



WAUKESHA-PEARCE INDUSTRIES, INC. ENGINE DIVISION TRAINING

Course Name	Engine System Manager
Code	ESM
Course Length	4.5 Days
Prerequisites	GET and VHP preferred
Required/Suggested Equipment	Windows based notebook computer No shorts, tank tops or open-toed shoes allowed

Description: The ESM course is designed specifically for technicians who will be responsible to install, program, adjust, and troubleshoot the Engine System Manager (ESM). The ESM course is taught with the understanding that the students understand governing, capacitive discharge ignition systems, and are thoroughly experienced with adjusting fuel systems. In addition, they must know how to troubleshoot electrical systems, and perform basic tasks on a laptop computer using Microsoft Windows®. Usage of the ESP (Electronic Service Program) and E help is emphasized during this class.

Topics Covered:

- Power supplies
- ESM operating theory
- ESM components
- ESP (Electronic Service Program)
- Air/fuel ratio control
- E-Help (computer based troubleshooting)
- Customer interface connection
- Packaging
- Installation troubleshooting
- Lab exercises on simulator