

COURSE DESCRIPTION

This advanced, hands-on course delivers in-depth instruction and practical experience focused on the Detroit Diesel Two-Stroke V-92 series. An in-frame overhaul will often be performed with much of the engine remaining assembled and in-frame during service. Areas of focus include disassembly, cleaning, part inspection, reassembly, timing, tune up, preparation for operation, and basic troubleshooting. Key components include major systems, heads/injectors, crank/camshafts, blowers, pumps, and piston assemblies.

LEARNING OUTCOMES

- Specify engine components and engine setup by serial number
- Identify key components on the Diesel two-stroke, various models
- Explain principles of two-stroke operation
- Describe operation of all major systems to include air, fuel, lubrication, and coolant systems
- Demonstrate disassembly of identified components
- Demonstrate assembly of identified components
- Demonstrate installation of identified components
- Demonstrate engine timing settings, timing check
- Demonstrate engine tuning
- Demonstrate DDEC settings
- Understand basic concepts of governor settings (classroom because hands-on engine uses DDEC)
- Demonstrate basic engine troubleshooting
- Demonstrate filling engine fluids
- Demonstrate prepping engine for startup
- Describe common troubleshooting issues and their possible solutions

DETAILS

- **Duration:** 5 days
- **Delivery Method:** Instructor-Led Training (ILT)



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