



TECH TRAINING 2020

JAN 29 SASKATOON

JAN 29 CALGARY

FEB 4 EDMONTON

FEB 4 LLOYDMINSTER

APD Branch Locations / Cost: \$125.00 / Supper: 6:00pm / Course 6:30pm

AUTOMOTIVE ELECTRONIC DIAGNOSTICS

The Principles of electronics is the foundation to correctly diagnosing and repairing today's high-tech vehicles. With all manufactures going to Body Computer Systems to Control all Electrical functions on vehicles along with sharing of sensor data. With complicated network systems between the vehicle computers, the principles of electronics are now even more important. Most vehicle electrical repair is pinpointed by the use of a DVOM or Lab scope and interpreting schematics.

COURSE OUTLINE

1. Fundamentals of Electricity - Electron Theory - Voltage, Resistance, Amperage, Wattage - Ohms Law
2. Multi Meters - How to use Low and High Impedance Meters - Intro to Labsopes
3. Series Circuits - Describe Series Circuit Theory
4. Parallel Circuits - Describe Parallel Circuit Theory
5. Series Parallel - Describe Series Parallel Circuit Theory
6. Describe Electromagnetism, Capacitance
7. Diode Operation & Testing Tips
8. Transistor Operations - HSD & LSD Drivers - Bias Voltage Operation
9. Schematic Interpretation Skills - Understanding Schematioc - Diagnostics with Schematics
10. Operation & Diagnosis of Networking Systems
11. Hybrid Batteries & Relay Operations
12. Hybrid Battery/Cables Monitoring Systems

This class Is designed for Starting to Intermediate level of technicians and review for Advanced Technicians

This class Is a good prerequisite for the Advanced Labscope Class

