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Titolo	Vehicle battery fires : why they happen and how they happen / / Gregory Barnett
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (xii, 208, xxxi) : color illustrations
Disciplina	629.2593
Soggetti	Electric automobiles - Batteries Automobiles - Fires and fire prevention TECHNOLOGY & ENGINEERING / Automotive TECHNOLOGY & ENGINEERING / Electrical Automotive technology and trades Electrical engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. History of the battery -- Chapter 2. Battery designs -- Chapter 3. Battery location design issues -- Chapter 4. Direct and alternating current -- Chapter 5. Lithium batteries -- Chapter 6. Nickel-metal hydride battery -- Chapter 7. Automotive electric fire science.
Sommario/riassunto	The main focus of the book resides in looking at differences in failure modes between DC and AC systems, general types of battery and electrical failure modes leading to fire, how to interpret electrical fire, determination of the primary failed part, and other skills the investigating engineer will require to perform technical failure mode analysis.