

1. Record Nr.	UNINA9910438316203321
Autore	Blair Gordon P.
Titolo	Design and simulation of two-stroke engines // Gordon P. Blair
Pubbl/distr/stampa	Warrendale, Pa. (400 Commonwealth Dr., Wallendale PA USA) : , : Society of Automotive Engineers, , ©1996 [Piscataway, New Jersey] : , : IEEE Xplore, , [1996]
Edizione	[1st ed.]
Descrizione fisica	1 PDF (xxiii, 623 pages) : illustrations, digital file
Collana	Society of Automotive Engineers. Electronic publications.
Disciplina	621.43
Soggetti	Two-stroke cycle engines - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Errata slip included.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introduction to the Two-Stroke Engine -- 2. Gas Flow through Two-Stroke Engines -- 3. Scavenging the Two-Stroke Engine -- 4. Combustion in Two-Stroke Engines -- 5. Computer Modeling of Engines -- 6. Empirical Assistance for the Designer -- 7. Reduction of Fuel Consumption and Exhaust Emissions -- 8. Reduction of Noise Emission from Two-Stroke Engines.
Sommario/riassunto	Design and Simulation of Two-Stroke Engines is a unique hands-on information source. The author, having designed and developed many two-stroke engines, offers practical and empirical assistance to the engine designer on many topics ranging from porting layout, to combustion chamber profile, to tuned exhaust pipes. The information presented extends from the most fundamental theory to pragmatic design, development, and experimental testing issues.