



**AUTOTECH**

# Course Descriptions

**1...2...3...Misfire! NEW – Available August 18, 2025**

Course No: 7500

As long as there are internal combustion engines, misfires will continue to be an inevitable part of automotive repair.

In this course we will discuss ignition components and how to read ignition waveforms when utilizing an oscilloscope to diagnose them. While it is all too common to do the “coil dance”, we will cover testing techniques that will provide us with definite results to avoid teardown and diagnostic approaches to reduce comebacks and wasted time.

Recommended for A and B level Technicians

- Learn how to analyze ignition waveforms
- Utilize mode 6 when misfire monitors are not enabled
- Best practices to avoid diagnostic regret
- Tools that help us find the cause faster

  

- *Is there a way to distinguish a mechanical from an electrical misfire in one test?*
- *Can you identify a faulty coil even if it's not misfiring while you test it?*
- *How can you test a control fault to know which component is at fault?*

