

AUTOMOTIVE TECHNOLOGY

An introductory course designed for automotive students that provides theory for a foundation in the field of automotive technology. All systems of the automobile are covered.

AT101

Chapter 1: Intro to Automotive Technology

Section 1: Intro, Automobile Engines, Modern Car Energy

Section 2: Engine Types, How an engine works

Section 3: Oiling System, Engine Cooling, Engine Balance

Chapter 1 Review

Chapter 2: Charging System

Section 1: Charging Systems

Section 2: Alternator

Section 3: Voltage Regulator

Chapter 2 Review

Chapter 3: Ignition

Section 1: Ignition Systems

Section 2: Mechanical Ignition System

Section 3: Electronic Ignition System

Section 4: Distributorless Ignition System

Chapter 3 Review

Unit Review

AT102

Chapter 1: Automatic Transmission

Section 1: What is a transmission?

Section 2: Transmission Components

Section 3: Clutch Packs

Chapter 1 Review

Chapter 2: Oil Pump

Section 1: Oil Pump

Section 2: Spotting Problems

Section 3: Transmission Repairs

Chapter 2 Review

Chapter 3: Brakes

Section 1: Brakes

Section 2: Brake Fluid

Section 3: Drum Brakes

Chapter 3 Review

AT103

Chapter 1: Wheel Alignment

Section 2: Advanced wheel alignment information

Section 3: More alignment information

Chapter 1 Review
Chapter 2: Hybrid Power systems for the new millennium
Section 2: Hybrid Cars
Section 3: The Nuts and Bolts
Chapter 2 Review
Chapter 3: Understanding your Dashboard Gauges
Section 2: Temperature Gauge and Warning Lamp
Section 3: Automotive Air Conditioning system
Chapter 3 Review

AT104

Chapter 1
Section 1: cooling system
Section 2: fuel system
Section 3: emission control
Chapter 2
Section 1: automobile battery
Section 2: the starting system
Section 3: on board diagnostics
Chapter 3
Section 1: under hood checks
Section 2: oil change
Section 3: washing

AT105

Chapter 1
Section 1: My car
Section 2: Dead battery
Section 3: Fluid investigator
Chapter 2
Section 1: Name that tune
Section 2: Alignment and balance
Section 3: Tire rotation
Chapter 3
Section 1: Tune up
Section 2: Windshield IQ
Section 3: Jumping your car