



TUNE IT UP
ENGINE MAINTENANCE GUIDE

BASIC ENGINE MAINTENANCE

WHY?

KEY ADVANTAGES TO MAINTAINING YOUR ENGINE:

EXTEND ENGINE LIFE

EASIER STARTING

REDUCE FUEL CONSUMPTION

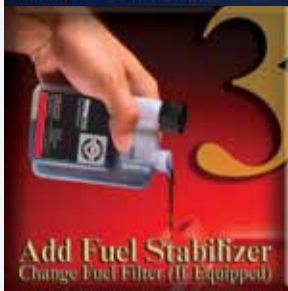
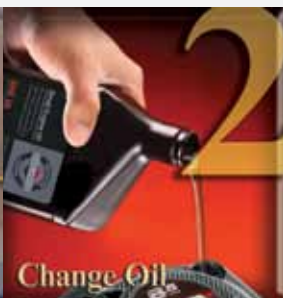
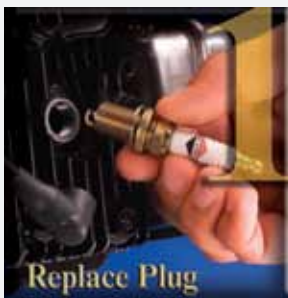
UP TO
30%

REDUCE EMISSIONS

UP TO
50%

HOW?

JUST FOLLOW THESE 4 EASY STEPS*!



*As well as the oil filter, fuel filter and pre-cleaners.

REPLACE SPARK PLUG

WHY?

- ENSURES CONSISTENT SPARK
- MORE RELIABLE STARTING
- IMPROVES FUEL ECONOMY



WHEN?

- ✓ **REPLACE SPARK PLUG AT THE BEGINNING OF EVERY MOWING SEASON AND/OR EVERY 100 HOURS OF USE.**

HOW?



Part No. 195765
Spark Plug Wrench

REPLACING YOUR SPARK PLUG IS ONE OF THE EASIEST WAYS to ensure constant and easy starting for your engine.

- 1** Be sure engine is stopped. **Disconnect the spark plug wire**, and clean the area around the spark plug.
- 2** With the spark plug socket-wrench, turn counterclockwise to **remove spark plug**.
- 3** Check and set new spark plug gap to Briggs & Stratton operating specifications. **Reinstall new spark plug** by turning it several rotations until fingertight. Then tighten 1/4 to 1/3 turn more with the socket wrench.

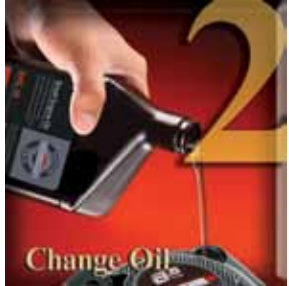


CHANGE OIL

Please see your Briggs & Stratton Operator's Maintenance & Instruction Manual for detailed information.

WHY?

- EXTENDS ENGINE LIFE
- CLEANS INSIDE OF ENGINE
- REDUCES FRICTION



WHEN?

✓ CHANGE OIL AFTER FIRST 5 HOURS OF USE, THEN AFTER EVERY 50 HOURS OR AT THE BEGINNING OF THE SEASON. SERVICE MORE OFTEN UNDER DUSTY, HEAVY LOAD OPERATING CONDITIONS.

HOW?

CHECKING OIL



- 1** Locate the dipstick or oil fill cap on the crankcase.



- 2** To prevent dirt and debris from falling into the crankcase, wipe the area around the cap with a clean cloth before removing the cap.



CHANGE OIL

- 3** If engine includes a dipstick cap, remove the dipstick and wipe it with a clean cloth. To ensure an accurate reading, reinsert the dipstick completely. Then, remove it again and check the oil level.



CHANGING OIL



Check your Briggs & Stratton operator's maintenance and instruction manual to determine the type and quantity of oil needed.

- 1** Run the engine for several minutes to warm up engine.
- 2** Stop the engine, disconnect the spark plug lead, and secure it away from the spark plug. Then, locate the oil drain plug.



CHANGE OIL

CHANGING OIL (Cont.)

- 3 PUSHMOWER:** Place a drain pan on the ground next to the dipstick side of the mower. Remove the dipstick and tilt the mower over with the dipstick tube down (closest to the oil pan).



- RIDERS:** Place oil pan under the oil drain plug or drain valve located on the side of the engine. Open valve or remove plug and allow oil to completely drain into the container.



Part No. 5401

**A BRIGGS & STRATTON® OIL
DRAIN VALVE MAKES CHANGING
YOUR OIL EASY.**

- 4** Pour in the appropriate type and quantity of oil (see your Briggs & Stratton Operator's Maintenance & Instruction Manual). Allow enough time for the oil to completely settle into the engine before checking level.

REPLACE AIR FILTER

WHY?

- **BETTER PERFORMANCE**
- **EASIER STARTING**
- **REDUCES FUEL CONSUMPTION**



WHEN?

- ✓ **REPLACE EVERY 25 HOURS (OR ONCE A SEASON). DUAL ELEMENT: PRE-CLEANER SHOULD BE CLEANED EVERY 25 HOURS/CARTRIDGE CHANGED EVERY 50 HOURS.**

HOW?



FOAM AIR CLEANERS

- 1** Remove air filter screw, carefully remove air filter assembly and discard foam.
- 2** Clean all of the air filter assembly parts.
- 3** Saturate new foam filter with approximately 1-2 tablespoons of fresh engine oil. Wrap foam in clean cloth and squeeze to remove excess oil.
- 4** Install new foam filter.
- 5** Reinstall cover. Tighten screw securely.



REPLACE AIR FILTER

PAPER AIR FILTERS

- 1 Remove cover.
- 2 Carefully remove and discard paper cartridge.
- 3 Install new paper cartridge with paper pleat out.
- 4 Reinstall cover.



CHANGE OIL FILTER

Please see your Briggs & Stratton Operator's Maintenance & Instruction Manual for detailed information.

WHY?

- **INCREASES PERFORMANCE**
- **GREATLY INCREASES ENGINE LIFE**
- **REMOVES IMPURITIES FROM ENGINE OIL**

WHEN?

-  **EVERY 50 HOURS OR REPLACE ONCE A SEASON (MORE OFTEN UNDER DUSTY/DIRTY CONDITIONS).**

CHANGE OIL FILTER

HOW?

- 1** Remove and discard oil filter by twisting counterclockwise on the body, using a filter wrench or Briggs & Stratton strap, part #19433.
- 2** Select new oil filter rated for your engine.
- 3** Lightly oil filter gasket with clean engine oil.
- 4** Install new filter by turning clockwise until gasket contacts the filter adapter. Tighten the filter an additional 1/2 to 3/4 turn.



**CHOOSE FROM THE COMPLETE LINE OF
BRIGGS & STRATTON® GENUINE OIL FILTERS.**



Part No. 696854



Part No. 492932S

CHANGE FUEL FILTER

Please see your Briggs & Stratton Operator's Maintenance & Instruction Manual for detailed information.

WHY?

- PREVENTS CARBURETOR FROM CLOGGING
- INCREASES PERFORMANCE
- PREVENTS DEBRIS FROM ENTERING CARBURETOR

WHEN?



REPLACE EVERY 100 HOURS (OR ONCE A SEASON).

HOW?



- 1 Shut the fuel valve off, if equipped*.
- 2 If your filter is installed in the fuel line, remove the metal clips on each side of the filter.
- 3 Slide the filter out of the fuel line.
- 4 Install new filter with fuel flow arrow pointing towards the engine.
- 5 Slide new clamps over filter.

*If no valve, run fuel tank dry

**CHOOSE FROM THE COMPLETE LINE OF
BRIGGS & STRATTON® GENUINE FUEL FILTERS.**



Part No. 298090S



Part No. 691035



Part No. 695666

ADD FUEL STABILIZER

WHY?

- **KEEPS FUEL FRESH UP TO 2 YEARS**
- **CLEANS CARBURETOR & FUEL SYSTEM**
- **WORKS IN 2-CYCLE AND 4-CYCLE ENGINES**



WHEN?



ALWAYS TREAT NEW FUEL WITH STABILIZER TO PROTECT YOUR EQUIPMENT THROUGHOUT THE SEASONS.

HOW?

Gasoline will start to degrade or breakdown after a month. Fuel stabilizer prevents idle gasoline from creating a varnish on the inside of the fuel tank, carburetor, and other fuel components.

- ✓ Just pour the recommended amount of fuel stabilizer into your fuel tank and/or your gasoline storage container.



FRESH START®

WITH THE NEW FRESH START® CAP, FUEL STABILIZER IS SLOWLY DELIVERED TO YOUR TANK IN THE RIGHT AMOUNT TO KEEP YOUR FUEL FRESH AND TO IMPROVE STARTING

FOR USE ON ALL QUANTUM® 625-875 SERIES ENGINES AND VERTICAL SHAFT 5-7 GROSS HP INTEK™ ENGINES



- **Convenient to Use**
- **Won't Harm Gas Tank**
- **Minimizes Gas Degradation, Ensures Easy Starting Over Time**
- **Does Not Void the Manufacturer's Warranty**
- **Highly Concentrated to Last up to 6 Months**
(Depending on conditions: temperatures, usage patterns, fuel type and blend)

FRESH START®



**Part No. 699798B
& 699998**

Fresh Start® Gas Cap
& 2 Refill Cartridges



Part No. 699998

Fresh Start® Refill
Cartridges (2 refills for
use with 699798B)

3 EASY STEPS



1. SNAP

Snap the
cartridge into
the cap.



2. PEEL

Peel off white tab
from the cartridge.



3. TWIST

Twist the Fresh
Start® cap onto
the fuel tank.

MAINTENANCE SCHEDULE

Follow the hourly or calendar intervals, whichever occurs first. More frequent service is required when operating in dirty or dusty conditions.

✓ **Every 5 Hours or Daily** **Check Oil Level.**

✓ **25 Hours or Once Every Season** **Replace Foam Air Cleaner. Replace Foam Pre-Cleaner.**

(or more often under dusty, heavy load operating conditions)

✓ **50 Hours or Once Every Season** **Change Oil** (and oil filter if equipped). **Replace Paper Air Cleaner.**

(or more often under dusty, heavy load operating conditions)

✓ **100 Hours or Once Every Season** **Replace Spark Plug. Replace In-Line Fuel Filter** (if equipped).

Don't wait until your filter looks like this to replace it. If your element (paper or foam) has begun to break down, become discolored, torn or wet, it should be replaced with a genuine Briggs & Stratton® air filter.



The oil level in your engine is critical for proper operation and longevity. It is also important to make sure your engine oil is replaced according to the schedule. Replacing broken down oil maintains proper oil viscosity, improving the oil's performance and extending engine life.

MAINTENANCE LOG

Use the following log to be sure you have all the parts you need to complete your engine/mower maintenance.

MAINTENANCE RECORD

Equipment Model # _____

Engine Model # _____ Gross HP _____

Air Cleaner

My Part # _____

Spark Plug

My Part # _____

Oil

My Part # _____

Oil Filter *(if equipped)*

My Part # _____

Fuel Filter *(if equipped)*

My Part # _____

Belts *(if equipped)*

My Part # _____

Blade *(if equipped)*

My Part # _____

Deck Size _____

Battery *(if equipped)*

IT'S THAT EASY...

PURCHASE BRIGGS & STRATTON GENUINE EQUIPMENT PARTS FROM YOUR LOCAL AUTHORIZED DEALER OR RETAILER



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