



# 2015-16 MASTER PARTS CATALOG

# GENUINE PARTS

for the latest engines



- Engine Parts & Accessories
- Retail Parts & Accessories
- Engines
- Service Tools

- Power Products Parts
- Murray® Parts
- Dealer Merchandise
- Reference

Engine Parts

Engine Accessories

Retail Parts & Accessories

Engines

Service Tools

Power Products Parts

Murray® Parts

Dealer Merchandise

Reference



# Healthy Engines Start Here!



- **Ethanol free fuel**
- **Contains 5-in-1 Advanced Formula Fuel Treatment & Stabilizer**
- **Stays fresh for up to 2 years**
- **Helps engines run smoother and perform better**
- **For everyday use**

Contact your Distribution Representative to place your order



## That's why we're alcohol-free.

Ethanol-blended fuels and fuel treatments containing alcohol can harm your engine's performance. **Our 5-in-1 Advanced Formula Fuel Treatment is alcohol-free.** It's safe for use in all 2-cycle and 4-cycle engines, including lawn mowers, string trimmers, generators and even cars and boats.

So take the Engine Doctors' advice. Keep your engine clean and sober with **5-in-1 Advanced Formula Fuel Treatment.**

[www.BriggsandStratton.com/dealerAFT](http://www.BriggsandStratton.com/dealerAFT)



\*Read your operator's manual for fuel recommendations.

**BRIGGS&STRATTON MASTER PARTS CATALOG**

Briggs & Stratton Corporation is the world's largest producer of gasoline engines for outdoor power equipment and has been providing power for consumers and professionals for over a century now.

Briggs & Stratton, through its subsidiary Briggs & Stratton Power Products Group, LLC, is also a leading designer, manufacturer and marketer of generators (portable and standby), pressure washers, snow throwers, lawn and garden equipment and related accessories. With that kind of market breadth, a strong service network is necessary to provide customers with the service they deserve.

The Briggs & Stratton Dealer Network provides this superior service and support. Our dealers represent the crucial human link between Briggs & Stratton and our end customers. With the increasingly important focus on the consumer, we need to make certain our dealers are equipped with the necessary tools to exceed consumer expectations.

This latest revised edition of Briggs & Stratton's Master Parts Catalog was developed as one of those essential tools, and is designed to help you find exactly what you're looking for quickly and easily. The catalog has been revised to be a functional resource for all of your part and accessory needs.

Inside, you'll find Briggs & Stratton's broad selection of genuine parts that make a Briggs & Stratton® engine run at its best. Additionally, the Dealer Merchandise section includes all of Briggs & Stratton's merchandising options to make your dealership stand out as a Briggs & Stratton dealer and also an efficient place to shop. Individuals interested in acquiring information regarding the Briggs & Stratton dealer programs should contact the Integrated Distributor (IDN) in their area ([See Authorized Distribution Network map on page 16-3](#)).

Briggs & Stratton Dealers may log on to [www.ThePowerPortal.com](http://www.ThePowerPortal.com) for a wealth of information exclusively available to our business partners. The site saves you time and money by meeting your training needs. Also accessible through The Power Portal is the Custom Marketing program designed for you to easily market your products and services. If you do not have a current user name and password, please contact your IDN sales representative or call 1-800-480-9403.

All of us at Briggs & Stratton wish you the best of luck in your business and future sales. Thank you for your commitment to high quality parts and service!

# ii LEGEND

The icons used next to each part represent the packaging available for that part.

**EXAMPLE:**



Red Box - individually packaged part (most dealers stock)



Display Packaged Parts - displayed on the Briggs & Stratton Merchandise Displays, pg. 17-1



Shop Pack - multiple quantity packaged

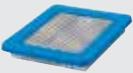


Mega Pack - bulk quantity packaged (The Mega Pack is marked individually, see below)

- Under each icon column is the part number of the packaged part.

**EXAMPLE:**



	<b>Air Filter Cartridge</b>	Intek™ V-Twin Engines, Uses 273638S Pre-Cleaner	499486S	5063 w/273638S Pre-cleaner	4223 Qty. 6
	<b>Air Filter Cartridge</b>	625-1575 Series™, 3.5-6.5 Gross HP† Quantum® Engines, Uses 491435S or 493537S Pre-cleaner	491588S	5043	 491588B Qty. 336

- The air filter cartridge in the normal Red Box Package is part number 499486S. It can also be ordered in the Display Parts Package under part number 5063. It can also be ordered in the Shop Pack Package under part number 4223 with a quantity of 6 filters in the box. Parts can be ordered in the Mega Pack Package if you see the mega pack icon in the last column as in the example above as part number 491588B with a quantity of 336 filters in the box.

If you would like to see a photograph of a Display Parts Package, refer to the Retail Parts & Accessories section, pg. 9-2.



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# AIR FILTERS – FOAM 1-1



	<b>Air Filter Foam Element</b>	2-5 Gross HP <sup>†</sup> Horizontal	27987S		4108 Qty. 5
	<b>Air Filter Foam Element</b>	3 & 3.5 Gross HP <sup>†</sup> Vertical	270579S	5099	4104 Qty. 5
	<b>Air Filter Foam Element</b>	Vertical Models 82500-92900 w/Automatic Choke	270251		
	<b>Air Filter Foam Element</b>	450-600 Series™, 4.5-6 Gross Torque <sup>‡</sup> , 3-3.75 Gross HP <sup>†</sup> Vertical Classic™ & Sprint™, 4 Gross HP <sup>†</sup> Quattro™	272235S	5047	4107 Qty. 6
	<b>Air Filter Foam Element</b>	4 Gross HP <sup>†</sup> (10 CID) Vertical	270067		
	<b>Air Filter Foam Element</b>	4 Gross HP <sup>†</sup> Vertical	270848		
	<b>Air Filter Foam Element</b>	5 Gross HP <sup>†</sup> Vertical	270447		
	<b>Air Filter Foam Element</b>	7 & 8 Gross HP <sup>†</sup> Vertical	270528S		4133 Qty. 4
	<b>Air Filter Foam Element</b>	7-14 Gross HP <sup>†</sup> (Early Style)	270093		
	<b>Air Filter Foam Element</b>	8-11.5 Gross HP <sup>†</sup> Vertical	272922		
	<b>Air Filter Foam Element</b>	10 & 11 Gross HP <sup>†</sup> Vertical	270843S		4134 Qty. 4

† All power levels are stated gross torque at 2600 rpm per SAE J1940.  
‡ All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 1-2 AIR FILTERS - CARTRIDGE



	<b>Air Filter Foam Element</b>	450-600 Series™, 4.5-6 Gross Torque†, 3.5-4.5 Gross HP‡ Q™45, Classic™, Sprint™, Quattro™ Engines, w/plastic air cleaner housings	698369	5088+5099	4216 Qty. 6
	<b>Air Filter Foam Element</b>	6 Gross HP‡ Europa™ Vertical, 6 Gross HP‡ Vanguard™ Vertical, 7.5 Gross HP‡ Vanguard™ Horizontal	691315		
	<b>Air Filter Foam Element</b>	6.5-6.75 Gross HP‡ Quantum® Engines	794071		
	<b>Air Filter Foam Element</b>	675-875 Series™	797301	5433	4249 Qty. 5
	<b>Air Filter Foam Element</b>	450e -500e Series™ with foam filter	799579	5434	4248 Qty. 5
	<b>Air Filter Foam Element</b>	Fource™	696923		
	<b>Air Filter Foam Element</b>	Horizontal 750 Series™	591717		
	<b>Air Filter Upgrade Kit</b>	Replaces all Briggs & Stratton® foam filters, 300-550 Series™, 3.0-5.5 Gross Torque†, Classic™, Sprint™, Quattro™, and Q™45 3-5 Gross HP‡ Engines		5099	
	<b>Air Filter Cartridge</b>	Europa™ (9 CID) OHV Vertical, Uses 273185S Pre-cleaner Quantum®, 12U, 12V, 12W800	497725S	5055 w/273185S Pre-cleaner	4197 Qty. 4
	<b>Air Filter Cartridge</b>	7 & 8 Gross HP‡ Vertical	393406		
	<b>Air Filter Cartridge</b>	7, 8 & 11 Gross HP‡ Horizontal, Uses 271939 Pre-cleaner	399968		
	<b>Air Filter Cartridge</b>	8.5, 10.5 & 11 Gross HP‡ Vertical Uses 272477S Pre-cleaner	691667	5075 w/273356S Pre-cleaner	4166 Qty. 5

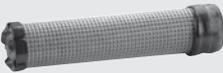
# AIR FILTERS – CARTRIDGE 1-3

					
	<b>Air Filter Cartridge</b>	12.5-15 Gross HP <sup>†</sup> Vertical Uses 272403S Pre-cleaner	496894S	5053 w/273356S Pre-cleaner	4139 Qty. 4
	<b>Air Filter Cartridge</b>	L-Head Twin Vertical Uses 272490S Pre-Cleaner	394019S	5052 w/273356S Pre-cleaner	4136 Qty. 4
	<b>Air Filter Cartridge</b>	Intek™ 5.5-6.75 Gross HP <sup>†</sup> Engines, Uses 273356 Pre-Cleaner	697029	5059 w/273356S Pre-cleaner	4207 Qty. 4
	<b>Air Filter Cartridge</b>	475-525 Series™, 3.5-4 Gross HP <sup>†</sup> Engines	790166	5404	
	<b>Air Filter Cartridge</b>	2-5 Gross HP <sup>†</sup> Horizontal & Vertical, Uses 271466 Pre-cleaner	392308S		
	<b>Air Filter Cartridge</b>	2-5 Gross HP <sup>†</sup> Horizontal & Vertical, Uses 271466 Pre-cleaner	396424S		4137 Qty. 4
	<b>Air Filter Cartridge</b>	5.5 Gross HP <sup>†</sup> (10CID) Vertical Vanguard™, Uses 272218 Pre-cleaner	491950		
	<b>Air Filter Cartridge</b>	6-6.5 Gross HP <sup>†</sup> Intek™ Vertical Highmount Metal End Cap	692446		4224 Qty. 4
	<b>Air Filter Cartridge</b>	Intek™ 5.5-6.75 Gross HP <sup>†</sup> Engines, Uses 695303 Pre-Cleaner	695302		
	<b>Air Filter Cartridge</b>	7 & 8 Gross HP <sup>†</sup> Horizontal (Early Style)	390492		
	<b>Air Filter Cartridge</b>	10, 11 & 12 Gross HP <sup>†</sup> Horizontal	392286		

<sup>†</sup> All power levels are stated gross HP at 3600 rpm per SAE J1940.

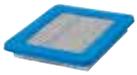
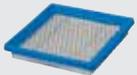
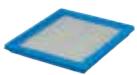
# 1-4 AIR FILTERS - CARTRIDGE



	<b>Air Filter Cartridge</b>	7-18 Gross HP <sup>†</sup> Horizontal Uses 271794S Pre-cleaner	393957S		4106 Qty. 4
	<b>Air Filter</b>	Use on 500e,550ex,6.25ex, 6.75exi, and 7.25exi Series™ with paper filter	593260	5432	4247 Qty. 5
	<b>Air Filter Cartridge</b>	6 Gross HP <sup>†</sup> (14 CID) Vertical & Horizontal	496047		
	<b>Air Filter Cartridge</b>	L-Head Twin Horizontal & V-Twin Vanguard, Uses 272490S Pre-Cleaner	394018S	5050 w/272490S Pre- cleaner	4135 Qty. 4
	<b>Air Filter Cartridge</b>	Models 540000 & 610000	841497		4235 Qty. 4
	<b>Air Filter Cartridge</b>	Single Cylinder 20-21 Gross HP <sup>†</sup> Engines and most Model 33 Engines. Uses 793685S Pre-Cleaner	793569	5415 w/793569 Pre- cleaner	
	<b>Air Filter Cartridge</b>	5.50 Gross Torque <sup>‡</sup> , 550 Series™	796970		
	<b>Air Filter Cartridge</b>	Model 44 & 49 Cyclonic Filter	798897		
	<b>Air Filter Cartridge</b>	Vanguard V-Twin™, Uses 692520 Pre-cleaner	692519		4232 Qty. 5
	<b>Air Filter Cartridge</b>	Used on engine model #385777 & 3L/C	820263		4234 Qty. 4
	<b>Air Filter Cartridge</b>	Models 540000 & 610000	821136		4236 Qty. 4

# AIR FILTERS – CARTRIDGE 1-5

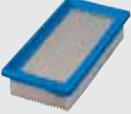
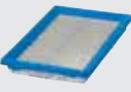
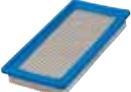
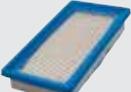
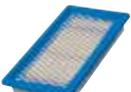
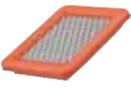


	<b>Air Filter Cartridge</b>	10.5-11.5 Gross HP <sup>†</sup> Intek™ Vertical Shaft 212900, 214900, 217900 Green Filter	698973		
	<b>Air Filter Cartridge</b>	7.0 Gross Torque <sup>‡</sup> , Vertical and 700 Series™ DOV® Engines	792038		
	<b>Air Filter Cartridge</b>	6.5 Gross HP <sup>†</sup> Vanguard™/Model 13 Vanguard™, Uses 798513 Pre-cleaner	797033		4101 Qty. 5
	<b>Air Filter Cartridge</b>	Intek™, I/C® OHV Gross HP <sup>†</sup> , Vanguard™ OHV 19 Gross HP <sup>†</sup> , and Extended Life Series™ Engines	591338		
	<b>Air Filter Cartridge</b>	Professional Series™ 7.75, 8.5, 8.75, Uses Pre-cleaner 796254	795066	5419 w/796254 Pre-cleaner	
	<b>Air Filter Cartridge</b>	13.5 Gross HP <sup>†</sup> Intek™, I/C® OHV, Vanguard™ OHV 19.0 Gross HP <sup>†</sup> Engines. Includes sealing gaskets	797032		
	<b>Extended Life Series™ Air Filter Cartridge</b>	V-Twin 16-27 Gross HP <sup>†</sup> Engines, Uses Pre-cleaner 276890	792105	5405 w/276890 Pre-cleaner	4233 Qty. 4
	<b>Air Filter Cartridge</b>	Model 31 Cartridge Filter	591334		
	<b>Air Filter Cartridge</b>	625-1575 Series™, 3.5-6.5 Gross HP <sup>†</sup> Quantum® Engines, Uses 491435S or 493537S Pre-cleaner	491588S	5043	 491588B Qty. 336
	<b>Air Filter Cartridge</b>	3.5 Gross HP <sup>†</sup> Quantum® (10 CID)	399877S		4103 Qty. 5
	<b>Air Filter Cartridge</b>	12.5-16 Gross HP <sup>†</sup> Horizontal & Vertical V-Twin Vanguard™, Uses 805267S pre-cleaner	805113		4140 Qty. 5

<sup>†</sup> All power levels are stated gross torque at 2600 rpm per SAE J1940.  
<sup>‡</sup> All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 1-6 AIR FILTERS - CARTRIDGE



	<b>Air Filter Cartridge</b>	7-11 Gross HP <sup>†</sup> Single Cylinder Industrial Plus™ Engines	691643		4195 Qty. 5
	<b>Air Filter Cartridge</b>	Intek™ V-Twin Engines, Uses 273638S Pre-Cleaner	499486S	5063 w/273638S Pre-cleaner	4223 Qty. 6
	<b>Air Filter Cartridge</b>	3.5 & 4 Gross HP <sup>†</sup> Max Series & 2-Cycle, Uses 399039 Pre-cleaner	397795S	5027	4102 Qty. 5
	<b>Air Filter Cartridge</b>	9-15 Gross HP <sup>†</sup> Single Cylinder Vanguard™ Engines, Uses 710268 Pre-cleaner	710266		4152 Qty. 4
	<b>Air Filter Cartridge</b>	3.5 & 5 Gross HP <sup>†</sup> Industrial Plus™, Uses 492889 Pre-cleaner	494511S		4145 Qty. 4
	<b>Air Filter Cartridge</b>	4 Gross HP <sup>†</sup> (8 CID), Uses 710267 Pre-cleaner	710265		4154 Qty. 4
	<b>Air Filter Cartridge</b>	9 Gross HP <sup>†</sup> (16 CID) Vanguard™, Uses 492889 Pre-cleaner	491384		4155 Qty. 4
	<b>Air Filter Cartridge</b>	Model 050000	711459		4156 Qty. 4
	<b>Extended Life Series™ Air Filter Cartridge</b>	18-26 Gross HP <sup>†</sup> Intek™ V-Twin Engines, Extended Life Series™ Version of 499486S/5063	698754	5069 w/273638S Pre-cleaner	
	<b>Extended Life Series™ Air Filter Cartridge</b>	14-18 Gross HP <sup>†</sup> I/C®, Intek™, OHV, Extended Life Series™ & AVS®. Extended Life Series™ Version use 697153/5078. Uses Pre-cleaner 697015	795115	5078	4214 Qty. 6
	<b>Air Filter Cartridge AVS®</b>	14-18 Gross HP <sup>†</sup> I/C®, Intek™, OHV & AVS® Engines, For Extended Life Series™ Version use 697153/5078, Uses Pre-cleaner 697015	797008	5077	4214 Qty. 6

# PRE-CLEANERS 1-7

					
	<b>Air Filter Cartridge</b>	8-13.5 Gross HP <sup>†</sup> Power Built™ OHV I/C® OHV & AVS® Engines, Uses Pre-cleaner 697292	797007	5079 w/697293 Pre-cleaner	4213 Qty. 6
	<b>Air Filter Cartridge</b>	Intek™ V-Twin 16-27 Gross HP <sup>†</sup> Engines, Uses Pre-cleaner 273635S	792101	5408 w/273638S Pre-cleaner	
	<b>Pre-Cleaner</b>	Europa (9 CID) OHV Vertical, Quantum®, 12U, 12V, 12W800, Pre-cleaner for 497725S	273185S		
	<b>Pre-Cleaner</b>	12.5 & 14 Gross HP <sup>†</sup> (26 CID) Vertical Vanguard™, Pre-cleaner for 491021	492947		
	<b>Pre-Cleaner</b>	2-5 Gross HP <sup>†</sup> Horizontal & Vertical Pre-cleaner for 396424S & 392308S	271466		4109 Qty. 4
	<b>Pre-Cleaner</b>	7-18 Gross HP <sup>†</sup> Horizontal Pre-cleaner for 393957S	271794S		4141 Qty. 5
	<b>Pre-Cleaner</b>	L-Head Twin Vertical, L-Head Twin Horizontal & V-Twin Vanguard™ Pre-cleaner for 394018 & 19S	272490S		4111 Qty. 6
	<b>Pre-Cleaner</b>	7, 8 & 11 Gross HP <sup>†</sup> Horizontal Pre-cleaner for 399968	271939		
	<b>Pre-Cleaner</b>	Pre-cleaner for 399806S	271962S		4110 Qty. 4
	<b>Pre-Cleaner</b>	Intek™ V-Twin Pre-cleaner for 499486S	273638S		
	<b>Pre-Cleaner</b>	12.5 & 14 Gross HP <sup>†</sup> (26 CID) Vertical Vanguard™ Pre-cleaner (Heavy Duty) for 491021	272444		

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

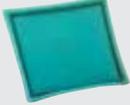
# 1-8 PRE-CLEANERS



	<b>Pre-Cleaner</b>	Intek™ 5.5-6.75 Gross HP† Engines Pre-cleaner for 697029	273356S		4201 Qty. 5
	<b>Pre-Cleaner</b>	5.5 Gross HP† (10CID) Vertical Vanguard™, Uses 491950 Pre-cleaner	272218		
	<b>Pre-Cleaner</b>	Pre-cleaner for 691667	272477S		4199 Qty. 5
	<b>Pre-Cleaner</b>	Pre-cleaner for 496894S	272403S		4142 Qty. 5
	<b>Pre-Cleaner</b>	6.5 Gross HP† Vanguard™ Pre-cleaner for 798513	798513		
	<b>Pre-Cleaner</b>	Pre-cleaner for 491588S	491435S		4146 Qty. 5
	<b>Pre-Cleaner</b>	Pre-cleaner for 397795S	399039		
	<b>Pre-Cleaner</b>	Pre-cleaner for 491384, 494511S, 691643	492889		4148 Qty. 5
	<b>Pre-Cleaner</b>	Pre-cleaner for 491588S Wire mesh version - Selected Models	493537S	5064	4147 Qty. 5
	<b>Pre-Cleaner</b>	Pre-cleaner for 710265	710267		
	<b>Pre-Cleaner</b>	Used on model 050000 Pre-cleaner for 711459	711460		

# PRE-CLEANERS 1-9



	<b>Pre-Cleaner</b>	Pre-cleaner for 710266	710268		
	<b>Pre-Cleaner</b>	Pre-cleaner for 805113	805267S		4143 Qty. 5
	<b>Pre-Cleaner</b>	Pre-cleaner for 689413	697292		4215 Qty. 5
	<b>Pre-Cleaner</b>	Pre-cleaner 698083	697015		
	<b>Pre-Cleaner</b>	Pre-cleaner 695302	695303		
	<b>Pre-Cleaner</b>	Professional Series™ 7.75, 8.5, 8.75, Pre-cleaner for 795066	796254		
	<b>Pre-Cleaner</b>	Pre-cleaner for 793028	793676		
	<b>Pre-Cleaner</b>	Single Cylinder 20-21 Gross HP† Used with 793569	793685		
	<b>Pre-Cleaner</b>	Pre-cleaner for 692519	692520		
	<b>Pre-Cleaner</b>	Pre-cleaner for 798897	593217		
	<b>Filter Pre-Cleaner</b>		590602		
	<b>Filter Pre-Cleaner</b>		798911		

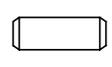
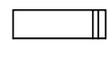
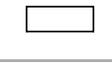
† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 2-1 INTAKE & EXHAUST VALVES

Compression

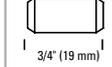
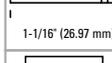
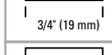
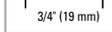
## 5/16" VALVE GUIDES L-HEAD ENGINES OVER 5 HP

Use Guide Numbers

Bushing removed from cylinder		Sintered Guide Gray or Copper Colored	<b>261961</b>
		Brass Guide 1 or 2 Grooves	<b>231218</b>
		Brass Guide No Grooves	<b>230655</b>
		Aluminum Guide or Cast Iron Cylinder	<b>231218</b>

## 1/4" VALVE GUIDES L-HEAD ENGINES OVER 5 HP & UNDER

Use Guide Numbers

Bushing removed from cylinder		Sintered Guide Gray or Copper Colored	<b>262001</b>
		Brass Guide 1 or 2 Grooves	<b>231348</b>
		Brass Guide 1 or 2 Grooves	<b>231349</b>
		Brass Guide No Grooves	<b>63709</b>
		Aluminum Guide or Cast Iron Cylinder	<b>63709</b>

For valve guide part number(s) on OHV engines, consult Repair Instruction Handbook for respective engine(s).

# MUFFLERS - LO-TONE™ 3-1



Engine Parts

Exhaust Systems

	<b>Lo-Tone™</b>	5.0 Gross HP <sup>†</sup> Horizontal & Vertical engines	390918S		
	<b>Lo-Tone™</b>	3.0-4.0 Gross HP <sup>†</sup> Vertical (1/2" NPT)	394569S		
	<b>Lo-Tone™</b>	2-4 Gross HP <sup>†</sup> (11 CID) Horizontal (1/2" NPT)	493288		
	<b>Lo-Tone™</b>	Selected Model 28 Verticals	496022S		
	<b>Lo-Tone™</b>	5.0-8.0 Gross HP <sup>†</sup> Horizontal & Vertical (3/4" NPT)	393010S		
	<b>Lo-Tone™</b>	9-18 Gross HP <sup>†</sup> Horizontal Remote Mount	399635		
	<b>Lo-Tone™</b>	Selected Model 28 Verticals	495805S		
	<b>Lo-Tone™</b>	10.0 & 11 Gross HP <sup>†</sup> Horizontal	497470		
	<b>Lo-Tone™</b>	10.0-12.5 Gross HP <sup>†</sup> Horizontal & Vertical engines Special RAF Reduced Noise Design	691874		
	<b>Lo-Tone™</b>	625-675 Series™ engines 6.0 Gross HP <sup>†</sup> Quantum® engines	692038		
	<b>Lo-Tone™</b>	6.5 Gross HP Vanguard™ engines	798515		

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 3-2 MUFFLERS - SUPER LO-TONE™ - STANDARD



	<b>Super Lo-Tone™</b>	Europa™ (9 CID) OHV Vertical	494717		
	<b>Super Lo-Tone™</b>	5.0 Gross HP† Horizontal	496892		
	<b>Super Lo-Tone™</b>	3.0 & 4.0 Gross HP† (11CID) Horizontal	691360		
	<b>Super Lo-Tone™</b>	3.0-4.0 Gross HP† Vertical	692307		
	<b>Super Lo-Tone™</b>	7.0 & 8.0 Gross HP† Horizontal & Vertical	494222		
	<b>Super Lo-Tone™</b>	8.0 & 11.0 Gross HP† Horizontal 18.0 Gross HP† Opposed Twin Horizontal Selected Models OHV Twins - (Horizontal & Vertical C/S Models/ Remote Mount) Special RAF Reduced Noise Design	498984S		
	<b>Super Lo-Tone™</b>	5.0 Gross HP† Horizontal Special RAF Reduced Noise Design	691969		
	<b>Super Lo-Tone™</b>	3.0-5.0 Gross HP† Industrial Plus™	692365		
	<b>Muffler</b>	850 Series™ engines 6.0 Gross HP† Intek™ engines	693593		
	<b>Standard</b>	2 & 3 Gross HP† Horizontal (1/2" NPT)	89966		
	<b>Standard</b>	8-16 HP† Horizontal Cast Iron Models (7" Pipe Length, 1" NPT)	299477S		

# MUFFLERS - STANDARD - VANGUARD™ 3-3



Engine Parts

Exhaust Systems

	<b>Standard</b>	9-16 Gross HP† Single Cylinder (Less Pipe Extension)	392989		
	<b>Muffler</b>	850 Series™ engines 6.0 Gross HP Intek™ engines	694429		
	<b>Standard</b>	10-12 Gross HP† 8" Pipe Length	391569S		
	<b>Standard</b>	16 Gross HP† Horizontal Cast Iron Models (11" Pipe Length, 1" NPT)	393232S		
	<b>Standard</b>	Professional Series™ 8.50-8.75 Gross Torquet	796495		
	<b>Lo-Tone™</b>	4.0 Gross HP Vanguard™ engines OHV Horizontal engines	715487		
	<b>Lo-Tone™</b>	5.5 & 6.0 Gross HP Vanguard™ engines OHV Horizontal engines	715435		
	<b>Super Lo-Tone™</b>	12.5, 16, 18 Gross HP† Vanguard™ V-Twin Horizontal	690931		
	<b>Super Lo-Tone™</b>	Horizontal Vanguard™ V-Twin 29, 30, 35 High Mount (Oil Filter Side Outlet)	807799		
	<b>Super Lo-Tone™</b>	Horizontal Vanguard™ V-Twin 29, 30, 35 High Mount (Starter Side Outlet)	807831		
	<b>Muffler</b>	Model 118400	711239		

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 3-4 MUFFLER DEFLECTORS - SPARK ARRESTERS



	<b>Muffler</b>	Model 543400 & 613100	841680		
	<b>Muffler</b>	Model 50032	715948		
	<b>Muffler</b>	Model 543400 & 613400	843741		
	<b>Muffler</b>	Model 543400 & 613100	809983		
	<b>Muffler</b>	Model 124600 Outboard Engine	699769		

The items listed below are for use on the engine series shown, when equipped with mufflers designed for use with either a deflector or spark arrester.

	Side Out	Side Out 2	Direct Out	Louvered	Louvered	Spark Arrester
						
						
60000, 80000, 90000, 94200, 100000, 110000, 120000	393760		397931	None	396548	398067
99700	None		None	None	None	
*85400, 115400, 117400, 138400, 185400, 110400		None	None	None	715491	
130000, 170000			395700	393758	None	399541
190000						817483
93400, 133400, 134400, 121S00, 121Q00		692010	None	None	None	690813
250000						817483
280000			396903	795038	None	794945
311700			396903	795038	None	794945
400000, 420000			396903	795038	None	794945
290000, 300000, 311700, 350000			396903	795038	None	794945
83100	797352					
50000, 85400, 86400, 115400, 117400, 138400, 185400	715230					

# FUEL FILTERS - LINE CLAMPS 4-1



	<b>Fuel Filter</b>	40 Micron (For Selected Engines w/ Fuel Pump, See-through)	691035	5065	4129 Qty. 5
	<b>Fuel Filter Assembly</b>	Fuel Filter 394358S (75 Micron)	394358S	5098	4112 Qty. 5  394358B Qty. 100
	<b>Fuel Filter</b>	150 Micron (For Engines without Fuel Pump)	298090S	5018	4105 Qty. 5
	<b>Fuel Filter</b>	Vanguard™ V-Twins, Horizontal w/9 Quart Fuel Tank	808116S		
	<b>Fuel Strainer</b>	"In Tank" Strainer for 4, 5.5 & 9 Gross HP† Vanguard™ and Models 85400, 115400 & 18540. For Models 190000, 235400, 245400 & V-Twin Engines w/9-Quart Fuel	710065 691370		
	<b>Fuel Line Display Pack</b>	(Replaces 395051 and 499472) - 25', ¼" ID x 7/16" OD Universal Fit (Not for low perm applications) Cut to Fit 499742 Refill for Display Pack (25')	395051R		
	<b>Fuel Filter</b>	3/LC Gas	821026		
	<b>Extended Life Series™ Fuel Filter</b>	30 Micron (For Selected Engines w/Fuel Pump)	695666		
	<b>Fuel Line Clamp</b>				<b>710075 ID 10.5 mm .413"</b> 4228 Qty. 100 4262 Qty. 50 <b>691038 Black ID .460"</b> 4230 Qty. 100 4264 Qty. 50 <b>791850 Green ID .490"</b> 4229 Qty. 100 4263 Qty. 50 4171 Qty. 5 <b>710067 ID 13.2mm .519"</b>

† All power levels are stated gross torque at 2600 rpm per SAE J1940.  
‡ All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 4-2 FUEL LINES - SHUT-OFF VALVES



	<b>Fuel Filter</b>	Glass Sediment Bowl Fuel Filter Assembly	690612		
	<b>Fuel Line</b>	3.5 & 5 Gross HP† Industrial Plus™ (Molded)	791857		
	<b>Fuel Line</b>	4, 5.5 & 9 Gross HP† Vanguard™ (Shut-off Valve to Tank) 4 mm OD x 220 mm (8-5/8") Cut to Fit	716122		
	<b>Fuel Line</b>	23" (1/2" OD x 1/4" IN) Cut to Fit	791745		
	<b>Fuel Shut-off Valve</b>	Selected Models	698182		
	<b>Fuel Shut-off Valve</b>	5 Gross HP† Vertical Vanguard™ OHV	698184		
	<b>Fuel Shut-off Valve</b>	6.5 Gross HP† Vanguard™	798634		
	<b>Fuel Shut-off Valve</b>	In-Line Valve (Quantum® & Selected Models)	698183	5091	
	<b>Fuel Shut-off Valve</b>	3.5 & 5 Gross HP† Industrial Plus™ 90 Degree Valve	698181		
	<b>Fuel Shut-off Valve</b>	4, 5.5 & 9 Gross HP† Vanguard™	716111		
	<b>Fuel Shut-off Valve</b>	625-675 Series™ For Quantum® Engines	698180		

# FUEL TANK CAPS 4-3



	<b>Tygon® Bulk Fuel Line</b>		695540 3/32" ID, 50' 695541 1/8" ID, 50' 695542 .080" ID, 50'		
	<b>Fuel Shut-off Valve</b>	For Vanguard™ Engines 2.4 Gross HP‡	715901		
	<b>Fuel Tank Cap</b>	4-11 Gross HP‡	394818S		
	<b>Fuel Tank Cap</b>	135200 & 136200 Horizontal Series/ Selected Models	498156		
	<b>Fuel Tank Cap</b>	5-11 & 13 Gross HP‡ Horizontal	791545		
	<b>Fuel Tank Cap</b>	2-4 Gross HP‡ Horizontal & Vertical, Quattro™	493982S		
	<b>Fuel Tank Cap</b>	6 Gross HP‡ Intek™	792647		
	<b>Fuel Tank Cap</b>	3-5 Gross HP‡ Horizontal, Selected Models	494559		
	<b>Fuel Tank Cap</b>	4, 5.5 & 9 Gross HP‡ Vanguard™	710490		
	<b>Fuel Tank Cap</b>	Vanguard™ OHV (10 & 16 CID) & V-Twins	491367S		
	<b>Fuel Tank Cap</b>	625-675 Series™ & 700-800 Series™, Intek™ Model Series 121600 Vertical 3.5-6.75 Gross HP‡ Vertical Max, Quantum® & Europa™	692046	5044	4227 Qty. 5

‡ All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 4-4 FUEL TANK CAPS



	<b>Fuel Tank Cap</b>	Fource™	696921		
	<b>Fuel Tank Cap</b>	134400 L-Head, 7-12.5 Gross HP† Vertical, 3.5, 5 & 9 Gross HP† Industrial Plus™ & 5.5 Gross HP† Intek™ & 8 Gross HP†, 197400, 110400, 121400	795027		
	<b>Fuel Tank Cap</b>	450-600 Series™, 3.5 & 3.75 Gross HP† Classic™ & Sprint™ and 4 Gross HP† Quattro™	497929S	5057	4132 Qty. 5
	<b>Fuel Tank Cap</b>	Quantum® Engines	794793		
	<b>Gas Cap</b>	400 & 500 Series™ (9000 & 10,000) L-Head engines	792878		
	<b>Fuel Tank Cap</b>	Professional Series™ 8.50-8.75 Gross Torque†	796577		
	<b>Fuel Tank Cap</b>	450e, 500e, 550e & 550ex, 625ex, 675ex & 725ex Series™, 950-1000 Series™, Professional Series™ 7.75-8.75	799585	5436	
	<b>Fuel Tank Cap</b>	675exi, 725exi Series™	594061	5445	

# ARMATURES - CONDENSERS - BREAKERS 5-1

## ARMATURES



Engine Model/Gross Horsepower <sup>†</sup>	Style	Red Box #
2-4 Gross HP <sup>‡</sup> Horizontal & Vertical	Breaker Points	793281
5 Gross HP <sup>‡</sup> Horizontal & Vertical	Breaker Points	397358
7-16 Gross HP <sup>‡</sup> Horizontal & Vertical Single Cylinder	Breaker Points	298968
L-Head Twins	Breaker Points	394891
2-4 Gross HP <sup>‡</sup> Horizontal & Vertical	Magnetron®	793281
Quantum® (10 CID), Series™ 625-675	Magnetron®	490748
5 Gross HP <sup>‡</sup> Horizontal & Vertical, Series™ 550	Magnetron®	397358
7-16 Gross HP <sup>‡</sup> Horizontal & Vertical Single Cylinder	Magnetron®	398811
13, 14 & 15 Gross HP <sup>‡</sup> (28 CID) OHV Vertical	Magnetron®	492341
L-Head Twins	Magnetron®	394891
2-Cycle, Quantum® (12 CID) & Europa™ (9 CID)	Magnetron®	802574
4, 5.5 & 6 Gross HP <sup>‡</sup> Vanguard™ (8 & 11 CID)	Magnetron®	715023
5 Gross HP <sup>‡</sup> Vanguard™ Vertical (10 CID)	Magnetron®	802574
9 Gross HP <sup>‡</sup> Vanguard™ (18 CID)	Magnetron®	715118
9, 12.5 & 14 Gross HP <sup>‡</sup> Vanguard™ (V-Twin 2 used)	Magnetron®	492341
10-13 Gross HP <sup>‡</sup> (28 CID) L-Head	Magnetron®	492341
11 & 13 Gross HP <sup>‡</sup> Vanguard™ Horizontal	Magnetron®	492341
6 Gross HP <sup>‡</sup> Intek™ Vertical (12 CID)	Magnetron®	802574
5.5-6.5 Gross HP <sup>‡</sup> Intek™ (11 & 12 CID), Series™ 825-850	Magnetron®	802574
Vanguard™ V-Twin	Magnetron®	492341
Intek™ v V-Twin	Magnetron®	691060
3/LC Ignition Coil (3 used)		820037
6.5 Gross HP <sup>‡</sup> Vanguard™	Magnetron®	796964
5.50 Gross Torque <sup>†</sup> , 550 Series™	Magnetron®	797684
5-7 Gross HP <sup>‡</sup> 2 Cylinder Snow Engines	Magnetron®	801268
2.4 Gross HP <sup>‡</sup> Vanguard™	Magnetron®	711526
7.00 Gross Torque <sup>†</sup> , 700 Series™	Magnetron®	793449

## CONDENSERS - BREAKERS



## CONDENSERS - BREAKER ASSEMBLY



Engine Model	Condensers	Breakers
8-16 Gross HP <sup>‡</sup> Horizontal Cast Iron Models	298060	298185
10 & 11 Gross HP <sup>‡</sup> Horizontal & Vertical	29861	391284
Twin Cylinder L-Head Engines	392912	394891

Engine Model	Red Box #	Display Parts #
2-8 Gross HP <sup>‡</sup> Horizontal & Vertical	294628	
2-8 Gross HP <sup>‡</sup> Horizontal & Vertical (w/Plug & Plunger)		

<sup>†</sup> All power levels are stated gross torque at 2600 rpm per SAE J1940.  
<sup>‡</sup> All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 5-2 FLYWHEEL KEYS - SPARK PLUGS



	<b>Ignition Point Plunger</b>	2-11 Gross HP† horizontal & vertical	65704S		
	<b>Ignition Point Plunger</b>	9-16 Gross HP† horizontal cast iron models	298125S		
	<b>Ignition Cable Terminal</b>	Selected engines	493880S		
	<b>Magnetron® Kit</b>	Used to retrofit most 2-legged ignition armatures w/breaker points	394970		
	<b>Flywheel Key</b>	4, 5.5, 6 & 9 HP† Vanguard™	710037		
	<b>Flywheel Key</b>	2-Cycle (9 CID)	800036		
	<b>Flywheel Key</b>	All V-Twin Vanguard™	808095		
	<b>Flywheel Key</b>	Most engines	222698S		4181 Qty. 10 4144 Qty. 50
	<b>RC14YC, RC12YC Spark Plug</b>	Selected engines	496018S		496018T Qty. 500
	<b>RC12YC Spark Plug</b>	Selected engines - 3/LC gas	491055S (.030 gap)		491055T Qty. 500
	<b>RJ19LM Spark Plug</b>	Selected engines	796112S		796112 Qty 300

# SPARK PLUG ELBOWS 5-3

					
	<b>Extended Life Series™ Platinum Spark Plug</b>	Selected L-head engines Extended Life Series™ version of 802592S/5095K	796560		4175 Qty. 24
	<b>Extended Life Series™ Platinum Spark Plug</b>	Selected OHV engines Extended Life Series™ version of 496018S/5092K	696202		4173 Qty. 24
	<b>BPRGHS Spark Plug</b>	Models 118400 & 050000	711252		
	<b>QC12YC Spark Plug</b>	Selected engines	691043		
	<b>Spark Plug</b>	Model 9 OHV vertical	692051		
	<b>RJ19LMC Spark Plug</b>	625e, 625ex, 725ex Series™, 625-675 Series™ and Quantum™ 3.5-6.75 Gross HP† engines	591868		
	<b>Spark Plug Elbow</b>	Most engines	66538S		
	<b>Spark Plug Elbow</b>	4, 5.5 & 9 Gross HP† Vanguard™	710634		
	<b>Spark Plug Elbow</b>	3/LC gas	820084		

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 5-4 IGNITION SWITCHES

	Part #	Description
	298590	Toggle switch
	692303	Push button starter switch
	496590	Toggle switch
	691959	Indak ignition key set for 690646
	392833	Key switch for key 691959
	692318	Key switch assembly - used on engines equipped w/carburetor solenoid
	697854	Rocker switch (with light) Note: Rocker switch without light is 795333
	695747	Key switch used on selected snow engines
	794696	Key used on selected snow engines
	690646	Key switch
	695951	Touch-N-Mow® Key
	798182	Key switch for 2 cyl snow engine
	798177	Key set for 2 cyl snow engine
	495098S	Stop switch

# OIL FILTERS - MISCELLANEOUS 6-1



	<b>Oil Filter</b>	Height 3-3/8" For pressure lubrication For 3/LC Gas	491056		4153 Qty. 12
	<b>Oil Filter</b>	Height 2-1/4" (smaller version of 491056), For Extended Life Series™ version use 696854/5076K/4206	492932S	5049	4154 Qty. 12
	<b>Extended Life Series™ Oil Filter</b>	Extended Life Series™ version of 492932S/5049K/4154	696854	5076	4206 Qty. 12
	<b>Oil Filter</b>	3/LC Gas & Diesel	820314		
	<b>Oil Filter Intek™ Pro</b>	Selected models pressure lubrication	692513		
	<b>Oil Gard Kit</b>	9 Gross HP† Vanguard™ engines	492697		
	<b>Oil Fill Plug</b>	Selected engines with angled oil fill neck	281658S		
	<b>Oil Fill Cap</b>	3/LC	825024		
	<b>Dipstick Tube Seal</b>	12 & 13 Gross HP† (28 CID) Vertical & Vanguard™ V-Twin Horizontal engines, 7 & 11 Gross HP† Horizontal engines	281370S		4203 Qty. 5
	<b>Oil Gard Kit</b>	5-11 Gross HP† Horizontal engines	398182		
	<b>Oil Filter</b>	BIG BLOCK™ engines	842921		4237 Qty. 12,  MEGA PACK - 842921B Qty. 60

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 6-2 OIL FILTERS - MISCELLANEOUS



Lubrication

	<b>Oil Filter</b>	Professional Series™ 8.50 & 8.75 gross torque†	795990		
	<b>Oil Filter</b>	Models: 31Q000, 400000, 440000, 490000	798576		
	<b>Dipstick/Fill Plug</b>	Vanguard™ 13H300 6.5 Gross HP‡	798503		
	<b>Dipstick/Fill Plug</b>	83100 550 Series™ 5.5 Torque†	797325		

# STARTER GRIPS 7-1

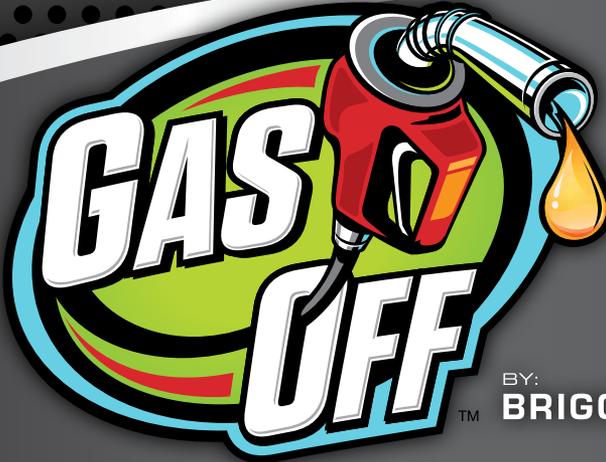


	<b>Starter Grip</b>	All vertical pull starters 2-5.5 Gross HP <sup>†</sup> engines Quantum <sup>®</sup> & Europa <sup>™</sup> engines (9CID) engines	393152		4119 Qty. 5
	<b>Starter Grip</b>	For selected models	281434S		
	<b>Starter Grip</b>	2.4 Gross HP <sup>†</sup> Vanguard <sup>™</sup> engines Size #4, 56" Long	711540		
	<b>Starter Grip</b>	3.5-10 Gross HP <sup>†</sup> single cylinder Vanguard <sup>™</sup> horizontal engines	490652		
	<b>Starter Grip</b>	Mitten grip/Sno Gard engines	699334		
	<b>Starter Grip</b>	6 Gross HP <sup>†</sup> Intek <sup>™</sup> engines	691915	5042, 5054 includes rewind tool	

<sup>†</sup> All power levels are stated gross HP at 3600 rpm per SAE J1940.

# NEW

FROM  
THE ENGINE  
EXPERTS



BY:  
BRIGGS & STRATTON®



## IT'S HAPPENED TO ALL OF US: THE DREADED GASOLINE SPILL.

The awful odor seems to linger for days, following you in the car, in the house, to work. Your only defense: Kitty litter, vinegar, or relentless soap scrubbing.

**Put away the home remedies.**

**Get Gas Off™ Hand & Surface Cleaner, by Briggs & Stratton.**

Gas Off™ won't cover up the smell, *it will remove it.*

### Product Benefits:

- Effectively removes gasoline and diesel
- For use on skin, fabrics, paint and plastic surfaces
- 100% Non-Toxic
- Plant-Based Formula. Contains no alcohol.
- Fresh Linen Scent

PART	DESCRIPTION	PACKAGE
100156F	Gas Off Single Wipe	Gravity Feed - Contains 50 Wipes
100157F	Gas Off Flat Pack (15 Wipes)	Gravity Feed - Contains 20 Flat Packs
100158	8oz. Spray Bottle	Case - 6 Bottles (minimum order)

Contact your source of supply for more information on available Gas Off™ products and displays.

# DEFLECTORS - LOCKNUTS - EXHAUST ELBOWS 8-1

## Standard Muffler Deflectors

Engine Models	 Side out Deflector	 Direct out Deflector	 Louvered Deflector	 Louvered Deflector	 Side out Deflector
60000, 80000, 90000, 100000, 110000, 120000	393760	397931	None	396548	393756
85400, 110400, 111400, 115400, 117400, 120400, 121400, 123400, 138400, 185400	796956	395700	393758	None	None
*130000, 170000, 190000	796956	395700	393758	None	None
220000, 230000, 235400, 240000, 245400, 250000, 280000, 290000, 300000, 311700, 320000, 350000, 380000, 400000, 420000	795036	396903	795038	None	None

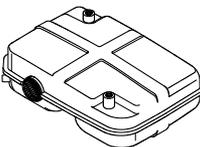
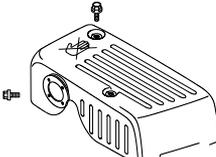
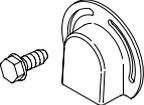
\*Shallow side out deflector 494423 required with some model 130000 guards (see page 10-8, 10-9).  
Deflectors will not fit over spark arrester.

## Standard Muffler Locknuts & Exhaust Elbows

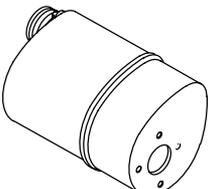
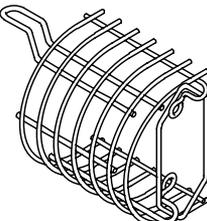
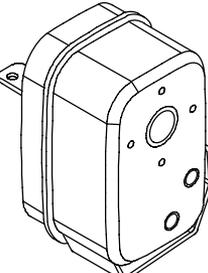
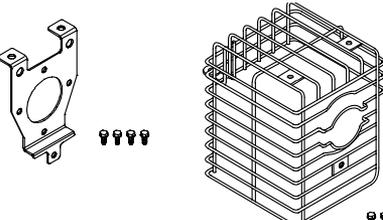
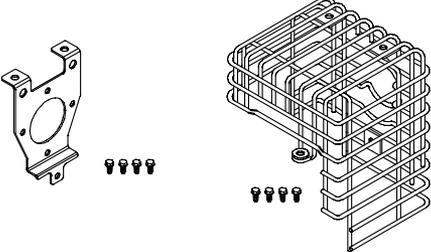
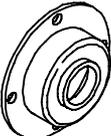
Engine Models	National Pipe Thread	 Locknut	 45°	 90°	 45° Street Elbow	 90° Street Elbow
60000, 80000, 90000, 110000	1/2" (13 mm)	691720	None	None	None	91943
					690291	(60000 only) 91943
100000, 130000, 170000, 190000, 400000, 420000	3/4" (19 mm)	690453	None	692835	94089	94092
220000, 230000, 240000, 250000, 280000, 320000	1" (25 mm)	691808	91415	91296	None	690281

# 8-2 EXHAUST

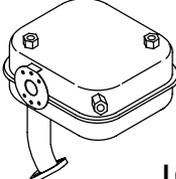
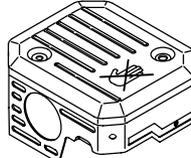
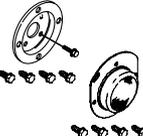
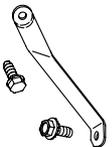
## Vanguard™ model 50032

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>715948</b></p>	 <p><b>711532</b></p>	 <p><b>715230</b></p>	<p><b>Not Available</b></p>	<p><b>Not Available</b></p>

## Models 60000, 80000, 90000 & 110000 horizontal crankshaft (1/2" or 13 mm NPT)

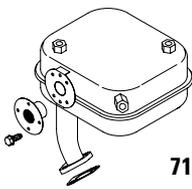
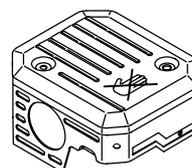
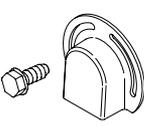
Muffler	Guard	Deflector	Spark Arrester
 <p><b>493288</b> <b>Oval Lo-Tone™</b></p>	<p>TUV</p>  <p><b>690789</b></p>	<p>(see page 10-3)</p>	
 <p><b>691360</b> <b>Super Lo-Tone™</b></p>	<p>TUV</p>  <p><b>398160</b> (model 82000 with float carburetor)</p>  <p><b>490571</b> (model 82000 with pulsa-jet carburetor)</p>	 <p><b>397931</b> (this deflector only with these guards)</p>	 <p><b>398067</b></p>

## Vanguard™ model 85400 horizontal crankshaft

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>715487</b> <b>Lo-Tone™</b></p>	 <p><b>710332</b></p>	 <p><b>715230</b></p>	 <p><b>715491</b></p>	 <p><b>715287</b></p>

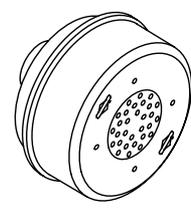
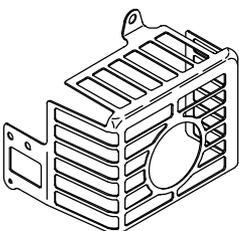
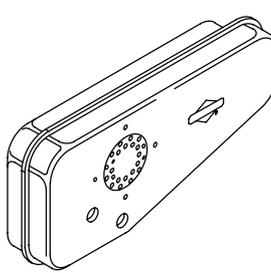
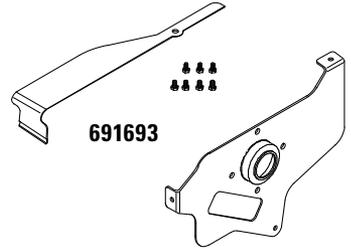
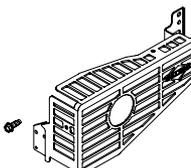
NOTE: Muffler brackets are for optional use on high vibration applications.

## Vanguard™ models 115400 & 117400 horizontal crankshaft

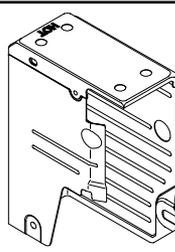
Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>715435</b></p>	 <p><b>710333</b></p>	 <p><b>715230</b></p>	 <p><b>715491</b></p>	 <p><b>715319</b></p>

**Engine Accessories**  
**Exhaust**

## Models 90000, 10A900 & 110000 vertical crankshaft (1/2" or 13 mm NPT)

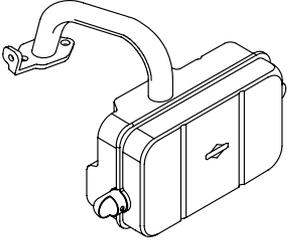
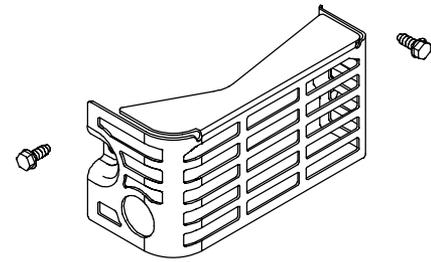
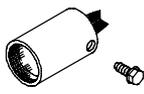
Muffler	Guard	Deflector	Spark Arrester
 <p><b>394569S</b> <b>Round Lo-Tone™</b></p>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">TUV</div>  <p><b>699670</b></p>	<p>(see page 10-3)</p>	 <p><b>398067</b></p>
 <p><b>692307</b> <b>Super Lo-Tone™</b></p>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">TUV</div>  <p><b>691693</b></p> <p><b>493967</b></p>	 <p><b>396548</b></p>	 <p><b>398067</b></p>
	<div style="border: 1px solid black; padding: 2px; display: inline-block;">TUV</div>  <p><b>699299</b></p>	 <p><b>397931</b></p>	 <p><b>398067</b></p>

## Model 93400 horizontal crankshaft

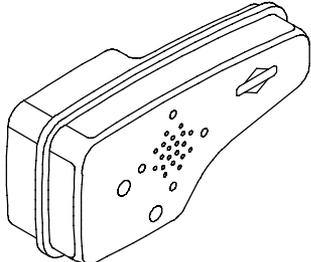
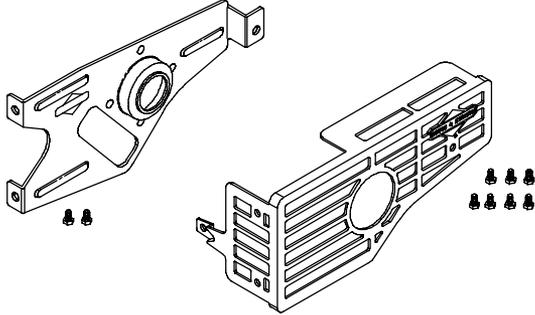
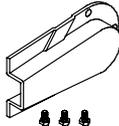
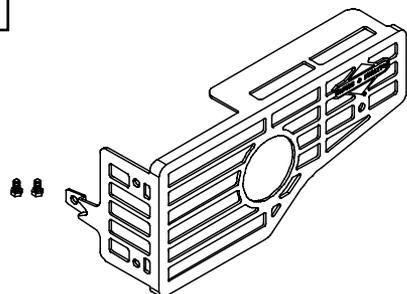
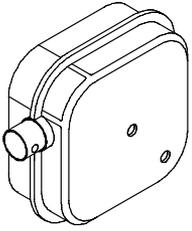
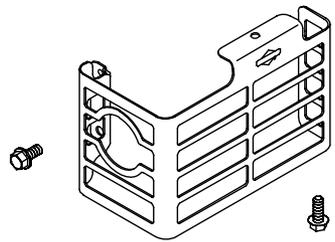
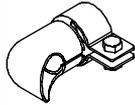
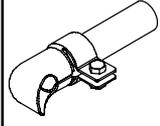
Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>692365</b> <b>Super Lo-Tone™</b></p>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">TUV</div>  <p><b>691693</b>   <b>692368</b>   <b>691685</b></p>	 <p><b>692010</b></p>	 <p><b>690813</b></p>	 <p><b>690526</b></p>

# 8-4 EXHAUST

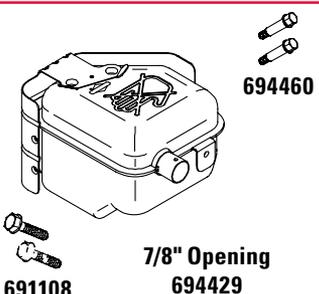
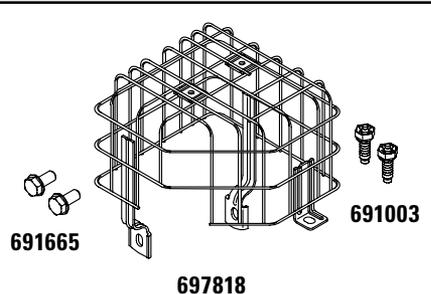
## Model 99700 vertical crankshaft

Muffler	Guard	Deflector	Spark Arrester
 <p><b>494717</b> Super Lo-Tone™</p>	<p>TUV</p>  <p><b>494719</b></p>	<p>(Not Available)</p>	 <p><b>493662</b></p>

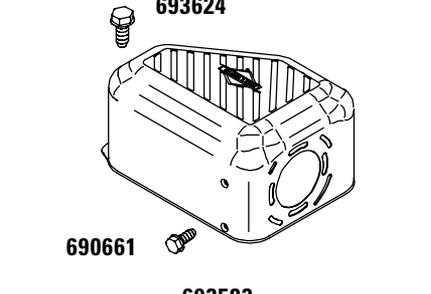
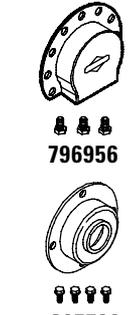
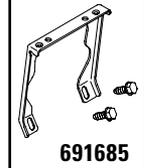
## Quantum® models 100000 & 120000 vertical crankshaft

Muffler	Guard	Deflector	Spark Arrester
 <p><b>692038</b> Super Lo-Tone™</p>	<p>TUV</p>  <p><b>494224</b></p>	 <p><b>493871</b></p>	 <p><b>398067</b></p>
	<p>TUV</p>  <p><b>499034</b></p>		
 <p><b>494343S</b> Square Lo-Tone™</p>	<p>TUV</p>  <p><b>691424</b></p>	 <p><b>697915</b></p>	 <p><b>692957</b></p>

**Intek™ models 110400, 111400, 121400 & 123400 (single cylinder) horizontal crankshaft**

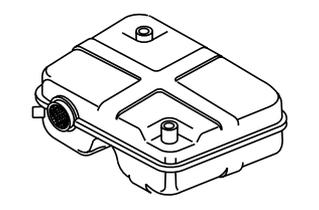
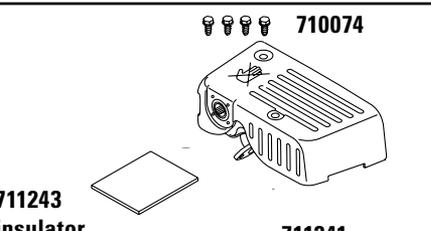
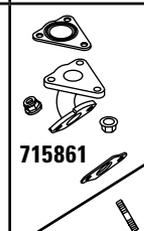
Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p>694460 7/8" Opening 694429 691108</p>	 <p>691665 691003 697818</p>	 <p>692010</p>	 <p>690813</p>	 <p>699204 691893 691665 692237 699232</p>

**Intek™ models 110400, 111400, 120400 & 121400 AFTER DATE CODE 98071900 & 123400 (single cylinder) horizontal crankshaft**

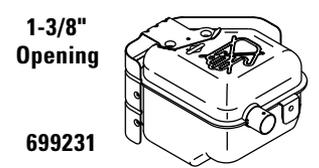
Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p>691665 692237 693593</p>	 <p>693624 690661 693583</p>	 <p>796956 395700</p>	 <p>691685 692595</p>	 <p>691685 699229</p>

**Vanguard™ model 118400 (single cylinder) horizontal crankshaft**

NOTE: Muffler brackets are for optional use on high vibration applications.

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p>711239</p>	 <p>710074 711243 insulator 711241</p>	<p>(not available)</p>	<p>(not available)</p>	 <p>715861 710099</p>

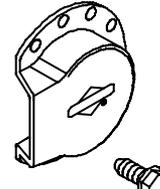
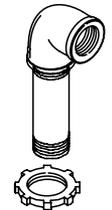
**Intek™ models 121400, 123400, 124400, 126400, 127400 & 128400 (single cylinder) horizontal crankshaft**

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p>1-3/8" Opening 699231</p>	<p>(not available)</p>	 <p>697816</p>	 <p>790153</p>	<p>(not available)</p>

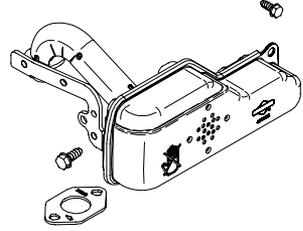
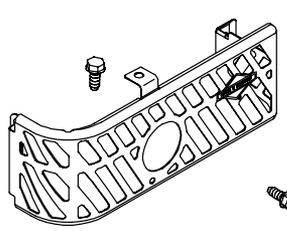
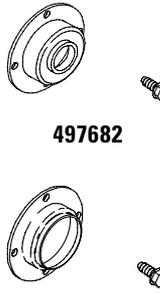
# 8-6 EXHAUST

Engine Accessories  
Exhaust

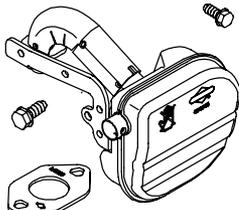
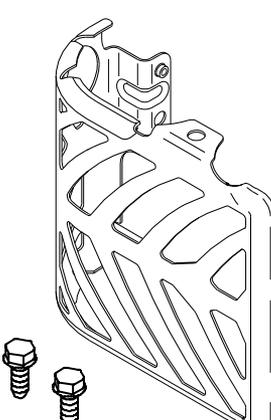
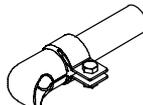
## Intek™ models 121400 (single cylinder) horizontal crankshaft (before date code 98072000)

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>692580</b></p>	(not available)	 <p><b>796956</b></p>	(not available)	 <p><b>692548</b></p>

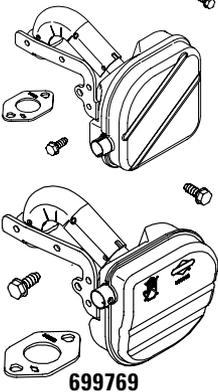
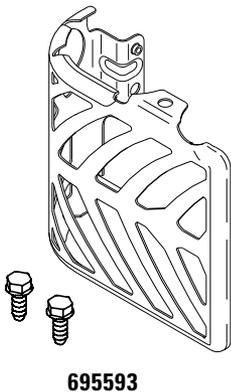
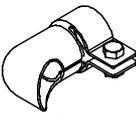
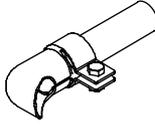
## Intek™ models 110600 & 126600 (single cylinder) vertical crankshaft

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>694248 Muffler</b> (Used After Code Date 99030700). Note: 692275 Muffler (Used Before Code Date 99030800).</p>	 <p><b>691466 Muffler Guard</b> (Used After Code Date 99030700). Note: 692984 Muffler Guard (Used Before Code Date 99030800).</p>	 <p><b>497682</b> <b>697915</b></p>	 <p><b>398067</b></p>	(not available)

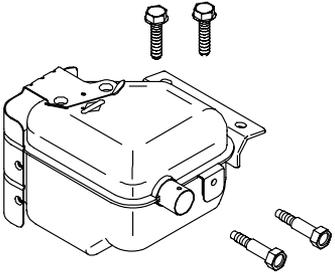
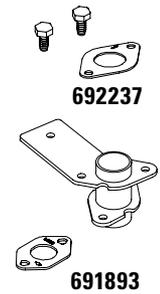
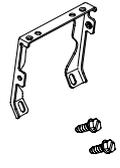
## Intek™ models 111600 & 121600 vertical crankshaft

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>699769</b></p>	 <p><b>695593</b></p>	 <p><b>397931</b></p>	 <p><b>692957</b></p>	(not available)

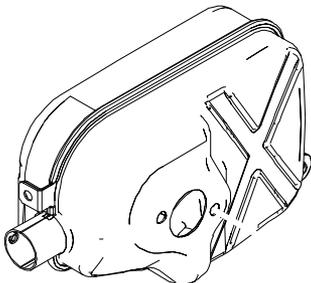
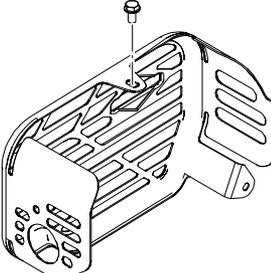
## Intek™ models 111600 & 121600 vertical crankshaft (continued)

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p>699769</p>	 <p>695593</p>	 <p>397931</p>	 <p>692957</p>	<p>(not available)</p>

## Intek™ models 12A400, 12B400, 12C400 & 12D400 (single cylinder snow engine) horizontal crankshaft

Muffler	Guard	Adapter	Spark Arrester	Bracket
 <p>699511</p>	<p>(not available)</p>	 <p>691665 692237 691893 699232</p>	<p>(not available)</p>	 <p>691685 695734</p>

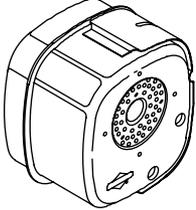
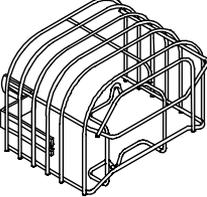
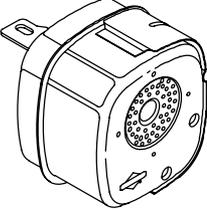
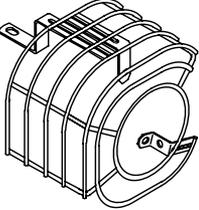
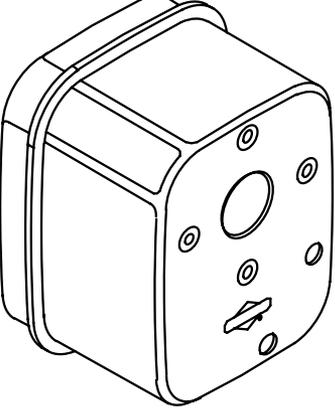
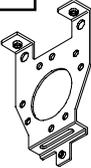
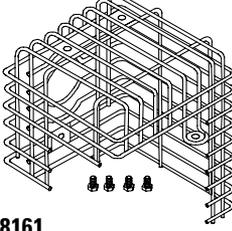
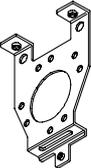
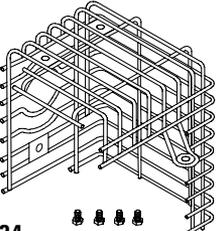
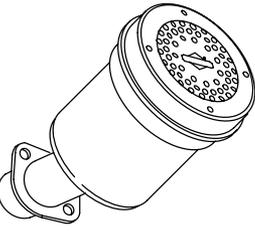
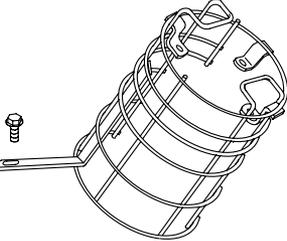
## Professional Series™ models 121Q00, 121S00

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p>796495</p>	 <p>796494</p>	 <p>692010</p>	 <p>690813</p>	<p>(not available)</p>

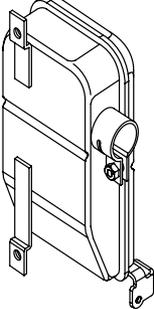
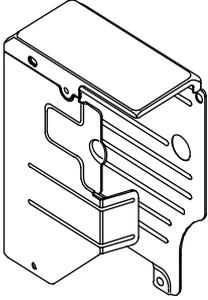
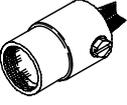
# 8-8 EXHAUST

Model 130000 horizontal & vertical crankshaft (3/4" or 19 mm npt)

Engine Accessories  
Exhaust

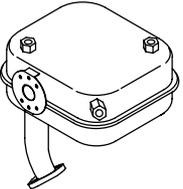
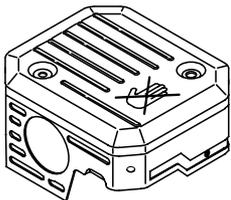
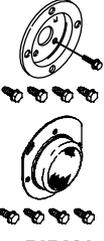
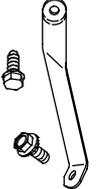
Muffler	Guard	Deflector	Spark Arrester
 <p><b>390918S</b> Lo-Tone™</p>	<p>TUV</p>  <p><b>691681</b></p>  <p><b>690788</b> (vertical shaft)</p>  <p><b>690367</b></p>	<p>(see page 10-3)</p>	
 <p><b>692304</b> Lo-Tone™</p>	<p>TUV</p>  <p><b>692198</b></p>  <p><b>690625</b> (model 130000 with pulsa-jet carburetor)</p>  <p><b>690367</b></p>		
 <p><b>691969</b> Super Lo-Tone™</p>	<p>TUV</p>  <p><b>398161</b> (model 132400 with float carburetor)</p>   <p><b>490534</b> (model 130000 with pulsa-jet carburetor)</p> 	<p>(these deflectors only with these guards)</p>  <p><b>494423</b> (shallow side out deflector)</p>  <p><b>399541</b></p> <p><b>494423</b> (shallow side out deflector)</p> <p><b>395700</b></p>	 <p><b>399541</b></p>
 <p><b>496892</b> Round Lo-Tone™</p>	<p>TUV</p>  <p><b>498257</b></p>  <p><b>498257</b></p>	 <p><b>493662</b> (this deflector only with this guard)</p> 	

## Model 133400 horizontal crankshaft

Muffler	Guard	Deflector	Spark Arrester	Adapter
 <p><b>692006</b> Super Lo-Tone™</p>	<p>TUV</p>  <p><b>691693</b></p> <p><b>690811</b> (691432 for Type No. 0700)</p>	 <p><b>692010</b></p>	 <p><b>690813</b></p>	 <p><b>691689</b></p> <p><b>690812</b></p>  <p><b>692237</b></p>

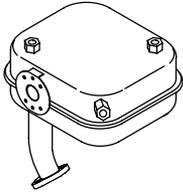
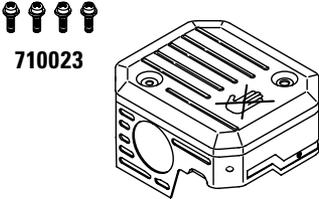
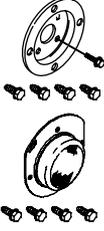
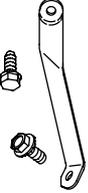
Engine  
Accessories  
Exhaust

## Vanguard™ model 138400 horizontal crankshaft

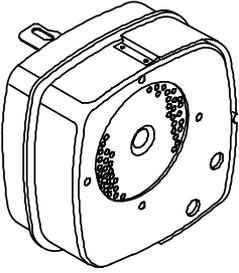
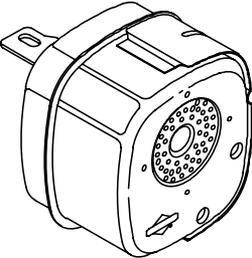
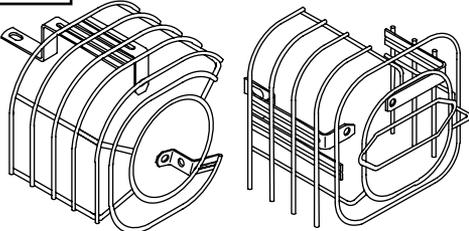
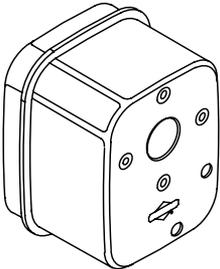
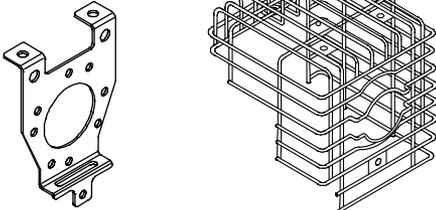
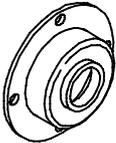
Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>715487</b> Lo-Tone™</p>	 <p><b>710074</b></p> <p><b>710332</b></p>	 <p><b>715230</b> (Also see Page 10-4)</p>	 <p><b>715491</b></p>	 <p><b>715287</b></p>

# 8-10 EXHAUST

## Model 185400 horizontal crankshaft

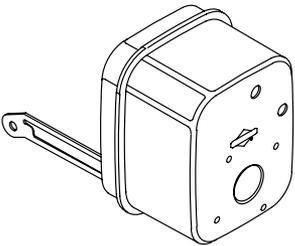
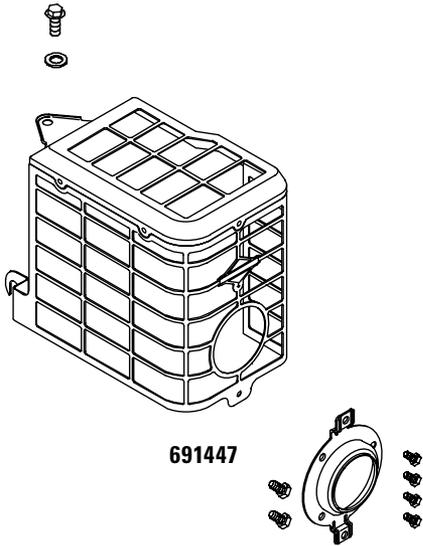
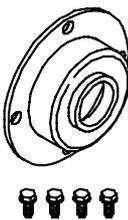
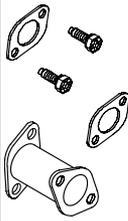
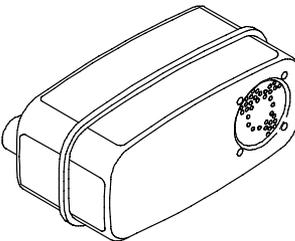
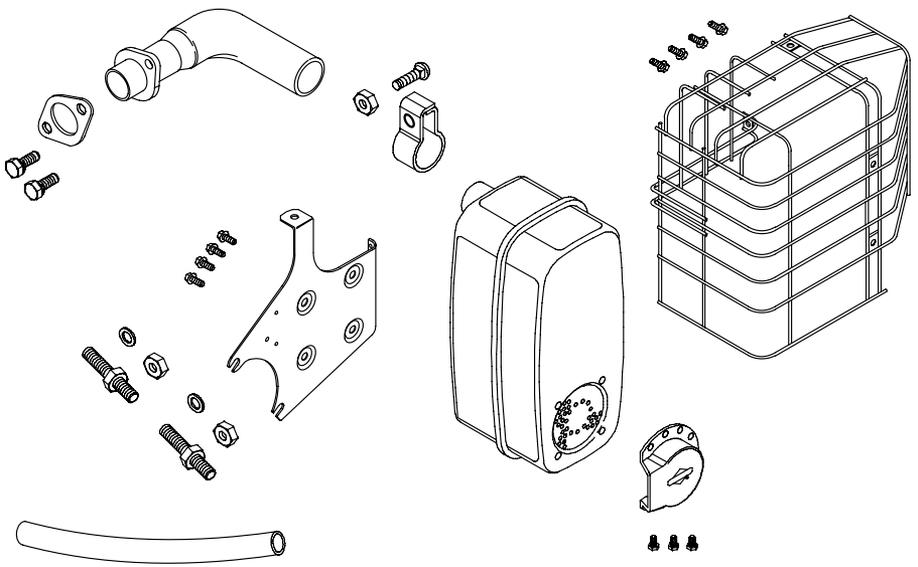
Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>715523</b> Lo-Tone™</p>	 <p><b>710023</b></p> <p><b>710334</b></p>	 <p><b>715230</b> (Also see Page 10-4)</p>	 <p><b>715491</b></p>	 <p><b>715495</b></p>

## Models 170000 & 190000 horizontal & vertical crankshaft (3/4" or 19 mm npt)

Muffler	Guard	Deflector	Spark Arrester	Adapter
 <p><b>691951</b> Lo-Tone™ (remote)</p>	(not available)			
 <p><b>692304</b> Lo-Tone™</p>	<p>TUV</p>  <p><b>691988</b> (horizontal shaft)      <b>690858</b> (vertical shaft)</p>	(see page 10-3)	 <p><b>399541</b></p>	(not required)
 <p><b>494221</b> Super Lo-Tone™</p>	<p>TUV</p>  <p><b>494868</b> (horizontal shaft)</p>	 <p><b>395700</b> (this deflector only with this guard)</p>		

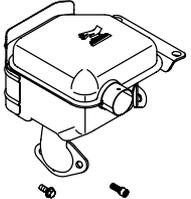
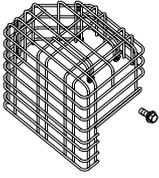
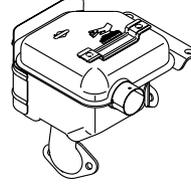
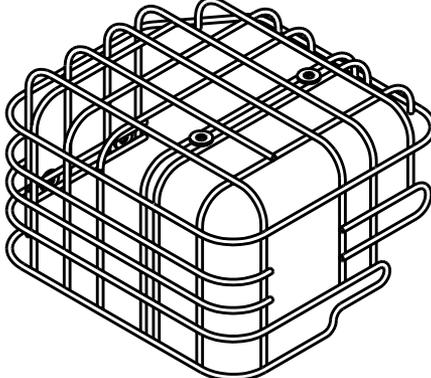
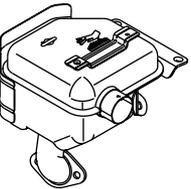
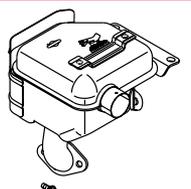
## Model 190000 horizontal crankshaft (3/4" or 19 mm npt)

Engine  
Accessories  
Exhaust

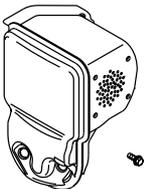
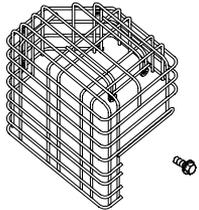
Muffler	Guard	Deflector	Spark Arrester	Adapter
 <p><b>497141 Super Lo-Tone™</b></p>	<p>TUV</p>  <p><b>691447</b></p>	 <p><b>395700 (this deflector only with these guards)</b></p>	 <p><b>817483</b></p>	 <p><b>497140</b></p>
 <p><b>498984S Super Lo-Tone™</b></p>	<p>TUV</p>  <p><b>494500 Super Lo-Tone™ Kit</b> (horizontal shaft – includes special RAF reduced after fire muffler, guard and all mounting hardware – this 393761 deflector only with this guard)</p>			

# 8-12 EXHAUST

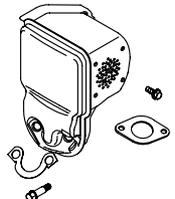
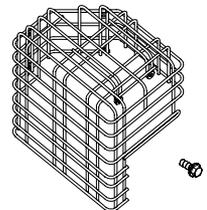
Intek™ models 20A400, 20B400, 20C400, 20D400, 20E400, 20F400 & 20G400 horizontal crankshaft

Muffler	Guard	Deflector	Spark Arrester
 <p>794694</p>	 <p>795035</p>		
 <p>698160</p>	 <p>698135</p>	(not available)	(not available)
 <p>698134</p>			
 <p>794695</p>			

Intek™ models 201400, 202400, 203400, 204400, 205400, 206400 & 207400 (single cylinder) horizontal crankshaft; all after date code 020120XX

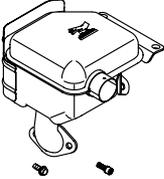
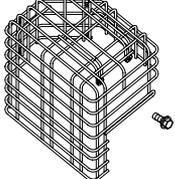
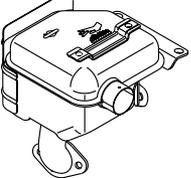
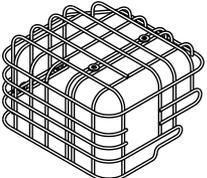
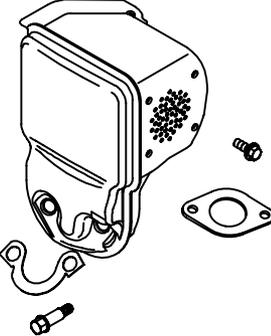
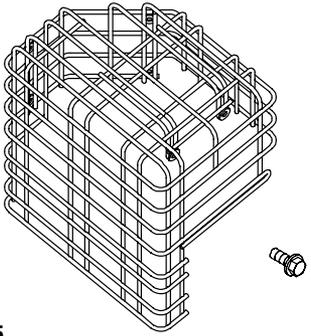
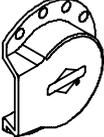
Muffler	Guard	Deflector	Spark Arrester
 <p>794949</p>	 <p>795035</p>	 <p>795036</p>	 <p>794945</p>

Intek™ models 201400, 202400, 203400, 204400, 205400, 206400 & 207400 (single cylinder) horizontal crankshaft; all before date code 020121

Muffler	Guard	Deflector	Spark Arrester
 <p>794949</p>	 <p>795035</p>	 <p>795036</p>	 <p>794945</p>

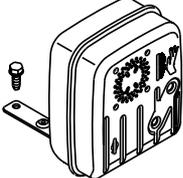
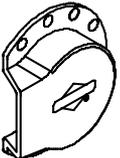
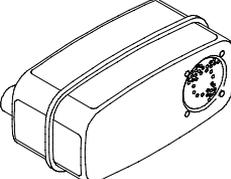
# EXHAUST 8-13

## Models 21A400 & 210400 horizontal crankshaft

Muffler	Guard	Deflector	Spark Arrester	Bucket
 <p>794694</p>	 <p>795035</p>			
 <p>698160</p>	 <p>698135</p>		(not available)	(not available)
 <p>794949</p>	 <p>795035</p>	 <p>795036</p>	(not available)	(not available)

Engine  
Accessories  
Exhaust

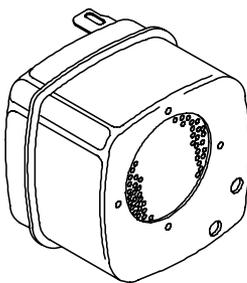
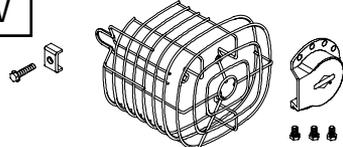
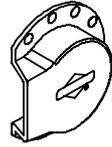
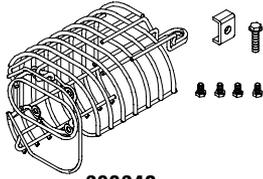
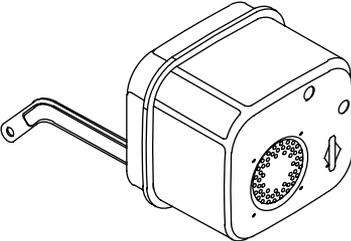
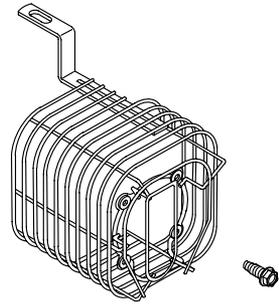
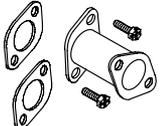
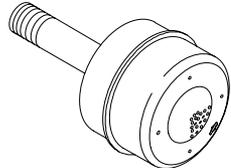
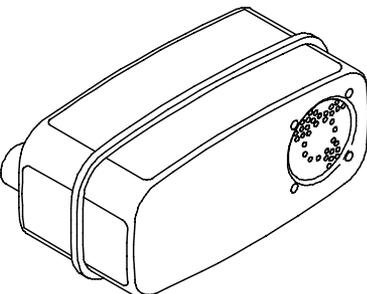
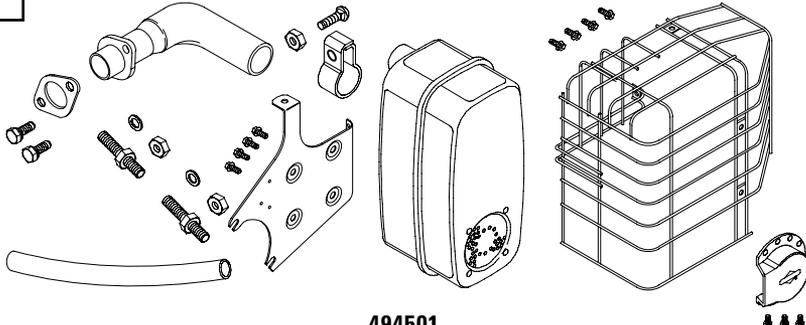
## Models 21A800, 21A900, 21B900, 212700 and 212900 vertical crankshaft

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p>796000</p>				 <p>698941</p>
 <p>795997</p>	(not available)	 <p>795036</p>	(not available)	 <p>794661</p>
 <p>498984S</p>				(not available)

# 8-14 EXHAUST

Models 220000 & 250000 horizontal & vertical crankshaft (1" or 25 mm npt)

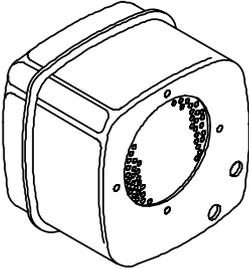
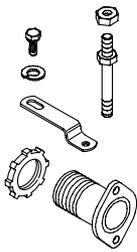
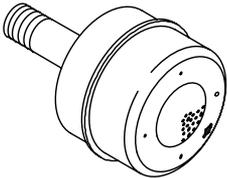
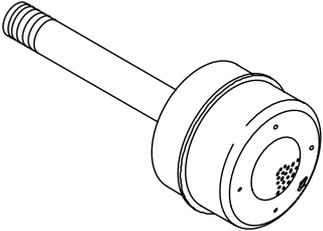
Engine Accessories

Muffler	Guard	Deflector	Spark Arrester	Adapter
 <p><b>691874</b> Square Lo-Tone™</p>	<p>TUV</p>  <p><b>691874</b> Square Lo-Tone™</p>	 <p><b>795036</b> (this deflector only with these guards)</p>	 <p><b>794945</b></p> <p>For Model 25 use 817483</p>	<p>(not required)</p>
	<p>TUV</p>  <p><b>690648</b> (horizontal shaft)</p>			
 <p><b>497470</b> Super Lo-Tone™</p>	<p>TUV</p>  <p><b>691404</b></p>	<p>(see Page 10-4)</p>	 <p><b>497469</b></p>	 <p><b>392700</b></p>
 <p><b>391569S</b> Standard (8" Length)</p>	<p>(not available)</p>			
 <p><b>498984S</b> Super Lo-Tone™</p>	<p>TUV</p>  <p><b>494501</b> Super Lo-Tone™ Kit (horizontal shaft – includes special RAF reduced after fire muffler, guard and all mounting hardware – this 795036 deflector only with this guard)</p>			

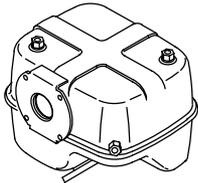
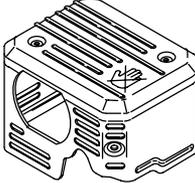
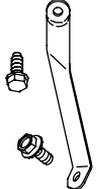
# EXHAUST 8-15

Models 230000, 240000 & 320000 (cast iron) horizontal crankshaft (1" or 25 mm npt)

Engine  
Accessories  
Exhaust

Muffler	Guard	Deflector	Spark Arrester	Adapter
 <p><b>399635</b> Square Lo-Tone™ (remote)</p>				 <p><b>394584</b></p>
 <p><b>299477S</b> Standard (7" Length)</p>	(not available)	(see page 10-3)	 <p><b>794945</b></p>	 <p><b>392700</b></p>
 <p><b>393232S</b> Standard (11" Length)</p>				

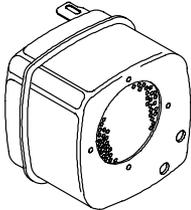
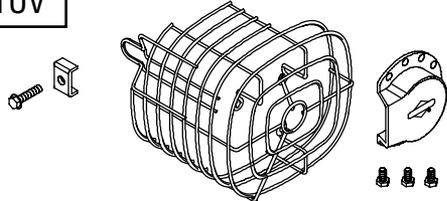
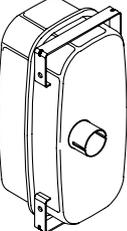
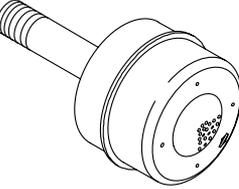
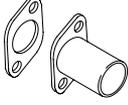
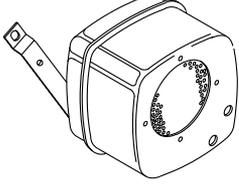
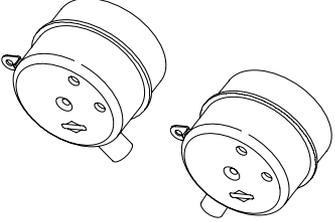
Vanguard™ models 235400 & 245400 horizontal crankshaft

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>715894</b> Lo-Tone™</p>	 <p><b>710074</b></p>  <p><b>710586</b></p>	(not available)	 <p><b>794945</b></p>	 <p><b>715422</b></p>

# 8-16 EXHAUST

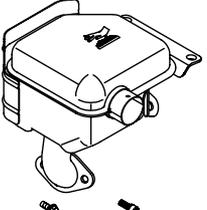
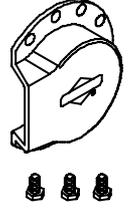
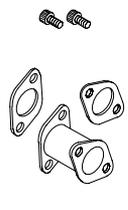
Model 280000 L-Head vertical crankshaft (1" or 25 mm npt)

Engine Accessories  
Exhaust

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>691874</b> Square Lo-Tone™</p>	<p>TUV</p>  <p><b>692361</b> (includes deflector)</p>	 <p><b>795036</b></p>	 <p><b>794945</b></p>	<p>(not required)</p>
 <p><b>690850</b> Super Lo-Tone™</p>	<p>(not available)</p>	<p>(See Page 10-4)</p>	<p>(not available)</p>	 <p><b>698941</b></p>
 <p><b>391569S</b> Standard (8" Length)</p>				 <p><b>496750</b></p>
 <p><b>496022S</b> Super Lo-Tone™</p>				 <p><b>392700</b></p>
 <p><b>495882</b> Super Lo-Tone™</p>				 <p><b>698941</b></p>

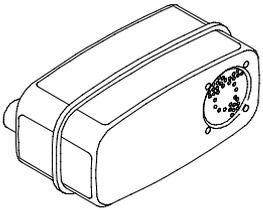
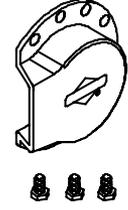
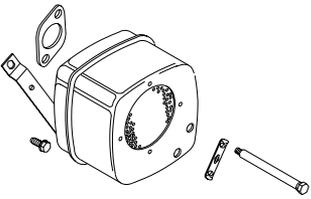
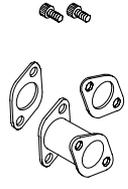
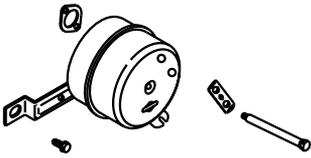
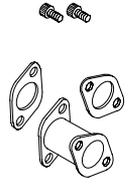
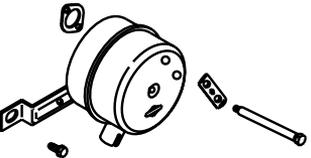
# EXHAUST 8-17

## Models 28AH00, 28CH00 & 31G700 OHV vertical crankshaft

Muffler	Guard	Muffler Bracket	Deflector	Spark Arrester	Adapter
 <p>794694</p>	(not available)	(not available)	 <p>795036</p>	(not available)	 <p>794661</p>

Engine  
Accessories  
Exhaust

## Model 28N700 OHV vertical crankshaft

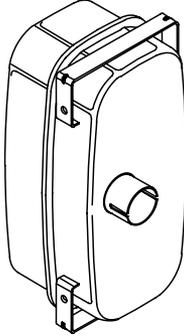
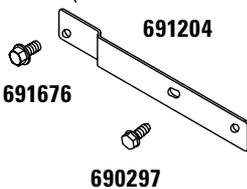
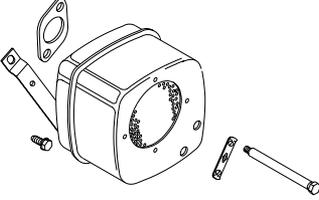
Muffler	Guard	Muffler Bracket	Deflector	Spark Arrester	Adapter
 <p>498984S</p>	(not available)	(not available)	 <p>795036</p>	 <p>794945</p>	(not available)
 <p>496022S</p>	(not available)	(not available)			 <p>794661</p>
 <p>495882</p>	(not available)	(not available)	(not available)	(not available)	 <p>794661</p>
 <p>495805S</p>	(not available)	(not available)	(not available)	(not available)	

# 8-18 EXHAUST

Models 28P700, 28Q700, 311700 & 312700 OHV vertical crankshaft (1" or 25 mm npt)

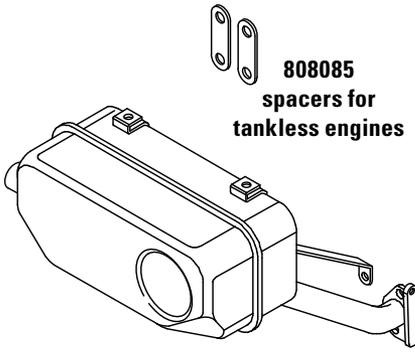
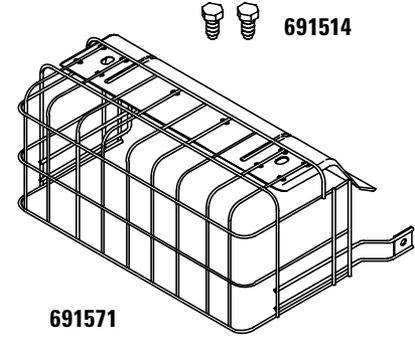
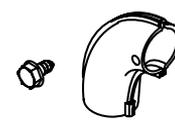
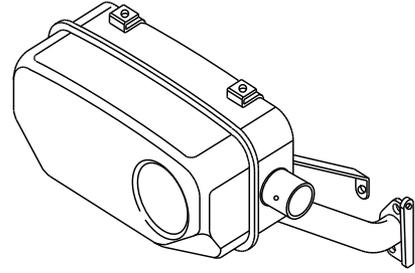
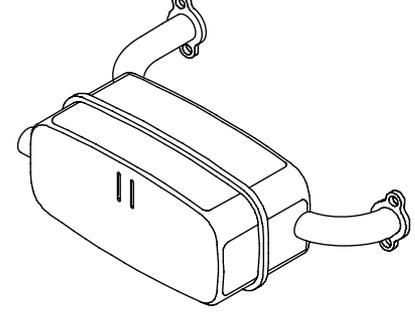
Engine Accessories

Exhaust

Muffler	Guard	Muffler Bracket	Deflector	Spark Arrester	Adapter
 <p><b>690850</b> Super Lo-Tone™</p>  <p><b>690853</b></p>	(not available)	 <p><b>691204</b></p> <p><b>691676</b></p> <p><b>690297</b></p> <p><b>691678</b></p>	(see page 10-3)	 <p><b>794945</b></p>	 <p><b>698941</b></p> <p><b>496750</b></p>
 <p><b>496022S</b></p>	(not available)	(not available)	(see page 10-3)	(not available)	 <p><b>698941</b></p> <p><b>794661</b></p>

## Vanguard™ models 290000, 300000 & 350000 horizontal crankshaft

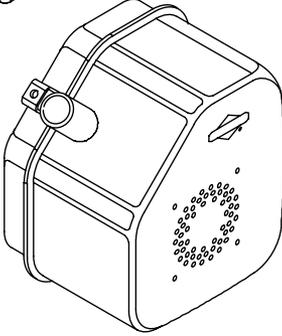
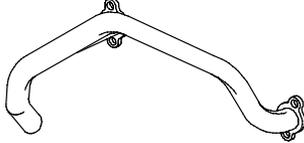
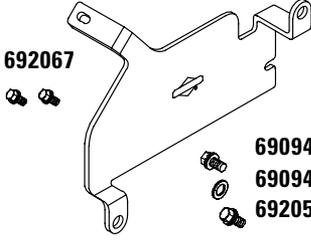
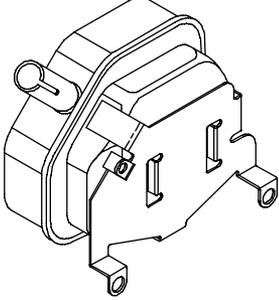
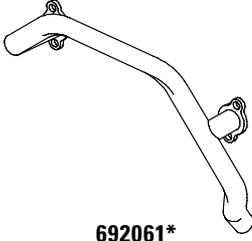
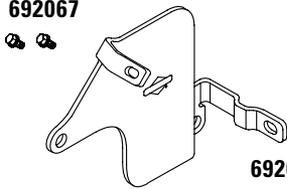
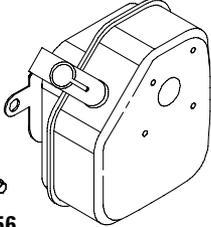
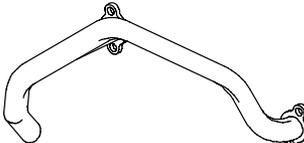
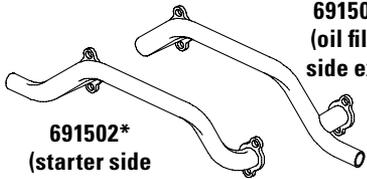
Engine  
Accessories  
Exhaust

Muffler	Guard & Heat Shield	Deflector	Spark Arrester
<p>808085 spacers for tankless engines</p>  <p>690906 (cyl #1 side outlet, starter motor side)</p>	<p>TUV</p>  <p>691571</p> <p>691514</p> <p>692067</p>	 <p>495518</p>	 <p>808361</p>
 <p>691562 (cyl #2 side outlet, oil filter side)</p>	<p>(not available)</p>	 <p>808393</p>	<p>(not available)</p>
 <p>690931 (cyl #1 side outlet, starter motor side)</p>	<p>(not available)</p>	<p>(not available)</p>	<p>(not available)</p>

# 8-20 EXHAUST

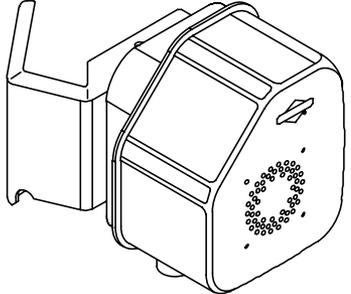
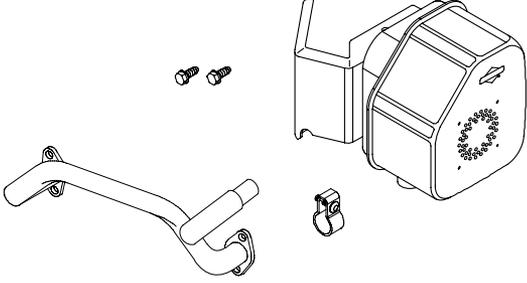
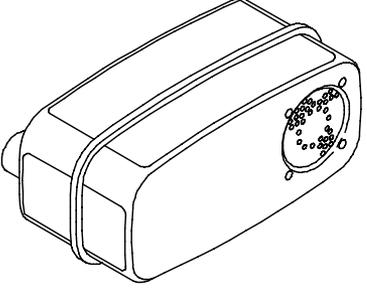
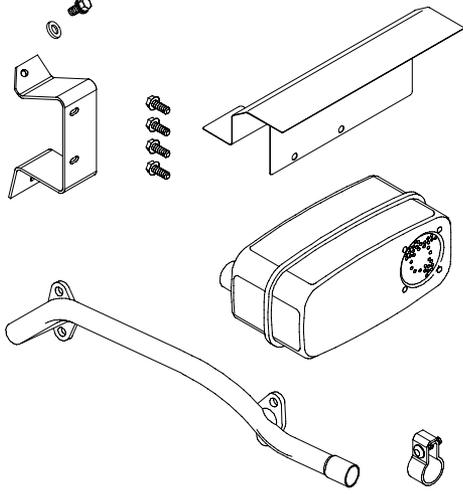
Vanguard™ models 290000, 300000 & 350000 horizontal crankshaft

Engine Accessories  
Exhaust

Muffler	Manifold	Muffler Bracket	Spark Arrester
 <p><b>690898</b></p>  <p><b>692099</b></p>	 <p><b>691499*</b> (starter motor side – cannot be installed on engine equipped with starter motor because of interference)</p>	 <p><b>692067</b></p> <p><b>690943</b> <b>690944</b> <b>692056</b></p> <p><b>690756</b></p>	<p><b>Deflector</b> (see page 10-3)</p>
 <p><b>690898</b></p>  <p><b>692539</b> <b>692056</b></p> <p><b>692099</b> (do not use on models 351400 or 351700)</p>	 <p><b>692061*</b> (oil filter side – if oil filter interferes, install 808033 oil filter adapter kit)</p>	 <p><b>692067</b></p> <p><b>692056</b></p> <p><b>691513</b> (oil filter side)</p>	
 <p><b>690898</b></p>  <p><b>692056</b></p> <p><b>807742</b> (do not use on models 351400 or 351700)</p>	 <p><b>691499*</b> (starter motor side – cannot be installed on engine equipped with starter motor because of interference)</p>	<p>(integral to muffler)</p>	
<p><b>OEM supplied</b></p>	 <p><b>691501*</b> (oil filter side exit)</p> <p><b>691502*</b> (starter side exit)</p>	<p>(not available)</p>	

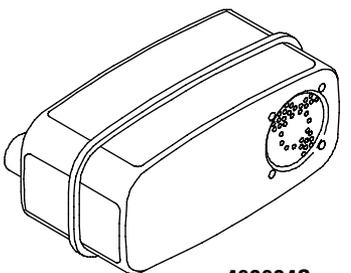
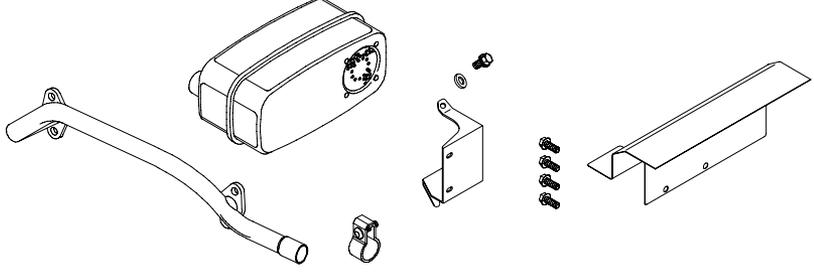
\*Note: Manifolds on this page require (2) 691613 gaskets and (4) 691902 mounting screws. No guards are available.

## Vanguard™ models 290000, 300000 & 350000 horizontal & vertical crankshaft

Muffler	Kits	Deflector	Spark Arrester
 <p><b>807953 Super Lo-Tone™</b></p>	 <p><b>807969 Super Lo-Tone™ Kit (vertical shaft – oil filter side only)</b></p>		
 <p><b>498984S Super Lo-Tone™</b></p>	 <p><b>807752 Super Lo-Tone™ Kit (horizontal and vertical shaft – oil filter side only)</b></p>	<p>(see page 10-3)</p>	 <p><b>794945</b></p>

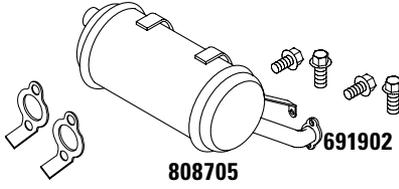
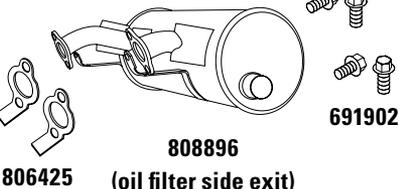
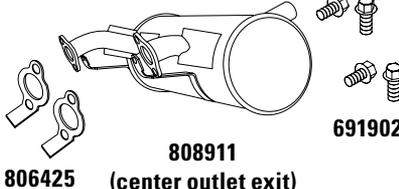
NOTE: Manifolds on this page require (2) 691613 gaskets and (4) 691902 mounting screws.

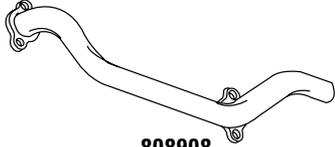
## Vanguard™ models 380000 vertical & horizontal crankshaft

Muffler	Kits
 <p><b>498984S</b></p>	 <p><b>808738 Super Lo-Tone™ Kit (horizontal and vertical shaft – oil filter side only)</b></p>

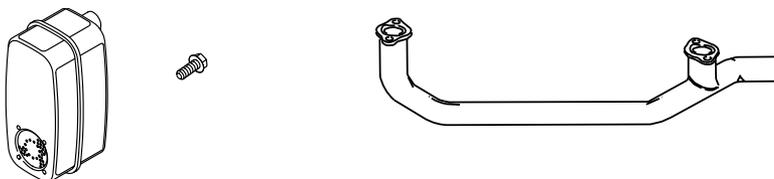
# 8-22 EXHAUST

## Vanguard™ models 380400 & 381400 horizontal crankshaft

Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>808705</b> 806425 (starter motor side exit)</p>	(not available)	(not available)	(not available)	(Integral to muffler)
 <p><b>808896</b> 806425 (oil filter side exit)</p>	(not available)	(not available)	(not available)	(Integral to muffler)
 <p><b>808911</b> 806425 (center outlet exit)</p>	(not available)	(not available)	(not available)	(Integral to muffler)

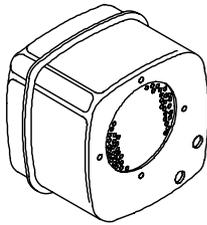
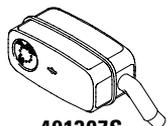
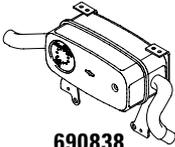
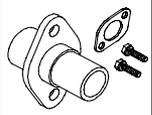
Muffler	Manifold	Deflector	Spark Arrester	Bracket
OEM supplied	 <p><b>808909</b> (starter motor side exit)</p>	(not available)	(not available)	(not available)
OEM supplied	 <p><b>808908</b> (oil filter side exit)</p>	(not available)	(not available)	(not available)

## Vanguard™ models 380700 & 381700 vertical crankshaft

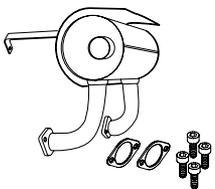


## Models 400000 & 420000 vertical & horizontal crankshaft (3/4" or 19 mm npt)

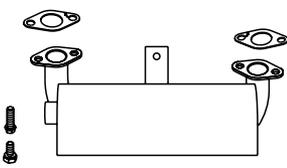
Engine Accessories Exhaust

Muffler	Guard	Deflector	Spark Arrester	Adapter
 <p><b>399635</b> Square Lo-Tone™ (remote)</p>				 <p><b>691975</b> (#1 cyl.)</p> <p><b>691365</b> (#2 cyl.)</p>
 <p><b>491307S</b> (horizontal shaft)</p>  <p><b>491319S</b> (vertical shaft)</p>  <p><b>690838</b> (vertical shaft – ducted) Super Lo-Tone™</p>	(not available)	(see Page 10-4)	 <p><b>794945</b></p>	 <p><b>691970</b> (2 required)</p>

## Intek™ models 405700, 406700 & 407700 vertical crankshaft

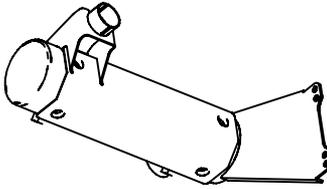
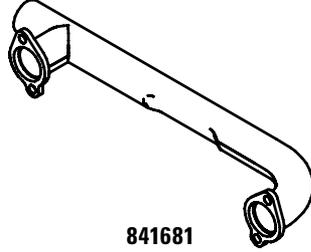
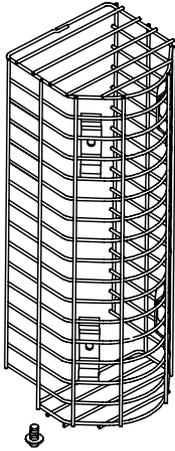
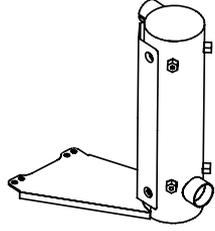
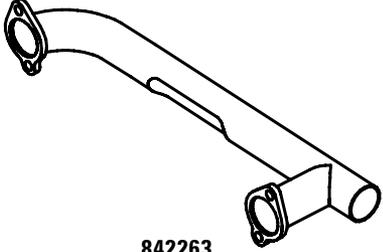
Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>692120</b></p>	(not available)	(not available)	(not available)	(Integral to muffler)

## Intek™ models 445700 & 446700 vertical crankshaft

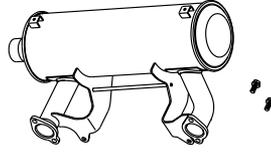
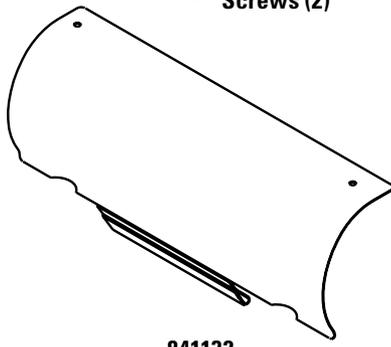
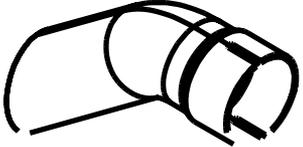
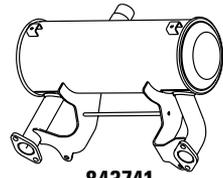
Muffler	Guard	Deflector	Spark Arrester	Bracket
 <p><b>696226</b></p>	(not available)	(not available)	(not available)	(not available)

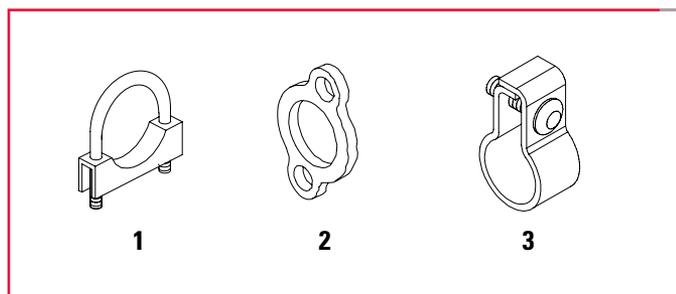
# 8-24 EXHAUST

## Vanguard™ model 540000 low mount muffler

Muffler	Manifold	Guard
 <p><b>841680</b> oil filter side</p>	 <p><b>841681</b></p>	 <p><b>841682</b></p>
 <p><b>842262</b> starter motor side</p>	 <p><b>842263</b></p>	

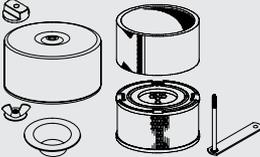
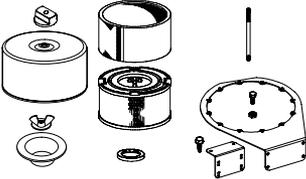
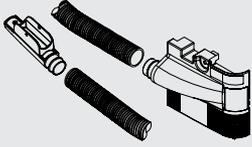
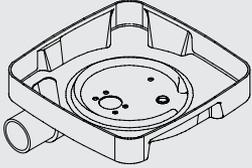
## Vanguard™ model 543400

Muffler	Manifold	Guard
 <p><b>809983</b> High mount muffler, oil filter side outlet</p>	 <p><b>692067</b> Screws (2)</p> <p><b>841132</b></p>	 <p><b>841518</b> 4"</p>
 <p><b>843741</b> High mount muffler, center outlet</p>		



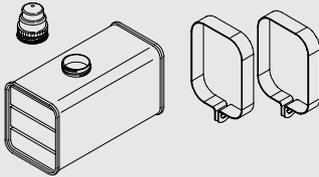
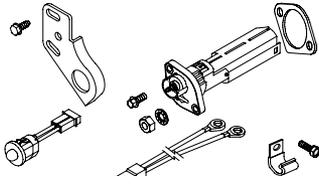
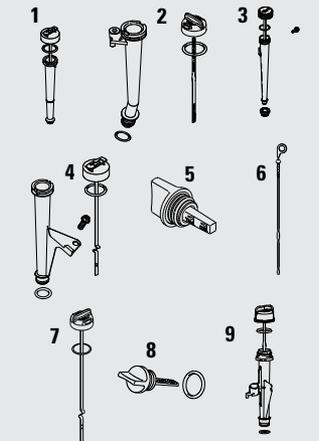
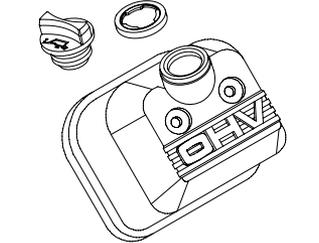
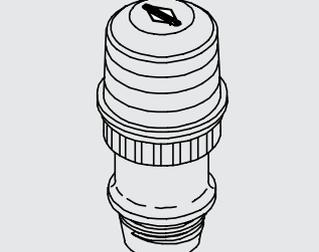
### Muffler Clamps

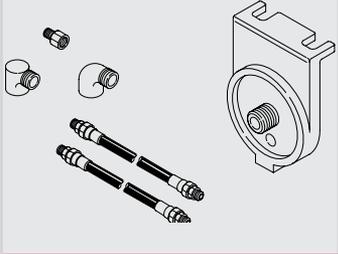
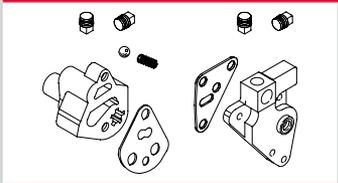
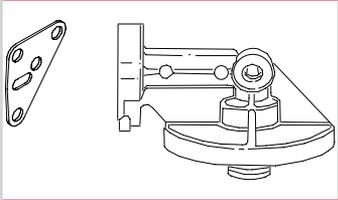
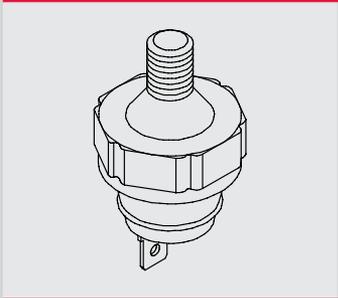
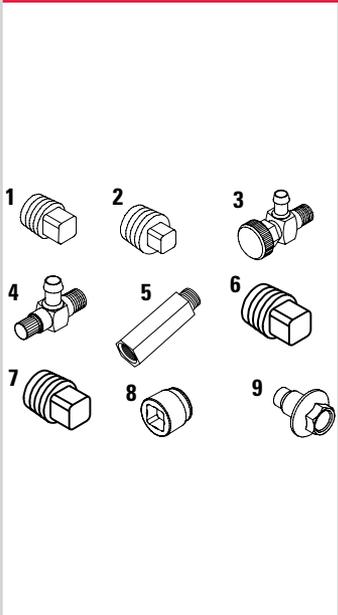
1. Used on Models 540000 & 610000, ID 1.62", Part # **841968**
2. Used on Models 3504, 3507, 3514, 3517, ID 29MM, Part # **690898**
3. Used on Models 19, 25, 35 Horizontal, ID 1.25", Part # **691956**

	<p><b>Dual Element Air Cleaner Kit</b></p>	<p>For 7 and 8 Gross HP<sup>†</sup> horizontal crankshaft engines with 2-piece flo-jet carburetors only,</p>	<p>393459</p>
	<p><b>Dual Element Air Cleaner Kit</b></p>	<p>For 10 and 11 Gross HP<sup>†</sup> vertical crankshaft engines with 1-piece flo-jet carburetors (pre world class carburetors only). Features larger capacity automotive type paper cartridge and oil-foam pre-cleaner for extended life. NOTE: Stud in this kit has a #10-32 UNF-2A thread.</p>	<p>399644</p>
	<p><b>Remote Air Intake Kits</b></p>	<p>For Quantum<sup>®</sup> power engines (including mounting hardware). Mount intake head at a remote location, e.g., handle bar. (Does not include air cleaner element), NOTE: Do not use these remote air intake kits on engines built after code date 95073100.</p>	<p>498204</p>
	<p><b>Remote Air Intake Kit Parts</b></p>	<p>Tubing kit (3 ft/.9m hose and 2 hose clamps, part # 94489).</p>	<p>494345</p>
	<p><b>Air Cleaner Base</b></p>	<p>Models 294400, 303400 and 350400 Vanguard™ V-Twin engine remote air cleaner. (Remote parts not supplied by Briggs &amp; Stratton.) NOTE: Do not use these remote air intake kits on engines built after code date 95073100.</p>	<p>842830</p>
	<p><b>Two Stage Centrifugal Air Cleaners</b></p>	<p>Housing &amp; filter assembly, 90 degree end, for 2 &amp; 3 cylinder L/C engines, Part # <b>825118</b> Housing &amp; filter assembly, straight end, for 2 &amp; 3 cylinder L/C engines, Part # <b>825117</b> Filter only for assemblies 825117 and 825118, Part # <b>820263</b> Housing &amp; filter assembly for 31 Gross HP<sup>†</sup> (540000) air-cooled V-Twin, Part # <b>809670</b> Filter for 809670, Part # <b>841497</b> Safety filter for 809670, Part # <b>821136</b></p>	<p>825118</p>
	<p><b>Air Filter Restriction Indicator</b></p>	<p>For all Vanguard BIG BLOCK™, small block, that use the Donaldson<sup>®</sup> Air Filtration System and 3 cylinder L/C diesel engines.</p>	<p>843024</p>
	<p><b>Rain Cap</b></p>		<p>809907</p>

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 8-26 LUBRICATION

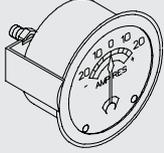
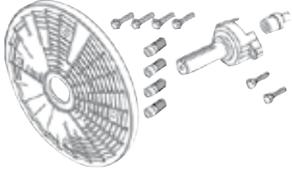
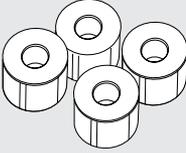
	<p><b>Fuel Tanks for Remote Mounting</b></p>	<p>Fuel Tank Capacity Fuel Tank and Cap Mounting Straps (2 Required)          4 qt. (3.8 L) Part # <b>290816</b> (metal) Part # <b>291367</b> or Part # <b>691993</b> (plastic)          6 qt. (5.7 L) Part # <b>291488</b> (metal) Part # <b>691937</b> (H 6.2", W 5.45", L 10.75")          8 qt. (7.5 L) Part # <b>292415</b> (metal) Part # <b>691937</b> (H 6.2", W 5.45", L 14.37")</p>	
	<p><b>Oil Gard Kits</b></p>	<p>Oil Gard automatically stops the engine if the oil level is too low. It can be added to I/C® and Vanguard™ engines equipped to receive it.  <b>Models (horizontal crankshaft)</b>          For 5 Gross HP† thru 11 Gross HP equipped to receive Oil Gard, Part # <b>398182</b>          For 9 Gross HP† Vanguard™, Part # <b>492697</b>          NOTE: Magnetic oil drain plug recommended with Oil Gard</p>	
	<p><b>Dipsticks</b></p>	<p>Be sure dipsticks fit on your application</p> <ol style="list-style-type: none"> <li>Models 110400, 121400, 123400, Part # <b>693617</b></li> <li>Models 110600, 111600, 120600, 121600, 122600, 126600, Part # <b>692047</b></li> <li>Models 310700, 311700, Part # <b>496415</b></li> <li>Models 405600, 406700, 445700, Part # <b>499602</b></li> <li>Models 120400, 204400, 205400, Part # <b>697689</b></li> <li>Models 303400, 350400, 381400 (after 98053100), Part # <b>693175</b></li> <li>Models 310000, Part # <b>699908</b></li> <li>Models 50032, Part # <b>715588</b></li> <li>Models 121Q00, 121S00, Part # <b>796501</b></li> </ol>	
	<p><b>Valve Cover Oil Fill</b></p>	<p>Valve cover oil fills are available for Vanguard™ V-Twin Models 30, 35, and 38 horizontal crankshaft engines.          Valve cover oil fill, if engine is not equipped with fuel pump, Part # <b>843749</b>          Valve cover oil fill, if engine is equipped with fuel pump, Part # <b>690910</b>          Oil fill cap (before assembly, cut dipstick from cap, if equipped), Part # <b>809500</b></p>	
	<p><b>Oil Minders</b></p>	<p>Gives visual indication of "safe" oil level with a touch of a finger.          Most 3 Gross HP thru 12 Gross HP† vertical crankshaft engines, Part # <b>692939</b>          Most 2 Gross HP thru 8 Gross HP† horizontal crankshaft engines, Part # <b>298858</b>          Most 9 Gross HP thru 16 Gross HP† cast iron cylinder horizontal crankshaft engines. Part # <b>298860</b></p>	<p>592239</p>

	<p><b>Remote Mounting Oil Filter Kits</b></p>	<p>For Vanguard™ V-Twin engines and Opposed Twin II™ engines equipped with full pressure lubrication.          Length of Hoses: 18" (48 cm), Part # <b>492061</b>          30" (76 cm), Filter not included, Part # <b>492062</b>          To order parts separately: (2) 18" hoses, Part # <b>494724</b>          (2) 30" hoses, Part # <b>494725</b>          Oil filter kit without hoses, Part # <b>495244</b>          NOTE: Opposed Twin II™ requires adapter kit <b>492675</b>.          Vanguard™ requires adapter kit <b>492687</b></p>	
	<p><b>Oil Filter Adapter Kits</b></p>	<p>Opposed Twin II™ engines (includes spacer), Part # <b>492675</b>          Vanguard™ V-Twin engines, Part # <b>492687</b>          NOTE: Adapter has provision to receive oil pressure switches.</p>	
	<p><b>Oil Drip Tray</b></p>	<p>Models 540000 and 61000          Bolts for drip tray, Part # 807435</p>	<p>809334</p>
	<p><b>Oil Filter Adapter</b></p>	<p>Oil filter adapter kit re-locates oil filter on Vanguard™ V-Twin horizontal crankshaft engines when muffler is mounted on oil filter side of engine (see page 10-20). Use mounting hardware from original adapter.          NOTE: Adapter has provision to receive oil pressure switches.</p>	<p>808033</p>
	<p><b>Oil Pressure Switch</b></p>	<p>Oil pressure switches activate a warning light if oil pressure drops to an unsafe level. Available for V-Twin engines and Opposed Twin II™ cylinder engines equipped with full pressure lubrication and oil filter. This is a normally closed switch.          2 PSI, Part # <b>690233</b>          3-5 PSI, Part # <b>491657S</b>          9-13 PSI, Part # <b>694115</b>          All Switches are 1/8 x 27 NPTF.</p>	
	<p><b>Oil Drain Plugs &amp; Fittings</b></p>	<p>A magnetic oil drain plug is recommended with Oil Gard. 1/2 turn oil drain fitting makes oil changes easier.          Models (horizontal crankshaft)          1. 5 Gross HP†, 1/4 x 18 NPTF, Part # <b>691663</b>          2. 7 Gross HP† thru 11 Gross HP, 3/8 x 18 NPTF (magnetic), Part # <b>690289</b>          3. 5 Gross HP† and under, 1/4 x 18 NPTF (1/4" I.D. Dia.), Part # <b>492030</b>          4. Above 5 Gross HP†, 3/8 x 18 NPTF (1/2" I.D. Dia.), Part # <b>492031</b>          5. Vanguard™ single cylinder oil drain extension, Part # <b>715715</b>          6. Vanguard™ Twin, 3/8 x 18 NPTF, Part # <b>690946</b>          7. Model 12 horizontal, 1/4 x 18 NPTF, Part # <b>691686</b>          8. Intek™ V-Twin, 1/2" 3/8 x 18 NPTF recessed square, Part # <b>691680</b>          9. 2 cylinder liquid-cooled Vanguard™ 540000 &amp; 610000, M14 x 1.5 thread, Part # <b>807392</b></p>	

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

## 8-28 ELECTRIC STARTERS

	<b>Electric Starter</b>	Single cylinder starter for aluminum ring gear	497595
	<b>Electric Starter</b>	Opposed twin cylinder tractor starter	497596
	<b>Electric Starter</b>	Fits Model 21 & 28 single cylinder starter for steel ring gear	593934
	<b>Electric Starter Kit</b>	Used on Model 15 Snow horizontal engines which are already equipped to receive an electric starter	796238
	<b>Electric Starter Kit</b>	Used on Model 20/21 Snow horizontal engines which are already equipped to receive an electric starter	795909
	<b>Electric Starter Kit</b>	Used on model 12/15 Snow engines.	798884
	<b>Electric Starter Kit</b>	Used on model 12/15 Snow engines.	799038
	<b>Electric Starter Kit</b>	Used on Model 11 (175cc) Vertical 775/Professional Series™ engines, Model 12 (190cc) Vertical 850/875/Professional Series™ engines, Model 14 (223cc) Vertical 950-1000 Series™ engines	799241

	<p><b>Ammeter &amp; Hour Meter</b></p>	<p>Ammeter by Stewart Warner, scale: 20-0-20 amps, Part # <b>295158</b> Hour meter by Hobbs, requires 12V battery, Part # <b>100025</b> NOTE: Both meters include mounting hardware.</p>																									
	<p><b>Stub Shaft Kit</b></p>	<p>For models 290000 and 380000, horizontal shaft Vanguard™ twin cylinder engines Kit includes: (1) Stub shaft (4) Screen Spacers, Part # 691500 (1) Alignment Pin, Part # 841581 (1) Rotating Screen, Part # 841582 (1) Hex Nut, Part # 690887 (1) Rotating Screen, Part # 494439 (2) Hex Head Screw, Part # 691088 (4) Recess Screw, Part # 841441 (4) Pan Head Screw, Part # 691647</p>	<p>841580</p>																								
	<p><b>Stub Shaft Kit</b></p>	<p>For model 540000 and 61000 V-Twin. Rotating screen, Part # 843429 Stub shaft: diameter 1-1/8", length 148 mm.</p>	<p>841304</p>																								
	<p><b>Noram™ Reduction Gearboxes</b></p>	<table border="1"> <thead> <tr> <th>Engine Model #</th> <th>Noram™ Adapter Kit #</th> <th>Noram™ Gearbox #</th> </tr> </thead> <tbody> <tr> <td>196400</td> <td>13500024</td> <td>61100 / 21100+</td> </tr> <tr> <td>235400</td> <td>13500015</td> <td>61100 / 21100+</td> </tr> <tr> <td>245400</td> <td>13500015</td> <td>61100 / 21100+</td> </tr> <tr> <td>138400</td> <td>1" dia. 12800010</td> <td>61100 6-1+</td> </tr> <tr> <td>138400</td> <td>12800010</td> <td>21100 2-1+</td> </tr> <tr> <td>185400</td> <td>N/A</td> <td>61100 6-1+</td> </tr> <tr> <td>185400</td> <td>N/A</td> <td>21100 2-1+</td> </tr> </tbody> </table> <p>NOTE: All engines must have a flange mount side cover. Noram output shaft size: diameter-1", length-3", keyway-1/4". + 1" dia. keyway crankshaft. <b>Contact your Briggs &amp; Stratton Integrated Distributor to order</b> NORAM: 4360 N. Green Bay Road Milwaukee, WI 53209 (414) 267-4000</p>	Engine Model #	Noram™ Adapter Kit #	Noram™ Gearbox #	196400	13500024	61100 / 21100+	235400	13500015	61100 / 21100+	245400	13500015	61100 / 21100+	138400	1" dia. 12800010	61100 6-1+	138400	12800010	21100 2-1+	185400	N/A	61100 6-1+	185400	N/A	21100 2-1+	<p>196400</p>
Engine Model #	Noram™ Adapter Kit #	Noram™ Gearbox #																									
196400	13500024	61100 / 21100+																									
235400	13500015	61100 / 21100+																									
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138400	1" dia. 12800010	61100 6-1+																									
138400	12800010	21100 2-1+																									
185400	N/A	61100 6-1+																									
185400	N/A	21100 2-1+																									
	<p><b>Adapter Spacer Kit</b></p>	<p>For raising all Models 20 and 21 crankshaft height to the level of Model 190000 and 250000, adapters are 1" high and 1-1/8" wide.</p>	<p>695154</p>																								

# 8-30 MISCELLANEOUS

## Stub Shaft And Alignment Pin Combinations\*\*

### Standard Length 4.750 Stub Shaft

#### Standard Vanguard™ V-Twin

Model #	Stub Shaft Kit Service Part #	Alignment-Pin Part #	Comments
<b>Currently (old stub shaft)</b>			
2904, 2944, 3034, 3044(GF)	841580	841581	
3504, 3544(GF), 3804, 3814, 3844(GF)	841580	none	No alignment pin used because it will not allow stub shaft to seat on flywheel properly.
<b>Replacing 262949 &amp; 805613 when available (new stub shaft)</b>			
2904, 2944, 3034, 3044(GF)	841580	841581	This combination must be used together. This set up insures better alignment than the old stub shaft and alignment pin listed above.
3504, 3544(GF), 3804, 3814, 3844(GF)	841580	none	No alignment pin because it will not allow stub shaft to seat on flywheel properly.
<b>Cooler Cleaner Vanguard™ V-Twin</b>			
Currently (old stub shaft)			
2954, 3054, 3094(GF)	841580	841581	
3564, 3594(G), 3854, 3864, 3894(GF)	841580	841581	Cooler cleaner flywheel mounting boss was eliminated therefore alignment pin needed.
<b>Replacing 262949 &amp; 805613 when available (new stub shaft)</b>			
2954, 3054, 3094(GF)	841580	841581	This combination gives better alignment than old set up.
3564, 3594(GF), 3854, 3864, 3894(GF)	841580	841581	This combination gives better alignment than old set up.

### Longer Stub Shaft 5.439" Long - Currently Now Available

(Primarily used on 35/38 cooler cleaner due to deeper blower housing)

#### Cooler Cleaner Vanguard™ V-Twin

Model No.	Stub Shaft Kit Service Part #	Alignment-Pin Part #	Comments
3564, 3594(GF), 3854, 3864, 3894(GF)	842655	841581	Longer stub shaft

\*Available as kit only

\*\*As of 8-9-05

## ORDERING INFORMATION: Please Call 1-888-823-0954



### Batteries

Briggs & Stratton offers a complete line of high performance, maintenance free batteries, for fast reliable year-round starting power for garden tractors, snowmobiles, snow throwers and other small engine powered equipment.

### Briggs & Stratton® battery features:

1. Maintenance free all calcium grid design technology with rolled lead strip, features a finer grain structure for reduced corrosion, longer life and optimized performance.
2. Easy-to-install garden tractor/snowmobile batteries feature fast drop-in replacement and cover a wide range of equipment. "L" type terminals fits most common applications.
3. Innovative through-the-partition welds reduce electrical resistance and increase cold cranking performance for fast dependable starting every time.
4. The ruggedly constructed heat-sealed polypropylene case and cover resist impact and vibration damage for longer life.

### Turnkey Program

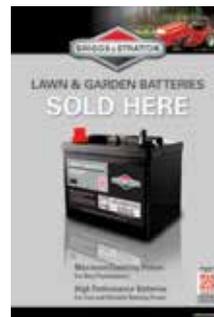
- 6 popular Briggs & Stratton® battery types
- Warranty batteries and cores picked up and credited
- Competitive pricing – Volume and seasonal buying
- Wet batteries delivered direct
- Monthly rotation of batteries
- 6 Months free replacement

BCI Group Size	Battery Type	Cranking AMPS @ 0°F	Reserve Capacity (mins.) @ 80°F	Approx. Wt. (lbs.) Wet	Application
U1	BSGT	165	17	15	up to 10 Gross HP† engines
U1	BSGT-H	235	25	15	up to 17 Gross HP† engines
U1R	BSGT-R*	235	25	15	up to 17 Gross HP† engines
U1	BSGT-X	300	34	16	up to 24 Gross HP† engines
U1R	BSGT-XR*	300	34	16	up to 24 Gross HP† engines
U1	BSGT-XHD	350	38	20	25 Gross HP† engines or above

\*Positive and negative terminals are reversed

Retail Parts  
& Accessories

Batteries



Battery Poster



Battery Countermat

### 9-Rack Battery Display

Utilizes 3 sq. feet of floor space, black, powder-coated, gloss finish, durable, tubular steel construction, E-Z Snap Design allows for quick assembly and requires no tools or hardware.

**Exide Part No. Rack 59781**

### 9-Rack Battery Display Header

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 9-2 DISPLAY PACKS



Retail Parts & Accessories  
Display Packs

		<b>Air Filter Cartridge w/Pre-Cleaner</b>	Use on 12.5-20 Gross HP† Horizontal L-Head Twin & most Vanguard™ OHV V-Twin Air Filter Cartridge 394018S & Pre-Cleaner 272490S		5050	Case Pack Qty - 5
		<b>Air Filter Cartridge w/Pre-cleaner</b>	Use on 12.5-17 Gross HP† Single Cylinder Engines Air Filter Cartridge 496894S & Pre-Cleaner 272403S		5053	Case Pack Qty - 5
		<b>Air Filter Cartridge w/Pre-Cleaner</b>	Use on 825-875 Series™, Intek™ Model 121600 OHV, Intek™ 5.5-6.75 Gross HP† engines Air Filter Cartridge 697029 & Pre-Cleaner 273356S		5059	Case Pack Qty - 4
		<b>Air Filter Cartridge w/Pre-Cleaner</b>	Use on Extended Life Series™ Version use 5069; 18-26 Gross HP† Intek™ V-Twin engines Air Filter Cartridge 499486S & Pre-Cleaner 273638		5063	Case Pack Qty - 5
		<b>Extended Life Series™ Air Filter Cartridge w/Pre-Cleaner</b>	Use on Extended Life Series™ Version of 5063; 18-26 Gross HP† Intek™ V-Twin engines Air Filter Cartridge 689754 & Pre-Cleaner 273638		5069	Case Pack Qty - 5
		<b>Air Filter- Foam Element</b>	Use on 3.5-3.75 Gross HP† Classic Sprint Engines after 1992; 4.0 Gross HP† Quattro Engines Air Filter Foam Element 272235S		5047	Case Pack Qty - 8
		<b>Air Filter Cartridge</b>	Use on 625e, 675ex, 725ex Series™, 625-675 Series™, 3.5-6.75 Gross HP† Quantum® engines Air Filter Cartridge 491588S		5043	Case Pack Qty - 14
		<b>Air Filter Cartridge w/Pre Cleaner</b>	Use on 10-12 Gross HP† Vertical engines Air Filter Cartridge 399806S & Pre-Cleaner 271962S		5048	Case Pack Qty - 5
		<b>Air Filter Cartridge w/Pre Cleaner</b>	Use on 12.5-20 Gross HP† L-Head Twin Vertical engines Air Filter Cartridge 394019S & Pre-Cleaner 272490S		5052	Case Pack Qty - 5
		<b>Air Filter Cartridge w/Pre Cleaner</b>	Use on Europa™ (9 CID) OHV Vertical engines Air Filter Cartridge 497725S & Pre-Cleaner 273185S		5055	Case Pack Qty - 4
		<b>Pre-Cleaner</b>	Use on 825-1575 Series™, 3.5-6.5 Gross HP† Quantum®, 5.5-7.0 Gross HP† Intek™, 5.5-11.0 Gross HP Horizontal engines Pre-Cleaner 493537S		5064	Case Pack Qty - 9

# DISPLAY PACKS 9-3



		<b>AVS® Air Filter Cartridge</b>	Filter 698083 w/697015 Pre-cleaner. Use on 14-18 Gross HP† I/C®, Intek™, OHV & AVS® engines.	5077	Case Pack Qty - 5
		<b>AVS® Air Filter Cartridge w/Pre-Cleaner</b>	Use on 8-15 Gross HP† Power Built™, OHV, I/C® & AVS® engines Air Filter Cartridge 797007 & Pre-Cleaner 697292	5079	Case Pack Qty - 8
		<b>Air Filter Upgrade Kit</b>	Use on 300-550 Series™, Classic™, Sprint™, Quattro™, and Q™45 3-5 Gross HP† engines Replaces all Briggs & Stratton® foam filters Oil packet included while supplies last	5099	Case Pack Qty - 5
		<b>Extended Life Series™ Air Filter Cartridge</b>	Use on V-Twin 16.0-27.0 Gross HP† engines Air Filter Cartridge 792105 Uses pre-cleaner 276890	5405	Case Pack Qty - 3
		<b>Air Filter/Pre-Cleaner</b>	Use on Single Cylinder Engines 20-21 Gross HP† Air Filter Cartridge 793569 & Pre-Cleaner 793685	5415	Case Pack Qty - 5
		<b>Air Filter/Pre-Cleaner</b>	Use on 13.5-19.5 Gross HP† and Intek™ V-Twin 18.0-27.0 Gross HP† engines. Model 31 Air Filter Cartridge 796031 & Pre-Cleaner 797704	5428	Case Pack Qty - 5
		<b>Air Filter Cartridge w/Pre-Cleaner</b>	Use on 8-12 Gross HP† single cylinder Power Built™ engines Air Filter Cartridge 691667 & Pre-Cleaner 272477	5075	Case Pack Qty - 5
		<b>Extended Life Series™ Air Filter Cartridge</b>	Use on Extended Life Series™ Version of 5077, 14-18 Gross HP† I/C®, Intek™, OHV, Extended Life Series™ & AVS® engines 795115 ELS AIR FILTER	5078	Case Pack Qty - 6
		<b>Air Filter- Foam Element</b>	Use on 450-600 Series™, 3.5-4.5 Gross HP† Q™45, Classic™, Sprint™, & Quattro™ engines with plastic air cleaner housings Air Filter Foam Element 698369	5088	Case Pack Qty - 5
		<b>Air Filter Cartridge</b>	Use on 3.5-4 Gross HP† engines, 475- 525 Series™ Air Filter Cartridge 790166	5404	Case Pack Qty - 5
		<b>Air Filter Cartridge w/Pre-Cleaner</b>	Use on Intek™ V-Twin 18.0-27.0 Gross HP† engines Air Filter Cartridge 792101 and Pre-Cleaner 273638S	5408	Case Pack Qty - 5

Retail Parts  
& Accessories

Display Packs

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 9-4 DISPLAY PACKS



Retail Parts & Accessories  
Display Packs

		<b>Air Filter Cartridge w/Pre-Cleaner</b>	Use on Professional Series™ 7.75, 8.50, 8.75 engines Air Filter Cartridge 796254 & Pre-Cleaner 795066		5419	Case Pack Qty - 5
		<b>Air Filter Cartridge</b>	Use on 500e,550ex,6.25ex, 6.75exi, and 7.25exi Series™ Air Filter Cartridge 593260		5432	Case Pack Qty - 5
		<b>Air Filter- Foam Element</b>	Use on 450e -500e Series™ Air Filter Cartridge 799579		5434	Case Pack Qty - 5
		<b>Air Filter Cartridge w/Pre-Cleaner</b>	Use on 9.0-12.5 Gross HP† engines Air Filter Cartridge 796032 & Pre-Cleaner 798911		5429	Case Pack Qty - 5
		<b>Air Filter Foam Element</b>	Use on 675-875 Series™ (Pressure Washer Applications Only). Air filter foam element 797301		5433	Case Pack Qty - 5
		<b>Diaphragm Kit</b>	Use on 450-600 Series™, 2-5 Gross HP† Horizontal engines DIAPHRAGM/CARB KIT-272538S Spring 692206 & Spring Cap 690766		5021	Case Pack Qty - 9
		<b>Fuel Hose w/ Clamps</b>	Fits most engines 25" Fuel Line (w/4 95162S Clamps) Fuel Hose 283207, Clamps 791850		5414	Case Pack Qty - 5
		<b>Fuel Filter</b>	Use on rider/tractor engines with fuel pumps Fuel Filter 691035 (40 Micron)		5065	Case Pack Qty - 9
		<b>Carburetor Gasket w/Diaphragm</b>	Use on Sprint™ and Quattro™ engines Carburetor Gasket with 795083/495770 Diaphragm		5083	Case Pack Qty - 6
		<b>Fuel Filter Assembly</b>	Use on 7-15 Gross HP† rider/tractor engines without fuel pump) Fuel Filter 298090S (150 Micron)		5018	Case Pack Qty - 9
		<b>Fuel Filter Assembly</b>	Fuel Filter 394358S (75 Micron)		5098	Case Pack Qty - 5

# DISPLAY PACKS 9-5



		<b>Fuel Shut-off Valve</b>	Use on Quantum® & Selected Models 698183 In-line Valve		5091	Case Pack Qty - 5
		<b>Ignition Switch - 6 Terminal</b>	Fits most electric starter engines with 6 terminal ignition switch 092377MA		5411	Case Pack Qty - 5
		<b>Ignition Switch - 7 Terminal</b>	Fits most electric starter engines with 7 terminal ignition switch 092556MA		5412	Case Pack Qty - 5
		<b>Oil Drain Valve</b>	Use on V-Twin Vanguard™ except M61 or M54 Cap & hose, for easy oil draining without tools, 1/4 turn oil drain & hose, thread pitch - 3/8 x 18 NPTF		5401	Case Pack Qty - 5
		<b>Primer Bulb</b>	Use on 625-875 Series™, 3.5-6.75 Gross HP† Quantum®, Intek™ 6.5-7.0 Gross HP engines Primer Bulb 694395		5085	Case Pack Qty - 9
		<b>Solenoid - 3 Terminal</b>	Fits most 12-volt starters 3 terminal solenoid 745000MA		5409	Case Pack Qty - 5
		<b>Solenoid - 4 Terminal</b>	Fits most 12-volt starters 4 terminal solenoid 745001MA		5410	Case Pack Qty - 5
		<b>Pinion Gear</b>	Starter Pinion Gear 695708 Aluminum & plastic ring gears only		5086	Case Pack Qty - 6
		<b>Fuel Tank Cap</b>	Use on 625-675 Series™, 3.5-6.75 Gross HP Vertical Max, Quantum® & Europa™ engines Fuel Tank Cap 692046		5044	Case Pack Qty - 8
		<b>Fuel Tank Cap</b>	Use on 450-600 Series™, 3-4 Gross HP† engines Fuel Tank Cap 497929S		5057	Case Pack Qty - 9
		<b>Fuel Cap</b>	450e, 500e, 550e & 550ex, 625ex, 675ex & 725ex Series™, 950-1000 Series™, Professional Series™ 7.75-8.75	799585	5436	Case Pack Qty - 5

Retail Parts  
& Accessories

Display Packs

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 9-6 DISPLAY PACKS



Retail Parts & Accessories  
Display Packs

		<b>Fuel Cap</b>	675exi & 725exi Series™		5445	Case Pack Qty - 5
		<b>Extended Life Series™ Oil Filter</b>	Oil Filter 696854. Use on Extended Life Series™ Version of 5049		5076	Case Pack Qty - 5
		<b>Oil Filter</b>	Oil Filter 492932S For Extended Life Series™ Version use 5076		5049	Case Pack Qty - 5
		<b>Extended Life Series™ Spark Plug (Platinum)</b>	Use on Selected OHV engines; Extended Life Series™ Version of 496018S/5092 Platinum Spark Plug 696202		5066	Case Pack Qty - 8
		<b>Spark Plug RJ19LM</b>	Fits most Briggs & Stratton® engines, except OHV Spark Plug RJ19LM (802592S)		5095	Case Pack Qty - 8
		<b>Extended Life Series™ Spark Plug (Platinum)</b>	Fits selected Briggs & Stratton® OHV engines; Extended Life Series™ Version of 496018S/5092 Two Spark Plugs 696202		5420	Case Pack Qty - 8
		<b>Extended Life Series™ Spark Plug (Platinum)</b>	Used on Selected L-Head engines; Extended Life Series™ Version of 802592S/5095 Platinum Spark Plug 796560		5062	Case Pack Qty - 8
		<b>Spark Plug RC14YC/RC12YC</b>	Fits most Briggs & Stratton OHV engines Spark Plug RC14YC/RC12YC (496018S)		5092	Case Pack Qty - 8
		<b>Spark Plug</b>	Spark Plug 591868. Used on 625e, 675ex, 725ex Series™, 625-675 Series™, and Quantum™ 3.5-6.75 Gross HP† engines.		5435	Case Pack Qty - 8
		<b>Flywheel Key</b>	Used on most engines (3) OF 222698S FLYWHEEL KEY Flywheel Keys (3 of 222698S)		5002	Case Pack Qty - 9
		<b>Muffler</b>	Used on 450-550 Series™, 3-5 Gross HP† Vertical engines Muffler 394569S Life Warranty Information supplied with each package		5019	Case Pack Qty - 5
		<b>Starter Rope w/ Handle</b>	Handle Grip 691915 & Rope 280399S		5042	Case Pack Qty - 8



† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# DISPLAY PACKS 9-7



		<b>Starter Repair Kit</b>	Rope- 280399S Handle- 691915 Rewind Tool- 19409		5054	Case Pack Qty - 7
		<b>Starter Kit, Single Cylinder</b>	Used on most Single Cylinder & V-Twin engines; 8-26 Gross HP† Original replacement starter Kit includes second pinion gear		5406	Case Pack Qty - 10
		<b>Starter Kit, Opposed Twin</b>	Used on Opposed Twin Engines, 14-24 Gross HP† Original replacement starter for Kit includes second pinion gear		5407	Case Pack Qty - 10
		<b>Maintenance Minder™ (Hour Meter)</b>	Use on 2 and 4-cycle engines Display flashes every 25 hours run time		5081	Case Pack Qty - 8
		<b>Battery Cable - Positive</b>	Poly-Vinyl Insulated; 3/8" lug - 18" Length		5416	Case Pack Qty - 5
		<b>Spark Plug Wrench</b>	195765 fits 5/8" and 13/16" Hex Spark Plugs		5402	Case Pack Qty - 5
		<b>Starter Spring</b>	Starter Spring 490179		5010	Case Pack Qty - 10
		<b>Battery Cable - Negative</b>	Poly-Vinyl Insulated 3/8" lug - 18" Length		5417	Case Pack Qty - 5
		<b>Key for Snow Engine</b>	Fits most engines		5423	Case Pack Qty - 5
		<b>Snowthrower Shear Pins</b>	Fits snowthrower models 928E, 1130SE, 1332PE		1687404K	Case Pack Qty - 5
		<b>Shear Pin Kit</b>	Fits most snowthrowers Dual stage models from 2009 and prior		742551MA 742551KMA	Case Pack Qty - 5

Retail Parts & Accessories  
Display Packs

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

# 9-8 TUNE-UP KITS



Retail Parts & Accessories  
Display Packs

	<b>450-600 Series™, Classic™, Spring™, Quattro™ 3.5-4 Gross HP†, Tune-Up Kit</b>	4-cycle 30W oil 18oz 100005; foam air filter 272235S; spark plug 802592S; fuel treatment & stabilizer 100120	5107		Case Pack Qty - 12
	<b>Intek™ Extended Life Series™ V-Twin 18-26 HP† Tune-Up Kit</b>	4-cycle 30W oil 18oz 100005; 4-cycle 30W oil 48oz 100028; oil filter 696854; air filter 698754; pre-cleaner 273638; (2) spark plugs 496018S; fuel treatment & stabilizer 100120; fuel filter 691035; (2) clamps 691038	5111		Case Pack Qty - 4
	<b>Vanguard™ V-Twin 12.5-18 Gross HP† Tune-Up Kit</b>	4-cycle 30W oil 18oz 100005; 4-cycle 30W oil 48oz 100028; oil filter 492932S; air filter cartridge 394018S; pre-cleaner 272490S; (2) spark plugs 491055S; fuel treatment & stabilizer 100120; fuel filter 691035; (2) hose clamps 95162S;	5119		Case Pack Qty - 4
	<b>Intek™ 15.5, 17-17.5 Gross HP† Tune-Up Kit</b>	4-cycle 30W oil 18oz 100005; 4-cycle 30W oil 48oz 100028; fuel stabilizer 5041; spark plug 499950; pre-filter 697015; air filter cartridge 698083; oil filter 492932S; fuel filter 394358S; (2) hose clamps 95162S;	5127		Case Pack Qty - 4
	<b>Q™ 45, Classic™, Sprint, Quattro™ 3.5-4.75 Gross HP† Tune-Up Kit (for engines with plastic air cleaner housings)</b>	4-cycle 30W oil 18oz 100005; fuel treatment & stabilizer 100120; foam air filter 799579 and standard air filter 798452; spark plug 802592S	5129		Case Pack Qty - 12
	<b>Professional Series™, 775-1000 Series™ engines, Tune-Up Kit</b>	4-cycle 30W oil 18oz 100005; air filter 796254; pre-cleaner 795006; spark plug 496018S; fuel treatment & stabilizer 100120	5131		Case Pack Qty - 12
	<b>Professional Series™ V-Twin, Extended Life Series™ V-Twin engines 23-30 gross HP†</b>	4-cycle 30W oil 18oz 100005 & 48oz 100028; fuel treatment and stabilizer 100120; air filter 792105; spark plug 496018S; oil filter 696854	5134		Case Pack Qty - 4
	<b>Intek™ Series engines 20-21 gross HP†</b>	4-cycle 30W oil 18oz 100005 & 48oz 100028; fuel treatment and stabilizer 100120; air filter/pre-cleaner 793569/793685; spark plug 496018S; oil filter 696854	5135		Case Pack Qty - 4
	<b>550e-550ex Series™ engines</b>	4-cycle 30W oil 18oz 100005; fuel treatment and stabilizer 100120; foam air filter 698369 or high capacity air filter 798452; spark plug 496018S	5138		Case Pack Qty - 12

# TUNE-UP KITS 9-9



	<b>625e, 675ex, 725ex Series™, 625-675 Series™, and Quantum™ 3.5-6.75 Gross HP† engines</b>	4-cycle 30W oil 18oz 100005; fuel treatment and stabilizer 100120; foam air filter 797301 or high capacity air filter 491588S; spark plug 591868	5139		Case Pack Qty - 12
	<b>625e, 675ex, 725ex Series™, 625-675 Series™, and Quantum™ 3.5-6.75 Gross HP† engines</b>	4-cycle 30W oil 18oz 100005; fuel treatment and stabilizer 100120; air filter 491588S; spark plug 591868	5140		Case Pack Qty - 12
	<b>Oil Removal Kit</b>	1.6 liter oil removal pump. Suitable for the extraction of oil and water from cars, motorcycles, commercial vehicles, marine engines, stationary engines and other machinery. Hose allows fluid to be extracted through filler or dipstick holes. Up to 1.6L of fluid can be collected without mess or spillage. Contents: Collection Tank - 1.6L, Siphon Pump, Universal Adaptor, Suction Hose, Cap (large) - tank	5430		Case Pack Qty - 6
	<b>4L Oil &amp; Fluid Extractor Pump</b>	4 liter manual oil and fluid removal pump. Suitable for the extraction of oil, water and fuel from cars, motorcycles, commercial vehicles, marine engines, stationary engines and other machinery. Long reach hose allows fluid to be extracted through filler or dipstick holes. Up to 4L of fluid can be collected without mess or spillage. Contents: Collection Tank - 4.0L, Siphon Pump, Suction Hose, Cap (small) - Suction Hose, Cap (large) - tank, Funnel, Shut-Off clip	5431		Case Pack Qty - 6

Retail Parts  
& Accessories

Display Packs

# 9-10 PARTS CROSS REFERENCE

Retail Parts & Accessories  
Parts Cross Reference

Red Box Part #	Display Part #	Shop Pack Part #	Shop Pack Qty.	Description
222698S	5002	4181, 4144	10, 50	Flywheel Key
490179	5010	N/A	N/A	Recoil Spring
298090S	5018	4105	5	Fuel Filter
394569S	5019	N/A	N/A	Muffler
272538	5021	4168	5	Diaphragm
691915	5042	N/A	N/A	Starter Grip
491588S	5043	4101	5	Air Filter Cartridge
692046	5044	4227, 4149	5, 20	Fuel Tank Cap
272235S	5047	4107	6	Air Filter Element
399806S	5048	4138	4	Air Filter Cartridge
492932S	5049	4154	12	Oil Filter
394018S	5050	4135	4	Air Filter Cartridge
394019S	5052	4136	4	Air Filter Cartridge
496894S	5053	4139	4	Air Filter Cartridge
691915	5054	N/A	N/A	Starter Grip
497725S	5055	4197	4	Air Filter Cartridge
497929S	5057	4132, 4150	5, 20	Fuel Tank Cap
697029	5059	4207	4	Air Filter Cartridge
796560	5062	4175	24	Spark Plug
499486S	5063	N/A	N/A	Air Filter Cartridge
493537S	5064	4147	5	Pre-cleaner
691035	5065	4129	5	Fuel Filter
696202	5066	4173	24	Spark Plug
698754	5069	4209	6	Air Filter Cartridge
691667	5075	4166	5	Air Filter Cartridge
797008	5076	4206	12	Oil Filter
797008	5077	4214	6	Air Filter Cartridge
795115	5078	4211	6	Air Filter Cartridge
797007	5079	4213	6	Air Filter Cartridge
N/A	5081	4210	10	Maintenance Minder®
795083	5083	N/A	N/A	Diaphragm
694395	5085	4180	5	Primer Bulb
695708	5086	4194	5	Pinion Gear
698369	5088	4216	6	Air Filter Element
698183	5091	N/A	N/A	Fuel Shut-off Valve
496018S	5092	496018T	500	Spark Plug
802592S	5095	802592T	300	Spark Plug

Red Box Part #	Display Part #	Shop Pack Part #	Shop Pack Qty.	Description
699798B	5096	N/A	5	Fresh Start® Cap
394358S	5098	4112	5	Fuel Filter
	5099			Air Filter Upgrade Kit
	5401			Oil Drain Valve
195765	5402			Spark Plug Wrench
790166	5404	N/A	N/A	Air Filter Cartridge
792105	5405	4233	4	Air Filter Cartridge
	5406			Starter Kit, Single Cylinder
	5407			Starter Kit, Opposed Twin
792101	5408	N/A	N/A	Air Filter Cartridge
745000MA	5409			Solenoid - 3 Terminal
745001MA	5410			Solenoid - 4 Terminal
092377MA	5411			Ignition Switch - 6 Terminal
092556MA	5412			Ignition Switch - 7 Terminal
	5414			Fuel Hose w/Clamps
793569	5415	N/A	N/A	Air Filter Cartridge
	5416			Battery Cable - Positive
	5417			Battery Cable - Negative
795066	5419	NA	NA	Air Filter Cartridge
696202	5420			Spark Plug, Extended Life Series
796031	5421			Air Filter Cartridge
794696	5423			Key for Snow Engine
N/A	5425			Air Filter Upgrade Kit
796031	5428		5	Air Filter Cartridge
796032	5429		5	Air Filter Cartridge
798452	5432	4247	5	Air Filter Cartridge
797301	5433	4249	5	Air Filter - Foam Element
799579	5434	4248	5	Air Filter - Foam Element
591868	5435		8	Spark Plug
799585	5436			Fuel Cap
	1687404		5	Snow Thrower Shear Pins
	742251MA		5	Shear Pin Kit



# FUEL CONTAINERS & SPOUT 9-11



	<b>1+ Gallon Smart-Fill® Gas Can</b>	Made of durable plastic and equipped with a self-venting, child-resistant spout with angled tip for safer and easier pouring. Container is EPA compliant*	85013		Case Pack Qty - 8
	<b>2+ Gallon Smart-Fill® Gas Can</b>	Made of durable plastic and equipped with a self-venting, child-resistant spout with angled tip for safer and easier pouring. Container is EPA compliant*	85023		Case Pack Qty - 6
	<b>5 Gallon Smart-Fill® Gas Can</b>	Made of durable plastic and equipped with a self-venting, child-resistant spout with angled tip for safer and easier pouring. Container is EPA compliant*	85053		Case Pack Qty - 3
	<b>5 Gallon Smart-Fill® Diesel Can</b>	Made of durable plastic and equipped with a self-venting, child-resistant spout with angled tip for safer and easier pouring. Container is EPA compliant*	85056		Case Pack Qty - 3
	<b>5 Gallon Smart-Fill® Metal Gas Can</b>	Metal gas can is equipped with self-venting, child-resistant spout with angled tip for safer and easier pouring. Container is EPA compliant*	85043		Case Pack Qty - 4
	<b>5 Gallon Smart-Fill® Kerosene Can</b>	Made of durable plastic and equipped with self-venting, child-resistant spout with angled tip for safer and easier pouring. Container is EPA compliant*	85059		Case Pack Qty - 3
	<b>1.5 Gallon Gas/2.5 Quart Oil Smart-Fill® Fuel Can</b>	Made of durable plastic and equipped with self-venting, child-resistant spout with angled tip for safer and easier pouring. Container is EPA compliant*	85310		Case Pack Qty - 3
	<b>6 Gallon Smart-Fill® Gas Can</b>	Made of durable plastic and equipped with self-venting, child-resistant spout with angled tip for safer and easier pouring. Container is EPA compliant*	85060		Case Pack Qty - 3
	<b>Replacement Smart-Fill® Spout</b>	Smart Fill® spout: Self-venting, child-resistant spout. Angled tip allows you to see inside container while pouring	85040		Case Pack Qty - 6

Retail Parts & Accessories

Fuel Containers & Spout

# 10-1 MAINTENANCE CARE

## HEALTHY ENGINES START HERE

### BRIGGS & STRATTON® ETHANOL-FREE FUEL

4-CYCLE & 2-CYCLE MIX (40:1 AND 50:1)

P/N Description

#### ETHANOL FREE FUEL

##### Quart Case (pack of 8)

6908	4 Cycle
6938	50:1 Premixed
6998	40:1 Premixed

##### Gallon Case (pack of 6)

69011	4 Cycle
69311	50:1 Premixed
69911	40:1 Premixed

##### 5 gallon Pail

6902	4 Cycle
6932	50:1 Premixed
6992	40:1 Premixed

##### 54 gallon Drum

6904	4 Cycle
6934	50:1 Premixed
6994	40:1 Premixed

#### FUEL ACCESSORIES

##### Pump

3054	Drum Pump
------	-----------

- Protects your engine from the damage of Ethanol blended gas
- Helps engines run smoother and perform better
- Reduces carburetor corrosion, gum and varnish build-up reducing costly repairs
- Stays fresh for up to 2 years
- No mixing, no mess



100127

100137

100134

25FT, 50FT, 75FT, 100FT

## Briggs & Stratton® Hoses

Briggs & Stratton Premium Rubber Water Hoses are heavy-duty, resist kinking, stay flexible in EXTREME cold and can be used with hot water! Ideal for use with pressure washers.

### Hose Features

1. Withstands hot water up to 200°F, ideal for all climates
2. Nickel plated, crush-proof couplings - resists wear and corrosion
3. Durable 100T rubber, cover is eight-sided to resist kinking and aid in coiling
4. Industrial-style reinforcing for high burst strength
5. Limited Lifetime Warranties

### Turnkey Program

1. 4 sizes to fit all needs, large lots, etc.
2. Competitive pricing- Volume and seasonal buying
3. Promotional point-of-sale display



**Engineered for Commercial, Residential and Recreational Use**

### Ordering Info:

Email: [IHPOrders@parker.com](mailto:IHPOrders@parker.com)  
Phone: 440 833-2120

Stock Number	Description
8 BS 25	5/8"x 25'
8 BS 50	5/8"x 50'
8 BS 75	5/8"x 75'
8 BS 100	5/8"x 100'



# MAINTENANCE CARE 10-2



	<b>Fresh Start® Cap</b>	For Quantum® engines Contains 1 cap 796654 & 1 cartridge 699998		5096	Case Pack Qty - 5
	<b>Fresh Start® Replacement Cartridges</b>	2 replacement cartridges 699998 Use with 5096 and 5413 Fresh Start® Caps		5097	Case Pack Qty - 5
	<b>Carburetor/Choke Cleaner</b>	Quickly dissolves carburetor deposits Reduces downtime, Improves starting 100041 8 oz. (227g) 100042 16 oz. (454g)	100041 100042		Case Pack Qty - 12
	<b>Heavy-Duty Degreaser</b>	15 oz. can Powerful, industrially formulated cleaner For quick removal of oil, hydraulic fluids & related contaminants	100044		Case Pack Qty - 12
	<b>High-Performance Grease</b>	14 oz. (397g) Moly/graphite provides maximum anti-wear protection Ideal for industrial, automotive, & outdoor power equipment	100059		Case Pack Qty - 10 Cartridges
	<b>Penetrating Oil</b>	11 oz. (312g) can Superfast, powerful, concentrated penetrating solvent Frees rusted nuts & bolts faster; Displaces moisture & lubricants.	100070		Case Pack Qty - 12
	<b>Briggs &amp; Stratton® Advanced Formula Fuel Treatment &amp; Stabilizer</b>	4 fl. oz. Treats 20 gallons of gasoline Maintains fuel stability for up to 3 years with triple antioxidant protection	100117		Case Pack Qty - 12
	<b>Briggs &amp; Stratton® Advanced Formula Fuel Treatment &amp; Stabilizer</b>	8 fl. oz. Treats 40 gallons of gasoline Maintains fuel stability for up to 3 years with triple antioxidant protection	100118		Case Pack Qty - 12
	<b>Briggs &amp; Stratton® Advanced Formula Fuel Treatment &amp; Stabilizer</b>	16 fl. oz. Treats 80 gallons of gasoline Maintains fuel stability for up to 3 years with triple antioxidant protection	100119		Case Pack Qty - 12
	<b>Briggs &amp; Stratton® Advanced Formula Fuel Treatment &amp; Stabilizer</b>	0.5 fl. oz. pouch Treats 2.5 gallons of gasoline Maintains fuel stability for up to 3 years with triple antioxidant protection	100120		Case Pack Qty - 500
	<b>Briggs &amp; Stratton® Advanced Formula Fuel Treatment &amp; Stabilizer Display Box</b>	0.5 fl. oz. pouch Treats 2.5 gallons of gasoline Maintains fuel stability for up to 3 years with triple antioxidant protection	100126		Case Pack Qty - 50

Retail Parts & Accessories  
Maintenance Care



# 10-3 GREASE & ENGINE OILS



Retail Parts  
& Accessories

Grease & Engine Oil

		<b>Tire Sealant</b>	Tire Protection System, Guaranteed for the life of your tire. For use on tractors, wheel barrows, cement mixers & log splitters. Includes tire gauge. 100032R 16 oz. Case Pack Qty - 10 100033R 32 oz. Case Pack Qty - 8 AM - 3023 Floor Display 100034R 5 gallon tub	100032R 100033R 100034R		
		<b>Grease Gun Refill Kit</b>	Grease refill cartridges for Grease Gun Kit 100057	100058		Case Pack Qty - 6
		<b>Small Engine Oil 4-Cycle</b>	18 oz. High quality SAE 30W detergent oil. Specially formulated for higher operating temperatures of air-cooled engines	100005		Case Pack Qty - 12
		<b>Small Engine Oil 4-Cycle</b>	48 oz. High quality SAE 30W detergent oil. Specially formulated for higher operating temperatures of air-cooled engines	100028		Case Pack Qty - 8
		<b>Small Engine Oil 4-Cycle</b>	2.5 Gallon (9.46 L) High quality SAE 30W detergent oil. Specially formulated for higher operating temperatures of air-cooled engines	100124		
		<b>Small Engine Oil 4-Cycle</b>	5 Gallon (18.9 L) High quality SAE 30W detergent oil. Specially formulated for higher operating temperatures of air-cooled engines 5 Gallon (18.9 L) High quality SAE 30W detergent oil. Specially formulated for higher operating temperatures of air-cooled engines	100125		
		<b>Small Engine Oil 2-Cycle</b>	16 oz. Ashless oil formulation with fuel stabilizer. Leaves no residue, Prevents plug fouling, Prevents engine deposits	100036		
		<b>100% Synthetic Oil - SAE 5W-30</b>	32 oz. Recommended for use in all air-cooled small engines. Excellent performance in severe use conditions of heat and cold.	100074		Case Pack Qty - 12
		<b>Small Engine Oil 2-Cycle</b>	3.2 oz. Ashless oil formulation with fuel stabilizer. Leaves no residue, Prevents plug fouling, Prevents engine deposits	100107		Case Pack Qty - 48
		<b>Small Engine Oil 2-Cycle</b>	8 oz. Ashless oil formulation with fuel stabilizer. Leaves no residue, Prevents plug fouling, Prevents engine deposits	272075		Case Pack Qty - 48
		<b>Bar &amp; Chain Oil</b>	1 Quart (.94 L) Premium product designed for all types of chain saw mechanical parts, automated oiler systems, and sprockets	100122		Case Pack Qty - 6
		<b>Bar &amp; Chain Oil</b>	1 Gallon (3.78 L) Premium product designed for all types of chain saw mechanical parts, automated oiler systems, and sprockets	100123		Case Pack Qty - 6

## 675 SERIES™ 126M02-1015-F1

### FEATURES

**Crankshaft:** 3-5/32" CS, Tapped 3/8-24,  
2 #505 WK & 3/16" Keyway, 7/8" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 90 day limited\*

- Lo-Tone™ muffler provides a quieter and better sounding engine
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Float feed carburetor delivers consistent one pull start
- Large rewind starter reduces pulling effort for easy starting



## 675 SERIES™ 126M02-1625-F1/1031-F1

### FEATURES

**Crankshaft: Model 126M02-1625-F1**  
3-5/32" CS, Tapped 3/8-24,  
2 #605 WK & 1/4" Keyway, 25mm Dia.

**Model 126M02-1031-F1**  
3-5/32" CS, Tapped 7/16-20,  
3/16" Keyway, 25mm Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 90 day limited\*

- ReadyStart® system makes starting easier, no prime, no choke
- Lo-Tone™ muffler provides a quieter and better sounding engine
- Large rewind starter reduces pulling effort for easy starting



## 725exi SERIES™ 104M02-0021-F1

### FEATURES

**Crankshaft:** 3-5/32" CS, Tapped 3/8-24,  
& 3/16" Keyway, 7/8" Dia

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 90 day limited\*

- ReadyStart® system makes starting easier, no prime, no choke
- Lo-Tone™ muffler provides a quieter and better sounding engine
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Float feed carburetor delivers consistent one pull start
- Large rewind starter reduces pulling effort for easy starting
- Fixed speed 3200 rpm

**NEW!**



BRIGGS & STRATTON  
**JUST CHECK & ADD.**  
NEVER CHANGE THE OIL



\*See BRIGGSandSTRATTON.com for warranty for details.

# 11-2 PROMO ENGINES

## 725exi SERIES™ 104M02-0020-F1/0028-F1

**NEW!**

### FEATURES

**Crankshaft: Model 104M02-0020-F1**  
3-5/32" CS, Tapped 3/8-24,  
and 1/4" Keyway, 25mm Dia.

**Crankshaft: Model 104M02-0028-F1**  
3-5/32" CS, Tapped 7/16-20,  
Keyway, 25mm Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 90 day limited\*

- ReadyStart® system makes starting easier, no prime, no choke
- Lo-Tone™ muffler provides a quieter and better sounding engine
- Large rewind starter reduces pulling effort for easy starting
- Fixed speed 3200 rpm



BRIGGS & STRATTON®  
**JUST CHECK & ADD.**  
NEVER CHANGE THE OIL

NO PRIME. NO CHOKE.  
**READY  
START**

## 850 PROFESSIONAL SERIES™ 121Q02-2025-F1

### FEATURES

**Crankshaft:** 3-5/32" CS, Tapped 3/8-24,  
2 #605 VK & 1/4" Keyway, 25mm Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- ReadyStart® system makes starting easier, no prime, no choke
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Certified to CARB Tier III and meets EPA 2012 Phase 3 Standards
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts



NO PRIME. NO CHOKE.  
**READY  
START**

## 550 SERIES™ 083132-1035-F1

### FEATURES

**Crankshaft:** 2-27/64" CS, Tapped 5/16-24,  
3/16" Keyway, 3/4" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Float feed carburetor delivers consistent one pull start
- Dual Ball Bearing
- Maxi-Clean™ automotive-type pleated paper air filter provides superior protection for long engine life



\*See BRIGGSandSTRATTON.com  
for warranty for details.

## 900 SERIES™ 12S452-0049-F8

### FEATURES

**Crankshaft:** PTO: 6 to 1 Gear reduction  
CCW rotation, 9 O'clock position  
Gear shaft 3/4" Dia., 3/16" Keyway

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Float feed carburetor delivers consistent one pull start



Engines

Promo

## CR950 SERIES™ 13R232-0001-F1

### FEATURES

**Crankshaft:** 2-7/8" CS, Tapped 3/8-24,  
Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 90 day limited\*

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Dual ball bearing
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Equipped with Run Sense low oil sensor



# NEW!



## VANGUARD™ 6.5 GROSS HP‡ 13L332-0036-F8

### FEATURES

**Crankshaft:** 2-27/64" CS, Tapped 5/16-24,  
3/16" Keyway, 3/4" Dia.

**Warranty:** Consumer Use: 3 year limited\*  
Commercial Use: 3 year limited\*

- TransportGuard® eliminates oil dilution
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dual ball bearing with forged crankshaft
- Overhead valve design (OHV) for cooler operation and longer valve life
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Equipped with Run Sense low oil sensor



‡ All power levels are stated gross HP at 3600 rpm per SAE J1940.

\*See BRIGGSandSTRATTON.com for warranty for details.

VANGUARD™



# 11-4 PROMO ENGINES

## VANGUARD™ 6.5 GROSS HP† 13L352-0049-F8

### FEATURES

**Crankshaft:** PTO: 6 to 1 Gear reduction  
CCW rotation, 3 O'clock position  
Gear shaft 3/4" Dia., 3/16" Keyway

**Warranty:** Consumer Use: 3 year limited\*  
Commercial Use: 3 year limited\*

- TransportGuard® eliminates oil dilution
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dual ball bearing with forged crankshaft
- Overhead valve design (OHV) for cooler operation and longer valve life
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Equipped with Run Sense low oil sensor



## 1150 SERIES™ 15T212-0160-F8

### FEATURES

**Crankshaft:** 2-7/8" CS, Tapped 3/8-24,  
1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 90 day limited\*

- Kool Bore™ aluminum alloy bore for cooler operation
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Overhead valve design (OHV) for cooler operation and longer valve life
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life



## VANGUARD™ 10 GROSS HP† 19L232-0036-F1

### FEATURES

**Crankshaft:** 2-3/4" CS, Tapped 3/8-24,  
1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 3 year limited\*  
Commercial Use: 3 year limited\*

- TransportGuard® eliminates oil dilution
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dual ball bearing with forged crankshaft
- Overhead valve design (OHV) for cooler operation and longer valve life
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Equipped with Run Sense low oil sensor



\*See BRIGGSandSTRATTON.com  
for warranty for details.

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

VANGUARD™

## 1450 SERIES™ 19N132-0051-F1

### FEATURES

**Crankshaft:** 2-12" CS, Tapped 3/8-24,  
3/16" Keyway, 3/4" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dual ball bearing
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts



## 1450 SERIES™ 19N132-0035-F1/0055-F1

### FEATURES

**Crankshaft: Model 19N132-0035-F1**  
3-31/64" CS, Tapped 7/16-20,  
Keyway, 1" Dia.

**Model 19N132-0055-F1**  
2-3/4" CS, Tapped 3/8-24,  
Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dual ball bearing
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Equipped with Run Sense (oil sensor)



## 2100 SERIES™ 25T237-0045-F1

### FEATURES

**Crankshaft:** 3-1/2" CS, Tapped 7/16-20,  
Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dual ball bearing
- Dura-Bore™ cast iron cylinder sleeve for extended life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Electric start with back-up recoil
- 10 amp charging system with regulator
- Equipped with Run Sense (oil sensor)



\*See BRIGGSandSTRATTON.com  
for warranty for details.

# 11-6 PROMO ENGINES

## INTEK™ 10.5 GROSS HP† 21R707-0011-G1

### FEATURES

**Crankshaft:** 3-5/32" length, Tapped 7/16"-20,  
1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dual circuit charging system
- **Exhaust included**
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- Overhead valve design (OHV) for cooler operation and longer valve life
- Electric start with back-up recoil
- AVS® system



**SNAPPER**  
and others



## POWERBUILT™ 17.5 GROSS HP† 31R907-0006-G1/0007-G1

### FEATURES

**Crankshaft:** 3-5/32" CS, Tapped 7/16-20,  
1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dura-Bore™ cast iron cylinder sleeve for extended life
- **Exhaust included**
- Overhead valve design (OHV) for cooler operation and longer valve life
- 9 amp charging system



## POWERBUILT™ 17.5 GROSS HP† 31R976-0016-G1

### FEATURES

**Crankshaft:** 3-5/32" length, Tapped 7/16-20,  
1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dura-Bore™ cast iron cylinder sleeve for extended life
- **Exhaust included**
- Overhead valve design (OHV) for cooler operation and longer valve life
- Full pressure lubrication with oil filter
- 9 amp charging system
- Integral fuel pump



\*See BRIGGSandSTRATTON.com  
for warranty for details.

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

## INTEK™ 19 GROSS HP†

**33R877-0003-G1**

### FEATURES

**Crankshaft:** 3-5/32" CS, Tapped 7/16-20,  
1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dura-Bore™ cast iron cylinder sleeve for extended life
- **Exhaust included**
- Pulse type fuel pump included
- Maintenance-free Magnetron® electronic ignition for quick, dependable starts
- Dual-Clean™ air cleaner pleated paper filter with a foam pre-cleaner ensures maximum protection for extended engine life
- 9 amp charging system
- Full pressure lube with oil filter
- AVS® system



**Large Capacity Air Filtration Design!**



Engines

Promo

## PROFESSIONAL SERIES™ 24 GROSS HP†

**44S877-0001-G1/0002-G1**

### FEATURES

**Crankshaft: Model 44S877-0001-G1**  
4-5/16" CS, Tapped 7/16-20,  
1/4" Keyway, 1-1/8" Dia.

**Model 44S877-0002-G1**  
3-5/32" CS, Tapped 7/16-20,  
Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 1 year limited\*

- Dura-Bore™ cast iron cylinder sleeves for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- DU PTO bearing for greater side loads
- 16 amp DC alternator
- Exhaust omitted
- Full pressure lube with oil filter



**Large Capacity Air Filtration Design!**



## COMMERCIAL SERIES™ 24 GROSS HP†

**44T877-0001-G1**

### FEATURES

**Crankshaft:** 3-5/32" CS, Tapped 7/16-20,  
1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 2 year limited\*

- Dura-Bore™ cast iron cylinder sleeves for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems
- DU PTO bearing for greater side loads
- 16 amp DC alternator
- Oil cooler for additional engine life
- Exhaust omitted



† All power levels are stated gross HP at 3600 rpm per SAE J1940.

\*See BRIGGSandSTRATTON.com for warranty for details.

# 11-8 PROMO ENGINES

## COMMERCIAL SERIES™ 27 GROSS HP† 49T877-0004-G1

### FEATURES

**Crankshaft:** 4-5/16" CS, Tapped 7/16-20,  
1/4" Keyway, 1-1/8" Dia.

**Warranty:** Consumer Use: 2 year limited\*  
Commercial Use: 2 year limited\*

- Dura-Bore™ cast iron cylinder sleeve for extended life
- Dependable float feed type carburetor with integral fuel pump for remote mount fuel tank
- Full pressure lubrication with spin-on oil filter assures controlled lubrication for extended component life
- Cyclonic air filter provides ultimate debris protection and lasts 2X longer than panel-style air cleaner systems
- DU PTO bearing for greater side loads
- 16 amp DC alternator
- Oil cooler for additional engine life
- Exhaust omitted



## VANGUARD™ 18 GROSS HP† 356776-0006-G1

### FEATURES

**Crankshaft:** 3-3/16" CS, Tapped 7/16-20, 1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 3 year limited\*  
Commercial Use: 3 year limited\*

- Overhead valve design (OHV) for cooler operation and longer valve life
- Full lubrication with spin-on oil filter
- Commercial quality components
- Premium sintered iron cylinder sleeves
- Recoil only
- Dual-Clean™ air cleaner
- Engine equipped with 9 amp battery less DC regulator
- Exhaust omitted, must order muffler kit part number 807969



**VANGUARD™**

## 810 VANGUARD™ 26 GROSS HP† 49R977-0003-G1/0008-G1

### FEATURES

**Crankshaft:** Model 49R977-0003-G1

4-9/64" CS, Tapped 7/16-20, 1/4" Keyway, 1-1/8" Dia.

Model 49R977-0008-G1

3-5/32" CS, Tapped 7/16-20, 1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 3 year limited\*  
Commercial Use: 3 year limited\*

- Cyclonic air filter provides ultimate debris protection
- Increased cylinder block structure for added strength and durability
- Full lubrication with spin-on oil filter
- Cooling fin inspection panels speed debris inspection and cleaning
- 12-volt solenoid shift starter
- Oil cooler
- Exhaust omitted, must order muffler kit part number 594583

**NEW!**



**VANGUARD™**



\*See BRIGGSandSTRATTON.com for warranty for details.

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

## 810 VANGUARD™ 26 GROSS HP† 49R977-0004-G1

**NEW!**

### FEATURES

**Crankshaft:** Model 49R977-0004-G1

4-9/64" CS, Tapped 7/16-20, 1/4" Keyway, 1-1/8" Dia.

**Warranty:** Consumer Use: 3 year limited\*  
Commercial Use: 3 year limited\*

- (EFM) Electronic Fuel Management automatic choke
- Cyclonic air filter provides ultimate debris protection
- Increased cylinder block structure for added strength and durability
- Full lubrication with spin-on oil filter
- Cooling fin inspection panels speed debris inspection and cleaning
- 12-volt solenoid shift starter
- Oil cooler
- Exhaust omitted, must order muffler kit part number 594583



**VANGUARD™**

Engines

Promo

## 810 EFI VANGUARD™ 27 GROSS HP† 49E877-0005-G1/0006-G1

**NEW!**

### FEATURES

**Crankshaft:** Model 49E877-0005-G1

3-5/32" CS, Tapped 7/16-20, 1/4" Keyway, 1-1/8" Dia.

Model 49E877-0006-G1

3-5/32" CS, Tapped 7/16-20, 1/4" Keyway, 1" Dia.

**Warranty:** Consumer Use: 3 year limited\*  
Commercial Use: 3 year limited\*

- Cyclonic air filter provides ultimate debris protection
- Increased cylinder block structure for added strength and durability
- Full lubrication with spin-on oil filter
- Cooling fin inspection panels speed debris inspection and cleaning
- 12-volt solenoid shift starter
- Oil cooler
- Exhaust omitted, must order muffler kit part number 594584 (Below deck)/594585 (Wide area walk)

DOES NOT  
INCLUDE  
EXHAUST



**VANGUARD™**

## VANGUARD™ 23 GROSS HP† 386447-3079-G1

### FEATURES

**Crankshaft:** 3" CS, Tapped 3/8-24,  
Keyway, 1" Dia.

**Warranty:** Consumer Use: 3 year limited\*  
Commercial Use: 3 year limited\*

- Overhead valve design (OHV) for cooler operation and longer valve life
- Full lubrication with spin-on oil filter
- Commercial quality components
- Premium sintered iron cylinder sleeves
- Dual-Clean™ air cleaner
- Engine equipped with 16 amp DC regulator
- Exhaust omitted
- Oil cooler
- PTO ball bearing



**VANGUARD™**

† All power levels are stated gross HP at 3600 rpm per SAE J1940.

\*See BRIGGSandSTRATTON.com for warranty for details.





# POWER CHANNEL TV

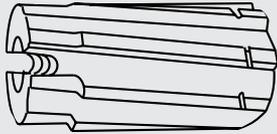
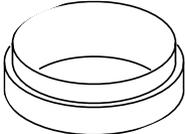
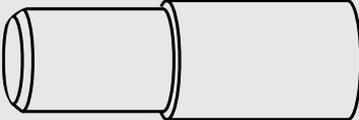
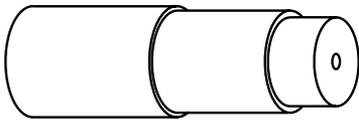
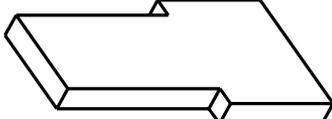
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# BEARING (MAIN) SERVICING 12-1

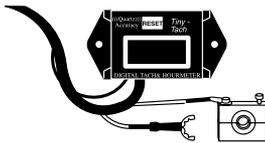
	<b>Reamer - Counterbore</b>	For installing DU bearing in PTO bearing: Horizontal Crankshaft Models 140000, 170000, 190000. For installing DU bearing in MAG. bearing: Vertical Crankshaft Engine Models 171000, 191000.	19281*
	<b>Reamer Guide Bushing "MAGNETO"</b>	Use with 19096 pilot, 19179 bushing driver and 19227 cylinder support.	19282*
	<b>Bearing Driver</b>	For replacing magneto side main bearing on V-Twin Vanguard™ engines built before 97050100. Use with 19227 Cylinder Support Tool.	19349
	<b>Bearing Driver</b>	For replacing magneto side main bearing on Vanguard™ engine Model 161400, 330000 V/Shaft. Use with 19351 Cylinder Support Tool.	19350
	<b>Cylinder Support</b>	For replacing magneto side main bearing on Vanguard™ engine Model 161400, 330000 V/Shaft.	19351
	<b>Main Bearing Plug Gauge</b>	Checking magneto bearing for wear - Vanguard™ engine Model 161400.	19377*
	<b>Main Bearing Plug Gauge</b>	Checking magneto and PTO bearing for wear - Vanguard™ engine Models 260700, 261700.	19378*
	<b>Main Bearing Plug Gauge</b>	Checking magneto and PTO bearing for wear - V-Twin Vanguard™ engines.	19380
	<b>Bearing Driver</b>	For replacing magneto side main bearing on V-Twin Vanguard™ engines built after 97043000. Use with 19227 Cylinder Support Tool.	19450

\* Subject to remaining factory inventory

# 12-2 CAM GEAR BEARING SERVICING

	<p><b>Main Bearing Tool Kit</b></p>	<p>For Servicing Engine Models 85400, 115400, 185400, 245400. Kit Includes:</p> <table border="0"> <tr> <td>19139 Puller Nut</td> <td>19398 Puller Stud</td> </tr> <tr> <td>19318 Puller Screw</td> <td>19401 Driver</td> </tr> <tr> <td>19454 Support</td> <td>19406 Puller Nut</td> </tr> <tr> <td>19320 Driver</td> <td>19408 Puller Stand Off</td> </tr> <tr> <td>19394 Support Driver</td> <td>19440 Support Driver</td> </tr> <tr> <td>19395 Pilot Nut</td> <td>94814 Nut</td> </tr> <tr> <td>19396 Pilot</td> <td>690582 Washer</td> </tr> <tr> <td>19397 Adapter/Driver</td> <td></td> </tr> </table> <p>Note: Each tool part number can also be ordered separately.</p>	19139 Puller Nut	19398 Puller Stud	19318 Puller Screw	19401 Driver	19454 Support	19406 Puller Nut	19320 Driver	19408 Puller Stand Off	19394 Support Driver	19440 Support Driver	19395 Pilot Nut	94814 Nut	19396 Pilot	690582 Washer	19397 Adapter/Driver		<p>19407</p>
19139 Puller Nut	19398 Puller Stud																		
19318 Puller Screw	19401 Driver																		
19454 Support	19406 Puller Nut																		
19320 Driver	19408 Puller Stand Off																		
19394 Support Driver	19440 Support Driver																		
19395 Pilot Nut	94814 Nut																		
19396 Pilot	690582 Washer																		
19397 Adapter/Driver																			
	<p><b>Cam Bearing Plug Gauges</b></p>	<p><b>19164</b> Checking cam gear bearings for wear - most engine models. <b>19383*</b> Checking cam gear bearings for wear - Vanguard™ engine Models 161400, 260700, 261700. <b>19384</b> Checking cam gear bearing for wear - Mag. side V-Twin Vanguard™ engines. <b>19386</b> Checking cam gear bearing for wear - PTO side V-Twin Vanguard™ engines. <b>19387*</b> Checking cam gear bearings for wear - Engine Models 97700, 99700.</p>	<p>19164</p>																
	<p><b>Puller, Camshaft Bearing</b></p>	<p>For removing camshaft bearing on Vanguard™ 3-cylinder liquid-cooled engines.</p>	<p>19421</p>																
	<p><b>Driver, Camshaft Bearing</b></p>	<p>For installing camshaft bearing on Vanguard™ 3-cylinder liquid-cooled engines.</p>	<p>19422</p>																
	<p><b>Magneto Bearing Puller/Installer</b></p>	<p>This tool is designed for Magneto main bearing removal and reinstallation of the 54 and 61 cubic inch Big Block™ engines. It is essentially a hand operated press. The bearing is pulled into the block as it is staked from the inside. Installation is the reverse, as an oil groove needs to be aligned from the inside. To use, a mandrel locks into the bearing. The bolt acts as a lead screw and pulls the mandrel and the bearing into a cup machined into a threaded fixture that straddles the bearing recess. For installation, another threaded fixture is substituted for the cup and the new bearing is pulled into position. Simply tighten all the way and the bearing will be brought to the proper recess by the design of the tool.</p>	<p>19592</p>																

# CARBURETOR SERVICING 12-3

	<b>Screwdriver - Carburetor Jet - small</b>	For removing most carburetor jets.	19061
	<b>Screwdriver - Carburetor Jet - large</b>	For removing most carburetor jets.	19062
	<b>Torx® E5 Socket</b>	For removing and installing carburetor mounting studs on engines equipped with Torx® drive intake manifolds such as the Intek™ V-Twin engines.	19455
	<b>Torx® Driver</b>	For installing tamper-proof screws in governor paddle for Vanguard™ 3-cylinder liquid-cooled gasoline engines.	19445
	<b>Tachometer Adaptor</b>	When attached to ignition module, permits use of Digital Tachometer, 19389 on Vanguard™ 3-cylinder liquid-cooled gasoline engines.	19456
	<b>Digital Tachometer &amp; Hourmeter</b>	For use with Vanguard™ 3-cylinder liquid-cooled diesel engines with 6mm diameter fuel lines. This also includes a permanent transducer (not pictured) to be attached to the 6mm fuel line.	795195
	<b>16mm Carburetor Socket</b>	Remove and install main jet housing on Intek™ V-Twin engines, Extended Life Series™ for Model 440000	19459
	<b>Primer Bulb Removal Tool</b>	For quick and easy removal of primer bulb and retainer on engines equipped with Pulsa-Prime carburetors	19461
	<b>Primer Bulb Installation Tool</b>	Easily installs new primer bulb and retainer on Pulsa-Prime carburetors.	19462
	<b>Fuel Line Removal Tool</b>	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.	19620

# 12-4 CARBURETOR SERVICING - ELECTRICAL TESTING

	<p><b>Screwdriver Set</b></p>	<p>The Briggs &amp; Stratton Power Products 7.0 kW Standby Generator comes from the factory with provisions to change the mixer jet to allow use with natural gas or liquid propane. All that is required to make the conversion is the provided jet and this 19570 screwdriver set. Not just any screwdriver will do. The blade must be thin to fit the jet slot - approximately .040" (1mm) - but wide enough to reach across the jet. At the same time it cannot be too wide or it will shave the peaks off the threads of the jet cavity. Also makes an excellent handle for 19442 star bits.</p>	<p>19570</p>
	<p><b>T40 Plus Torx® Bit</b></p>	<p>This Plus Torx® bit design is to be used for the Model 31 &amp; 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.</p>	<p>19608</p>
	<p><b>Otoscope</b></p>	<p>The use of the otoscope offers the technician the ability to see into small passages and jetting of carburetors. The otoscope offers 2X minimum magnification and a push button switch to activate the bulb to ensure that the technician will not forget to turn off the light causing the battery to be drained.</p>	<p>19607</p>
	<p><b>Amp Fuses</b></p>	<p>19449 15 Amp Fuse 19571 11 Amp Fuse Recently, our Fluke® Digital Multimeter supplier substituted a Model 73 Series III for the Model 73 Series II meter we'd been buying for years. The meter specifications were the same so the change passed our quality audit with no problem. What came as a surprise a short time later is the Series III meter uses an 11 amp fuse instead of the 15 amp used by the Series II. It is never a good idea to replace a fuse with one that is incorrectly rated for the meter and damage may result. If you have a Fluke Series II Multimeter, you need a 15 amp fuse, part number 19449. If you have a Series III Multimeter, you need an 11 amp fuse, part number 19571.</p>	<p>19449 19571</p>

# FLYWHEEL HOLDER/PULLER 12-5

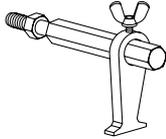
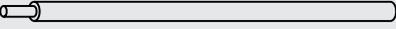
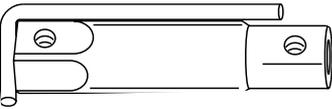
	<p><b>400 Amp AC/DC Clamp Style Digital Multi-Meter</b></p>	<p>This new Multi-Meter is feature packed and safer to use for amperage testing than standard probe style meters. It has the following capabilities for measuring:</p> <ul style="list-style-type: none"> <li>• AC/DC Volt - with a Cat III 600 Volt Safety Rating</li> <li>• AC/DC Current (Amp)</li> <li>• Resistance (Ohms <math>\Omega</math>)</li> <li>• Continuity &amp; Diode Testing - with audible signal</li> <li>• Capacitance &amp; Frequency (Hz) or % Duty Cycle</li> <li>• Temperature <math>^{\circ}\text{C}</math> or <math>^{\circ}\text{F}</math> (-22 to 572<math>^{\circ}\text{F}</math>/-30 to 300<math>^{\circ}\text{C}</math>),</li> </ul> <p>Additional features:</p> <ul style="list-style-type: none"> <li>• Auto Off</li> <li>• Auto/Manual Ranging</li> <li>• Data Hold</li> <li>• Backlight</li> <li>• Zero Button</li> <li>• Overload protection for all ranges</li> <li>• Over range and low battery indicators</li> </ul> <p>Comes complete with test leads, type K bead wire thermocouple probe, case, two AAA batteries and instruction booklet.</p>	<p>19602</p>
	<p><b>PowerLink<sup>®</sup> Test Box</b></p>	<p>Use with 19602, 19581, 19464 Digital Multimeters for testing AC output on the PowerLink<sup>®</sup> Stators</p>	<p>19528*</p>
	<p><b>Capacitance-Frequency Meter</b></p>	<p>Used for checking the frequency (Hz) on a running generator. Flip switch on meter to "FREQ", use plug-in, and plug into AC outlet on generator. Compatible with 50 or 60 Hz generators</p> <p>To test a capacitor, flip switch to "CAP" and touch probes to terminals on capacitor and the capacitance will be displayed. Capacitance range is 10 to 99 microfarads.</p>	<p>19602*</p>
	<p><b>DC AMP Shunt</b></p>	<p>An improved version of a valuable diagnostic tool. Color coded receptacles hold digital multimeter leads securely while testing. This tool works with any digital multimeter with a millivolt scale.</p>	<p>19468</p>
	<p><b>Flywheel Pullers</b></p>	<p><b>19069</b> - small, hole distance 1-5/8" or 1.630" (41.275 mm)  <b>19165</b> - medium, hole distance 2" or 2.010" (50.8 mm)  <b>19203</b> - large, hole distance 2-13/16" or 2.820" (71.4375 mm)</p>	

Service Tools  
Carburetor Servicing

\* Subject to remaining factory inventory



# 12-6 FLYWHEEL HOLDER/PULLER - IGNITION

	<b>Flywheel Holder</b>	For removing and installing flywheel on Vanguard™ 3-cylinder liquid- cooled engines.	19418
	<b>Flywheel Strap Wrench</b>	For holding flywheel while removing and torquing flywheel nut on all engine models. Note: Replacement strap is available separately. Order Part # 19448	19433
	<b>Flywheel Puller - Micro Engine</b>	For removing flywheels on Micro engine. Includes driver and an adapter for clutch drive engines	19538*
	<b>Flywheel Puller - Motor Sports</b>	This flywheel puller is designed to work specifically with Billet aluminum motor sports flywheels only	19584
	<b>Rotor Puller</b>	This tool is designed to remove the rotor from the engine crankshaft taper on the new 18/20kW Standby Generator System <ul style="list-style-type: none"> <li>• Use repair manual 277528GS for detailed instructions on how to safely remove the rotor with this pulley kit</li> </ul>	19590
	<b>Flywheel Puller - Powerlink®</b>	Required when removing and installing flywheel on engines equipped with the PowerLink® systems. Also works on most other flywheels	19534*
	<b>Plug Gauge</b>	Servicing breaker point plunger hole	19055
	<b>Bushing Driver</b>	Servicing breaker point plunger hole	19057
	<b>Ignition Tester</b>	Used to test all ignition coils except Vanguard™ 3 L/C gas engines. For the Vanguard™ 3 L/C gas engines, please see 19400 Spark Tester.	19368
	<b>Spark Tester</b>	Special Air Gap of .400" (10 mm) for use on Vanguard™ 3-cylinder liquid-cooled engines.	19400
	<b>Spark Plug Wrench</b>	For removing 13/16" and 3/4" hex head spark plugs. Wrench length 5-1/2" (14 cm).	89838S

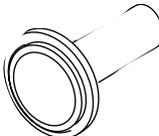
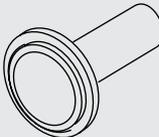
Service Tools

Cylinder Resizing



\* Subject to remaining factory inventory

# OIL SEAL - OUTBOARD SERVICING 12-7

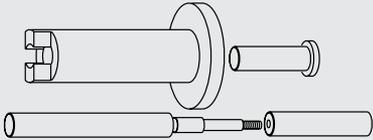
	<p><b>Spark Plug Wrench</b></p>	<p>The 19576S spark plug wrench has been modified to fit a wider variety of applications. The wrench, sized to fit 13/16" spark plugs on one side and 5/8" spark plugs on the other has been stretched from 5-1/2" to a full 8" (14 cm-20 cm). This change was driven by the longer reach needed to access spark plugs on many overhead valve engines. To gain better torque in removing the plug, the handle is longer as well. The blister pack part number is 5402.</p>	<p>19576S</p>
	<p><b>Driver, Oil Seal</b></p>	<p>For installing timing gear cover oil seal on Vanguard™ 3-cylinder liquid-cooled engines.</p>	<p>19423</p>
	<p><b>Driver, Oil Seal</b></p>	<p>For installing rear oil seal on Vanguard™ 3-cylinder liquid-cooled engines.</p>	<p>19424</p>
	<p><b>Prop Shaft Fixture</b></p>	<p>Holds propeller shaft securely for easy removal of sliding clutch roll pin. For replacement pins order 19558.</p>	<p>19555*</p>
	<p><b>Tapered Socket</b></p>	<p>1-1/4" tapered hex. For removing and installing carrier nut on outboard gear case. Holds securely without damaging nut.</p>	<p>19557*</p>

Service Tools  
Electrical Testing

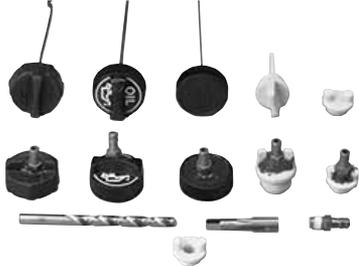
\* Subject to remaining factory inventory



# 12-8 PISTON & PISTON RINGS SERVICING

	<p><b>Piston Ring Compressor</b></p>	<p>For engines 5 HP<sup>†</sup> and below, such as Model 6, 8, 9, 10, 12, 13</p>	<p>19070</p>
	<p><b>Piston Ring Compressor</b></p>	<p>For engines above 5 HP<sup>†</sup>.  <b>Instructions for Operating Piston Ring Compressors</b>            After placing rings in grooves on piston, enclose piston and rings in compressor. Make certain rings are FULLY entered IN GROOVES. Tighten compressor by turning handle to right until rings are compressed sufficiently to enter cylinder. After tightening compressor the handle may be removed. The automatic friction brake holds the compressor at the desired tension. Friction brake may be adjusted by turning the screws on the side of the compressor. Turn right to increase. Turn left to reduce tension. In loosening compressor turn handle SLOWLY to left. If loosening too rapidly tension band may be damaged. Keep compressor clean. Dirt or grit between the tension band and compression band will damage the former.            USE PLENTY OF OIL.            NOTE: positioning the ring compressor on the cylinder with the 3 dimples</p>	<p>19230</p>
	<p><b>Ring Expander</b></p>	<p>For removing and installing piston rings. Minimized ring distortion and breakage. All engine models.</p>	<p>19340</p>
	<p><b>Piston Pin Fixture</b></p>	<p>For removing and installing piston pin on Vanguard™ 3-cylinder liquid-cooled gasoline engines.</p>	<p>19419</p>
	<p><b>Mity Vac Pressure/Vacuum Pump</b></p>	<p>Check carburetor inlet needles and seats for leakage. Check pressure switches. Check dash pot pull of on 3 L/C choke.</p>	<p>19493</p>
	<p><b>Digital Crankcase Vacuum Tester</b></p>	<p>Extremely accurate and simple tool for measuring crankcase vacuum, or natural gas and LP fuel pressure for home generators. Check crankcase vacuum with engine running at top no load speed.</p>	<p>19495</p>

# PRESSURE/VACUUM TESTING 12-9

	<p><b>Engine Test Fittings</b></p>	<p>What you need now is a quick and easy way to firmly attach these tools to an engines crankcase. All you need to do is gather an assortment of various engine fill caps and dipsticks and an equal number of 691764 barbed fuel fittings. Listed below is an assortment of dipstick and oil fill cap part numbers. First, if using a dipstick remove it from the cap. Determine the best location to drill a hole using a letter "Q" drill bit. Since you're working with plastic it may also be possible to use a 21/64" or 5/16" bit. Next, tap the hole with a 1/8" NPT tap, install the barb, epoxy in place and you're finished.</p> <p>Part Number</p> <ol style="list-style-type: none"> <li>1. - 499621 Dipstick</li> <li>2. - 807985 Dipstick</li> <li>3. - 495230 Dipstick</li> <li>4. - 715588 Dipstick</li> <li>5. - 281658 Fill Cap</li> <li>6. - 691764 Hose Connector</li> </ol>	<p>499621</p>
	<p><b>Hand-Held Tiny-Tach Diagnostic Tool</b></p>	<p>Part number 795163 is a pulse operated, hand-held tachometer designed more as a diagnostic tool than other Tiny-Tachs. This tach is set up as a wireless device but comes equipped with a plug in wired antenna for those occasions where a stable rpm reading is hard to get. It features an auto off feature to extend battery life. Accuracy is +/- 10 rpm and the display is updated every 1/2 second. Besides the standard rpm display, the tach can be programmed to display MAX rpm reached during each session. This is a nice, handheld wireless tachometer!</p>	<p>795163*</p>
	<p><b>Digital Tachometer &amp; Hourmeter</b></p>	<p>Meter displays rpm while engine is running. When engine is stopped, meter displays elapsed time. The maximum speed is 20,000 rpm and it updates 1-2 times per second.</p>	<p>19598</p>
	<p><b>Quick Clamp Transducer</b></p>	<p>Use with 19457 Digital Tachometer and Hourmeter. Quick clamp design with spring loaded post terminal for easy installation and removal.</p>	<p>19463*</p>
	<p><b>Adjustment Gauge</b></p>	<p>For adjusting secondary governor spring, V-Twin Vanguard™ engines. It is required for adjusting the governing on M29, M30, M35, M38 engines for generator applications, which can be challenging. On many of the applications the governor lever area is obscured by the exhaust system or that application, so trying to measure the distance between the governor arm and the control bracket without the gauge would be very difficult.</p>	<p>19385</p>

Service Tools  
Ignition & Related Parts Servicing

\* Subject to remaining factory inventory



# 12-10 SPEED - SIZE - TORQUE - MEASURING



**Diesel Tachometer**

This tachometer uses the trigger module from the 3/LC gas engine as a sensor to monitor crankshaft motion. Most diesel engines sold since 2007 are equipped with this sensor. If not, it will have to be added. Order 825009 for the trigger module and 820013 for an attachment screw. The tachometer is powered by the pulses from the trigger module so it does not require an external battery. Besides a tachometer function, this unit also has 2 service countdown circuits, a max rpm circuit and a timer function that can be used to time specific jobs.

795195



**Commercial Tachometer**

Part number 795163 is a new commercial Tiny-Tach that has the same 20k rpm limit and refresh rate as the improved version mentioned previously. According to Tiny-Tach, the ... commercial Gas Model can be used as a complete Service Tracking device for any spark ignited engine. It is programmable for different firing orders as well as for tracking two different service intervals." This is way more than a tachometer. Features include

- Captures total time in hours and minutes up to 200 hours, and hours only thereafter
- Displays any time the engine is running, up to 20,000 RPM
- Displays maximum RPM recorded. Resettable.
- Job length of time. A resettable timer displayed in hours and minutes up to 200 hours
- Programmable "time till service" counter 0 to 50 hours
- Programmable "time till service" counter 0 to 250 hours

795193

Service Tools

Piston & Piston Rings Servicing

# SPEED - SIZE - TORQUE - MEASURING 12-11

<p>TESTING 12 VOLT STARTER MOTOR WITH DIGITAL MULTIMETER</p> <p>EXTRA HOLE FOR MOUNTING STARTER BRACKETS</p> <p>DRILL TWO HOLES - 3/8" DIA FOR STARTER MOUNTING BRACKET FOR #392749</p> <p>DRILL TWO HOLES FOR MOUNTING B&amp;S #19200 TACHOMETER #7 DRILL TAP HOLE FOR 1/4-20 NC SCREWS</p> <p>METAL STOCK - 1/4" THICK STEEL</p>	<p><b>Tachometer (Treysit Sirometer)</b></p>	<p>This sirometer measures from 800 to 25,000 revolutions per minute (rpm). It can be used for measuring engine rpm and by making this bracket measuring starter motor rpm as stated in the repair manuals.</p>	<p>19200</p>
	<p><b>Tang Bender</b></p>	<p>For all engines. Used for setting top no load and governed idle speeds.</p>	<p>19480</p>
	<p><b>Dial Caliper</b></p>	<p>Range: 0" to 6" (0 to 152.4 mm) and reads to .011"</p>	<p>19609*</p>
	<p><b>Micrometer Set</b></p>	<p>1" to 3" micrometer set in blow-molded case.</p> <ul style="list-style-type: none"> <li>• Stainless steel thimble and barrel in brushed satin finish</li> <li>• Frame finished in industrial Hammertone paint</li> <li>• Ratchet stop to aid measurement consistency</li> <li>• 10 thousandths vernier scale</li> <li>• Lock lever to lock spindle in position</li> <li>• Carbide faced anvil and spindle</li> <li>• Standards included</li> </ul>	<p>19611</p>
	<p><b>Torque Wrench - 3/8" Drive</b></p>	<p>Range: 0 to 300 Inch Pound (0 to 346.8 Kgcm) (0 to 34.0 Nm)</p>	<p>19393</p>

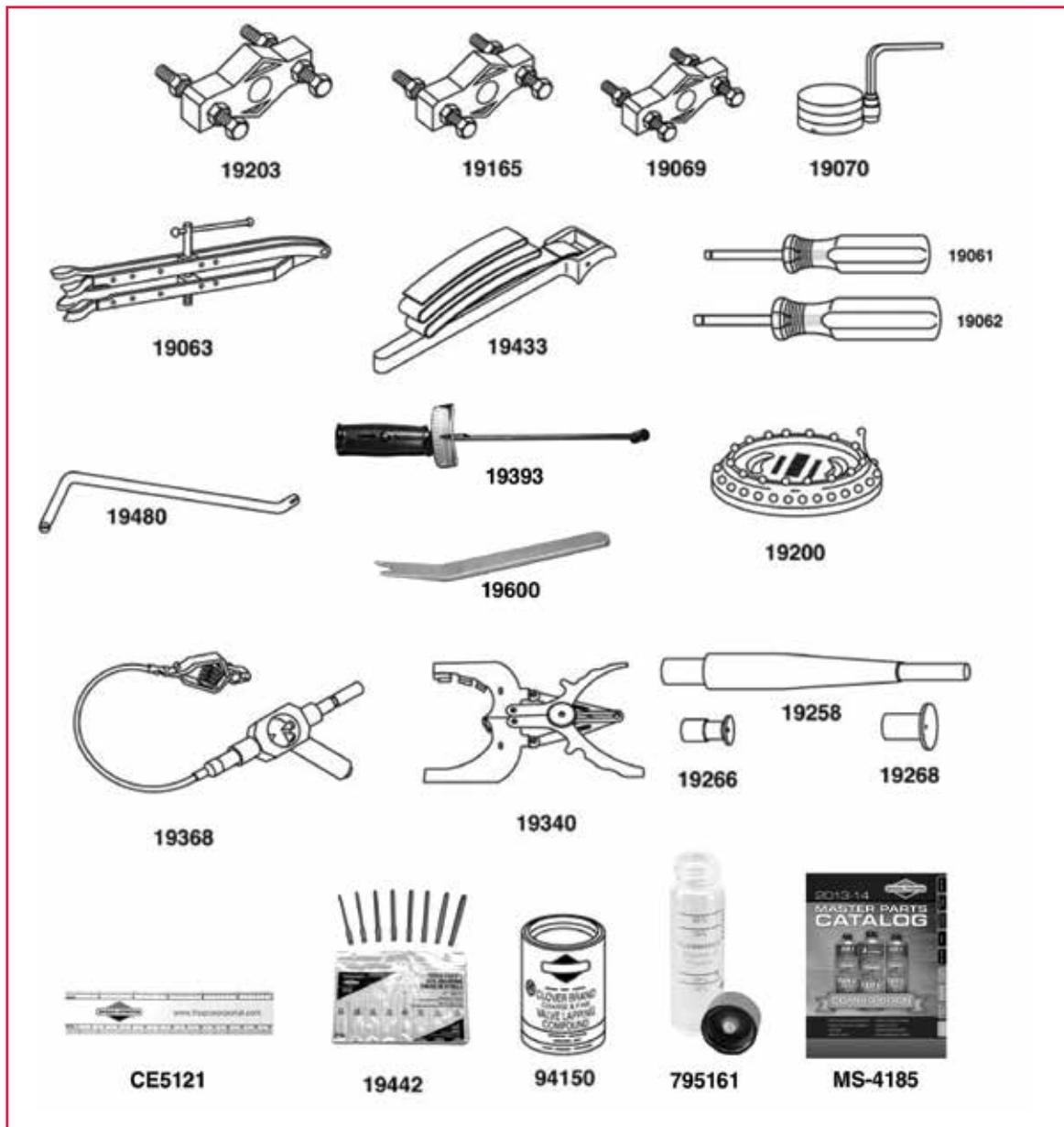
Service Tools  
Pressure/Vacuum Testing

\* Subject to remaining factory inventory



# 12-12 BASIC TOOL KIT

## 19300 Basic Tool Kit



### KIT INCLUDES:

19061	Carburetor Jet Screwdriver, Small Jets	19368	Tester - Ignition
19062	Carburetor Jet Screwdriver, Large Jets	19393	Torque Wrench
19063	Valve Spring Compressor	19433	Flywheel Holder <sup>1</sup>
19069	Flywheel Puller - small, hole distance 1-5/8"	19442	Torquex Start Bits <sup>3</sup> in handy pouch
19070	Piston Ring Compressor (5 HP <sup>†</sup> & below)	19480	Tang Bender
19165	Flywheel Puller - medium, hole distance 2"	19600	Fuel Line Removal Tool
19200	Tachometer (Treysit Sirometer)	795161	Alcohol Fuel Tester
19203	Flywheel Puller - large, hole distance 2.13/16	94150	Clover <sup>®</sup> Valve Lapping Compound
19258	Valve Lapper <sup>2</sup> (includes 19266 & 19268)	CE5121	Air Gap Gauge .010" (.254 mm)
19340	Piston Ring Expander	MS-4185	Master Parts Catalog

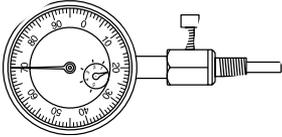
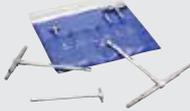
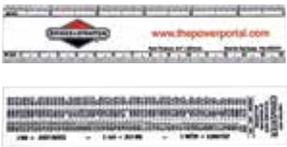
**Note:** Each tool part number can also be ordered separately.

<sup>1</sup>For replacement strap, order 19489

<sup>2</sup>To order replacement suction cups, specify: 19266 - 3/4" (19.1 mm) 19268 - 1-1/4" (31.8 mm)

<sup>3</sup>To order replacement bits, specify: 19510 (T-10) - 19511 (T-15) - 19512 (T-20) - 19482 (T25) - 19513 (T-27) - 19514 (T-30) - 19515 (T-40) - 19516 (T-45)

# STARTERS - ELECTRIC/MANUAL REWIND 12-13

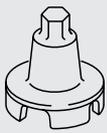
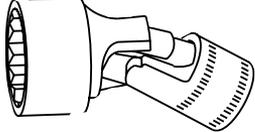
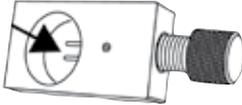
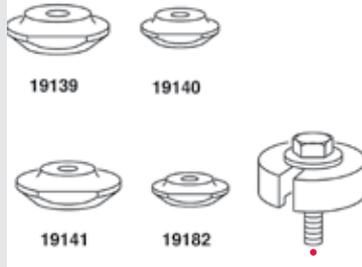
	<b>Dial Indicator</b>	For timing injector on Vanguard™ 3-cylinder liquid-cooled diesel engines.	19441
	<b>Telescoping Gauge</b>	Twelve inch (304 mm) length handle will reach the bottom of any cylinder bore. Range: 1.960" - 6.185"	19485*
	<b>Dial Bore Gauge</b>	Fast, accurate method of checking cylinder bore size, taper and out of round. Range: 1.960" - 6.185".	19487*
	<b>Telescoping Gauge Set</b>	6 gauges. Range from 5/16" to 6.0"	19610
	<b>6" Digital Caliper</b>	<ul style="list-style-type: none"> <li>Measures steps, internal, external and depth measurements</li> <li>Large, easy to see numerals</li> <li>Reads in inches or millimeters</li> <li>Packaged in hard case with extra battery</li> </ul>	19609
	<b>Six-Inch Stainless Steel Scale</b>	This tool is almost a requirement for the shirt pocket of any technician. Made of flexible stainless steel, this 6-inch 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.	CE5005
	<b>Air Gap Gauge</b>	Disguised as a flexible 6-inch polymer ruler, this tool's hidden purpose is a reusable, armature air gap gauge. To use, back the armature out of it's 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.	CE5121
	<b>Tachometer Adaptor</b>	When attached to ignition module, permits use of Digital Tachometer, 19389 on Vanguard™ 3-cylinder liquid-cooled gasoline engines.	19456*
	<b>Starter Repair Kit</b>	For replacing rewind spring and starter ropes. For use on engines equipped with ratchet style starter clutches.	5054

Service Tools  
 Speed - Size - Torque - Measuring

\* Subject to remaining factory inventory



# 12-14 VALVE COMPRESSION SERVICING

	<b>Starter Clutch Wrench</b>		19244
	<b>Universal Socket</b>	13 mm, 12 point, 1/4" Drive. For removing electric starter mounting screws. All V-Twin Vanguard™ engines.	19353
	<b>C-Ring Installation Tool</b>	Installing new C-ring on starter motor when replacing starter motor drive.	19435
	<b>Replacement Drive Pins</b>	Replacement drive pins for the C-ring removal tool	19447
	<b>Universal Socket</b>	12 mm 6 point, 1/4" drive socket for removing and installing starter motors on current Vanguard™ V-Twin engines, and 3/LC diesel injection pumps.	19497
	<b>C-Ring Removal Tool</b>	For removing C-ring on starter motor when replacing starter motor drive. All Models. Replaces 19436.	19522
	<b>Torx® Driver</b>	Designed to help remove the tamper-proof fasteners of the Touch-N-Mow starter system.	19524
	<b>Valve Spring Compressor</b>		19063
	<b>Valve Seat Puller Kit</b>	Kit includes: 19139* Puller Nut 19140* Puller Nut 19141* Puller Nut 19182* Puller Nut • Note: Not available separately	19138

Service Tools

Speed - Size - Torque - Measuring

# VALVE COMPRESSION SERVICING 12-15

<p>19151 19233 19204 19231</p> <p>19234</p> <p>19239 NUT</p> <p>19240 19238 19264</p>	<p><b>Valve Guide Repair Kit</b></p>	<p>For servicing 5/16" valve guides.</p> <p>Kit Includes:</p> <p>19151 Plug Gauge          19204 Bushing Driver          19231 Reamer - Counterbore          19233 Reamer - Finish          19234 Reamer Guide          19238 Puller Bolt          19239 Nut          19240 Washer          19264 9 mm Tap</p> <p>Note: Each tool part number can also be ordered separately.</p>	<p>19232</p>
	<p><b>Valve Lapper</b></p>	<p>(includes 19266 and 19268) To order replacement suction cups, specify: 19622 - 3/4" (19.1 mm) 119268 - 1-1/4" (31.8 mm).</p>	<p>19258</p>
<p>19064 19066 19122 19191</p> <p>19270</p> <p>19271</p> <p>19272 19273 19367</p>	<p><b>Valve Guide Repair Kit</b></p>	<p>For servicing 1/4" valve guides.</p> <p>Kit Includes:</p> <p>19064 Reamer - Counterbore          19066 Reamer - Finish          19122 Plug Gauge          19191 Reamer Guide          19270 Washer          19271 Puller Bolt          19272 Nut          19273 7 mm Tap          19367 Bushing Driver</p> <p>Note: Each tool part number can also be ordered separately.</p>	<p>19269</p>
	<p><b>Valve Seat Cutter Repair Kit</b></p>	<p>3 blades - use on either side of cutter head.          3 set screws and 3 wedges</p>	<p>19302</p>
	<p><b>Reamer Guide</b></p>	<p>For guiding the 19346 reamer while finish reaming valve guide bushing in Vanguard™ engines.</p>	<p>19345</p>

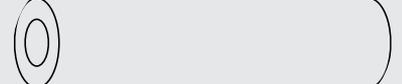
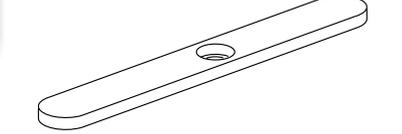
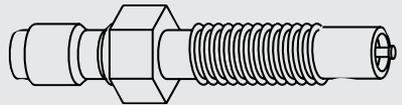
Service Tools

Starters - Electric/Manual Rewind

\* Subject to remaining factory inventory



# 12-16 VALVE COMPRESSION SERVICING

	<b>Valve Guide Reamer</b>	For finish reaming single cylinder Vanguard™ engine models 104700, 161400, 260700, 261700 valve guide bushing after installation.	19346
	<b>Valve Spring Compressor</b>	For compressing valve springs, most Vanguard™ engine models.	19347
	<b>Valve Guide Plug Gauge</b>	Checking valve guides for wear - Models 20, 21, 31, 33 Vanguard™, engine models 104700, 161400, 260700, 261700, and single cylinder OHV model 280000.	19381
	<b>Valve Guide Plug Gauge</b>	Checking valve guides for wear - Vanguard™ V-Twin engines. Also single cylinder Vanguard™ engine models 85400, 115400, 185400, 235400 and 245400	19382
	<b>Valve Guide Driver</b>	For installing guide bushings on Vanguard™ 3-cylinder liquid-cooled engines.	19416
	<b>Valve Spring Compressor</b>	For removing and installing valves on Vanguard™ 3-cylinder liquid-cooled engines.	19417
	<b>Compression Test Adaptor</b>	For testing compression on Vanguard™ 3-cylinder liquid-cooled diesel engines.	19443
	<b>Valve Guide Reamer</b>	For finish reaming Vanguard™ V-Twin valve guides after installation. Also used for cleaning valve guides on Vanguard™ 3-cylinder liquid-cooled engines. Use with 19345 Reamer Guide.	19444
	<b>Neway Valve Seat Cutter Kit</b>	For reconditioning 30° and 45° angle valve seats on Vanguard™ 3-cylinder liquid-cooled engines. Includes 15° cutter for top cutting 30° angle seats. Includes 6.0 and 6.02 mm pilots.	19547*
	<b>Valve Adjustment Set</b>	For adjusting valves on Vanguard™ and Intek™ V-Twin engines. Offset 13 mm wrench with 5 mm hex and T-40 Torx® drivers.	19465
	<b>Orifice</b>	Calibrated specifically for use with the older 19475 Leakdown Tester on 3/LC engines.	19478*

Service Tools

Valve Compression Servicing

# VALVE COMPRESSION SERVICING 12-17

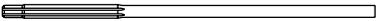
	<b>Leakdown Tester</b>	Used to test the sealing capabilities of the compression components of all engines. Comes with crankshaft clamp and case .	19545
	<b>Easy Turn Wrench</b>	Spring loaded body maintains an even pressure when cutting valve seats. Rotating handle allows continuous turning for faster seat cutting and minimizing chatter.	19549
	<b>Seat Cutter Upgrade Kit</b>	This kit will upgrade the basic 19237 seat cutter kit to the level of 19547 master seat cutter kit.	19547*
	<b>Master Seat Cutter Kit</b>	This kit will service all older and existing Briggs & Stratton® engines.	19547
	<b>Clover® Valve Lapping Compound</b>	4 oz. (113 g) duplex can contains coarse (120 grit) and fine (280 grit) compound.	94150
	<b>Diesel Compression Tester</b>	The 19566 3/LC Diesel Compression tester includes: <ol style="list-style-type: none"> <li>1. High pressure hose</li> <li>2. Parker – “ST series 1” mini quick disconnect fitting</li> <li>3. 19443 glow plug adapter</li> <li>4. Pneumatic gauge protector</li> <li>5. Injection molded storage case</li> </ol> NOTE: Do not try to use an automotive type gasoline engine compression gauge on a diesel engine. They don’t normally have the range necessary for diesel engines and there may be an issue with the hose bursting. Normal compression for the Briggs & Stratton 3/LC diesel engine is as high as 500 psi (35 bar). The 19566 3/LC Diesel Compression Tester is capable of reading 1000 psi (70 bar).	19566

Service Tools  
Valve Compression Servicing

\* Subject to remaining factory inventory



# 12-18 VALVE COMPRESSION SERVICING

	<p><b>3/LC Diesel Leakdown Adapter</b></p>	<p>This adapter kit allows the 19545 Leakdown Tester to be used to diagnose compression problems with the 3/LC diesel engine line. This kit includes the following:</p> <ul style="list-style-type: none"> <li>• A quick disconnect fitting that attaches to the high pressure supply side of the leakdown tester</li> <li>• A hose quipped with a mini quick disconnect fitting that attaches to the low pressure side</li> <li>• A 19443 diesel compression tester adapter that screws into the glow plug hole.</li> </ul> <p><b>NOTE:</b> Remove the Shrader Valve from the 19443 adapter when performing leakdown testing. Once the adapter parts are installing, the tester is used in the normally fashion.</p> <ol style="list-style-type: none"> <li>1. Standard "M" style fitting with orifice drilled in the end of fitting</li> <li>2. Standard "M" style quick release fitting</li> <li>3. Adapter properly attached to the leakdown tester</li> <li>4. Parker – "ST Series I" mini quick disconnect</li> </ol>	<p>19559</p>
	<p><b>Brake Adjustment Gauge</b></p>	<p>For adjusting band brakes</p>	<p>19256</p>
	<p><b>Governor Bushing Reamer</b></p>	<p>For finish reaming 1/4" (6.35 mm) governor shaft bushing, after installation. 3 HP† to 16 HP† single cylinder mechanical governor engines.</p>	<p>19333</p>
	<p><b>Puller, Crankshaft Pulley</b></p>	<p>For removing crankshaft pulley on Vanguard™ 3-cylinder liquid-cooled engines.</p>	<p>19420</p>
	<p><b>Alternator Wrench</b></p>	<p>For use on 3/LC engines. Holds alternator pulley nut when removing and installing alternator pulley. Also handy when rotating crankshaft when adjusting valve clearance.</p>	<p>19491</p>
	<p><b>Torquex Star Bits</b></p>	<p>To remove and install Torx® screws. In handy pouch. T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45 bit length 3.75 inches. These Torquex star bits are not to be used with pneumatic hand tools. Replacement bits: 19510 (T10), 19511 (T15), 19512 (T20), 19513 (T27), 19482 (T25), 19514 (T30), 19515 (T40), 19516 (T45)</p>	<p>19442</p>

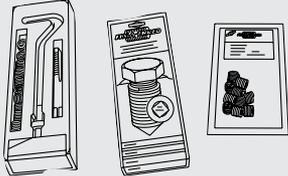
	<p><b>Injector Tester</b></p>	<p>If you service and repair diesel engines on a regular basis, a diesel injector tester is a must have tool. This test from US Diesel in Fort Worth, Texas is what we use so we know it's tough enough for everyday use. This tool is part number U470/600B and is supplied with a 12 mm and 14 mm injector line.</p>	
	<p><b>Pressure Washer Tester Gauge</b></p>	<p>This pressure gauge is installed between the pump head and high pressure hose to check pump output pressure. It has a M22 X M22 connection that will allow quick installation on hoses with those fittings. With the gauge installed in this position, gauge readings will be approximately 200 psi (13-14 bar) lower than the rated pump pressure due to pressure loss across the unloader</p>	<p>196682GS</p>
	<p><b>Alcohol Fuel Tester</b></p>	<p>Briggs &amp; Stratton introduced a tester to determine the alcohol content in gasoline almost three decades ago. At that point we were concerned about the damage fuel containing more than 10% alcohol could do to fuel systems. Fuel in some parts of the world is being marketed with 75 to 85% alcohol. Because this fuel is not suitable for use in our engines, you may need to have a method to determine what the actual content is. This tester is marked with a calibration line at 10%, 20% 70% and another at 85%. This provides the technician with visual cues as to the alcohol content.</p> <p>Fill tester with water to the fill line first. Then add gasoline needed to be tested all the way to the top. Read the side of the tester where it shows the gasoline and water separation point.</p>	<p>795161</p>
	<p><b>Heavy Duty Shop Towels</b></p>	<p>These all-purpose wipers are great for keeping the work bench and shop clean.</p>	<p>100054</p>
	<p><b>Aerosol Spray Paint for Engines</b></p>	<p>Fast drying, lacquer base, gasoline and heat resistant, 13 ounce (369g) spray can. Available colors, order separately: 271400 (gloss black), 271405* (ice white), 271403 (satin black), 271675 (American red)</p>	<p>271400</p>
	<p><b>Grease Gun</b></p>	<p>Well crafted from quality materials and chrome-plated to extend its life, these use the standard Briggs &amp; Stratton 14 oz. (379g) long grease tubes. A short stroke lever-action makes it easy to use in tight spaces. 14 oz. grease tube part number - 100059</p>	<p>100110</p>

Service Tools  
Valve Compression Servicing

\* Subject to remaining factory inventory



# 12-20 MISCELLANEOUS

	<p><b>High-Performance Grease</b></p>	<p>14 oz. (397g) cartridge. Moly/graphite provides maximum anti-wear protection. Ideal for industrial, automotive, &amp; outdoor power equipment</p>	<p>100059</p>
	<p><b>Fix-A-Thread Kits</b></p>	<p>For repairing damaged and stripped threads. 100024 Master Thread Repair Kit includes: 100007 (thread repair kit 10-32), 100008 (thread repair kit 1/4-20), 100009 (thread repair kit 5/16-18), 100010 (thread repair kit M5x.8), 100011 (thread repair kit M8x1.25), 100013 (thread repair kit 14 mm Spark Plug). Thread insert refills: 4185 - 10-32 refill - 10</p>	<p>100024</p>
	<p><b>Quick Fuel Line Disconnects</b></p>	<p>These fuel line quick disconnects allow the fuel line to be separated without fuel leakage. When servicing or testing equipment that frequently needs to have the engine or fuel tank separated from the equipment, these fittings offer you a spill-proof method. The male end is part number 192695GS and the female end is part number 189117GS. Both are available as a Briggs &amp; Stratton Power Products part number.</p>	<p>192695GS 189117GS 189117GS</p>
	<p><b>Grease Gun Kit- Simple one-Handed Operation</b></p>	<p>Contains steel grease gun, application tube &amp; one 3 oz. grease cartridge.</p>	<p>100057</p>
	<p><b>Grease Gun Refill Kit</b></p>	<p>Grease Refill Cartridges for Grease Gun Kit 100057</p>	<p>100058</p>
	<p><b>Pen Light</b></p>	<p>Featuring a black ink refill on one side and an LED flashlight on the other, you're ready to peer into poorly lighted spaces such as carburetor jets or fuel tanks and record your findings on a shop ticket. Flashlight uses 3 LR41 button cells (included)</p>	<p>CE5004</p>
	<p><b>Hydraulic Hose Disconnect</b></p>	<p>For use on Conquest and Prestige power steering</p>	<p>1686997SM</p>
	<p><b>Caliper</b></p>	<p>Takes the guess work out of leveling mower decks. Calibrated from 1.5" to 3.25"</p>	<p>1686997SM</p>
	<p><b>Flow Meter Kit</b></p>	<p>For testing and troubleshooting hydraulic systems.</p>	<p>1687102SM</p>

# MISCELLANEOUS 12-21

	<p><b>Quick Connect Coupling</b></p>	<p>Use this as an add on to flow meter 1687102SM to allow flow meter to plug into hydraulic. Requires use of a Male Pipe X Male JIC Adaptor</p>	<p>2173359SM</p>
	<p><b>Drive Disc Adjustment Tool</b></p>	<p>Used to adjust the drive disc on the rear engine rider.</p>	<p>7060601YP</p>
	<p><b>Spanner Wrench</b></p>	<p>Use this tool to adjust the rear shocks on select models.</p>	<p>5022853SM</p>
	<p><b>Repower Terminal Kit</b></p>	<p>The Engine Repower Terminal Kit will equip you to handle almost any electrical connector or terminal service work on nearly any air-cooled engine equipment repower that comes your way. The generous selection of connectors and terminals provides you with the necessary component to perform equipment repower by removing the old worn out non- Briggs &amp; Stratton engine and replacing it with a new modern Briggs &amp; Stratton engine. This Repower Kit is designed to work on virtually all pieces of equipment manufactured globally.</p>	<p>19615</p>

Service Tools  
Miscellaneous

\* Subject to remaining factory inventory





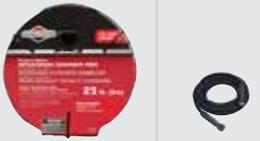
**BRIGGS & STRATTON®**  
**GENUINE**  
**PARTS**

**WARRANTY**  
**APPROVED.**  
**PERIOD.**

# GENERATOR PARTS 13-1

	<b>Assembly, Regulator, Power</b>		84132GS	
	<b>Brush Assembly/ Rectifier Holder</b>	Fits all direct excited generators	91825GS	
	<b>Circuit Breaker 20 Amp</b>	Used on most generators	75207GS	
	<b>Fuel Valve</b>	Used on most metal tanks	310573GS	
	<b>Outlet, 120V</b>	Plastic, snap-in receptacle used to operate 120 volt, 60 Hz single phase loads requiring 1,800 watts at 15 amps of current	66818GS	
	<b>Brush Assembly Holder</b>	Fits non-direct excited systems	66386GS	
	<b>Battery charger</b>	Used on units with electric starts	B4177GS	
	<b>Fuel Gauge Cap, 7 Gallon</b>	Fits 7 gallon plastic fuel tanks on generators	B4363GS	
	<b>Fuel Valve Service Kit</b>	Fuel valve and brushing allows control of fuel flow to carburetor, turn OFF for transport and storage, fits most plastic fuel tanks	192980GS	
	<b>Oil Filter</b>		70185GS	
	<b>Voltage Regulator</b>		205858GS	
	<b>High Endurance Pump Oil</b>	15 fl. oz. Premium full synthetic oil for maximum pump life & protection	6033	Case Pack Qty - 4

# 13-2 PRESSURE WASHER ACCESSORIES

	<b>Wood Surface Cleaner Concentrate</b>	32 fl. oz. (946ml) - Concentrated, makes 4 gallons of cleaner	6065	Case Pack Qty - 6
	<b>Vehicle/Boat Wash Concentrate</b>	32 fl. Oz.	6067	Case Pack Qty - 6
	<b>Pump Saver</b>	9 oz. - protects against freezing for safe, cold weather storage. Provides longer pump life, maintains seals & pistons, prevents harmful buildup of hard water mineral deposits in pump.	6151	Case Pack Qty - 6
	<b>Pump Saver</b>	4 oz. can Protects against freezing; For safe, cold weather storage. Provides longer pump life; Maintains seals & pistons. Prevents harmful buildup of hard water mineral deposits in pump	6039	Case Pack Qty - 6
	<b>Heavy Duty Degreaser Wash</b>	32 fl. oz. (946ml) - Concentrated, makes 4 gallons of cleaner	6066	Case Pack Qty - 6
	<b>Multi-Purpose Wash Concentrate</b>	32 fl. oz.	6068	Case Pack Qty - 6
	<b>Second Story Nozzle Kit</b>		6177	Case Pack Qty - 4
	<b>Surface Cleaner</b>		6178	Case Pack Qty - 4
	<b>25' Replacement/Extension</b>		6189	Case Pack Qty - 4
	<b>30' Replacement Hose</b>		6188	Case Pack Qty - 4
	<b>50' Replacement/Extension Hose</b>		6192	Case Pack Qty - 4

Power Products Parts

Pressure Washer Accessories

# PRESSURE WASHER ACCESSORIES 13-3

		<b>Garden Hose Quick Connect Kit</b>		6190	Case Pack Qty - 4
		<b>High Pressure Hose Quick Connect Kit</b>		6191	Case Pack Qty - 4
		<b>Quick Connect Spray Tips</b>		6193	Case Pack Qty - 4
		<b>Quick Connect Turbo Nozzle</b>	3000 PSI*	6195	Case Pack Qty - 4
		<b>5-in-1 Nozzle</b>		6197	Case Pack Qty - 4
		<b>Spray Gun</b>	3000 PSI*	6200	Case Pack Qty - 4
		<b>Soft-Grip Spray Gun</b>	3800 PSI*	6201	Case Pack Qty - 4
		<b>Adjustable Spray Wand</b>		6202	Case Pack Qty - 4
		<b>Heavy Duty Turbo Wand</b>	3000 PSI*	6203	Case Pack Qty - 4
		<b>33" Quick Connect Spray Wand</b>	For pressure washers up to 4000 PSI*. Connects to male M22 x 1.5 spray gun fittings. 33" long. Quick Connect fittings for easy connection to spray tips or other accessories	6204	Case Pack Qty - 4
		<b>9 ft. Extension Wand</b>	3-piece wand extension kit	6206	Case Pack Qty - 4

\*Pressure washers are rated in accordance to the Pressure Washer Manufacturer Association (PWMA) standard PW101 (Testing and Rating Performance for Pressure Washers)

# 13-4 PRESSURE WASHER ACCESSORIES

		<b>20" Quick Connect Spray Wand</b>	For pressure washers up to 3200 PSI*. Connects to male M22 x 1.5 spray gun fittings. 20" long . Quick Connect fitting for easy connection to spray tips or other accessories	6205	Case Pack Qty - 4
		<b>Dual Action Brush</b>	Cleaning brush with rotating bristles Hooks directly to the spray gun	6208	Case Pack Qty - 4
		<b>Pump Hose Quick Connect Kit</b>	Accessory which allows quick disconnections to the unit and the high pressure hose	6216	Case Pack Qty - 4
		<b>Project Pro® Spray Tips</b>		6194	Case Pack Qty - 4
		<b>Quick Connect Turbo Nozzle</b>	4000 PSI*	6196	Case Pack Qty - 4
		<b>O-Ring Replacement Kit</b>		6198	Case Pack Qty - 4
		<b>Cleaning Solution Siphon Hose &amp; Filter</b>		6214	Case Pack Qty - 4
		<b>Multi-Purpose Brush Kit</b>	Package includes: Rotating brush. Utility brush, 3 adapters to fit most gas & electric pressure washers up to 2650 PSI	6057	Case Pack Qty - 2
		<b>HydroFoam™ Wash</b>	24 fl. oz. Concentrated foam wash; To be used with the HydroFoam™ Launcher. Makes 1 gallon of cleaner; Cleans 4 average cars or 800 sq. ft. of siding, docking and concrete	6092	Case Pack Qty - 6
		<b>Oil</b>	5.3 oz- synthetic	190585GS	
		<b>Oil</b>	4.6 oz bottle of oil - mineral	190586GS	

\*Pressure washers are rated in accordance to the Pressure Washer Manufacturer Association (PWMA) standard PW101 (Testing and Rating Performance for Pressure Washers)

# PRESSURE WASHER ACCESSORIES - PARTS 13-5

	<b>Aluminum Water Inlet Kit</b>	Used on some small frame pumps	190632GS
	<b>Chemical Injector Set, SS</b>	Fits most models	190593GS
	<b>1/4 x 25', M2 Hose</b>		19620
	<b>Pump Assembly Kit</b>	Used on small frame pumps	206376GS
	<b>Unloader Kit</b>	Used on earlier style small frame pumps	187879GS
	<b>Aluminum Water Outlet Kit</b>	Fits small frame pumps	190634GS
	<b>Fuel Valve Service Kit</b>	Fuel valve and brushing. Allows control of fuel flow to carburetor, turn OFF or transport and storage, fits most plastic fuel tanks	192980GS
	<b>2700 PSI Gun, AL</b>	Used on commercial style pumps up to 3200 PSI*	319853GS
	<b>1/4 x 30' Hose</b>		196138GS
	<b>Seal Kit Set</b>	Used on some medium frame pumps	190595GS
	<b>Unloader Manifold</b>	Fits small frame pumps	190627GS
	<b>Valve Check Kit</b>	Used on some small frame pumps	190591GS

\*Pressure washers are rated in accordance to the Pressure Washer Manufacturer Association (PWMA) standard PW101 (Testing and Rating Performance for Pressure Washers)

# 13-6 PRESSURE WASHER PARTS



	<b>HI-LO Wand Assembly, AL</b>	Adjustable wand rated to 2100 PSI*	205015CGS	
	<b>Pressure Washer Pump</b>	Vertical shaft, axial cam, 7/8" shaft with 3/16" keyway, thermal relief & chemical injection. Uses a ring style mount, M22 x 1.5 high pressure and 3/4" garden hose connections	206383GS	
	<b>Pressure Washer Pump</b>	Vertical shaft, axial cam, 7/8" shaft with 3/16" keyway, thermal relief & chemical injection. Uses a standard flange mount, M22 x 1.5 high pressure and 3/4" garden hose connection	20707365GS	
	<b>Valve Check Kit</b>	Used on current small frame pumps	193806GS	
	<b>Pressure Washer Gun</b>	3800 PSI* Automatic trigger lock. Fits all hoses, wands and accessories with M22 x 1.5 inlet & outlet fittings	199990GS	
	<b>Garden Hose Filter</b>	Plain weave, stainless steel wire mesh. Protects pressure washer pump by filtering debris at pump inlet	B2384GS	

Power Products Parts

Pressure Washer Parts

\*Pressure washers are rated in accordance to the Pressure Washer Manufacturer Association (PWMA) standard PW101 (Testing and Rating Performance for Pressure Washers)



# BELTS 14-1

	<b>Drive Belt</b>	30-38 & 40 gear & 50 gear drive LT pan frame tractors 30-40-42-46 & 48 decks w/ Peerless hydro drives	037X61MA
	<b>Blade Belt</b>	38" deck, new models since 1989	037X63MA
	<b>Blade Belt</b>	42" cut decks 1993	037X75MA
	<b>Drive Belt</b>	Fits Model 42516X92B	037X87MA
	<b>Blade Belt</b>	42" cut decks 1993	037X89MA
	<b>Blade Belt</b>	40" cut LT tractors, new models since 1989 w/side discharge	037X62MA
	<b>V-Belt (Deck)</b>	Blade drive belt, fits 42" hydro tractor	037X88MA
	<b>Blade Drive Belt</b>		37X111MA
	<b>Drive Belt</b>		742552MA
	<b>Auger Belt</b>		742550MA
	<b>21" Blade</b>	Combination blade, 21" mower deck, replaces 71584E701, 71584-853, 71161E701	2028
	<b>20" Blade</b>	20" Mulching blade, center hole round (.406")	471548MA

Murray Parts  
Belts

# 14-2 BLADES

		<b>40" Blade</b>	Combination 2 blade set. Replaces 95103E701, 56251E701, 92544E701, 456251, 95103-853	2029	
		<b>20" Blade</b>	Combination blade, replaces 672763E701, 671921E701	2031	
		<b>30" Blade</b>	Combination Mulch/Bag/Discharge Blade, replaces 1401079	77010793MA	
		<b>36" Blade Set</b>	Combination Mulch/Bag/Discharge, 2 blade set, replaces 54390E701, 54390HT, 24116HT, 2090HT	454390MA	
		<b>46" Blade Set</b>	Combination 3-Blade set, mulching blade, replaces 056631E701, 656631	2053	
		<b>22" Blade</b>	Combination blade, 22" mower deck, replaces 1101120E701, 672735E701, 71849E701, 71499E701, 71113E701, 671849-853	2030	
		<b>42" Blade</b>	2 blade set, replaces 95100E701, 95100-853. 56252E701, 92545E701, 456252	2027	
		<b>38" Blade</b>	Combination Mulch/Bag/Discharge, 2 blade set, replaces 95104E701, 92543E701, 56250E701 Round hole (.852")	4951043MA	
		<b>30" Blade</b>	Combination Mulch/Bag/Discharge blade, replaces 56217E701	4562173MA	
		<b>Blade Adapter Kit</b>	Assembly for Murray riding mowers with splined mandrel(s)	491926MA	Case pack Qty. - 20
		<b>Idler Pulley</b>	For Murray blade and motion drive idler systems, 42 Series Motion Drive Assembly	420613MA	Case pack Qty. - 24

Murray Parts

Blades

# MOWER/TRACTOR/SNOW THROWER PARTS 14-3

		<b>Idler Pulley</b>	Packaged part same as Murray 91891. For belt engagement pulley: 28, 40, 42 & 46	774089MA	Case pack Qty. - 10
		<b>Shear Bolt Kit</b>	For 22"-29" snow throwers with 10"-12" augers	500026MA	Case pack Qty. - 10
		<b>Shear Bolt Kit</b>		1501216MA	Case pack Qty. - 100
		<b>Splined Mandrel Kit</b>	Assembly for Murray riding mowers, 7.03" splines jackshaft	774091MA	Case pack Qty. - 10
		<b>Blade Adapter</b>	For riders	690411MA	Case pack Qty. - 100
		<b>Idler Pulley Kit</b>	Flat/backside idler pulley	421409MA	Case pack Qty. - 10
		<b>Jackshaft Assembly (Mandrel Housing)</b>	Assembly for all Murray riding mowers using a blade adapter	492574MA	Case pack Qty. - 10
		<b>Shear Bolt Kit</b>	For 27"-33" snow throwers with 16" augers	500027MA	Case pack Qty. - 10
		<b>Splined Mandrel Kit (Long-Fine Splines)</b>	Assembly for Murray riding mowers, 7.89" jackshaft threaded and splined	491922MA	Case pack Qty. - 10
		<b>Flat/Backside Idler Pulley</b>	Replaces 23238	423238MA	Case pack Qty. - 14
		<b>Shear Pin Kit</b>	Fits most snowthrowers, dual stage models from 2009 and prior.	742551MA	Case Pack Qty - 5

Murray Parts  
Mower/Tractor Parts

# 14-4 MOWER/TRACTOR/SNOW THROWER PARTS

		<b>Solenoid</b>	For all Murray electric start riders 1979 to present; replaces 24285, 9924285, 21261, 24466, 54743, 91291, 94613, 1002004	7701100MA	Case Pack Qty - 10
		<b>Wheel Bearing Set</b>		491334MA	Case Pack Qty - 10
		<b>Wheel, 8" x 2"</b>		1101433MA	Case Pack Qty - 10
		<b>Wheel, 8" x 2"</b>		774011MA	Case Pack Qty - 5
		<b>Wheel, 8" x 2"</b>	Drive wheel - front wheel drive mowers	672441MA	

# DEALER MERCHANDISE DISPLAYS 15-1

## DO YOUR CUSTOMERS KNOW YOU CARRY THE NUMBER ONE BRAND IN POWER?

Signage is a critical element in a successful retail environment. Briggs & Stratton signage associates your dealership with the number one industry brand and lets your customers know whom to contact when service is required.

Don't delay; contact your Distributor today for ordering details!



### 3-Tier Metal Engine Stand

Dimensions: 28" width x 48" height x 18" depth, sturdy metal frame, center holes for vertical engine models, side wire-frames for brochures. (See 17-53 Literature Section for brochures). **AM-9500**



#### MS3489

Tune It Up Maintenance Guide



#### MS5146

Engine Maintenance & Tune-Up Guide



### Free Standing Unit w/ Perforated Header

Dimensions: 48" width x 86" height x 14" depth. Display is constructed of powder-coated metal. Dimensional, screen-printed, stamped aluminum sign and adjustable shelves. Wire grid wall merchandises pegged product. Hooks are included. **AM-9502**



### Slat Wall Display w/ Perforated Header\*

Panel Dimensions: 72" height x 11.75" depth, Header Dimensions: 15" height x 31" width. Dimensional, screen-printed, stamped aluminum sign. Panels are made of durable vinyl. Hooks are not included. **AM-9501**

\*While supplies last

## Promote GOOD ENGINE HEALTH



### Engine Health Display

This three-shelf display helps educate your customers on the key parts and products needed to maintain good engine health and keep their equipment running smoothly. With its ease of assembly and small footprint, this display is perfect for any size dealership. Parts sold separately. **AM-9506A**



### Advanced Formula Fuel Treatment & Stabilizer Counter Display 100126

### Advanced Formula Fuel Treatment & Stabilizer™ Kit

This Sales Kit will help you to educate your customers on the importance of treating the fuel in their outdoor power equipment with Briggs & Stratton Advanced Formula Fuel Treatment and Stabilizer™. **AM-3039**

Dealer Merchandise



# 15-2 SIGNS - BANNERS - FLAG - COUNTER MAT

	<b>Briggs &amp; Stratton® Aluminum Sign</b>	Size 36" x 24", available for all service accounts	AM-9873A
	<b>Briggs &amp; Stratton® Authorized Service Center Aluminum Sign</b>	Size 36" x 24", available for all authorized sales & service accounts	AM-9951
	<b>Briggs &amp; Stratton® Commercial Power, Aluminum Sign</b>	Size 36" x 24"	AM-9954
	<b>The Power Within™ Banner</b>	Size 48" x 28"	AM-3006A
	<b>Commercial Power Banner</b>	Size 48" x 28"	AM-9855
	<b>Flag</b>	Size 60" x 36"	AM-9903A
	<b>Repower Snow Banner</b>	Size 48" x 28"	AM-5003
	<b>Repower Green Banner</b>	Size 48" x 28"	AM-5004
	<b>Commercial Power Counter Mat w/Insert</b>	Size 21" x 16", can display an 8.5" x 11" special advertising offer, counter mat is made of scratch resistant vinyl, non-skid backer	AM-9856

Dealer Merchandise



# IDENTITY ITEMS 15-3

	<b>Authorized Sales Center Window Cling</b>	Size 15" x 10", cling is made of 7.5 mil. Clear vinyl with 10 pt. backer	AM-9950A
	<b>Counter Stool</b>	Size 15" dia. X 28.5 Hgt.	AM-9886A
	<b>Service Maintenance Tag</b>	Size 3.125" x 10"	MS4097
	<b>Briggs &amp; Stratton Floor Mat</b>	Size 24" x 36", poly-vinyl mat for indoor/outdoor use, treaded rubber surface for a sure-foot grip.	AM-5001
	<b>Large Angle Engine Counter Stand</b>	Size 10" x 12" footprint, for vertical engines 6 Gross HP† and up.	AM-9768
	<b>Neon Clock</b>	Size 14.75" diameter, clock illuminates when plugged into electrical outlet	AM-3021A
	<b>Pennant String</b>	Comes in 50' lengths, 25 pennants per string, for indoor/outdoor use.	AM-9905A
	<b>Starter Rope Dispenser</b>	Rope is included with the dispenser. Purchase rope on page 8-5.	AM-3031

Dealer Merchandise

† All power levels are stated gross HP at 3600 rpm per SAE J1940.



# 15-4 REPAIR FORMS & SUPPLIES



**Imprinted Repair Order Form**

**273181** - \$200.00 per 1,000  
**273189** - \$220.00 per 1,000 (With Laminate)  
 Log on to the Custom Marketing website, [www.briggsdealermarketing.com](http://www.briggsdealermarketing.com) (for user name and password call 1-800-480-9403). If you are already set up -  
 User Name: Your email address  
 Password: Your Briggs & Stratton dealer ID number

- Order Part No. 273181 for dealer imprints on Repair Order Form
- Order Part No. 273189 for dealer imprints on Repair Order Form with reinforced ID tag
- Allow three to four weeks for delivery of imprinted forms
- Minimum order quantity 1,000



**Imprinted Repair Tag**

**273279** - \$160.00 per 1,000  
 Log on to the Custom Marketing website, [www.briggsdealermarketing.com](http://www.briggsdealermarketing.com) (for user name and password call 1-800-480-9403). If you are already set up -  
 User Name: Your email address  
 Password: Your Briggs & Stratton dealer ID number

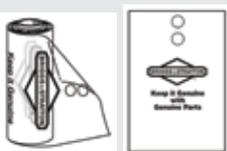
- Allow three to four weeks for delivery of imprinted tags
- Minimum order quantity 1,000



**Kraft Paper Bag**

#2 4-1/4" W x 8" H x 2-3/4" Deep **273427** - \$30.00 for 200  
 #4 5-1/4" W x 9-1/4" H x 3-1/4" Deep **273428** - \$32.00 for 200  
 #6 6" W x 11" H x 3-1/2" Deep **273429** - \$34.00 for 200  
 #8 6-1/8" W x 12-1/2" H x 3-7/8" Deep **273430** - \$36.00 for 200

- Natural unbleached kraft bag, ideal for genuine parts sales
- Imprinted with Briggs & Stratton logo featuring "Keep it Genuine with Genuine Parts"
- Minimum order quantity 200. Each carton contains five banded packages of 200.
- Available in four convenient sizes



**Poly Parts Bag**

8" x 12" **273182** - \$20.40 per roll  
 10" x 16" **273183** - \$23.45 per roll

- Heavy duty clear plastic bags on a convenient roll.
- Ideal for returning parts to customers.
- Two 3/4" punched holes for attaching to equipment
- 6" wire ties included
- Imprinted with B&S logo featuring "Keep it Genuine with Genuine Briggs & Stratton Parts"
- Minimum order quantity 5 rolls (1,000). Each carton contains five rolls of 200 bags per roll.
- Available in two convenient sizes



**Carton**

18" x 14" x 8" **273275** - \$42.50 for 25 cartons  
 13-3/4" x 10-1/4" x 9-1/8" **273276** - \$32.50 for 25 cartons  
 11-3/4" x 8-3/4" x 4-3/4" **273277** - \$33.75 for 25 cartons  
 17" x 14-1/2" x 12-3/4" **273278** - \$45.00 for 25 cartons

- 32# corrugated Kraft container that can hold up to 65 lbs.
- Imprinted with "Keep it Genuine with Genuine Parts"

Dealer Merchandise



# ENGINE MODEL NUMBER KEY 16-1

## YOUR KEY TO THE WORLD'S FINEST ENGINES

This chart explains the unique Briggs & Stratton numerical model designation system. It is possible to determine most of the important mechanical features of the engine by merely knowing the model number. Here is how it works:

- A. The first one or two digits indicate the approximate CUBIC INCH DISPLACEMENT.
- B. The first digit after the displacement indicates the BASIC DESIGN SERIES, relating to cylinder construction, ignition, general configuration, etc.
- C. The second digit after the displacement indicates ORIENTATION OF CRANKSHAFT.
- D. The third digit after the displacement indicates TYPE OF BEARINGS, and whether or not the engine is equipped with REDUCTION GEAR or AUXILIARY DRIVE.
- E. The last digit indicates the TYPE OF STARTER.

### BRIGGS & STRATTON MODEL NUMBERING SYSTEM

<u>A</u>	<u>FIRST DIGIT AFTER DISPLACEMENT</u> <u>B</u>	<u>SECOND DIGIT AFTER DISPLACEMENT</u> <u>C</u>	<u>THIRD DIGIT AFTER DISPLACEMENT</u> <u>D</u>	<u>FOURTH DIGIT AFTER DISPLACEMENT</u> <u>E</u>
<u>CUBIC INCH DISPLACEMENT</u>	<u>BASIC DESIGN SERIES</u>	<u>CRANKSHAFT ORIENTATION</u>	<u>PTO BEARING, REDUCTION GEAR, AUXILIARY DRIVE, LUBRICATION</u>	<u>TYPE OF STARTER</u>
2	0	0 to 4 - Horizontal Shaft	0 - Plain Bearing/DU Non-Flange Mount	0 - Without Starter
5	1	5 to 9 - Vertical Shaft	1 - Plain Bearing Flange Mounting	1 - Rope Starter
6	2	A to G - Horizontal Shaft	2 - Sleeve Bearing Flange Mounting Splash Lube	2 - Rewind Starter
8	3	H to Z - Vertical Shaft	3 - Ball Bearing Flange Mounting Splash Lube	3 - Electric Starter Only 110 or 230 Volt Gear Drive
9	4		4 - Ball Bearing Flange Mounting Pressure Lubrication	4 - Electric Starter/110 or 230 Volt Gear Drive with Alternator
10	5		5 - Plain Bearing Gear Reduction (6 to 1) CCW Rotation Flange Mounting	5 - Electric Starter Only 12 or 24 Volt Gear Drive
11	6		6 - Ball Bearing Gear Reduction (2 to 1) CCW Rotation	6 - Alternator Only
12	7		7 - Plain Bearing Pressure Lubrication	7 - Electric Starter 12 or 24 Volt Gear Drive with Alternator
13	8		8 - Plain Bearing Auxiliary Drive (PTO) Perpendicular to Crankshaft	8 - Vertical Pull Starter or Side Pull Starter
15	9		9 - Plain Bearing Auxiliary Drive Parallel to Crankshaft	9 - Mechanical Starter
16	A to Z		A - Plain Bearing Pressure Lubrication Without Oil Filter	A - Electric Starter 12 or 24 Volt Gear Drive with Alternator and Inverter
18				B - Lithium Ion Battery
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61				

EXAMPLE - To identify Model 303447:

<u>30</u>	<u>3</u>	<u>4</u>	<u>4</u>	<u>7</u>
30 Cubic Inch	Design Series 3	Horizontal Shaft	Ball Bearing Flange Mounting Pressure Lubrication	Electric Starter 12 or 24 Volt Gear Drive with Alternator

TYPE 1234-01, The type number identifies the engines mechanical parts, color of paint, decals, governed speed, and Original Equipment Manufacturer.

CODE 01061201, The code is the manufacturing date and is read as follows:

<u>YEAR</u>	<u>MONTH</u>	<u>DAY</u>	<u>ASSEMBLY LINE AND MANUFACTURING PLANT</u>
<u>01</u>	<u>06</u>	<u>12</u>	<u>01</u>

Revised 12/15



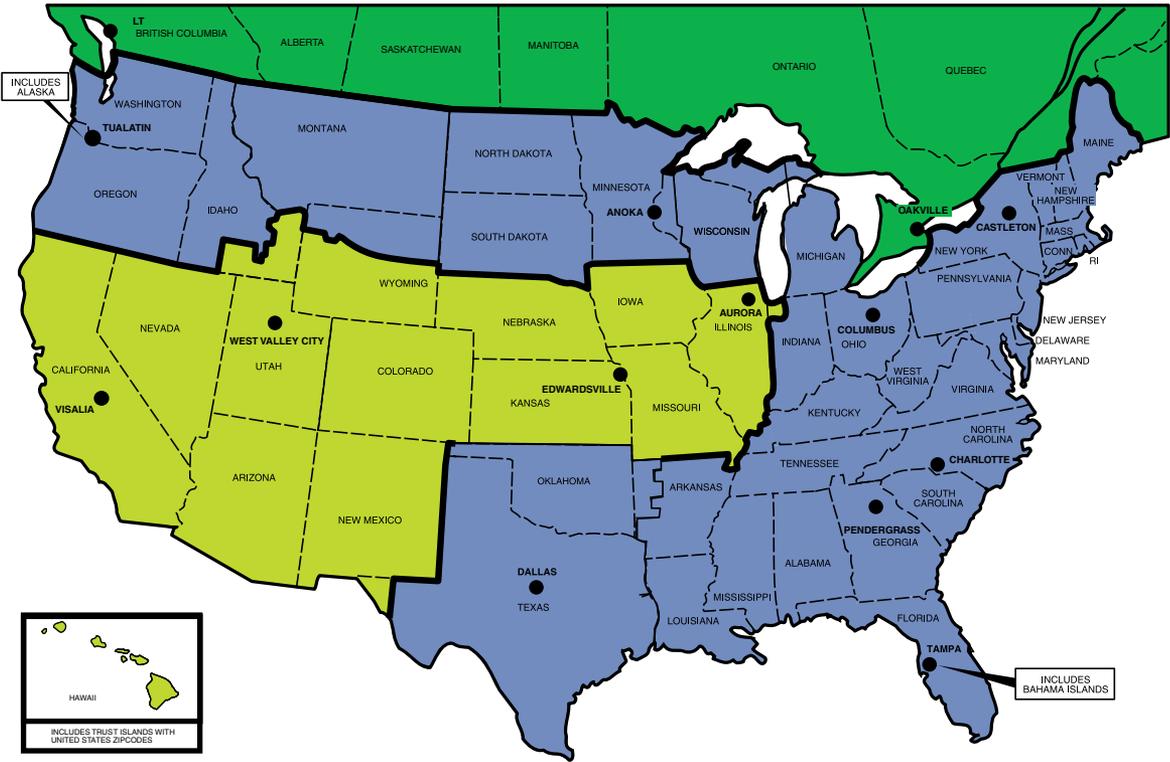
# 16-2 LITERATURE/REFERENCE MATERIALS

For possible exceptions, additional part numbers or information, please refer to Illustrated Parts Lists\*, Engine Sales Replacement Specifications MS-5568, Master Price List MS-7299 or Outdoor Cleaning with Pressure Washers 6037.

\*Available on ThePowerPortal.com free of charge

Part #	Literature
6037	<b>Outdoor Cleaning w/Pressure Washers:</b> 111 full color pages, step-by-step project guides, filled w/information to help you safely operate, properly maintain and effectively use your pressure washer, featuring Pat Simpson, Host of HGTV's Before and After. (Case of 6)
86262GS	<b>Portable Generator Familiarization &amp; Troubleshooting Guide</b>
190275GS	<b>Hand Held Generator Familiarity &amp; Troubleshooting Guide</b>
270962	<b>Single-Cylinder L-Head Engine Repair Manual:</b> 350 pages, "Our best seller" repair manual contains common specifications and detailed easy-to-follow instructions on how to adjust, tune up and repair most Briggs & Stratton 4-Cycle single cylinder L-head engines. Used by Authorized Briggs & Stratton Service Centers.
271172	<b>Twin-Cylinder L-Head Engine Repair Manual:</b> similar to 270962, except covers Briggs & Stratton L-head twin cylinder engines.
272144	<b>Vanguard™ Twin-Cylinder OHV Engine Repair Manual</b> for V-Twin overhead valve (OHV) engines. Model series 290400, 290700, 303400, 303700, 350400, 350700, 351400, 351700, 380400, 380700, etc.
272147	<b>Vanguard™ Single-Cylinder OHV Engine Repair Manual</b> for single cylinder overhead valve (OHV) engines.
273521	<b>Twin-Cylinder OHV Engine Repair Manual</b> for V-Twin overhead valve (OHV) engines. Model series 405700, 406700, 407700
275072	<b>Micro Engine Repair Manual</b>
275110	<b>5 HP Gasoline Outboard</b>
275429	<b>Vanguard™ 2-Cylinder Liquid-Cooled Manual</b>
277527	<b>700/750 Series™ DOV® Air-Cooled Engines</b>
276535	<b>2-Cycle Snow Engine Repair Manual</b>
276781	<b>Single Cylinder OHV Air-Cooled Engines</b>
B3277GS	<b>Pressure Washer Familiarization &amp; Troubleshooting Guide</b>
CE3086	<b>10KW &amp; 12KW Home Generator Systems:</b> Computer-Based Training Program
CE8006	<b>Service Tips &amp; Tools:</b> a collection of helpful service tips and tools from dealers to aid in servicing engines.
CE8020	<b>Small Engines Textbook:</b> 332 pages Hardbound, contains history of engine development, scientific principles of operation, troubleshooting, engine systems, engine applications, etc.
CE8034	<b>Major Engine Failure Analysis Booklet:</b> 47 pages, packed with color photos showing a variety of engine failures and how to properly analyze each as to what caused the failure.
CE8069	<b>Antique Repair Manual:</b> covers out of production engines built in years 1919-1981.
CE8155	<b>Small Engine and Equipment Maintenance Guide</b>
MP-5160	<b>The Legend of Briggs &amp; Stratton:</b> 208 pages, historical data, time lines, and classic photos which take you from 1908 to the present market place. This hard bound book is a must for every collector and enthusiast.
MS-0750	<b>Vanguard™ 3-Cylinder L/C Gasoline Manual</b>
MS-1055	<b>Vanguard™ 3-Cylinder L/C Diesel Manual</b>
MS-3489	<b>Tune It Up Maintenance Guide:</b> 24 per pack, for use with AM-9500 3-Tier Metal Engine Stand, pg. 17-1
MS-5146	<b>Engine Maintenance &amp; Tune-Up Guide:</b> 24 per pack, for use with AM-9500 3-Tier Metal Engine Stand, pg. 17-1
MS-5568	<b>Engine Sales Replacement Specifications</b>
MS-7299	<b>Master Price List</b>
MS-10391	<b>Advanced Formula Fuel Treatment &amp; Stabilizer Sell Sheet</b>
MS-10392	<b>Advanced Formula Fuel Treatment &amp; Stabilizer Tri-fold</b>

# AUTHORIZED DISTRIBUTION NETWORK 16-3



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 ■ MWE    
 ■ Power Source Canada

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 jbergmann@powersourcecanada.ca

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 Oakville, ON L6H 6X5  
**Mike Gulley**                      905-829-0006  
 mgulley@powersourcecanada.ca

Reference

1215





# CATALOG IMPROVEMENT FORM 16-5

In an effort to continually improve our literature and catalogs, we would appreciate a few moments of your time to complete this form and provide us with your suggestions and comments. When finished, fold it according to the directions on the back side and mail it back to us.

• Do you find this catalog easy to use? Yes\_\_\_\_ No\_\_\_\_

• What changes or additions would you like to see?

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Please list any additional parts, tools or accessories you would like featured in this catalog.

<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>	<u>Description</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Are you currently an Authorized Briggs & Stratton Dealer? Yes\_\_\_\_ No\_\_\_\_

If you are not an Authorized Briggs & Stratton Dealer, are you interested in becoming one? Yes\_\_\_\_ No\_\_\_\_

If yes, would you like to have a representative call you? Yes\_\_\_\_ No\_\_\_\_

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City/State/Zip\_\_\_\_\_

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