

MAINTENANCE AND STORAGE

PERIODIC MAINTENANCE SCHEDULE TABLE

Service records- fill in dates as you complete regular service	Before each use	Every 5 hours	Every 25 hours	Every 100 hours	See note	Before storage	Service dates
Check engine oil level	Y						
Check trimmer lines	Y				1		
Check trimmer head engagement	Y						
Engine/machine cleaning	Y				2		
Check nuts and bolts	Y						
Check spark plug			Y				
Change engine oil			Y				
Service air filter			Y		3		
Lubricate jackshaft assembly			Y				
Lubricate wheel bearings			Y				

Note 1 When old line is half the original length, replace with new line.

Note 2 Clean daily if used in extremely dusty or dirty conditions. Clean grass and debris build up off of the debris screen.

Note 3 Change more often if used in extremely dusty or dirty conditions.

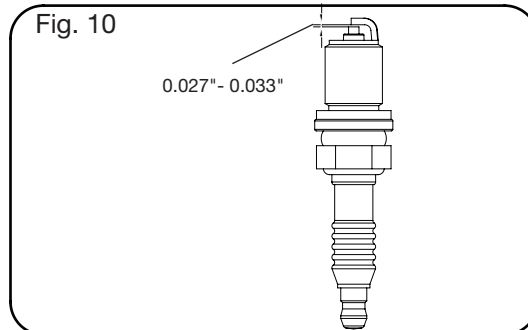
GENERAL RECOMMENDATIONS

The warranty on this trimmer does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the trimmer as instructed in this manual. Some adjustments must be made periodically to properly maintain your trimmer. All adjustments in the Maintenance section of this manual must be checked at least once each season.

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MAINTENANCE OF THE SPARK PLUG

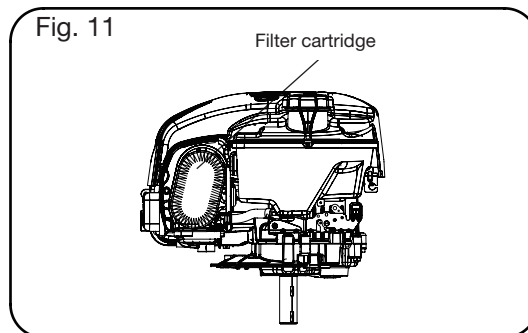
As shown in Fig. 10



1. Once the engine has cooled, pull off the spark cover with a twist.
2. Remove the spark plug using a spark plug wrench (not supplied).
3. Clean the spark plug with a wire brush (not supplied).
4. Using a feeler gauge, set the gap to 0.027" - 0.033" (0.686- 0.838 mm).
5. Install the spark plug carefully by hand to avoid cross-threading.
6. After the spark plug is seated, tighten with the spark plug wrench to compress the washer.

MAINTENANCE OF THE AIR FILTER

As shown in Fig. 11



Soiled air filters reduce the engine output by restricting air to the carburetor. If the air contains a lot of dust, the air filter should be checked more frequently.



WARNING! Never run the engine without the air filter element installed.

1. Press tabs at the top of the air filter cover and tilt away from the engine to remove the cover.
2. Remove the filter cartridge.
3. To loosen debris, gently tap the filter cartridge on a hard surface. If the filter cartridge is excessively dirty, replace with a new one.



Note: Never clean the air filter cartridge with gas or inflammable solvents. Clean the air filter cartridge only with compressed air or by tapping it.

4. Install the filter cartridge.
5. Close the cover and secure it properly by snapping tabs back into the correct slots at the top.

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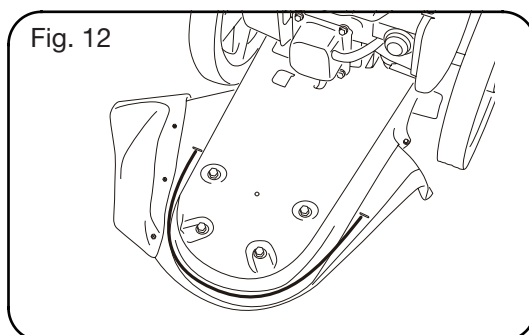
CHECK AND ADD THE ENGINE OIL

The Briggs & Stratton 675EXi engine on this lawn mower is made with a special feature Check & Add(TM). The oil never needs to be changed. Before each use check the oil level and add additional oil if the level is not within the Min - Max levels.

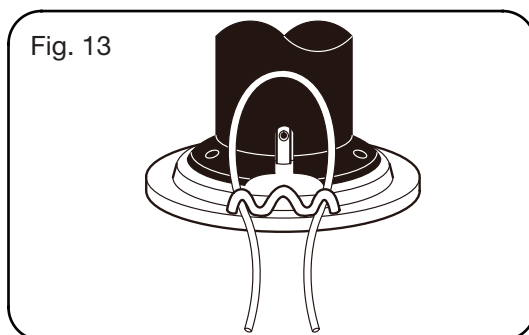
REPLACING THE TRIMMER LINE

When the trimmer line becomes worn to half the original length, replace the trimmer line. For the best performance, use a heavy gauge 0.155 in. [4 mm] trimmer line.

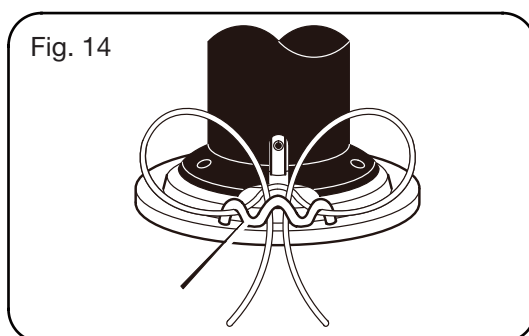
1. Stop the engine. Wait for all moving parts to stop. Disconnect the wire from the spark plug.
2. Remove the worn trimmer line from line retainer.
3. Cut the length of the trimmer line to 21.5 in. [546 mm]. Use the length guide; located on the shield to make sure the trimmer line is the correct length. (See Fig. 12) Do not allow the length of the lines to vary more than one inch. Make sure the trimmer head is balanced and does not vibrate.



4. Thread the ends of the new trimmer line through the out side loops. (See Fig. 13)

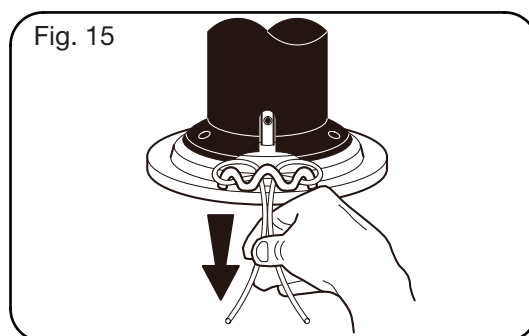


5. Take the ends of the line, cross over the line retainer, and thread the ends through the center hole. (See Fig. 14)



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- Then, check to make sure that the ends of the line are even. (See Fig. 15)



- Follow same steps for line on alternate side.



IMPORTANT: To extend the life of the trimmer line, keep the trimmer line moist. If not kept moist, the nylon trimmer line will become dry and brittle. Keep extra trimmer line in a can of water. The line will then stay flexible and easy to change. A flexible line will also last much longer.

STORING THE TRIMMER FOR SHORT PERIODS

The trimmer can be stored for short periods of time (less than 15 days) without performing any storage maintenance. Before placing the trimmer into storage always do the following:

- Allow the engine to fully cool.
- Ensure the grass bag is empty.
- Clean all debris from under the cutting deck.
- Store the trimmer on a flat and level surface with the trimmer upright.
- Store in a safe place which is not accessible by children or people who are not familiar with the trimmer's operation.

STORING THE TRIMMER FOR EXTENDED PERIODS

If the trimmer is to be placed into storage for more than 15 days, storage maintenance must be performed on the trimmer. If the following steps are not carried out, when you next operate the trimmer it may not start correctly and may need to be serviced.



CAUTION! Do not empty the gas tank in enclosed areas, near fire or when smoking. Gas fumes can cause explosions and fire.

- Empty the gas tank with a gas suction pump if available.
- Start the engine and let it run until any remaining gas has been used up.
- Clean the cooling fins of the cylinder and the housing.
- Be sure to clean the entire machine to protect the paint.
- Store the machine in a well-ventilated place.

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MAINTENANCE SCHEDULE

Performing routine maintenance correctly on your trimmer will ensure you get years of trouble-free use. Please keep this manual safe for future reference.

It is recommended that the following maintenance schedule is adhered to. This will ensure the trimmer operates correctly and is safe to use.

	12 hours of use	24 hours of use	36 hours of use
Air filter	Clean	Clean	Clean
Spark plug	Check	Clean	Clean
Engine oil	Check	Check and Add	Check and Add

TRANSPORTING THE TRIMMER

Empty the gas tank. Always let the engine run until it has used up the remainder of gas in the tank. Empty the engine oil from the warm engine. Remove the spark plug cover from the spark plug. Clean the cooling fins of the cylinder and the housing. Use the original packaging to ship whenever possible.

TROUBLE SHOOTING

Fault/malfunction	Cause	Remedy
Engine does not start	Engine on/off control bar pressed. Spark plug is defective. Cutting blade is worn or damaged. Fuel tank is empty. Engine may be flooded.	Press engine on/off control bar. Replace spark plug. Replace it through the customer service centre. Refill with fuel. Remove plug and dry.
Engine runs unsteadily.	Air filter is soiled. Spark plug is soiled.	Clean the air filter. Clean the spark plug.
Trimmer vibrates	Set screws for trimmer head is loose Trimmer line lengths are substantially different Loose nuts or bolts Broken trimmer head	Tighten set screw with T-handle wrench. Adjust trimmer line to approximately equal lengths. Check all bolts and nuts, including engine bolts. Replace broken part.
Trimmer head does not retain line	Trimmer line not properly attached Broken line retainer Trimmer line not correct size	Follow instructions on decal or in the Service section of the owner's manual. Replace the trimmer head assembly. Use a 0.155 in. (4 mm) trimmer line.