

Internal Combustion Engine Handbook

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Internal Combustion Engines (IC-engines) produce mechanical power from the chemical energy contained in the fuel, as a result of the combustion process occurring inside the engine IC engine converts chemical energy of the fuel into mechanical energy, usually made available on a rotating output shaft.

Principles of Engine Operation

In an internal combustion engine, the expansion of the high- temperature and high- pressure gases produced by combustion applies direct force to some component of the engine. The force is applied typically to pistons, turbine blades, rotor or a nozzle. This force moves the component over a distance, transforming chemical energy into useful work.

Internal combustion engine - Wikipedia

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E. Sher (editor), Handbook of Air Pollution from Internal Combustion Engines: Pollutant Formation and Control, Academic Press, 1998. (An extensive set of chapters, by different authors, on four-stroke and two-stroke cycle spark- ignition and diesel engine operation and emissions, and fuel effects.) 40.

Internal Combustion Engines Bibliography

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