

1. Record Nr.	UNINA9910819019803321
Autore	Galindo Eduardo (Automobile engineer)
Titolo	Chassis dynamometer testing : addressing the challenges of new global legislation / / Eduardo Galindo, David Blanco, Chris Brace, Ed Chappell, Richard Burke
Pubbl/distr/stampa	Warrendale, Pa. (400 Commonwealth Dr., Warrendale PA USA) : , : Society of Automotive Engineers, , 2017
ISBN	0-7680-8864-X 0-7680-8412-1
Descrizione fisica	1 online resource (1 PDF (xv, 232 pages)) : illustrations
Collana	Society of Automotive Engineers. Electronic publications
Disciplina	363.7387
Soggetti	Automobiles - Motors - Exhaust gas - Testing Dynamometer - Testing Motor vehicles - Chassis TECHNOLOGY & ENGINEERING / Automotive TECHNOLOGY & ENGINEERING / Environmental / Pollution Control LAW / Transportation Automotive technology and trades Pollution control Transport law
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Part I. The vehicle. Chapter 1. Parameters of influence on a moving vehicle ; Chapter 2. Engine architecture performance and efficiency ; Chapter 3. Engine ancillary devices ; Chapter 4. The pneumatic tire and rolling resistance ; Chapter 5. Exhaust emissions and aftertreatment systems ; Summary of Part I. The vehicle -- Part II. The test cell. Chapter 6. The chassis dynamometer test cell ; Chapter 7. The chassis dynamometer ; Chapter 8. The vehicle cooling blower ; Chapter 9. Chassis dynamometer HVACR ; Chapter 10. Air intake in chassis dynamometer test cells ; Chapter 11. Instrumentation and control ; Summary of Part II. The test cell -- Part III. Vehicle homologation process and tests. Chapter 12. Chassis dynamometer test standards ; Chapter 13. The need of a new emission regulation ;

Sommario/riassunto

Chassis dynamometer testing addresses the challenges of new global legislation (WLTP and RDE) sets out to gather knowledge from multiple groups of specialists to better understand the testing challenges associated with the vehicle chassis dynamometer test cells, and enable informed design and use of these facilities.