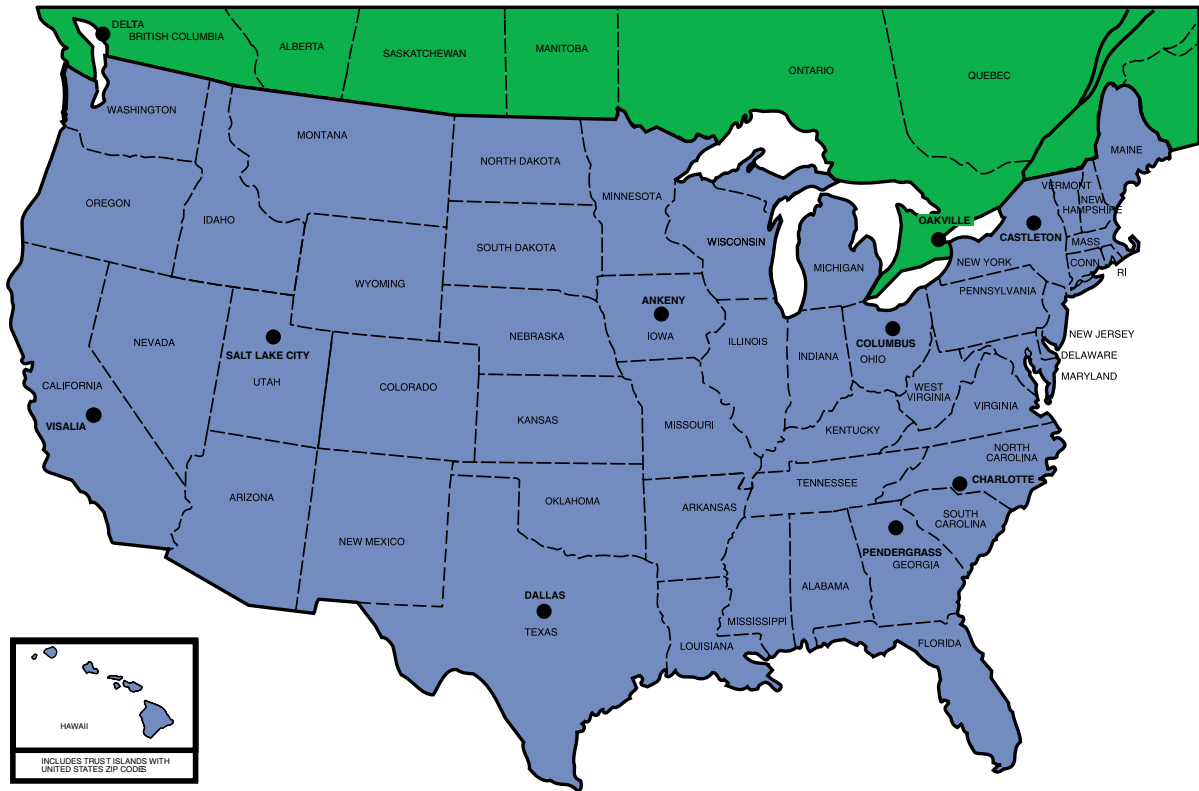




Time to get started.

- ▶ ENGINE TRAINING KITS
- ▶ COURSE OUTLINES
- ▶ INSTRUCTOR TRAINING
- ▶ TEXTBOOKS
- ▶ DVDs, CDs, POWERPOINTS

VOCATIONAL EDUCATION CONTACT INFORMATION



Power Distributors

Power Source Canada

POWER DISTRIBUTORS

Corporate Woods Industrial Park
810 SE Corporate Woods Dr.
Ankeny, Iowa 50021
Mike Blanc 800-554-3336 ext. 2332
michael.blanc@powerdistributors.com

20 Empire State Boulevard
Castleton, NY 12033
Mike Blanc 800-554-3336 ext. 2332
michael.blanc@powerdistributors.com

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Charlotte, NC 28216
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michael.blanc@powerdistributors.com

POWER DISTRIBUTORS

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Columbus, OH 43228
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POWER SOURCE CANADA, LTD

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Delta, BC V3M 6R9
Mike Gulley 289-851-4975
mgulley@powersourcecanada.ca

8400 Parkhill Drive
Milton, ON L9T 5V7
Mike Gulley 289-851-4975
mgulley@powersourcecanada.ca

To obtain pricing and order Briggs & Stratton® engine kits, parts, tools and other training materials, refer to the map above and contact our Integrated Distributor (IDN) that handles your region. You may fax, mail or email orders to the IDNs using a purchase order or credit card. Be sure to include a tax-exempt ID number if applicable. The IDN will provide details on shipping fees if applicable and time frame for delivery.

TABLE OF CONTENTS

INTRODUCTION

Briggs & Stratton Educational Philosophy	2
Air-Cooled Engine Industry Opportunities	3

TRAINING KITS

Basic Training Starter Kit (Engine Donation Program)	5
CE9001A OHV 950 Series™ Engine	6
CE9028A OHV 950 Series™ Engine Upgrade Module	8
CE9065 OHV 725 Series™ Engine Training Kit	9
CE9040A OHV 950 Series™ Engine	10
CE9041A OHV 950 Series™ Engine Replacement	11
CE9066 OHV 725 Series™ Engine Replacement	11
CE9053A Super-Sized OHV 950 Series™ Engine Replacement	12
CE9067 Super-Sized OHV 725 Series™ Engine Replacement	12
CE9056 Vanguard® V-Twin OHV	13
Quick Reference Kit Guide	14

TEACHING AIDS

Books and Manuals	15
DVDs - Theory Programs	20
DVDs - Maintenance & Troubleshooting	21
PowerPoint Training CDs	23
Instructor's Reference CDs/DVDs	24

SUMMER SCHOOLS FOR EDUCATORS

Dates and Locations	26
Factory Schools	27
Field Schools	30

MISCELLANEOUS

Specialty Tools	36
The PowerPortal.com	40



BRIGGS & STRATTON

Educational Philosophy

Let us do the work for you!

Our training kits are specifically built for you to use in your classroom and lab. They are designed with an unparalleled level of educational material, aimed at reducing your time spent writing curriculum, creating presentations and lab sheets.

Benefits of using Briggs & Stratton® Training Kits in your classroom may include:

- Materials that are developed with you and the student in mind – our materials make complex issues easier to teach.
- Daily lesson plans will take you through the semester. These were created by working with veteran teachers with years of industry experience.
- Ready to use step-by-step tear down and assembly scripted lab procedures.
- PowerPoint presentation that follows the textbook.
- Engaging video and animations that help clarify difficult concepts and will excite your students' interest.
- Provided tool list takes the guesswork out and reduces your operating cost.
- Over 100 years of experience from the subject-matter experts who literally wrote the book(s) on small engines.
- Keep current with industry and government standards.

Curriculum relevancy becomes increasingly important as your program is being squeezed by inflation and budget cuts. Offering a program in small engines will help reinforce the core educational competencies, Science, Technology, Engineering and Mathematics (STEM) as they are applied in the real world. Some examples include:

SCIENCE:

- How gasoline changes from a liquid to a vapor
- Electricity, electron flow, voltage, resistance, AC & DC current, electromagnetism

CHEMISTRY:

- How gasoline provides heat energy

PHYSICS:

- Linear and rotary motion
- Torque as a measurement of force

MATHEMATICS:

- How to measure materials to within .001 inch
- Calculating displacement and compression ratios

READING:

- How to use repair manuals

TECHNOLOGY:

- Online learning parts look-up (www.ThePowerPortal.com)

Nobody Provides More Small Engine Training Resources



Whether you are a first-year instructor or a seasoned expert, Briggs & Stratton has just the right mix of what you need to increase the students' knowledge retention through a multi-media classroom/lab experience.

- Briggs & Stratton offers soundly structured courses, teaching Air-Cooled Engine Theory and Repair Techniques.
- Over 100,000 engines are already in schools for use in courses relating to Air-Cooled Engine Theory and Servicing.
- Our engine technology materials are used and recognized globally, preparing students for entry to the job market.

The purpose of this catalog is to provide you with information on vocational education courses, teaching aids and training materials, as well as the newest technology available through Briggs & Stratton.

To find more information on the Internet, go to:

ThePowerPortal.com

If you have not already registered for an individual log-in ID, go to www.thepowerportal.com/register.htm or scan the 2D code with your smartphone.



Data rates apply.

AIR-COOLED ENGINE INDUSTRY OPPORTUNITIES

Job prospects should be excellent for people who complete formal training programs. Employers prefer mechanics that have knowledge of multiple types of engines and emissions-reducing technology as the government increases regulation of the emissions produced by small engines.

The potential market for service in any one year can be 100 million engines. The need for qualified technicians is enormous. The U.S. Department of Labor's Bureau of Labor Statistics states:

"As motorized power equipment becomes more sophisticated, employers increasingly prefer to hire mechanics who have completed formal training programs. Employment of outdoor power equipment mechanics is expected to grow 19 percent from 2012 to 2020."

<http://www.bls.gov/ooh/installation-maintenance-and-repair/small-engine-mechanics.htm>

As engine technology advances and engine power equipment becomes more complex, the skill level of these service technicians also needs to increase. These demands affect future service technicians produced by vocational, trade schools, and high schools. We believe that you, the instructor, along with Briggs & Stratton can meet this challenge.



ENGINE TRAINING KITS

Briggs & Stratton is the world's largest manufacturer of small air-cooled engines and a leading producer of engine powered equipment like portable and stand-by generators and pressure washers. We are the leader in providing a diverse line of educational training kits to support your programs.

We have many different levels of kits to match your needs. Whether your program is brand new, and you need a starting package, or a seasoned school looking for more advanced material, Briggs & Stratton has the educational materials for you. (Kit contents subject to change without notice.)

Industry advice, ongoing technical support, discounted parts, and engine purchases are available through the Integrated Distributors Network in North America. Information such as parts look-up and service bulletins are available online at ThePowerPortal.com.

There are four levels of kits available, all reasonably priced with school budgets in mind:

- **BASIC TRAINING STARTER KIT** - Provided at no charge by Briggs & Stratton to qualified accounts. Includes one engine and choice of 2 additional training items. See details on page 5.
- **ENTRY LEVEL KITS** - Contains two engines, textbooks, workbooks, basic tools and instructor's materials.
- **INTERMEDIATE LEVEL KITS** - Provide additional resources to supplement the Entry Level Kits or existing programs.
- **ADVANCED LEVEL KITS** - Contain engines, support materials and/or equipment for providing a complete in-depth program.

CE9028A - OHV 950 Series™ Engine Upgrade Module (pg. 8)



CE9065 - OHV 725 Series™ Engine Training Kit (pg. 9)



BASIC TRAINING STARTER KIT NORTH AMERICA ONLY

This kit is Briggs & Stratton's traditional Engine Donation Program. Once a year, an educational facility may apply for and receive one (1) Briggs & Stratton engine at no charge. In addition to the engine donation you may select any two (2) items from the list below. This kit is supplied by Briggs & Stratton at no cost to the qualifying school.

To participate, a school must meet all of the following requirements...

1. Have an on-going course in air-cooled gasoline engine theory and/or repair. This course may be either stand-alone or part of a broader curriculum in which air-cooled gasoline engine operation and servicing is a major component.
2. Agree that the no-charge materials supplied by Briggs & Stratton are the exclusive property of the school and are not to be considered as "belonging" to any individual instructor.
3. If the small engine training class is discontinued, the donated items are to be given to another school for the use of education.
4. Welcome any visitation by a Briggs & Stratton representative wishing to review the use of this material.
5. Complete and submit form provided on The Power Portal site along with a course outline.

Briggs & Stratton's Contribution

If the above criteria are met, you will receive from Briggs & Stratton:

- One (1) engine of Briggs & Stratton's choice.
- Two (2) items selected from the list below:

- CE3017** – Basic Engine Systems CD
- CE3056** – Fuel Delivery Systems CD
- CE3070** – 4-Cycle Theory DVD
- AM3006** – You.Powered.™ Banner
- 84003327** – Ignition Tester
- 795161** – Alcohol Tester
- CE5121** – Air Gap Gauge/Ruler
- 19638** – 4-Blade Feeler Gauge Set
- Repair Manual** – 1 per engine donated if available for the engine model sent (specs/manual can also be found on the Power Portal > Briggs & Stratton > Technical Information)

Annual Renewal Process

Once each year a school may re-apply for the same basic donation package. Renewal is not automatic. The instructor or school administrator must re-submit the required online application/agreement form.

How to Apply for Kit

Complete and submit the engine donation application and release of liability form online. Remember to upload a course outline.

Go to: ThePowerPortal.com - See Educational Resources > Educational Materials for Donation

NOTE: Items will be shipped freight prepaid; however, some fees may apply to orders shipped outside the continental United States. Please allow 6 to 8 weeks for delivery.

Engine model is subject to availability and may differ from what is shown in the photo.

any 2:

- CE3017** – Basic Engine Systems CD
- CE3056** – Fuel Delivery Systems CD
- CE3070** – 4-Cycle Theory DVD
- AM3006A** – You.Powered.™ Banner (48" x 28")
- 84003327** – Ignition Tester
- 795161** – Alcohol Tester
- CE5121** – Ruler/Air Gap Gauge
- 19638** – 4-Blade Feeler Gauge Set
- Repair Manual** (1 per engine donated)

CE9001A – OHV 950 Series™ Engine Training Kit (10 Engines)

ADVANCED KIT – Complete Curriculum for 20 students.



This complete course curriculum is refined from the Briggs & Stratton Authorized Field Service School, widely acclaimed as the best small engine training school in the industry. Developed from years of training experience and built around a textbook written by the Briggs & Stratton Customer Education Department, you are assured a thorough, in-depth study of Briggs & Stratton engines. Included with the purchase of this kit is attendance to a 3 or 4 day CTE Training Course of your choice.* Once trained with curriculum in place, the instructor will be able to provide a comprehensive and accurate small gasoline engine program for the students.

New instructors will benefit from having a complete day-to-day lesson plan. For more advanced classes it is relatively simple to construct a custom made program based on your needs from the textbook table of contents or your experiences at the instructor training session. It is beneficial for instructors to have some air-cooled engine or automotive/motorcycle/marine engine experience before attending advanced courses.

Included in this package is a DVD containing video and PowerPoint presentations, outlines for the instructor to develop competence, and two methods for teaching the course curriculum.

The combination of textbooks, student workbooks, repair manuals and audio/visual training aids allows tremendous flexibility in how to teach various subjects. The extensively illustrated textbook is the “why”, the repair manuals the “how” and the workbooks containing the student labs are the “reinforcement.”

***See pages 26-35 for school dates, locations and an application.**

NEW ADDITION (\$360.00 Value)

Small Engines Online Instructor Resources

ATP's *Small Engines* Online Instructor Resources provide access to detailed instructional plans (lesson plans), Premium PowerPoint® presentations, an image library of all the illustrations in the textbook, assessments (test banks), and answer keys, plus other useful tools to aid instruction and enhance learning.

Go to www.atplearning.com/product/1070/small-engines-instructor-resources-ir-complete-online-package to learn more about this newly added item to the CE9001A OHV Engine Training Kit.



CE9001A – OHV 950 Series™ Engine Training Kit Parts List

ITEM	DESCRIPTION	PART #	QTY
Engines	OHV Engine	130G32-0022-F1	10
Support Parts	Engine Gasket Set	84004333	10
Support Parts	Crankcase Cover Gasket	590608	30
Support Parts	Head Gasket	591445	30
Support Parts	Ring Set	592957	4
Support Parts	Flywheel Key	797286	20
Repair Manual	Model 13 OHV Repair Manual	381573EN	20
Textbook	<i>Small Engines</i> Textbook	CE8020	20
Workbook	<i>Small Engines</i> Workbook	CE8021	20
Workbook Answer Key	<i>Small Engines</i> Workbook Answer Key	CE8022	1
CD	Basic Engine Systems CD	CE3017	1
CD	Fuel Delivery Systems CD	CE3056	1
DVD	OHV 950 Series™ Engine Instructor Reference DVD with Lesson Plans & Lab Procedures	CE3137	1
DVD	4-Cycle Theory DVD	CE3070	1
DVD	Theories of Operation I DVD	CE3013	1
DVD	Theories of Operation II DVD	CE3029	1
Specialty Tool	Ruler/Air Gap Gauge	CE5121	12
Specialty Tool	Ring Expander	19340	2
Specialty Tool	Torque Wrench	19393	2
Specialty Tool	Multimeter	19602	2
Specialty Tool	DC Amp Shunt	19468	2
Specialty Tool	Alcohol Tester	795161	5
Specialty Tool	Basic Tool Kit	19300	5
Digital Resources	<i>Small Engines</i> Online Instructor Resources (IR)	Access Card will be mailed to instructor directly	
Training	Instructor Course included with CE9001A Kit purchase	—	1

NOTE: Red Bold items are considered “consumable” and will need to be replenished on a regular basis. These engines are now equipped with metric fasteners.

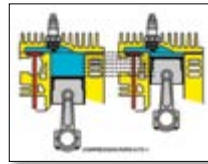
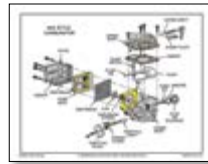
CE9028A – OHV 950 Series™ Engine Upgrade Module (10 Engines)

The Overhead Valve Upgrade Module is an excellent way for schools with established air-cooled engine programs to upgrade to more modern components.



CE9028A is one of our most popular kits similar to the larger CE9001A kit, but without some of the specialty tools and repair manuals.

- Perfect for schools with an existing small engine program
- Helps schools stay up-to-date with current technology



ITEM	DESCRIPTION	PART #	QTY
Engines	OHV Engine	130G32-0022-F1	10
Support Parts	Engine Gasket Set	84004333	13
Support Parts	Crankcase Cover Gasket	590608	10
Support Parts	Flywheel Key	797286	10
Specialty Tool	Flywheel Strap Wrench	19433	3
Specialty Tool	Ring Expander	19340	3
Specialty Tool	Piston Ring Compressor	19070	3
Repair Manual	Model 13 OHV Repair Manual	381573EN	10
PowerPoint CD	Basic Engine Systems	CE3017	1
PowerPoint CD	Fuel Delivery Systems	CE3056	1
DVD	OHV 950 Series™ Engine Instructor's Reference DVD with Lesson Plans & Lab Procedures	CE3137	1

Note: Red Bold items are considered “consumable” and will need to be replenished on a regular basis. These engines are now equipped with metric fasteners.

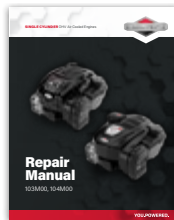
CE9065 – OHV 725 Series™ Engine Training Kit (2 Engines)

ENTRY LEVEL KIT - One of the most widely used engines for walk-behind lawn mower applications.



CE9065 is designed for schools needing a basic entry-level kit

- Intended for smaller class sizes
- Get hands-on experience with vertical shaft lawn mower engines
- CDs, textbook and workbook to help instructors enhance students' learning experience



ITEM	DESCRIPTION	PART #	QTY
Engines	Overhead Valve Vertical Shaft Engine	104M02-0021-F1	2
Repair Manual	Model 104M00 Repair Manual	80029329EN	4
Textbook	<i>Small Engines</i> Textbook	CE8020	4
Workbook	<i>Small Engines</i> Workbook	CE8021	4
Answer Key	<i>Small Engines</i> Workbook Answer Key	CE8022	1
Specialty Tools	Basic Tool Kit	19300	1
DVD	4 Cycle Theory	CE3070	1
DVD	Theories of Operation	CE3013	1
CD	OHV 725 Series™ Engine Instructor's Reference CD	CE3140	1

CE9040A – OHV 950 Series™ Engine Training Kit (2 Engines)

Used in generator, pressure washer, roto-tiller and other applications.



CE9040A is also designed for schools needing a basic entry-level kit

- Intended for smaller class sizes
- Get hands-on experience with horizontal shaft, overhead valve engines
- DVDs, textbook and workbook, to help instructors enhance students' learning experience



ITEM	DESCRIPTION	PART #	QTY
Engines	OHV Engine	130G32-0022-F1	2
Repair Manual	Model 13 OHV Repair Manual	381573EN	4
DVD	OHV 950 Series™ Engine Instructor's Reference DVD with Lesson Plans & Lab Procedures	CE3137	1
DVD	4-Cycle Theory DVD	CE3070	1
DVD	Theories of Operation DVD	CE3013	1
Textbook	<i>Small Engines</i> Textbook	CE8020	4
Workbook	<i>Small Engines</i> Workbook	CE8021	4
Workbook Answer Key	<i>Small Engines</i> Workbook Answer Key	CE8022	1
Specialty Tools	Basic Tool Kit	19300	1

CE9041A – OHV 950 Series™ Engine Replacement Training Kit (5 Engines)

Use this kit to economically replace engines in the **OHV Engine Training Kit CE9001A (pg. 6)** or supplement other training kits.



- Includes instructor's DVD with daily lesson plans and lab procedures
- Engine photos
- Teardown script

ITEM	DESCRIPTION	PART #	QTY
Engines	OHV Engine	130G32-0022-F1	5
DVD	OHV 950 Series™ Engine Instructor's Reference DVD with Lesson Plans & Lab Procedures	CE3137	1

CE9066 – OHV 725 Series™ Engine Replacement Training Kit (5 Engines)

This kit can be used for schools that have an existing program for OHV style engines.



CE9066 enables a school to have a low cost solution to replace worn-out training engines

- Instructor CD to help enhance students' learning experience
- Includes the worldwide industry standard 725 Series™ engine used on many walk-behind rotary lawn mowers
- Engine photos

ITEM	DESCRIPTION	PART #	QTY
Engines	Overhead Valve Vertical Shaft Engine	104M02-0021-F1	5
CD	OHV 725 Series™ Engine Instructor's Reference CD	CE3140	1

CE9053A – Super-Sized OHV 950 Series™ Engine Replacement Kit (12 Engines)

Replace worn-out engines or expand programs so all students have identical engines to learn the essentials.



CE9053A contains 12 OHV horizontal crankshaft engines that are common in tillers, pressure washers and generators. The kit also includes the CE3137 Instructors DVD containing:

- Detailed lesson plans
- Student lab sheets
- PowerPoint of engine disassembly & reassembly
- 4-cycle theory video
- Engine photos for creating your own customized presentation

ITEM	DESCRIPTION	PART #	QTY
Engines	OHV Engine	130G32-0022-F1	12
DVD	OHV 950 Series™ Engine Instructor's Reference DVD with lesson plans & lab procedures	CE3137	1

CE9067 – Super-Sized OHV 725 Series™ Engine Replacement Kit (12 Engines)

Replace worn-out engines or expand programs so all students have identical engines to learn the essentials.



CE9067 contains 12 OHV 725 Series™ vertical crankshaft engines; the most popular rotary lawn mower engine in the world. The kit also includes the CE3140 Instructors CD containing:

- PowerPoint of engine disassembly & reassembly
- 4-cycle theory video
- Engine photos for creating your own customized presentation

ITEM	DESCRIPTION	PART #	QTY
Engines	Overhead Valve Vertical Shaft Engine	104M02-0021-F1	12
CD	OHV 725 Series™ Engine Instructor's Reference CD	CE3140	1

CE9056 – Vanguard® V-Twin OHV Engine Kit (2 Engines)

The Vanguard® V-Twin Engine Kit will give you the opportunity to elevate your classroom to an advanced level. It will give your students the chance to discover the working mechanisms of multi-cylinder engines. In addition, they will have the opportunity to understand the refinement of the Vanguard brand.



CE9056 is designed to take the more advanced learners to the next level. The V-Twin Engine Kit can give your students a new appreciation of the larger and more powerful engine designs. Get hands-on experience with twin cylinders, pressurized lubrication, electric start and alternators. This kit includes gasket sets, repair manuals and a CD containing:

- PowerPoint engine disassembly and reassembly
- V-Twin teardown script
- V-Twin Model 305447 class outline
- Illustrated Parts List for Model 305447
- Required tool list
- How to look up parts and Operator Manuals
- Oil and fuel recommendations
- And more

ITEM	DESCRIPTION	PART #	QTY
Engines	Vanguard® V-Twin OHV Engine	305447-0615-F1	2
Support Parts	Gasket Set	841188	4
Repair Manual	Vanguard V-Twin OHV Repair Manual	272144	4
CD	V-Twin Engine Instructor's Reference CD	CE3125	1

Note: **Red Bold** items are considered “consumable” and will need to be replenished on a regular basis. These engines are now equipped with metric fasteners.

QUICK REFERENCE KIT GUIDE

Item	Description	Part No.	CE9001A	CE9028A	CE9040A	CE9041A	CE9053A	CE9056	CE9065	CE9066	CE9067
Engines	OHV 725 Series™	104M02-0021-F1							2	5	12
Engines	Vanguard® V-Twin OHV	305447-0615-F1						2			
Engines	OHV 950 Series™	130G32-0022-F1	10	10	2	5	12				
Support Parts	Engine Gasket Set	84004333	10	13							
Support Parts	Crankcase Cover Gasket	590608	30	10							
Support Parts	Head Gasket	591445	30								
Support Parts	Ring Set	592957	4								
Support Parts	Flywheel Key	797286	20	10							
Repair Manual	Single Cylinder L-Head	270962	1								
Repair Manual	Vanguard V-Twin OHV	272144	1					4			
Repair Manual	OHV Single Cylinder	276781	1								
Repair Manual	Model 13 OHV	381573EN	20	10	4						
Repair Manual	Model 104M00	80029329EN							4		
Textbook	<i>Small Engines</i> Textbook	CE8020	20	4					4		
Workbook	<i>Small Engines</i> Workbook	CE8021	20	4					4		
Workbook Answers	<i>Small Engines</i> Workbook Answer Key	CE8022	1	1					1		
CD	V-Twin Engine Instructor's Reference	CE3125						1			
DVD	Theories of Operation I	CE3013	1	1					1		
CD	Basic Engine Systems	CE3017	1	1							
DVD	Theories of Operation II	CE3029	1								
CD	OHV 725 Series™ Instructor's Reference	CE3140							1	1	1
CD	Fuel Delivery Systems	CE3056	1	1							
DVD	4-Cycle Theory	CE3070	1		1				1		
DVD	OHV 950 Series™ Instructor's Reference	CE3137	1	1	1	1	1				
Specialty Tool	Basic Tool Kit (see pg. 36 for complete contents)	19300	5		1				1		
Specialty Tool	Ruler/Air Gap Gauge	CE5121	12								
Specialty Tool	Ring Compressor	19070		3							
Specialty Tool	Torque Wrench	19393	2								
Specialty Tool	Ring Expander	19340	2	3							
Specialty Tool	Flywheel Strap Wrench	19433		3							
Specialty Tool	DC Amp Shunt	19468	2								
Specialty Tool	Multimeter	19602	2								
Specialty Tool	Alcohol Tester	795161	5								

TEACHING AIDS - BOOKS & MANUALS

- CE8020** – *Small Engines* Textbook
- CE8021** – *Small Engines* Workbook
- CE8022** – *Small Engines* Workbook Answer Key

4th Edition!



Small Engines provides the basis for a complete small engine technician training program. It is designed for technicians in the small engines industry, for those preparing for the Master Service Technician Exam, and for students in power technology, outdoor power equipment, automotive, and engineering programs. This fourth edition includes objectives and review sections for each chapter as well as updated and expanded coverage of electronic fuel injection (EFI), lithium ion (Li-ion) batteries, and quiet power technology (QPT).

Fundamental small engine operation principles are presented using concise text, detailed illustrations, and photographs. The principles of small engine operation are presented, including compression, fuel, governor, electrical, cooling, and lubrication systems. Troubleshooting methods and failure analysis techniques are presented and reinforced with common industry applications. Information on engine selection offers an overview of pertinent engine selection factors.

Small Engines is supported by a Student Workbook containing review questions on three different levels addressing the skills and acquired knowledge of beginners, intermediate students and those with advanced capabilities.

The *Small Engines* Workbook Answer Key contains the answers to the lessons provided in the Student Workbook.

CE8186 – Engine Failure Analysis Reference Guide



This 58-page book details the five most common causes of engine failures. A thorough discussion of the “how and why” of each failure along with supporting diagrams and photographs assist the technician in determining engine failures.

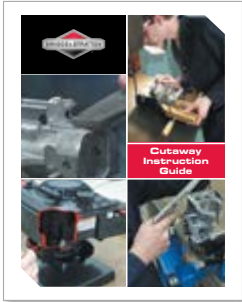
CE8069 – Repair Manual 1919-1981 (Antique Repair Manual)



This manual covers all out-of-production Briggs & Stratton Single Cylinder engines built in years 1919-1981. From the original model “A” to model series used in 1981, this book has the specifications, diagrams and instructions necessary to restore your “antique” engine to good-as-new condition.

For prices and ordering, see the inside front cover for your regional source of supply contact.

CE8147 – Cutaway Instruction Guide



This 88-page book is designed to give any individual looking for basic guidance in making a training prop. The content is limited to a basic approach and requires a clear understanding of hand tools and power tools in a safe and responsible fashion. Your imagination is the only thing that will limit what you can accomplish.

CE8155 – Small Engine and Equipment Maintenance



Small Engine and Equipment Maintenance is a comprehensive compilation of small engines and the maintenance practices that are required to maintain the efficiencies and durability of residential and commercial power equipment. The materials have been designed to support an entry-level small engines program and a small engines owner looking to prolong their power equipment investment.

Quick response code technology is incorporated throughout that references easy-to-understand procedures and identifies critical operation components. The learner will reference this well after they leave the classroom.

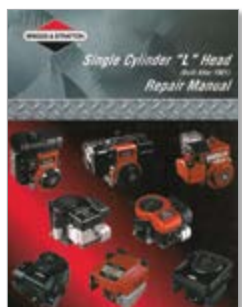


MS2288BK – Alternator Specifications



These ring-bound cards supply information on the different alternator systems provided by Briggs & Stratton. An "Introduction" and "How To Use" page is included.

270962 – Single Cylinder L-Head Repair Manual



For most single cylinder L-Head engines built after 1981. Shop manual contains common specifications and detailed, easy-to-follow instructions on how to adjust, tune up and repair. This 350-page manual is used by Authorized Briggs & Stratton Service Centers.

271172 – Twin Cylinder L-Head



For most twin cylinder L-Head engines built after 1981. Manual contains common specifications and detailed, easy-to-follow instructions on how to adjust, tune up and repair. This manual is used by Authorized Briggs & Stratton Service Centers.

272144 – Twin Cylinder OHV Vanguard®



For Vanguard® V-Twin OHV engines built after 1981. This 190-page manual is dedicated to Vanguard engines. It is used by Authorized Briggs & Stratton Service Centers. It contains specifications and detailed instructions on how to repair and adjust these types of engines.

For Vanguard Single Cylinder Engines use Repair Manual 272147.

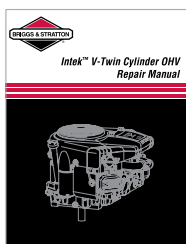
272147 – Single Cylinder OHV Vanguard



For most single cylinder OHV Vanguard engines built after 1981. This 280-page manual is now dedicated to Vanguard engines and is used by Authorized Briggs & Stratton Service Centers. It contains specifications and detailed instructions on how to repair and adjust these types of engines.

For other OHV Single Cylinder Engines use Repair Manual 276781.

273521 – Intek™ V-Twin Cylinder OHV Repair Manual



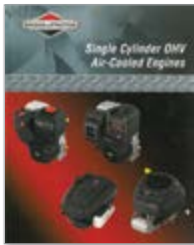
Repair manual for Intek™ V-Twin overhead valve (OHV) engines. Model series 405700, 406700, 40F700, 40G700, 40H700, 445700 and 446700.

276535 – 2-Cycle Snow Engine Repair Manual



Repair manual for 2-cycle R-Tek snow engines.

276781 – Single Cylinder OHV Repair Manual



For most single cylinder OHV engines built after 1981. This manual is used by Authorized Briggs & Stratton Service Centers. It contains specifications and detailed instructions on how to repair and adjust this type of engine.

For Vanguard® Single Cylinder Engines use Repair Manual 272147

277527 – 700/750 Series™ DOV® Repair Manual



Repair manual for Direct Overhead Valve (DOV®) Air-Cooled Engines.

279000 – Single Cylinder OHV Professional Series™ Repair Manual



For single cylinder vertical crankshaft Professional Series™ OHV engines built after 1981. This manual is used by Authorized Briggs & Stratton Service Centers. It contains specifications and detailed instructions on how to repair and adjust this type of engine.

381570EN – Model 10 OHV Repair Manual



Repair manual for model series 106200, 10R200, 10U200 Single Cylinder OHV Air-Cooled Engines.

381569EN – Model 83100 Repair Manual



Repair manual for model series 83100 550 Series™ Single Cylinder OHV Air-Cooled Engines.

381573EN – Model 130G00 OHV Repair Manual



Repair manual for model series 130G00, 131G00, 13R200, 13U100, 13U200 Single Cylinder OHV Air-Cooled Engines.

80029329EN – Model 104M00 OHV Repair Manual

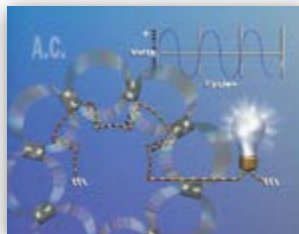
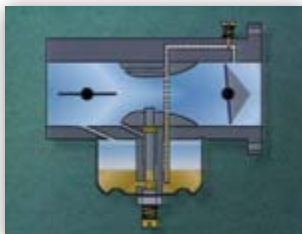


Repair manual for model series 130M00, 104M00 Single Cylinder OHV Air-Cooled Engines.

DVDS - THEORY PROGRAMS

While most of these video programs have been developed for service dealer schools, these programs can also serve the needs of vo-ed students. All video programs are recorded on DVD.

CE3013 - Theories of Operation - Volume 1 DVD



This is a series of four distinct programs (64 minutes total) on a single DVD. These selections cover four basic topics which are vital to understanding the operation of a 4-cycle engine.

1. Carburetor Theory
2. Valve Theory and Repair Procedures
3. Governor Theory and Troubleshooting
4. Electrical System (Alternator Theory)

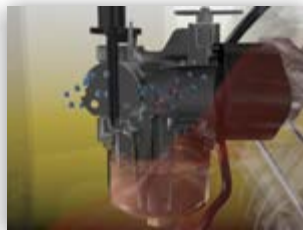
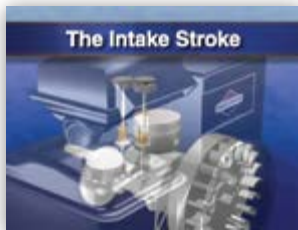
CE3029 - Theories of Operation - Volume 2 DVD



This serves as a companion video (25+ minutes) to Theories of Operation - Volume 1. It contains the following advanced topics:

1. Horsepower and Torque: explains torque as a rotational force and horsepower as a calculation of work performed.
2. Advanced Carburetion Theory: a brief review of theory and basic carburetor physics followed by state-of-the-art computer animated graphics.

CE3070 – 4-Cycle Theory DVD



This video (6 minutes) is the foundation for understanding how an engine operates and is the cornerstone of a small engine class. Basic 4-cycle theory is described through the use of high-end computer generated graphics.

CE3097 – Water Pump & Pressure Washer Theory & Troubleshooting DVD



This DVD (42 minutes) is an excellent presentation on the operational theory of water pumps and pressure washers. Various principles of physics, liquids, and creating pressure differentials are explained in making this equipment work. 3-D and animation graphics clearly document the coordination of all the operating systems. The principles of operation and basic equipment troubleshooting is covered in this DVD. Maintenance and parts nomenclature are also included.

DVDS - MAINTENANCE & TROUBLESHOOTING PROGRAMS

CE3069 – Briggs & Stratton Story DVD



This video (50 minutes) covers the Briggs & Stratton story, history, products and commitment to supporting customers worldwide. Includes two engine plant tours (small and large engines). Show your students how an engine is built!

CE3091 – Archived Service Information DVD



This video (56 minutes) is a collection of four important service procedures, all on a single DVD.

1. Cylinder Resizing (12 minutes) - In addition to the actual resizing procedure, importance is given to describing the relationship between the cylinder bore and piston rings as well as a discussion on cylinder bore wear.
2. Repairing Rewind Starters (16 minutes) - The classic “3 minute rewind starter repair” is demonstrated in step-by-step detail.
3. 4 HP 2-Cycle Theory of Operation (13 minutes) - The third port loop scavenge design is explored.
4. Electrical Systems: Ignition, Charging & Starting (15 minutes) - Covers basic theory with simple troubleshooting as it relates to Briggs & Stratton electrical systems.

CE3101 – Electrical Testing - Voltage Drops, Increasing Profit



Learn how to pinpoint a problem in an electrical circuit by using voltage drop testing. Quickly show where a circuit has resistance (defective components, corrosion, etc.) not allowing it to perform properly.

The goal of any servicing dealer is to make a profit by taking care of customers. This video looks at measuring several key variables such as selling, shop time, technician output and margin targets.

CE3113 – Dynamics of Engine Failure DVD



This video (55 minutes) sets the scene with various scenarios of different engine failures. The failures covered are abrasive ingestion, insufficient lubrication, over heating and breakage. The video can be used as a stand-alone presentation on engine failures.

This DVD has an additional PowerPoint presentation on the five common causes of engine failures, all supported by embedded video segments. The failures include abrasive ingestion, insufficient lubrication, over heating, over speeding and breakage. You will be able to show the evidence of the failure and explain how and why it happened.

Also enclosed is a PDF version of our Major Engine Failure Analysis book (CE8034). This book serves as a printed resource for the students to follow using the above presentations.

CE3114 – Diagnostics - Volume I DVD



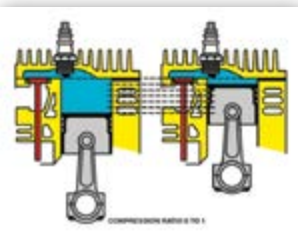
This DVD is a series of videos explaining different diagnostic approaches.

- **Quick Check Diagnostics**, (10 minutes) - A troubleshooting video using a procedure based upon an interview process with a customer. This procedure enables a technician to quickly look at a piece of equipment to help determine what is wrong.
- **Compression Diagnostics**, (38 minutes) - This video enables the student to truly understand 4-cycle theory and the components behind it. Time will also be devoted to performing a 3-angle valve job which enhances engine performance.
- **Quick Flow Diagnostics**, (15 minutes) - After initially troubleshooting a piece of equipment when it comes in, which technician should work on it? This video helps to develop a process on how to quickly and effectively get the piece of equipment through the shop.
- **Carburetion Diagnostics**, (18 minutes) - Why doesn't the engine start? Or, why does the engine run poorly? This video looks at all of the functions of the carburetor and gives the student a clear understanding of symptoms and what causes them.

All of the above videos are supported with a PDF booklet included on the disk.

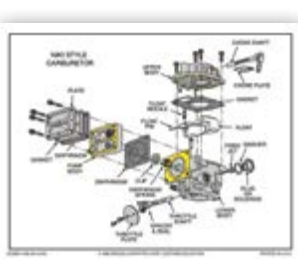
POWERPOINT TRAINING CDS

CE3017 – Basic Engine Systems



Contains 86 slides of 4-Cycle and 2-Cycle theory – L-Head, Overhead Valve (OHV), Direct Overhead Valve (DOV®) engine designs, governors, compression ratio, compression release systems, rings, cubic inch displacement, lubrication systems and counter balancing systems. Highly recommended for the beginner...it's the cornerstone of a small engine program.

CE3056 – Fuel Delivery Systems



Contains 107 slides of basic carburetion systems diagramming common Briggs & Stratton carburetors and fuel pump circuits.



CE3093 – L-Head Vertical Engine Instructor's Reference CD



Includes detailed step-by-step teardown script for the popular Briggs & Stratton 625-725 Series™ vertical crankshaft engine, PowerPoint slides, course outline and photo library to create customized slides.

CE3094 – Overhead Valve (OHV) Engine Instructor's Reference CD



Includes a detailed step-by-step teardown script for the Model 12 OHV 900 Series™ horizontal crankshaft engine, PowerPoint slides, course outline and photo library to create customized slides.

CE3095 – Portable Generator Instructor's Reference CD



Includes electrical theory, detailed step-by-step teardown scripts for Briggs & Stratton 3500 watt and 4000 watt generators, generator and engine PowerPoint slides, test equipment usage, course outline and photo library to create customized slides.

CE3125 – V-Twin Engine Instructor's Reference CD



Includes detailed step-by-step teardown script for the popular Briggs & Stratton Vanguard™ V-Twin OHV engine, PowerPoint slides, course outline and photo library to create customized slides.

CE3129 – L-Head Horizontal Engine Instructor's Reference CD



Includes detailed step-by-step teardown script for the Briggs & Stratton Model 9/400 Series™ horizontal crankshaft engine. PowerPoint slides, course outline, and photo library to create customized slides.

CE3137 – OHV 950 Series™ Engine Instructor's Reference DVD



The information on this DVD will provide instructors with basic techniques needed to teach small engine technology. There are two methods enclosed for teaching the course curriculum. The first method, developed by a high school teacher with over 30 years of experience, utilizes a complete lesson plan for an 8-9 week class taught at the appropriate level.

The second method can utilize the additional information on this DVD. These materials will be helpful for a class that is giving an overview of small engines, versus a full semester class.

Includes detailed step-by-step teardown script for the new Model 130G00 OHV 950 Series™ horizontal shaft engine.

CE3140 – 725 Series OHV Vertical Shaft Engine Instructor's Reference CD



Includes scripted engine teardown and reassembly, PowerPoint of teardown and reassembly. Parts list, tool list, 4-cycle theory video, literature and more!

Announcing Briggs & Stratton Summer Schools for Educators

FACTORY SCHOOL (4 day)	June 8-11, 2020	Beginner	Briggs & Stratton Training Center Menomonee Falls, WI
FACTORY SCHOOL (4 day)	Revised Course Coming in 2021	Experienced	<i>Unfortunately, we will not be offering our experienced training in 2020 due to revamping the curriculum and scheduling issues – check back next year for 2021 class dates.</i>
FIELD SCHOOL (3 day)	June 2-4, 2020	Beginner	Blue Valley High School Randolph, KS
FIELD SCHOOL (3 day)	June 9-11, 2020	Beginner	Sam Houston State University Huntsville, TX
FIELD SCHOOL (3 day)	June 23-25, 2020	Beginner	Sauk Valley Community College Dixon, IL
FIELD SCHOOL (3 day)	July 28-30, 2020	Beginner	Southern Arkansas University Magnolia, AR
FIELD SCHOOL (3 day)	August 11-13, 2020	Beginner	Cayuga-Onondaga BOCES Auburn, NY

See following pages for more details



CTE INSTRUCTOR FACTORY SERVICE TRAINING

Briggs & Stratton conducts Factory Service Training for CTE Instructors. These schools not only cover the operation and theory behind Briggs & Stratton air-cooled engines, but also offer specific insights in developing teaching aids such as carburetor cut-a-ways, and other ideas.

BEGINNER'S CTE INSTRUCTOR SCHOOL

SCHEDULED DATES: JUNE 8-11, 2020

WHAT IS IT?

If you are an instructor who is relatively new teaching small engine technology, then this is where you will want to start.

By attending this course you will have received enough knowledge and confidence to be able to conduct your own basic small engine class. This program will follow lesson plans designed for high schools that can be found on our Overhead Valve (OHV) Engine Instructor's Reference CD. It is intended to walk you through each of the same steps you would use in your classroom and lab. You will perform a complete teardown on a horizontal shaft OHV engine. In addition, you will receive an assortment of training materials from CDs that contain lesson plans, PowerPoint presentations, teardown scripts and more, so that you will be able to teach the same concepts and procedures in your own classroom.

COVERED TOPICS:

- The use of learning materials to deliver a full small engine course.
- How to properly identify a Briggs & Stratton engine along with how to obtain support information.
- How to access useful information via Briggs & Stratton's websites (If you have a laptop computer with wireless Internet capabilities, be sure to bring it with you!)
- Four-cycle theory will be explored thoroughly through the use of multimedia.
- Hands-on tear down of a 13 cubic inch OHV engine.
- Explanations of engine systems from A to Z, including:
 - Carburetors
 - Governors
 - Fuel & Oil
 - Compression
 - Ignition

WHO SHOULD ATTEND?

- Training professionals that are in need of a thorough refresher or have little knowledge of basic small engines and 4-cycle theory.
- Instructors who have never taught an engines course before.
- Teachers who are looking for pre-existing curriculum and instructions on how to best apply it in class.

PREREQUISITE: None.



EXPERIENCED CTE INSTRUCTOR SCHOOL

SCHEDULED DATES: REVISED COURSE COMING IN 2021!

UNFORTUNATELY, WE WILL NOT BE OFFERING OUR EXPERIENCED TRAINING IN 2020 DUE TO REVAMPING THE CURRICULUM AND SCHEDULING ISSUES - CHECK BACK NEXT YEAR FOR 2021 CLASS DATES. SORRY FOR ANY INCONVENIENCE!

COURSE PACKAGE AMENITIES

- Lodging (individual room)
- Breakfast & Lunch on Day(s) of Class
- 1 Dinner Banquet
- All Course Materials
- Transportation Between the Training Facility and Place of Lodging
- Framed Certificate to Qualifying Graduates
- Network with Fellow Instructors
- Personal Attention (Typical Class Size is 20 Students)
- Please make travel arrangements to arrive the day before class starts (Sunday) and to depart after class ends (Friday morning).

COURSE FEES

Course Title	Course Fee (Includes Lodging)	Course Fee (No Lodging)	MST Fee (Lodging Fee Only)	Instructor with CE9001A Kit Purchase
Beginner's CTE Instructor School	\$1,000.00	\$500.00	\$500.00	FREE
Experienced CTE Instructor School	Not offered in 2020; check back next year for 2021 class dates.			

- Active MSTs receive free admission at each training course (excludes lodging or transportation to/from Milwaukee).
- Purchasers of CE9001A Training Kit receive one FREE course (includes lodging, excludes transportation to/from Milwaukee).
 - **FREE course offer is valid for up to 2 years from date of purchase of CE9001A Training Kit.**
 - **Include copy of invoice for CE9001A Training Kit with application.**
- We're so confident you'll be pleased with your experience that we offer a money-back guarantee if you are not satisfied with your training.

NOTE: All classes are held at the Briggs & Stratton Training Center in Menomonee Falls, WI. Briggs & Stratton reserves the right to cancel a scheduled course up to 10 days prior to the start date. If a cancellation does occur, Briggs & Stratton will promptly notify you of alternate dates available, but will not accept liability for non-refundable travel tickets.



2020 FACTORY SERVICE TRAINING COURSES APPLICATION

Courses held at Briggs & Stratton's Customer Education Training Facility in Menomonee Falls, WI

Date of Application _____

School/Organization _____ Address _____

Telephone Number _____ City _____

Fax Number _____ State _____ Zip _____

E-Mail _____ Yrs of Industry/Teaching Experience _____

Applicant Name _____ Male/Female _____

Home Address _____ City _____

State _____ Zip _____ Cell or Home Number _____

Course:

- Beginner - June 10-13, 2020
- Experienced - Not offered in 2020; check back next year for 2021 class dates.

Customer Education & the EETC



Briggs & Stratton is a strong supporter of the Equipment and Engine Training Council (EETC). The EETC is deeply involved in two distinct areas, technician certification and school accreditation.

Attending a Briggs & Stratton course will help the technicians with fundamental knowledge that can be applied to EETC certification tests. Additional information can also be supplied to Vo-Ed Instructors for developing an accredited EETC educational facility. For additional EETC information, visit www.eetc.org.

- CTE Instructors please attach a copy of the invoice for the CE9001A Training Kit if you purchased one within the last 2 years to receive free course.

- NO LODGING REQUIRED

PLEASE MAKE TRAVEL ARRANGEMENTS TO ARRIVE ON SUNDAY AND TO DEPART ON FRIDAY

Payment can be made by credit card, purchase order or check, payable to Briggs & Stratton Corporation. Submit application/payment via e-mail at cust.ed@basco.com, fax to 414-259-5214 or mail to: Briggs & Stratton Corporation, Attn: Customer Education, P.O. Box 702, Milwaukee, WI 53201-0702.

(Check one) Visa MasterCard American Express Discover

Print name (as it appears on card):

Account Number:

Signature:

Exp. Date:

NOTE: PLEASE USE (1) APPLICATION FORM PER PERSON ATTENDING • CANADA ONLY: Please make school fee payable in U.S. funds. CANCELLATION MUST BE RECEIVED IN WRITING AT BRIGGS & STRATTON 10 DAYS PRIOR TO THE WEEK SCHEDULED TO OBTAIN A REFUND.

I understand that Briggs & Stratton may take photographs and/or video of event participants and activities. I agree that Briggs & Stratton Corporation shall be the owner of and may use such photographs and/or videos relating to the promotion of future events. I relinquish all right that I may claim in relation to use of said photographs and/or videos.

Signature of Participant

Date

2020 Beginner's CTE Instructor Field School

Workshop is limited to 20 teachers, secure your spot today!

Introduction:

If you are an instructor who is relatively new to teaching small engine technology, then this is where you'll want to start! This 3-day course should arm you with enough knowledge and confidence to conduct your own basic small engine class. The program is a curriculum that follows lesson plans designed for high schools and middle schools. We teach the curriculum to you so you get the benefit of our technique along with on-going discussion as to what we aim to accomplish with each topic.

You will perform a complete teardown and reassembly of a horizontal shaft Overhead Valve (OHV) engine. The engine is a springboard to all the different systems that are required for a gas engine to operate. In addition, you will receive an assortment of training materials from CDs, PowerPoint presentations, teardown scripts and more, so that you will be able to teach the same concepts and procedures in your own classroom.

What Will You Receive?

- Small Engine Curriculum - digital format USB
- Small Engines Textbook, long considered the "bible" in this industry
- Small Engines Workbook. Three levels of testing; easy, medium and hard to challenge your students
- OHV Engine Instructors Reference - digital format USB
- Engines donated by Briggs & Stratton (quantity and Model will vary based on availability from factory)
- Engines are delivered to training site for pickup at conclusion of the school. Attendees are responsible for the pickup and transportation of the engines to their home schools.
- Lunch and Refreshments each day

Who Should Attend?

- Training professionals that are in need of a thorough refresher or have little knowledge of basic small engines and 4-cycle theory
- Instructors who have never taught a small engines course before
- Teachers who are looking for an organized curriculum and instructions on how to best apply it in class

Covered Topics:

- The use of learning materials to deliver a full small engine course
- How to access useful information via Briggs & Stratton's websites (If you have a laptop computer with wireless Internet capabilities, be sure to bring it with you!)
- Four-cycle theory is thoroughly explored through the use of multimedia
- Hands-on tear down of a 13 cubic inch OHV engine
- Explanations of engine systems from A to Z including Carburetors, Governors, Fuel & Oil, Compression and Ignition



Blue Valley High School

Randolph, KS

2020 Beginner's CTE Instructor Field School

June 2-4, 2020

Blue Valley High School - Agriculture Education Center

2 Ram Way, Randolph, KS 66554

Contact: **Anthony R. Meals** Email: ameals@usd384.org Phone: **(785) 293-5255**

Name	Date of Birth	Home Address	
City	State	Zip Code	
Phone #		Email	
Briggs & Stratton® Power Portal Login ID (If Applicable)			
School / Organization		Address	
City	State	Zip Code	
Phone #		Fax #	
Email			

School Fee:

**\$500.00 per instructor – payable to
Blue Valley High School**

Travel and Lodging not included.

Sam Houston State University

Huntsville, TX

2020 Beginner's CTE **Instructor Field School**

June 9-11, 2020

Sam Houston State University

Harrell Agricultural Engineering Technology Center

2224 Avenue M - Huntsville, TX 77340

Contact: **Dr. Ryan Saucier** Email: ryansaucier@shsu.edu Phone: **(936) 294-4883**

Name	Date of Birth	Home Address	
City	State	Zip Code	
Phone #	Email		
Briggs & Stratton® Power Portal Login ID (If Applicable)			
School / Organization		Address	
City	State	Zip Code	
Phone #	Fax #		
Email			

School Fee:

**\$500.00 per instructor – payable to
Sam Houston State University.**

Travel and Lodging not included.

Sauk Valley Community College

Dixon IL

2020 Beginner's CTE Instructor Field School

June 23-25, 2020

Sauk Valley Community College

173 IL. RT. 2 - Dixon, IL 61021

Contact: **Kevin Larsen** Email: kevin.m.larsen@svcc.edu Phone: **(815) 835-6279**

Name	Date of Birth	Home Address	
City	State	Zip Code	
Phone #		Email	
Briggs & Stratton® Power Portal Login ID (If Applicable)			
School / Organization		Address	
City	State	Zip Code	
Phone #		Fax #	
Email			

School Fee:

**\$500.00 per instructor - payable to
Sauk Valley Community College.**

Travel and Lodging not included.

Southern Arkansas University

Magnolia, AR

2020 Beginner's CTE Instructor Field School

July 28-30, 2020

Southern Arkansas University

Agriculture Building

100 E. University MSC 9418 - Magnolia, AR 71753

Contact: **Dr. Trent Wells** Email: ktwells@saumag.edu

Office Phone: **(870) 235-5410** Cell Phone: **(205) 471-1303**

Name	Date of Birth	Home Address	
City	State	Zip Code	
Phone #	Email		
Briggs & Stratton® Power Portal Login ID (If Applicable)			
School / Organization		Address	
City	State	Zip Code	
Phone #	Fax #		
Email			

School Fee:

\$500.00 per instructor - payable to
Southern Arkansas University

Travel and Lodging not included.

Cayuga Onondaga BOCES Regional Education Center Auburn, NY

2020 Beginner's CTE **Instructor Field School**

August 11-13, 2020

Cayuga Onondaga BOCES Regional Education Center

1879 West Genesee Street Road - Auburn, New York 13021

Contact: **Todd Marcellus** Email: tmarcellus@cayboces.org Phone: **(315) 253-0361**

Name	Date of Birth	Home Address	
City	State	Zip Code	
Phone #		Email	
Briggs & Stratton® Power Portal Login ID (If Applicable)			
School / Organization		Address	
City	State	Zip Code	
Phone #		Fax #	
Email			

School Fee:

**\$500.00 per instructor - payable to
Cayuga-Onondaga BOCES.**

Travel and Lodging not included.

SPECIALTY TOOLS



19300 Basic Tool Kit

KIT INCLUDES:

- | | | | |
|-----------------|---------------------------------------|---------------|-------------------------------|
| 19070 | Piston Ring Compressor (5 HP & below) | 19598 | Digital Tach & Hourmeter |
| 84003327 | Tester - Ignition | 19619 | Flywheel Puller |
| 19433 | Flywheel Strap Wrench | 19620 | Fuel Line Removal Tool |
| 19480 | Tang Bender | 795161 | Alcohol Fuel Tester |
| 19545 | Leakdown Tester | CE5121 | Air Gap Gauge .010" (.254 mm) |

Note: Each tool part number can also be ordered separately.



84003327 Ignition Tester

Designed to simulate true engine ignition resistance and system capabilities under safe test conditions.



19393 Torque Wrench

Correctly tightening fasteners to an equipment manufacturer's torque specifications ensures parts are properly secured without being damaged. Simple and easy to use, this click-style torque wrench (30-250 in./lb.) has a reversible ratcheting head that drives fasteners in both directions and measures torque in the clockwise direction. To measure torque, set the desired value on the handle scale (inch pounds or Newton meters) and begin tightening the fastener. When the preset torque value is reached, a reliable mechanical operation inside the handle produces a click you can hear and feel, alerting you to stop applying force.



19461 Primer Bulb Removal Tool

For quick and easy removal of primer bulb and retainer on engines equipped with primer bulb system.



19462 Primer Bulb Installation Tool

Installs new primer bulb and retainer in a "snap."



19468 DC Amp Shunt

Used to measure amperage in a 12 volt system. Color-coded receptacles hold digital multimeter leads securely while testing. This tool works with any digital multimeter with a millivolt scale. Eliminates blowing the fuse in multimeters, due to high current loads such as charging and starting.



19545 Leakdown Tester

Used to test the sealing capabilities of the compression components of all engines. Comes with crankshaft clamp.



19598 Digital Tach & Hourmeter

Meter displays RPM while engine is running. When engine is stopped, meter displays elapsed time.



19602 Digital Meter

Meter features the ability to test for AC or DC voltage, resistance (Ohm's), capacitance, diode function, temperature. Incorporates clamp for easy measurement of amperage. (Reads up to 400 amps AC or DC)



19607 Otoscope

The Otoscope allows the technician to see into small passages and jetting of carburetors at 2x magnification.



19608 T40 Plus Torx® Bit

This Plus Torx® bit design is to be used for the Model 31 & 33 rod bolts. If the technician tries using a standard T40 Torx bit on these rod bolts, they will have a real potential of stripping the head of the bolt.



19620 Fuel Line Removal Tool

This tool is essentially a pry bar for removing fuel line from barbed fittings. The bar is carefully formed, machined, hardened and plated to ensure a long life. To use, remove fuel line clamps. Push fork at end of tool behind the end of the fuel line. Carefully leverage the tool against some existing engine component as a fulcrum and pry fuel line from fitting. Use caution to prevent damage to linkage or fuel system controls. Inspect all removed fuel lines for damage or hardening and replace as necessary.



19638 4-Blade Feeler Gauge Set

Precision stepped blades have a 0.002 inches step for accurate settings. Blade sets include 0.004/0.006, 0.005/0.007, 0.006/0.008, 0.009/0.011. Each blade is approximately 1/2" wide by 3-1/4" long.



795161 Alcohol Tester

Marked with alcohol content lines at 10%, 20%, 70% and 85%. This provides the technician with visual cues as to the alcohol content in gasoline.



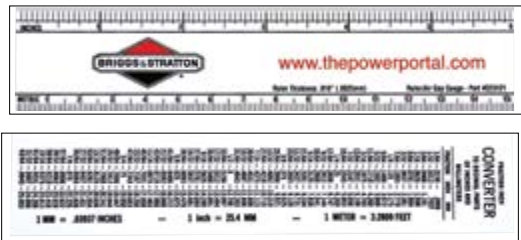
AM3006A You.Powered™ Banner

Size 48" x 28"
Vinyl, with corner eyelets. Printed on one side only.



CE5005 SAE & Metric Equivalence Stainless Steel Scale - (10 per bag)

This tool is almost a requirement for the shirt pocket of any technician. Made of flexible stainless steel, this SAE & Metric Equivalence Scale is equipped with a T-square/pocket clip that functions as a depth gauge. One side of the scale is metric and displays millimeters. The other side is graduated in inches and displays 64ths. The reverse side features a handy decimal equivalent chart.



CE5121 Ruler/Air Gap Gauge

Disguised as a flexible SAE & Metric polymer ruler, this tool's hidden purpose is a reusable, armature air gap gauge. To use, back the armature out to its widest clearance and snug it down. Line the flywheel magnet up with the armature, insert the gauge between the two and loosen the armature screws. The magnet will pull the armature down to the gauge. Tighten and torque the screws and remove the gauge. Sized at .010 to .012 inch, this setting can be used for all Briggs & Stratton® engines.



Master Parts Catalog

Includes tool section. Now available to view on the Power Portal > Briggs & Stratton > Sales and Marketing

ThePowerPortal.com

Your "One Stop" Information Source



Briggs & Stratton has developed a powerful and flexible private web-based portal for its family of products, ThePowerPortal.com.

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Complete training resource offerings for instructors

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Technical Information for the Briggs engine brand

MY RESOURCES & SELF HELP
User specific applications, reports and Powerportal user information

SALES & MARKETING
Briggs & Stratton engine sales & marketing materials and collateral

APPLICATIONS

Technical Publications Search By Model Replacement Engine Search eClaim eParts - Distributor Dealers Repowering Information Search Reports Dealer Locator Address Update Sales Rep Dealer Profile School Schedule

ALERTS
All Systems are Operational

Service Documents
Search by Keyword
Search by Model
Search by Category

Repowering
MS-5568 Engine Specs
Repl. Engine Search
Repowering Search

Marketing
Web Parts Image Library
Brochures & Catalogs
Why Genuine Parts?

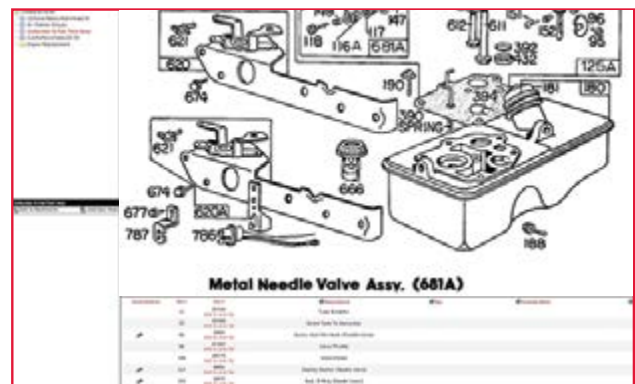
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E-PARTS LOOK-UP



If you have not already registered for an individual log-in ID, go to www.thepowerportal.com/register.htm or scan the 2D code with your smartphone.



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