

CM6X-35

OWNER'S MANUAL

4 STROKE ENGINE

BRUSH CUTTERS




CAUTION

- Before using our brush cutter, please read this manual carefully to understand the proper use of your unit.
- keep this manual handy.



SAFETY FIRST

Instructions contained in warnings this manual marked with a  symbol concern critical points which must be taken into consideration to prevent possible serious bodily injury, and for this reason you are requested to read all such instructions carefully and follow them without fail.

OWNER'S MANUAL 4 STROKE ENGINE BRUSH CUTTERS



II. NOTES ON TYPES OF WARNINGS IN THE MANUAL

WARNING

This mark indicates ,instruction which must be followed in order to prevent accidents which could lead to serious bodily injury or death.

IMPORTANT

This mark indicates,instructions which must be followed ,or it leads to mechanical failure,breakdown,or damage

NOTE

This mark indicates hints or directions useful in the use of the product.

Contents

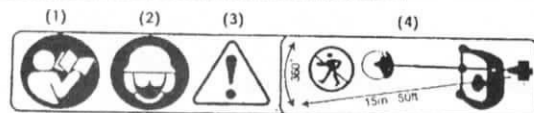
I.SAFETY INSTRUCTIONS-----	1
II. WARNING LABELS ON THE MACHINE-----	3
III. SYMBOLS ON THE MACHINE-----	4
IV. SAFETY PRECAUTIONS-----	4
V. SET UP-----	8
VI. FUEL-----	9
VII. OPERATION-----	10
VIII. MAINTENANCE-----	13
IX. SPECIFICATION-----	17
X. SPARE PARTS WITH PICTURES-----	19

I. Safety instructions

1. Always make a pre-operation inspection before you start the engine, Do not allow non-trained personnel to operate the gasoline engine.
2. Always make a pre-operation inspection before you start the engine, You may prevent an accident or equipment damage.
3. Keep the engine at least 1 meter (3 feet) away from buildings and other equipment during operation.Children and pets must be kept away from the area of operation due to a possibility of burns from hot engine components or injury from any equipment the engine may be used to operate.
4. To prevent fire hazards and to provide adequate ventilation, don't place flammable objects such as gasoline,matches,etc.close to the engine while it is running.
5. Refuel in a well-ventilate area with the engine stopped,Don't overfull the fuel tank.There should be no fuel in the filler neck.Make sure that the filler cap is closed securely.If any fuel is spilled,clean it up completely.
6. Don't smoke and allow flames or sparks while the engine is refueled.
7. Exhaust gas contains poisonous carbon monoxide.Avoid inhalation of exhaust gases.Never run the engine in a closed garage or confined area.
8. While using the engine,avoid oyobumbi and stop the machine suddenly to avoid damage to the machine.
9. Drunken people,disoriented people,pregnant women cannot use this machine.
10. While assembling the handle machine,the fly wheel cannot be showed to avoid damage.

11. The muffler becomes very hot during operation and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot. To avoid severe burns or fire hazards, let the engine cool before transporting it or storing it indoors.

II. WARNING LABELS ON THE MACHINE



1. Read owner's manual before operating this machine
 2. Wear head, eye and ear protection
 3. Warning/Attention
 4. Keep all children, bystanders, and helpers 15 meters away from the brush cutter
- IMPORTANT**

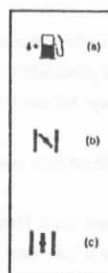
If warning seals peel off or become soiled and impossible to read, you should contact the dealer from which you purchased the product to order new seals and affix the new seal in the required location

WARNING

Never remodel your brush cutter

We won't warrant the machine, if you use the remodeled brush cutter or you don't observe the proper usage written in the manual.

III. SYMBOLS ON THE MACHINE



for safe operation and maintenance, symbols are carved in relief on the machine, according to these indications, please be careful not to take a mistake

A. The port to refuel the "GASOLINE ONLY"

Position: FUEL TANK CAP

B. The direction to close the choke

Position: AIR CLEANER COVER

C. The direction to open the choke

Position: AIR CLEANER COVER

IV. SAFETY PRECAUTIONS

BEFORE USING THE MACHINE



- A. Read this owner's manual carefully to understand how to operate this unit properly
- B. This product has been designed for use in cutting grass, and it should never be used for any other purpose.
- C. You should never use this brush cutter when under the influence of alcohol, when suffering from exhaustion or lack of sleep when suffering from drowsiness as a result of having taken cold medicine, or at any other time when a possibility exists that your judgment might be impaired or that you might not be able to operate the brush cutter properly and in a safe manner.
- D. Avoid running the engine indoors. The exhaust gas contains harmful carbon monoxide
- E. Never use your brush cutter under circumstances like those described below:
 1. When the ground is slippery when other conditions exist which might make it not possible to maintain a steady posture while using the brush cutter.
 2. At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the area
 3. During rain storms, during lightning storms, at times of strong or gale-force winds, or at any other times when weather conditions might make it unsafe to use this product.
- F. When using this product for the first time, before beginning actual work, learn to handle the brush cutter from a skilled worker.
- G. Lack of sleep, tiredness, or physical exhaustion results in lower attention spans, and this in turn leads to accidents and injury. Limit the amount of time over which the brush cutter is to be used continuously to somewhere around 30-40 minutes per session, and take 10-20 minutes of rest between work sessions. Also try to keep the total amount of work performed in a single day under 2 hours or less
- H. Be sure to keep this manual handy so that you may refer to it later whenever any questions arise.

I. Always be sure to include this manual when selling, lending or otherwise transferring the ownership of this product.

J. Never allow children or anyone unable to fully understand the directions given in this manual to use this brush cutter.

WORKING GEAR AND CLOTHING



A. When using your brush cutter, you should wear proper clothing and protective equipment as follows

- (1) Helmet
- (2) Protection goggles or face protector
- (3) Thick work gloves
- (4) Non-slip-sole work boots
- (5) Ear protectors

B. And you should carry with you things as follows

1. Attached tools and files
2. Properly reserved fuel
3. Spare blade
4. Things to notify your working area (Tope, warning signs)
5. Whistle (for collaboration or emergency)
6. Hatchet or saw (for removal of obstacles)

C. Never use your brush cutter when wearing pants with loose cuffs, when wearing sandals, or when barefoot

WARNING CONSIDERING HANDLING OF FUEL



A. The engine of this product is designed to run on a mixed fuel which contains highly flammable gasoline. You should never store cans of fuel or refill the fuel tank in any place where there is a boiler, stove, wood fire, electric sparks, welding sparks, or any other source of heat or fire which might ignite the fuel.

B. Smoking while operating the brush cutter or refilling its fuel tank is extremely dangerous. Always be sure to keep lit cigarettes away from the brush cutter at all times

C. When refilling the tank always turn off the engine first and take a careful look around to make sure that there are no sparks or open flames anywhere nearby before refueling

D. If any fuel spillage occurs during refueling, use a dry rag to wipe up spills before turning the engine back on again

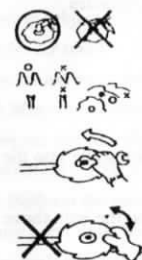
E. After refueling, screw the fuel cap back tightly onto the fuel tank and then carry the brush cutter to a spot 3m or more away from where it was refueled before turning on the engine.

THINGS TO CHECK BEFORE USING YOUR BRUSHCUTTER

A. Before beginning work, look around carefully to get a feel for the shape of the land, or grass to be trimmed and whether or not there are any obstacle which might get in the way while working, and remove any

Owner manual

obstacles, which can be cleared away.



B. The area within a perimeter of 1.5m of the person using the brush cutter should be considered a hazardous area into which no one should enter while the brushcutter is in use, and when necessary yellow warning rope, warning signs should be placed around the work area, when work is to be performed simultaneously by two or more person, always check the presence and locations of others so as to maintain a distance each person sufficient to ensure safety.

C. Make sure that there are no loose screws or bolts, fuel leaks, ruptures, dents, or any other problems, which might interfere with safe operation. Be especially careful to check that there is nothing wrong with the blades or with the joints by which the blades are attached to the brush cutter

D. Never use blades that are bent, warped, crooked, broken or damaged in any way

E. Keep the blade always sharp

F. Filling the cutting edges, keep the end corner sharp and round the roof of the edge.

G. Check the bolt to fasten the blade and be sure the blade turns smoothly without abnormal noise

NOTES ON STARTING THE ENGINE

1. Take a careful look around to make sure that no obstacles exist within a perimeter of 1.5m or less around brushcutter



2. Place the body of the brush cutter onto the ground in a flat clear area and hold it firmly in place so as to ensure that neither the blades nor the throttle come into contact with any obstacles when the engine starts up.

3. Place the throttle into the idling position when starting the engine

4. After starting up the engine, if the blades continue to rotate even after the throttle has been moved fully back, turn off the engine and check the throttle wire and other parts

KICKBACK SAFETY PRECAUTIONS

A dangerous reaction may occur when the spinning blade contacts a solid object in the critical area. It is called kick back. As a result, the operator can lose control of the unit, which can cause serious or fatal injury. Avoid kickback, observe the safety precautions below strictly

1. Before beginning work, clear your working area and remove grasses around the obstacles

2. When using your brush cutter, do not grip other parts except the handles

3. When using your brush cutter, never take your eyes off, if you need to, place the throttle into the idling position

4. When using your brush cutter, do not let the unit get closer to your feet nor raise the unit above your waist

NOTES ON TRANSPORTION

1. Make sure the appropriate blade cover is in place

2. When transporting by car, fix the unit firmly using a rope, do not transport by bicycle or motorcycle because it is dangerous

3. Never transport the brush cutter over rough roads over long distance without first removing all fuel from the fuel tank, as doing so might cause fuel to leak from the tank.

OPERATION SAFETY PRECAUTIONS

1. Grip the handles of the brush cutter firmly with both hands. If you suspend the work, place the throttle into the idling position

2. Always be sure to maintain a steady, even posture while working

3. Maintain the speed of the engine at the level required to perform cutting work, and never raise the speed of the engine above the level necessary

4. If the grass gets caught in the blade during operation, or if you need to check the unit or refuel the tank, always be sure to turn off the engine



5. If the blade touches a hard object like a stone, immediately stop the engine and check if something is wrong with the blade, if so, replace the blade by a new one

6. If someone calls out while working, always be sure to turn off the engine before turning around

7. Never touch the spark plug or plug cord while the engine is in operation, doing so may result in being subjected to an electrical shock

8. Never touch the muffler, spark plug, or other metallic parts of the engine while the engine is in operation or immediately after shutting down the engine. Doing so may result in serious burns.

9. When you finish cutting in one location and wish to continue work in another spot, turn off the engine and turn the unit as the blade faces away from your body.

MAINTENANCE SAFETY PRECAUTION

1. Perform the maintenance and checking operations described in this manual at regular intervals. If any parts must be replaced or any maintenance or repair work not described in this manual must be performed, please contact a representative from the store nearest authorized servicing dealer for assistance.

2. Under no circumstances should you ever take apart the brushcutter or alter it in any way, doing so might result in the brush cutter becoming damaged during operation or the brush cutter becoming unable to operate properly

3. Always be sure to turn off the engine before performing any maintenance or checking procedures

4. When sharpening, removing, or reattaching the blade, proper tools and equipment to prevent injury

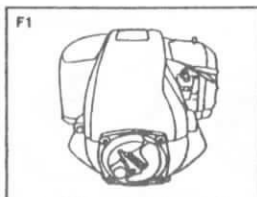
5. When replacing blade or any other parts or when replacing the oil or any lubricants, always be sure to use only products or products which have been certified by for use with the brush cutter

V. SET UP

ENGINE AND MAIN PIPE

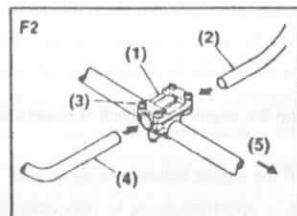
Align the hanger and the fuel tank, using attached 4 socket screws, secure the connection firmly with equal force (F1)

ENGINE



HANDLE

1. Loosen the 4 bolts on the handle bracket.(F2)

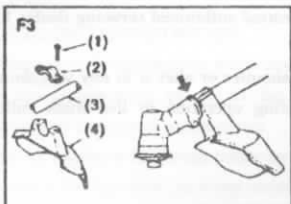


2. Insert the right handle (throttle lever is attached) and the left handle assembly into the bracket and retighten the bolts securely.(F2)

- (3) Bolt
- (4) Left handle
- (5) Engine side

SAFETY GUARD

Attach the safety guard to the gear case and fix it with the clamp and 2 bolts(M5*25)securely.(F3)



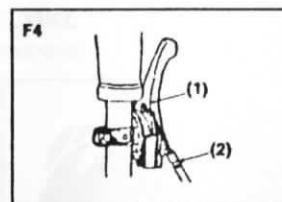
- (1) Bolt
- (2) Clamp
- (3) Main pipe
- (4) Safety guard

THROTTLE WIRE

WARNING

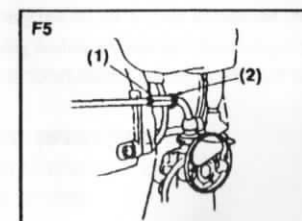
After fitting up the wire, make sure that the throttle cable is put in the throttle lever, if not, it is very dangerous because the engine rotate after releasing the throttle

1. Hook the cable end into the hole of the throttle lever, and set the cable in the lever as shown in the picture.(F4)



2. Wrap the band so as the throttle wire is fixed with the handle.

- (1) Hole
- (2) Throttle cable



ADJUSTING THE THROTTLE CABLE

1. After releasing the throttle lever, pull the throttle wire. The normal play is 1 or 2mm when measured of the carburetor side end

2. If the play is short or long, take off the air cleaner cover, loosen the lock nut and adjust the play.(F5)

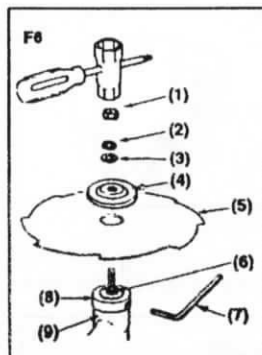
- (1) Adjust nut
- (2) Lock nut

INSTALLING THE METAL BLADE(F6)

1. Set the inner holder to the gear shaft, and turn to fix with the attached L-shaped bar.

2. Put the blade on the inner holder with letters to the gear case, and match correctly the hole of the blade to the projection of the inner holder

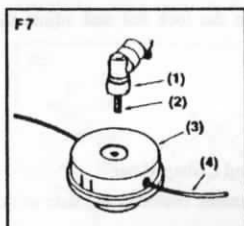
3. Set the outer holder to the gear shaft with the hollowed face to the blade



4. Put the attached bolt cover on the outer holder and secure it with the bolt (left screw) together with the spring washer and the washer.

- (1). Nut
- (2). Spring washer
- (3). Washer
- (4). Outer holder
- (5). Blade
- (6). Gear shaft
- (7). Bar
- (8). Inner holder
- (9). Gear case

INSTALLING THE NYLON CUTTER(OPTION)(F7)



1. Set correctly the inner holder and the outer holder to the gear shaft
2. Screw the attached bolt(M8 left) into the gear shaft and secure it with the spanner.
3. Screw the nylon cutter into the bolt by fixing the inner holder with the L-shaped bar and tighten it manually.

NOTE

Keep bolts and washers to install the blade carefully so as not to lose them.

Owner manual

- (1). Gear case
- (2). Bolt
- (3). Nylon cutter
- (4). Nylon cord

VI. FUEL

WARNING



Gasoline is very flammable, Avoid smoking or bringing any flame or sparks near fuel.

Wipe up all spills before starting the engine.

Make sure to stop the engine and allow it cool before refueling the unit,

Keep open flames away from the area where fuel is handled or stored

IMPORTANT

Only use oil for 4-cycle engine use. Never use mixed oil for 2 stroke engine use. it can cause spark plug fouling, exhaust port blocking, or piston ring sticking

RECOMMENDED OIL IS ABOVE GASOLINE NO.90

VII. OPERATION

STARTING THE ENGINE

WARNING

Before starting the engine, inspect the entire unit for loose fittings or fuel leaks, and the cutting attachment is properly installed and securely fastened.

Place the unit on a flat, firm place, keep the cutting head clear of everything around it.

1. Turn the cap to the fuel tank to make sure that gasoline only.

2. Turn the engine switch to ON position, move the choke lever to the OFF position.

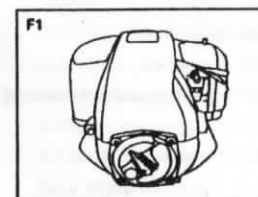
CAUTION : DON'T USE THE CHOKE IF THE ENGINE IS WARM OR THE AIR TEMPERATURE IS HIGH

3. Open the oil gate to 1/3 to 1/2 .

4. Press the priming pump several times until a fuel flow in the fuel return tube is visually noticed.

5. Pull the starter grip lightly until resistance is felt, then pull briskly.

CAUTION : New machine in the first 24 hours, have to half-open the oil gate when use it .

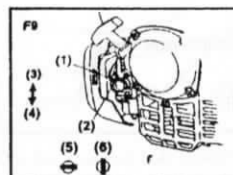


Owner manual

2. Open the fuel tank cock(F9)

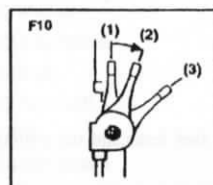
3. Move the choke lever to the closed position(F9)

- (1) Choke lever
- (2) Fuel cock
- (3) Close
- (4) Open
- (5) Close
- (6) Open



NOTE

When restarting immediately after stopping the engine, move the choke lever to the open position



4. Set the throttle lever to the starting position(F10)

- (1) Idling
- (2) Starting(1/3-1/2 open)
- (3) Full throttle

NOTE

When restarting immediately after stopping the engine, move the throttle lever to the idling position

5. While holding the unit firmly, pull out the starter rope quickly

6. After the engine has started, open the choke gradually

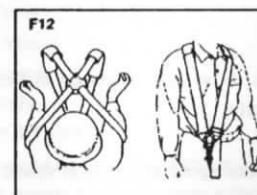
7. Allow the engine to run for 2 to 3 minutes to warm up

STOPPING THE ENGINE

1. To stop the engine in an emergency, turn the engine switch to the OFF position, under the normal conditions, use the following procedure :

- A. Position the throttle lever fully to LOW, let it run for 3-5 mins then to stop it.
- B. Turn the engine switch to the OFF position.

EQUIPPING THE SHAWL BAND(F12)



1. Equip the attached shawl band(F12)

2. Turn on the engine, return the throttle lever to the lowest speed position, and put the shawl band hook to the hanging part of the machine

3. Adjust the length of the shawl band so that the blade the blade may be parallel to the ground in the working position. In order to prevent slack during operation, turn up the extra part of the band from the buckle

CUTTING OPERATION

Owner manual

METAL BLADE USAGE



1. After gasoline engine starting, low-speed runs it for 3-5 minutes.

2. When the gasoline engine warm enough, based on the required speed to open the throttle handle to the appropriate location.

CAUTION :

A. The gasoline engine lubrication is not good when just starting the machine, do not accelerate quickly.

B. If the throttle wide open, gasoline engine speed operation, not only will shorten the life of span gasoline engine, but will also increase gasoline engine failure, so should avoid high-speed operation of no-load operation and speeding.

3. Always cut by guiding the head from your right to left.

4. A metal blade cut best up to the point 1/3 from the edge, use that area for cutting shrubs, tough and thick weeds, for cutting young grass, you can use up to 2/3 from the tip of blade

5. Adjust the engine speed according to the cutting objects, cut the young grass at middle speed, and cut shrubs or tough and thick weeds at high speed.

(1) For branches and trees

(2) For grass and weeds

(3) Direction of cutting

(4) Direction of rotation

IMPORTANT

Operating at low speed makes it easier for grass, weeds, or twigs to become caught up in the blades, and also it makes the shaft and clutch wear down more quickly.

NYLON CUTTER USAGE

Nylon cord consumes large power, please note that the engine rotation speed in operation should be 50% as large as when using metal blade.

Nylon cutter cut grass with the power of cord rotation, if you try to cut grass for the length of cord at one time, rotation speed becomes lower due to resistance and you cannot cut grass well, in case of large resistance, get the nylon cutter away from grass once, make the rotation speed higher, and cut a small amount of grass at one time.

If you try to cut grass by swinging the brush cutter in the reverse way (from left to right), scraps fly in the direction away from the body, you can avoid getting your clothes dirty.

VIII. MAINTENANCE

(1). Engine

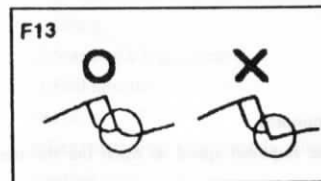
A. Shut off the engine before performance.

B. To prevent accidental start-up, turn OFF the engine switch and disconnect the spark plug cap.

C. The engine should be serviced by an authorized dealer unless the owner has proper tools and service data and feels it is mechanically qualified.

CAUTION: use only genuine parts or their equipment, the use of replacement parts which are not equivalent quality may damage the engine.

2. BLADE



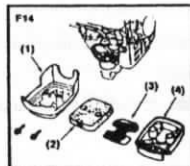
Sharpen each cutting edge and make sure the bottom corner is rounded (F13).

Do not cool the blade with water in case of using grinder, it may cause cracks on blade.

AFTER 25 HOURS OF USE

Owner manual

3. AIR CLEANER



Check and clean the filter element in warm, soapy water as required, dry completely before installing. If the element is broken or shrunk, replace with a new one (F14).

(1) Cover

(2) Element

(3) Screen

(4) Body

IMPORTANT

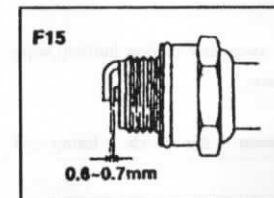
A clogged air filter may increase fuel consumption while cutting down the engine power.

And operate the brush cutter without the air filter or with a deformed filter element will quickly ruin the engine.

4. FUEL FILTER

Take the filter out of the fueling part using a small wire hook, disconnect the filter assembly from the fuel pipe and unhook the retainer to disassemble it, clean the components with gasoline.

IMPORTANT



A clogged fuel filter may cause poor acceleration of the engine.

5. SPARK PLUG

Remove and inspect the spark plug and clean the electrodes as necessary with brush.

The spark gap should be adjusted to 0.6-0.7mm (F15).

6. INTAKE AIR COOLING VENT

Check the intake air-cooling vent and the area around the cylinder cooling fins, and remove any waste, which has attached itself to the brush cutter.

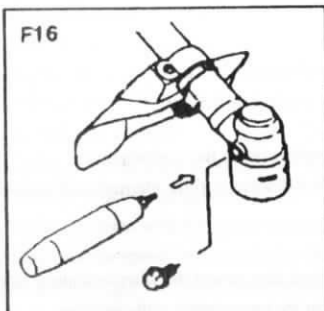
IMPORTANT

Note that failing to do so could cause the muffler to become overheated, and that this in turn could cause the brush cutter to catch on fire.

Owner manual

7. GEAR CASE

Supply multi-purpose grease at every 25 hours of use. Remove the cutter holders to arrange for old grease to exit (F16).



AFTER 100 HOURS OF USE

8. MUFFLER

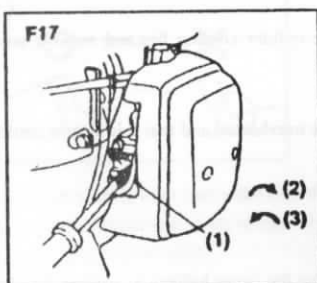
1. Remove the muffler, insert a screwdriver into the vent, and wipe away any carbon buildup, wipe away any carbon buildup on the muffler exhaust vent at the same time.
2. Tighten all screws bolts and fittings
3. Check to see if any oil or grease has worked its way in between the clutch lining and drum, and if it has wipe it away using oil-free, lead-free gasoline
4. Remove the float cabin of the carburetor and clean the inside

9. ADJUSTING CARBURETOR

IMPORTANT

A wrong adjustment may cause damage to your unit, if the engine does not run well after adjusting the carburetor, please contact the shop where you purchased the product

IDLE ADJUSTMENT SCREW(F17)



This is the screw to adjust the engine rotation when the throttle lever is set to the lowest speed position, if you turn right (clockwise) rotation increases, and left (counter clockwise) decreases, in case the blade continues to rotate or engine stops when you return the throttle lever completely to the original position, make readjustment.

(1) Idle adjustment screw

(2) High

(3) Low

MAINTENANCE BEFORE STORAGE

1. Brushing off dirt from the machine, check damage or slack of each part, if

Owner manual

you find our abnormalities, repair them for the next use.

2. Extract fuel from the tank, and loose the drain screw of the float cabin to extract fuel, turn on the engine, and leave it running until it stops naturally

3. Remove the spark plug and put in 1-2cc of 2-cycle oil in the engine, Draw the starter rope 2-3 times, set the plug back, and stop it at the contraction position,

4. Apply anti-rust oil to the metal parts such as the throttle wire, put the cover on the blade, and keep it indoor avoiding dampness.

IX. Specification

1. Technical data

III. TECHNICAL DATA

Model	139F/GX35
Type	4-stroke, over head valve, 1 cylinder
Displacement	31cm ³
Bore × Stroke	39 × 26mm
Max .output	0.7kW /6500r/min
Max. rotation with no load	10,000rpm
Fuel consumption	480g/kW · h
Cooling system	Forced air
Ignition system	Transistor magneto
Length × Width × Height	212 × 254 × 245mm (8.3 × 9.8 × 9.1in)
Net weight	3.5 kg (7.5 lbs)
PTO shaft rotation	Counter clockwise

NOTE: This owner's manual is used for upper-listed machines, if slight differences from these machines happen, the substantial machine decides the specification of technology and usage.
Owner manual

2.. Main application and features

(1). Main application

The machine for general-purpose gasoline engine, can be used as brush cutter, grass playing machines, pumps, blowing smoke machine, hedge machine, sprayer, such as garden machinery, small generators, air compressors, vacuum pumps and other construction machinery and motive power scooters.

(2). Main features

A. Compact and lightweight: light weight, solid structure, weight and capacity do not exceed more than 110g/cc.

B. Quiet design: air filter and large muffler will minimize the noise of work.

C. Low vibration: reasonable structure ensures stability and durability.

D. Safety first: the plastic housing is solid and high temperature resistance, so it won't burn due to overheating.

(1) This wind cooled one cylinder vertical four is the same as wind cooled one cylinder vertical two can be turned 360°.

(1). Engine oil level

A. Place the engine with the fuel tank side downward and horizontally on a level surface.

B. Remove the oil filler cap and check the oil level, it should reach the top of the oil filler neck.

C. If the level is low, fill to the top of the oil filler neck with the recommended oil.

(2). Fuel

Use automotive gasoline # 90 (unleaded or low leaded is preferred to minimize combustion chamber deposits)

(3). Check the oil machine

Gasoline-foot spins out, check whether the top oil-foot stained with oil, it should be added if without it. Oil grades are usually SAE10W30, oil capacity is 65cc, cannot be too much, oil surface cannot exceed the top of the horizontal oil-foot mark.

(4). Check and clean air cleaner

Air filters must always be clean, contaminated air filter will make gasoline engine to reduce power output. If the air filter was blocked, please use the gasoline to the internal filter and air filter to get cleaned, after the filter be cleaned it should be dropped of oil, after the oil wring dry air filter fitted to the inside.

3.. Trouble shooting and remedy

(1). Not start.

Phenomenon	Reasons	To exclude
No fire in spark plugs	Spark plugs	1. spark plugs' counter electrode wet
		dried
		2. Carbon deposition
		Clear coke
		3. spark plug insulation is damaged
		Replacement spark plugs
		4. Spark plug gap is too large or too small
		Adjust to 0.5-0.7
		5. Burned-out spark plug electrode
		Replacement spark plugs
	Magnetog ene rator	1. high voltage damage
		Replacing high-voltage wire
		2. The stator is damaged or burned
Fire in spark plugs	Compression good, oil	3. High-voltage lines and the circlip being exposed
		Stator replacement
	Oil, compressed bad	Repair
		1. Excessive inhalation of fuel
	Carburetor is not oil	Reduction of oil supply
		2. Fuel oil is not good, there is water, too dirty
		Replacement of fuel
	Oil, compressed bad	1. Cylinder, piston ring damage
		Replacement
	Carburetor is not oil	2. Spark plug loose
		tightening
		1. non-oil tank
		Fueling
		2. Filter plugging
		Cleaning
		3. Fuel tank vent blocked
		removal

(2). Power

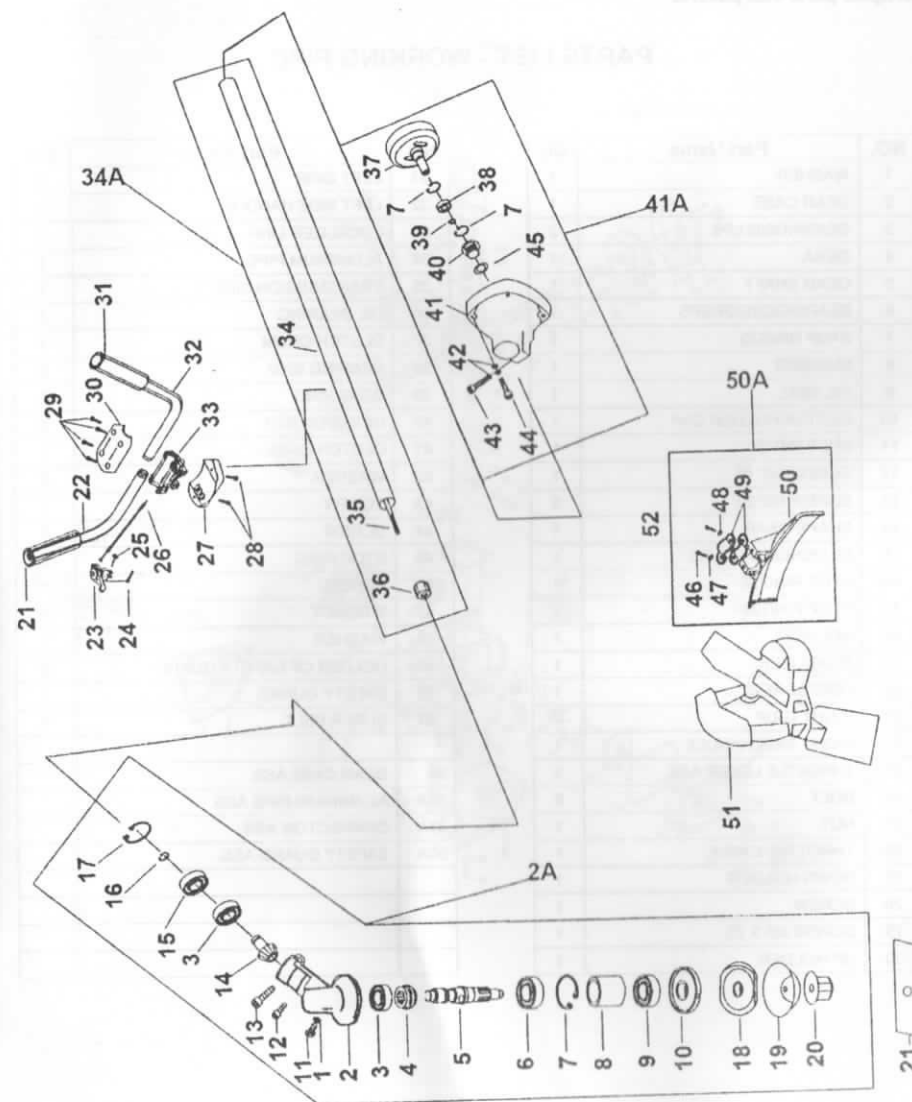
Phenomenon	Reasons	To exclude
Compression good do not flame	1. filter clogging	cleaning
	2. The air inhaled from the carburetor junction	Tightening bolts
	3. fuel machines have water inside	Replacing fuel
	4. Gasoline engine overheating	Shutdown cooling, to avoid prolonged heavy load high-speed operation
	5. Muffler coke	Clean coke
	6. Coke cylinder	Clean coke
thermal	1. fuel concentration is too low	Carburetor adjustment
	2. Cylinder coke	Cleaning
	3. Lubricating oil is not enough	Add lubrication oil

	4. Cylinder heat sink is blockage	Remove
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Sound is not normal, there is a crash	1. combustion chamber carbon deposit	Remove
	2. moving parts wear and tear	Inspect replacement
	3. valve clearance too large	Adjustment of valve clearance 0.05-0.10
	4. valve body parts too much wear and tear	Replacement parts

(3). Flameout

Categories	Reasons	To exclude
Sudden stop	1. Pistons ablation	Rest cylinder and piston, piston ring replacement
	2. Spark plug electrode short-circuit	Completely remove coke
Gradually extinguished	1. The lack of fuel	Fill up
	2. Carburetor inside the plug	Check oil line within the nozzle
	3. Fuel in the water	Replacing



X. Spear parts with pictures

PARTS LIST - WORKING PIPE

NO.	Part Name	Qty
1	WASHER	1
2	GEAR CASE	1
3	BEARING6001/P5	2
4	GERA	1
5	GEAR SHAFT	1
6	BEARING6202/2RSP5	1
7	STOP RING35	1
8	BUSHING	1
9	OIL SEAL	1
10	CUTTER HOLDER CAP	1
11	BOLT M8*12	1
12	SCREW M5*16	1
13	SCREW M6*20	5
14	SHAPE GEAR	1
15	BEARING6001-2Z/P5	1
16	STOP RING12	1
17	STOP RING28	1
18	HOLDER	1
19	STABILIZER	1
20	LEFT SCREW	1
21	RIGHT GRIP	4
22	RIGHT SIDE HANDLE	1
23	THROTTLE LEVER ASS.	3
24	BOLT	8
25	NUT	1
26	THROTTLE CABLE	1
27	DOWN HOLDER	1
28	SCREW	1
29	SCREW M5 X 25	1
30	UP HOLDER	1

NO.	Part Name	Qty
31	LEFT GRIP	1
32	LEFT SIDE HANDLE	1
33	LOCALIZER LINK	1
34	ALUMINIUM PIPE	1
35	TRANSMISSION SHAFT	1
36	OIL BEARING	1
37	CLUTCH DRUM	1
38	BEARING 6202	1
39	STOP RING	1
40	HEXAGON NUT	2
41	CLUTCH CASE	1
42	WASHER	2
43	SCREW	1
44	SCREW	1
45	STOP RING	1
46	SCREW	1
47	WASHER	1
48	WASHER	1
49	HOLDER OF SAFETY GUARD	2
50	SAFETY GUARD	1
51	SUPER BELT	1
2A	GEAR CASE ASS.	
34A	ALUMINIUM PIPE ASS.	
41A	CONNECTOR ASS.	
50A	SAFETY GUARD ASS.	

