

1. Record Nr.	UNINA9910828923403321
Autore	Mananathan R.
Titolo	Automobile wheel alignment and wheel balancing // R. Mananathan
Pubbl/distr/stampa	Warrendale, Pennsylvania : , : SAE International, , 2021 ©2022
ISBN	1-4686-0363-9 1-4686-0362-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1 PDF (xvii, 133 pages)) : color illustrations
Soggetti	Automobiles - Wheels - Alignment Automobiles - Wheels - Balancing TRANSPORTATION / Automotive / Repair & Maintenance TECHNOLOGY & ENGINEERING / Automotive Vehicle maintenance and manuals Automotive (motor mechanic) skills Automotive technology and trades
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Preface -- Foreword by Gurmeet Singh -- Foreword by R. Sivanesan -- Foreword by S. Punnaivanam -- Chapter 1: Wheel alignment and wheel balancing -- Chapter 2: Wheel balancing -- Chapter 3: Wheel alignment of light vehicles -- Chapter 4: Wheel alignment correction methods -- Chapter 5: Wheel alignment of heavy vehicles and trailers -- Chapter 6: Wheel alignment - Points to observe -- Chapter 7: Types of tire wears and the causes -- Chapter 8: Tire safety -- About the author -- Index.
Sommario/riassunto	With over thirty years of experience in the design, development, and patenting of some products in the field of wheel alignment, the author shares his knowledge on the importance of wheel maintenance to the overall performance of a vehicle. From the ancient bullock carts to chariots to automobiles, wheels have undergone many changes to serve the purpose of mankind's mobility. Mobility is inevitable in today's life. A world without wheels is unimaginable. Every vehicle owner expects

his tires to last longer and perform better. But improper wheel alignment and wheel balancing can drastically impact the wear and tear on a tire. This book walks the readers through the basics to techniques for wheel alignment on light vehicles, commercial vehicles, and trailers. In addition, illustrations present various types of tire wear and the cause of each. Finally, the author delves into tire safety from understanding how air pressure effects a tire to the importance of tire rotation.
