



CUSTOMER EDUCATION

2010-11 VOCATIONAL EDUCATION RESOURCES

- ▶ ENGINE TRAINING KITS
- ▶ TEXTBOOKS
- ▶ COURSE OUTLINES
- ▶ DVDs, CBTs, POWERPOINTS
- ▶ INSTRUCTOR TRAINING
- ▶ ONLINE SALES CATALOG



ThePowerPortal.com



Your "One Stop" Information Source

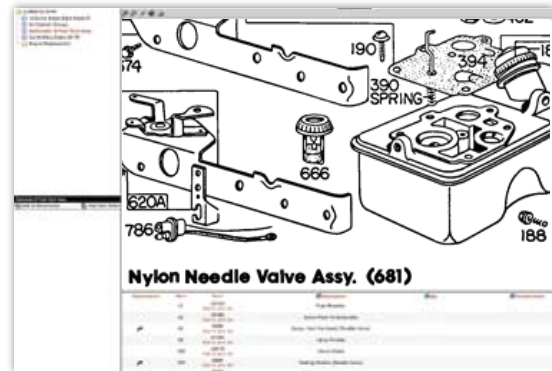
Briggs & Stratton has developed a powerful and flexible private web-based portal for its family of products, ThePowerPortal.com.

FEATURES

- Secure, on-demand, 24x7 access to meaningful information and functions for all of our products.
- Interact via the internet for a variety of business transactions.
- Here is a glimpse of the available features on the brands for which you provide sales and/or service for:
 - Brand specific product registration & rebate submission
 - eClaim - electronic warranty claim filing for engines and end products
 - E-parts - service parts and/or whole goods look-up and ordering
 - Technical publications search
 - Re-powering and replacement engine look-up
 - 1,000s of technical and service documents



E-PARTS LOOK-UP



WHAT'S NEW?



Repowering for Green - Dealers
A brand new initiative to help our dealers with re-powering ideas complete with cash rewards



Repowering Info Search
A searchable database confining successful re-powering opportunities on many different products and various original engines using a Briggs & Stratton engine as the replacement power source

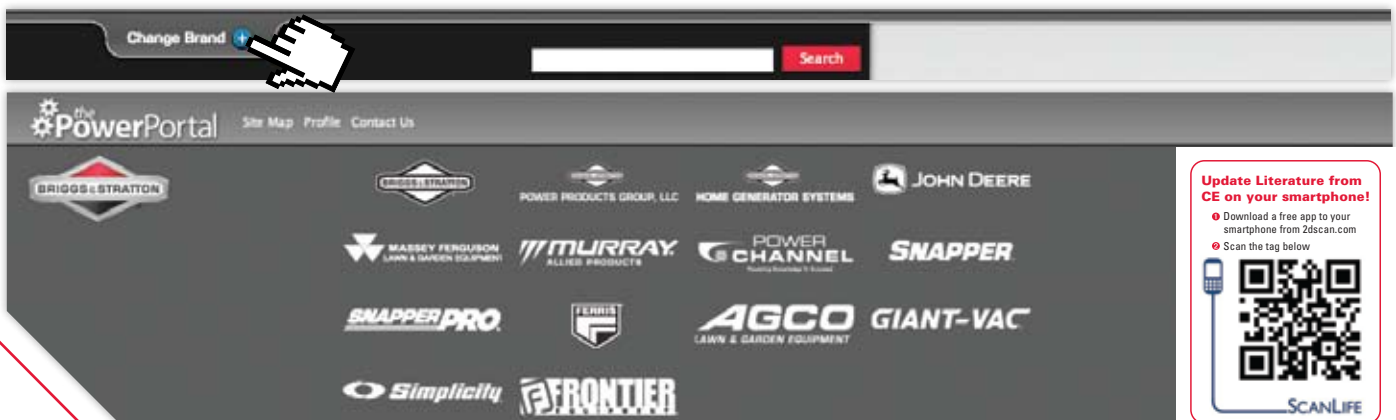


Alternator ID chart
Complete ID chart for all Briggs alternator systems



Engine Re-Powering Submission Form
A submission form for dealers to document successful re-powering opportunities

CHANGE BRAND FEATURE



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- Scan the tag below



SCANLIFE

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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:

- All materials 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 many of the core educational competencies. Students will be exposed to Reading, Mathematics, Chemistry and Physics as they are applied in the real world. Some examples include:

- Science: How gasoline changes from a liquid to a vapor
- Science: Electricity, electron flow, voltage, resistance, AC & DC current, electromagnetism
- Chemistry: How gasoline provides heat energy
- Physics: Linear and rotary motion
- Physics: Torque as a measurement of force
- Mathematics: How to measure materials to within .001 inch
- Mathematics: Calculating displacement and compression ratios
- Reading: How to use repair manuals
- Computer Skills: Online learning parts look-up

Nobody Provides More Training Resources On Small Engines

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:

www.ThePowerPortal.com

User ID: voed_schools

Password: briggs

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:

"Job prospects should be excellent for people who complete formal training programs. Employment of small engine mechanics is expected to grow 7 percent between 2008 and 2018."

* <http://www.bls.gov/oco/ocos198.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.

Nobody Provides More Training Resources On Small Engines

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 www.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.



CE9039 L-Head Engine Training Kit (pg. 9)



CE9042 Portable Generator Training Kit (pg. 12)



Nobody Provides More Training Resources On Small Engines

Basic Training Starter Kit NORTH AMERICA ONLY

This kit is Briggs & Stratton's traditional Engine Donation Program. Once every three (3) years, an educational facility can apply for and receive one Briggs & Stratton engine at no charge. In addition to the engine donation, you can select any two (2) items from the list below. This kit is supplied by Briggs & Stratton at no cost to the qualifying school.

Requirements . . .

To qualify, a school must meet all of the following:

1. Have an ongoing 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 engines training class is discontinued the donated items are to be donated 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. See "Engine Donation Agreement Form" on Page 34 for further details.

Briggs & Stratton's Contribution . . .

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

1. One engine of Briggs & Stratton's choice.
2. Any two (2) items from the list below
 - CE3017 – Basic Engine Systems CD
 - CE3056 – Fuel Delivery Systems CD
 - CE3070 – 4-Cycle Theory DVD
 - MS4185 – Master Parts Catalog
 - 19368 – Ignition Tester
 - Case of repair manuals matching the donated engine (limit 20 manuals)

Renewal, Every 3 Years . . .

After three (3) years, a school may reapply for the same basic donation package. Renewal is not automatic. The instructor or school administrator must reapply every three (3) years.

How to Apply for Kit . . .

If a school qualifies and wishes to participate in the Briggs & Stratton Basic Training Starter Kit, the instructor must complete the following:

1. Supply a course outline on school letterhead describing how the donated materials will be used in the classroom.
2. Fill out the Basic Training Starter Kit Application on page 33 and the Engine Donation Agreement Form provided on page 34.
3. Mail or fax both the course outline and the completed application forms to:

Briggs & Stratton Corporation

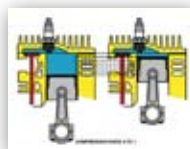
Attn: Customer Education Department
Vo-Ed Programs
P.O. Box 702
Milwaukee, WI 53201-0702
Fax: (414) 259-5214

Be sure to include the full official name and address of the school which will be using the material.

Note: Engine and selected items will be shipped freight pre-paid. Please allow 30 to 60 days for delivery. Some fees may apply to orders shipped outside the continental United States.



any 2:



Basic Engine Systems CD



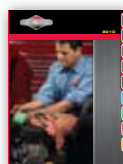
Fuel Delivery Systems CD



4-Cycle Theory DVD



Ignition Tester



Master Parts & Service
Tools Catalog



Case of repair manuals
matching engine

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

CE9001 OHV Engine Training Kit (10 Engines)

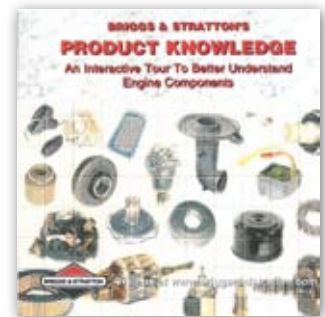
ADVANCED KIT - Complete Curriculum for 20 students



This complete course curriculum is refined from the Briggs & Stratton Authorized Field Service School, a widely acclaimed small engine training program 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 admission to one of our 4-day Vo-Ed Training Courses of your choice at the Briggs & Stratton Customer Education Center in Milwaukee, Wisconsin*. 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 CE3060 Product Knowledge Computer Based Training (CBT) CD, an entry level program which identifies and defines external and internal engine components, a CD containing video and PowerPoint presentations, and outlines for the instructor to develop competence.



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.”



*Please bear in mind that the instructor training offered includes the school and lunch each day. You will be responsible for transportation to and from Milwaukee as well as any incidental costs. Transportation from the hotel to Briggs & Stratton will be provided. (See page 31 for school dates and an application.) Visit our website to view our list of educational opportunities.

www.ThePowerPortal.com

User ID: voed_schools

Password: briggs

Note: Some fees may apply for orders shipped outside the continental United States. Call for information. Expect delivery 3-4 weeks after receipt of order.

CE9001 OHV Engine Training Kit Parts List

ITEM	DESCRIPTION	PART #	QTY
Engines	Overhead Valve Intek™ Engine	12S432-0536-F8 (or similar model)	10
<i>Support Parts</i>	<i>Complete Engine Gasket Sets</i>	<i>791797</i>	<i>10</i>
<i>Support Parts</i>	<i>Crankcase Cover Gasket</i>	<i>699485</i>	<i>20</i>
<i>Support Parts</i>	<i>Valve Overhaul Gasket Kit</i>	<i>791798</i>	<i>20</i>
<i>Support Parts</i>	<i>Guide, Exhaust</i>	<i>699643</i>	<i>20</i>
<i>Support Parts</i>	<i>Guide, Intake</i>	<i>63709</i>	<i>40</i>
<i>Support Parts</i>	<i>Exhaust Valve</i>	<i>296676</i>	<i>20</i>
<i>Support Parts</i>	<i>Intake Valve</i>	<i>296677</i>	<i>20</i>
<i>Support Parts</i>	<i>Flywheel Key</i>	<i>222698S</i>	<i>20</i>
<i>Support Parts</i>	<i>Valve Work Cylinders</i>	<i>CE9002</i>	<i>1</i>
Repair Manual	Single Cylinder L-Head	270962 (pg. 21)	5
Specialty Tools	Plastic Ruler/Air Gap Gauge	CE5121	1
Repair Manual	Vanguard™ V-Twin OHV	272144 (pg. 21)	1
Repair Manual	OHV Single Cylinder	276781 (pg. 22)	28
CD	Basic Engine Systems (PowerPoint)	CE3017 (pg. 27)	1
CD	Fuel Delivery Systems (PowerPoint)	CE3056 (pg. 27)	1
CD	OHV Engine Instructors' Reference CD with Lesson Plans & Lab Procedures	CE3094 (pg. 27)	1
CD	Product Knowledge CD CD-ROM Training in Parts Identification	CE3060 (pg. 26)	1
Book	Small Engine Care & Repair	274041 (pg. 21)	1
Textbook	Small Engines Textbook	CE8020 (pg. 20)	20
Workbook	Small Engines Workbook	CE8021 (pg. 20)	20
Workbook Answer Key	Small Engines Workbook Answer Key	CE8022 (pg. 20)	1
DVD Training Library	4-Cycle Theory Theories of Operation I Theories of Operation II	CE3070 (pg. 22) CE3013 (pg. 22) CE3029 (pg. 23)	1
Specialty Tools	Neway Valve Seat Cutter Kit (Refinish Valve Seats)	19547	2
Specialty Tools	Valve Guide Repair Kit (Remove and Install Valve Guides)	19269	2
Specialty Tools	Basic Tool Kit	19300 (pg. 36)	5
Training	Vo-Ed Factory School	(pg. 28-30)	1

Note: ***Red Bold Italicized*** items are considered “consumable” and will need to be replenished on a regular basis. These parts can be re-ordered by request at www.ThePowerPortal.com. These engines are now equipped with metric fasteners.

CE9028 OHV 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.

CE9028 is one of our most popular kits similar to the larger CE9001 kit, but without some of the specialty tools and repair manuals

- Perfect for schools with an existing small engine program
- Engines and resources to supplement tools already in place
- Helps schools stay up-to-date with current technology



ITEM	DESCRIPTION	PART #	QTY
Engines	Overhead Valve Engine	12S432-0536-F8 (or similar model)	10
<i>Support Parts</i>	<i>Gasket Sets</i>	<i>791797</i>	<i>10</i>
<i>Support Parts</i>	<i>Crankcase Cover Gasket</i>	<i>699485</i>	<i>10</i>
<i>Support Parts</i>	<i>Valve Gasket Kit</i>	<i>791798</i>	<i>10</i>
<i>Support Parts</i>	<i>Flywheel Key</i>	<i>222698S</i>	<i>10</i>
Specialty Tool	Flywheel Puller	19203	3
Specialty Tool	Flywheel Strap Wrench	19433	3
Specialty Tool	Ring Expander	19340	3
Specialty Tool	Piston Ring Compressor	19070	3
Repair Manual	OHV Single Cylinder	276781 (pg. 22)	10
PowerPoint CD	4-Cycle Theory	CE3017 (pg. 27)	1
PowerPoint CD	Fuel Delivery Systems	CE3056 (pg. 27)	1
CD	OHV Engine Instructor's Reference CD with Lesson Plans & Lab Procedures	CE3094 (pg. 27)	1

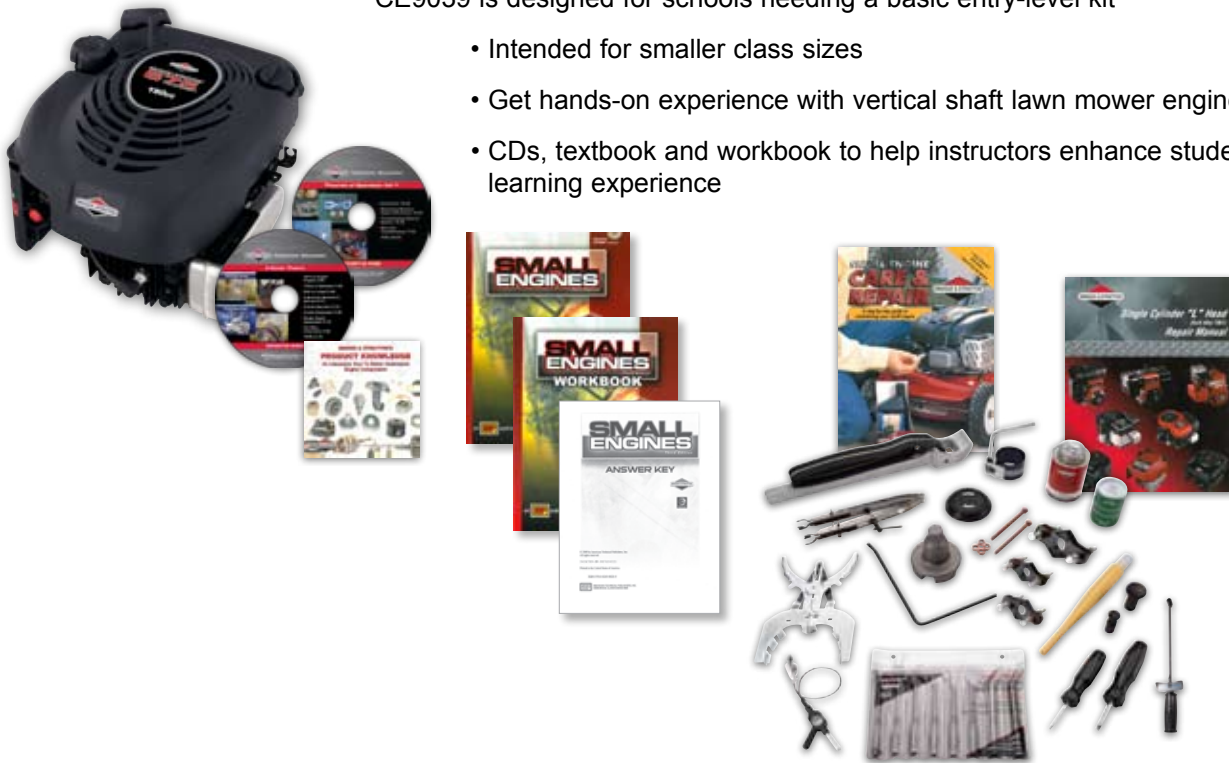
Note: ***Red Bold Italicized*** items are considered “consumable” and will need to be replenished on a regular basis. These parts can be re-ordered by request at www.ThePowerPortal.com. These engines are now equipped with metric fasteners.

CE9039 L-Head Engine Training Kit (2 Engines)

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

CE9039 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	L-Head 675 Series™ Vertical Engine	126L02-1015-F1 (or similar model)	2
Book	Small Engine Care & Repair Books	274041 (pg. 21)	6
Repair Manual	L-Head Repair Manuals	270962 (pg. 21)	6
CD	L-Head Engine Instructor's Reference CD	CE3093 (pg. 27)	1
DVD	4-Cycle Theory DVD	CE3070 (pg. 22)	1
DVD	Theories of Operation DVD	CE3013 (pg. 22)	1
CD	Product Knowledge CD CD-ROM Training in Parts Identification	CE3060 (pg. 26)	1
Textbook	Small Engines Textbook	CE8020 (pg. 20)	1
Workbook	Small Engines Workbook	CE8021 (pg. 20)	1
Workbook Answer Key	Small Engines Workbook Answer Key	CE8022 (pg. 20)	1
Specialty Tools	Basic Tool Kit	19300 (pg. 36)	1
Specialty Tool	Torque Wrench	19393	1

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

CE9040 OHV Engine Training Kit (2 Engines)

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

CE9040 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
- CDs, textbook and workbook, to help instructors enhance students' learning experience



ITEM	DESCRIPTION	PART #	QTY
Engines	Overhead Valve Engine	12S432-0536-F8 (or similar model)	2
Repair Manual	Small Engine Care & Repair Books	274041 (pg. 21)	6
Repair Manual	OHV Single Cylinder	276781 (pg. 22)	6
CD	OHV Engine Instructor's Reference CD with Lesson Plans & Lab Procedures	CE3094 (pg. 27)	1
DVD	4-Cycle Theory DVD	CE3070 (pg. 22)	1
DVD	Theories of Operation DVD	CE3013 (pg. 22)	1
CD	Product Knowledge CD	CE3060 (pg. 26)	1
Textbook	Small Engine Textbook	CE8020 (pg. 20)	1
Workbook	Small Engine Workbook	CE8021 (pg. 20)	1
Workbook Answer Key	Small Engine Workbook Answer Key	CE8022 (pg. 20)	1
Specialty Tools	Basic Tool Kit	19300 (pg. 36)	1
Specialty Tool	Torque Wrench	19393	1

CE9041 OHV Engine Replacement Training Kit (5 Engines)

Use this kit to economically replace engines in the OHV Engine Training Kit CE9001 (pg. 6) or supplement other training kits.

- Replacement engines for larger kits
- Includes instructor's CD with daily lesson plans and lab procedures
- Engine Photos
- Teardown Script



ITEM	DESCRIPTION	PART #	QTY
Engines	Overhead Valve Engine	12S432-0536-F8 (or similar model)	5
CD	OHV Engine Instructor's Reference CD with Lesson Plans & Lab Procedures	CE3094 (pg. 27)	1

CE9042 Portable Generator Training Kit (2 Generators)

With severe weather events, more technicians are needed to service generators.

CE9042 kit effectively teaches generator theory and repair

- Includes everything needed to simplify complex subjects
- Instructor CD contains:
 - Theory on how electricity is produced
 - How to test and troubleshoot both generator and engines



ITEM	DESCRIPTION	PART #	QTY
Generator	3,500 Watt Generator w/Brush Bridge Rectifier	030208 (or similar model)	1
Generator	4,000 Watt Generator w/AVR Regulator	030335 (or similar model)	1
Repair Manual	Portable Generator Repair Manual	86262GS	6
CD	Portable Generator Instructor's Reference CD	CE3095 (pg. 27)	1
Specialty Tools	Digital Tach & Hourmeter	19598 (pg. 36)	1
Specialty Tool	Digital Multimeter w/Amp Clamp	19602	1
Specialty Tool	Capacity-Frequency Meter	19543	1
Repair Manual	Rotor Stator Resistance Manual	87971GS	1
Repair Manual	OHV Single Cylinder	276781	1

CE9047 L-Head Engine Replacement Training Kit (5 Engines)

This kit can be used for schools that have an existing program for L-Head style engines.

CE9047 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 675 Series™ engine used on many walk-behind rotary lawn mowers
- Engine photos



ITEM	DESCRIPTION	PART #	QTY
Engines	L-Head 675 Series™ Vertical Engine	126L02-1015-F1 (or similar model)	5
CD	L-Head Instructor's Reference CD	CE3093 (pg. 27)	1

CE9053 Super Sized OHV Replacement Kit (12 Engines)

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



CE9053 contains 12 OHV horizontal crankshaft engines that are common in tillers, pressure washers and generators. The kit also includes the CE3094 Instructors CD 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	Overhead Valve Engine	12S432-0536-F8 (or similar model)	12
CD	OHV Engine Instructor's Reference CD with lesson plans and lab procedures	CE3094 (pg. 27)	1

CE9054 Super Sized L-Head Replacement Kit (12 Engines)

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

CE9054 contains 12 L-Head 675 Series™ vertical crankshaft engines; the most popular rotary lawn mower engine in the world. The kit also includes the CE3093 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	L-Head 675 Series™ Vertical Engine	126L02-1015-F1 (or similar model)	12
CD	L-Head Instructor's Reference CD	CE3093 (pg. 27)	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. New this year, the V-Twin Engine Kit can give your students a new sophistication 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	305447-0068-B1	2
<i>Support Parts</i>	<i>Gasket Set</i>	<i>841188</i>	<i>4</i>
Repair Manual	Vanguard™ V-Twin OHV Repair Manual	272144 (pg. 21)	4
CD	V-Twin Engine Instructor's Reference CD	CE3125 (pg. 27)	1

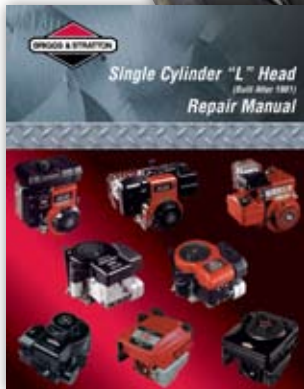
Note: ***Red Bold Italicized*** items are considered “consumable” and will need to be replenished on a regular basis. These parts can be re-ordered by request at www.ThePowerPortal.com. These engines are now equipped with metric fasteners.

CE9059 L-Head Engine Training Kit (5 Engines)

The L-Head Training Kit is an excellent way for schools to establish an air-cooled engine program with one of the more common styles of engines at lower cost. CE9059 is our newest kit that combines the basic L-Head style engine with an easy to work with horizontal shaft configuration.



- Perfect for schools starting a new or improving their existing small engine program
- Gain hands-on experience with horizontal shaft, L-Head engines
- CDs contain complete day-to-day lesson plans, presentations and lab procedures, as well as numerous support materials



ITEM	DESCRIPTION	PART #	QTY
Engines	L-Head, 400 Series, Horizontal	097332-0036-F1 (or similar model)	5
Support Parts	Gasket Sets	794218	5
Support Parts	Valve Gasket Kit	498525	5
Support Parts	Flywheel Key	222698S	5
Specialty Tool	Flywheel Strap Wrench	19433X	3
Specialty Tool	Flywheel Puller	19069	3
Specialty Tool	Piston Ring Compressor	19070	3
Repair Manual	Single Cylinder L-Head	270962	5
CD	L-Head Engine Instructor's Reference with Lesson Plans & Lab Procedures	CE3129	1

Note: *Red Bold Italicized* items are considered “consumable” and will need to be replenished on a regular basis. These parts can be re-ordered by request at www.ThePowerPortal.com. These engines are now equipped with metric fasteners.

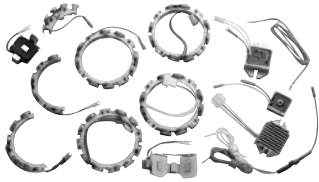
For prices and ordering, see the inside back cover for your regional source of supply contact.

Quick Reference Kit Guide

Item	Description	Part No.	CE9001	CE9028	CE9039	CE9040	CE9041	CE9042	CE9047	CE9053	CE9054	CE9056	CE9059
Engines	Overhead Valve Intek™	12S432-0536-F8	10	10		2	5			12			
Engines	L-Head 675 Series™	126L02-1015-F1			2				5		12		
Engines	L-Head	097332-0036-F1											5
Engines	Vanguard™ V-Twin OHV	305447-0068-B1										2	
Generator	3,500 Watt Generator w/Brush Bridge Rectifier	30208						1					
Generator	4,000 Watt Generator w/AVR Regulator	30335						1					
Support Parts	Complete Engine Gasket Sets	791797	10	10									
Support Parts	Crankcase Cover	699485	20	10									
Support Parts	Valve Overhaul Gasket Kit	791798	20	10									
Support Parts	Valve Gasket Kit	498525											5
Support Parts	Gasket Set	794218											5
Support Parts	Exhaust Guide	699643	20										
Support Parts	Intake Guide	6370940	40										
Support Parts	Exhaust Valve	296676	20										
Support Parts	Intake Valve	296677	20										
Support Parts	Flywheel Key	222698S	20										5
Support Parts	Valve Work Cylinders	CE9002	1										
Repair Manual	Single Cylinder L-Head	270962	5		6								5
Repair Manual	Vanguard™ V-Twin OHV	272144	1									4	
Repair Manual	OHV Single Cylinder	276781	28	10		6		1					
Repair Manual	Portable Generator Repair Manual	86262GS						6					
Repair Manual	Rotor Stator Resistance Manual	87971GS						1					
Book	Small Engine Care & Repair	274041	1		6	6							
Textbook	Small Engines Textbook	CE8020	20		1	1							
Workbook	Small Engines Workbook	CE8021	20		1	1							
Workbook Answers	Small Engines Workbook Answer Key	CE8022	1		1	1							
Support Parts	Flywheel Key	222698S		10									
Training	Vo-Ed Factory School	N/A	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	Fuel Delivery Systems	CE3056	1	1									
CD	Product Knowledge CD	CE3060	1		1	1							
DVD	4-Cycle Theory	CE3070	1		1	1							
CD	L-Head Engine Instructor's Reference CD	CE3093			1				1		1		
CD	OHV Engine Instructor's Reference CD	CE3094	1	1		1	1			1			
CD	Portable Generator Instructor's Reference CD	CE3095						1					
CD	L-Head Engine Instructor's Reference CD	CE3129											1
Specialty Tool	Basic Tool Kit (see pg. 36 for complete contents)	19300	5		1	1							
Specialty Tool	Flywheel Puller	19069											3
Specialty Tool	Ring Compressor	19070		3									3
Specialty Tool	Flywheel Puller	19203		3									
Specialty Tool	Valve Guide Repair Kit	19269	2										
Specialty Tool	Digital Tach & Hourmeter	19598						1					
Specialty Tool	Torque Wrench	19393				1							
Specialty Tool	Ring Expander	19340		3									
Specialty Tool	Flywheel Strap Wrench	19433		3									3
Specialty Tool	Capacity-Frequency Meter	19543						1					
Specialty Tool	Neway Valve Seat Cutter Set	19547	2										
Specialty Tool	Digital Multi-Meter	19602						1					

Nobody Provides More Training Resources On Small Engines

CE9015 Alternator Training Kit*



CE9015 contains 9 of our most common charging system stators (alternators) and 3 solid state regulators (2 full wave and 1 half wave). It can be used to teach:

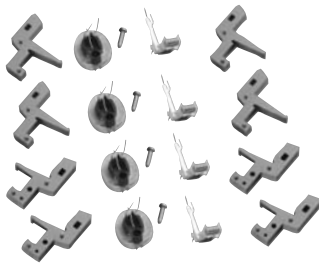
- Electro-magnetic induction
- Half and full wave rectification in general
- Review charging systems specific to Briggs & Stratton

Alternator ID Chart



MS2288FL
may be
purchased
separately

CE9018 Ignition Armature Training Kit*

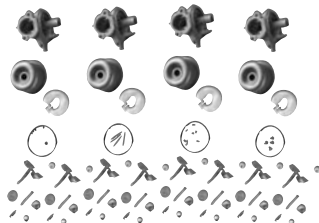


CE9018 contains loose production components used to build the Magnetron® solid state ignition armature.

- One kit equals 4 armatures
- Supports ignition theory with internal coil windings and electronics clearly visible
- Detailed information on ignition theory and operation of Briggs & Stratton ignition armatures from contact point systems through the advancing Magnetron® ignition armature

Subject to remaining factory inventory

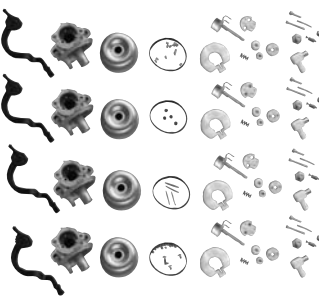
CE9024 Single Circuit Carburetor Training Kit*



CE9024 contains the primer style bowl carburetor with a high speed circuit only.

- One kit equals 4 carburetors
- Parts are captured off the manufacturing line before assembly
- No pressed-in components are installed, allowing for better visual access to fuel and air circuits

CE9025 Dual Circuit Carburetor Training Kit*



CE9025 contains the choke-style bowl carburetor with both high and low speed circuits.

- One kit equals 4 carburetors
- Parts are captured off the manufacturing line before assembly
- No pressed-in components are installed, allowing for better visual access to fuel and air circuits

**No support information included. You may purchase CE3029, Theories of Operation Vol. 2 Video (pg. 23) to provide additional training reinforcement of carburetor theory or CE3056, Fuel Delivery Systems (pg. 27), for diagrams of common carburetors and fuel circuits. For classroom use only. Carburetors not to be used on engines.*

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

TEACHING AIDS - BOOKS & MANUALS

CE8020 Small Engines Textbook, CE8021 Workbook CE8022 Workbook Answer Key



Written by the Briggs & Stratton Director of Customer Education, Bruce Radcliff, and Customer Education Manager, Donald Koloski, this textbook has over 350 pages and well over 300 illustrations. It is one of the most detailed theoretical texts available. Already on its third printing, the text is accompanied by a CD-Rom containing quick quizzes, an illustrated glossary, media clips and additional reference material.

Commonly, manufacturers produce repair manuals which supply the “how-to” for most repair jobs. Few industry or outside publications provide much in the way of “why.” *Small Engines* concentrates on the theory of operation relating to all engine systems. Both air-cooled and water-cooled engines are covered.

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.

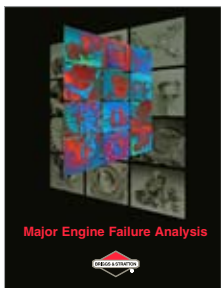
The *Small Engines Workbook Answer Key* contains the answers to the lessons provided in the Student Workbook.

Used in Training Kits: CE9001, CE9039, CE9040



CE8143 Small Engines Resource Guide

Used in conjunction with the *Small Engines* Textbook and Workbook, this 72-page guide provides the instructor with a turn-key program. The guide follows the chapters from the textbook and provides instructional outlines (competencies), PowerPoint presentations and tests. In addition, you will receive media clips, electronic slides of all the art used in the book, pre- and post-tests and much more. Also included is Test Development software. Use a bank of questions already developed from each chapter or incorporate your own questions. This guide will save a teacher an incredible amount of time in developing his/her program.



CE8034 Engine Failure Analysis Book

This 48-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.

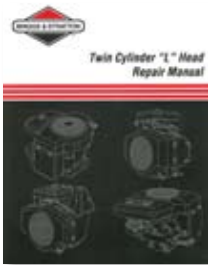
270962 Single Cylinder L-Head Repair Manual



For most single cylinder L-Head engines built after 1981. Our best seller - 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.

Used in Training Kits: CE9001, CE9039, CE9047, CE9059

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.

Used in Training Kit CE9001

272144 Twin Cylinder OHV Vanguard™



For Vanguard™ V-Twin OHV engines built after 1981. This 190-page manual 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.

Used in Training Kits: CE9001 & CE9056

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.

274041 Small Engine Care & Repair Book



For the novice – a step-by-step guide to small engine care and repair. This full-color 128-page book includes over 300 photos and easy-to-follow instructions. Concepts are introduced that apply to virtually every small engine making this appealing to a very broad audience. It offers consumers a guide for saving money through preventive maintenance and do-it-yourself repair. It includes a troubleshooting section to easily diagnose common small engine problems. Small Engine Care & Repair features introductory projects that require no prior knowledge, as well as advanced projects for the experienced repair person.

Used in Training Kits: CE9001, CE9039, CE9040

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

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.

Used in Training Kits: CE9001, CE9028, CE9040

For Vanguard™ Single Cylinder Engines use Repair Manual 272147

DVDs

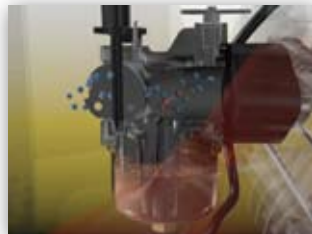
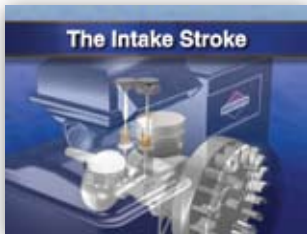
THEORY PROGRAMS

Video programs are available at a nominal charge. 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.

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.

Used in Training Kits:
CE9001
CE9039
CE9040

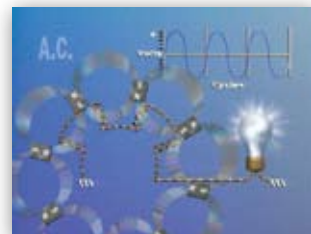
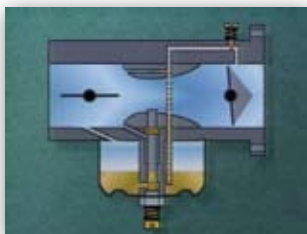


CE3013 Theories of Operation – Volume 1 DVD

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.

Used in Training Kits:
CE9001
CE9039
CE9040

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 (72 minutes) to Theories of Operation - Volume 1. It contains four advanced topics on a single DVD.

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.
 3. Troubleshooting Carburetor Systems: carburetor problems are divided into three main categories; starting problems, performance problems and leakage. Examples, tests and repairs are presented as well as "Tricks-of-the-Trade."
 4. Dynamics of Engine Failure, (see CE3113 pg. 24)
- Used in Training Kit: CE9001



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. Understanding the principles of operation, as well as basic equipment troubleshooting is covered. Maintenance and parts nomenclature are also included.



CE3109 Generator Theory Reminder DVD



Electrical energy can be produced from a variety of means. This DVD explains how a portable generator produces power using a brushed (15 minutes) and a brushless (12 minutes) system. Using high-end 3-D graphics, students will learn the induction method of producing power.

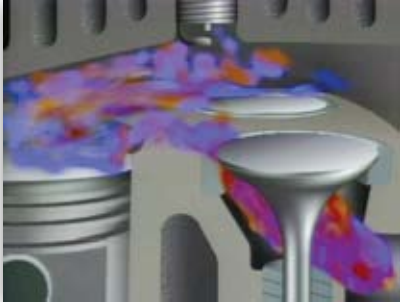
In addition, there is also a presentation on the generator market and maintenance (8 minutes). (Use this to educate students on the profit-making opportunities of working on portable generators.)

DVDs

MAINTENANCE & TROUBLESHOOTING PROGRAMS

CE3001 Maximizing Engine Life

Through Preventive Maintenance DVD



The importance of establishing a preventive maintenance system is the primary message of this DVD (35 minutes). Included are explanations of the basic engine maintenance requirements. Implementing a preventive maintenance system assures top power delivery and keeps the equipment more productive over a longer period of time. While the message is geared for equipment operators and owners, anyone learning about small engines can benefit from this important information.

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 helping to 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.

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.



CE3037 Vanguard™ 3-Cylinder Water-Cooled Engines Features & Benefits DVD



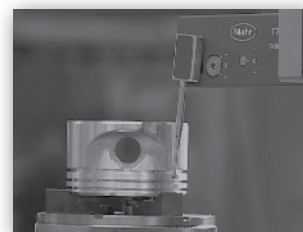
The video (47 minutes) highlights the main features and benefits of the 3-cylinder water-cooled engine family. After a tour of the engine and a brief explanation of available options, manuals and warranty, the program goes into detail on twenty service-related subjects.



CE3069 Briggs & Stratton Story DVD



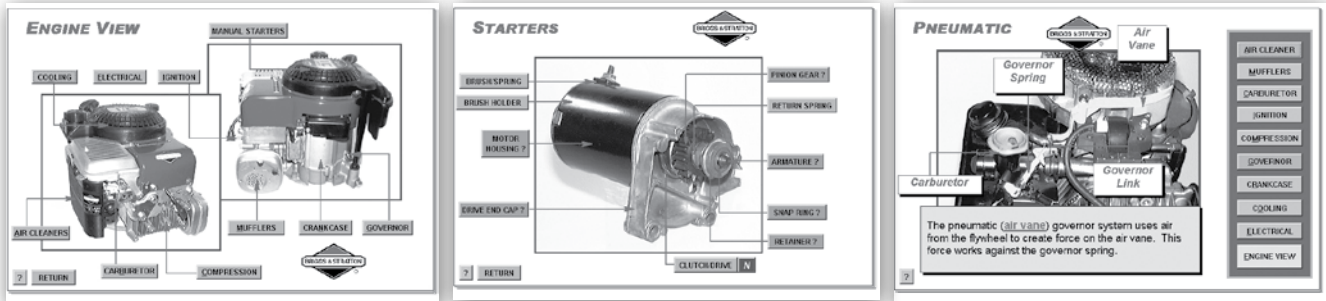
This video (50 minutes) covers the Briggs & Stratton story, history, products and commitment to supporting customers worldwide. Includes two engine plant tours (small and large engines). Show your students how an engine is built!



COMPUTER-BASED TRAINING CDs

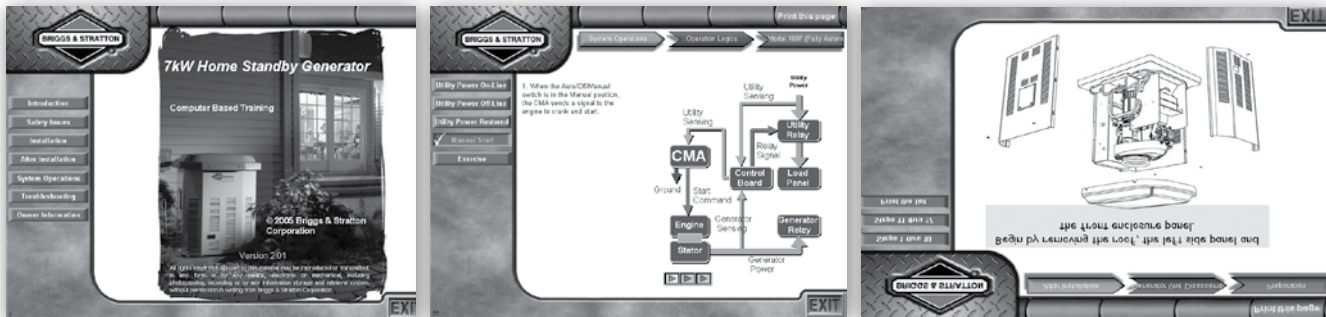
CE3060 Product Knowledge

An interactive CBT program designed to identify Briggs & Stratton engine parts and briefly explain their function. Useful for the beginner or student just learning what the engine components are, their names and general location. Used in Training Kits: CE9001, CE9039, CE9040



CE3092 7kW Home Generator Systems

This CBT module includes system operations, proper installation, circuit logic, troubleshooting, test equipment usage and reference materials. Home Standby Generator Systems have grown in popularity due to power outages caused by natural disasters such as ice storms and hurricanes.



POWERPOINT TRAINING CDs

CE3094 "Overhead Valve" (OHV) Engine Instructor's Reference



The information on this CD 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 CD. These materials will be helpful for a class that is giving an overview

of small engines, versus a full semester class. This includes a detailed step-by-step teardown script for the Model 12 OHV horizontal crankshaft engine, PowerPoint slides, course outline and photo library to create customized slides.

The information on this course is based upon the Briggs & Stratton Model 126000 Series OHV Horizontal engine.

Used in Training Kits: CE9001, CE9028, CE9040, CE9041

CE3129 L-Head Engine Instructor's Reference



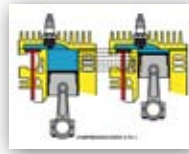
The CE3129 CD contains educational material for an instructor to be able to teach a course on small engines. Everything from basic 4-cycle theory to engine teardown is available to assist even first time teachers. A

complete curriculum with daily lesson plans for both teacher and student takes your class from engine history and lab safety to a simple and easy to understand break down of some complex mechanical operations. The labs consist of a step-by-step process



of disassembling and re-assembling a basic L-Head engine over an 8-9 week period. Also includes supporting power point presentation as well as numerous other training materials.

Used in Training Kit: CE9059



Contains slides of 4-Cycle theory (L-Head and Overhead Valve), basic carburetion, governors, compression ratio, rings and cubic inch displacement. Highly recommended for the beginner...it's the cornerstone of a small engine program.

Used in Training Kits: CE9001, CE9028

CE3056 Fuel Delivery Systems



Contains slides of diagramming common Briggs & Stratton carburetors and fuel pump circuits.

Used in Training Kits: CE9001, CE9028

CE3093 L-Head Engine Instructor's Reference



Includes detailed step-by-step teardown script for the popular Briggs & Stratton Quantum® 675 Series™ vertical crankshaft engine, PowerPoint slides, course outline and photo library to create customized slides.

Used in Training Kits: CE9039, CE9047

CE3095 Portable Generator Instructor's Reference



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.

Used in Training Kit: CE9042

CE3125 V-Twin Engine Instructor's Reference



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.

Used in Training Kit: CE9056

VO-ED INSTRUCTORS FACTORY SERVICE TRAINING

Briggs & Stratton conducts Factory Service Training for Vo-Ed 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-aways, and other ideas. There are a number of additional educational opportunities available to instructors of air-cooled gasoline engine courses. These schools are conducted at different times during the year. See ThePowerPortal.com for more information.

Beginner Vo-Ed Instructors' School

February 7-10, 2011 | June 13-16, 2011 | June 27-30, 2011

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 (OHV) Engine Instructors' 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 complete teardowns on a horizontal shaft OHV and a vertical shaft L-head 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 the Briggs & Stratton's web sites (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 L-Head and OHV engines
- Explanations of engine systems from A to Z, including:
 - Carburetors
 - Fuels & Oils
 - Ignitions
 - Governors
 - Compression

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



Advanced Engine Technology

For Dealer Technicians or Advanced Vo-Ed Instructors

November 8-11, 2010 | August 8-11, 2011

WHAT IS IT?

Major engine systems, carburetion, ignition, compression and lubrication are explored with the detail that will satisfy those that desire to know how a Briggs & Stratton engine works. You'll start your week with a bang by destroying a brand new engine and transition into failure analysis. The "repair" process carries you through an in-depth look at the individual engine systems, and the types of effects a failure can produce throughout an entire engine.

COVERED TOPICS:

- Failure Analysis – An in-depth look as to the main causes of engine failure and how to identify them
- Carburetors – Identification, passage ways and troubleshooting tips
- Fuels and Emissions – Octane ratings, bio-fuels, cold and warm weather blends, current and future emission control systems
- Troubleshooting fuel systems - "Bugged" engines are used for reinforcing learned knowledge
- Compression components – Understanding piston, piston rings and valve mechanisms
- Electrical Systems – A look at basic electricity, electrical components, charging, starting systems, troubleshooting and testing procedures
- Governor function and operation

WHO SHOULD ATTEND?

- Training professionals who want to advance their knowledge to a higher industry level in numerous areas beyond the basic 4-cycle theory.
- Leaders that inspire to better prepare learners for the small engine service industry.
- Service experts that wish to stay current on industry knowledge and equipment.

PREREQUISITE: Dealers - Attended an AFSS class at their CSSD; Vo-Ed Instructors - Briggs & Stratton's Vo-Ed Beginner Course or 2+ years of teaching small engines



Experienced Vo-Ed Instructors' School

July 18-21, 2011 | August 1-4, 2011

WHAT IS IT?

The focus of this school is to concentrate on more complex concepts. Topics pick up from where the beginner course ended and includes more hands-on activities.

This school will also focus on making training props for your classroom that make difficult subjects easier to understand.

COVERED TOPICS:

- Compression systems, including performing a 3-angle valve job
- Different types of carburetors along with a hands-on troubleshooting activity
- Significant time will be devoted to making cut-a-ways of carburetors and other engine related components
- We will also make a simple device to show the Venturi effect within carburetors
- Alternator systems will be covered in-depth with an activity to measure alternator electrical output

WHO SHOULD ATTEND?

- Vocational Educators that want or need to expand their knowledge to be able to take their classroom to the next level
- Instructors looking for a better way to deliver engine concepts through the use of engine and engine component cut-a-ways made by the instructors themselves

PREREQUISITE: *Vo-Ed Instructors - Briggs & Stratton Beginner Course or 2+ years of teaching small engines*



Course Schedule

Beginner Vo-Ed Instructor School

February 7-10, 2011
 June 13-16, 2011
 June 27-30, 2011

Experienced Vo-Ed Instructor School

July 18-21, 2011
 August 1-4, 2011

Advanced Engine Technology

November 8-11, 2010
 August 8-11, 2011

NOTE: All classes are held at the Briggs & Stratton Training Center – 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.

Course Package Amenities

- **Lodging (based on double occupancy)**
- **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 Technicians or Instructors**
- **Personal Attention (Typical Class Size is 10 - 20 Students)**
- **If single occupancy lodging is requested, participant will be responsible for the difference – an additional \$50.00 per night paid directly to the hotel.**
- **Please make travel arrangements to arrive the day before class starts and to depart after class ends.**

Course Fees

Course Title	Course Fee	No Lodging Required Fee	MST Fee	Diamond Dealer Fees
Beginner Vo-Ed Training	\$825.00	\$575.00	\$725.00	\$250.00
Experienced Vo-Ed Training	\$900.00	\$650.00	\$800.00	\$250.00
Advanced Engine Technology	\$900.00	\$650.00	\$800.00	\$250.00

Master Service Technicians (MSTs), Diamond Dealers™ and Educational Facilities that have purchased the CE9001 OHV Engine Training Program Kit are eligible for reduced factory school fees.

- MSTs receive a \$100 discount on each training course.
- Diamond Dealers™ receive one free factory school every season (excludes lodging or transportation).
- Purchasers of CE9001 Training Kit receive one FREE course (now includes lodging, based on double occupancy).
 - *FREE course offer is valid for up to 2 years from date of purchase of CE9001 Training Kit.*
 - *Include copy of invoice for CE9001 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.

2010-2011 FACTORY SERVICE TRAINING COURSES APPLICATION

Briggs & Stratton ID# B-(Dealer Only) _____ Date of Application _____
 Company/School Name _____ Company/School Address _____
 Business Telephone Number _____ City _____
 Fax Number _____ State _____ Zip _____
 E-Mail _____ Yrs of Industry/Teaching Experience _____

Applicant Name _____ Age _____ Male/Female _____
 Home Address _____ City _____
 State _____ Zip _____ Telephone Number _____

Course:

First Choice Date _____ MST# _____ Diamond Dealer# _____
 Second Choice Date _____

Beginner Vo-Ed Instructor

February 7-10, 2011
 June 13-16, 2011
 June 27-30, 2011

VO-ED Instructors please attach a copy of the invoice for the CE9001 Training Kit to receive discount.

Advanced Engine Technology

November 8-11, 2010
 August 8-11, 2011

CHECK APPROPRIATE BOXES

PRIVATE ROOM NO LODGING REQUIRED

(If private room is requested, you will be responsible for the difference - an additional \$50.00 per night paid directly to hotel.)

Experienced Vo-Ed Instructor

July 18-21, 2011
 August 1-4, 2011

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. Fax application to (414-259-5214) with credit card information, purchase order or mail application and check 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.

Basic Training Starter Kit Application

Briggs & Stratton Corporation
Attn: Customer Education Dept.
Vo-Ed Programs
P.O. Box 702
Milwaukee, Wisconsin 53201-0702
Fax: 414-259-5214



-Please Print or Type-

**MUST INCLUDE A COURSE OUTLINE
& DONATION AGREEMENT FORM
PHOTOCOPIES OF FORMS
ARE ACCEPTABLE**

This is to certify that we conduct small gasoline engine classes as described below:

Specific school name _____ Grade level of course _____

Street address _____

Mailing address _____

County _____ City _____

State _____ Zip _____

Phone _____ E-mail _____

Number of students in largest class _____ Number of classes _____

Total hrs. of classroom participation _____ Number of weeks of small engine class _____

Times class is repeated each semester _____ Is the material also used in adult classes? _____

Number of adult students in each class _____ Number of adult classes _____

Briggs & Stratton will donate 1 engine and any 2 items from the following list below:

Please check two selections.

- CE3017 – Basic Engine Systems CD
- CE3056 – Fuel Delivery Systems CD
- CE3070 – 4-Cycle Theory DVD
- MS4185 – Master Parts Catalog
- 19368 – Ignition Tester
- Case of repair manuals matching the donated engine (limit 20 manuals)

This material will be used in the above listed school for educational purposes only and shall be considered a gift to the school and not to an individual instructor. No engine or engine parts will be placed outside of the school.

We will welcome any visitation by Briggs & Stratton Corporation personnel wishing to review our utilization of this material.

Briggs & Stratton receives many requests for donation engines. These engines are subject to program allocations and might not always be available for immediate shipment. Your request will be handled in the order that it was received as additional engines become available. California compliant engines may not be immediately available.

INSTRUCTOR (SIGNATURE)

PRINCIPAL (SIGNATURE)

INSTRUCTOR (PLEASE PRINT)

DATE

Engine Donation Agreement Form



THIS DONATION AGREEMENT (this "Agreement") dated as of _____ 20 _____ by and between Briggs & Stratton Corporation, a Wisconsin corporation having its principal business offices at 12301 West Wirth Street, Wauwatosa, WI 53222 ("Donor"),

and (organization name) _____

a(n) (organization type) _____

organization having its principal business office at,

(address) _____ ("Donee").

In consideration of the mutual covenants and agreements contained in this Agreement, the parties hereby agree as follows:

1. Donor hereby donates, gives and delivers to Donee, and Donee hereby accepts, the property described on the attached acknowledgement form, subject to the terms and conditions set forth in this Agreement.
2. The donated property is given to Donee "as is" and without any warranty. Donor makes no representation of warranty, express or implied, with respect to the merchantability, condition, quality or fitness for any particular purpose of the donated property.
3. Donee on behalf of itself, its officers, directors, employees and agents by accepting the donated property expressly waives any and all rights, claims, causes of action, judgements, settlements or costs for actual, consequential or incidental damages due to personal injury, property damage or otherwise relative to the use or ownership of the donated property.
4. Donee hereby agrees to indemnify and hold Donor, its officers, directors, employees and agents harmless from and against any and all claims, causes of action, judgements, settlements, or costs of any nature which arise out of or in connection with the donated property in any manner whatsoever.
5. This agreement shall be governed by the laws of the State of Wisconsin.
6. This agreement contains the entire agreement of the parties with respect to its subject matter. Any prior representations, understandings or course of dealings shall be of no force or effect.
7. Donee will make every effort possible to contact local media outlets with a story regarding Briggs & Stratton support to the community.
8. Donee will forward any such article to the Customer Education Department at Briggs & Stratton.
9. Donee will supply Briggs and Stratton's Customer Education Department with pictures of donated product being used by students in a classroom/lab setting. All pictures will become property for Briggs & Stratton for use in education material. Please email photos and newspaper articles to cust.ed@basco.com.

In witness whereof, each party has caused this Agreement to be signed by its duly authorized representative.

BRIGGS & STRATTON (Donor)

NAME OF DONEE

Signature _____

Signature _____

Printed _____

Printed _____

Title _____

Title _____

Briggs & Stratton receives many requests for donation engines. These engines are subject to program allocations and might not always be available for immediate shipment. Your request will be handled in the order that it was received as additional engines become available.

Authorized Field Service Schools (AFSS)



This school is conducted in many major cities by the regional Briggs & Stratton Integrated Distributor Network (IDN)/Central Sales & Service Distributor (CSSD). The school is held periodically throughout the year and is normally attended by Authorized Service Dealers. The school stresses basic engine theories of operation and repair, plus related subjects such as warranty and parts look-up. Enrollment is limited and costs vary. Contact your regional IDN/CSSD for further details (see inside back cover) or visit The Power Portal for times and locations.

To find more information, go to:

www.ThePowerPortal.com

User ID: voed_schools

Password: briggs

See Training Resources > Distributor School Schedules

Product Update Seminars



This seminar is presented in various cities by the regional Briggs & Stratton IDN/CSSD. Some of these programs are conducted during the day and others in the evening. They are usually about three to four hours in length. The subject matter originates directly from the factory and emphasizes new products and other pertinent service information. These seminars begin in November and extend into April. In general, enrollment is not limited and fees may be charged. Contact your regional Briggs & Stratton IDN/CSSD for further details (see inside back cover) or visit The Power Portal website for times and locations.

To find more information, go to:

www.ThePowerPortal.com

User ID: voed_schools

Password: briggs

See Training Resources > Distributor School Schedules

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.

Popular Specialty Tools - Go to the Power Portal for a complete listing.

19300 Basic Tool Kit

KIT INCLUDES:

- **19063** Valve Spring Compressor
- **19069** Flywheel Puller
- **19070** Piston Ring Compressor (5 HP & below)
- **19165** Flywheel Puller
- **19203** Flywheel Puller
- **19200** Tachometer
- **19340** Piston Ring Expander
- **19442** Torquex Starbits
- **19433** Strap Wrench
- **19480** Tang Bender
- **19258** Valve Lapper (includes 19266 & 19268)
- **19393** Torque Wrench
- **19061** Screwdriver – Carb. Jet
- **19062** Screwdriver – Carb. Jet
- **19368** Tester – Ignition
- **19600** Fuel Ine Remover
- **94150** Valve Lapping Compound
- **795161** Gasohol Tester
- **CE5121** Plastic Ruler – Air Gap Gauge
- **MS4185** Master Parts Catalog



19368 Ignition Tester



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

19598 Digital Tach & Hourmeter



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

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.

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.

19602 Digital Meter



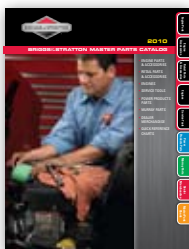
This polarity indicator offers the inquisitive technician or vocational science teacher the opportunity to see the magnetic poles on any magnet or flywheel magnets.

19600 Fuel Line Remover



Used to ease the difficult task of removing the fuel line off of a hose barb by prying upward compressing the fuel line and expanding the inside diameter, instead of pulling and contracting.

MS4185 Master Parts Catalog

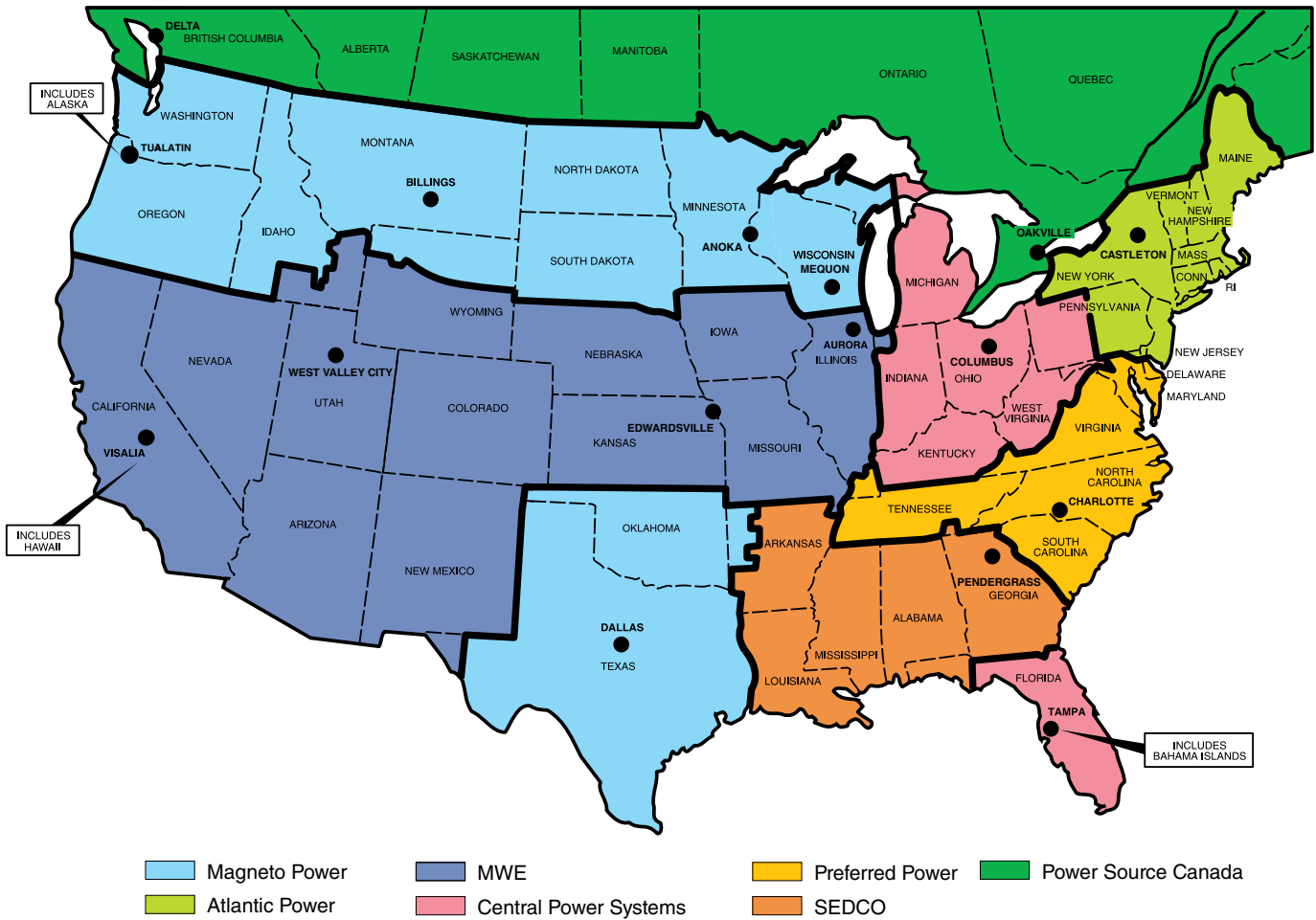


Includes tool section. See www.ThePowerPortal.com for information on all Briggs & Stratton Parts and Tools!

User ID: voed_schools

Password: briggs

VOCATIONAL EDUCATION CONTACT INFORMATION



To 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.

1. MAGNETO POWER, LLC	www.magnetopower.com	mspieker@magnetopower.com	Melinda Spieker	800-338-5168 x3505
2. MIDWEST ENGINE WAREHOUSE	www.mwe.net	st.clair.scott@iaeco.net	Scott St. Clair	877-505-8633
3. PREFERRED POWER, INC	www.preferredpower.com	jeffw@preferredpower.com	Jeff White	800-560-3046
4. POWER SOURCE CANADA, LTD	www.powersourcecanada.ca	mgulley@powersourcecanada.ca	Mike Gulley	800-663-9700
5. ATLANTIC POWER, INC	www.atlanticpowerinc.com	artf@atlanticpowerinc.com	Art Falk	800-678-5692 x4940
6. CENTRAL POWER SYSTEMS	www.centralpower.com	jeniferf@centralpower.com	Jenifer S. Fleet	800-554-3336 x2166
7. SEDCO, INC	www.sedcoinc.com	thomas.mark@sedcoinc.com	Mark Thomas	800-346-4260



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