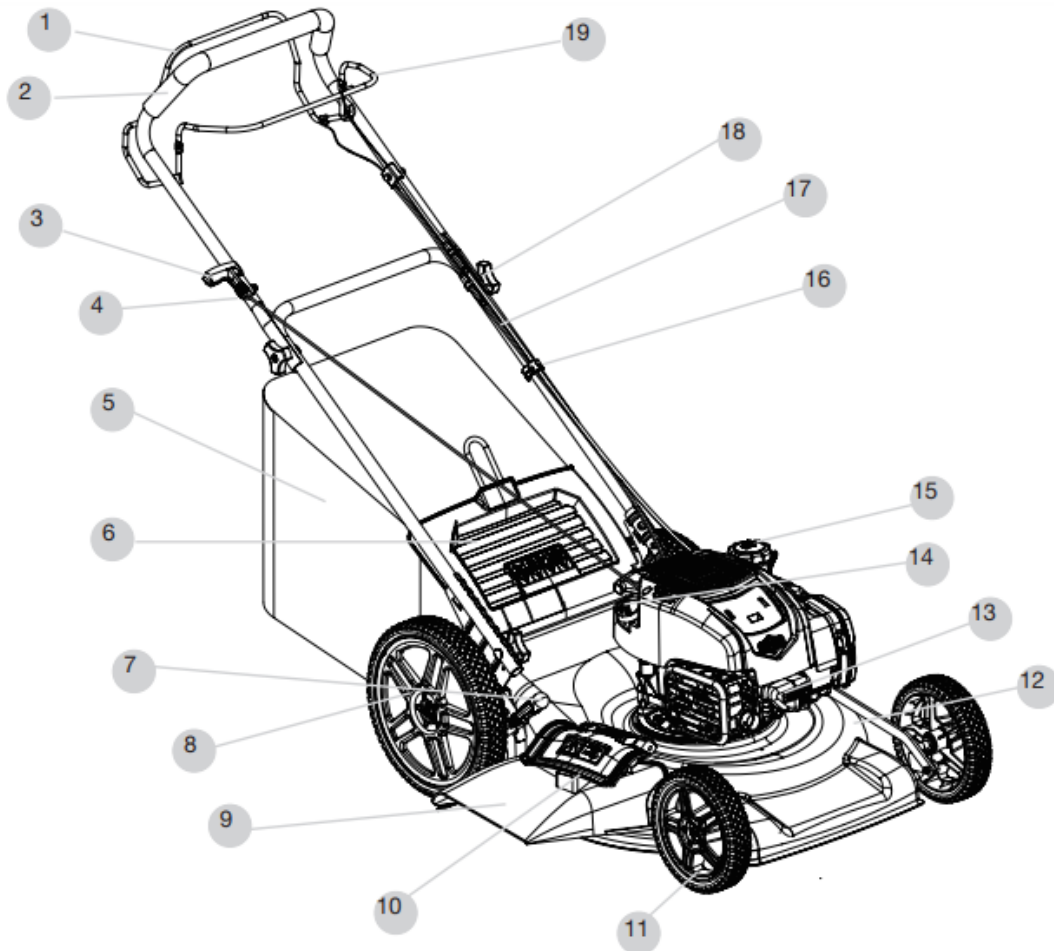


## PARTS LIST

### KNOW YOUR LAWN MOWER



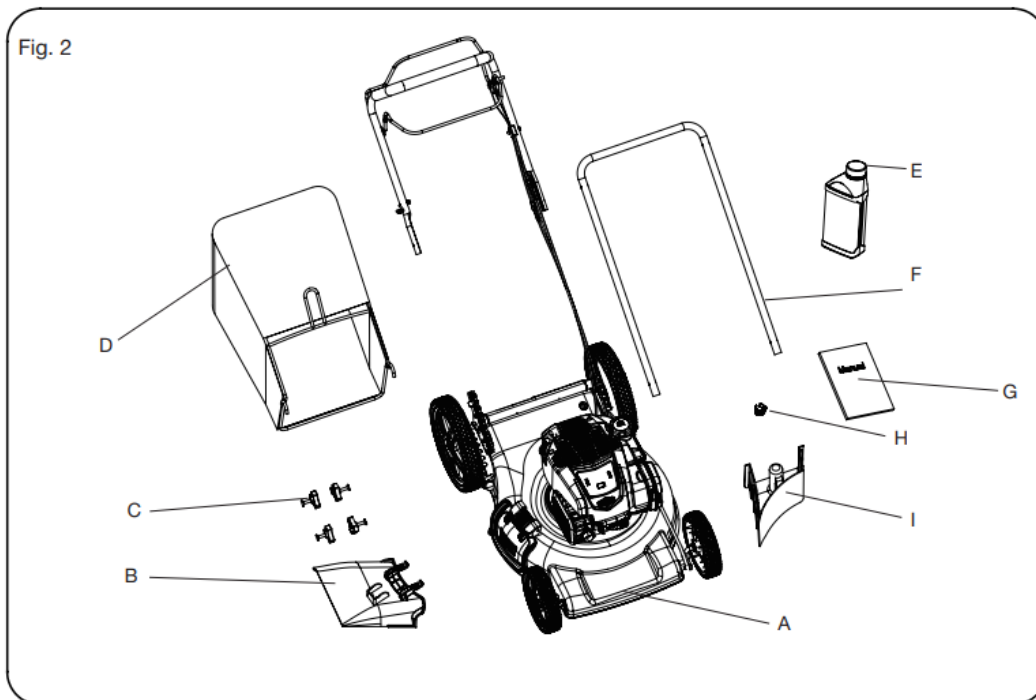
- 1 Self-propelled drive control bar
- 2 Upper handle
- 3 Engine start handle
- 4 Rope guide
- 5 Grass bag
- 6 Rear chute flap
- 7 Height-adjusting handle
- 8 Rear wheel
- 9 Side discharge chute (removable)
- 10 Side discharge cover
- 11 Front wheel
- 12 Cutting deck
- 13 Spark plug cover

- 14 Oil filler dipstick
- 15 Gas filler cap
- 16 Cord clip
- 17 Lower handle
- 18 Handle knob and bolt
- 19 Engine on/off control bar

## PARTS LIST

Carefully remove the lawn mower from its packaging and check that the following parts are included:

- A. Main mower deck (with upper handle) 1 pc
- B. Side discharge chute 1 pc
- C. Handle Knob and Bolt 4 sets
- D. Grass bag with holder 1 pc
- E. Engine Oil (SAE 30 15 o.z.) 1 pc
- F. Lower handle bar 1 pc
- G. Manual 1 pc
- H. Cord clip 1 pc
- I. Mulching plug (inside the mower) 1 pc



## INTENDED USE

This gas-powered lawn mower has been designed for cutting residential lawn areas.

The machine is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

## ASSEMBLY

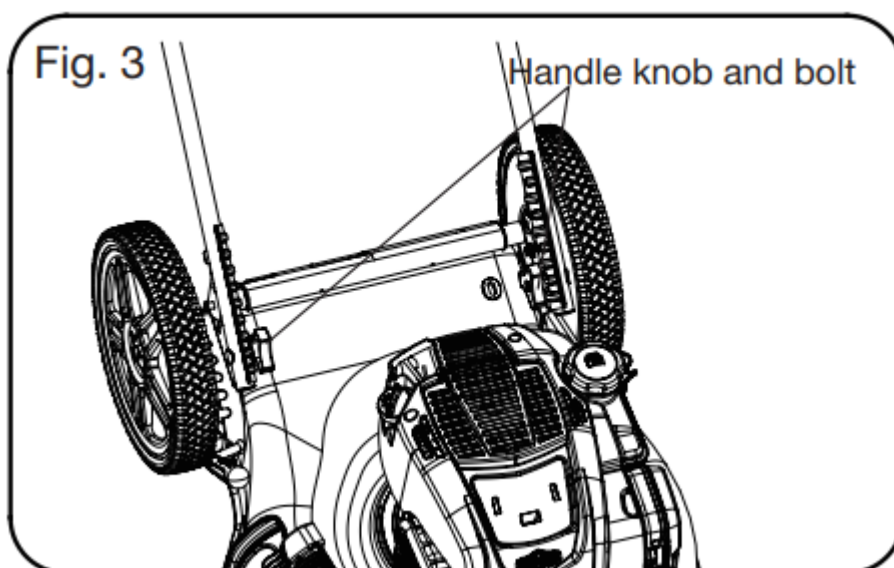
Your new lawn mower has been assembled at the factory with the exception of those parts left disassembled for shipping purposes. All parts, such as nuts, washers, bolts, etc., necessary to complete the assembly have been placed in the parts bag. To ensure safe and proper operation of your lawn mower, all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to ensure proper tightness.

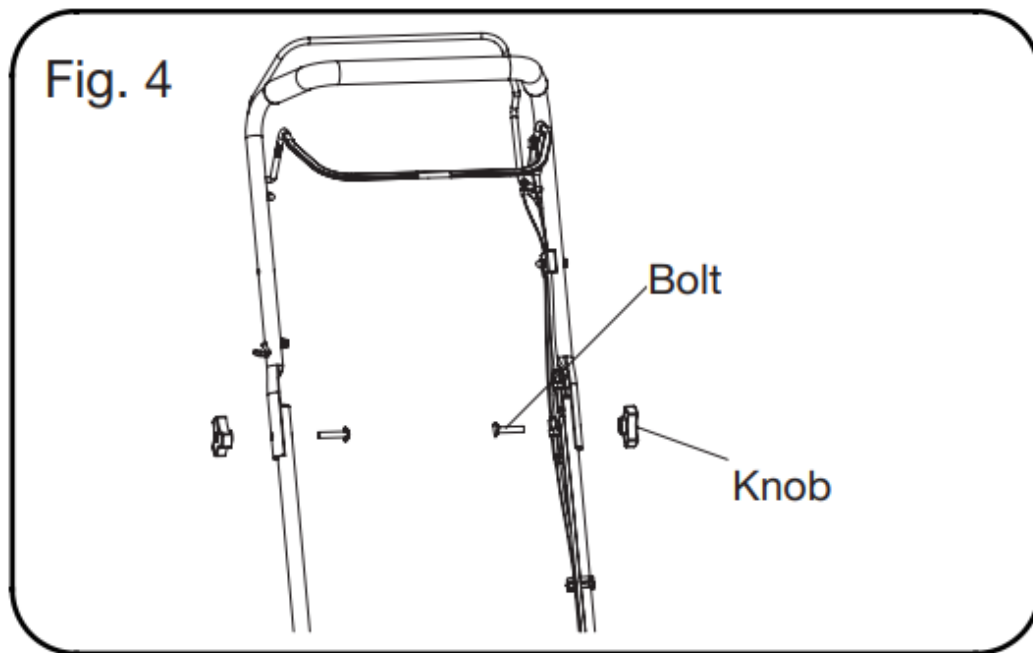
### TO REMOVE LAWN MOWER FROM CARTON

1. Remove loose parts included with mower.
2. Cut down two end corners of carton and lay end panel down flat.
3. Remove all packing materials except padding between upper and lower handle and padding holding control bars to upper handle.
4. Roll lawn mower out of carton and check carton thoroughly for additional loose parts.

### ASSEMBLING THE HANDLE

As shown in Figs. 3 and 4



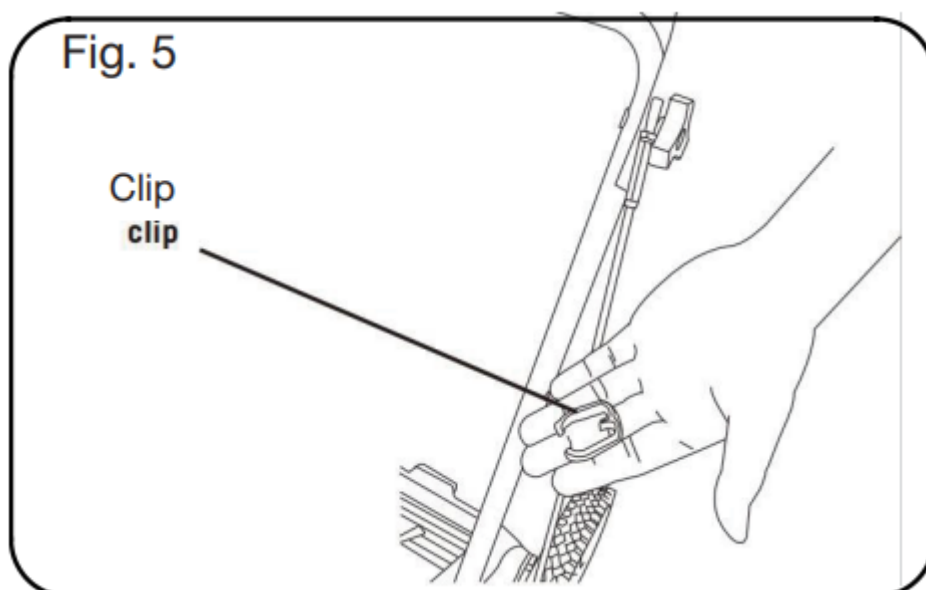


**IMPORTANT:** Unfold handle carefully to avoid pinching or damaging the control cables.

1. Fasten the lower handle to the lawn mower deck by using 1 knob and 1 bolt on each side.
2. Fasten the lower handle to the device by using two arc head bolts and two fixing knobs on each side.
3. Unfold the upper handle and attach it to lower handle by using 1 knob and 1 bolt on each side.

### CLIP CONTROL CABLES TO THE HANDLE

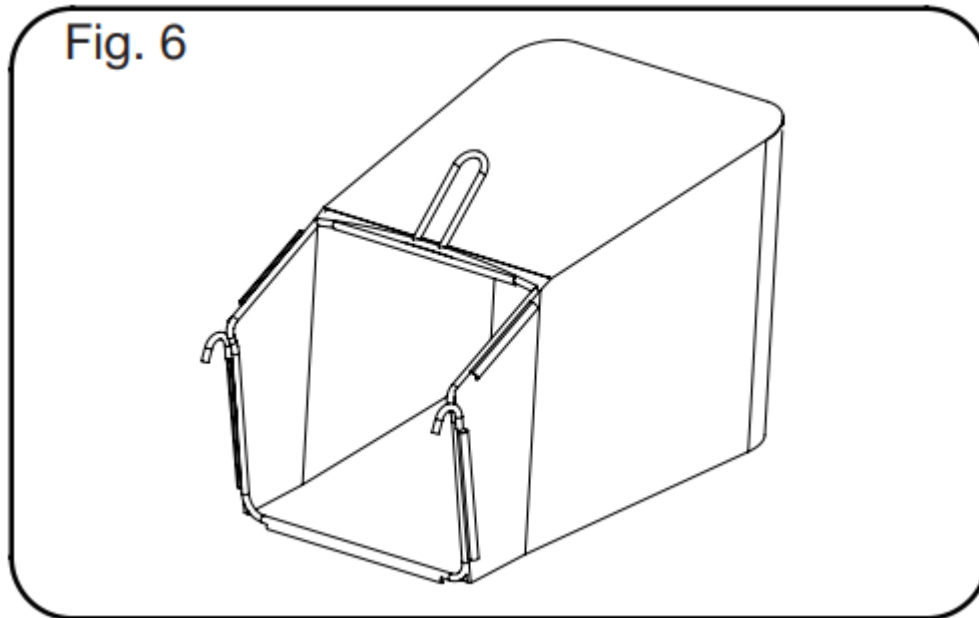
As shown in Fig. 5



Attach the control cables to the handle with the clip (supplied).

## ASSEMBLING THE GRASS BAG

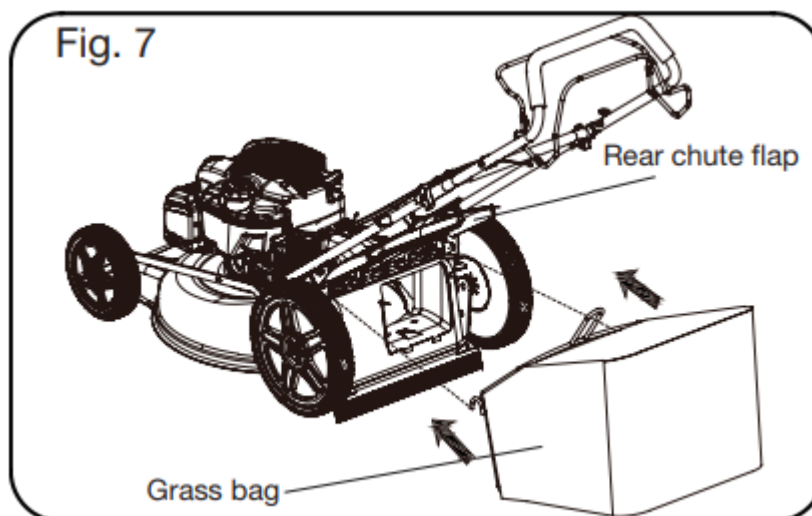
As shown in Fig. 6



1. The grass bag already be half assembled. Make sure the frame handle is outside of the bag top.
2. Slip the vinyl bindings over the frame.

## ATTACHING THE GRASS BAG TO THE MOWER

As shown in Fig. 7

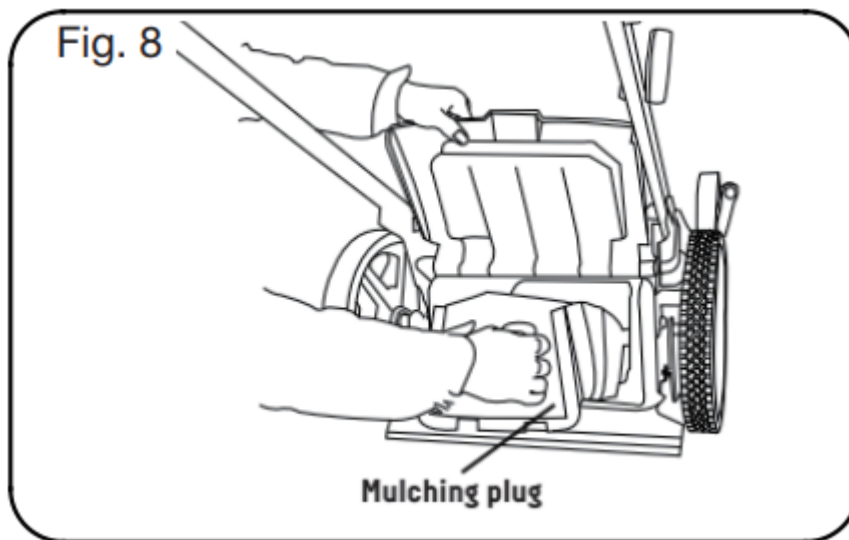


**NOTE:** Never install or remove the grass bag, mulching plug or side discharge chute while the engine is running.

1. Lift the rear chute flap with one hand and hook in the grass bag, make sure the mulching plug be removed.
2. Release the rear chute flap to secure the grass bag in position.

## **INSTALLING THE MULCHING PLUG**

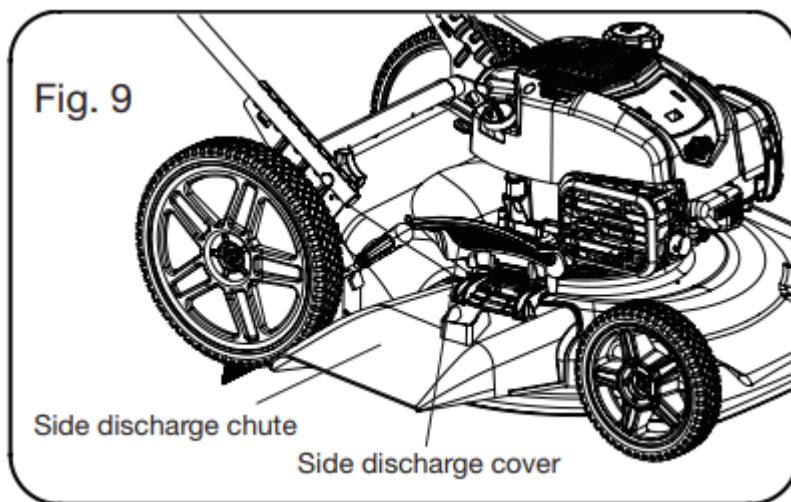
As shown in Fig. 8



1. Remove the grass bag.
2. Push the mulching plug into the discharge chute until it is locked in position.
3. Release the rear chute flap. It will close back to cover the mulching plug.

## **INSTALLING THE SIDE DISCHARGE CHUTE**

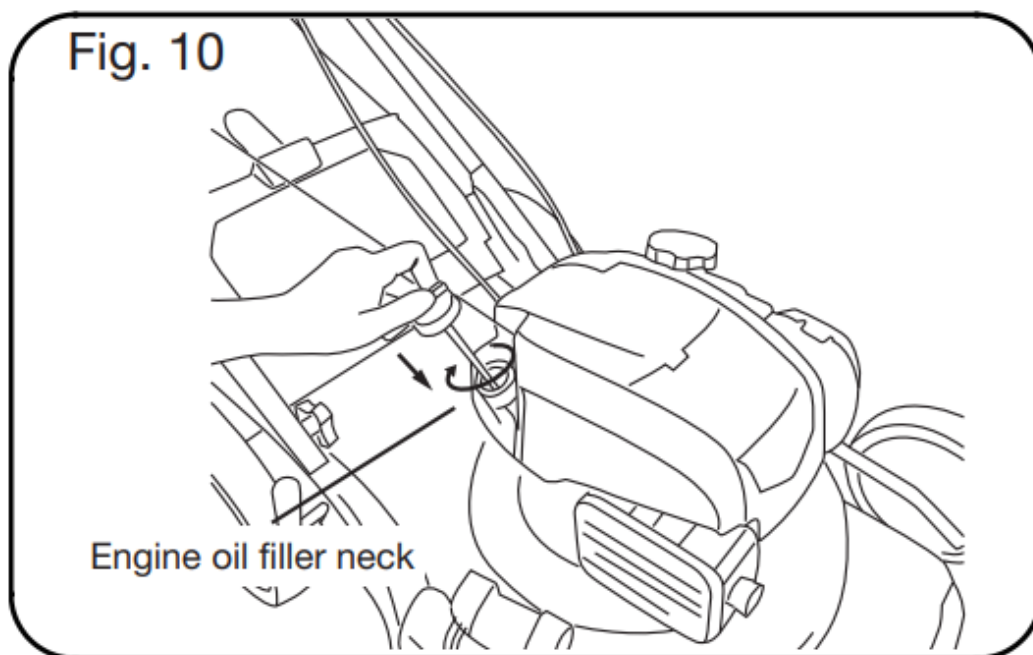
As shown in Fig. 9



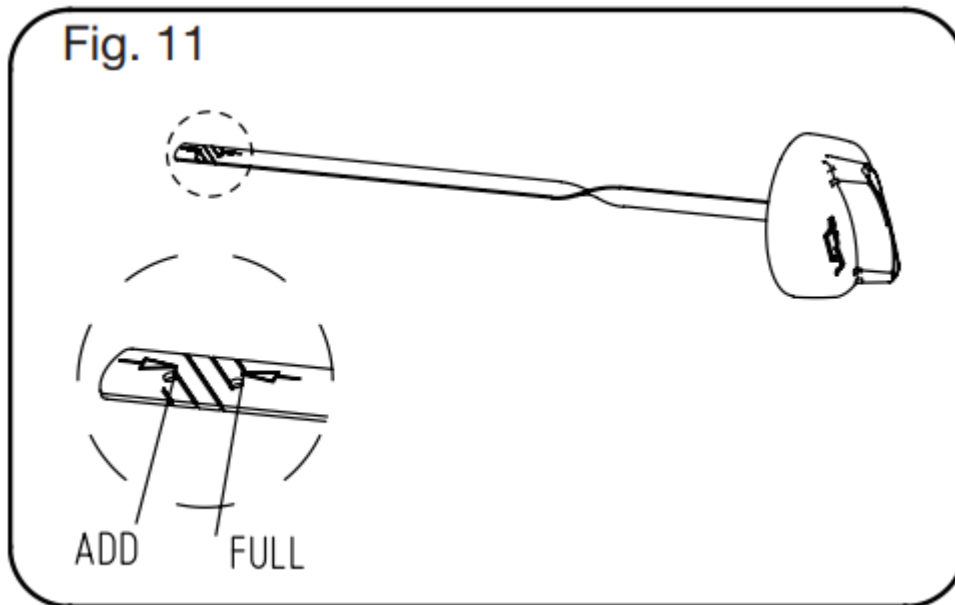
## CHECKING AND FILLING ENGINE OIL

As shown in Figs. 10 to 11

1. Remove the oil filler dipstick and wipe oil from it with a clean cloth (see Fig. 10).



2. Insert the dipstick into the oil filler neck, and tighten it.
3. Remove the dipstick and check the oil level: the oil level must be between the Min and Max marks on the dipstick. If near the lower level, fill to upper level with the recommended oil (SAE30 or equivalent). Do not overfill. Wipe away any spilled oil (see Fig. 11)

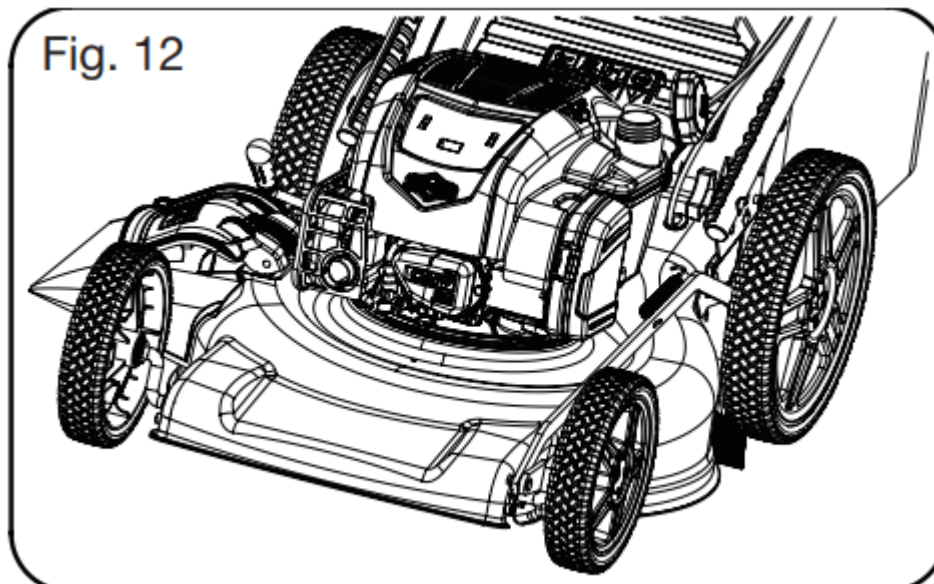


4. Attach oil filler dipstick and tighten by hand.
5. Before using for the first time, add maximum of 15 ounces of oil (supplied, SAE 30).

## FILLING WITH ENGINE FUEL

As shown in Fig. 12

1. Clean the area around the gas filler cap before removing the cap. Remove the warning tag, and check the fuel level (see Fig. 12).

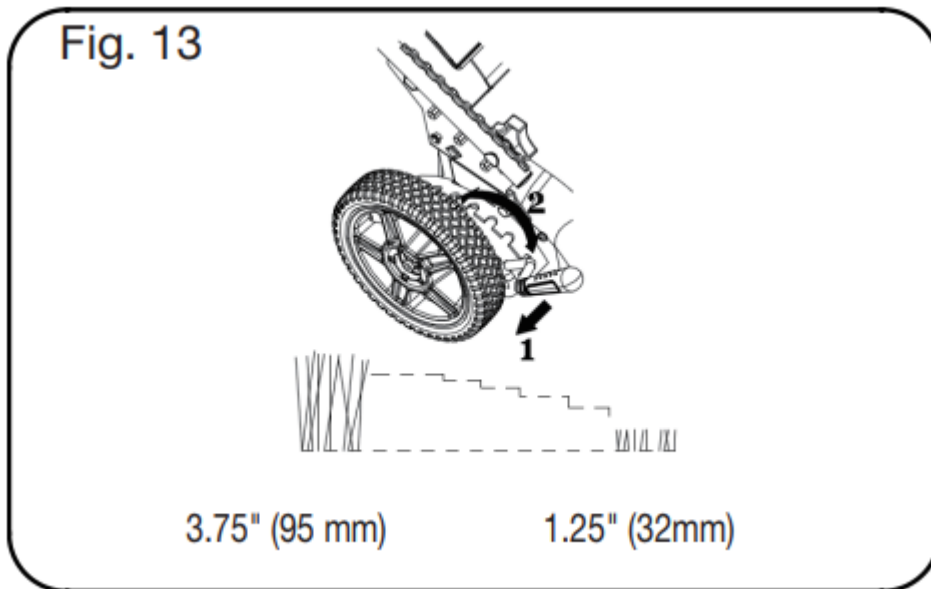


2. Refill the tank if the fuel level is low.
3. Refuel carefully to avoid overfilling or spilling fuel. There should be no fuel in the filler neck.

4. Clean up any overflow or splashes of gas before starting the engine.
5. Tighten the filler cap after filling: finger tight only.

## SETTING THE CUTTING HEIGHT

As shown in Fig. 13



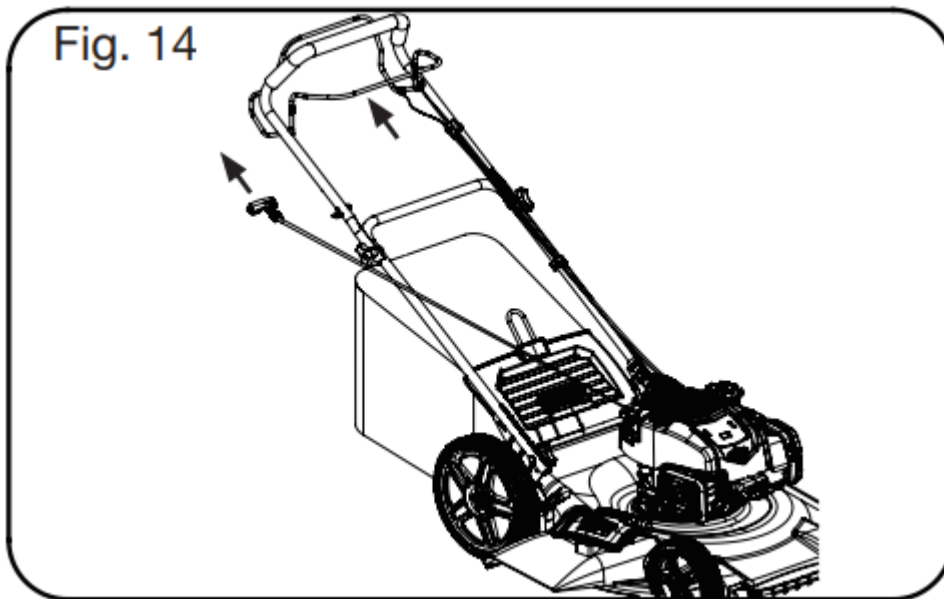
## OPERATION

### TO START THE ENGINE

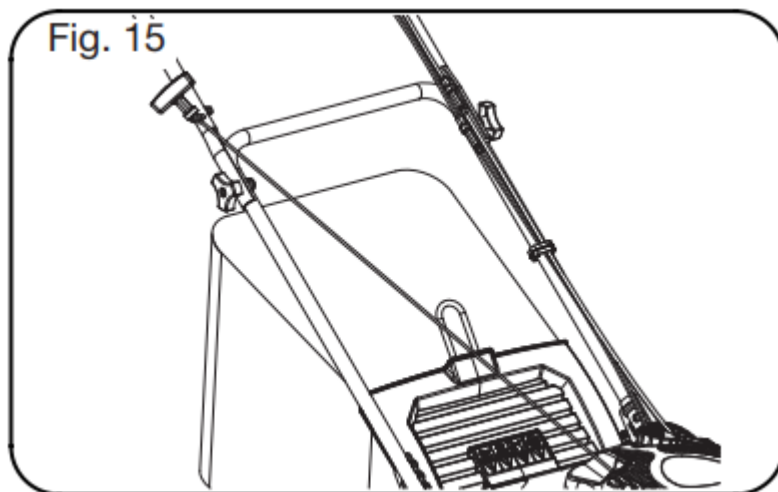
**NOTE:** Due to protective coatings on the engine, a small amount of smoke may be present during the initial use of the lawn mower. This is normal.

**NOTE:** Your engine is equipped with an automatic choke system. No priming or choking is required before starting.

1. The engine equipped with an automatic choke system. No priming or choking is required before starting for your mower.
2. Stand behind the mower. Pull the Engine On/Off Control Bar toward upper handle with one hand and place the other hand on the Engine Start Handle.
3. Pull the starter handle out approximately 4" to 6" until you feel a resistance and then start the engine with a sharp pull (see Fig.14). DO NOT allow the starter rope to snap back.

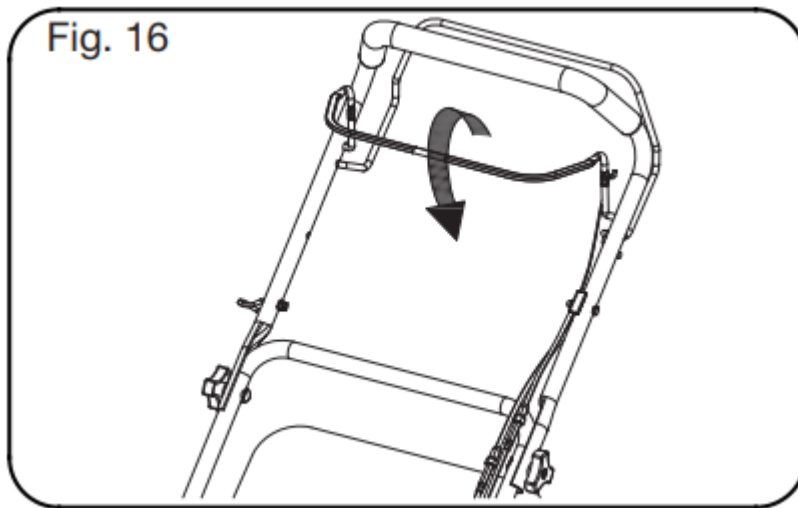


4. Once the engine is running, put the starter rope into the rope guide (see Fig. 15).



## **TO STOP THE ENGINE**

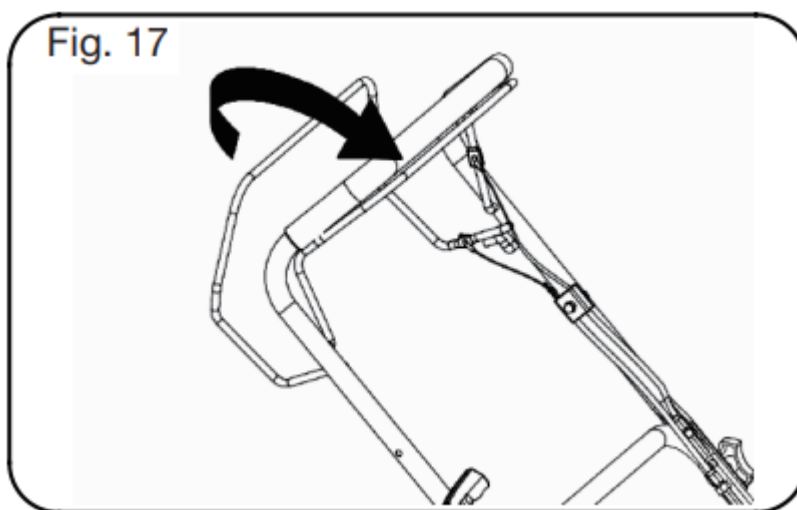
As shown in Fig. 16



Release the Engine On/Off Control Bar. It will return to its initial position and the engine will automatically switch off.

## DRIVE CONTROL

As shown in Fig. 17



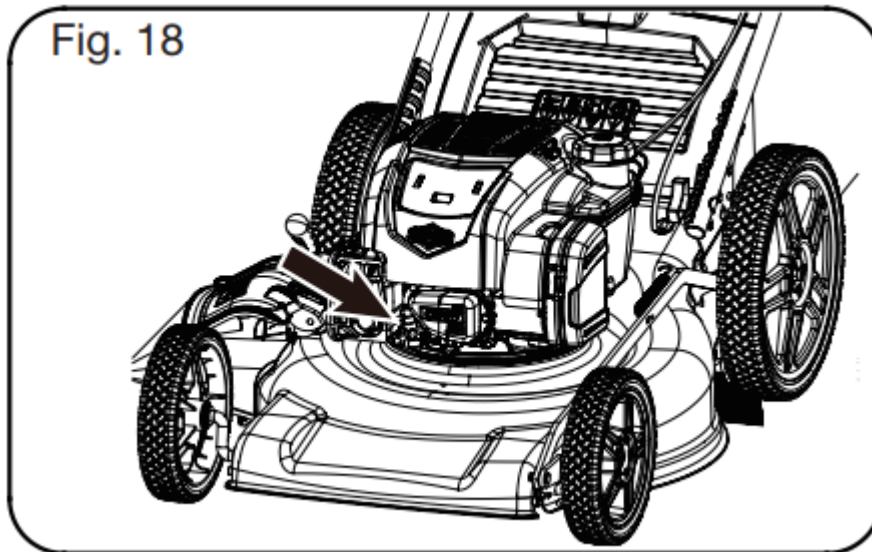
1. Self-propelling is controlled by holding the engine on/off control bar down to the handle and push the self-propelling bar to the handle.
2. To stop forward motion without stopping the engine, release the self-propelled drive control bar while still holding the engine on/off control bar down against the handle to continue mowing without self-propel drive activated.

**NOTE:** After releasing the self-propelling bar, if the mower will not roll backwards, push the mower forward slightly to disengage the drive wheels.

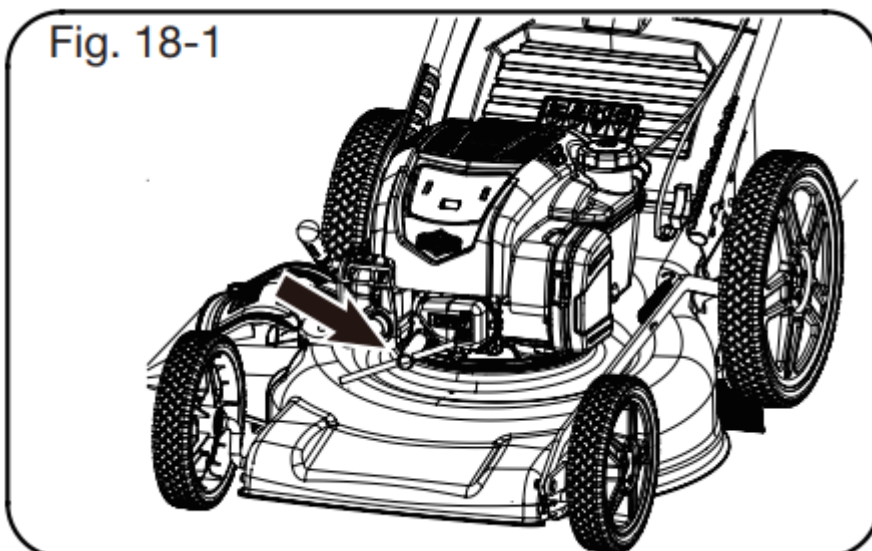
## TO CLEAN A FLOODED ENGINE

**NOTE:** If the engine won't start after you have pulled the engine start rope several times, the engine may be flooded with excess fuel. Use following procedure to clear and start a flooded engine.

1. Release the Engine On/Off Control Bar to stop engine.
2. Remove the spark plug, dry it, and then re-install it. (1) Remove the spark plug cover (see Fig. 18).



- (2) Use a spark plug socket wrench (not supplied) to remove the spark plug (see Fig. 18-1).



- (3) After drying, tighten the spark plug.

**NOTE:** Install the spark plug carefully by hand to avoid cross-threading. After the plug is seated, tighten 1/8 to 1/4 turn with the spark plug socket wrench to compress the washer.

3. Pull the Engine On/Off Control Bar toward upper handle.
4. Operate the starter as described above.

## MOWING

**WARNING:** Always observe the strictest safety procedures when using the lawn mower. Carefully read the safety instructions of this manual before using the lawn mower.

**WARNING:** Never open the rear chute flap when the grass bag has been detached (to be emptied) and the engine is still running. The rotating blade can cause serious injuries!

1. Select your required height and function settings.
2. Start the engine and allow it run. See “To start the engine”.
3. Keep a firm grip on the upper handle with engine on/off control bar and self-propelled drive control bar closed and walk along with it self-propelling to start mowing.

## WORKING TIPS

1. Walk, never run with the mower, and be very careful when mowing uneven or rough ground.
2. Mow across slopes, never up and down.
3. Be careful when changing the direction of the mower on a slope.
4. Do not mow excessively steep slopes.
5. The best result will be achieved if the grass is dry. Wet grass will tend to clog the blade and the grass collection system.
6. Grass grows at different rates at different time of the year. Never use the lowest cutting height for the first cut of the season or in drought conditions.
7. Only about one third of the grass height should be cut.
8. Do not cut high or wet grass when mulching to ensure that the cut grass can be scattered effectively. When you have been cutting for several minutes, please stop the mower and clean the blade and the deck.
9. Do not remove grass debris in the mower casing or on the blade by hand or with your feet. Instead, use suitable tools such as a brush or broom.

## EMPTYING THE GRASS BAG

As soon as grass clippings start to trail the lawn mower, it is time to empty the grass bag.

**NOTE:** Before taking off the grass bag, switch off the engine and wait until the blade has come to a stop.

1. To take off the grass bag, use one hand to lift up rear chute flap and the other to grasp the grass bag handle. The rear chute flap automatically falls down after removing the grass bag and closes off the rear chute opening.

2. Empty the grass debris in the grass bag, and reinstall the grass bag.

**NOTE:** If any grass residue is caught in the discharge chute, clean it using a brush. Do not remove grass debris in the mower casing or on the blade by hand or with your feet. Instead, use suitable tools such as a brush or broom. To ensure that the cut grass can be collected into grass bag, the discharge opening and inside the mower casing must be cleared of any blockage.

## MAINTENANCE AND STORAGE

**WARNING:** Before performing any maintenance or cleaning work, switch off the engine and wait until the blade has come to a stop.

### CLEANING

#### GENERAL CLEANING

The lawn mower should be cleaned thoroughly every time after it has been used. Always clean your lawn mower immediately after use.

Do not allow grass cuttings and other debris to become dry and hard on any of the mower surfaces.

Dried grass remnants and dirt may impair the mowing operation.

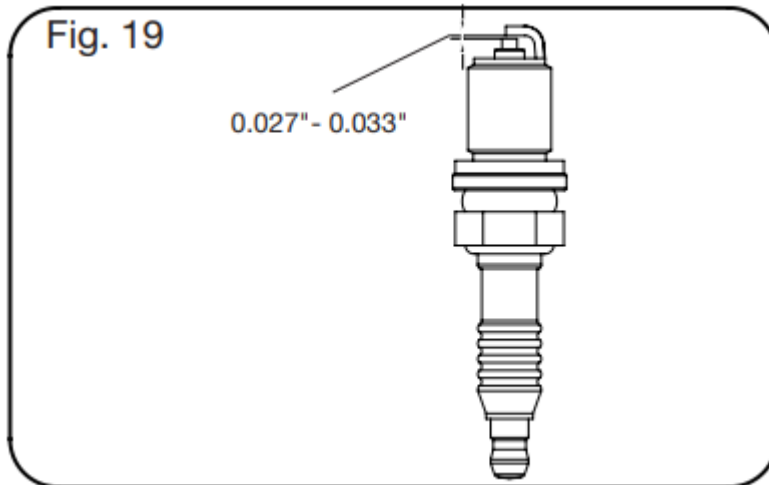
Check that the grass chute is free of any residual grass. Remove any such residue. Check the underside of the lawn mower and the blade mount. When checking, tilt the lawn mower onto its left side (opposite the oil filler neck).

**NOTE:** Before placing the lawn mower on its side, fully drain the fuel tank using a gas extraction pump.

Do not tilt the lawn mower by more than 90 degrees.

#### MAINTENANCE OF THE SPARK PLUG

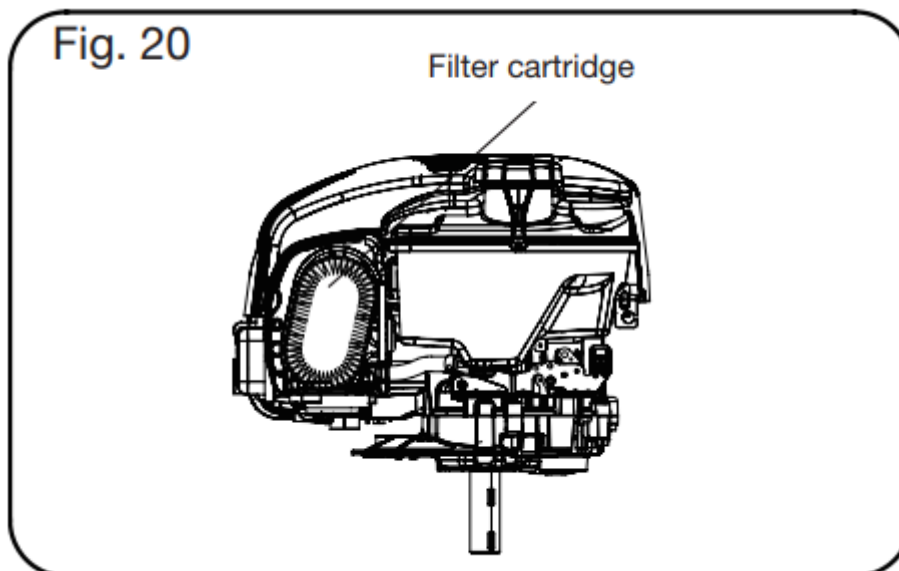
As shown in Fig. 19



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. 20



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.

## 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.

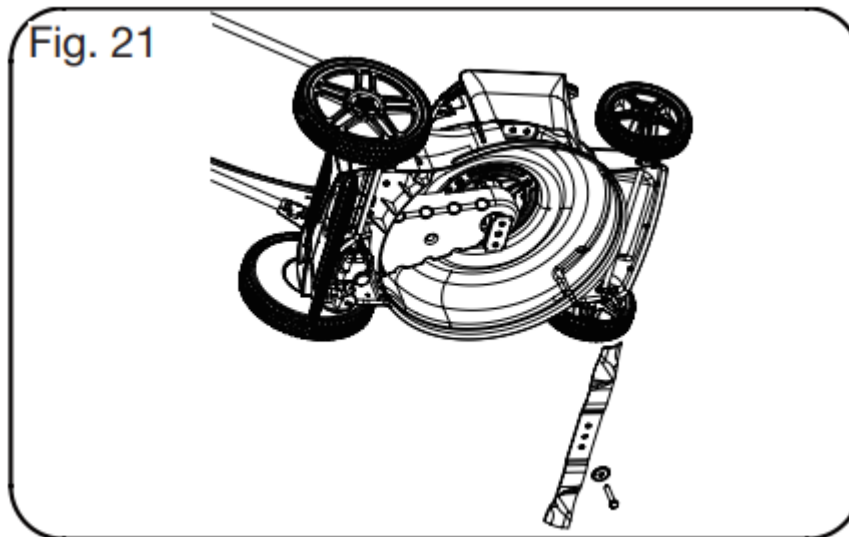
## REPLACING THE BLADE

For safety reasons you should only ever have your blade sharpened, balanced and mounted by an authorized service workshop. For optimum results, it is recommended that the blade be inspected once a year.

For safety reasons we recommend that the blade only be changed by someone qualified and authorized to do so.

Hold the blade and unscrew the blade bolt counter-clockwise using a wrench. Remove the washer and the blade.

Fit a new blade or re-sharpen the blade. Place the blade on the two studs on the blade flange and then replace the washer and bolts. Make sure the blade is correctly located, and then firmly tighten the bolt. Do not over tighten. The up turn of the blade must project into the motor compartment.



### **STORING THE LAWN MOWER FOR SHORT PERIODS**

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

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

### **STORING THE LAWN MOWER FOR EXTENDED PERIODS**

If the lawn mower is to be placed into storage for more than 15 days, storage maintenance must be performed on the lawn mower. If the following steps are not carried out, when you next operate the lawnmower 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.

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

## MAINTENANCE SCHEDULE

Performing routine maintenance correctly on your lawn mower 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 lawn mower 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 LAWN MOWER

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

**WARNING:** Before performing any maintenance or cleaning work, switch off the engine and wait until the blade has come to a stop.

### Caution!

Improper repairs can result in the product functioning unsafely. This endangers yourself and your environment.

Faults which cannot be rectified with the aid of following table may require service by an authorized Yard Force or Briggs & Stratton repair center.

Please be aware that any improper repairs will also invalidate the warranty and additional costs may be incurred.

Use only genuine spare parts. Only these spare parts are designed and suitable for this lawn mower. The use of other spare parts not only voids the warranty, you can also endanger yourself and your environment.

<b>Fault/malfunction</b>	<b>Cause</b>	<b>Remedy</b>
Loud while running; machine vibrates heavily.	Screws are loose. Blade fasteners are loose. Blade is unbalanced.	Tighten screws. Tighten blade fasteners. Replace blade.
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.
Uneven mowing results.	Blade is blunt. Cutting height is too low.	Sharpen the blade. Set correct height.
Grass bag is not filled sufficiently.	Blade is worn. Grass bag is clogged. Cutting height is not right. The lawn/grass is wet. Discharge channel/housing is blocked. Underside of the mower deck is clogged.	Replace the blade. Empty the grass bag. Correct the cutting height. Allow the lawn to dry. Clean the discharge channel/ housing. Clean the underside of the mower deck.

### **Warning**

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

