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## CLASS 1 TOPICS

**VEHICLE SERVICING (LEVEL 1)**
- TC50  High Voltage Awareness
- UC50  Best Practice Vehicle Servicing
- KT40  Oil Filtration Principles

## CLASS 2 TOPICS

**AUTOMOTIVE ELECTRICAL (LEVEL 1)**
- CC50  Electron Theory, Conductivity & Ohm’s Law
- CH50  Series & Parallel Circuits
- CJ50  Circuit Operation & Voltage Dividers

**TYRES & RIMS (LEVEL 1)**
- FX00  Tyre Technology
- FX05  Tread and Rim Technology
- FX50  Tyre Pressure Monitoring

## CLASS 3 TOPICS

**COOLING SYSTEMS (LEVEL 1)**
- KB20  Cooling System Principles
- KB35  Cooling System Diagnosis

**STARTING & CHARGING (LEVEL 1)**
- CW00  Batteries - Lead Flooded
- CW30  Battery Test, Maintenance and Recharge

**LIGHTING (LEVEL 1)**
- CO35  Lighting Components

## CLASS 4 TOPICS

**ENGINE MECHANICAL (LEVEL 1)**
- SC50  Let’s Torque Wrenches
- BD00  4 Stroke Fundamentals
- BD50  Best Practice Head & Gasket Leak Testing
- HB50  Gasoline Engine Performance Checks

## CLASS 5 TOPICS

**STEERING (LEVEL 1)**
- FP00  Manual Steering Principles
- FP05  Hydraulic Power Steering

**SUSPENSION (LEVEL 1)**
- FR00  Suspension System Principles
- FR05  Suspension Components - Springs
- FR10  Suspension Components - Shocks
### CLASS 6 TOPICS

**ELECTRICAL TESTING (LEVEL 1)**
- CE50  Multimeter Essentials
- CK50  Open & Short Circuits
- CW55  Locating Harness Faults Best Practices
- CV50  Terminal Tension & Back Probing
- CW50  Wiring Repairs Best Practices
- CQ50  Multimeter Advanced Functions

### CLASS 7 TOPICS

**BRAKE SYSTEMS (LEVEL 1)**
- BK00  Automotive Braking Principles

**IGNITION SYSTEMS (LEVEL 1)**
- HC15  Spark Plugs
- HC10  Kettering Type Ignition System
- HC40  Spark Timing & Dwell Control
- KE30  Spark Plug & Lead Diagnosis

### CLASS 8 TOPICS

**AUTOMOTIVE ELECTRICAL (LEVEL 2)**
- CM50  Automotive Relays
- JE50  Relay Circuits
- EM00  Direct Current Motors

**STARTING & CHARGING (LEVEL 2)**
- FT50  Starter Motors Explained

### CLASS 9 TOPICS

**AUTOMOTIVE ELECTRICAL (LEVEL 3)**
- CG50  Electronic Components
- CP50  Piezo Resistive Sensors Explained
- CP60  Piezo Electric Sensors Explained
- CP70  Capacitive Sensing
- CP80  Ultrasonic Sensor Technology
- CR50  Pulse Width Modulation Explained

### CLASS 10 TOPICS

**MANUAL TRANSMISSIONS (LEVEL 1)**
- CS00  Clutch System Principles
- MT00  Manual Transmission Operation

**AUTOMOTIVE ELECTRICAL (LEVEL 4)**
- JC50  2 Wire Sensors & Circuits
- JC75  Pullup & Pulldown Circuits
- JC85  Control Module Logic & Programming
- CM70  Monitored Relay Circuits
## CLASS 11 TOPICS

### ONBOARD DIAGNOSTICS (LEVEL 1)
- JB50  Understanding Diagnostic Trouble Codes
- HG00  Understanding Gasoline Scantool Data
- AC50  Understanding Drive Cycles
- AC65  Drive Cycle Diagnosis
- AD50  Engine Misfire Monitoring
- AD60  Undetermined Misfire Diagnostics

## CLASS 12 TOPICS

### BRAKE SYSTEMS (LEVEL 2)
- FM50  Cable Actuated Electric Park Brakes
- FM60  Cable Actuated Electric Park Brake Adjustment
- FM75  Calliper Type Electric Park Brakes

### HVAC SYSTEMS (LEVEL 1)
- UG15  Introducing Air Conditioning
- UG25  Air Conditioning High Side Components
- UG40  Air Conditioning Low Side Components
- UG80  Air Conditioning Servicing

## CLASS 13 TOPICS

### ENGINE MANAGEMENT (LEVEL 1)
- HO60  Port Fuel Injection Delivery System
- HP50  Introducing Gasoline Direct Injection (GDI)
- HO50  Gasoline Injection Fuel Control
- HN50  Gasoline Injection Sensors
- HG50  Understanding Fuel Trims

## CLASS 14 TOPICS

### FUEL DELIVERY SYSTEMS (LEVEL 1)
- KC55  Fuel Delivery System Mechanical Checks
- KC60  Fuel Delivery System Electrical Checks
- KC50  Fuel Pressure Regulator Performance
- KC65  Fuel Pump Control Module Checks

## CLASS 15 TOPICS

### DIESEL TECHNOLOGY (LEVEL 1)
- GE35  Diesel Unit Injection
- GE30  Hydraulic Electric Unit Injection (HEUI)
- GE50  Introducing Common Rail Diesel (CRD)
- GH50  CRD Fuel Delivery
- GF50  CRD Electronic Controls
- GL50  CRD Intake & Exhaust Systems
- GM50  Diesel Engine Performance Checks
### CLASS 16 TOPICS

**COOLING SYSTEMS (LEVEL 2)**
- KB70  Engine Coolant Temperature Sensor Diagnostics
- KB25  Cooling Fans - Relay Controlled
- KB28  Thermostats - ECM Controlled

**STEERING (LEVEL 2)**
- FP40  Electro-Hydraulic Power Steering
- FQ70  Understanding Steering Angles
- FQ50  Electric Power Steering

### CLASS 17 TOPICS

**SRS SYSTEMS (LEVEL 1)**
- FJ80  SRS Airbag Safety
- FJ90  SRS Airbag Operation
- MN50  SRS Pretensioners

**DIESEL TECHNOLOGY (LEVEL 2)**
- GB50  Diesel Fuel Delivery - Low Pressure Supply
- GB60  Diesel Fuel Delivery - High Pressure Supply
- VD50  CRD Injector Leak Back Testing
- GK50  CRD Injector Coding

### CLASS 18 TOPICS

**EMISSION CONTROLS (LEVEL 1)**
- DA50  Vehicle Emission Principles
- KE00  Gasoline Exhaust Emission Diagnostics
- DE50  Vented Evaporative Systems
- DC50  Exhaust Gas Recirculation

**ENGINE MANAGEMENT (LEVEL 2)**
- HD50  Narrow Band Oxygen Sensors
- HE50  Wide Band Oxygen Sensors

### CLASS 19 TOPICS

**SUSPENSION (LEVEL 2)**
- FR15  Suspension Components - Linkages
- FR20  Air Suspension Overview

**EMISSION CONTROLS (LEVEL 2)**
- DH50  2 Way Catalytic Converter
- DJ50  3 Way Catalytic Converter
- DR50  Catalytic Converter Efficiency
## CLASS 20 TOPICS

### BRAKE SYSTEMS (LEVEL 3)
- FC50  Anti-Lock Brakes
- MH25  Wheel Speed Sensor Operation & Testing
- MK50  ABS Pump Motor Circuit Diagnosis

### DIESEL TECHNOLOGY (LEVEL 3)
- GN50  DPF Diesel Particulate Filter
- VK50  DPF Flow Diagnostics
- DN50  NOx Type Catalytic Converter
- VM00  SCR Selective Catalyst Reduction

## CLASS 21 TOPICS

### AUTOMOTIVE ELECTRICAL (LEVEL 5)
- JL50  Oscilloscope Essentials
- JL60  Interpreting Position Sensor Waveforms
- JL70  Interpreting Pressure Sensor Waveforms

### IGNITION SYSTEMS (LEVEL 2)
- HC20  Electronic Switching Ignition Systems
- HC50  Magneto & CDI
- HC30  COP & Wasted Spark
- KE15  Ignition Coil Pack Diagnosis
- KE10  Knock Sensor - Voltage High

## CLASS 22 TOPICS

### CONVENIENCE SYSTEMS (LEVEL 1)
- FX25  Start Stop Operation
- YA20  Rain Sensor Technology
- YA60  Wireless Phone Charging

### SECURITY SYSTEMS (LEVEL 1)
- FL10  Keyless Entry
- MR50  Keyless Entry System Diagnosis
- MR60  Immobiliser Systems

## CLASS 23 TOPICS

### ENGINE MANAGEMENT (LEVEL 3)
- KS70  IAT Sensor Signal Performance
- BS25  Barometric Sensor Signal Faults
- KL50  Throttle Position Sensors
- HU50  Accelerator Pedal Position Sensor
- KM50  Accelerator Pedal Position Sensor Diagnosis
- KP50  Manifold Absolute Pressure Signal Performance
- CR10  Mass Air Flow Sensor 8 Wire Type
- KQ50  Mass Air Flow Sensor Signal Performance
## CLASS 24 TOPICS

### ENGINE MANAGEMENT (LEVEL 4)
- **CP05** Camshaft Position Sensor Voltage Low
- **KN50** Crankshaft Position Sensor Signal Performance

### ENGINE MECHANICAL (LEVEL 2)
- **HR20** Understanding Valve Timing
- **JP50** Valve Adjustment - Shim Type
- **JP75** Valve Adjustment - Rocker Type
- **HR50** VVT Cam Phasing Type
- **HR55** VVT Cam Changing Type

## CLASS 25 TOPICS

### COMMUNICATION SYSTEMS (LEVEL 1)
- **EM50** LIN BUS
- **EC50** Low Speed BUS
- **EH50** CAN High Speed BUS
- **FB00** Understanding FlexRay
- **ES50** MOST BUS

## CLASS 26 TOPICS

### STARTING & CHARGING (LEVEL 3)
- **CW60** Alternators Explained
- **CW80** Charging Systems ECM Controlled
- **CW90** ECM Controlled Charging Diagnosis

### DRIVER ASSIST SYSTEMS (LEVEL 1)
- **FV50** Blind Spot & Cross Traffic Alert
- **FW25** Lane Departure Passive Type
- **FW50** Collision Avoidance Camera Type
- **FY50** Active Cruise Control

## CLASS 27 TOPICS

### HVAC SYSTEMS (LEVEL 2)
- **UG55** HVAC System - Sensor Inputs
- **UG60** HVAC System - Controls
- **UG65** HVAC Systems - Outputs
- **XJ50** Air Conditioning System Pressure Diagnosis
- **XLS0** Air Conditioning Compressor Clutch Diagnosis

## CLASS 28 TOPICS

### ENGINE MANAGEMENT (LEVEL 5)
- **AE50** Throttle Actuator Control Systems
- **AF00** Cylinder Deactivation OHV Type
- **H500** Intake Runner Control Systems
CLASS 29 TOPICS

DRIVER ASSIST SYSTEMS  (LEVEL 2)
- FH50  Traction Control
- FJ50  Stability Control
- FJ60  Hill Descent
- FK50  Yaw Sensor - Communication Fault
- FK60  ESP Bus Diagnostics

CLASS 30 TOPICS

HYBRID TECHNOLOGY  (LEVEL 1)
- TD50  Toyota Hybrid System II - Module 1
- TD60  Toyota Hybrid System II - Module 2

REPROGRAMMING  (LEVEL 1)
- ET00  J2534 Pass-Thru Communication
- SM50  CARDAQ-M Getting Started
- ET50  General Motors Programming
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