

1. Record Nr.	UNINA9910299823903321
Autore	Fischer Robert
Titolo	The Automotive Transmission Book // by Robert Fischer, Ferit Küçükay, Gunter Jürgens, Rolf Najork, Burkhard Pollak
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-05263-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (372 p.)
Collana	Powertrain, , 1613-6349
Disciplina	388 620 629.2
Soggetti	Automotive engineering Transportation Automotive Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Core tasks of vehicle transmissions -- Shift dynamics and shift comfort -- Power transfer elements -- Actuation, servo and auxiliary systems -- Transmission designs for passenger cars -- Power train electrification -- Transmission applications outside of the passenger vehicle sector.
Sommario/riassunto	This book presents essential information on systems and interactions in automotive transmission technology and outlines the methodologies used to analyze and develop transmission concepts and designs. Functions of and interactions between components and subassemblies of transmissions are introduced, providing a basis for designing transmission systems and for determining their potentials and properties in vehicle-specific applications: passenger cars, trucks, buses, tractors, and motorcycles. With these fundamentals the presentation provides universal resources for both state-of-the-art and future transmission technologies, including systems for electric and hybrid electric vehicles.