

PT62 - Electronically Controlled Engines

Course Overview

A course, aimed primarily at the technician, covering generic subjects relating to electronically controlled Perkins Engines. The course covers subjects from basic circuits to speed control, sensors, engine & application wiring. Fault finding and use of diagnostic equipment such as multimeters and the Electronic Service Tool (EST), are a key part of this course.

Prerequisite

A basic understanding of electricity is desirable.

Course Objectives

Upon completion of the course the participants will be able to-

- Describe the benefits of electronically controlled engines
- Answer basic questions relating to system components
- Use a multimeter to fault find using resistance and volts
- Demonstrate the key functions of the Electronic Service Tool (EST)
 - Diagnose faults with engine electrical systems
 - Reprogram ECM software and configuration files
- Reprogram throttle settings and understand the configuration process

Course Outline

- Basic circuit building including the use of the multimeter basic fault diagnostics
 - The operation of the Electronic Control Module
 - Engine mounted sensors
 - Engine speed control
 - Electronic Service Tool (EST)
 - Electronic Component Fault Finding and Repair
 - Reflashing and Configuration
- Practical examples and exercises throughout the course

Course Duration

3 Days

Course Location

Courses can be arranged to take place either at your premises, within a conference setting or at the Perkins Product Training Centres, in the UK

Course Code

PT62