# FC2256
# FC2256W
# BC2256
# MC2256

Operator's manual | English

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

## Symbols

WARNING! Clearing saws, brushcutters and trimmers can be dangerous! Careless or incorrect use can result in serious or fatal injury to the operator or others. It is extremely important that you read and understand the contents of the operator's manual.



Please read the operator's manual carefully and make sure you understand the instructions before using the machine.



Always wear:

- A protective helmet where there is a risk of falling objects
- Approved hearing protection
- Approved eye protection



Max. speed of output shaft, rpm




Watch out for thrown objects and ricochets.



The operator of the machine must ensure, while working, that no persons or animals come closer than 15 metres.




Machines fitted with saw blades or grass blades can be thrown violently to the side when the blade comes into contact with a fixed object. This is called blade thrust. The blade is capable of amputating an arm or leg. Always keep people and animals at least 15 metres from the machine.



Always wear approved protective gloves.



Wear sturdy, non-slip boots.

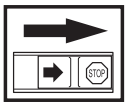


Only use non-metallic, flexible cutting attachments, i.e. trimmer heads with trimmer cord.

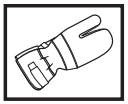


**Other symbols/decals on the machine refer to special certification requirements for certain markets.**

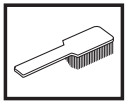
Switch off the engine by moving the stop switch to the STOP position before carrying out any checks or maintenance.




Always wear approved protective gloves.



Regular cleaning is required.



Visual check.



Approved eye protection must always be used.



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## Note the following before starting:

Please read the operator's manual carefully.

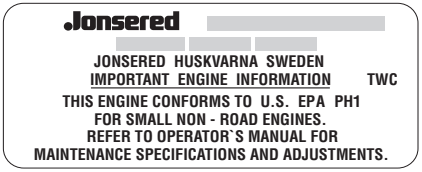
Maintenance, replacement, or repair of the emission control devices and system may be performed by any nonroad engine repair establishment or individual.

**WARNING! Long-term exposure to noise can result in permanent hearing impairment. So always use approved hearing protection.**

**WARNING! Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use genuine accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.**

**Your warranty may not cover damage or liability caused by the use of non-authorized accessories or replacement parts.**

**WARNING! A clearing saw, brushcutter or trimmer can be dangerous if used incorrectly or carelessly, and can cause serious or fatal injury to the operator or others. It is extremely important that you read and understand the contents of this operator's manual.**




This label certify that the product has been certified in accordance with American exhaust requirements EPA 1.

**WARNING**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

# INTRODUCTION

## Dear customer!

Congratulations on your choice to buy a Jonsered product!

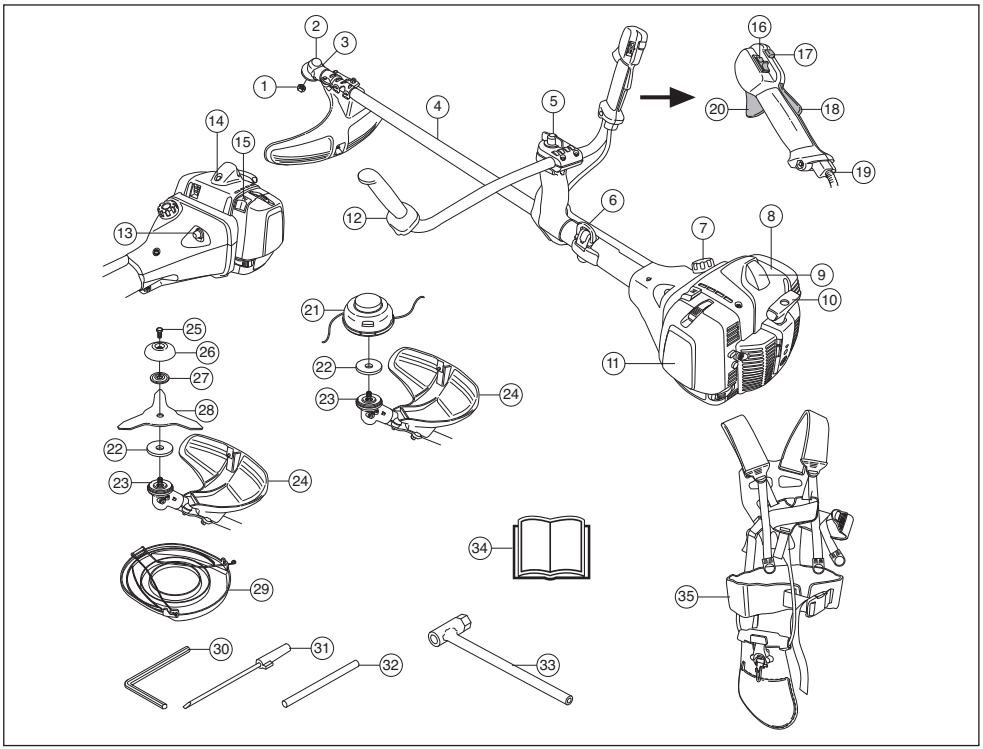
Your purchase gives you access to professional help with repairs and service whenever this may be necessary. If the retailer who sells your machine is not one of our authorized dealers, ask for the address of your nearest servicing dealer.

It is our wish that you will be satisfied with your product and that it will be your companion for a long time. Think of this operator′s manual as a valuable document. By following its′ content (using, service, maintenance etc) the life span and the second-hand value of the machine can be extended. If you ever lend or sell this machine, make sure that the borrower or buyer gets the operator′s manual, so they will also know how to properly maintain and use it.

Good luck on using your Jonsered machine!

Jonsered has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

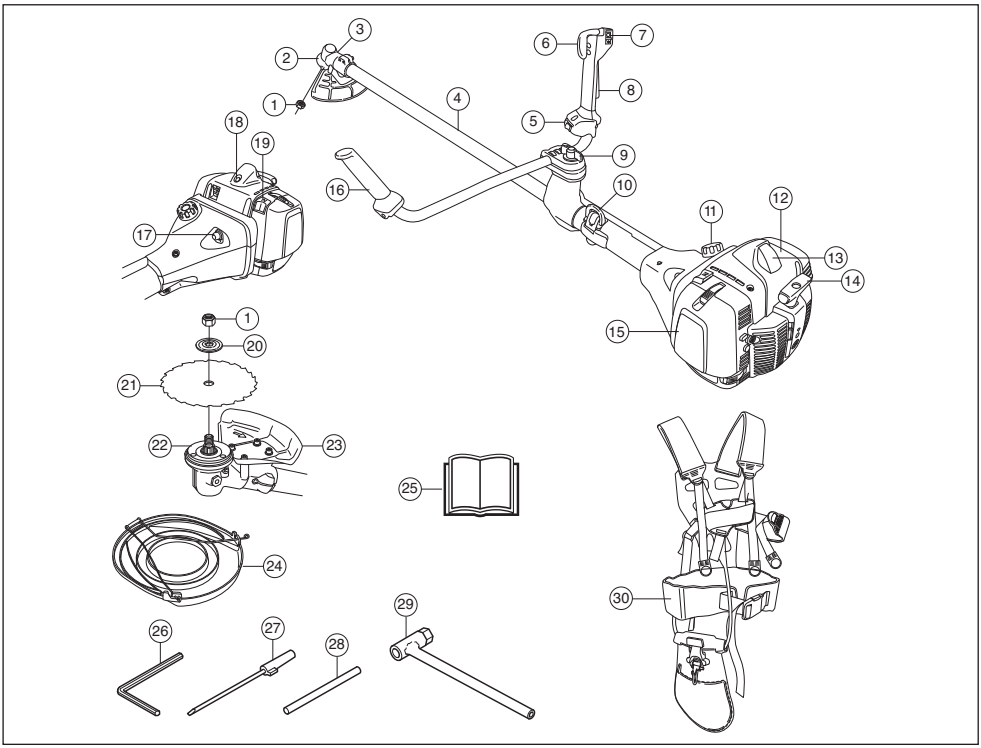
# WHAT IS WHAT?




**What is what on the brush cutter? (BC2256)**

1 Locking nut
2 Bevel gear
3 Grease filler cap, bevel gear
4 Shaft
5 Handle adjustment
6 Support eyes for harness
7 Fuel tank
8 Cylinder cover
9 Spark plug cap and spark plug
10 Starter handle
11 Air filter cover
12 Handlebar
13 Air purge
14 Decompression valve
15 Choke control
16 Stop switch
17 Start throttle button
18 Throttle lockout
19 Adjusting the throttle wire
20 Throttle control
21 Trimmer head
22 Metal cup
23 Drive disc
24 Cutting attachment guard
25 Locking screw
26 Support cup
27 Support flange
28 Grass blade
29 Transport guard
30 Allen key
31 Carburettor screwdriver
32 Locking pin
33 Socket spanner
34 Operator's manual
35 Harness

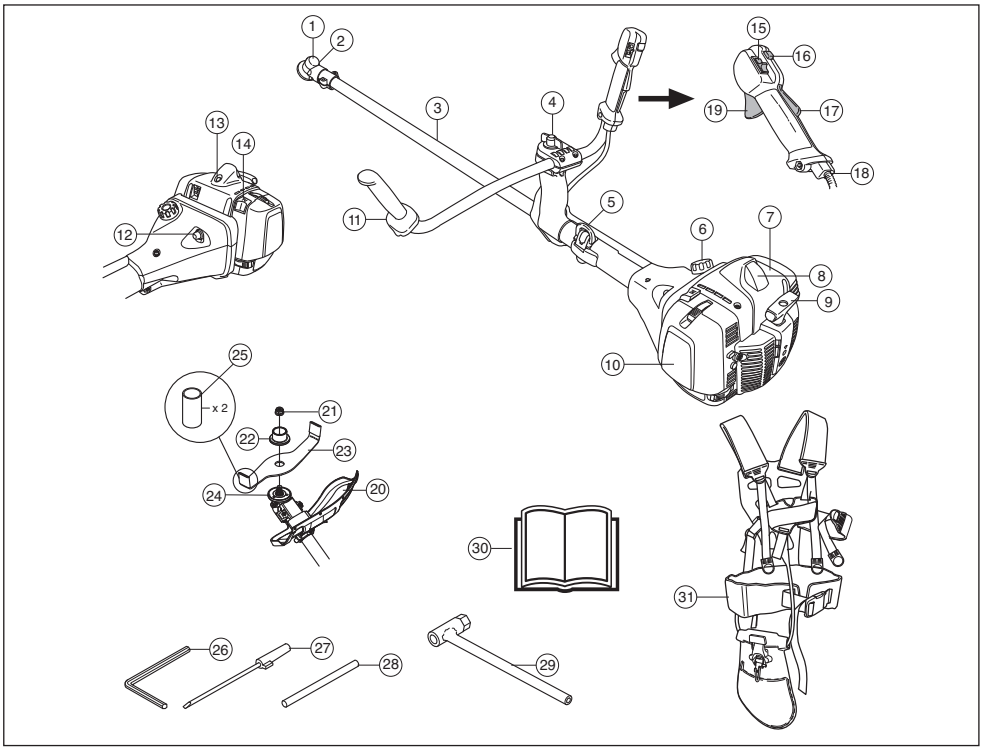
# WHAT IS WHAT?




**What is what on the brush cutter? (FC2256, FC2256W)**

1 Locking nut
2 Bevel gear
3 Grease filler cap, bevel gear
4 Shaft
5 Switch for heated handle (FC2255W)
6 Throttle control
7 Stop switch
8 Throttle lockout
9 Handle adjustment
10 Support eyes for harness
11 Fuel tank
12 Cylinder cover
13 Spark plug cap and spark plug
14 Starter handle
15 Air filter cover
16 Handlebar
17 Air purge
18 Decompression valve
19 Choke control
20 Support flange
21 Saw blade
22 Drive disc
23 Cutting attachment guard
24 Transport guard
25 Operator's manual
26 Allen key
27 Carburettor screwdriver
28 Locking pin
29 Socket spanner
30 Harness

# WHAT IS WHAT?




**What is what on the brush cutter? (MC2256)**

1 Bevel gear
2 Grease filler cap, bevel gear
3 Shaft
4 Handle adjustment
5 Support eyes for harness
6 Fuel tank
7 Cylinder cover
8 Spark plug cap and spark plug
9 Starter handle
10 Air filter cover
11 Handlebar
12 Air purge
13 Decompression valve
14 Choke control
15 Stop switch
16 Start throttle button
17 Throttle lockout
18 Adjusting the throttle wire
19 Throttle control
20 Cutting attachment guard
21 Locking nut
22 Drive disc
23 Shredder blade
24 Support flange
25 Transport guard
26 Allen key
27 Carburettor screwdriver
28 Locking pin
29 Socket spanner
30 Operator's manual
31 Harness

# GENERAL SAFETY PRECAUTIONS

## Important

IMPORTANT!

The machine is only designed for trimming grass, grass clearing and/or forestry clearing.

The only accessories you can operate with this engine unit are the cutting attachments we recommend in the chapter on Technical data.

Never use the machine if you are tired, if you have drunk alcohol, or if you are taking medication that could affect your vision, your judgement or your co-ordination.

Wear personal protective equipment. See instructions under the heading ”Personal protective equipment”.

Never use a machine that has been modified in any way from its original specification.

Never use a machine that is faulty. Carry out the checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the heading Maintenance.

All covers, guards and handles must be fitted before starting. Ensure that the spark plug cap and ignition lead are undamaged to avoid the risk of electric shock.

The machine operator must ensure that no people or animals come closer than 15 metres while working. When several operators are working in the same area the safety distance should be at least twice the tree height and no less than 15 metres.

**WARNING! This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.**

**WARNING! Running an engine in a confined or badly ventilated area can result in death due to asphyxiation or carbon monoxide poisoning.**

## Personal protective equipment

IMPORTANT!

A clearing saw, brushcutter or trimmer can be dangerous if used incorrectly or carelessly, and can cause serious or fatal injury to the operator or others. It is extremely important that you read and understand the contents of this operator’s manual.

You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask your dealer for help in choosing the right equipment.

**WARNING! Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the engine stops.**

HELMET

A helmet should be worn if the trees being cleared are taller than 2 m.



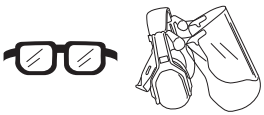
HEARING PROTECTION

Wear hearing protection that provides adequate noise reduction.



EYE PROTECTION

Always wear approved eye protection. If you use a visor then you must also wear approved protective goggles. Approved protective goggles must comply with standard ANSI Z87.1 in the USA or EN 166 in EU countries.



GLOVES

Gloves should be worn when necessary, e.g., when fitting cutting attachments.



BOOTS

Wear boots with steel toe-caps and non-slip sole.



CLOTHING

Wear clothes made of a strong fabric and avoid loose clothing that can catch on twigs and branches. Always wear heavy, long pants. Do not wear jewellery, shorts sandals or go barefoot. Secure hair so it is above shoulder level.

FIRST AID KIT

Always have a first aid kit nearby.




## Machine′s safety equipment

This section describes the machine′s safety equipment, its purpose, and how checks and maintenance should be carried out to ensure that it operates correctly. See the ”What is what?” section to locate where this equipment is positioned on your machine.

The life span of the machine can be reduced and the risk of accidents can increase if machine maintenance is not carried out correctly and if service and/or repairs are not carried out professionally. If you need further information please contact your nearest servicing dealer.

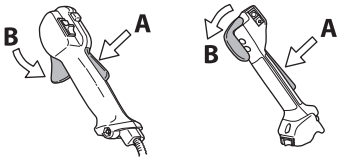
IMPORTANT!

All servicing and repair work on the machine requires special training. This is especially true of the machine′s safety equipment. If your machine fails any of the checks described below you must contact your service agent. When you buy any of our products we guarantee the availability of professional repairs and service. If the retailer who sells your machine is not a servicing dealer, ask him for the address of your nearest service agent.

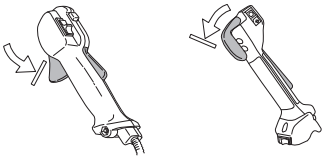
**WARNING! Never use a machine with faulty safety equipment. The machine's safety equipment must be checked and maintained as described in this section. If your machine fails any of these checks contact your service agent to get it repaired.**

### Throttle lockout

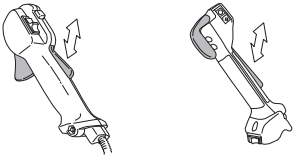
The throttle lockout is designed to prevent accidental operation of the throttle control. When you press the lock (A) (i.e. when you grasp the handle) it releases the throttle control (B). When you release the handle the throttle control and the throttle lockout both move back to their original positions. This movement is controlled by two independent return springs. This arrangement means that the throttle control is automatically locked at the idle setting.



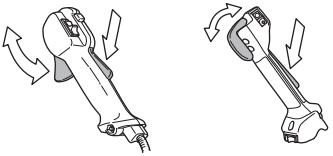

Make sure the throttle control is locked at the idle setting when the throttle lockout is released.



Press the throttle lockout and make sure it returns to its original position when you release it.

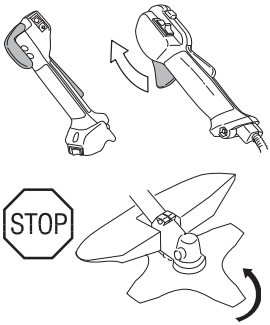


Check that the throttle control and throttle lockout move freely and that the return springs work properly.



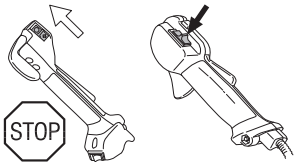
See instructions under the heading Start. Start the machine and apply full throttle. Release the throttle and check that the cutting attachment stops and remains at a standstill. If the cutting attachment rotates with the throttle in the idle position then the carburettor idle setting must

be checked. See instructions under the heading Maintenance.




## Stop switch

Use the stop switch to switch off the engine.

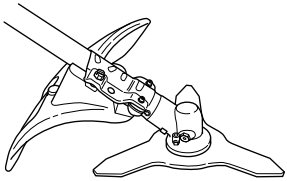



Start the engine and make sure the engine stops when you move the stop switch to the stop setting.

## Cutting attachment guard



This guard is intended to prevent loose objects from being thrown towards the operator. The guard also protects the operator from accidental contact with the cutting attachment.



Check that the guard is undamaged and not cracked. Replace the guard if it has been exposed to impact or is cracked.

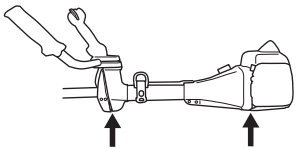
Always use the recommended guard for the cutting attachment you are using. See chapter on Technical data.

**WARNING! Never use a cutting attachment without an approved guard. See the chapter on Technical data. If an incorrect or faulty guard is fitted this can cause serious personal injury.**

## Vibration damping system

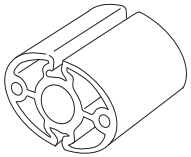


Your machine is equipped with a vibration damping system that is designed to reduce vibration and make operation easier.



Use of incorrectly wound cord or an incorrect cutting attachment increases the level of vibration. See instructions under the heading Cutting equipment.

The machine's vibration damping system reduces the transfer of vibration between the engine unit/cutting equipment and the machine's handle unit.



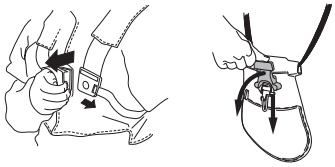
Regularly check the vibration damping units for cracks or deformation. Check that the vibration damping element is undamaged and securely attached.

**WARNING! Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. Such symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin colour or condition. These symptoms normally appear in the fingers, hands or wrists. The risk increases at low temperatures.**

## Quick release

There is an easily accessible, quick release fitted at the front as a safety precaution in case the engine catches fire, or in any other situation that requires you to free yourself from the machine and harness. See instructions under the heading Adjusting the harness and brush

cutter. Certain harnesses also have a quick release fitted to the support hook.



Check that the harness straps are correctly positioned. Once the harness and machine have been adjusted, check that the harness quick release works correctly.

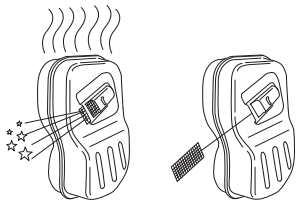
## Muffler



The muffler is designed to keep noise levels to a minimum and to direct exhaust fumes away from the user. A muffler fitted with a catalytic converter is also designed to reduce harmful exhaust gases.



In countries that have a warm and dry climate there is a significant risk of fire. We therefore fit certain mufflers with a spark arrestor screen. Check whether the muffler on your machine is fitted with this kind of screen.



For mufflers it is very important that you follow the instructions on checking, maintaining and servicing your machine. See instructions under the heading Checking, maintaining and servicing the machine's safety equipment.

Never use a machine that has a faulty muffler.



Regularly check that the muffler is securely attached to the machine.

If the muffler on your machine is fitted with a spark arrestor screen this must be cleaned regularly. A blocked screen will cause the engine to overheat and may lead to serious damage.



**WARNING! Mufflers fitted with catalytic converters get very hot during use and remain so for some time after stopping. This also applies at idle speed. Contact can result in burns to the skin. Remember the risk of fire!**

**WARNING! The inside of the muffler contain chemicals that may be carcinogenic. Avoid contact with these elements in the event of a damaged muffler.**

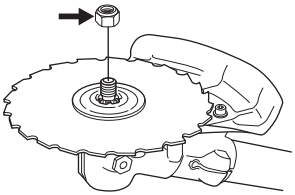
**WARNING! Bear in mind that:**

**The exhaust fumes from the engine are hot and may contain sparks which can start a fire. Never start the machine indoors or near combustible material!**

## Locking nut

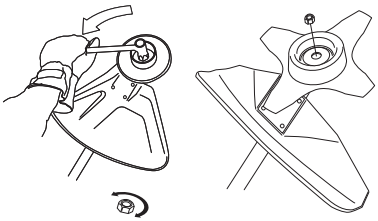


A locking nut is used to secure some types of cutting attachment.



When fitting, tighten the nut in the opposite direction to the direction of rotation of the cutting attachment. To remove it, undo the nut in the same direction as the cutting attachment rotates. (CAUTION! The nut has a left-hand thread.) When loosening and tightening the saw blade nut, there is a risk of injury from the teeth of the saw blade. You should therefore always ensure that your hand is shielded by the blade guard when doing this. Always use a socket spanner with a shaft that is long enough to allow this. The arrow in the diagram shows the area where you

should operate the socket spanner when loosening or tightening the nut.

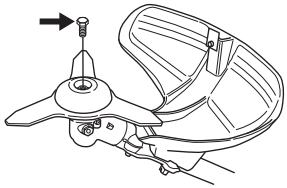


The nylon lining inside the locking nut must not be so worn that you can turn it by hand. The lining should offer a resistance of at least 1.5 Nm. The nut should be replaced after it has been put on approx. 10 times.

### Locking screw



The lock screw must be tightened securely for ball-bearing-mounted support cups.



## Cutting equipment

This section describes how to choose and maintain your cutting equipment in order to:

- Reduce the risk of blade thrust.
- Obtain maximum cutting performance.
- Extend the life of cutting equipment.

IMPORTANT!

Only use cutting attachments with the guards we recommend! See the chapter on Technical data.

Refer to the instructions for the cutting attachment to check the correct way to load the cord and the correct cord diameter.

Keep the teeth of the blade correctly sharpened! Follow our recommendations. Also refer to the instructions on the blade packaging.

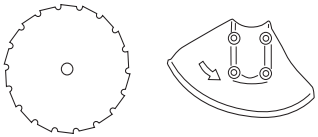
Maintain the correct blade setting! Follow our instructions and use the recommended file gauge.

**WARNING! Always stop the engine before doing any work on the cutting attachment. This continues to rotate even after the throttle has been released. Ensure that the cutting attachment has stopped completely and disconnect the HT lead from the spark plug before you start to work on it.**

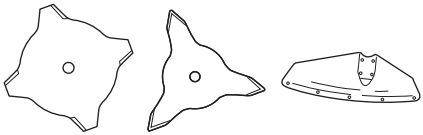
**WARNING! Using an incorrect cutting attachment or an incorrectly sharpened blade increases the risk of blade thrust.**

### Cutting equipment

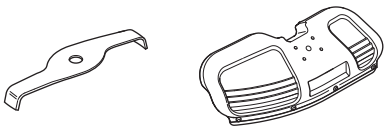
Saw blades are intended for cutting fibrous types of wood.



Grass blades and grass cutters are intended for cutting coarse grass.



Shredder blades are intended for cutting coarse grass and bushes.



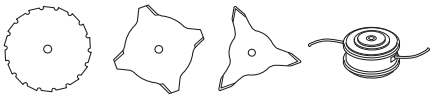
A trimmer head is intended for trimming grass.



**General rules**

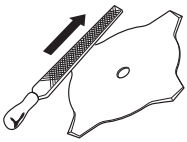


Only use cutting attachments with the guards we recommend! See the chapter on Technical data.

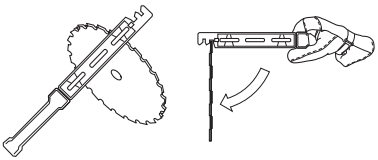


Keep the teeth of the blade correctly sharpened! Follow our instructions and use the recommended file gauge. An

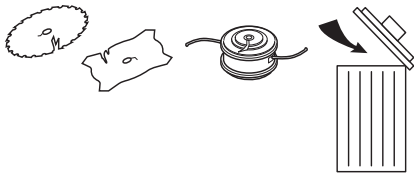
incorrectly sharpened or damaged blade increases the risk of accidents.



Keep the correct setting on the saw blade! Follow our instructions and use the recommended setting tool. An incorrectly set saw blade increases the risk of jamming and blade thrust, and damage to the saw blade.



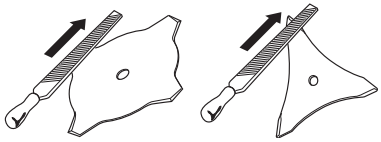
Check the cutting attachment for damage or cracks. A damaged cutting attachment should always be replaced.



## Sharpening grass cutters and grass blades



- See the cutting attachment packaging for correct sharpening instructions. Sharpen blades and cutters using a single-cut flat file.
- Sharpen all edges equally to maintain the balance of the blade.



**WARNING! Always discard a blade that is bent, twisted, cracked, broken or damaged in any other way. Never attempt to straighten a twisted blade so that it can be reused. Only use original blades of the specified type.**

## Sharpening the saw blade

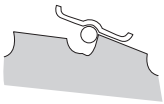


- See the cutting attachment packaging for correct sharpening instructions.

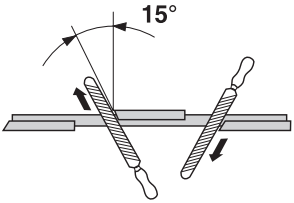
A correctly sharpened blade is essential for working efficiently and to avoid unnecessary wear to the blade and brush cutter.



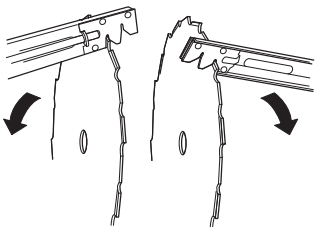
- Make sure that the blade is well supported when you file it. Use a 5.5 mm round file with a file holder.



- The filing angle is 15°. File alternate teeth to the right and those in between to the left. If the blade has been heavily pitted by stones it may be necessary to dress the top edges of the teeth with a flat file, in exceptional cases. If so, this should be done before filing with a round file. The top edges must be filed down by the same amount for all the teeth.




Adjust the blade setting. This should be 1 mm.



## Trimmer head

IMPORTANT!

Always ensure the trimmer cord is wound tightly and evenly around the drum, otherwise the machine will generate harmful vibration.

- Only use the recommended trimmer heads and trimmer cords. These have been tested by the manufacturer to suit a particular engine size. This is especially important when a fully automatic trimmer head is used. Only use the recommended cutting attachment. See the chapter on Technical data.

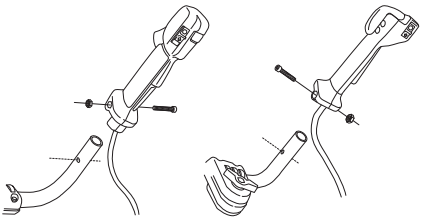


- Smaller machines generally require small trimmer heads and vice versa. This is because when clearing using a cord the engine must throw out the cord radially from the trimmer head and overcome the resistance of the grass being cleared.
- The length of the cord is also important. A longer cord requires greater engine power than a shorter cord of the same diameter.
- Make sure that the cutter on the trimmer guard is intact. This is used to cut the cord to the correct length.
- To increase the life of the cord it can be soaked in water for a couple of days. This will make the line tougher so that it lasts longer.

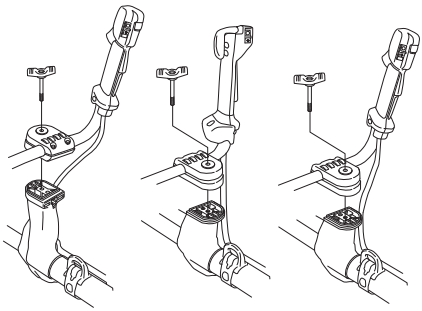
## Assembling the handlebar and throttle

CAUTION! Some models have the throttle handle fitted at the factory.

- Remove the screw at the rear of the throttle handle.
- Slide the throttle handle onto the right side of the handlebar, (see diagram).



- Align the screw hole in the throttle handle with the hole in the handlebar.
- Refit the screw in the hole in the rear of the throttle handle.
- Screw the screw through the handle and handlebar. Tighten it.
- Unscrew the knob from the handlebar mounting.
- Position the handlebar as shown. Fit the mounting components and tighten the knob lightly.



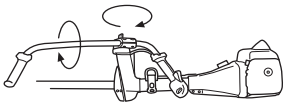
- Put on the harness and hang the machine from the support hook. Now make a final adjustment so that the machine is in a comfortable working position when it hangs from the harness.



- Tighten the knob.

## Transport position, handlebar

- The handlebar can easily be turned to fit along the shaft for easier transportation and storage.
- Loosen the knob. Turn the handlebar clockwise so that the throttle handle rests against the engine.
- Now twist the handlebar around the shaft. Tighten the knob.

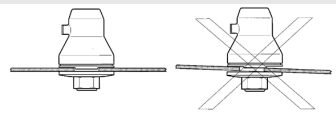


- Fit the transport guard to the cutting attachment.

## Assembling the cutting equipment

**WARNING!**

**When fitting the cutting attachment it is extremely important that the raised section on the drive disc/support flange engages correctly in the centre hole of the cutting attachment. If the cutting attachment is fitted incorrectly it can result in serious and/or fatal personal injury.**



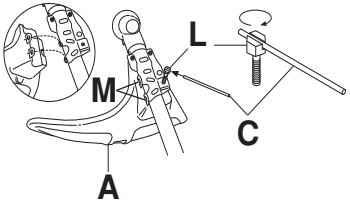
**WARNING! Never use a cutting attachment without an approved guard. See the chapter on Technical data. If an incorrect or faulty guard is fitted this can cause serious personal injury.**

IMPORTANT! If a saw blade or grass blade are to be used the machine must be equipped with the correct handlebar, blade guard and harness.

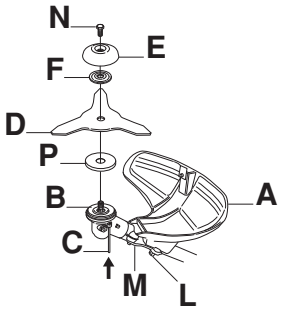
## Fitting the blade guard/ combination guard, grass blade and ball-bearing-mounted support cup



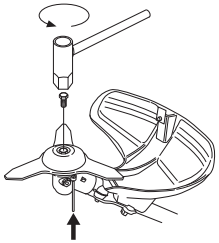
- Hang the trimmer guard/combination guard (A) on the two hooks on the plate holder (M). Bend the guard around the shaft and tighten it with the bolt (L) on the opposite side of the shaft. Use the locking pin (C). Place the locking pin in the groove on the screw head and tighten. See diagram.




- CAUTION! Always use the recommended guard for the cutting attachment you are using. See chapter on Technical data.
- Fit the drive disc (B) on the angle gear's output shaft.
- Centre the metal cup (P) on the drive disc's blade guide.
- Turn the output shaft until one of the holes in the drive disk aligns with the corresponding hole in the gear housing.
- Insert the locking pin (C) in the hole to lock the shaft.
- Position the blade (D) with the drive disk (B). Make sure that the blade is centered by fitting it to the guide on the drive disk.
- Fit the support flange (F) on the output shaft so that it rests against the blade.




- Screw the support cup (E) onto the output shaft threads (CAUTION! Left-hand thread). Tighten to a torque of 35-50 Nm (3.5-5.0 kpm). Use the socket spanner in the tool kit. Note that the locking pin (C) must remain inside the gear housing to lock the drive disk. Hold the shaft of the socket spanner as close to the blade guard/combination guard as possible.



**WARNING! Tighten the lock screw (N) in the center hole of the support cup. Tighten to a torque of 35-50 Nm (3.5-5.0 kpm), CAUTION! Left-hand thread. If the lock screw is not fitted in the support cup, there is a risk that the support cup will come unscrewed. This means that the blade will also come loose, which could result in serious or fatal injury to the operator or others.**

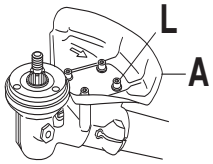
## Fitting the blade guard and saw blade



CAUTION! Always use the recommended guard for the cutting attachment you are using. See chapter on Technical data.

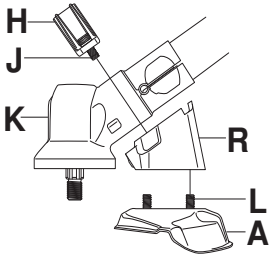
### FC2256, FC2256W

- The blade guard (A) is fitted using 4 screws (L) as shown.

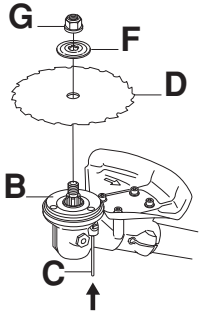


### BC2256

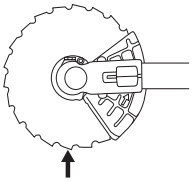
- Fit the holder (R) and bracket (J) with 2 bolts (H) on the gear housing.
- Then fasten the blade guard (A) with 4 bolts (L) in the holder (N).



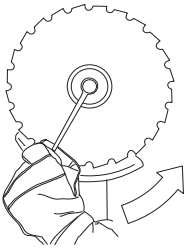

- Fit the drive disc (B) on the output shaft.
- Turn the blade shaft until one of the holes in the drive disc aligns with the corresponding hole in the gear housing.
- Insert the locking pin (C) in the hole to lock the shaft.
- Place the blade (D) and support flange (F) on the output shaft.




- Fit the nut (G). The nut must be tightened to a torque of 35-50 Nm (3.5-5 kpm). Use the socket spanner in the tool kit. Hold the shaft of the spanner as close to the blade guard as possible. To tighten the nut, turn the spanner in the opposite direction to the direction of rotation (Caution! left-hand thread).



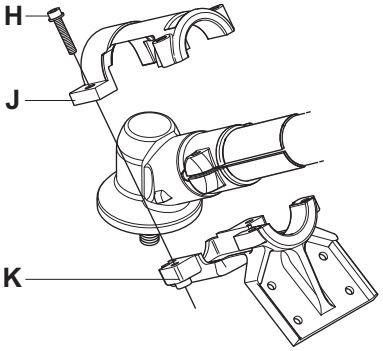
When loosening and tightening the saw blade nut, there is a risk of injury from the teeth of the saw blade. You should therefore always ensure that your hand is shielded by the blade guard when doing this. Always use a socket spanner with a shaft that is long enough to allow this. The arrow in the diagram shows the area where you should operate the socket spanner when loosening or tightening the nut.



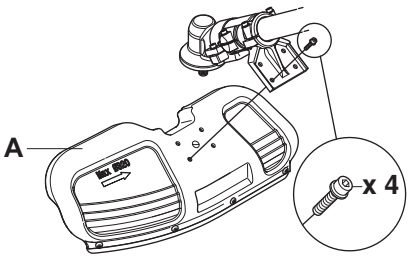
## Fitting the shredder blade and the shredder blade guard (MC2256)



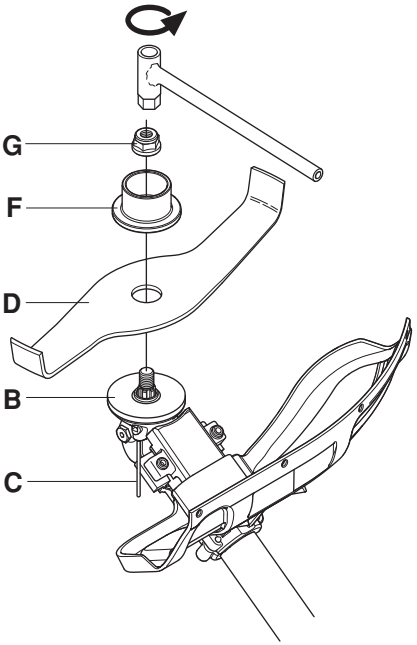
- Fit the holder (K) and bracket (J) with 4 bolts (H) on the gear housing.




- Then fasten the shredder blade guard (A) with 4 bolts in the holder as shown.



- Fit the drive disc (B) on the output shaft.

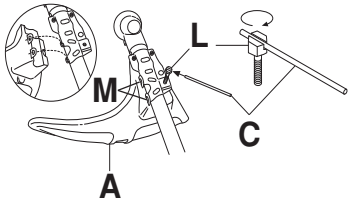



- Turn the blade shaft until one of the holes in the drive disc aligns with the corresponding hole in the gear housing.
- Insert the locking pin (C) in the hole to lock the shaft.
- Place the shredder blade (D) and support flange (F) on the output shaft.
- Fit the nut (G). The nut must be tightened to a torque of 35-50 Nm (3.5-5 kpm). Use the socket spanner in the tool kit. Hold the shaft of the spanner as close to the shredder blade guard as possible.

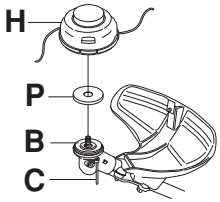
## Fitting other guards and cutting attachments



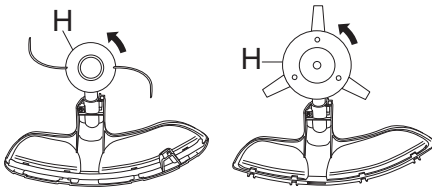
- Fit the trimmer guard/combination guard (A) intended for use with the trimmer head/plastic blades. Hang the trimmer guard/combination guard (A) on the two hooks on the plate holder (M). Bend the guard around the shaft and tighten it with the bolt (L) on the opposite side of the shaft. Use the locking pin (C). Place the locking pin in the groove on the screw head and tighten. See diagram.




- Fit the drive disc (B) on the output shaft.




- Centre the metal cup (P) on the drive disc's blade guide.
- Turn the blade shaft until one of the holes in the drive disc aligns with the corresponding hole in the gear housing.
- Insert the locking pin (C) in the hole to lock the shaft.
- Screw on the trimmer head/plastic blades (H) in the opposite direction to the direction of rotation.




- To dismantle, follow the instructions in the reverse order.

## Adjusting the harness and brush cutter

**WARNING! When using a brush cutter it must always be hooked securely to the harness. Otherwise you will be unable to control the brush cutter safely and this can result in injury to yourself or others. Never use a harness with a defective quick release.**

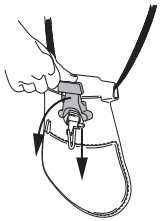
## Vector harness





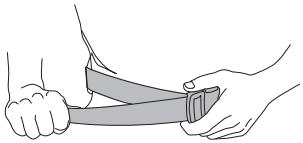
### Safety release

Push down the red release lever to release the machine from the harness.

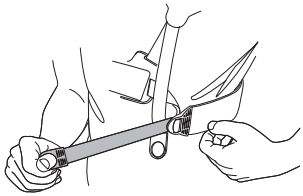


### Adjusting the harness

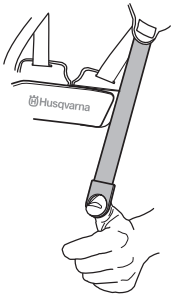
1 Tighten the hip strap so that it sits securely.



2 Tighten the chest strap under your left arm so that it fits closely around your body.



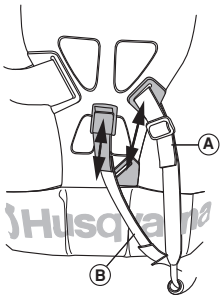
3 Adjust the shoulder strap to distribute the load evenly across your shoulders. Press downwards on the suspension hook to load the harness.




4 Adjust the height of the hanging ring as per the instructions.

5 If you need to lower the suspension hook, for trimming for example, move the suspension strap (A) to the lower mounting point on the backplate.

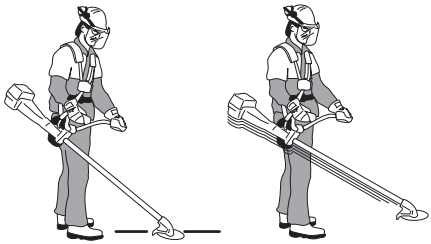
6 The elastic strap (B) can be tightened to transfer more load from the shoulder straps to the hip strap.




### Correct height

1 **Forestry clearing**

The machine should be supported in a harness when forestry clearing so that the cutting equipment is angled slightly forwards in relation to the ground. Adjust the height using the strap on the harness for the support hook.



2 **Grass clearing**

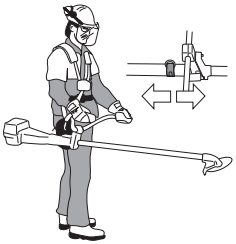
The machine should be supported in a harness when grass clearing so that the cutting equipment is parallel to the ground.



## Correct balance

1 **Forestry clearing**

The machine is balanced by moving the suspension ring on the machine forwards or backwards. On some models the suspension ring is fixed, however, this will then have a number of holes for the support hook. The machine is correctly balanced when it freely hangs horizontally from the support hook. In this way the risk of hitting stones is reduced if you need to release the handlebar.



2 **Grass clearing**

Let the blade balance at a comfortable cutting height, i.e. close to the ground.



## Fuel safety

Never start the machine:

1 If you have spilled fuel on it. Wipe off the spillage and allow remaining fuel to evaporate.

2 If you have spilled fuel on yourself or your clothes, change your clothes. Wash any part of your body that has come in contact with fuel. Use soap and water.

3 If the machine is leaking fuel. Check regularly for leaks from the fuel cap and fuel lines.

### Transport and storage

- Store and transport the machine and fuel so that there is no risk of any leakage or fumes coming into contact with sparks or naked flames, for example, from electrical machinery, electric motors, electrical relays/ switches or boilers.
- When storing and transporting fuel always use approved containers intended for this purpose.
- When storing the machine for long periods the fuel tank must be emptied. Contact your local gas station to find out where to dispose of excess fuel.
- Ensure the machine is cleaned and that a complete service is carried out before long-term storage.
- The transport guard must always be fitted to the cutting attachment when the machine is being transported or in storage.
- Secure the machine during transport.

**WARNING! Take care when handling fuel. Bear in mind the risk of fire, explosion and inhaling fumes.**

## Fuel

CAUTION! The machine is equipped with a two-stroke engine and must always been run using a mixture of gasoline and two-stroke engine oil. It is important to accurately measure the amount of oil to be mixed to ensure that the correct mixture is obtained. When mixing small amounts of fuel, even small inaccuracies can drastically affect the ratio of the mixture.

**WARNING! Fuel and fuel fumes are highly inflammable and can cause serious injury when inhaled or allowed to come in contact with the skin. For this reason observe caution when handling fuel and make sure there is adequate ventilation.**

### Gasoline



CAUTION! Always use a quality gasoline/oil mixture with an octane rating of at least 87 octane ((RON+MON)/2). If your machine is equipped with a catalytic converter (see chapter on Technical data) always use a good quality unleaded gasoline/oil mixture. Leaded gasoline will destroy the catalytic converter.

Use low-emission gasoline, also known as alkylate gasoline, if it is available.



**This engine is certified to operate on unleaded gasoline.**

- The lowest recommended octane grade is 87 ((RON+MON)/2). If you run the engine on a lower octane grade than 87 so-called knocking can occur. This gives rise to a high engine temperature and increased bearing load, which can result in serious engine damage.
- When working at continuous high revs a higher octane rating is recommended.

### Two-stroke oil

- For best results and performance use JONSERED two-stroke engine oil, which is specially formulated for our air-cooled two stroke-engines.
- Never use two-stroke oil intended for water-cooled engines, sometimes referred to as outboard oil (rated TCW).
- Never use oil intended for four-stroke engines.
- Mixing ratio

  1:50 (2%) with JONSERED two-stroke oil.

| **Gasoline, litre** | **Two-stroke oil, litre** |
|---|---|
| | 2% (1:50) |
| 5 | 0,10 |
| 10 | 0,20 |
| 15 | 0,30 |
| 20 | 0,40 |
| **US gallon** | **US fl. oz.** |
| 1 | 2 1/2 |
| 2 1/2 | 6 1/2 |
| 5 | 12 7/8 |

# FUEL HANDLING

## Mixing

- Always mix the gasoline and oil in a clean container intended for fuel.
- Always start by filling half the amount of the gasoline to be used. Then add the entire amount of oil. Mix (shake) the fuel mixture. Add the remaining amount of gasoline.
- Mix (shake) the fuel mixture thoroughly before filling the machine's fuel tank.



- Do not mix more than one month's supply of fuel at a time.
- If the machine is not used for some time the fuel tank should be emptied and cleaned.

**WARNING! The catalytic converter muffler gets very hot during and after use. This also applies during idling. Be aware of the fire hazard, especially when working near flammable substances and/or vapours.**

## Fueling

**WARNING! Taking the following precautions, will lessen the risk of fire:**

**Do not smoke or place hot objects near fuel.**

**Always shut off the engine before refuelling.**

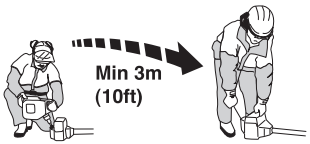
**Always stop the engine and let it cool for a few minutes before refuelling.**

**When refuelling, open the fuel cap slowly so that any excess pressure is released gently.**

**Tighten the fuel cap carefully after refuelling.**

**Always move the machine away from the refuelling area before starting.**

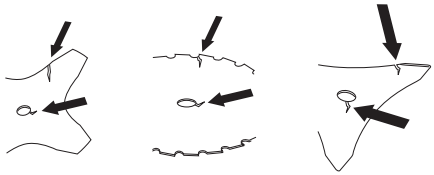
- Clean the area around the fuel cap. Contamination in the tank can cause operating problems.
- Ensure that the fuel is well mixed by shaking the container before filling the tank.



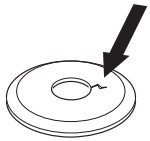
## Check before starting



- Check the blade to ensure that no cracks have formed at the bottom of the teeth or by the centre hole. The most common reason why cracks are formed is that sharp corners have been formed at the bottom of the teeth while sharpening or that the blade has been used with dull teeth. Discard a blade if cracks are found.



- Check that the support flange is not cracked due to fatigue or due to being tightened too much. Discard the support flange if it is cracked.

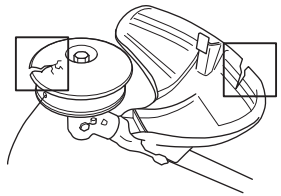


- Ensure the locking nut has not lost its captive force. The nut lock should have a locking force of at least 1.5 Nm. The tightening torque of the locking nut should be 35-50 Nm.



- Check that the blade guard is not damaged or cracked. Replace the blade guard if it is exposed to impact or is cracked.

Check that the trimmer head and trimmer guard are not damaged or cracked. Replace the trimmer head or trimmer guard if they have been exposed to impact or are cracked.



- Never use the machine without a guard nor with a defective guard.
- All covers must be correctly fitted and undamaged before you start the machine.

## Starting and stopping



**WARNING! The complete clutch cover and shaft must be fitted before the machine is started, otherwise the clutch can come loose and cause personal injury.**

**Always move the machine away from the refuelling area before starting. Place the machine on a flat surface. Ensure the cutting attachment cannot come into contact with any object.**

**Make sure no unauthorised persons are in the working area, otherwise there is a risk of serious personal injury. The safety distance is 15 metres.**

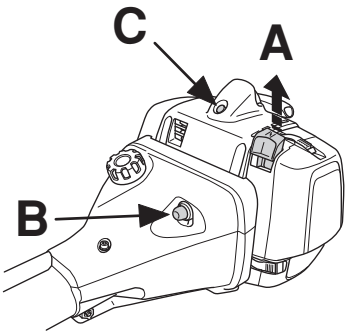
### Cold engine

**Ignition:** Set the stop switch to the start position.

**Choke:** Set the choke control (A) in the choke position.

**Primer bulb:** Press the air purge diaphragm (B) repeatedly until fuel begins to fill the diaphragm. The diaphragm need not be completely filled.

**Decompression valve (C):** Press the valve to reduce the pressure in the cylinder and make starting easier. You should always use the decompression valve when starting the machine. Once the machine has started the valve will automatically return to its original setting.




### Warm engine

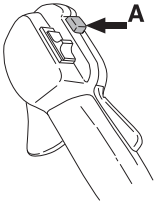
Use the same starting procedure as for a cold engine but without setting the choke control in the choke position.

**Start throttle:** (FC2256, FC2256W, BC2255, MC2255)

Set the throttle to the start position by moving the choke control to the choke position and then returning it to its original position.

**Start throttle:** (BC2256, MC2256)

Set the throttle to the start position by first pressing the throttle lockout and the throttle trigger, then pressing the start throttle button (A). Then release the throttle lockout and the throttle trigger, followed by the start throttle button. The throttle function is now activated. To return the engine to idle, press the throttle lockout and throttle trigger again.



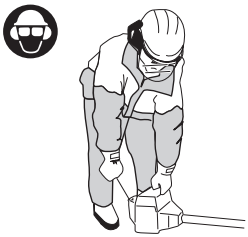

## Starting

**WARNING! When the engine is started with the choke in either the choke or start throttle positions the cutting attachment will start to rotate immediately.**

Hold the body of the machine on the ground using your left hand (CAUTION! Not with your foot!). Grip the starter handle, slowly pull out the cord with your right hand until you feel some resistance (the starter pawls grip), now quickly and powerfully pull the cord. **Never wrap the starter cord around your hand**

Repeat pulling the cord until the engine starts. When the engine starts. return choke control to run position and apply full throttle; the throttle will automatically disengage from the start setting.

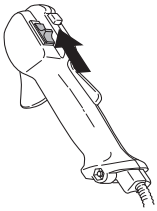
**CAUTION!** Do not pull the starter cord all the way out and do not let go of the starter handle when the cord is fully extended. This can damage the machine.



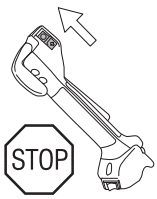
## Stopping

Stop the engine by switching off the ignition.

BC2256, MC2256



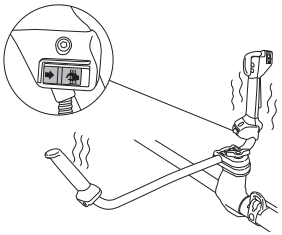
FC2256, FC2256W




## Heated handles

**FC2256W**

Models equipped with heating elements in the handles have an on/off switch on the throttle handle to control the heat. Both the left and right handles have heating elements that automatically maintain a temperature of roughly 70° when the heat is turned on.



## General working instructions

IMPORTANT!

This section describes the basic safety precautions for working with brush cutters and trimmers.

If you encounter a situation where you are uncertain how to proceed you should ask an expert. Contact your dealer or your service workshop.

Avoid all usage which you consider to be beyond your capability.

You must understand the difference between forestry clearing, grass clearing and grass trimming before use.

### Basic safety rules



1 Look around you:

- To ensure that people, animals or other things cannot affect your control of the machine.
- To ensure that people, animals, etc., do not come into contact with the cutting attachment or loose objects that are thrown out by the cutting attachment.
- CAUTION! Do not use the machine unless you are able to call for help in the event of an accident.

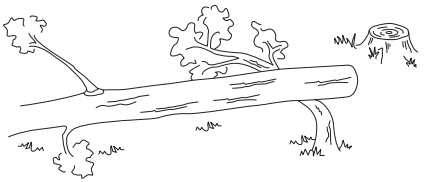
2 Inspect the working area. Remove all loose objects, such as stones, broken glass, nails, steel wire, string, etc. that could be thrown out or become wrapped around the cutting attachment.

3 Do not use the machine in bad weather, such as dense fog, heavy rain, strong wind, intense cold, etc. Working in bad weather is tiring and often brings added risks, such as icy ground, unpredictable felling direction, etc.

4 Make sure you can move and stand safely. Check the area around you for possible obstacles (roots, rocks, branches, ditches, etc.) in case you have to move suddenly. Take great care when working on sloping ground.



5 Take great care when cutting a tree that is under tension. A tree that is under tension may spring back to its normal position before or after being cut. If you position yourself incorrectly or make the cut in the wrong place the tree may hit you or the machine and cause you to lose control. Both situations can cause serious personal injury.



6 Keep a good balance and a firm foothold.

7 Always hold the machine with both hands. Hold the machine on the right side of your body.



8 Keep the cutting attachment below waist level.

9 Switch off the engine before moving to another area. Fit the transport guard before carrying or transporting the equipment any distance.

10 Never put the machine down with the engine running unless you have it in clear sight.

### The ABC of clearing

- Always use the correct equipment.
- Make sure the equipment is well adjusted.
- Follow the safety precautions.
- Organise your work carefully.
- Always use full throttle when starting to cut with the blade.
- Always use sharp blades.
- Avoid stones.
- Control the felling direction (take advantage of the wind).

# WORKING TECHNIQUES

**WARNING! Neither the operator of the machine nor anyone else may attempt to remove the cut material while the engine is running or the cutting equipment is rotating, as this can result in serious injury.**

**Stop the engine and cutting equipment before you remove material that has wound around the blade shaft as otherwise there is a risk of injury. The bevel gear can get hot during use and may remain so for a while afterwards. You could get burnt if you touch it.**

**WARNING! Watch out for thrown objects. Always wear approved eye protection. Never lean over the cutting attachment guard. Stones, rubbish, etc. can be thrown up into the eyes causing blindness or serious injury.**

**Keep unauthorised persons at a distance. Children, animals, onlookers and helpers should be kept outside the safety zone of 15 m. Stop the machine immediately if anyone approaches. Never swing the machine around without first checking behind you to make sure no-one is within the safety zone.**

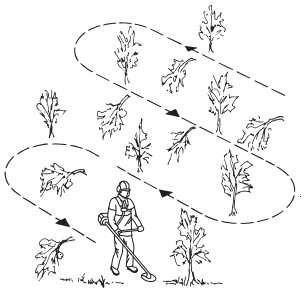
**WARNING! Sometimes branches or grass get caught between the guard and cutting attachment. Always stop the engine before cleaning.**

**Working methods**

**WARNING! Machines fitted with saw blades or grass blades can be thrown violently to the side when the blade comes into contact with a fixed object. This is called blade thrust. A blade thrust can be violent enough to cause the machine and/or operator to be propelled in any direction, and possibly lose control of the machine. Blade thrust can occur without warning if the machine snags, stalls or binds. Blade thrust is more likely to occur in areas where it is difficult to see the material being cut.**

**Avoid cutting with the area of the blade between the 12 o'clock and 3 o'clock positions. Because of the speed of rotation of the blade, blade thrust can occur if you attempt to cut thick stems with this area of the blade.**

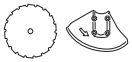
- Before you start clearing, check the clearing area, the type of terrain, the slope of the ground, whether there are stones, hollows etc.
- Start at whichever end of the area is easiest, and clear an open space from which to work.
- Work systematically to and fro across the area, clearing a width of around 4-5 m on each pass. This exploits the full reach of the machine in both directions and gives the operator a convenient and varied working area to work in.



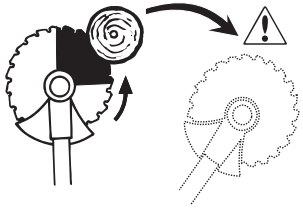
- Clear a strip around 75 m long. Move your fuel can as work progresses.
- On sloping ground you should work along the slope. It is much easier to work along a slope than it is to work up and down it.
- You should plan the strip so that you avoid going over ditches or other obstacles on the ground. You should also orient the strip to take advantage of wind conditions, so that cleared stems fall in the cleared area of the stand.



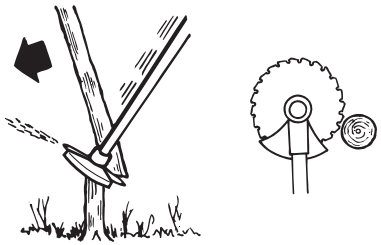
## Forestry clearing using a saw blade

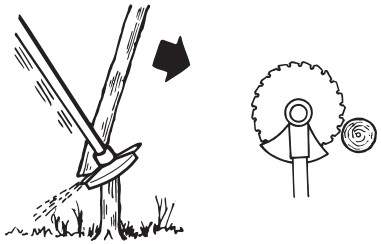
- The risk of blade thrust increases with increasing stem size. You should therefore avoid cutting with the area of the blade between 12 o'clock and 3 o'clock.



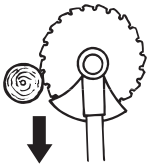
- To fell to the left, the bottom of the tree should be pushed to the right. Tilt the blade and bring it diagonally down to the right, exerting firm pressure. At the same time push the stem using the blade guard. Cut with the area of the blade between 3 o'clock and 5 o'clock. Apply full throttle before advancing the blade.



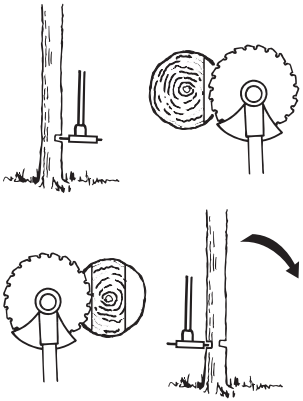
- To fell to the right, the bottom of the tree should be pushed to the left. Tilt the blade and bring it diagonally up to the right. Cut with the area of the blade between 3 o'clock and 5 o'clock so that the direction of rotation of the blade pushes the bottom of the tree to the left.



- To fell a tree forwards, the bottom of the tree should be pulled backwards. Pull the blade backwards with a quick, firm movement.

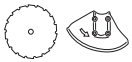


- Large stems must be cut from two sides. First determine which direction the stem will fall. Make the first cut on the felling side. Then finish cutting the stem from the other side. Adjust the cutting pressure to match the size of the stem and the hardness of the wood. Small stems require more pressure, while large stems require less pressure.



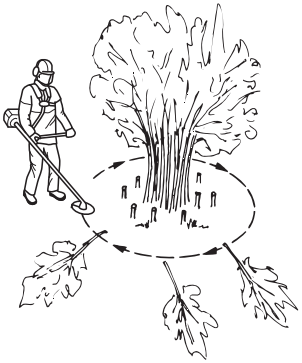
- If the stems are tightly packed, adapt your walking pace to suit.
- If the blade jams in a stem, never jerk the machine free. If you do this the blade, bevel gear, shaft or handlebar may be damaged. Release the handles, grip the shaft with both hands and gently pull the machine free.

## Brush cutting with a saw blade

- Thin stems and brush are mown down. Work with a sawing movement, swinging sideways.
- Try to cut several stems in a single sawing movement.
- With groups of hardwood stems, first clear around the group. Start by cutting the stems high up around the outside of the group to avoid jamming. Then cut the stems to the required height. Now try to reach in with the blade and cut from the centre of the group. If it is

still difficult to gain access, cut the stems high up and let them fall. This will reduce the risk of jamming.

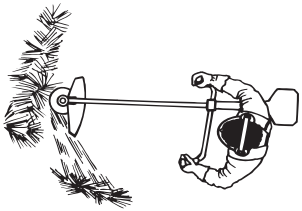


## Grass clearing using a grass blade





- Grass blades and grass cutters must not be used on woody stems.
- A grass blade is used for all types of tall or coarse grass.
- The grass is cut down with a sideways, swinging movement, where the movement from right-to-left is the clearing stroke and the movement from left-to-right is the return stroke. Let the left-hand side of the blade (between 8 and 12 o'clock) do the cutting.



- If the blade is angled to the left when clearing grass, the grass will collect in a line, which makes it easier to collect, e.g. by raking.
- Try to work rhythmically. Stand firmly with your feet apart. Move forward after the return stroke and stand firmly again.
- Let the support cup rest lightly against the ground. It is used to protect the blade from hitting the ground.
- Reduce the risk of material wrapping around the blade by following these instructions:

  1Always work at full throttle.

  2Avoid the previously cut material during the return stroke.

- Stop the engine, unclip the harness and place the machine on the ground before you start to collect the cut material.

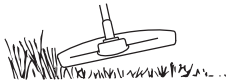
## Grass trimming with a trimmer head





**Trimming**

- Hold the trimmer head just above the ground at an angle. It is the end of the cord that does the work. Let the cord work at its own pace. Never press the cord into the area to be cut.



- The cord can easily remove grass and weeds up against walls, fences, trees and borders, however it can also damage sensitive bark on trees and bushes, and damage fence posts.
- Reduce the risk of damaging plants by shortening the cord to 10-12 cm and reducing the engine speed.

**Clearing**

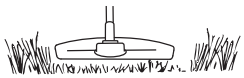
- The clearing technique removes all unwanted vegetation. Keep the trimmer head just above the ground and tilt it. Let the end of the cord strike the ground around trees, posts, statues and the like. CAUTION! This technique increases the wear on the cord.



- The cord wears quicker and must be fed forward more often when working against stones, brick, concrete, metal fences, etc., than when coming into contact with trees and wooden fences.
- When trimming and clearing you should use less than full throttle so that the cord lasts longer and to reduce the wear on the trimmer head.

**Cutting**

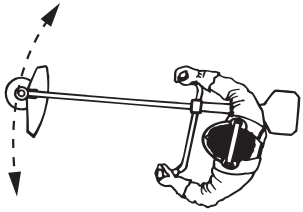
- The trimmer is ideal for cutting grass that is difficult to reach using a normal lawn mower. Keep the cord parallel to the ground when cutting. Avoid pressing the trimmer head against the ground as this can ruin the lawn and damage the tool.



- Do not allow the trimmer head to constantly come into contact with the ground during normal cutting. Constant contact of this type can cause damage and wear to the trimmer head.

**Sweeping**

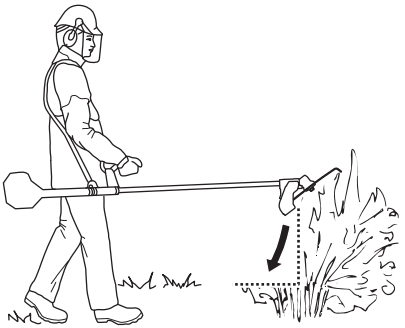
- The fan effect of the rotating cord can be used for quick and easy clearing up. Hold the cord parallel to and above the area to be swept and move the tool to and fro.



- When cutting and sweeping you should use full throttle to obtain the best results.

## Shredding dense vegetation with a shredder blade

- The brush cutter is used to ”shred” vegetation, i.e. by woking it up and down through dense grass and brush.



- The shredder blade must not be used on vegetation with a stem diameter larger than 2 cm.

## Carburetor

Your Jonsered product has been designed and manufactured to specifications that reduce harmful exhaust fumes. The engine will be run in after it has used 8-10 tanks of fuel. To ensure that the engine runs at peak performance and produces as little harmful exhaust fumes as possible after the running-in period, ask your dealer/service workshop (which has a rev counter for this purpose) to adjust your carburettor.

### Function

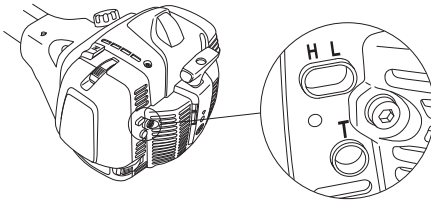


- The carburetor governs the engine's speed via the throttle control. Air and fuel are mixed in the carburetor. The air/fuel mixture is adjustable. Correct adjustment is essential to get the best performance from the machine.
- The setting of the carburetor means that the engine is adapted to local conditions, for example, the climate, altitude, fuel and the type of 2-stroke oil.
- The carburetor has three adjustment controls:

  L = Low speed jet

  H = High speed jet

  T = Idle adjustment screw




- The L and H-jets are used to adjust the supply of fuel to match the rate that air is admitted, which is controlled with the throttle. If they are screwed clockwise the air/fuel ratio becomes leaner (less fuel) and if they are turned anti-clockwise the ratio becomes richer (more fuel). A lean mixture gives a higher engine speed and a rich mixture gives a lower engine speed.
- The T-screw regulates the throttle setting at idle speed. If the T-screw is turned clockwise this gives a higher idle speed; turning it anti-clockwise gives a lower idle speed.

### Basic setting

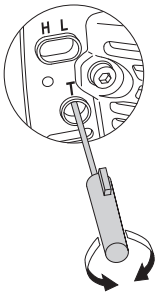
- The basic carburetor settings are adjusted during testing at the factory. The basic setting is richer than the optimal setting and should be maintained for the first few hours the machine is in use. The carburettor should then be finely adjusted. Fine adjustment should be carried out by a skilled technician.

**CAUTION!** If the cutting attachment rotates when the engine is idling the idle adjustment screw T should be turned anti-clockwise until the cutting attachment stops.

### Adjustment of the idle speed

Before any adjustments are made, make sure that the air filter is clean and the air filter cover is fitted.

Adjust the idle speed using the idle adjustment screw T, if it is necessary to readjust. First turn the idle adjustment screw T clockwise until the cutting attachment starts to rotate. Then turn the screw anticlockwise until the cutting attachment stops. The idle speed is correctly adjusted when the engine will run smoothly in every position. The idle speed should also be well below the speed at which the cutting attachment starts to rotate.

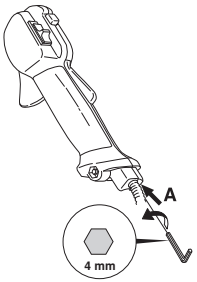



**Rec. idle speed:** See the Technical data section.

**WARNING! If the idle speed cannot be adjusted so that the cutting attachment stops, contact your dealer/service workshop. Do not use the machine until it has been correctly adjusted or repaired.**

### Adjusting the start throttle speed (BC2256, MC2256)

The correct start throttle speed is set by means of an adjuster on the rear of the handle next to the cable. Use this screw (5 mm Allen screw) to increase or decrease the start throttle speed.




**Proceed as follows:**

1 Run the machine at idle.

2 Press the start throttle lock as described under the heading Starting and stopping.

3 If the start throttle speed is too low (below 4000 rpm), turn the adjuster screw A clockwise until the cutting attachment starts to rotate. Then turn A clockwise a further 1/2 turn.

4 If the start throttle speed is too high (above 6500 rpm), turn the adjuster screw A anti-clockwise until the cutting attachment stops. Then turn adjuster screw A clockwise a further 1/2 turn.

## Muffler



**CAUTION!** Some mufflers are fitted with a catalytic converter. See chapter on Technical data to see whether your machine is fitted with a catalytic converter.

The muffler is designed to reduce the noise level and to direct the exhaust gases away from the operator. The exhaust gases are hot and can contain sparks, which may cause fire if directed against dry and combustible material.

Some mufflers are equipped with a special spark arrestor screen. If your machine has this type of muffler, you should clean the screen at least once a week. This is best done with a wire brush.

On mufflers without a catalytic converter the screen should be cleaned weekly, or replaced if necessary. On mufflers fitted with a catalytic converter the screen should be checked, and if necessary cleaned, monthly. **If the screen is damaged it should be replaced.**

If the screen is frequently blocked, this can be a sign that the performance of the catalytic converter is impaired. Contact your dealer to inspect the muffler. A blocked screen will cause the machine to overheat and result in damage to the cylinder and piston.



**CAUTION!** Never use a machine with a defective muffler.

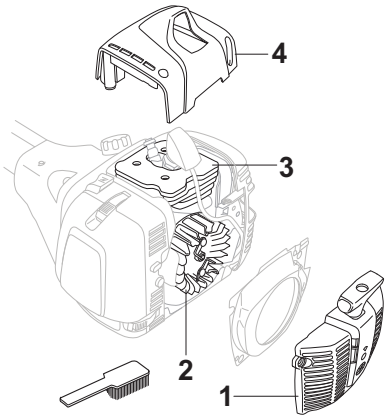
**WARNING! Mufflers fitted with catalytic converters get very hot during use and remain so for some time after stopping. This also applies at idle speed. Contact can result in burns to the skin. Remember the risk of fire!**

## Cooling system



To keep the working temperature as low as possible the machine is equipped with a cooling system.

The cooling system consists of:




1 Air intake on the starter.

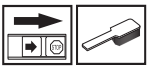
2 Fins on the flywheel.

3 Cooling fins on the cylinder.

4 Cylinder cover (directs cold air over the cylinder).

Clean the cooling system with a brush once a week, more often in demanding conditions. A dirty or blocked cooling system results in the machine overheating which causes damage to the piston and cylinder.

## Air filter



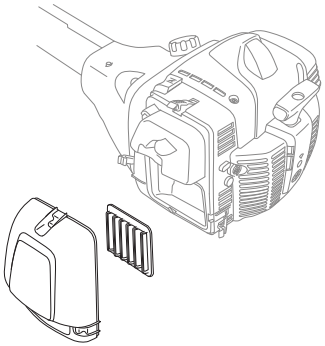
The air filter must be regularly cleaned to remove dust and dirt in order to avoid:

- Carburettor malfunctions
- Starting problems
- Loss of engine power
- Unnecessary wear to engine parts
- Excessive fuel consumption.

Clean the filter every 25 hours, or more regularly if conditions are exceptionally dusty.

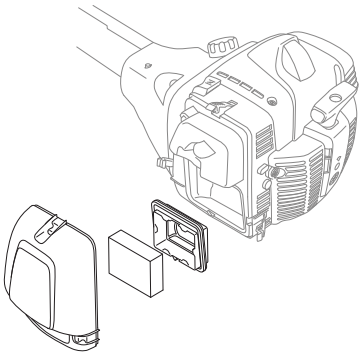
### Cleaning the air filter (FC2256, FC2256W)

Remove the air filter cover and take out the filter. Wash it clean in warm, soapy water.



### Cleaning the air filter (BC2256, MC2256)

Remove the air filter cover and take out the filter. Wash it clean in warm, soapy water.

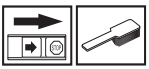


Ensure that the filter is dry before refitting it.

An air filter that has been in use for a long time cannot be cleaned completely. The filter must therefore be replaced with a new one at regular intervals. **A damaged air filter must always be replaced.**

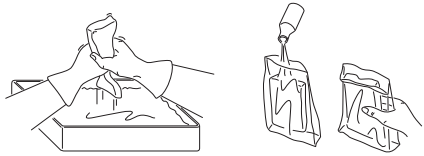
If the machine is used in dusty conditions the air filter should be soaked in oil. See instructions under the heading Oiling the air filter.

### Oiling the air filter



Always use special filter oil. Filter oil contains a solvent to make it spread evenly through the filter. You should therefore avoid skin contact.

Put the filter in a plastic bag and pour the filter oil over it. Knead the plastic bag to distribute the oil. Squeeze the excess oil out of the filter inside the plastic bag and pour off the excess before fitting the filter to the machine. Never use common engine oil. This would drain through the filter quite quickly and collect in the bottom.

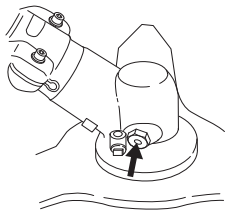


## Bevel gear



The bevel gear is filled with the right amount of grease at the factory. However, before using the machine you should check that the bevel gear is filled 3/4 full with grease. Use JONSERED special grease.

The grease in the bevel gear does not normally need to be changed except if repairs are carried out.



## Drive shaft



The drive shaft must be greased every three months during full-time use. Contact your dealer if you are uncertain about the procedure.

## Spark plug



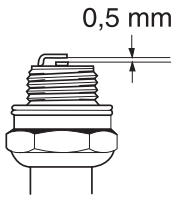
The spark plug condition is influenced by:

- Incorrect carburetor adjustment.
- An incorrect fuel mixture (too much or incorrect type of oil).
- A dirty air filter.

These factors cause deposits on the spark plug electrodes, which may result in operating problems and starting difficulties.

If the machine is low on power, difficult to start or runs poorly at idle speed: always check the spark plug first before taking any further action. If the spark plug is dirty, clean it and check that the electrode gap is 0.020 inch (0.5

mm). The spark plug should be replaced after about a month in operation or earlier if necessary.




**CAUTION!** Always use the recommended spark plug type! Use of the wrong spark plug can damage the piston/cylinder. Check that the spark plug is fitted with a suppressor.

## Winter use

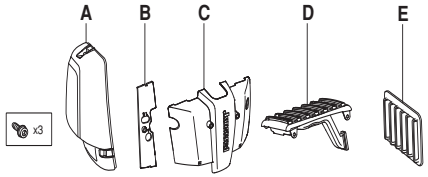
Running problems can occur when using the machine in the cold and snowy conditions caused by:

- Too low engine temperature.
- Icing of the air filter and carburetor.

Special measures are therefore often required:

- Partly mask the air inlet on the starter to increase the working temperature of the engine.
- Preheat the intake air to the carburettor by utilising the heat from the engine.

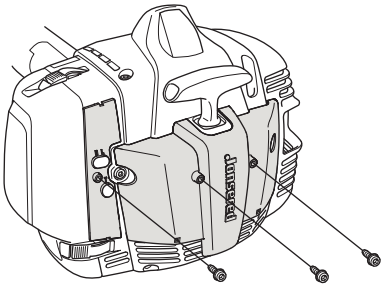
There is a special winter kit available when using the machine in cold and/or snowy conditions, this includes the following:



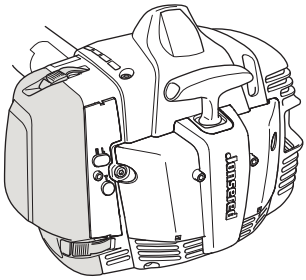

- a special air filter cover without air intake (A)
- a cover for the filter holder (B)
- a cover for the starter housing (C)
- a special wear guard with an air duct (D) that routes the hot air from the muffler to the carburettor
- a special air filter with a coarser mesh size (E)

### Temperature 0°C (32°F) or colder:

Fit the covers for the starter housing and air filter holder using the three screws provided as shown in the figure.

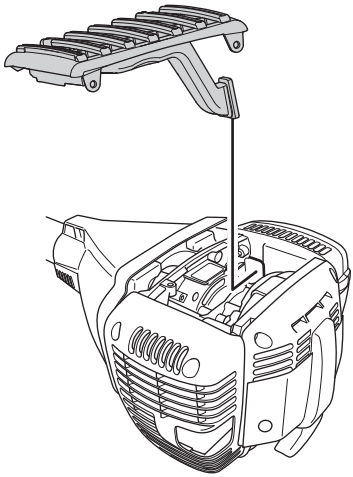


Remove the air filter and air filter cover from the machine. Fit the air filter and air filter cover supplied with the winter kit.



### Temperature -5°C (23°F) or colder:

Dismantle the machine's wear guard, and fit the wear guard from the winter kit as shown in the figure. Pay particular attention that the opening on the air duct is positioned in the centre of the hole in the air filter holder.



IMPORTANT! If the temperature rises above -5°C (23°F) or 0°C (32°F) respectively the machine MUST be restored to its normal set-up. Otherwise there is a risk of overheating, which can cause severe engine damage.

IMPORTANT! Any maintenance other than that described in this manual must be carried out by your servicing dealer (retailer).

IMPORTANT! Use only HUSQVARNA replacement parts. Use of other brands of replacement parts can cause damage to your unit or injury to the operator or others. Your warranty does not cover damage or liability caused by the use of accessories and/or attachments not specifically recommended by HUSQVARNA.

## Maintenance schedule

The following is a list of the maintenance that must be performed on the machine. Most of the items are described in the Maintenance section. The user must only carry out the maintenance and service work described in this manual. More extensive work must be carried out by an authorized service workshop.

| Maintenance | Daily maintenance | Weekly maintenance | Monthly maintenance |
|---|---|---|---|
| Clean the outside of the machine. | X | | |
| Check that the harness is not damaged. | X | | |
| Make sure the throttle trigger lock and the throttle function correctly from a safety point of view. | X | | |
| Check that the handle and handlebar are undamaged and secured correctly. | X | | |
| Check that the stop switch works correctly. | X | | |
| Check that the cutting attachment does not rotate at idle. | X | | |
| Clean the air filter. Replace if necessary. | X | | |
| Check that the guard is undamaged and not cracked. Replace the guard if it has been exposed to impact or is cracked. | X | | |
| Check that the blade is correctly centred, is sharp, and is not cracked. An off-centre blade will cause vibration that could result in damage to the machine. | X | | |
| Check that the trimmer head is undamaged and not cracked. Replace the trimmer head if necessary. | X | | |
| Check that the locking nut of the cutting equipment is tighten correctly. | X | | |
| Check that the locking screw is tightened when using a support cup with bearings. | X | | |
| Check that the transport guard for the blade is intact and that it can be secured correctly. | X | | |
| Check that nuts and screws are tight. | X | | |
| Check that there are no fuel leaks from the engine, tank or fuel lines. | X | | |
| Check the starter and starter cord. | | X | |
| Check that the vibration damping elements are not damaged. | | X | |
| Clean the outside of the spark plug. Remove it and check the electrode gap. Adjust the gap to 0.5 mm (.20"), or replace the spark plug. Check that the spark plug is fitted with a suppressor. | | X | |
| Clean the machine's cooling system. | | X | |
| Clean or replace the spark arrestor screen on the muffler (only applies to mufflers without a catalytic converter). | | X | |
| Clean the outside of the carburettor and the space around it. | | X | |
| Check that the bevel gear is filled three-quarters full with lubricant. Fill if necessary using special grease. | | X | |
| Check that the safety release on the harness is not damaged and works. | | | X |
| Check the fuel filter from contamination and the fuel hose from cracks or other defects. Replace if necessary. | | | X |
| Check all cables and connections. | | | X |
| Check the clutch, clutch springs and the clutch drum for wear. Replace if necessary by an autorized service workshop. | | | X |
| Replace the spark plug. Check that the spark plug is fitted with a suppressor. | | | X |
| Check and clean the spark arrestor screen on the muffler (only applies to mufflers fitted with a catalytic converter). | | | X |
| Lubricate the drive shaft with the special grease. | Do this every three months. | | |
| Replace the vibration damping elements after each season, however, at least once a year. | | | |

## Technical data

| | FC2256 | FC2256W | BC2256 | MC2256 |
|---|---|---|---|---|
| **Motor** | | | | |
| Cylinder displacement, cu.in/$cm^3$ | 3,25/53,3 | 3,25/53,3 | 3,25/53,3 | 3,25/53,3 |
| Cylinder bore, inch/mm | 1,77/45 | 1,77/45 | 1,77/45 | 1,77/45 |
| Stroke, inch/mm | 1,32/33,5 | 1,32/33,5 | 1,32/33,5 | 1,32/33,5 |
| Idle speed, rpm | 2800 | 2800 | 2800 | 2800 |
| Recommended max. speed, rpm | 13000 | 13000 | 12000 | 12000 |
| Speed of output shaft, rpm | 10500 | 10500 | 10500 | 10500 |
| Max. engine output, acc. to ISO 8893, kW/ rpm | 2,8/9000 | 2,8/9000 | 2,8/9000 | 2,8/9000 |
| Catalytic converter muffler | No | No | No | No |
| **Ignition system** | | | | |
| Spark plug | NGK BPMR 7A | NGK BPMR 7A | NGK BPMR 7A | NGK BPMR 7A |
| Electrode gap, inch/mm | 0,02/0,5 | 0,02/0,5 | 0,02/0,5 | 0,02/0,5 |
| **Fuel and lubrication system** | | | | |
| Fuel tank capacity, US pint/litre | 2,3/1,1 | 2,3/1,1 | 2,3/1,1 | 2,3/1,1 |
| **Weight** | | | | |
| Weight without fuel, cutting attachment and guard, Lbs/kg | 19,8/9,0 | 20,3/9,2 | 20,5/9,3 | 20,7/9,4 |
| **Sound levels** | | | | |
| (see note 1) | | | | |
| Equivalent sound pressure level at the operator's ear, measured according to EN ISO 11806 and ISO 22868, dB(A): | | | | |
| Equipped with trimmer head (original) | - | - | 108 | - |
| Equipped with grass blade (original) | - | - | 102 | - |
| Equipped with saw blade (original) | 103 | 103 | - | - |
| Equipped with shredder blade (original) | - | - | - | 104 |
| **Vibration levels** | | | | |
| (see note 2) | | | | |
| Equivalent vibration levels ($a_{hv,eq}$) at handles, measured according to EN ISO 11806 and ISO 22867, $m/s^2$ | | | | |
| Equipped with trimmer head (original), left/right | - | - | 1,8/1,6 | - |
| Equipped with grass blade (original), left/right | - | - | 1,4/1,4 | - |
| Equipped with saw blade (original), left/right | 2,1/2,3 | 2,1/2,3 | - | - |
| Equipped with shredder blade (original), left/right | - | - | - | 1,7/1,9 |

**NOTE! This spark ignition system complies with the Canadian standard ICES-002.**

Note 1: Reported data for equivalent sound pressure level for the machine has a typical statistical dispersion (standard deviation) of 1 dB (A).

Note 2: Reported data for equivalent vibration level has a typical statistical dispersion (standard deviation) of 1 $m/s^2$.

| **FC2256, FC2256W** | | |
|---|---|---|
| **Approved accessories** | **Type** | **Cutting attachment guard, Art. no.** |
| Centre hole in blades/cutters, Ø 25,4 mm | Output shaft thread M12 | |
| Grass blade/grass cutter | Multi 275-4 (Ø 275 4 teeth) | Set 502 46 49-02 |
| | Multi 300-3 (Ø 300 3 teeth) | Set 502 46 49-02 |
| | Multi 350-3 (Ø 350 3 teeth) | Set 502 46 49-02 |
| Saw blade | Maxi 225-24 (Ø 225 24 teeth) | 544 01 65-01 |
| | Scarlet 200-22 (Ø 200 22 teeth) | 537 21 71-01 |
| | Scarlet 225-24 (Ø 225 24 teeth) | 544 01 65-01 |
| Trimmer head | Trimmy S II (Ø 2.4 - 3.3 mm cord) | Set 502 46 50-02 |
| | Tap-N-Go 45 Spin (Ø 2.7 - 3.3 mm cord) | Set 502 46 50-02 |
| | Tap-N-Go 55 Spin (Ø 2.7 - 3.3 mm cord) | Set 502 46 50-02 |
| | F55 (Ø 2.7 - 3.5 mm cord) | Set 502 46 50-02 |
| Support cup | Fixed | |
| | With ball bearing | |
| **BC2256** | | |
| **Approved accessories** | **Type** | **Cutting attachment guard, Art. no.** |
| Centre hole in blades/cutters, Ø 25,4 mm | Output shaft thread M12 | |
| Grass blade/grass cutter | Multi 275-4 (Ø 275 4 teeth) | 544 16 03-02 |
| | Multi 300-3 (Ø 300 3 teeth) | 544 16 03-02 |
| | Multi 350-3 (Ø 350 3 teeth) | 544 16 03-02 |
| Saw blade | Maxi 225-24 (Ø 225 24 teeth) | 544 01 65-01 |
| | Scarlet 200-22 (Ø 200 22 teeth) | 537 21 71-01 |
| | Scarlet 225-24 (Ø 225 24 teeth) | 544 01 65-01 |
| Trimmer head | Trimmy S II (Ø 2.4 - 3.3 mm cord) | 544 10 74-04 |
| | Tap-N-Go 45 Spin (Ø 2.7 - 3.3 mm cord) | 544 10 74-04 |
| | Tap-N-Go 55 Spin (Ø 2.7 - 3.3 mm cord) | 544 10 74-04 |
| | F55 (Ø 2.7 - 3.5 mm cord) | 544 10 74-04 |
| Support cup | Fixed | |
| | With ball bearing | |

# TECHNICAL DATA

| **MC2256** | | |
|---|---|---|
| **Approved accessories** | **Type** | **Cutting attachment guard, Art. no.** |
| Centre hole in blades/cutters, Ø 25,4 mm | Output shaft thread M12 | |
| Grass blade/grass cutter | Multi 275-4 (Ø 275 4 teeth) | 544 16 03-02 |
| | Multi 300-3 (Ø 300 3 teeth) | 544 16 03-02 |
| | Multi 350-3 (Ø 350 3 teeth) | 544 16 03-02 |
| Saw blade | Maxi 225-24 (Ø 225 24 teeth) | 544 01 65-01 |
| | Scarlet 200-22 (Ø 200 22 teeth) | 537 21 71-01 |
| | Scarlet 225-24 (Ø 225 24 teeth) | 544 01 65-01 |
| Trimmer head | Trimmy S II (Ø 2.4 - 3.3 mm cord) | 544 10 74-04 |
| | Tap-N-Go 45 Spin (Ø 2.7 - 3.3 mm cord) | 544 10 74-04 |
| | Tap-N-Go 55 Spin (Ø 2.7 - 3.3 mm cord) | 544 10 74-04 |
| | F55 (Ø 2.7 - 3.5 mm cord) | 544 10 74-04 |
| Shredder blade | - | 544 02 65-03 |
| Support cup | Fixed | |
| | With ball bearing | |

# YOUR WARRANTY RIGHTS AND OBLIGATIONS

The EPA (The US Environmental Protection Agency), Environment Canada and Jonsered are pleased to explain the emissions control system warranty on your 2001 and later small nonroad engine. In U.S. and Canada, new small nonroad engines must be designed, built and equipped to meet the federal stringent anti-smog standards. Jonsered must warrant the emission control system on your small nonroad engine for the period of time listed below provided there has been no abuse, neglect or improper maintenance of your unit. Your emmission control system includes Parts such as the carburetor and the ignition system. Where a warrantable condition exists, Jonsered will repair your small nonroad engine at no cost to you. Expenses covered under warranty include diagnosis, parts and labor.

## MANUFACTURER'S WARRANTY COVERAGE

The 2001 and later small nonroad engines are warranted for two years. If any emission related part on you engine (as listed above) is defective, the part will be repaired or replaced by Jonsered.

## OWNER'S WARRANTY RESPONSIBILITIES

As the small nonroad engine owner, you are responsible for the performance of the required maintenance listed in your Operator's Manual. Jonsered recommends that you retain all receipts covering maintenance on your small nonroad engine, but Jonsered cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. As the small nonroad engine owner, you should, however, be aware that Jonsered may deny you warranty coverage if your small nonroad engine or a part of it has failed due to abuse, neglect, improper maintenance, unapproved modifications or the use of parts not made or approved by the original equipment manufacturer. You are responsible for presenting your small nonroad engine to a Jonsered authorized servicing dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized servicing dealer or call Jonsered, at Sweden +46-36-146500.

## WARRANTY COMMENCEMENT DATE

The warranty period begins on the date small nonroad engine is delivered.

## LENGTH OF COVERAGE

Jonsered warrants to the initial owner and each subsequent purchaser that the engine is free from defects in materials and workmanship which cause the failure of a warranted part for a period of two years.

## WHAT IS COVERED

**REPAIR OR REPLACEMENT OF PARTS** Repair or replacement of any warranted part will be performed at no charge to the owner at an approved Jonsered servicing dealer. If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized servicing dealer or call Jonsered, at Sweden +46-36-146500.

**WARRANTY PERIOD** Any warranted part which is not scheduled for replacement as required maintenance, or which is scheduled only for regular inspection to the effect of "repair or replace as necessary" shall be warranted for 2 years. Any warranted part which is scheduled for replacement as required maintenance shall be warranted for the period of time up to the first scheduled replacement point for that part.

**DIAGNOSIS** The owner shall not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work is performed at an approved Jonsered servicing dealer.

**CONSEQUENTIAL DAMAGES** Jonsered may be liable for damages to other engine components caused by the failure of a warranted part still under warranty.

## WHAT IS NOT COVERED

All failures caused by abuse, neglect or improper maintenance are not covered.

### ADD -ON OR MODIFIED PARTS

The use of add-on or modified parts can be grounds for disallowing a warranty claim. Jonsered is not liable to cover failures of warranted parts caused by the use of add-on or modified parts.

## HOW TO FILE A CLAIM

If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized servicing dealer or call Jonsered, at Sweden +46-36-146500.

## WHERE TO GET WARRANTY SERVICE

Warranty services or repairs shall be provided at all Jonsered authorized servicing dealers.

## MAINTENANCE, REPLACEMENT AND REPAIR OF EMISSION-RELATED PARTS

Any Jonsered approved replacement part used in the performance of any warranty maintenance or repairs on emission-related parts, will be provided without charge to the owner if the part is under warranty.

## EMISSION CONTROL WARRANTY PARTS LIST

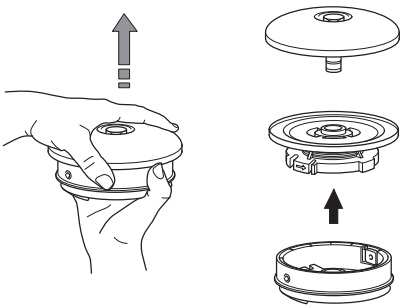
1 Carburetor and internal parts
2 Intake pipe, airfilter holder and carburetor bolts.
3 Airfilter and fuelfilter covered up to maintenance schedule.
4 Ignition System
  1Spark Plug, covered up to maintenance schedule
  2Ignition Module
5 Muffler with catalytic converter

## MAINTENANCE STATEMENT

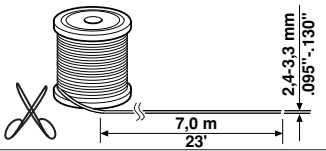
The owner is responsible for the performance of all required maintenance, as defined in the operator's manual.

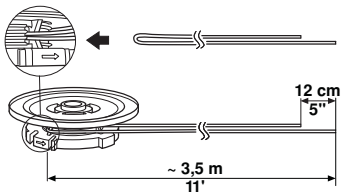
# Trimmy SII

1

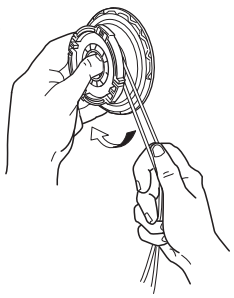


2

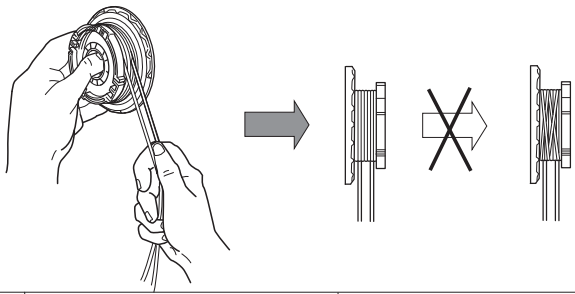


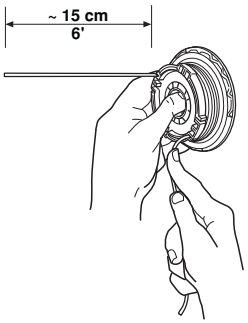

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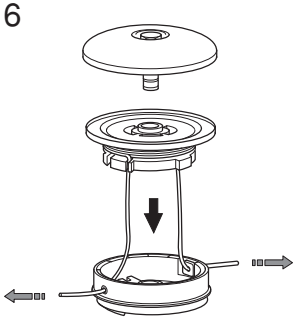
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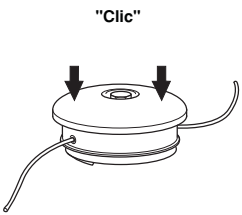
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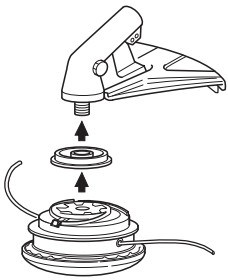

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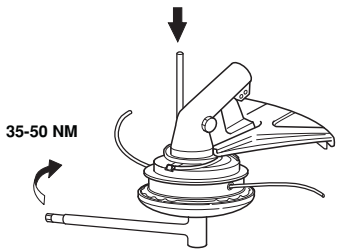
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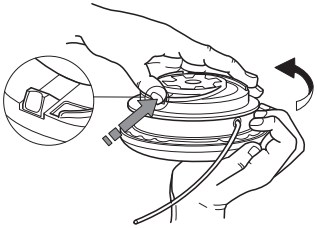

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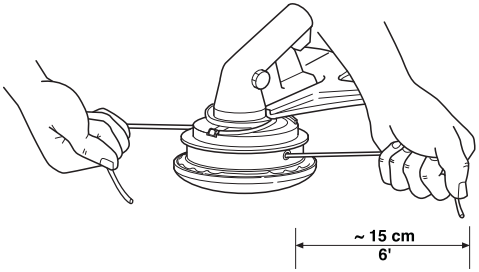


9

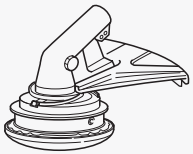


# Trimmy SII

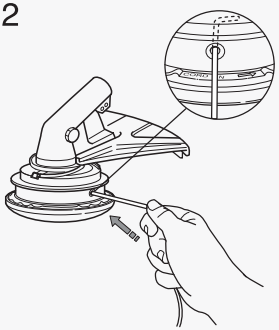




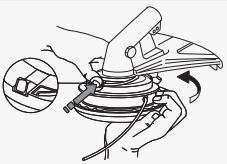

1



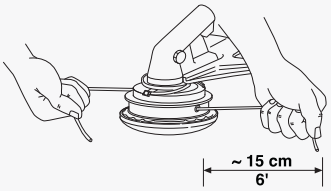
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3

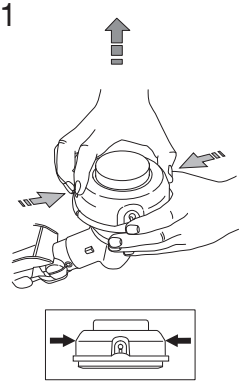


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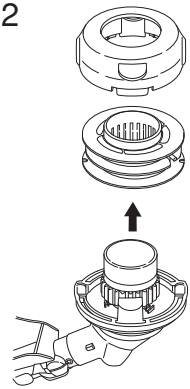


# Tap n'Go 45 Spin

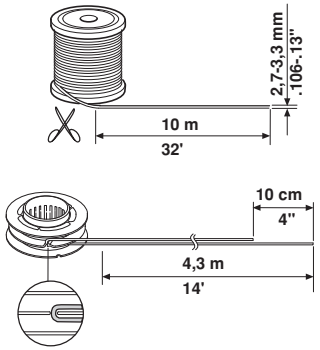
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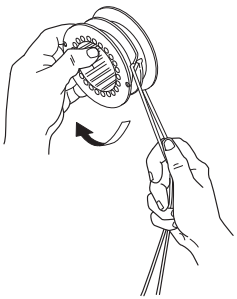
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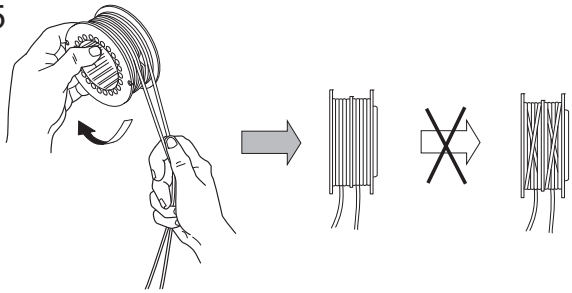
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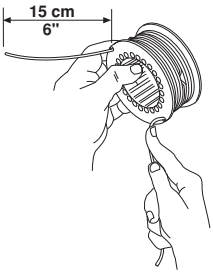

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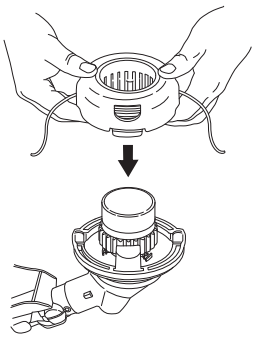
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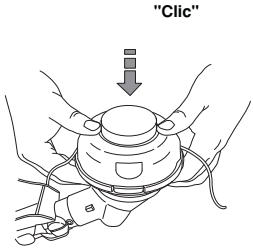
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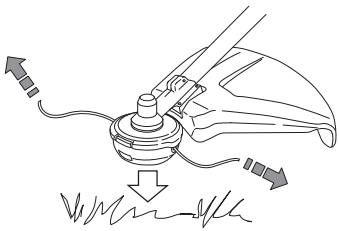

7



8

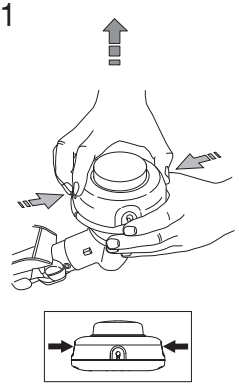



9

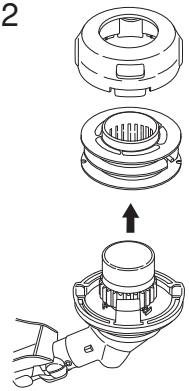


# Tap n'Go 55 Spin

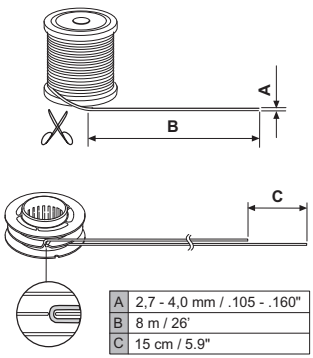
1



2

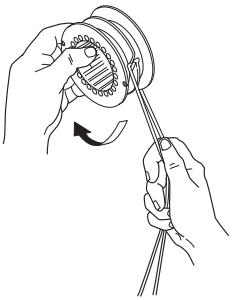


3

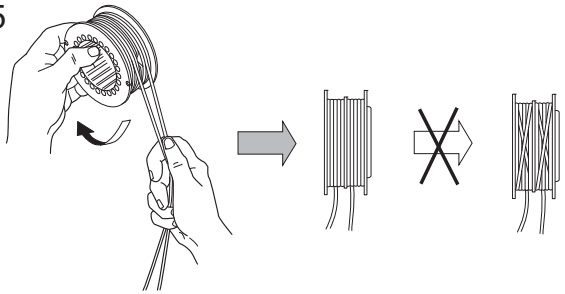



| | |
|---|---|
| A | 2,7 - 4,0 mm / .105 - .160" |
| B | 8 m / 26' |
| C | 15 cm / 5.9" |

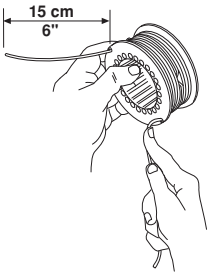
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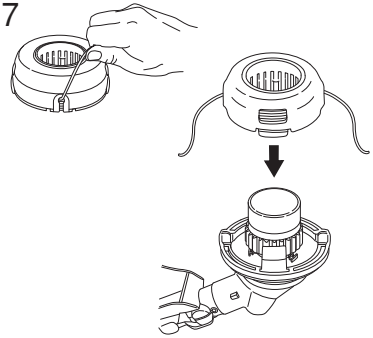
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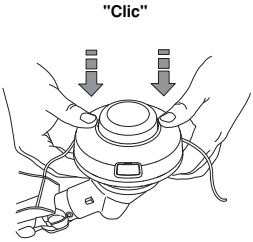
6



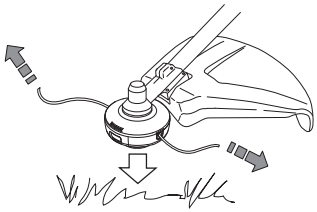

7



8




9



**Original instructions**

**1156726-95**

**2013-12-13**