Outlet
- 2 Spark plug
- 3 Inlet
- 4 Piston
- 5 Combustion chamber
- 6 Valve control
- 7 Crank shaft

### 1. Description

A four-stroke engine (or Otto engine) is a kind of internal combustion engine which requires four strokes to operate, whereby the combustible mixture of air and fuel is ignited by a spark plug. The crankshaft conveys the force and also controls the changes in the gas mixture.

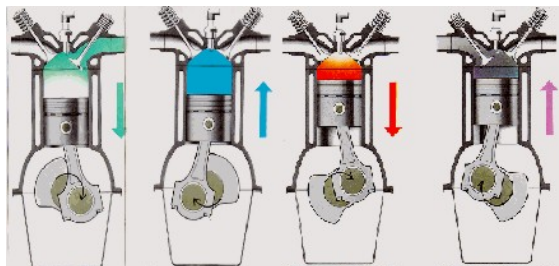


Fig. 1: Working strokes of four-stroke engine (from left to right): Intake, compression, ignition (power), exhaust

### 2. Operation

*Additionally recommended:*

Overhead Projector (230 V, 50/60 Hz) 1003264  
or  
Overhead Projector (115 V, 50/60 Hz) 1003263

- Lay the transparency on the daylight projector.
- Move the components by hand to the places which correspond to the various strokes.

