

Product Name :
Hybrid Electric Vehicle Technology Textbook

Product Code :
TechnicalLab0416

Description :

Hybrid Electric Vehicle Technology Textbook

Hybrid Electric Vehicle Technology provides foundational information about vehicles that use more than one propulsion technology to power a drive system. This new textbook is filled with technical illustrations and concise descriptions of the different configurations and vehicle platforms, the operation of various systems and the technologies involved, and the maintenance of hybrid electric vehicles. Instrumentation Sample Chapter Safety precautions required when working around high-voltage vehicle systems, especially in emergencies, are highlighted.

The CD-ROM included with Hybrid Electric Vehicle Technology contains information to supplement the textbook including the following:

- * Quick Quizzes
- * Illustrated Glossary
- * Flash Cards
- * Media Clips
- * Review Questions
- * Link to ATPeResources.com

CONTENT HIGHLIGHTS

- * Introduction to HEV Technology
- * High-Voltage Electrical Safety
- * High-Voltage Vehicle Safety Systems

- * Hybrid Engines
- * AC Induction Electrical Machines
- * Permanent Magnet Electric Machines
- * Power Inverter Systems
- * Electric Propulsion Sensing Systems
- * DC-DC Converter Systems
- * Transaxels, Gears, and Cooling Systems
- * Energy Management Hardware Systems
- * Battery Construction and Technologies
- * Nickel Metal Hydride Technology
- * Battery Pack and Energy Management System
- * Braking Systems
- * Climate Control Systems
- * Hybrid Jump Starting and Jump Start Assist Systems
- * GM Flex Power PHT
- * Belted Alternator Starter (BAS) System

SPECIFICATIONS

279 Pages

197 Illustrations

Softcover

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