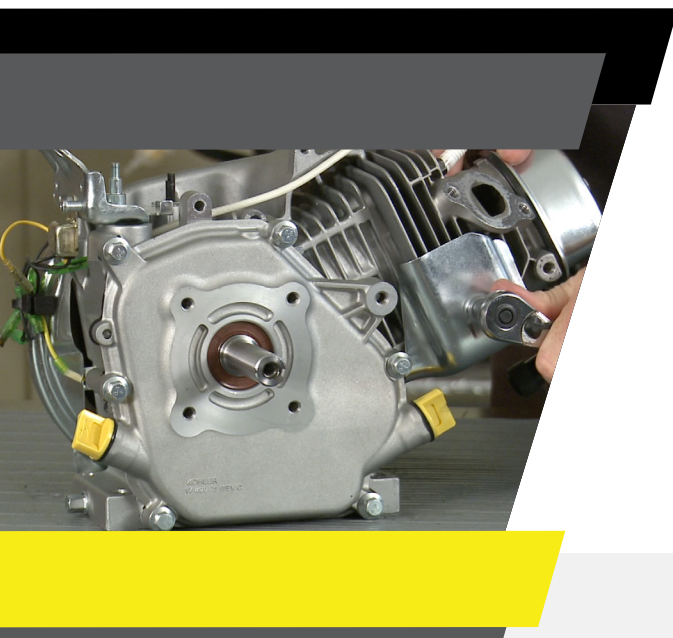




PRINCIPLES OF SMALL ENGINE TECHNOLOGY CERTIFICATION



The Equipment & Engine Training Council (EETC) Principles of Small Engine Technology Certification verifies competency in industry-standard equipment and tools needed to enter the outdoor power equipment industry.

CERTIFICATION EXAM

The certification exam, tested for on the iCEV platform, consists of 100 questions and assesses knowledge and skills from the following weighted industry standards:



60%

Engine Components & Operations Overview



10%

Assembly Procedures



10%

Tools, Parts & Equipment Identification and Management



10%

Disassembly Procedures



10%

Basic Troubleshooting, Repair, Service & Maintenance Procedures

MEETING THE INDUSTRY NEED



Assesses Competencies Based on Weighted Industry-Valued & Industry-Accepted Standards



Validates Knowledge & Skills



Allows Employers to Identify & Connect with Skilled Candidates



Jump-Starts Individuals' Careers

INDUSTRY STANDARDS BREAKDOWN

ENGINE COMPONENTS & OPERATIONS OVERVIEW

Engine Component Identification
(pistons, piston rings, wristpin, connecting rod, crankshaft, lifters, valves)
Engine Cooling Systems
Engine Oil & Lubrication Systems
Fuel System
Emission System
Electrical System
Governor System

TOOLS, PARTS & EQUIPMENT IDENTIFICATION AND MANAGEMENT

Precision Measuring Tools
Testing Instruments
Servicing Tools & Equipment
Hand Tools
Testing Tools & Equipment
Storage & Maintenance

DISASSEMBLY PROCEDURES

Preparation of Disassembly
Removal of Muffler Assembly
Removal of Levers & Linkage
Removal of Valve Cover Breather Assembly
Removal of Closure Plate

ASSEMBLY PROCEDURES

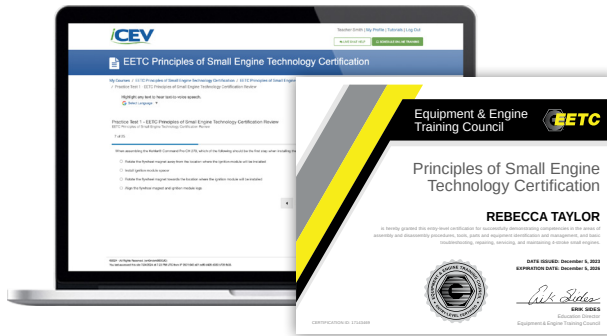
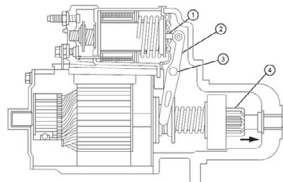
Installation of Oil Sentry
Installation of Flywheel
Installation of Ignition Module
Installation of Fuel Tank

BASIC TROUBLESHOOTING, REPAIR, SERVICE & MAINTENANCE PROCEDURES

Inspection of Parts
Evaluation of Parts for Wear Tolerance
Repairing Parts
(carburetor, recoil assembly, valve seats, piston rings)
Testing Procedures

EXAMPLE ASSESSMENT QUESTIONS

1. A completely blocked fuel filter will stop an engine, but a partially restricted filter can do which of the following?
 - A** Cause the air/fuel mixture to be rich
 - B** Cause the air/fuel mixture to be lean
 - C** Cause the engine to flood with gas
 - D** Cause the spark plug to fail
2. When assembling the Kohler® Command Pro CH 270, the throttle linkage and dampening spring attach to the carburetor's throttle assembly and which of the following?
 - A** Throttle arm
 - B** Governor arm
 - C** Hydraulic spring
 - D** Tension spring
3. Which of the following numbers in the illustration identifies the location of the starter drive gear?
 - A** 1
 - B** 2
 - C** 3
 - D** 4



TESTING PLATFORM

The Equipment & Engine Training Council utilizes iCEV as the testing platform for this certification.

iCEV fulfills the following responsibilities:

1. Provides secure testing technology for certification exams
2. Regulates testing environments
3. Works with secondary and post-secondary academic institutions, workforce development associations and the public at large to offer certification options for career advancement
4. Provides certification verification to employers for potential job applicants

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ABOUT EQUIPMENT & ENGINE TRAINING COUNCIL

The Equipment & Engine Training Council (EETC) is a non-profit association addressing the critical shortage of service technicians through its school accreditation and EETC technician certification programs. Membership is made up of industry professionals from manufacturers, distributors, dealers, educational institutions and associations.

"We strive to provide relevant and meaningful training opportunities for students providing them the first step on the pathway to a career within the power equipment industry..."

Erik Sides

Education Director

Equipment & Engine Training Council