



Making learning easy

Basics in Automotive Electronics

Chapter one - Components:

- Resistors
- Capacitors
- Coils
- Diodes
- Transistors
- Thermistors
- Intergrated circuits
- Gates
- A/D-, D/A-converter
- Memory circuits
- Microprocessors
- Thyristors

Chapter two - Circuit diagrams:

- Circuit diagrams

Chapter three - Batteries:

- Batteries - general
- Battery charging
- Testing of batteries

Chapter four - Alternators:

- Alternators - general
- Rectifying of A/C
- Voltage regulators
- Troubleshooting

Chapter five - Starter motors:

- Starter motors
- Circuit diagrams

Chapter six - Sensors:

- Temperature sensors
- Position sensors
- Lambda sensors
- Airflow sensors
- Knock sensors

Chapter seven - Actuators:

- Idle speed valves
- Injectors

Chapter eight - EEC and catalysts:

- Exhaust components
- Exhaust measurements
- Exhaust certification
- Lambda control
- EGR
- Delay valves
- Air injection

Chapter nine - Test techniques:

- Digital voltmeters
- Oscilloscopes
- Stroboscopes
- Stationary diagnostic equipment
- Portable diagnostic equipment
- Scan tools



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