LawnMaster

OPERATOR'S MANUAL

EN p. 2 16 Inch / 10 Amp Tiller / Cultivator TE1016M



TE1016M





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PRODUCT SPECIFICATIONS

Model:	TE1016M
Nominal Voltage :	120V~60Hz
Tilling Width:	16" (400mm)
Maximum Tilling Depth :	9" (220mm)
Nominal Current :	10(A)
Number of tines :	6
Tine Diameter :	8"(205mm)
Weight:	26.2 Lbs / 11.87 kg

A TO REDUCE RISK OF INJURY:

Before any use be sure everyone using this product reads and understands all safety instructions and other information contained in this manual.

A CAUTION:

Wear appropriate personal hearing protection during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

▲ Warning!

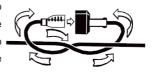
When using electric gardening appliances, basic safety precautions should always be followed to reduce risk of fire, electric shock, and personal injury, including the following: READ ALL INSTRUCTIONS

GENERAL SAFETY

- CHECK FOR DAMAGED PARTS Before further use of the product, any part that is damaged should be carefully checked to determine that it will operateproperly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other condition that may affect its operation. Any part that is damaged should be properly repaired or replaced.
- AVOID DANGEROUS ENVIRONMENTS Don't use this product in rainy, stormy, dampor wet locations. Do not operate in gaseous or explosive atmospheres. Motors in these products normally spark, and the sparks might ignite fumes.
- KEEP CHILDREN AWAY All visitors, children and pets should stay at a safe distance from the work area.
- DRESS PROPERLY- Don't wear loose clothing or jewelry and wear protective hair covering to contain long hair. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors.
- USE SAFETY GLASSES Wear safety glasses with side shields or goggles when operating this
 product. Use face or dust mask if environment is dusty.

SAFETY INFORMATION

- DOUBLE INSULATION The tiller/cultivator has double insulation. This means that all external metal parts are insulated from the electrical supply. This is achieved by introducing an insulation layer between electrical and mechanical parts. The double insulation guarantees you the greatest possible safety.
- EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension
 cord be sure it is heavy enough to carry the current your product will draw. An undersized
 extension cord will cause a drop in line voltage resulting in loss of power and overheating.
- It is possible to tie the extension cord and power cord in a knot to
 prevent them from becoming disconnected during use. Make the
 knot as shown, then connect the plug end of the power cord into
 the receptacle end of the extension cord. This method can also be
 used to tie two extension cords together.



		Volts	Total length of cord feet			l feet
		120V	25	50	100	150
Ampere rating more than	Ampere rating not more than			A	AWG	
0 - 6			18	16	16	14
6 - 10			18	16	14	12
10 - 12			16	16	14	12
12 - 16			14	12 Not Recommended		nmended

- Be aware of the extension cord while operating the tiller/cultivator. Be careful not to trip on the cord.
 Always guide the cord away from the tines.
- Avoid Unintentional Starting Don't carry plugged-in appliance with finger on switch, Be sure switch
 is off when plugging in. Don't grasp the exposed cutting tines or cutting edges when picking up or
 holding the appliance. Don't Force Appliance It will do the job better and with less likelihood of a
 risk of injury at the rate for which it was designed. Keep hands away from tines.
- GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
- Protection should be provided on the circuit or outlet to be used for the tiller/cultivator. Receptacles
 are available having built-in GFCI protection and may be used.
- DISCONNECT UNIT from the power supply when not in use or when servicing or cleaning. Do not leave unattended.

SAFETY INFORMATION

- DON'T ABUSE CORD Never carry this product by the cord or yank the cord to disconnect from the receptacle. Keep cord from heat, oil, and sharp edges.
- USE RIGHT APPLIANCE Do not use this product for any job except that for which it is intended.
- DON'T OVERREACH Guide the tiller/cultivator at a walking pace only. Keep proper footing and balance at all times.
- · LIGHTING Only operate your tiller/cultivator in daylight or good artificial light.
- STORE IDLE UNIT INDOORS-When not in use, the tiller/cultivator should be stored indoors in a
 dry area out of children's reach.
- MAINTAIN UNIT WITH CARE-Keep clean for best performance and to reduce the risk of injury.
 Inspect extension cord periodically and replace if damaged. Keep handles dry, clean and free from oil.
- POLARIZED PLUGS-To reduce the risk of electric shock, this product has a polarized plug. Polarized connections will fit together only one way. Make sure that the receptacle end of the extension cord has large and small blade slot widths. If the plug does not fit fully into the extension cord, reverse the plug. If it still does not fit, obtain a suitable extension cord. If the extension cord does not fit fully into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug on the tool or the extension cord in any way.
- Do not operate the tiller/cultivator on a slope that is too steep for safe operation. When on slopes, slow down and make sure you have good footing. Before starting the tiller/cultivator make sure the times are not touching any object and are free to move. Grip the guide bar firmly with both hands. Never operate the tiller/cultivator with one hand.

A CAUTION:

The tiller/cultivator may bounce upward and/or jump forward if the tines strike extremely hard packed soil, frozen ground, or buried obstacles such as large stones, roots or stumps.

STAY ALERT - Watch what you are doing. Use common sense. Do not operate the tiller/cultivator
when you are tired or under the influence of drugs or medication.

A WARNING:

Do not operate the tiller/cultivator near underground electrical cables, telephone lines, pipes or hoses. If the tiller/cultivator strikes a foreign body, turn it off immediately, wait for the tines to stop and check for damage. If necessary, repair before restarting. If the tiller/cultivator starts to vibrate abnormally, turn it off immediately and check for the cause. Vibration is generally a warning of trouble.

A DANGER:

RISK OF CUT - Wear gloves and use caution when cleaning or performing maintenance on the tiller/cultivator. Always turn off the tiller/cultivator, disconnect from the power supply and wait until the tines come to a complete stop before carrying out any maintenance or repairs.

A CAUTION:

Tines do not stop immediately after the tiller/cultivator is turned off.

A CAUTION:

Risk of injury. Do not put hands, feet or any body part or clothing near the rotating tines.

A WARNING:

The electrical cords on this product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

A WARNING:

Some dust and debris created by the use of this tool could contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Some examples of these chemicals are:

- chemicals in fertilizers
- compounds in insecticides, herbicides, and pesticides
- arsenic and chromium from chemically treated lumber

Your risk from exposure to these chemicals varies, depending on how often you do this type of work. To reduce your exposure, work in a well-ventilated area and with approved safety equipment such as dust masks that are specially designed to filter out microscopic particles.

SPECIFIC SAFETY INFORMATION

Training

- Read the operating and service instruction manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
- 2. Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- 3. Keep the area of operation clear of all persons, particularly small children, and pets.
- 4. Keep in mind that the operator or user is responsible for accidents or occurring to other people, their property, and themselves.

Preparation

- 1. Thoroughly inspect the area where the equipment is to be used and remove all foreign objects.
- 2. Disengage all clutches and shift into neutral before starting the motor.
- 3. Do not operate the equipment without wearing adequate outer garments. Wear protective footwear that will improve footing on slippery surfaces.
- 4. Use extension cords and receptacles as specified by the manufacturer for all units with electric drive motors or electric starting motors.
- 5. Never attempt to make any adjustments while the motor is running.

Operation

- 1. Do not put hands or feet near or under rotating parts.
- 2. Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic. Do not carry passengers.
- 3. After striking a foreign object, stop the motor, thoroughly inspect the machine for any damage, and repair the damage before restarting and operating the machine.
- 4. Exercise caution to avoid slipping or falling.
- 5. If the unit should start to vibrate abnormally, stop the motor and check immediately for the cause.

 Vibration is generally a warning sign of trouble.
- Stop the motor when leaving the operating position, before unclogging the tines, and when making any repairs, adjustments, and inspections.
- Take all possible precautions when leaving the machine unattended. Disengage the power take-off, lower the attachment, shift into neutral, stop the motor, and remove the key (if a applicable).
 - Before cleaning, repairing, or inspecting, shut off the motor and make certain all moving parts have stopped.

SPECIFIC SAFETY INFORMATION

- Never operate the machine without proper guards, plates, or other safety protective devices in place.
- 10. Keep children and pets away.
- 11. Do not overload the machine capacity by attempting to till too deep at too fast a rate.
- 12. Never operate the machine at high transport speeds on hard or slippery surfaces.
- 13. Never allow bystanders near the unit.
- 14. Use only attachments and accessories approved by the manufacturer of the machine (such as wheel weights, counterweights, and the like).
- 15. Never operate the tiller without good visibility or light.
- 16. Be careful when tilling in hard ground. The tines may catch in the ground and propel the tiller forward. If this occurs, let go of the handlebars and do not restrain the machine.
- 17. Use extreme caution when reversing or pulling the machine towards you.
- 18. Switch on the motor carefully according to instructions and with feet well away from the tines.
- 19. Never pick up or carry a machine while the motor is running.
- 20. Do not operate the tiller while under the influence of alcohol or drugs.

Maintenance and Storage

- 1. Keep machine, attachments, and accessories in safe working condition.
- 2. Check shear bolts, and other bolts at frequent intervals for proper tightness to be sure the equipment is in safe working condition.
- Always refer to the operator's manual for important details if the tiller is to be stored for anextended period.
- Follow manufacturer's recommendations for safe loading, unloading, transport, and storage of machine.

SYMBOLS

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
А	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watts	Power
min	Minutes	Time
\sim	Alternating Current	Type of current
	Direct Current	Type or a characteristic of current
n _o	No Load Speed	Rational speed, at no load
	Class II Construction	Double-insulated construction
/min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute
	Wet Conditions Alert	Do not expose to rain or use in damp locations
	Read The Operator's Manual	To reduce the risk of injury user must read and understand operator's manual before using this product.
	Eye Protection	Wear eye protection when operating this equipment.
*	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
%	Sharp Blade	Danger – Keep hands and feet away from blade.
50°15m	Keep Bystanders Away	Keep all bystanders at least 50 ft. away.

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
lack	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
lack	WARNING	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
A	CAUTION	Indicates a potentially hazardous situation, which, if not avoided,may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to your nearest **AUTHORIZED SERVICE CENTER** for repair. When servicing, use only identical replacement parts.



WARNING

To avoid serious personal injury, do not attempt to use this product until you have read this Owner's Manual thoroughly and understand it completely. If you do not understand the warnings and instructions in this Owner's Manual, do not use this product.

Call the Toll-free Helpline (1-866-384-8432) for assistance.



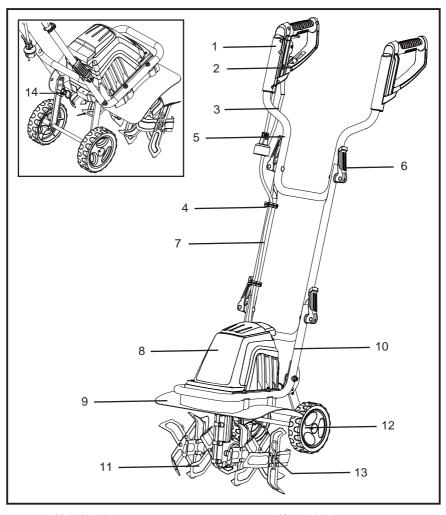
WARNING



The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and, when needed, a full face shield. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI 787.1

SAVE THESE INSTRUCTIONS

KNOW YOUR TILLER / CULTIVATOR



- 1 Main Handle
- 2 Cord Retainer
- 3 Power Plug
- 4 Cable Clip
- 5 Upper Handle Assembly
- 6 Cam Lock Assembly
- 7 Center Handle Section

- 8 Motor Housing
- 9 Motor Support Plate
- 10 Lower Handle Section
- 11 Tine Assembly (right/left)
- 12 Transport Wheels
- 13 R Clip
- 14 Locking Button

UNPACK

- 1. Unpack all parts and lay them on a flat, stable surface.
- 2. Remove all packing materials and shipping devices if applicable.
- 3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
- 4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

You Will Need (items not supplied)

- · Suitable personal protective equipment
- · Philips screwdriver

(Item supplied)

- Tiller unit
- · Upper handle assembly
- · Lower handle assembly
- · Hardware pack:

Bolt (M6 X 57) X 4

Plane washer (Ø6) X 4

Camlock X 4

Wheel X 2

Wheel cap X 2

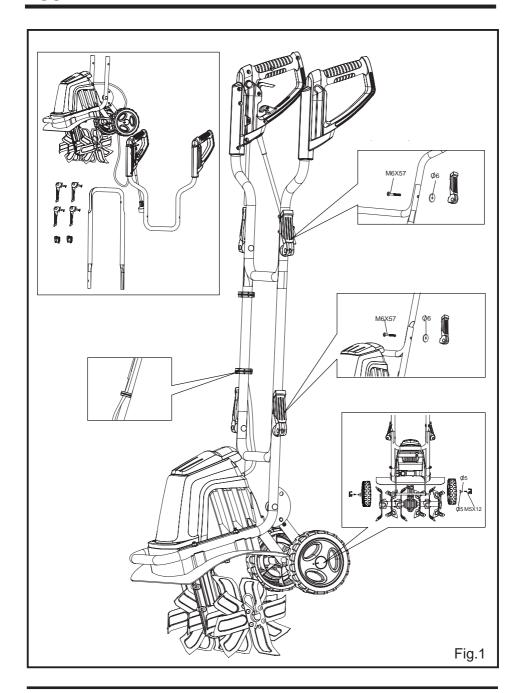
Cable Clip X 2

• Below parts are assembled on the Tiller in package:

Plane washer (Ø5) X 2

Wave washer (Ø5) X 2

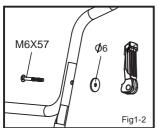
Screw (M5X12) X 2

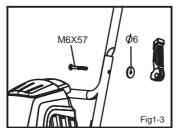


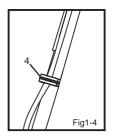
ASSEMBLY

This product must be assembled correctly before use.

- Remove the plane washers (Ø5), wave washers (Ø5) and screws (M5x12) from wheel axis of tiller, then place one wheel (12) over each side of axle, then attach using plane washer (Ø5), wave washer (Ø5) and screws (M5x12) to secure (Fig1-1).
- Press the wheel covers into the wheel and cover the ends of the axles. A rubber mallet may be used to seat them securely onto the wheels (Fig1-1).
- 3. Attach the center handle section (7) to the lower handle section (10) using the two supplied bolts, washers and camlocks (6) (Fig.1-2).
- 4. Fasten the upper handle section (5) to the center handle section (7) using the two supplied bolts and camlock and washer (6) (Fig.1-3).
- 5. Use the two supplied cable clips (4) to secure the cord (Fig.1-4).







Ø5

Fig1-1

AWARNING:

If any parts are damaged or missing do not operate this product until the parts are replaced. Failure to heed this warning could result in serious personal injury. Call our customer service help line.

A WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or odification is misuse and could result in a hazardous condition leading to possible serious personal injury.

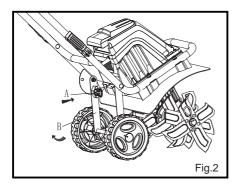
A WARNING:

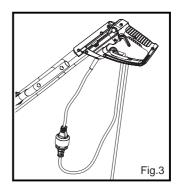
Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

OPERATING

STARTING:

- Make sure the wheel frame is raised before you start the tiller. To raise the frame, pull out the Locking button (Step A); rotate the wheel frame upward (Step B); release the Locking button. The wheel frame will be locked in place by the Locking button (Fig.2).
- 2. Secure the extension cord into the cord retainer (2). The loop of the extension cord must be long enough for the cord retainer to freely slide from one side to the other. Plug the extension cord into the power cord plug on the tiller (Fig.3).
- 3. Use the tiller/cultivator for breaking sod, preparing seed beds, and for cultivating gardens and flower beds. The tiller/cultivator can also dig small holes for planting saplings or potted plants.
- 4. Move the tiller/cultivator to the work area prior to starting the motor.
- 5. Hold the tiller/cultivator firmly while starting. The tines will pull the tiller/cultivator forward during operation.
- 6. Lower the tines slowly with the guide bar.



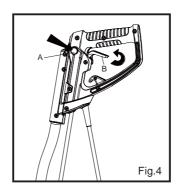


TO START THE TILLER / CULTIVATOR PRESS THE SAFETY Locking button (FIG.4) .

- 1. (A) Depress the safety switch and then pull the trigger lever.
 - (B) Pull the trigger lever up and against the motor
- will start and the tines will begin to rotate.To stop the tiller/cultivator simply release the lever.
- 3. For breaking sod or deep tilling, allow the tines to pull the tiller/cultivator forward to the end of your arm's reach, then firmly pull it back toward yourself. You will achieve the best results by repeatedly allowing it to move forward and pulling it back.
- 4. By pulling the tiller/cultivator back towards yourself, the tines will dig deeper and more aggressively.

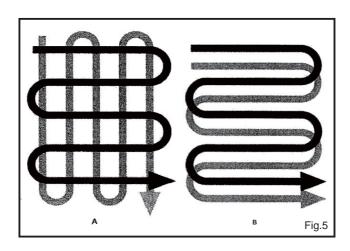
OPERATING

- 5. To prevent tripping, take extra precautions when moving backwards and when pulling the tiller / cultivator back toward yourself.
- 6. If the tiller/cultivator digs deep enough to stay in one spot, gently rock it side to side until it starts moving forward again. Never pass the tiller/cultivator over the extension cord.
- 7. Make sure the cord is always in a safe position behind you.
- 8. When working on inclines always stand diagonally to the incline to retain a firm, safe footing.
- 9. Do not work on extremely steep slopes.



FOR PREPARING SEED BEDS, WE RECOMMEND USING ONE OF THESE TILLING PATTERNS (FIG.5):

Tilling Pattern A- Make two passes over area to be tilled, the second at a right angle to the first. Tilling Pattern B- Make two passes over area to be tilled, the second overlapping the first.



OPERATING

Before use, remove any visible stones or other foreign bodies from the area.

A CAUTION:

Before moving the tiller/cultivator from one area to another switch off the motor and wait for the tines to come to a complete stop. Be careful not to let the tines touch the ground while moving the tiller/cultivator. The tines as well as the unit itself may be damaged even if the motor is switched off.

CLEARING FOREIGN OBJECTS:

During operation a stone or root could become lodged in the tines, or tall grass or weeds may become wrapped around the tine shaft.

To clear the tines or tine shaft release the trigger lever, wait for the tines to come to a complete stop and unplug the tiller/cultivator. Dislodge or remove the foreign matter from the tines or tine shaft. To simplify removal of tall grass or weeds from the tine shaft, remove one or more of the tines. See Tine Removal and Installation.

MAINTENANCE

BEFORE CARRYING OUT MAINTENANCE OPERATIONS, DISCONNECT POWER SUPPLY.

Before each use check the extension cord for signs of damage or ageing. Replace the cable if it is cracked, split or otherwise damaged. Check the condition of the tines and ensure that all threaded connections are securely tightened. If the tines become dull or blunt, sharpen or replace them. Call our customer service help line.

Once per season lubricate the tines and shaft. At the end of the season, check the tiller/cultivator for damage prior to storing. Repair or replace damaged or broken parts.

A CAUTION:

Always clean the tiller/cultivator after each use. Failure to carry out proper cleaning can result in damage to the tiller/cultivator or result in poor performance.

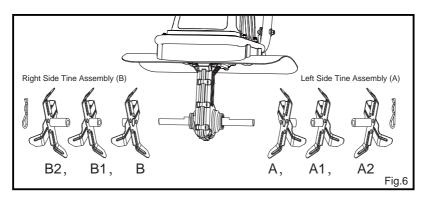
Clean the underside of the motor support plate and housing around the tines with a scrub brush, and a soft cloth dampened with a mild soap and water mixture. **Never use a water hose to clean the tiller! To** remove soil and debris from the transmission and tines, use a stiff brush or a dampened cloth. Clean the vents on the motor housing and remove any remaining grass or dirt. Once cleaned, wipe the tines and shaft dry and apply a light coat of oil to prevent rust.

TINE REMOVAL AND INSTALLATION (FIG. 6):

Worn tines invite poor performance and overload of the motor. Check tines before each use.

Sharpen or replace the tine assemblies with new ones when necessary.

To remove the complete tine assemblies from the shaft, remove the R Clip(13) from the shaft first. Reverse above steps to install tines. These 6 tines have different shapes. Each tine is stamped with its own identifier code (A,A1,A2,B,B1,B2). You should install tine assemblies with a sequence according Fig6.

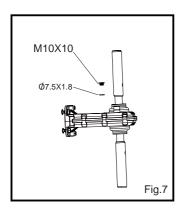


WARNING:

Injury can occur while working on the tines. Wear protective gloves. To remove the complete tine assemblies from the shaft, remove the B shape fixed pin (13) from the shaft. Remove the tine assembly from the shaft. Reverse above steps to install tines.

ADDING TRANSMISSION LUBRICANT (FIG.7):

Drain screw plug is located on the right side of transmission housing. Lay the tiller/cultivator on its left from user's perspective side and clean the transmission of dirt and debris prior to removing the drain screw plug. If necessary, remove tine assemblies to have better access to the drain screw plug. Use a 5mm hex key to unscrew the plug. Empty the oil from the transmission. Fill with a high-quality SAE 30 weight oil, until it begins to seep out around the hole. Reinstall the drain screw plug.



STORAGE

Store the Tiller/Cultivator in a dry, clean area out of reach of children.

During extended periods of storage, ensure that the tiller/ cultivator is protected against corrosion and frost.

At the end of the season, or if the tiller/cultivator is not being used for longer than a month, wipe over all metal surfaces with an oil impregnated cloth to protect them from corrosion or spray with a fine coat of oil. Fold the guide bar down, and store the tiller/cultivator in a suitable place.

TROUBLESHOOTING

Problem	Possible causes	Remedy		
Motor does	Unit not plugged in	Plug in the unit		
not start	No electricity	Check power supply		
	Defective cable	Check cable.Repair or replace if required		
	Defective safety switch/plug	Arrange for repair		
	Overheat protection activated	Working depth too large, set to a shorter depth.		
		2. Tines blocked, remove the blockage.		
		Soil too hard, select correct work depth and move forward and backward several times while slowing down the operation		
		speed. Wait until the motor cools down for		
		about 15 minutes before further use.		
Abnormal noises	Tine is jammed	Switch off. Wait till tines comes to a completes top. Remove jammed objects.		
1101000	Lubrication running out	Tiller/cultivator must be repaired. Send in to		
		Service Centre for repair.		
	Bolts, nuts or other components are loose.	Tighten all components. Arrange for repair if noises continue.		
Abnormal vibrations	Tines damaged or worn Working depth too large	Replace damaged or worn tines. Set to correct working depth		
Poor results	Working depth too small Worn tines	Set to correct working depth. Replace damaged or worn tines		

WARRANTY

We take pride in producing a high quality, durable product. This Lawnmaster® product carries a limited two (2) year warranty against defects in workmanship and materials from date of purchase under normal household use. If product is to be used for commercial, industrial or rental use, a 30 day limited warranty will apply. Warranty does not apply to defects due to direct or indirect abuse, negligence, misuse, accidents, repairs or alterations and lack of maintenance. Please keep your receipt/packing list as proof of purchase. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state. For product service call Customer Service at (866) 384-8432.

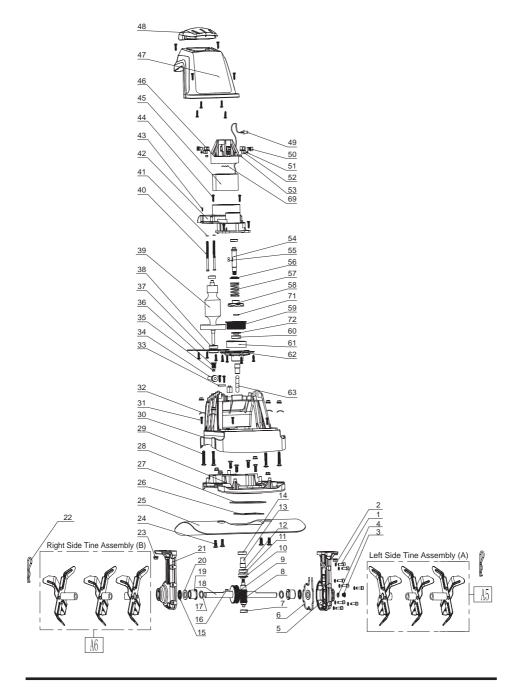
Items not covered by warranty:

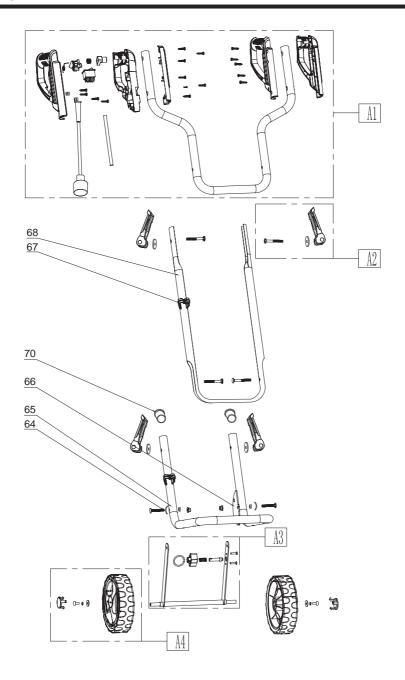
- 1. Any part that has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance, or alteration;
- 2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual;
- 3. Normal wear, except as noted below;
- 4. Routine maintenance items such as lubricants, blade sharpening;
- 5. Normal deterioration of the exterior finish due to use or exposure.

Transportation Charges:

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. It is the purchaser's responsibility to pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by LawnMaster.

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.





PARTS LIST

Part No.	Part Name	QTY'	Part No.	Part Name	QTY'
1	Screw M6x18	8	37	Rotor Locating Plate	1
2	Washer 6mm	8	38	Bearing 6000	1
3	Screw M10x10	1	39	Rotor Assy	1
4	O-rings	1	40	Screw M5x85	2
5	Right Gear Box	1	41	Elastic Gasket 5	4
6	Gear Box Case Sealing Strips	1	42	Motor Support Base	1
7	Ball Bearing	3	43	Screw St4x12	2
8	Worm Shaft	1	44	Screw St4x20	6
9	Worm Wheel	1	45	Stator Assy	1
10	Sleeve	1	46	Motor Support Base	1
11	Thrust Bearing	1	47	Housing	1
12	Ball Bearing	1	48	Housing Cover	1
13	Spindle Sleeve	2	49	Carbon Brush Insert	2
14	Rubber Seal 14	1	50	Carbon Brush	2
15	Rubber Seal Guard	2	51	Screw St3x8	2
16	Flat Key 4x4x16	1	52	Carbon Brush Frame	2
17	Washer 19	2	53	Nut (S=5.5)	2
18	Worm Wheel Shaft	1	54	Shaft	1
19	Oil Bearing	2	55	Steel Ball	2
20	Rubber Seal 19	2	56	Sleeve	1
21	Left Gear Box	1	57	Spring	1
22	R Clip	2	58	Spring Holder	1
23	Nut M6	14	59	Belt Roller	1
24	Coach Screw M6x20	8	60	Ball Bearing	1
25	Safty Guard	1	61	Belt	1
26	Sponge Mat 1	1	62	Support Base	1
27	Sponge Mat 2	1	63	Shaft	1
28	Casing Seat	1	64	Coach Screw M6x35	2
29	Screw M6*50	4	65	Lower Handle Section	1
30	Chassis	1	66	Wheel Adjustment Plate	1
31	Screw St4x16	41	67	Cable Clip	2
32	Corrugated Gasket	4	68	Center Handle Section	1
33	Cable Clamp	3	69	Corrugated Gasket	1
34	Cable Sleeve	2	70	Plug	2
35	Nut M8	1	71	Red Steel Paper	1
36	Pinion	1	72	Axle Sleeve	1
A1	Upper Handle Assembly w/Power Cord	1	A4	Wheel Assembly	2
A2	Cam Knob Assembly	4	A5	Left Side Tine Assembly	1
A3	Locking Axle Assembly	1	A6	Right Side Tine Assembly	1

NOTE		