

# Stirling Engine Cutaway



## Model AM 553

The Stirling engine is a closed cycle heat engine. It is typically completely sealed from the outside environment and works on the expansion and compression of the gas (typically air) that's enclosed in the sealed engine. Fuel does not move through the engine like in a conventional internal combustion engine. This means that there is no intake or exhaust.

One side of the engine is heated and the other side is cooled. This causes the gas to go through cycles of expansion and compression. This means it can produce motion by converting heat energy directly into kinetic energy or mechanical work.

An outside of view of the engine shows only it's moving parts, a heat source and a cooling source. Remember no fuel goes through the motor because it is completely sealed from the outside.

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There are many types of Stirling engines. There are high pressure engines that are used commercially. There are restored low pressure engines that are used for display. There are table top model engines built by hobbyists and students.

*Specifications, Model Photos and design subject to changes without any notice*