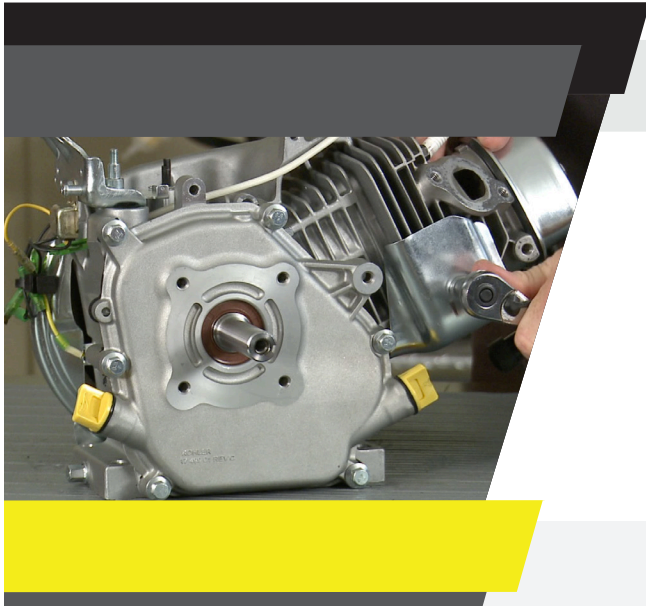




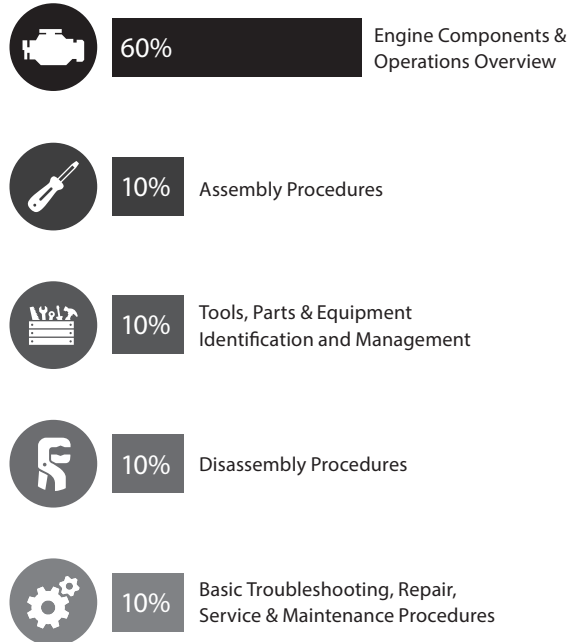
PRINCIPLES OF SMALL ENGINE TECHNOLOGY CERTIFICATION



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:



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

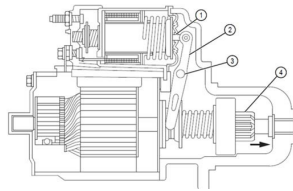
- Installation of Oil Sentry
- Installation of Flywheel
- Installation of Ignition Module
- Installation of Fuel Tank

BASIC TROUBLESHOOTING, REPAIR, SERVICE & MAINTENANCE PROCEDURES

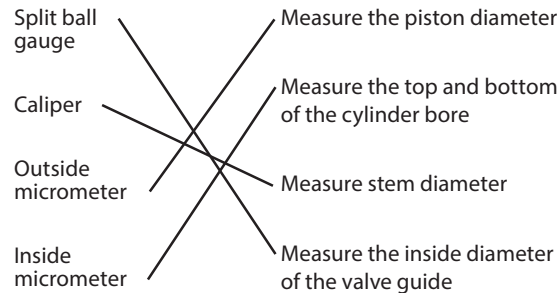
- Inspection of Parts
- Evaluation of Parts for Wear Tolerance
- Repairing Parts
(carburetor, recoil assembly, valve seats, piston rings)
- Testing Procedures

EXAMPLE ASSESSMENT QUESTIONS

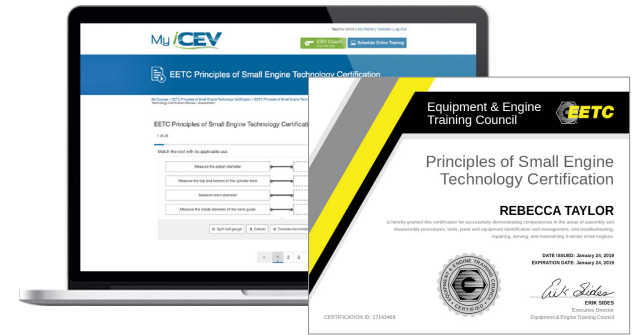
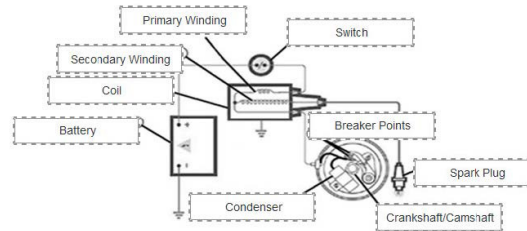
1. A completely blocked fuel filter will stop an engine, but a partially restricted filter can do which of the following?
 - A** Cause the air/fuel mixture to be rich
 - B** Cause the air/fuel mixture to be lean
 - C** Cause the engine to flood with gas
 - D** Cause the spark plug to fail
2. When assembling 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



4. Match the tool with its applicable use.



5. Label the breaker point ignition system components illustration using the word bank provided.



TESTING PLATFORM

The Equipment & Engine Training Council utilizes iCEV, a division of CEV Multimedia, 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
5. Offers optional certification exam preparation materials

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
Executive Director
Equipment & Engine Training Council