

LBT-55: Enhanced Ignition Systems

Primary and secondary ignition patterns are vital for every tech to know. AVI and instructor Bill Fulton show you how to use a lab scope to troubleshoot issues with ignition systems on all vehicles on the road today.

In this course Bill tackles primary and secondary ignition patterns and other topics that apply to all makes and modes of vehicles. He covers DSOs, DVOMs, high and low-impedance tests, and lights and logic probes. He provides information on OBD II misfire monitors and relearn procedures for domestic systems.

Bill also explains using triggering devices on COP systems, integrated and non-integrated COP control systems, control strategies and testing strategies. Wouldn't you like to make more money by cutting your COP diagnostic time down to only 5 minutes.

Runtime: 82 minutes



Supplements

Testing Resources
Manual
Videos
Discussion Forum
Certificate

Topics Covered

Appropriate Test Equipment
Forces that Attack the Ignition
Detailed Anatomy of a D.I. Ignition
Common Types of Misfires
Generic Ignition Systems
Scope Checks
Law of Diagnostics
Review of both S.A.E and S.T.S
Center Electrode Dooming

Fixed and Variable Resistances
Law of Lab Scope Diagnostics
Spark Line or Duration Period Analysis
Leading Causes of Secondary Misfires
Critical Secondary Tests
Evaluation of the Secondary Idle
Operation of a Timing Light
Illustration of a Sample Spark Line Analysis
W.O.T. Cranking K.V. Test