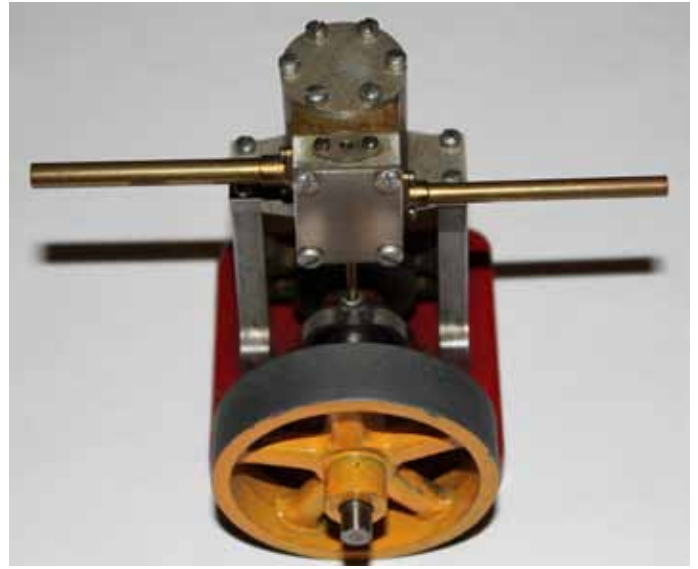
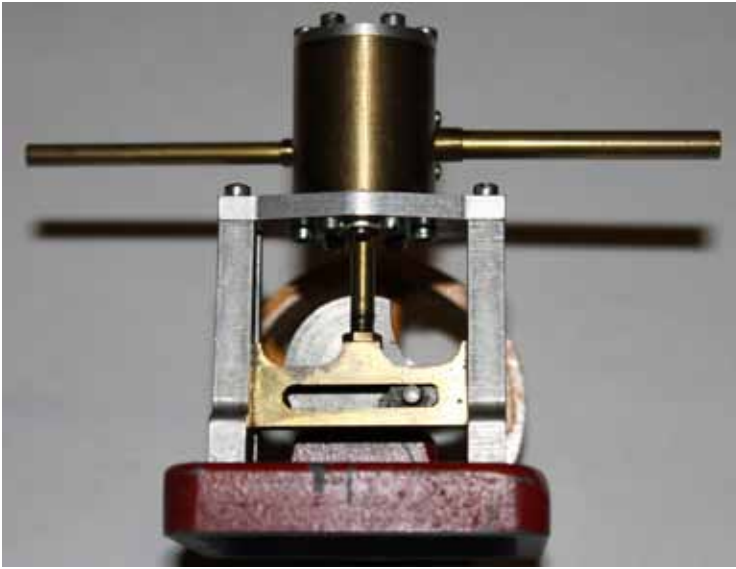


# SC1A

## Steam Engine Assembly Kit



The SC1A is a compact double-acting steam engine. A slide valve is used to control the steam. The compact size is possible by using a "Scotch Yoke" drive between the piston and the crankshaft. A Scotch Yoke is also known as a slide crank. An eccentric driven yoke operates the valve. Using a yoke drive eliminates the length of the crosshead commonly used in steam engines.

The Scotch Yoke has greater frictional losses than a conventional crosshead-connecting rod arrangement, however, unless you are operating under a heavy load, the difference is small. This engine is non-reversing, but it may be assembled to run in either direction.

### Dimensions:

- Base: 1.891" x 2.047"
- Crankshaft extension past base: .594"
- Crankshaft end diameter: 3/16" (.187")
- Crankshaft centerline height: .875"
- Height: 2.672"

### Models available:

- SC1A (Ready to assemble kit)
- SC1A-FA (Fully assembled ready to run engine)

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