

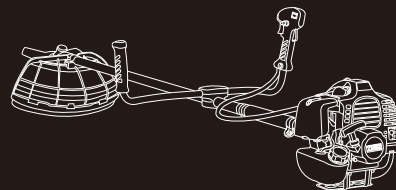


www.tehtools.com

Gasoline Grass Trimmer

TGT44052

To Be Your Exclusive Helper



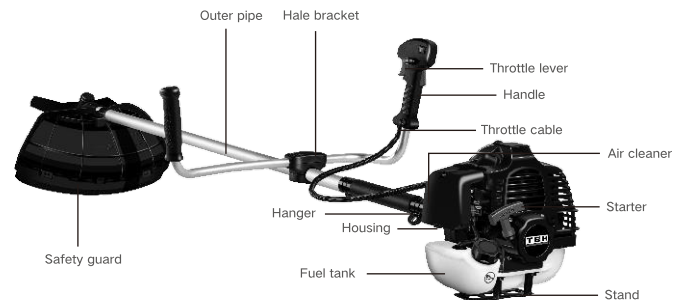
TEH

®

TECHNICAL SPECIFICATION

Model	TGT44052	
Output power	1.4kw	
Handle type	Both hands	
Max no-load speed	9000r/min	
Power transmission method	Automatic centrifugal clutch, spiral gear	
Applied blade	3-teeth blade, 40-teeth blade, nylon cutter	
Blade rotation direction	Counter clockwise (from operator ' s view)	
Engine	Type	Single cylinder air cooling 2-cycle gasoline engine
	Displacement	52cc
	Starting method	Recoil starter
	Stopping method	Sparking circuit primary short
	Fuel used	Lubricating oil mixed gasoline (25:1)
	Lubricating oil used	2-cycle engine oil
	Fuel tank capacity	1.2L

COMPONENTS AND ACCESSORIES



Accessories included:

- 1 fuel bottle
- 1 nylon cutter
- 2 blades: 3T, 40T
- 1 installation tool kit
- 1 instruction manual

SAFETY INSTRUCTIONS

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 gases contain harmful carbon monoxide.
- e) Never use your brush cutter under circumstances like those described below:
 1. When the ground is slippery or 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 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 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 your things as follows:

1. Properly reserved fuel
2. Spare blade
3. Things to notify your working area
4. Whistle
5. Hatchet or saw

- 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, electrical 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 3, or more away from where it was refueled before turning on the engine.

CHECK LIST 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 obstacles, which can be cleared away.
- b) The area within a perimeter of 15m of the person using the brush cutter should be considered a hazardous area into which no one should enter while the brush cutter 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 persons, 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, cracked, broken or damaged in anyway.
- e) Keep the blade always sharp.
- f) Filling the cutting edges, keep the end corner sharp and round the root 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

- a) Take a careful look around to make sure that no obstacles exist within a perimeter of 15m or less around brush cutter.
- b) 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.
- c) Place the throttle into the idling position when starting the engine.
- d) 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

WARNING ⚠

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

- a) Before beginning work, clear your working area and remove grasses around the obstacles.
- b) When using your brush cutter. Do not grip other parts except the handles.
- c) When using your brush cutter, never take your eyes protection off. If you need to, place the throttle into the idling position.
- d) When using your brush cutter. Do not let the unit get closer to your feet nor raise the unit above your waist.

OPERATION SAFETY PRECAUTIONS

- a) Grip the handles of the brush cutter firmly with both hands. If you suspend the work, place the throttle into idling position.
- b) Always be sure to maintain a steady, even posture while working.





- c) Maintain the speed of the engine at level required to perform cutting work, and never raise the speed of the engine above the level necessary.
- d) 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.
- e) 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 new one.
- f) If someone calls out while working. Always be sure to turn off the engine before turning around.
- g) 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.
- h) 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.
- l) 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.

SERVICE

- a) Tool service must performed only by qualified personnel. Service or maintenance performed by unqualified personnel could result in risk of injury.
- b) When servicing a tool, use only identical replacement parts. This will ensure that the safety of the power tool is maintained.

IMPORTANT NOTE

SYMBOLS

-  Read the manual
-  Warning
-  Wearing protection
-  WEEE marking

NOTES ON TRANSPORTATION

- a) Make sure the appropriate blade cover is in place.
- b) When transporting by car, fix the unit firmly using a rope. Do not transport by bicycle or motorcycle because it is dangerous.
- c) Never transport the brush cutter over rough roads over long distances without first removing all fuel from the fuel tank, as doing so might cause fuel to leak from the tank.

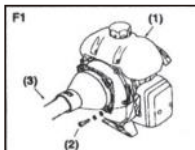
OPERATION INSTRUCTIONS

SET UP

• ENGINE AND MAIN PIPE

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

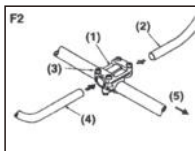
- (1)Fuel tank
- (2)Molt
- (3)Main pipe



• HANDLE

- a) Loosen the 4 bolts on the handle bracket.(F2)
- b) Insert the right handle (throttle lever is attached) and the left handle assembly into the bracket and retighten the bolts securely.

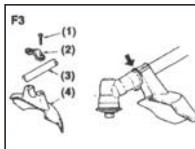
- (1) Handle bracket
- (2) Right handle
- (3) Bole
- (4) Left handle
- (5) Engine side



• SAFETY GUARD

Attach the safety guard to the gear case and fix it with the clump and 2 bolts securely.(F3)

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



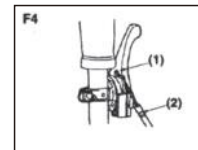
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• THROTTLE WIRE

WARNING ⚠

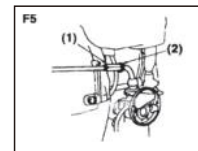
After fitting up the wire, make sure that the throttle cable is put in the throttle lever. If not, it is very dangerous because the engine rotates after releasing the throttle.

- a) Hook the cable end into the hole of the throttle lever. And set the cable in the lever as shown in the picture.(F4)
 - b) Wrap the band so as the throttle wire is fixed with the handle.
- (1) Hole
 - (2) Throttle cable



• ADJUSTING THE THROTTLE CABLE

- a) After releasing the throttle lever, pull the throttle wire. The normal play si 1 or 2 mm when measured at the carburetor side end.
 - b) 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

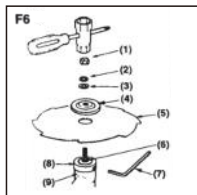


• INSTALLING THE METAL BLADE (F6)

- a) Set the inner holder to the gear shaft, and turn to fix with the attached L-shaped bar.
 - b) Put the blade on the inner holder with letters to the gear case, and match correctly the hole of the blade to projection of the inner holder.
 - c) Set the outer holder to the gear shaft with the hollowed face to the blade.
 - d) 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

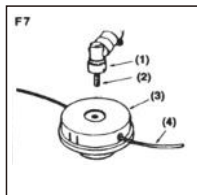
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- (2) Spring washer
- (3) Washer
- (4) Outer holder
- (5) Blade
- (6) Gear shaft
- (7) Bar
- (8) Inner holder
- (9) Gear case



• INSTALLING THE NYLON CUTTER

- a) Set correctly the inner holder and the outer holder to the gear shaft.
 - b) Screw the attached bolt into the gear shaft and secure it with the spanner.
 - c) Screw the nylon cutter into the bolt by fixing the inner holder with the L-shaped bar and tighten it manually.
- (1) Gear case
 - (2) Bolt
 - (3) Nylon cutter
 - (4) Nylon cord



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 down before refueling the unit.

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

- a) Never use oil for 4-cycle engine use or water cooled 2-cycle engine. It can cause spark plug fouling, exhaust part blocking, or piston ring sticking.
- b) Mixed fuels, which have been left unused for a period of one month or more, may clog the carburetor or result in the engine failing to operate properly. Put remained fuel into an airtight container and keep it in the dark and cool room.
- c) Mix a regular grade gasoline (leaded or unleaded, alcohol-free) and a quality-proven motor oil for air-cooled 2 cycle engines.
- d) Recommended mixing ratio is GASOLINE 25: OIL 1.

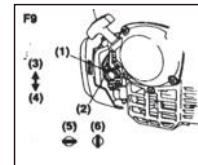
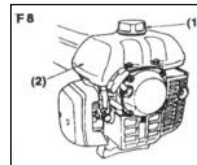
OPERATION

• 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.

- a) Turn the cap to the fuel tank to make sure that it is fixed on tightly.(F8)
- (1) Cap
- (2) Fuel tank
- b) Open the fuel tank cock. (F9)
- c) Move the choke lever to the closed position. (F9)



Note: When restarting immediately after stopping the engine, move the choke to the open position.

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

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

e) While holding the unit firmly, pull out the starter rope quickly. (F11)

f) After the engine has started, open the choke gradually.

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

▪ STOPPING THE ENGINE

a) Return the throttle lever to the idling position.

b) Push the engine switch button.

▪ EQUIPPING THE SHAWL BAND (F12)

a) Equip the attached shawl band. (F12)

b) 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.

c) Adjust the length of the shawl band so that 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.

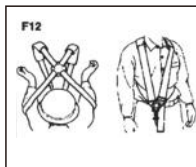
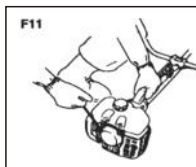
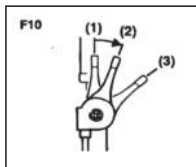
▪ CUTTING OPERATION

1. Metal blade usage

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

b) A metal blade cut best up 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.

c) 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.

Note: 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.

2. Nylon cutter usage

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

b) Nylon cutter cut grass with the power of cord rotation. If you try to cut grass for the length of cord 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.

c) 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.

MAINTENANCE

BLADE

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

b) Do not cool the blade with water in case of using grinder. It may cause cracks on blade

AIR CLEANER

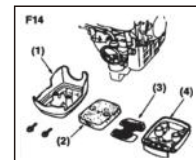
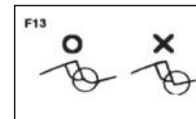
Check and clean the filter element in warm, soapy water as required. Dry completely before installing. If the element is broken or shrunk, replace with a new one.(F14)

(1) Cover

(2) Element

(3) Screen

(4) Body



Important note:

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.

AIR CLEANER

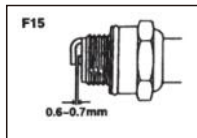
Take the filter out of the fueling port using a small wire hook. Disconnect the filter assembly from the fuel pipe and unhook the retainer to disassemble it. Clean the components with gasoline.

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

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)



INTAKE AIR COOLING VENT

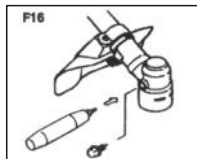
Check the intake air-cooling vent and the area around the cylinder cooling fins, and remove any waste, which has attached itself to the brush cutter.

Note: 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.

GEAR CASE

Supply multi-purpose grease at every 25 hours of use.

Remove the cutter holders to arrange for old grease to exit. (F16)



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MUFFLER

a) 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.

b) Tighten all screws, bolts, and fittings.

c) 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.

d) Remove the float cabin of the carburetor and clean the inside.

ADJUSTING CARBURETOR

Note: 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.

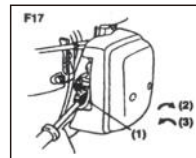
IDLE ADJUSTMENT SCREW(F17)

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 (counterclockwise) 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

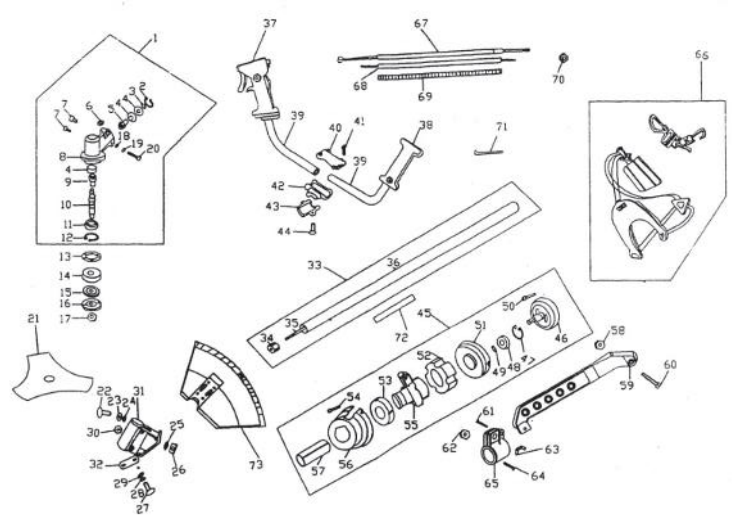


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MAINTENANCE BEFORE STORAGE

- Brushing off dirt from the machine, check damage or slack of each part. If you find out abnormalities, repair them for the next use.
- 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.
- 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.
- 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.

PRODUCT EXPLODED VIEW



EXPLODED VIEW PART LIST

No.	Description	Qty	No.	Description	Qty
1	Gear case assembly	1	18	Washer 5	2
2	Retaining ring 26/28	1	19	Washer 5	2
3	Retaining ring 10	1	20	Bolt M5X25	2
4	Bearing 6000	3	21	Blade	1
5	Little are-shape gear	1	22	Bolt M5X16	4
6	Al-washer5	2	23	Washer ring 5	4
7	Screw M5X10	2	24	Washer 5	4
8	Gear case	1	25	Washer 5	4
9	Coniod are-shape big gear	1	26	Nut M5	4
10	Shaft	1	27	BOlt M5X12	2
11	Bearing 6002	1	28	Washer ring	2
12	Retaining ring 32	1	29	Washer	2
13	Protection	1	30	Screw M5	2
14	Holder for shaft	1	31	Holder	1
15	Holder for blade	1	32	Plastic protectiong	1
16	Holder2 for blade	1	33	Al-pipe assembly	1
17	Left screw M10	1	34	Oil bearing	5

No.	Description	Qty	No.	Description	Qty
35	Transmission shaft	1	55	Clutch case	1
36	Al-pipe	1	56	Connector for protection	1
37	Right grip of handle	1	57	Rubber bushing	1
38	Left grip of handle	1	58	Screw M5	1
39	Al-pipe	2	59	Hunger	1
40	Up holder	1	60	Screw M5X25	1
41	Screw M5X25	4	61	Screw M5X20	1
42	Localizer link	1	62	Screw M5X20	1
43	Down holder	1	63	Screw M5	1
44	Screw M5X20	2	64	Screw M6X25	1
45	Hanger link assembly	1	65	Hunger cap	1
46	Hanger link	1	66	Shoulder strap	1
47	Retaining ring 35	1	67	Throttle line	2
48	Bearing 6202	1	68	Stop switch's line	1
49	Retaining ring 15	1	69	Wave pipe	1
50	Screw M5X20	1	70	Screw M5	1
51	Clutch drum	1	71	Nylon wire band	1
52	SplintA	1	72	Warming mark	1
53	SplintB	1	73	Protector	1
54	Screw M5X20	1			

WARRANTY CARD

Dear customers, the warranty service for purchasing TEH products is as follows:

Under normal use, within three months from the date of purchase. It is guaranteed that the damage is caused by the quality of the tool.

The following conditions occur during the warranty period, not covered by the warranty:

- a. Any valid legal document (single ticket) certifying the date of purchase
- b. Any damage caused by natural wear and overload
- c. Any damage caused by the use of low-priced inferior accessories
- d. Any damage caused by improper carrying, transportation or storage
- e. Any product that has been opened, repaired, replaced, or modified by itself
- f. Any damage caused by misuse, beyond the scope of use of the tool, and failure to use and maintain in accordance with the instructions.

ladies/gentlemen: _____ employer: _____

contact number: _____ fax number: _____

contact address: _____

warranty record: _____

post code: _____

IMPORTANT NOTE

1. The invoice and warranty card must be presented at the time of warranty.
2. The fuselage number on the invoice is the same as the fuselage number on the warranty card.
3. Once this warranty card is issued, if it is lost, it will not be reissued. Please keep it properly.

Note: The company reserves the right to amend the above provisions and has the final interpretation right in the case that the warranty service does not violate national laws.