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OIL PRESSURE SWITCH
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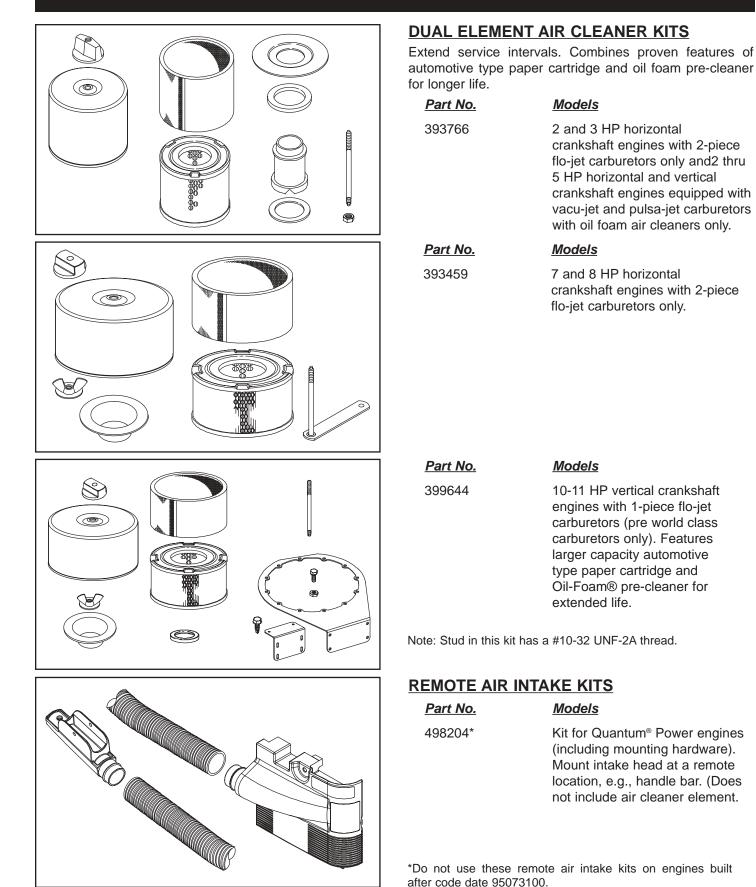
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NOTES

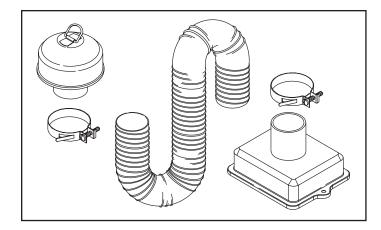
CAUTION: • Outlets on muffler deflectors must not point towards fuel tank, carburetor or air cleaner.

- Spark arresters are U.S. Forest Service approved.
 Muffler guards, labeled TUV in the illustrations, have passed European Safety Standards.
- Where part numbers of individual fasteners are shown, they must be ordered separately.
- See IPLs for other date codes, mounting hardware, P/Ns and specific parts replacement information.
- Because Briggs & Stratton engines power a wide range of equipment, space limitations or interference may prevent using an accessory on an application. Check equipment for potential interference before ordering any accessory.

AIR CLEANERS

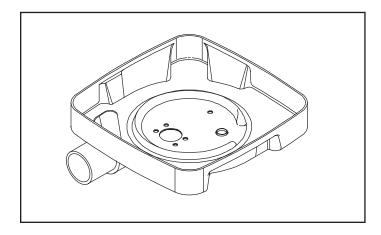


AIR CLEANERS



REMOTE AIR INTAKE KITS

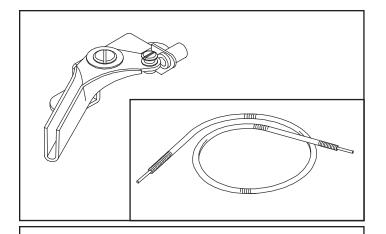
<u>Part No.</u>	<u>Mode</u>	ls
492206	Kit for 5 hp horizontal crankshaft engines equipped with air cleaner design as shown. Mount hood at a remote location.	
<u>Quantity</u>	<u>Part No.</u>	Description
1	494345	Tubing kit (3 ft/.9m hose and 2 hose clamps, part number 94489)
1	492178	Air cleaner cover
1	492179	Hood

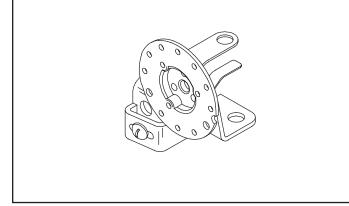


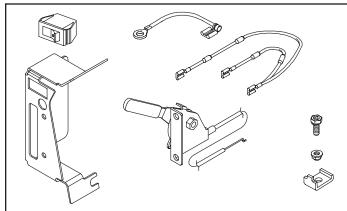
<u>Part No.</u>	<u>Models</u>
690909*	Air cleaner base for Model 294400, 303400 and 350400 Vanguard [™] V-Twin engine remote air cleaner. (Remote parts not supplied by Briggs & Stratton.)

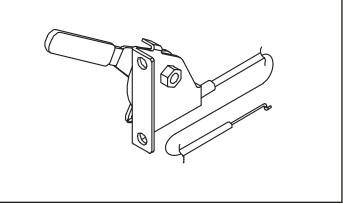
*Do not use these remote air intake kits on engines built after code date 95073100.

CONTROLS









THROTTLE CONTROLS

Part number 691028 speed control lever assembly. Order control wire and wire casing (inset) separately.

<u>Part No.</u>	<u>Description</u>	<u>Length</u>
691026	Control wire	78 inches
691025	Wire casing	72 inches
93907	Control wire	100 feet
93908	Wire casing	50 feet

Disc type throttle control allows for remote speed operation.

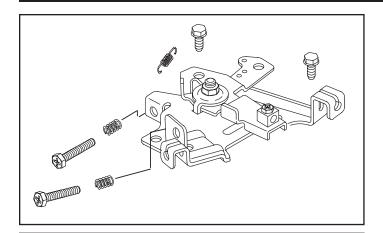
<u>Part No.</u>	<u>Models (horizontal crankshaft</u> and 2-piece flo-jet carburetor)
290062	80000 and 130000 with Float Feed Carburetor
291460	170000, 190000, 200000 and 2300002
299361	220000, 240000, 250000, 300000 and 320000
<u>Part No.</u>	<u>Models</u>
494052	Throttle control for Vanguard™

Throttle control for Vanguard[™] V-Twin horizontal crankshaft models. Includes panel, lever, control wire, rocker switch, decal and mounting hardware.

Speed control lever assembly for Vanguard[™] V-Twin horizontal crankshaft models.

<u>Part No.</u>	<u>Models</u>
692541	Lever-Control (Used with control lever and/or wire with a "Z" formed end).
692105	Lever-Control (Cable wire with an "L" formed end).

CONTROLS



REMOTE THROTTLE CONTROL BRACKET

<u>Part No.</u>

Models

Models

715295

Part No.

497201

Remote throttle control bracket for Vanguard[™] Model 115400 (control cable not supplied by Briggs & Stratton).

REMOTE CHOKE ADAPTER

Remote choke adapter kit for 170000, 190000, 220000 & 250000 Industrial Plus™ Engines. It includes a choke cable bracket, self-tapping screw, casing clamp and screw.

STANDARD MUFFLER DEFLECTORS

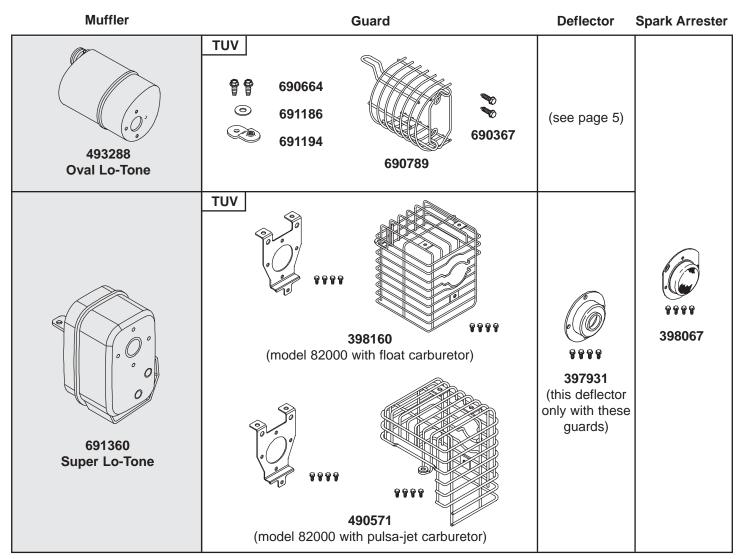
	R R R	O PPPP	PPP PPPP		P P
Engine Models	Side out Deflector	Direct out Deflector	Louvered Deflector	Louvered Deflector	Side out Deflector
60000, 80000, 90000, 100000, 110000, 120000	393760	397931	None	396548	393756
85400, 110400, 111400, 115400, 117400, 120400, 121400, 123400, 138400, 185400	393757	395700	393758	None	None
*130000, 170000, 190000	393757	395700	393758	None	None
220000, 230000, 235400, 240000, 245400, 250000, 280000, 290000, 300000, 311700, 320000, 350000, 380000, 400000, 420000	393761	396903	397630	None	None

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

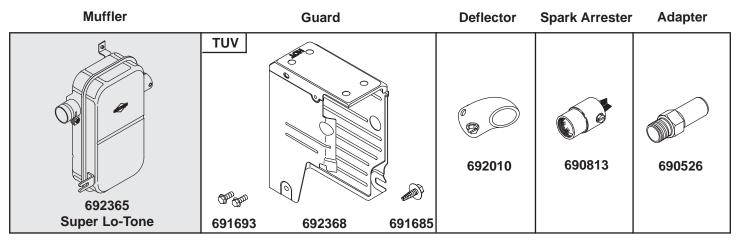
STANDARD MUFFLER LOCKNUTS & EXHAUST ELBOWS

		ţ.	Ø			Go
Engine Models	National Pipe Thread	Locknut	45°	90°	45 ^o Street Elbow	90º Street Elbow
0000 0000	1/2" (12 mm)	91811	None	Nege	None	91812 (60000 only)
60000, 80000, 90000, 110000	1/2" (13 mm)	691720	None	None	690291	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

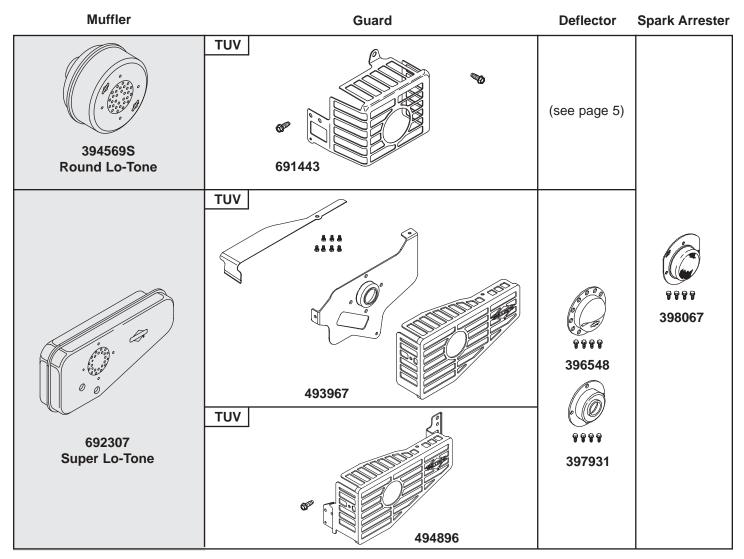
MODELS 60000, 80000, 90000 & 110000 HORIZONTAL CRANKSHAFT (1/2" OR 13 MM NPT)



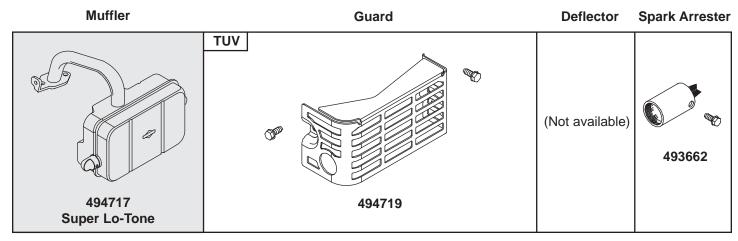
MODEL 93400 HORIZONTAL CRANKSHAFT



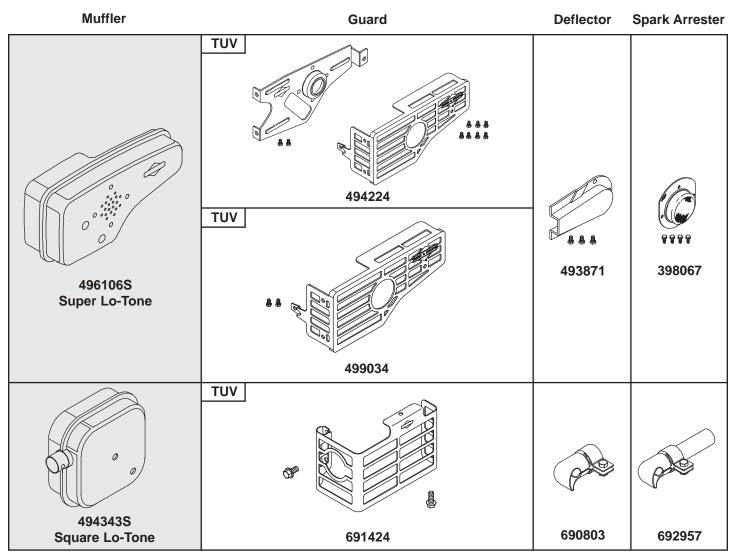
MODELS 90000, 10A900 & 110000 VERTICAL CRANKSHAFT (1/2" OR 13 MM NPT)



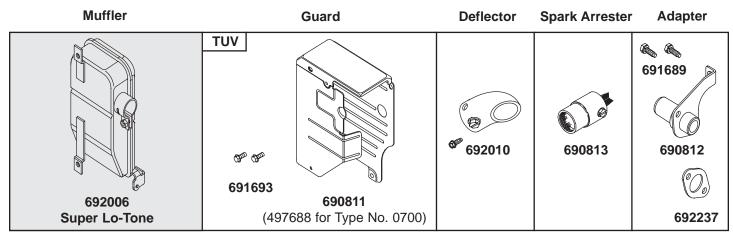
MODEL 99700 VERTICAL CRANKSHAFT



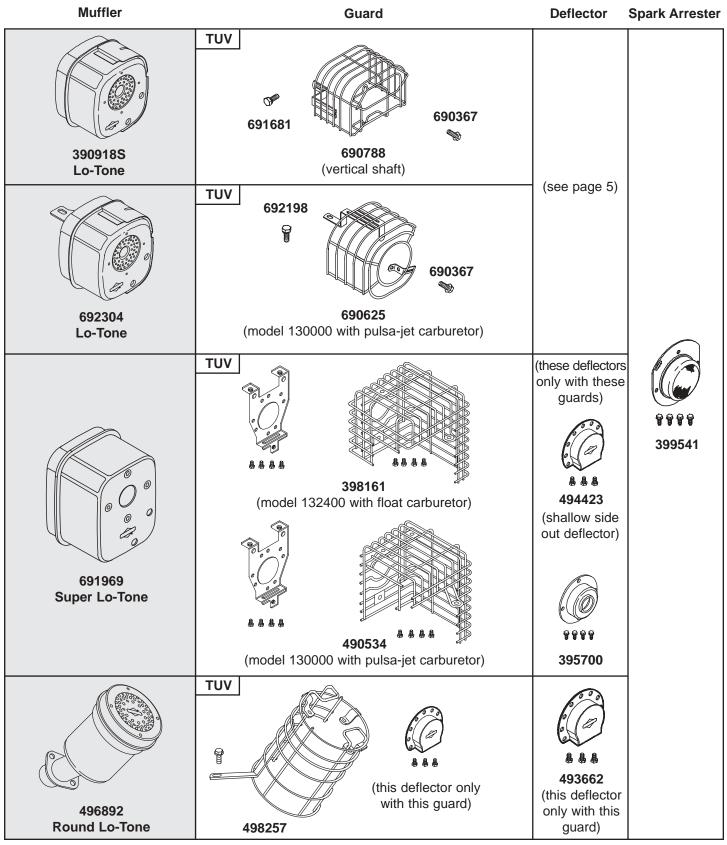
QUANTUM® MODELS 100000 & 120000 VERTICAL CRANKSHAFT



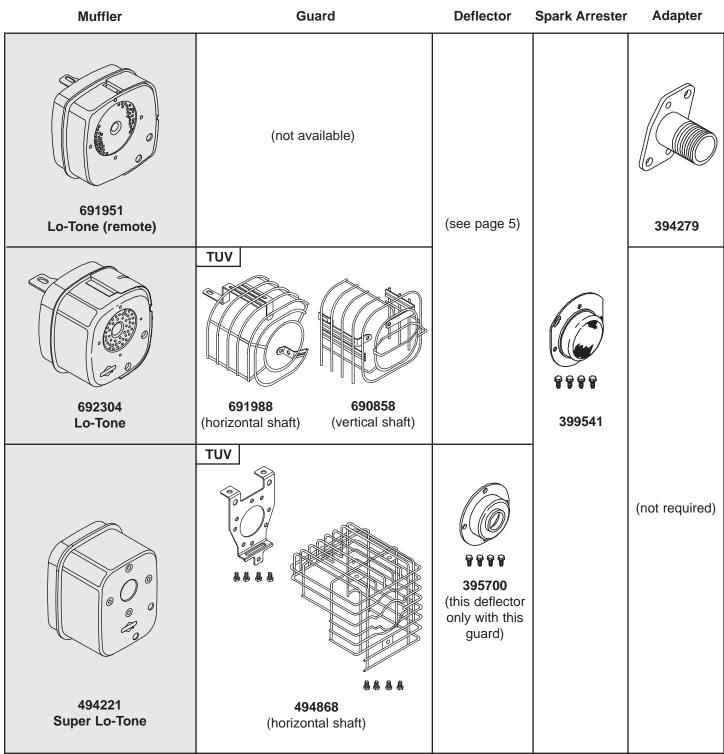
MODEL 133400 HORIZONTAL CRANKSHAFT



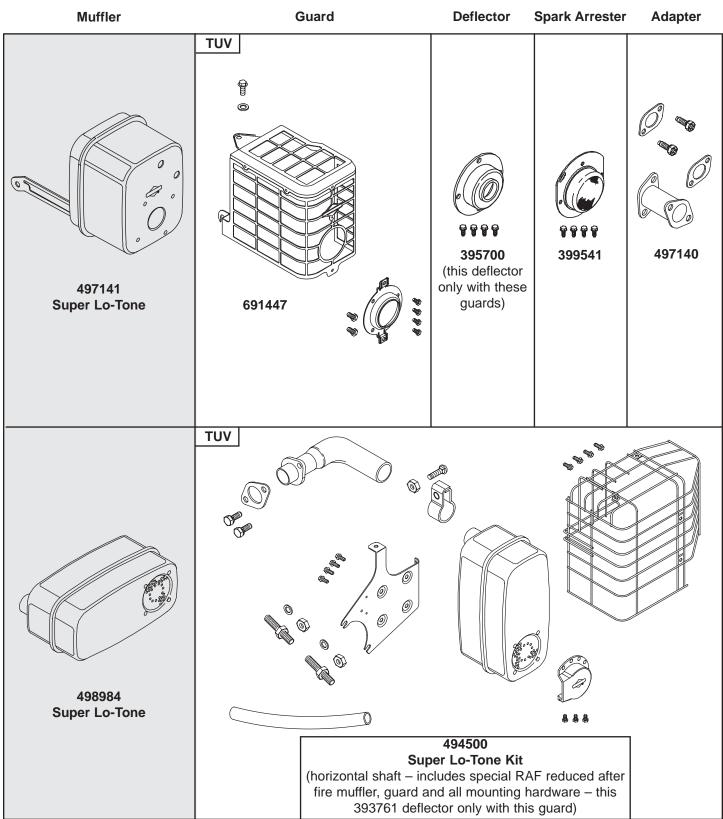
MODEL 130000 HORIZONTAL & VERTICAL CRANKSHAFT (3/4" OR 19 MM NPT)



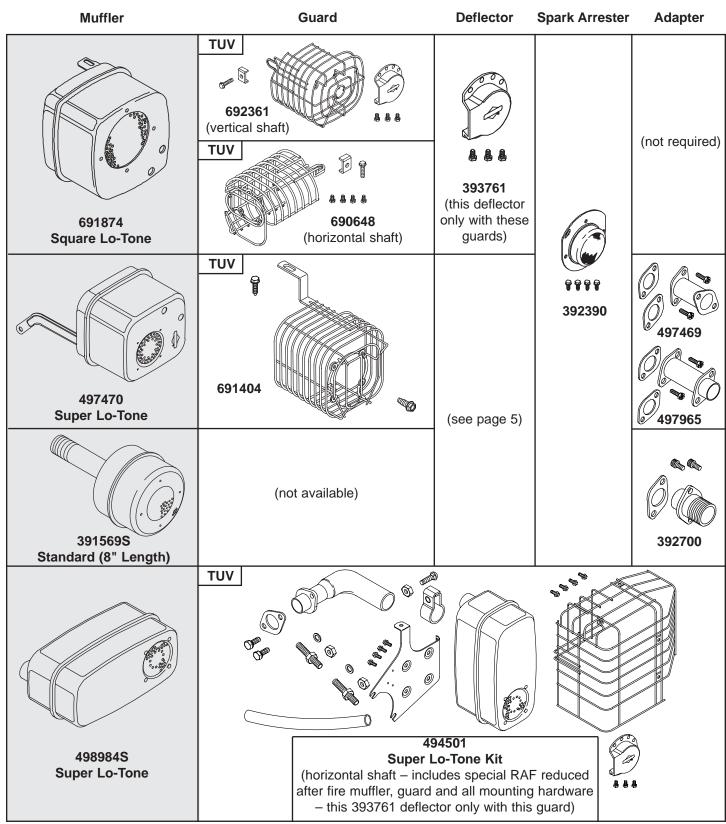
MODELS 170000 & 190000 HORIZONTAL & VERTICAL CRANKSHAFT (3/4" OR 19 MM NPT)



MODEL 190000 HORIZONTAL CRANKSHAFT (3/4" OR 19 MM NPT)



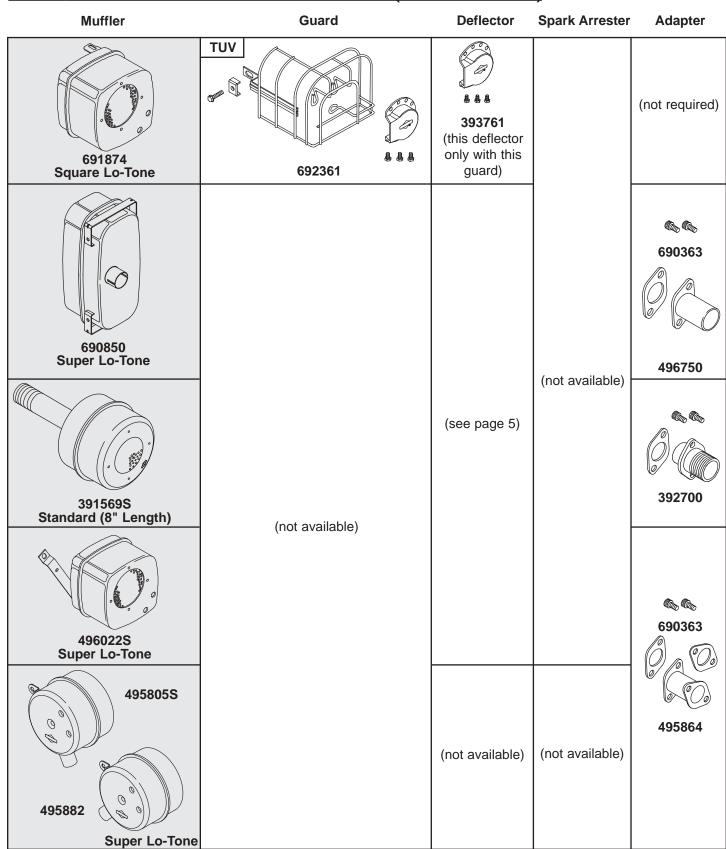
MODELS 220000 & 250000 HORIZONTAL & VERTICAL CRANKSHAFT (1" OR 25 MM NPT)



MODELS 230000, 240000 & 320000 (CAST IRON) HORIZONTAL CRANKSHAFT (1" OR 25 MM NPT)

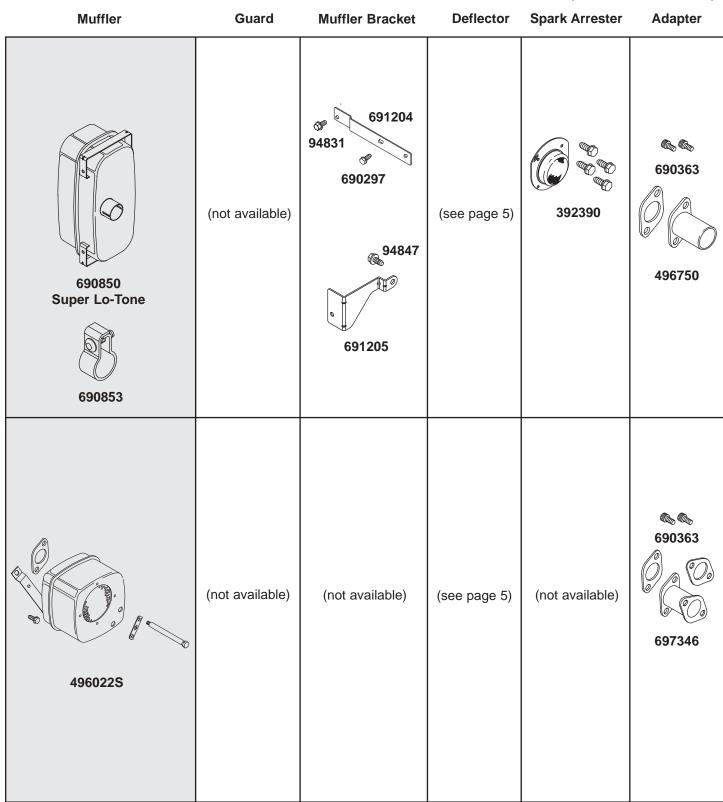
Muffler	Guard	Deflector	Spark Arrester	Adapter
399635 Square Lo-Tone (remote)				9 9 9 9 9 9 9 4 584
299477S Standard (7" Length)	(not available)	(see page 5)	392390	e e
393232 Standard (11" Length)				392700

MODEL 280000 L-HEAD VERTICAL CRANKSHAFT (1" OR 25 MM NPT)

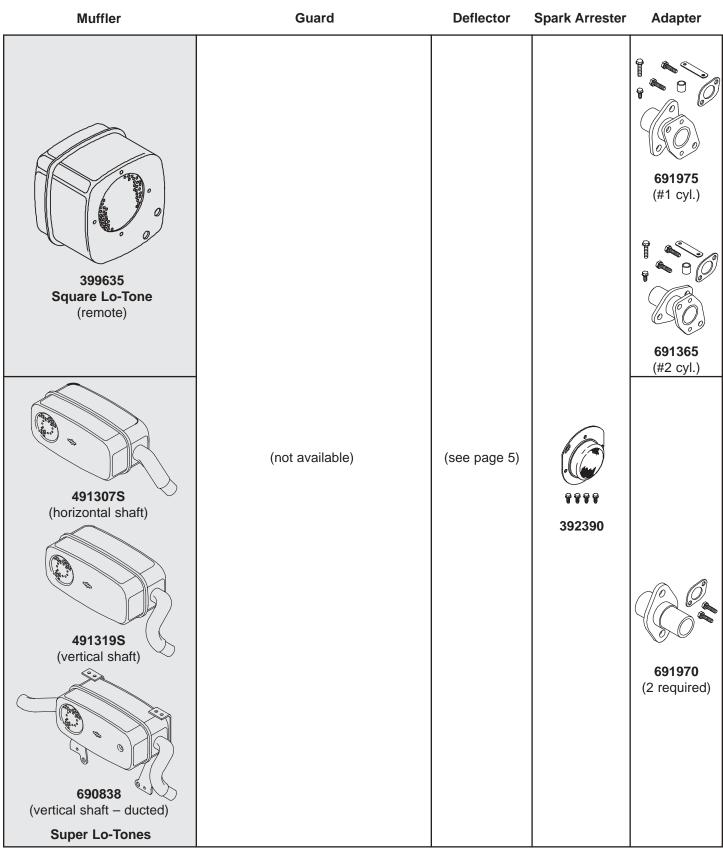


EXHAUST					
MODELS 28AH00, 28CH0	<u>0, 31G700 OH</u>	V VERTICAL CR	ANKSHAFT	NEW	
Muffler	Guard	Muffler Bracket	Deflector	Spark Arrester	Adapter
697349	(not available)	(not available)	393761	(not available)	690363 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MODEL 28N700 OHV, VEI	RTICAL CRAN	KSHAFT NEW	N		
Muffler	Guard	Muffler Bracket	Deflector	Spark Arrester	Adapter
498984S	(not available)	(not available)	393761	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(not available)
496022S	(not available)	(not available)	393761	888 8888 392390	397346
495882	(not available)	(not available)	(not available)	(not available)	397346
	(not available)	(not available)	(not available)	(not available)	397346
495805S	(not available)	(not available)	(not available)	(not available)	397346

MODELS 28P700, 28Q700, 311700, 312700 OHV VERTICAL CRANKSHAFT (1" OR 25 MM NPT)

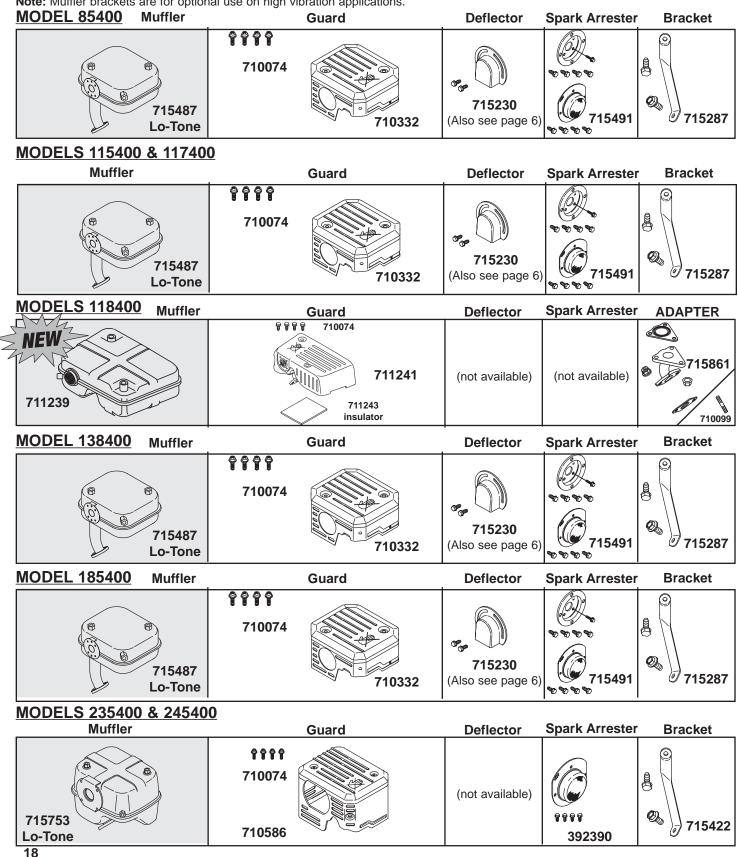


MODELS 400000 & 420000 VERTICAL & HORIZONTAL CRANKSHAFT (3/4" OR 19 MM NPT)

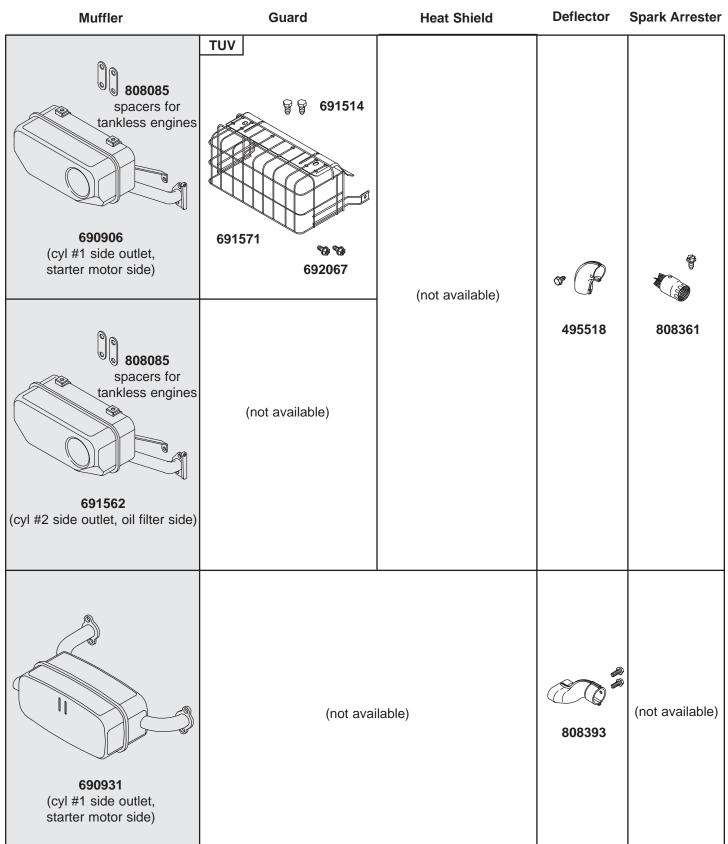


VANGUARD[™] MODELS (Single Cylinder) HORIZONTAL CRANKSHAFT

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

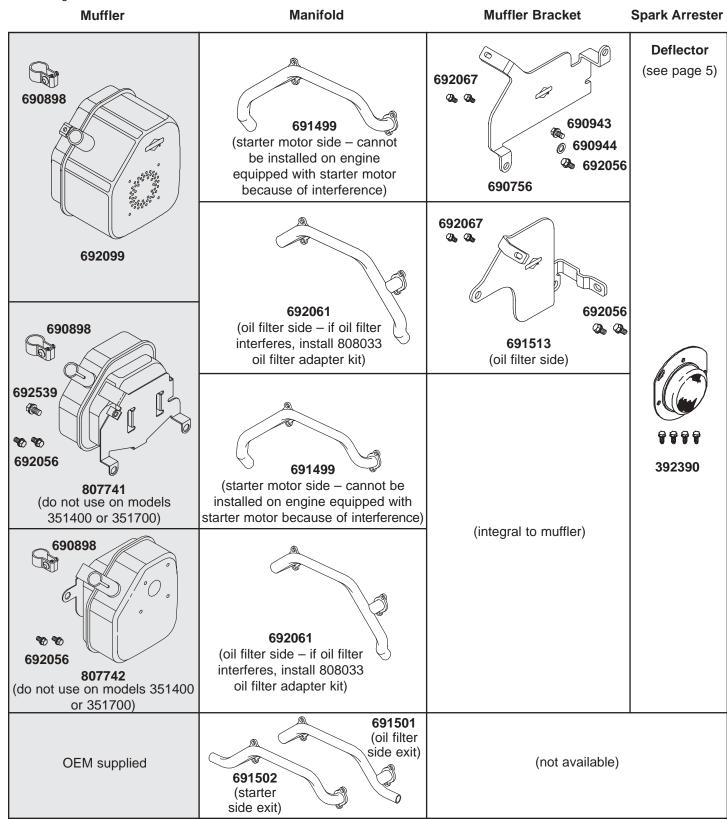


VANGUARD™ MODELS 290000, 300000 & 350000 HORIZONTAL CRANKSHAFT



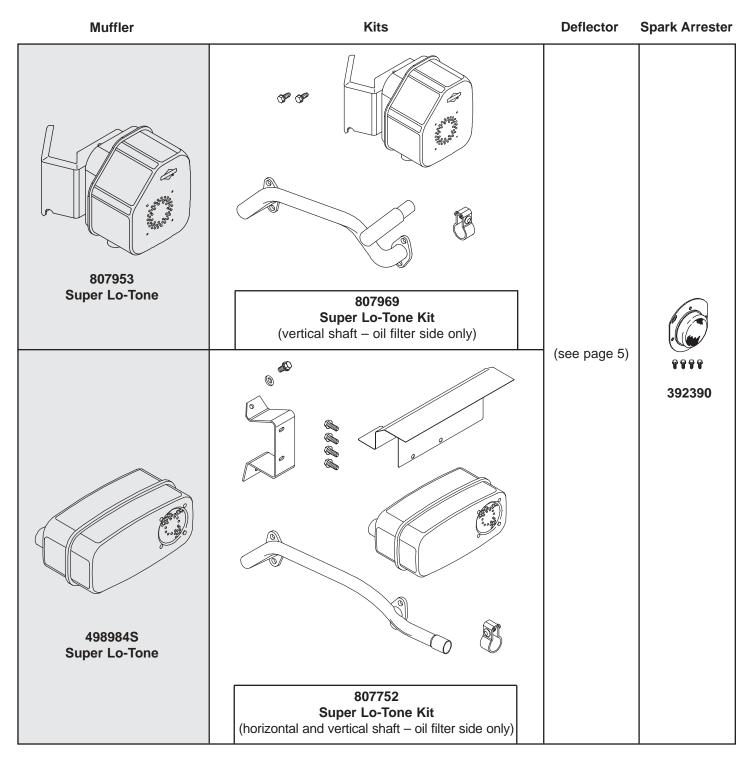
VANGUARD™ MODELS 290000, 300000 & 350000 HORIZONTAL & VERTICAL CRANKSHAFT

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



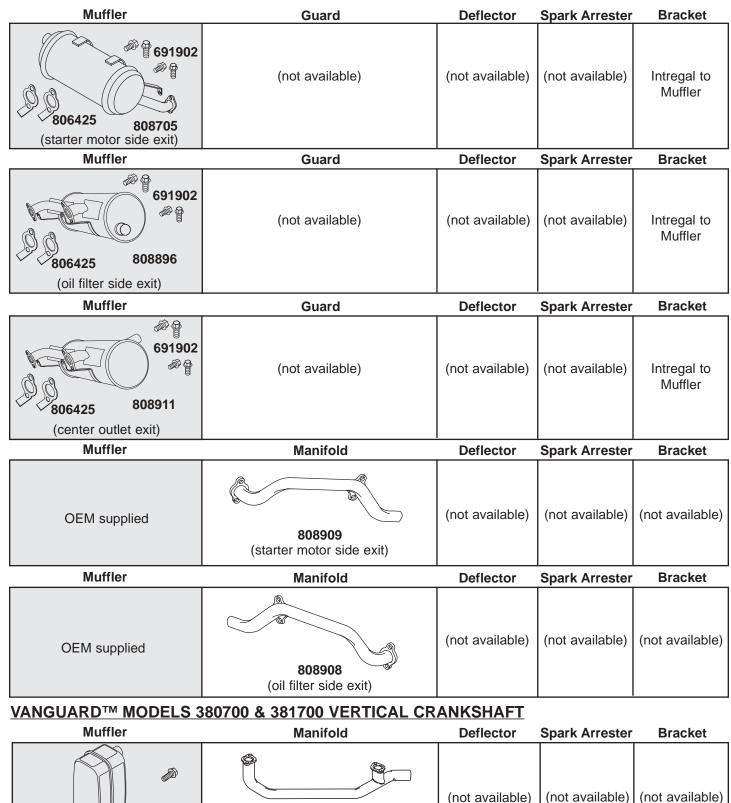
VANGUARD™ MODELS 290000, 300000 & 350000 HORIZONTAL & VERTICAL CRANKSHAFT

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



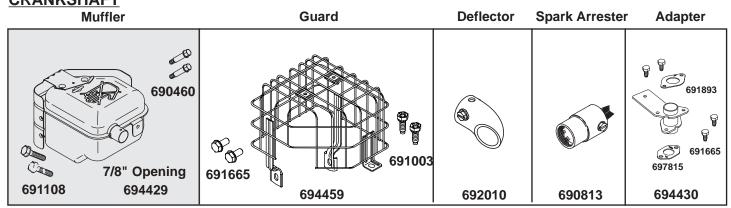
VANGUARD™ MODELS 380400 & 381400 HORIZONTAL CRANKSHAFT

808916



498984S

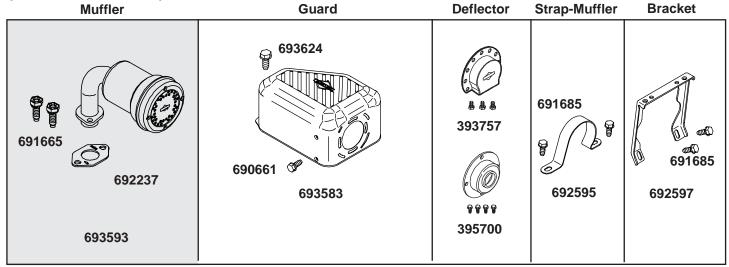
INTEK™ MODELS 110400, 111400, 121400, 123400 (SINGLE CYLINDER) HORIZONTAL CRANKSHAFT



INTEK™ MODELS 121400, 123400, 124400, 126400, 127400, 128400 (SINGLE CYLINDER) HORIZONTAL CRANKSHAFT

Muffler	Guard	Deflector	Spark Arrester	Adapter
1-3/8" Opening 697813		697816	697817	

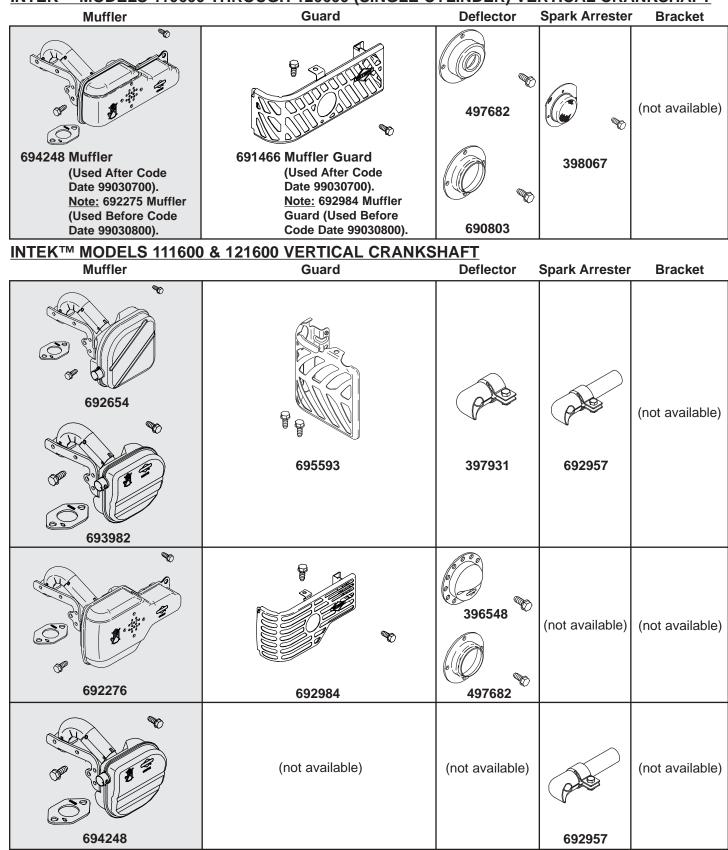
INTEK[™] MODELS 110400, 111400, 120400, 121400 after date code 98071900, & 123400 (SINGLE CYLINDER) HORIZONTAL CRANKSHAFT



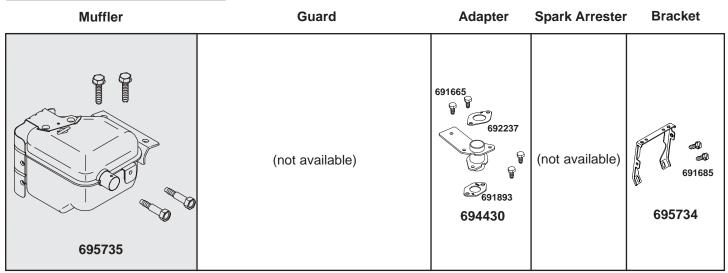
INTEK[™] MODELS 121400 (SINGLE CYLINDER) HORIZONTAL CRANKSHAFT (before date code 98072000)

•	Muffler	Guard	Deflector	Spark Arrester	Adapter
- C	692580	(not available)	393757	(not available)	692548

INTEK™ MODELS 110600 THROUGH 126600 (SINGLE CYLINDER) VERTICAL CRANKSHAFT



INTEK[™] MODELS 12A400, 12B400, 12C400, 12D400 (SINGLE CYLINDER SNOW ENGINE) HORIZONTAL CRANKSHAFT

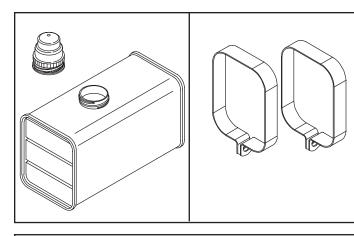


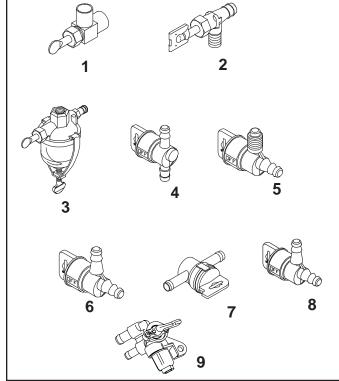
INTEK™ MODELS 204400, 205400, 206400 (SINGLE CYLINDER) HORIZONTAL CRANKSHAFT

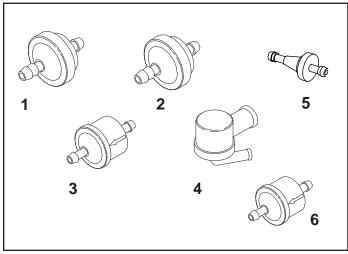
Muffler	Guard	Deflector	Spark Arrester	Bracket
695311	695386	(not available)	(not available)	(not available)

INTEK™ MODELS 405700, 406700, 407700 VERTICAL CRANKSHAFT

Muffler	Guard	Deflector	Spark Arrester	Bracket
692120	(not available)	(not available)	(not available)	Intregal to Muffler







FUEL TANKS FOR REMOTE MOUNTING

<u>Fuel Tank</u> <u>Capacity</u>	<u>Fuel Tank</u> and Cap	<u>Mounting Straps</u> (<u>2 Required)</u>
4 qt. (3.8 L)	290816 (metal) or 691993 (plastic	291367 c)
6 qt. (5.7 L)	291488 (metal)	691937
8 qt. (7.5 L)	292415 (metal)	691937

Note: See fuel shutoff valves/clamps and connectors below.

FUEL SHUT-OFF VALVES

<u>Ref. No.</u>	<u>Part No.</u>	Description
1	692302	Fuel tank outlet/shut-off valve
2	492649	Fuel shut-off valve
3	690612	Fuel filter/shut-off valve assembly for metal tank
4	494768	In-line fuel shut-off valve
5	399517	MAX engine fuel shut-off valve
6	494769	Quantum® Power engine fuel shut-off valve
7	692008	Fuel shut-off valve for V-Twin engines with 9 quart fuel tanks.
8	692586	Fuel shut-off valve used of select Intek™ models
9	715027	Fuel shut-off valve for 4, 5.5 & 9 HP Vanguard™

IN-LINE FUEL FILTERS

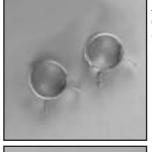
Part No.	Description
298090S	150 micron (red) – for gravity feed fuel systems.
394358S	75 micron (white) – for engines with fuel pumps.
691035	60 micron – for engines with fuel pumps.
808116S	12 micron – for V-Twin engines with 9 quart fuel tanks.
694485	75 micron – fuel filter for engines with fuel pumps
695666 (5070)	30 micron filter – Premium fuel filter for selected engines with fuel pump
	298090S 394358S 691035 808116S 694485 695666



FUEL LINE

23" (1/2" OD x 1/4" ID) Cut to Fit

296004

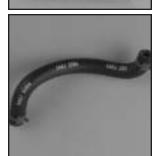


FUEL LINE CLAMPS

691038 Black ID .460" 95162S Green ID .490"

FUEL LINE CLAMP Use with 715125 Vanguard™ Fuel Line ID 13.2 MM

710067



FUEL LINE DISPLAY PACK Bulk 25' (1/2" OD x 1/4" ID) Cut to Fit 499742 Refill for Display Pack (25')

395051

FUEL LINE 3.5 & 5 HP Industrial Plus™ (Molded)

495218



FUEL LINE CLAMP Used with 715126 Vanguard[™] Fuel Line ID 10.5 MM

710075



FUEL LINE 4, 5.5 & 9 HP Vanguard[™] (Tank to Shut-off Valve) 8 mm OD x 470 mm (18-1/2") Cut to Fit

715125



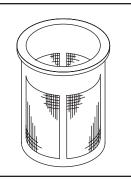
FUEL LINE 4, 5.5 & 9 HP Vanguard™ (Shut-off Valve to Tank) 4 mm OD x 220 mm (8-5/8") Cut to Fit

715126



TYGON™ BULK FUEL LINE

695540 Fuel Line 3/32" ID, 50 ft. 695541 Fuel Line 1/8" ID, 50 ft. 695542 Fuel Line .080" ID, 50 ft.

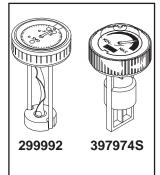


FUEL STRAINERS

Fuel strainers for the following horizontal crankshaft engines: Part No. Models (horizontal crankshaft) 710065 85400, 115400 &

18540 691370 190000, 235400, 245400 & V-Twin

engines with 9 quart fuel tanks.



FUEL GAUGES

Fuel gauge cap for 3.0, 3.5 and 4.0 HP vertical crankshaft engines equipped with one quart metal fuel tanks. 299992

Fuel gauge cap for Quantum® and Europa[™] engines. 397974S



SMART-FILL® FUEL CAN

Durable can with 2.5 gal. capacity. Spill-resistant nozzle opens only when inserted fully into tank, and shuts off automatically when tank is full.

100050 (100050A w/Display Header)



1-1/4 GALLON FUEL CAN Made of durable plastic. Holds up to 1-1/4 gallons of fuel. Spillresistant nozzle shuts off automatically when tank is full.

WCA-125 WCA-125P**



2-1/2 GALLON FUEL CAN

Made of durable plastic. Holds up to 2-1/2 gallons of fuel. Spillresistant nozzle shuts off automatically when tank is full.

WCA-225 WCA-225P**



5 GALLON FUEL CAN

Made of durable plastic. Holds up to 5 gallons of fuel. Spillresistant nozzle shuts off automatically when tank is full.

WCA-525 WCA-525P**

1-1/2 GALLON FUEL CAN Made of durable plastic. Holds up to 1-1/2 gallons of fuel.

W121*



2-1/2 GALLON FUEL CAN

Made of durable plastic. Holds up to 2-1/2 gallons of fuel.

W221*



5 GALLON FUEL CAN

Made of durable plastic. Holds up to 5 gallons of fuel.

W521*



2-COMPARTMENT 1-1/2 **GALLON GAS & 2-1/2** QUART OIL, FUEL CAN

Two cans in one, keep oil on one side, gas on the other side. Made of durable plastic.

W150*

JERRY CAN W/SPOUT -**5 GALLON**

5 gallon steel fuel can. Leak proof closure, internally treated lining to prevent rust formation.

WM521*

6 GALLON FUEL CAN

Made of durable plastic. Holds up to 6 gallons of fuel.

W611*

*Ordering information: Contact your Briggs & Stratton Central Sales and Service Distributor.

**The P suffix indicates that these containers have received a special surface treatment to significantly reduce pollution associated with gasoline loss by permeation. This technology combined with the auto-shut-off spout allows this line of container to meet the California Air Resource Board (CARB) regulations for Spill Proof Systems. (Title 13, California Code of Rugulations, Chapter 9 Off-Road Vehicles and Engine Pollution Control Devices, Section 2467.2a)





5 GALLON KEROSENE

CAN Made of durable plastic. Holds up to 5 gallons of kerosene.

REPLACEMENT NOZZLE

W1002*

KIT

T235C*



FUEL STABILIZER PLUS

Fuel Stabilizer Plus counter display – 6 bottles.

100002A



FUEL STABILIZER PLUS

4.2 oz. – Treats 10 gallons of gasoline.

100002



FUEL STABILIZER

Merchandiser Display – 36 – 1 oz. Pouches/box (one pouch treats 2-1/2 gal.) Keeps fuel fresh for up to 24 months. Promotes quick starts.

Order 4127 box of 50 as refill.

100031



FUEL STABILIZER PLUS

32 oz. for Shop Use – Treats 96 gallons of gasoline.

100006

*Ordering information: Contact your Briggs & Stratton Central Sales and Service Distributor.



MOTOR OIL 2 CYCLE

3.2 oz. – Ashless oil formulation. Leaves no residue – prevents plug fouling & engine deposits.

100037



MOTOR OIL 4 CYCLE

20 oz. – High quality SAE 30, SJ, SH, CF, detergent oil – Specially formulated for higher operating temperatures of air cooled engines.

100005



MOTOR OIL 2 CYCLE

8 oz. – Ashless oil formulation. Leaves no residue – prevents plug fouling & engine deposits.

272075



MOTOR OIL 4 CYCLE

48 oz. – High quality SAE 30, SJ, SH, CF, detergent oil – Specially formulated for higher operating temperatures of air cooled engines.

100028



MOTOR OIL 2 CYCLE 16 oz. – Ashless oil formulation. Leaves no residue – prevents plug fauling & ongine deposite

fouling & engine deposits.

100036



SNOW BLOWER OIL

32 oz. – high quality SAE 5W-30 detergent oil – Specially formulated for winter use of air-cooled engines.

100030C

SYNTHETIC OIL 32 oz. – high quality 100%

synthetic motor oil. SAE 5W-30

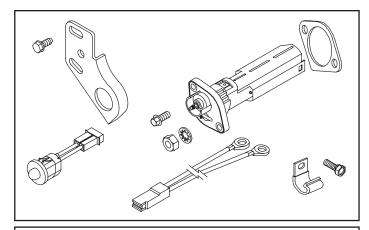
100074

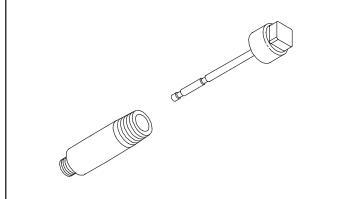


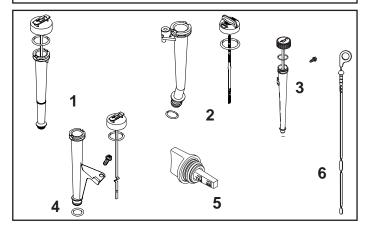
MARINE OUTBOARD OIL

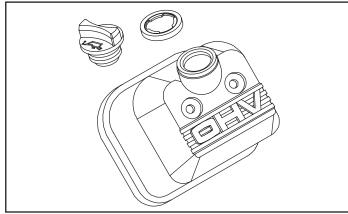
The 24 oz. bottle of oil meets Briggs & Stratton's strict lubrication requirements for a SAE 30 weight oil and is the exact amount needed to service the Briggs & Stratton 5 hp outboard motor. 100084











OIL GARD® KITS

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.

<u>Kit No.</u>	Models (horizontal crankshaft)
398182	For 5 HP thru 11 HP equipped to receive Oil Gard®
492697	For 9 HP Vanguard [™]
496605	For 5 HP Industrial Plus [™] Model

Note: Magnetic oil drain plug recommended with Oil Gard®

EXTENDED OIL FILL KIT

An extended oil fill pipe (2-5/8" long) and dipstick for most 2 HP thru 8 HP horizontal crankshaft models provides added convenience in filling oil and checking oil level.

<u>Kit No.</u>	Description	
493955	Oil fill pipe and dipstick	
To order parts separately:		
Part No.	Description	

<u>Part No.</u>	Description
691257	Oil fill pipe

691942	Dipstick

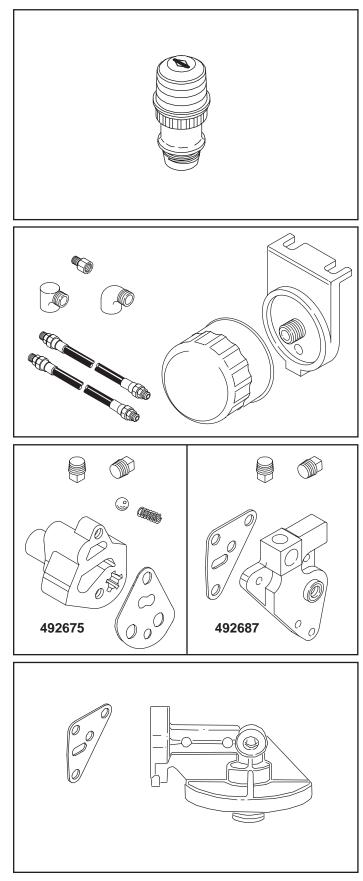
DIPSTICKS

<u>Ref. No.</u>	<u>Part No</u> .	<u>Models</u>
1	693617	110400, 121400, 123400
2	692047	110600, 111600, 120600, 121600, 122600, 126600
3	496415	310700, 311700
4	499602	405600, 406700, 445700
5	696938	120400, 204400, 205400
6	69317S	303400, 350400, 381400 (after 98053100)

VALVE COVER OIL FILL

Valve cover oil fills are available for Vanguard[™] V-Twin horizontal crankshaft engines.

<u>Part No.</u>	<u>Description</u>
690758	Valve cover oil fill, if engine is not equipped with fuel pump
690910	Valve cover oil fill, if engine is equipped with fuel pump
491832	Fill cap (before assembly, cut dip stick from cap, if equipped)



OIL MINDERS

Gives visual indication of "safe" oil level with a touch of a finger.

<u>Part No.</u>	Models
692939	Most 3 HP thru 12 HP vertical crankshaft engines
298858	Most 2 HP thru 8 HP horizontal crankshaft engines
298860	Most 9 HP thru 16 HP cast iron cylinder horizontal crankshaft engines

REMOTE MOUNTING OIL FILTER KITS

For Vanguard[™] V-Twin engines and Opposed Twin II[™] engines equipped with full pressure lubrication. Note: Opposed Twin II[™] requires adapter kit 492675. Vanguard[™] requires adapter kit 492687.

<u>Part No.</u>	Length of Hoses
492061	18" (48 cm)
492062	30" (76 cm)

To order parts separately:

<u>Part No.</u>	<u>Description</u>
494724 494725 495244	(2) 18" hoses (2) 30" hoses Oil filter kit without hoses

Oil Filter Adapter Kits:

<u>Part No.</u>	<u>Models</u>
492675	Opposed Twin II™ Cylinder engines (includes spacer)
492687	Vanguard™ V-Twin engines

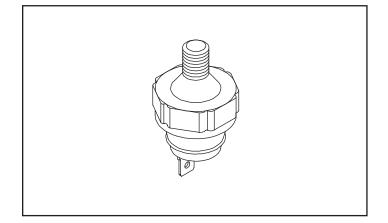
Note: Adapter has provision to receive oil pressure switches.

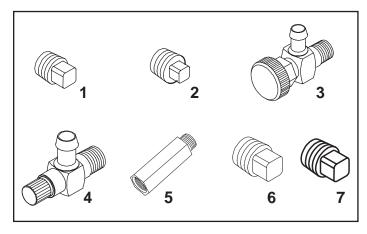
OIL FILTER ADAPTER

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 20). Use mounting hardware from original adapter.

808033

Note: Adapter has provision to receive oil pressure switches.





OIL PRESSURE SWITCH

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.

<u>Part No.</u>	<u>_PSI</u>
491657S 694115	3-5 PSI 9-13 PSI
690233	2 PSI

OIL DRAIN PLUGS & FITTINGS

A magnetic oil drain plug is recommended with Oil Gard®. 1/2 turn oil drain fitting makes oil changes easier.

<u>Ref. No.</u>	<u>Part No</u> .	<u>Models (horizontal crankshaft)</u>
1	691663	5 HP
2	690289	7 HP thru 11 HP
3	492030	5 HP and under (1/4" I.D. Dia.)
4	492031	Above 5 HP (1/2" I.D. Dia.)
5	715715	Vanguard™ single cylinder oil drain extension
6	690946	Vanguard™ Twin
7	691686	Model 12 horizontal

GREASE & HAND CLEANER



GREASE GUN KIT – Simple One Handed Operation

Kit includes steel grease gun, application tube and one 3 oz. grease cartridge.



100057



GREASE GUN REFILL KIT

Grease Refill Cartridges for Grease Gun Kit 100057

100058



HAND CLEANER

15.2 fl. oz. - Powerful cleansing agent with special conditioners and emollients to moisturize hands as it cleans.

100073

HAND CLEANER

128 fl. oz. - Powerful cleansing agent with special conditioners and emollients to moisturize hands as it cleans.

100045



MOLY/GRAPHITE GREASE

14 oz. Cartridge - Provides maximum anti-wear protection. Ideal for industrial, automotive, and outdoor power equipment.

100059



HIGH TEMPERATURE THREAD COMPOUND AND ANTI-SEIZE LUBRICANT

 Eases nut and bolt assembly – eliminates all galling, seizing and binding on any threaded fitting including stainless steel. Insures fast assembly.

- Improves later disassembly even on manifold and exhaust bolts.
- Insures correct torque readings lubricates threads to eliminate binding, seizing and drygall caused errors. Insures true torque wrench readings and proper seating of the bolt.

93963



LUBRICANTS & CLEANERS



HEAVY DUTY SILICONE

7.5 oz. Can – Lubricates, protects, waterproofs, and restores a wide range of parts and equipment.

100069



CARBURETOR/CHOKE CLEANER

CARBURETOR/CHOKE

8 oz. Can - Quickly dissolves carburetor deposits, reduces downtime and improves starting.

100041

CLEANER

16 oz. Can

100042



4-USE[™] LUBRICANT

11 oz. – Frees rusted parts, displaces moisture, seals out rust, and stops corrosion. Protects tools, equipment, and all metals.

100043



PENETRATING OIL PLUS

11 oz. Can

CLEANER

retainer frames.

100067

100070



HEAVY-DUTY DEGREASER

15 oz. Heavy Duty – Powerful, industrially formulated cleaner. Quick removal of oil, hydraulic fluids and related contaminants.

100044

FOGGING OIL

10 oz. Can – Special formulation for maximum internal rust protection for all 2 & 4 cycle engines.

100062



BATTERY TERMINAL PROTECTOR

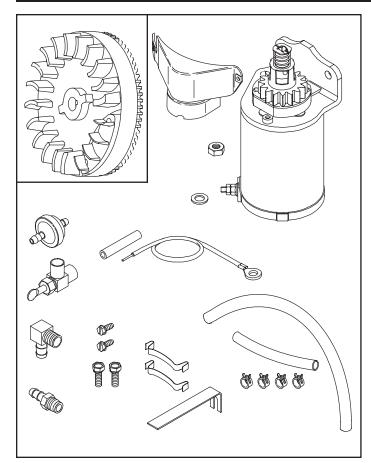
BATTERY TERMINAL

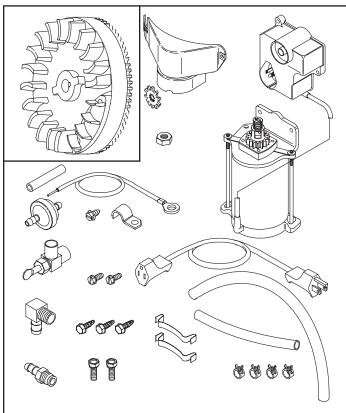
11 oz. Can - Cleans battery termi-

nals, cable connectors, casings, and

7.5 oz. Can – Prolongs battery life and assures faster, dependable starting.







12 VOLT ELECTRIC STARTER KITS**

12 volt electric starters are intended for use above -20° F. For engines with a STEEL ring gear on flywheel, use 394952 (illustrated) which includes a new flywheel (inset) and ALUMINUM ring gear, less charging magnets.

- Part No. Description
- 394951 For use on engines with an ALUMINUM ring gear already mounted on flywheel (only on engines with type nos. 0500 and up in Model Series 146400, 147400, 1467008* and 147700* – and all type nos. in Model Series 170400, 170700, 171700* and 190000).

394952 For use on engines that do not have ring gear already mounted on flywheel. Kit includes a new flywheel and ALUMINUM ring gear, less charging magnets.

Note: Kit No. 394952 may be used only on engines with type nos. 0500 and up in Model Series 146400, 146700* and 147700 – all type nos. in Model Series 170400, 170700*, 171700* and 190000.

394953 For use on engines with an ALUMINUM ring gear already mounted on flywheel.

Note: Kit No. 394953 may be used on engines for all type nos. in Model Series 170400, 170700*, 171700*,

190000, 220000 and 250000. *Kits cannot be used on vertical shaft models with 2 quart fuel tank welded to blower housing.

120 VOLT ELECTRIC STARTER KITS**

120 volt electric starters are intended for use above -20° F. For engines with a STEEL ring gear on flywheel, use 396507 (illustrated) which includes a new flywheel (inset) and ALUMINUM ring gear assembly.

Part No. Description

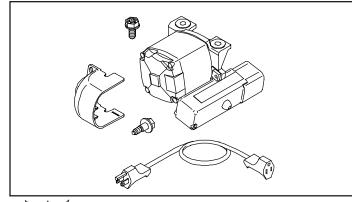
390922 Used only on Model Series 130200 which are already equipped to receive an electric starter.

396506 For use on engines with an ALUMINUM ring gear already mounted on flywheel (only on engines with type nos. 0500 and up in Model Series 146400, 147400, 146700* and 147700*, – and all type nos. in Model Series 170400, 170700*, 190000, 220000 and 250000).

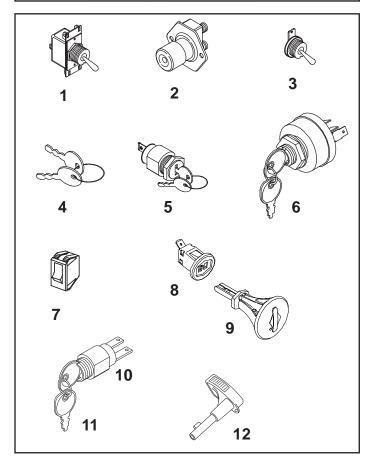
396507 For use on engine Model Series shown above except Model Series 220000 and 250000 includes flywheel and ALUMINUM ring gear assembly.

*Kits cannot be used on vertical shaft models with 2 quart fuel tank welded to blower housing.

**STARTER KITS DO NOT INCLUDE ANY SWITCHES OR CHARGING COMPONENTS.







120 VOLT ELECTRIC STARTER KITS

120 volt electric starters are intended for use above -20° F. For Intek[™] snow engines equipped to accept an electric starter with a ring gear already mounted on flywheel in Model Series 12B400, 12D400, 12C400.

Part No. Description	
----------------------	--

695660 Motor-Starter

*Kit cannot be used on vertical shaft models.

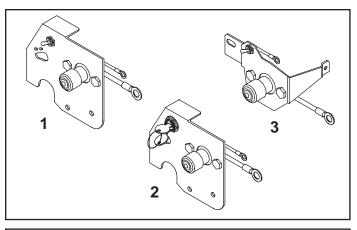
230 VOLT ELECTRIC STARTER KITS

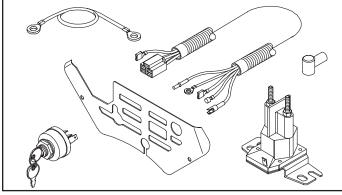
<u>Part No.</u>	Description

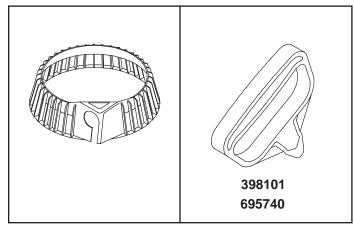
698608 Motor-Starter

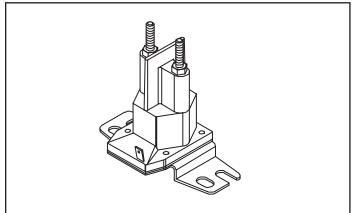
EUROPE ONLY - NOT FOR NORTH AMERICA

IGNITION	SWITCHES	
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	298590	Toggle switch
2	692303	Pushbutton starter switch
3	496590	Toggle switch
4	691959	Indak ignition keys (set of 2)
5	392833	Key switch for key 691959
6	692318	Key switch assembly – used on engines equipped with carburetor solenoid
7 Note:	697854 Rocker switc	Rocker switch (with light) h without light is 692599.
8	695747	Key switch used on selected snow engines
9	695756	Key used on selected snow engines
10	690646	Key switch
11	691959	Key Set for key switch 690646
12	695951	Touch-N-Mow [®] Key









STARTER PANELS

Starter switch panels for 7 HP thru 16 HP models equipped with 12 volt starter systems.

<u>Ref. No.</u>	<u>Part No.</u>	Description
1	395408	Pushbutton start, toggle switch "ON/STOP."
2	395409	Pushbutton start, key switch "ON/STOP."
3	394583	Pushbutton start, toggle switch "ON/STOP."

Part number 692096 starter panel with key start for Vanguard[™] V-Twin horizontal crankshaft models. Includes panel, ignition switch and key, wiring harness, solenoid and mounting hardware.

REWIND STARTER GUARDS & HANDLE

Rewind starter guards provide an added measure of operator safety (guard "snaps" into place).

<u>Models</u>	Starter Guard Part No.
60000 thru 110000	690601
130000	280680
170000 thru 280000	691904

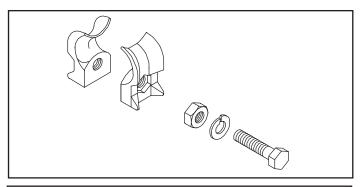
"Mitt" type grip-starter rope part number 398101, permits easier grasping (fits most models).

"Mitt" type grip-starter rope part number 695740 used on models 12A400, 12B400, 12C400, &12D400.

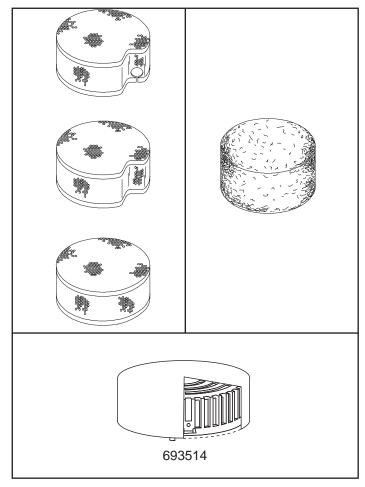
STARTER SOLENOID

<u>Model</u>	<u>Part No.</u>
Electric Start	691656

Also included in starter panel, part no. 692096







ROPE GUIDE

Part number 396526 rope guide for extended rope on rotary lawn mowers.

SPARK PLUG SHIELD

Part number 691954 spark plug shield provides added protection against moisture and supresses radio interference. Fits most engine models.

DEBRIS GUARDS

Debris guards extend engine life by adding protection against cylinder fin debris build-up. Remove rotating screen before installing debris guard.

Engine Models	Debris Guard	"Foam Hat" Debris Filter
"60000, 80000, 90000, 110000"	398833 ¹	N/A
120000 Quantum®	N/A	693514
130000	493945(1&4)	
190000 thru 280000	397530 ¹	271735
190000 thru 280000	398857 ²	
280000	695448(5&6)	271735
400000, 420000	(Covers only rotating screen area) 491349 ²	271964
400000, 420000	(Covers entire blower housing) 393330 ²	N/A
290000, 303000, 350000	808030 ²	805935

1 Rewind starter models only.

2 Electric starter models without rewind starter.

3 Before date code 90032700.

4 After date code 90032600, before date code 91101300.

5 Rewind starter models only. After date code 99102600.

6 Rotating screen must be removed when using guard 695448.

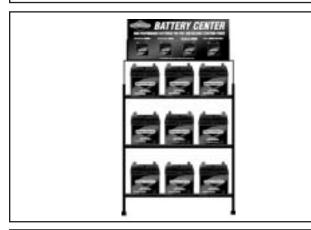
BATTERIES & BATTERY ACCESSORIES





GT-X Superior Battery

GT Standard Battery





BATTERIES

- High performance, maintenence free and reliable batteries.
- Popular sizes up to 300 CCA for garden tractors, snowmobiles, snow blowers and other powered equipment.

BCI		Cranking	Reserve	Approx.	
Group	Battery	APMS	Capacity	Wt. (lbs)	
Size	Туре	@0°F	(mins.) @ 80°F	Wet	Application
U1	GT-X	300	34	17	18HP Engines or above
	GT-H	235	25	15	up to 18 HP Engines
	GT	165	17	13	up to 12 HP Engines
UR1	GT-R*	235	25	15	up to 18 HP Engines

Ordering information:

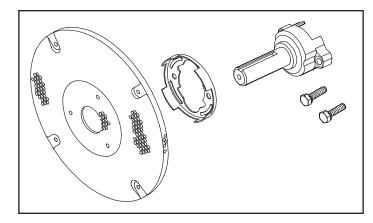
- For replacement battery, contact your Briggs & Stratton Authorized Service Dealer.
- OEM inquiries should be directed to Exide 1-888-723-1881.

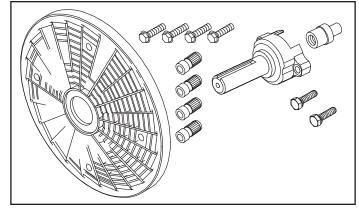
BATTERY CENTER DISPLAY

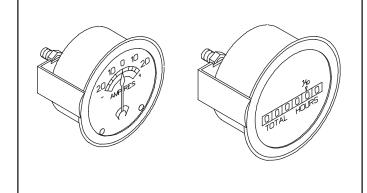
<u>Part No.</u>	Description
B7000001	Battery Terminal Protector – 1 oz.
B7000002	Battery Terminal Cleaner – 1 oz.
B1600131	Battery Terminal Anti-Corrosion Washer
B1500109	Battery Terminal Bolts
B1501012	Coated Top Post Battery Terminals
B7000150	Red & Black Terminal Caps
B7000126	Terminal Spreader
B7000151	Battery Load Tester
B7001201	1 Amp – Trickle Charger – Regulated
B7000516	Terminal Lugs
B7801226	Booster Cables 12' – 10 gauge
B2580010	Battery Cable 19" – 6 gauge
B2580011	Battery Cable 43" – 6 gauge
B2580012	Battery Cable 49" – 6 gauge
B7062059	Mechanics Hydrometer
B7000118	Metal Brush
B1500142	Battery Cable Bolts with wingnuts

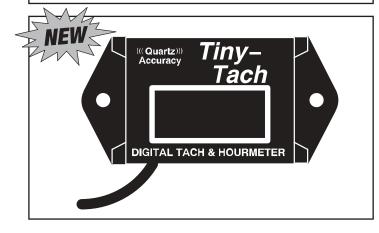
Contact your Briggs & Stratton Central Sales and Service Distributor or Authorized Service Dealer.

MISCELLANEOUS









STUB SHAFT KITS

A stub shaft kit, part number 494192, is available for horizontal shaft Opposed Twin Cylinder engines, models 400000 and 420000. Kit includes:

<u>Quantity</u>	<u>Part No.</u>	Description
2	691088	Hex sem screws
1	690452	Fan retainer
1	224414	Rotating screen
1		Stub shaft*

Note: Engines built prior to code date 93011800 require the purchase of flywheel fan part number 498157 and fan retainer part number 690452.

A stub shaft kit, part number 807867, is available for horizontal shaft Vanguard[™] V-Twin engines, models 290000 thru 380000. Kit includes:

<u>Quantity</u>	<u>Part No.</u>	Description
2	691088	Hex sem screws
1		Stub shaft*
1	690887	Hex nut
4	691500	Screen spacers
4	691647	Hex screws
1	690740	Pilot pin
1	690749	Rotating screen

*Stub shaft: keyway-1/4x2.3", length-3", diameter-1".

AMMETER & HOUR METER

<u>Part No.</u>	<u>Description</u>
295158	Ammeter by Stewart Warner. Scale: 20-0-20 amps.
100025	Hour meter by Hobbs. Requires 12V battery.

Note: Both meters include mounting hardware.

DIGITAL TACHOMETER & HOUR METER

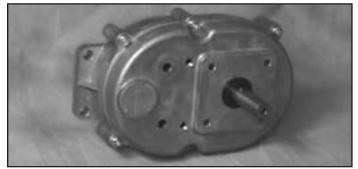
Easy-to-use Tiny-Tach meter indicates engine RPM and run time.

Part No.



MISCELLANEOUS







MAINTENANCE MINDER[™]

Part No.	Description

The Maintenance Minder[™] keeps track of the number of hours the equipment is 5081D being used, so that maintenance can be performed at the proper intervals. After maintenance is performed, simply reset the meter. Includes a stick on label that shows the recommended maintenance intervals. 4210 Bulk pack (Quanitity is 25 per box)

NORAM[™] REDUCTION GEARBOXES

Engine <u>Model No.</u>	Noram [™] Adapter <u>Kit Number</u>	Noram [™] <u>Gearbox Number</u>
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+

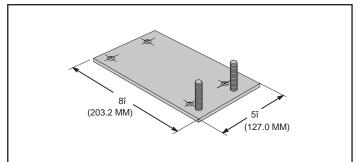
Notes: All engines must have a flange mount side cover. Noram output shaft size: diameter-1", length-3", keyway-1/4". 1" dia. keyway crankshaft.

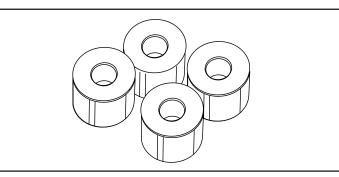
+

Contact your Briggs & Stratton Central Sales and Service Distributor to order.

NORAM: 3131 West Mill Road P.O. Box 09338 Milwaukee, WI 53209

MISCELLANEOUS





498861 ADAPTER PLATE

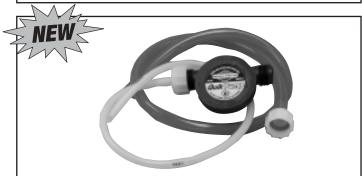
This adapter plate allows for the repowering of Model Series 130000 engines with a 5.5 HP Vanguard[™].

695154 ADAPTER SPACER KIT

For raising engine to crankshaft height of Model 190000. For Models 204400, 205400, 206400. Adapters are 1" high and 1-1/8" wide.







LONG LIFE PLATINUM SPARK PLUGS

For easy starts, reduces fouling.

PART NO.	DESCRIPTION	MODEL SERIES
5062D 4175 4176	1 Piece 24 pcs. Shop Pack 8 pcs. Pack	Used on most Briggs & Stratton L-Head engines except on OHV models
5066D 4173 4174	1 Piece 24 pcs. Shop Pack 8 pcs. Pack	Used on Intek™,Vanguard™ and most OHV engines

TIRE SEALANT

16 oz. & 32 oz.

100032 - 16 oz. 100032a - 16 oz. (Tire sealant counter display - 8 bottles) 100033 - 32 oz.

OIL PUMP KIT

Part No. Des

5056B

Description

Pump Assembly 19410, Hose 19412, Tube-short 19427 & Tube-long 19428.

Operate by attaching to electric hand drill.



BRIGGS & STRATTON POWER PRODUCTS GENERATOR ACCESSORIES



STORAGE COVER KIT -

LARGE

- Fits 15"-20" generator cradles with wheel kit installed
- Protects your investment from dirt, dust, etc.
- · Not intended for outdoor use

B4767GS

STORAGE COVER KIT -SMALL

- · Fits generator with 15" cradle without wheel kit
- · Protects your investment from dirt, dust. etc.
- · Not intended for outdoor use

84895GS

93580GS

WHEEL KIT 15" STANDARD

- Fits most generators
- 8" Solid wheels
- Lifting handles



WHEEL KIT 20" - DELUXE

- · Fits generators with a 20" wide cradle
- 12" pneumatic wheels
- U shaped handle

93584GS

4-GALLON FUEL GAUGE

- Simple float design
- Provides continuous indication of fuel tank level
- · Replaces the standard fuel cap on 4-gallon plastic fuel tanks

85134GS

5-GALLON FUEL GAUGE

- Simple float design
- Provides continuous indication of fuel tank level
- · Replaces the standard fuel cap on 5-gallon plastic fuel tanks

94834GS

7-GALLON FUEL GAUGE

- Simple float design
- Provides continuous indication of fuel tank level
- Replaces the standard fuel cap on 7-gallon plastic fuel tanks

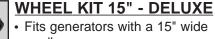
B4363GS

12 VOLT BATTERY CHARGE CABLES

Used on generators equipped with battery charge outlet.

65787GS





- cradle 12" pneumatic wheels
- U shaped handle

93581GS



WHEEL KIT 18" - DELUXE

- Fits generators with a 18" wide cradle
- 12" pneumatic wheels
- · U shaped handle











BRIGGS & STRATTON POWER PRODUCTS GENERATOR ACCESSORIES



WEATHERGUARD KIT

Fits Model 20 Intek[™] OHV engines firstalled in generator applications only. Although designed to improve winter weather engine performance, it can be left installed all year.

698816



FAMILIARIZATION & TROUBLESHOOTING GUIDE GENERATOR Manual

86262GS



TRANSFER SWITCH

<u>SYSTEMS</u>

695061	6 circuit, 5000 watt, 20 amp system
695062	10 circuit, 7500 watt, 30 amp system
695571	6 circuit, 7500 watt, 30 amp system
695511	10 circuit, 12,500 watt, 30 amp system

INLET BOXES

695066	20 amp inlet box
695067	30 amp inlet box
695514	50 amp inlet box
695514	50 amp inlet box

POWER CORDS

695517	15' 50 amp power cord
695518	15' 50 amp power cord
695520	10' 20 amp power cord
695521	10' 30 amp power cord
695522	25' 20 amp power cord
695523	25' 30 amp power cord

CONTACT YOUR BRIGGS & STRATTON CENTRAL SALES AND SERVICE DISTRIBUTOR TO ORDER.



BRIGGS & STRATTON POWER PRODUCTS PRESSURE WASHER ACCESSORIES

MULTI-PURPOSE WASH

Concentrate - 32 oz. bottle

100527GS



KIT - FLOOR BRUSH

100510GS

O-RING MAINTENANCE KIT

- Replacement o-rings used on pressure washer guns, wands, hoses, and accessories
- Designed for a Service Center application
- Replacement o-rings come in quanitiy of 10 each 186458GS

TURBO NOZZLE

- · Great for heavy duty cleaning and paint stripping
- Stainless Steel Wand
- Use with all pressure washers 1500-2400 psi., up to 2.2 gpm and with M22 fitting.
- 100511GS

25 FOOT EXTENSION HOSE

- Rated for 4000 PSI/276 BAR
- 25' x 3/8 size
- M22-1.5 female thread on both ends
- Non Marking
- B3635GS

50 FOOT EXTENSION HOSE

- M22-1.5 female thread
- Quick connect female fitting
- Rated at 4000 PSI

B3636GS



HEAVY DUTY DEGREASER Concentrate - 32 oz. bottle



100526GS **DECK WASH**

Concentrate - 32 oz. bottle





ROTATING BRUSH







BRIGGS & STRATTON POWER PRODUCTS PRESSURE WASHER ACCESSORIES



PUMP SAVER - 6 PACK

- Protects against freezing for safe cold weather storage
- Maintains seals and pistons
- Prevents harmful buildup of hard water mineral deposits in pump

100515GS

ANGLE EXTENSION

· Ideal for cleaning vehicle underbodies, cleaning gutters, etc.

MULTI PURPOSE BRUSH

Used in conjuntion with your





QUICK CONNECT

- 3/8 female NPT
- Quick connect male fitting
- Rated at 4000 PSI

B4705GS

HOSE TO HOSE ADAPTER

- 3/8 female NPT
- M22-1.5 male thread
- Rated at 4000 PSI

95457GS

HOSE TO HOSE ADAPTER

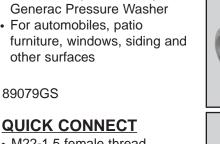
- M22-1.5 x M22-1.5 male thread
- Rated at 400 PSI

B3575GS

QUICK CONNECT

- 3/8 female NPT x
- M22-1.5 female
- Rated at 4000 PSI

185922GS



- M22-1.5 female thread
- Quick connect female fitting
- Rated at 4000 PSI

95518GS

89079GS



QUICK CONNECT

- M22-1.5 female thread
- Quick connect female fitting
- Rated at 4000 PSI









BRIGGS & STRATTON POWER PRODUCTS PRESSURE WASHER ACCESSORIES



QUICK CONNECT

3/8 female NPT x

- Female quick connect
- Rated at 4000 PSI

95458



FAMILIARIZATION & TROUBLESHOOTING GUIDE PRESSURE WASHER Manual

B2377GS





QUICK CONNECT SET

• Combines part numbers

- Combines part number
 185922 & 95458
- Rated at 4000 PSI

185923

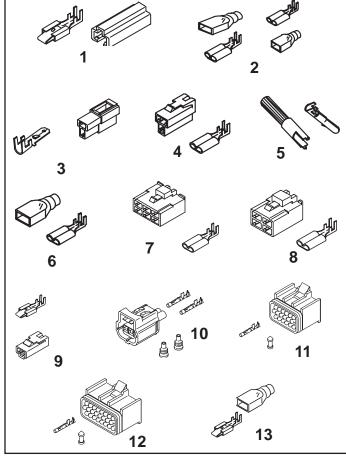
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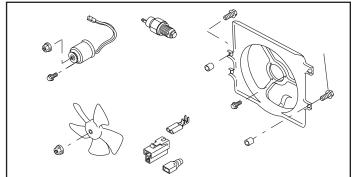
O-RING MAINTENANCE & NOZZLE CLEANING KIT

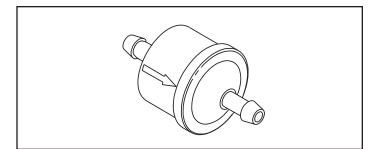
- Replaces warn or damaged o-rings
- Helps maintain nozzle performance

3/LC ENGINE OPTIONS









ELECTRICAL CONNECTORS

<u>Ref. No.</u>	<u>Part No.</u>	<u>Terminal</u> <u>Connectors used on</u>
1	825154	Oil pressure switch, water pressure switch
2	825155	Coil-ignition wire kit
3	825156	Female fuel filter, fuel pump, and ignition trigger
4	825157	Male fuel pump, alternator, ignition trigger, fuel filter, and fan motor
5	825158	Solonoid
6	825160	Water temperature switch and water pump switch
7	825162	Pre heat timer (ignition module, male)
8	825163	Ignition module, male
9	825266	Fuel injection pump, starter terminal
10	825288	Water temp switch
11	825289	Electronic gov. control module 12 Pins
12	825290	Electronic gov. control module 10 Pins
13	825322	0.8 KW starter

FAN MOTOR KIT

Electric radiator fan 120W.

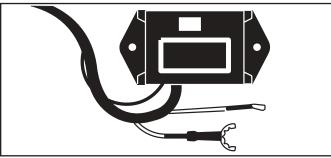
825217

FUEL FILTER

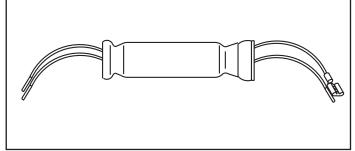
Used on gasoline engines only.

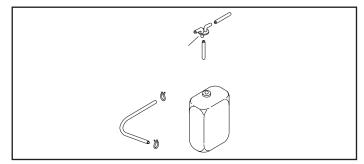
3/LC ENGINE OPTIONS

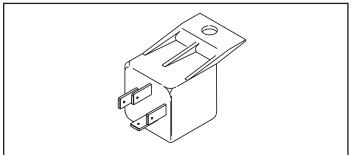












DIGITAL TACHOMETER AND HOURMETER

For use on Vanguard[™] 3/LC liquid cooled diesel engines.

19457

TRANSDUCER

Use with 19457 Digital Tachometer and Hourmeter. Quick clamp design with spring loaded post terminal for easy installation and removal.

19463

TACHOMETER ADAPTER

Adapter permits use of digital tachometer, part #19389, on Vanguard[™] 3/LC gasoline engines.

See page 41.

19456

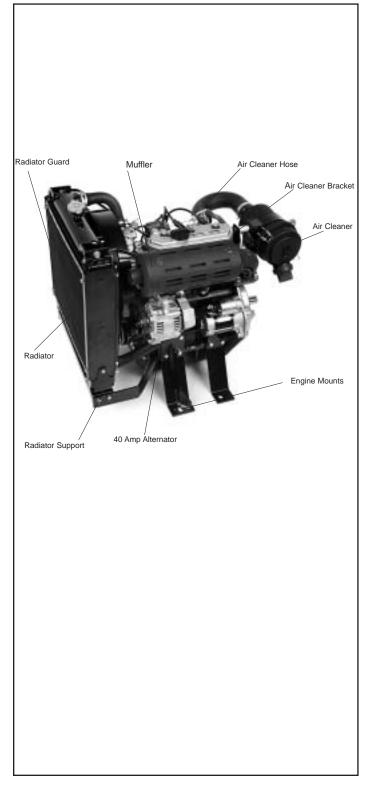
RESERVE TANK

825462

STARTER RELAY

3/LC ENGINE ACCESSORIES

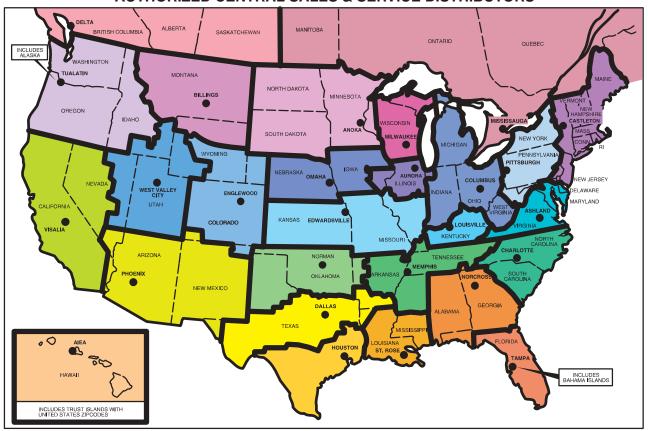




<u>3 CYLINDER VANGUARD™ LIQUID COOLED</u>

Service <u>Part No.</u>	Accessory Kit	Includes
825137	Air Cleaner	Paper element with cyclone pre- cleaner, straight out, mounting band
825125	Air Cleaner	Paper element with cyclone pre-cleaner, 90º out, mounting band
825218 825214	Air Cleaner Bracket Engine Mounts	Air Cleaner Mounting Bracket (4) Mounting Feet for base engine
825215	Engine Mounts	Same, but for engine with SAE bell housing (825099)
825098	Housing Flange	Flywheel housing with SAE "A" type hydraulic pum flange – no coupling
825113	Housing Flange	Flywheel housing with SAE "B" type hydraulic pump flange – no coupling
825099	SAE Housing & Flywheel	SAE flywheel #6-1/2 & SAE bell housing #5 instead of end plate
825200	Muffler Muffler Adapter	Exhaust muffler with guard
825358	·	Muffler Adapter 45º, Gasket, Fasteners
825124	Radiator-S Kit	Radiator, Fan Shroud, Surge Tank with Bracket, Hoses with Clamps
825103	Radiator Guard	Protective Grill
820259 825216	Radiator Screen Radiator Mounting Kit	Removable Debris Screen Radiator-to-Engine Mounting
020210	Ũ	System
825072	Radiator Drain Valve Assembly	Remote Radiator Drain Kit
825123	Stub Shaft 1"	Stub Shaft 1" Diameter
825078	Stub Shaft 1-7/16"	with 1/4 keyway Stub Shaft 1-7/16" Diameter with 3/8 keyway
820554	A/C Hose 90º Bend	A/C Hose 90° Bend with 2
820556	A/C Hose 180º Bend	clamps A/C Hose 180º Bend with 2 clamps
825219	Diesel Fuel Filter	Fuel Filter with primer pump, water separator and water indicator switch
825449	Wire Harness	Length: 6'
825447	Extension Wire Harness (Diesel)	Single connector hook-up, 42" wire harness extension
825448	Wire Harness (Gas)	Single connector hook-up, 42" wire harness extension
825450	Control Panel (Gas)	Low oil pressure, high engine temperature, and charging indicators
825451	Control Panel (Diesel)	Low oil pressure, high engine temperature, glow plug, fuel filter, and charging indicators.

BRIGGS & STRATTON CORPORATION AUTHORIZED CENTRAL SALES & SERVICE DISTRIBUTORS



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Anoka	MN	55303	Wisconsin Magneto, Inc.	800 McK
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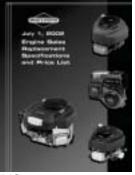
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MS-5568 Engine Sales, Replacement, Specifications and Price List



MS-8746 Service Tools Catalog



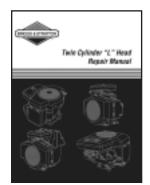
MS-4185 Genuine Parts Catalog



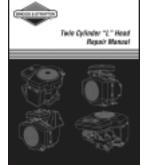
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272147 Single Cylinder OHV Repair Manual



271172 Twin Cylinder "L" Head Repair Manual



273521 Intek™ V-Twin cylinder OHV Repair Manual



272144 Vanguard V-Twin cylinder OHV Repair Manual



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