

LawnMaster®

SAFETY AND OPERATING MANUAL



26cc CURVED SHAFT LINE TRIMMER

LMCG260EH

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INTRODUCTIONS

Thank you for purchasing the Line Trimmer. This manual will explain the functions and use of the Line Trimmer. Please read this manual carefully before operating the machine.

TECHNICAL DATA

	MODEL	LMCG260EH
MAIN UNIT	Remote type	Automatic centrifugal clutch; flexible shaft
	Idle speed(r/min)	2800±200
	Reduction ratio	1:1
	line rotation direction	Counter-Clockwise(seen from the top)
	Type of handle	D-handle
	Weight when dry(kg)	6.5
	Nylon Head	2.4mm Line Diameter
ENGINE	Name of engine	1E34N
	Type	Air-cooled; 2 cycle; vertical piston valve; gasoline engine
	Displacement(cc)	25.4
	Maximum output(kW/r/min)	0.75/7500
	Carburetor	Diaphragm-type
	Ignition	Non-contact electronic ignition
	Method of starting	Recoil type
	Fuel used	Gasoline mixed with 2 stroke oil 40:1
Fuel tank capacity(L)	0.45	

Technical Data is subject to change without notice.

1. GRAPHIC WARNINGS

The line trimmer is a high-speed and fast cutting power tool. All safety precaution must be observed to reduce the risk of personal injury. Please read this manual carefully and become familiar with the controls before using the unit.



This graphic accompanied by the words of WARNING or DANGER requires your attention, to an act which could lead to SERIOUS INJURY.



READ & UNDERSTAND Operator's Manual and Safety Manual.



ALWAYS WEAR EYE AND EAR PROTECTION.



Always TURN OFF the engine and make sure the cutting tool has stopped before cleaning, removing or adjusting the line.



WARNING! Never modify the Line Trimmer in any way. Im-proper use of any trimmer can cause SERIOUS OR FATAL PERSONAL INJURY.



WARNING! The engine exhaust from this product contains chemicals that may be a health risk if inhaled directly.

Specifications, descriptions and illustrative material in this manual are accurate at the time of publication, but are subject to change without notice.

Illustrations may include optional equipment and accessories, and may not include all standard equipment.

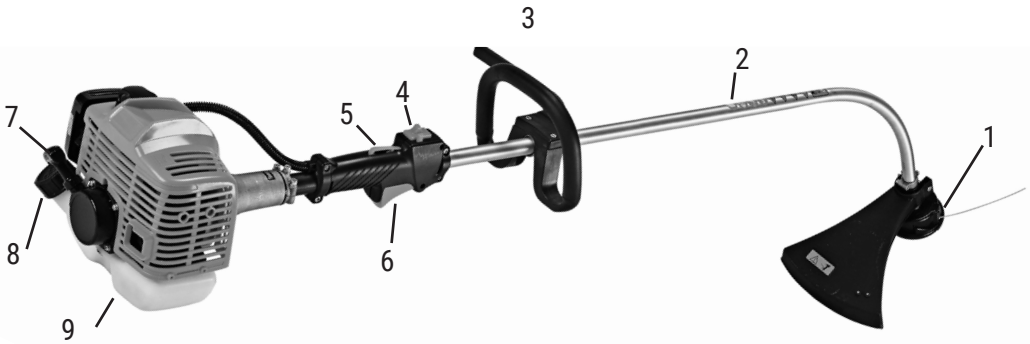
2. SAFETY RULES & PRECAUTIONS

When using the equipment, a few safety precautions must be observed to avoid injuries and damage.

Please read the operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give or sell the unit, please ensure you hand over the operating instructions and safety regulations. We cannot accept any liability for damage or accidents which arise from not following instructions and safety regulations.

- When working with the unit, all safety precautions must be taken.
- Always wear safety goggles and dress appropriately. Do not wear loose clothing or jewelry that could become caught in moving parts of the unit. It is recommended that legs and feet be covered to protect from flying debris during operation. Safe, sturdy, nonskid footwear should be worn. Long hair should be tied back.
- Inspect the entire machine for loose parts (nuts, bolts, screws, etc.) and any damage. Repair or replace as necessary before using the machine.
- Keep the handles free from oil and fuel. Always use proper handles and shoulder strap when cutting.
- Do not smoke while mixing fuel or filling tank and DO NOT mix fuel in an enclosed room or near open flames. Assure adequate ventilation. Always mix and store the fuel in a properly marked container that is approved by local codes and ordinances for such usage.
- Do not remove the fuel tank cap while the engine is running and never start or run the unit inside a closed room or building. Fumes from the exhaust contain dangerous carbon monoxide.
- Do not make engine adjustments while the unit is running and or strapped to an operator. Always make engine adjustments with the unit resting on a flat, clear surface.
- Do not use the unit if it is damaged or poorly adjusted. Never remove the machine's guard as this could result in serious injury to the operator or bystanders as well as damage to the unit.
- Inspect the area and remove all debris that could be entangled in the nylon cutting head before cutting.
- Keep children and onlookers away at a safe distance from the working area. We recommend at least 15 meters (50 FEET).
- Never leave the machine unattended.
- Do not overreach. Keep proper footing and balance at all times. Do not run the unit while standing on a ladder or on any other unstable footing location.

- Keep hands and feet clear of the nylon cutting head while unit is in use.
- Do not use this type of machine to sweep away debris.
- Do not use the unit when you are tired, ill or under the influence of medication, drugs or alcohol.
- When using the nylon-cutting head. If a stone or any other obstacle is hit, stop the engine and check the nylon cutting head. A broken or unbalanced nylon cutting head must never be used.
- Do not store in a closed area where fuel vapors can reach an open flame from hot water heaters, furnaces, etc. Store in a locked, well ventilated area only.
- Clean the machine completely, especially, the fuel tank, its surroundings, and the air cleaner.
- When refueling, be sure to stop the engine and confirm that it is cooled down. Never refuel a unit that is running or hot. When gasoline spills, wipe it up completely and dispose of those materials before starting the engine.
- When approaching someone that is in operation of this machine, carefully call out to get his attention and confirm that the operator stops the engine before getting close. Be careful not to startle or distract the operator, which can cause an unsafe situation.
- DO NOT touch the nylon cutting head when the engine is running. If it is necessary to adjust the protector or nylon cutting head, be sure to stop the engine before doing so.
- The engine should be turned off when the machine is being moved between working areas.
- Unreasonable rough operation will shorten the life of the machine as well as create an unsafe environment for yourself and those around you.
- Pay attention to loosening and overheating of parts. If the machine stops operating in an unusual manner, immediately inspect the machine carefully. If necessary, have the machine serviced by a service agent. DO NOT continue to operate a machine that may be malfunctioning.
- In start-up or during operation of the engine, do not touch the hot parts of the unit such as the muffler, the high voltage wire or the spark plug. After the engine has stopped and the muffler is still hot, never place the machine on any flammable materials or areas such as dry grass or near combustible gases or combustible liquids.
- Pay a special attention to operating in the rain or just after the rain as the ground may be slippery. If you slip or fall to the ground or into a hole, release the throttle lever immediately.
- Be careful not to drop the machine or hit it against obstacles.
- Before proceeding to adjust or repair the machine, be sure to stop the engine and detach the spark plug cap from the spark plug.
- When the machine is placed in storage for a long time, drain the fuel from the fuel tank, and carburetor. Clean the parts and move the machine to a safe place to let the engine cool down.
- Make periodic inspections to assure safe and efficient operation. Have the unit serviced by a Service Dealer on a periodic basis.
- Exposure to long periods of vibration in cold conditions may cause tingling and burning sensations followed by loss of color and numbness to the fingers.
- The following precautions are strongly advised:
 - Keep your body warm, especially the head, neck, feet, ankles, hands and wrists.
 - Limit the hours of operation. Try to fill each day with jobs where operating the unit or other hand-held power equipment is not required.
 - If you experience discomfort, redness and or swelling of the fingers followed by whitening and loss of feeling.
 - Consult your physician before exposing to further cold weather and intense labor.
- Always wear ear protection, loud noise for long time can make hearing debase even lost hearing.
- Total face and head protection must be worn at all times. Wear non-slip heavy-duty work gloves to improve your grip on the brush cutter handle.



3. DESCRIPTIONS

Read the manual before operating the unit and keep the information for future reference to learn safe operating techniques.

1. NYLON HEAD

2. DRIVE SHAFT ASSEMBLY

Contains a custom designed liner flexible drive shaft.

3. D-HANDLE

A handle that can be adjusted for your convenience and comfort.

4. IGNITION SWITCH

"Slide switch "mounted on top of the Throttle Trigger Housing. Move switch FORWARD to Run. BACK to STOP.

5. SAFETY LEVER

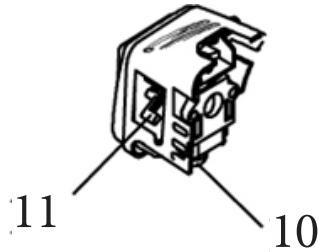
Before acceleration, please compress it.

6. THROTTLE TRIGGER

Spring loaded to return to idle when released. When accelerating, press trigger gradually as a guide for best operating technique. Do not hold trigger while starting.

7. STARTER CORD

8. FUEL TANK LID



9. FUEL TANK

Contains fuel and fuel filter.

10. PURGE BULB

Pushing purge Bulb (7 to 10 times before starting), will remove all the air and stale fuel from the fuel system to bring fresh fuel to the carburetor.

11. CHOKE

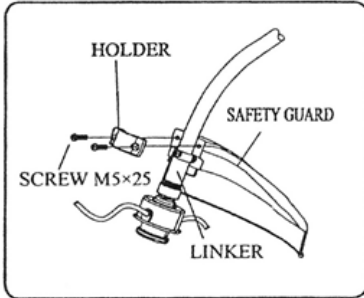
The choke control is located on the side of the filter cover. For COLD STARTS, pull lever up to close choke. Push lever down for RUN position.

4. ASSEMBLY

INSTALLING PLASTIC SHIELD

Install the safety cover on the shaft with the safety cover bracket and the screws provided.

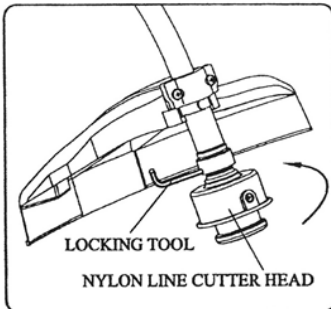
Tighten the screws after setting the safety cover bracket at the appropriate position.



INSTALLING NYLON LINE CUTTER HEAD

With shaft facing towards you/up
Align hole in adapter plate with hole in shaft and
install locking tool.

Thread cutter head onto shaft (turning it counter
clockwise) until it is tight. Remove locking tool.



INSTALLING HANDLE

Install handle in bracket. Position handle in a
comfortable operating position and tighten four
M5x25 screws.

5. RULES FOR SAFE OPERATION

⚠ WARNING

Read the "Rules for Safe Operation" with care and
follow the instructions in the manual to operate the
unit safely.

Read and be thorough with the basic controls and
functions of the unit. It is important that you know
how to stop and to shut off the engine, and to unhook
a harnessed unit quickly.

Do not allow anyone without proper instruction or
training to operate the unit. All operators of the unit
should wear appropriate foot, leg, eye, face and
hearing protection. Do not rely on the debris shield
on the unit to protect your eyes from thrown objects.

Keep the area clear of bystanders, children and pets.
Never allow children to operate or play with the unit.
Do not allow anyone to enter the operating DANGER
ZONE with you. The danger zone is an area 15 meters
in radius (about 16 paces) or 50 feet.



Insist that persons in the RISK ZONE beyond the
danger zone wear eye protection from thrown
objects. If the unit must be used where there are
unprotected people, operate at a low throttle speed
to reduce the risk of thrown objects.

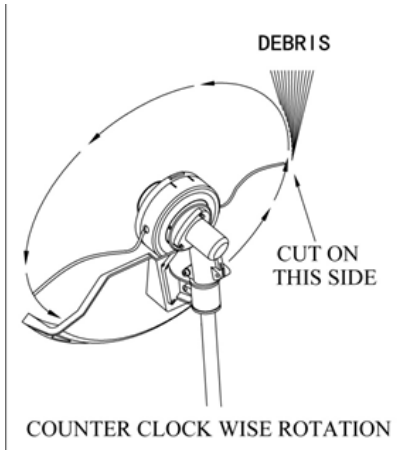
Move the stop switch to "stop" position when the
engine idles, insure it reliable before cutting. Only
may continue to operate the unit when stop switch is
in good condition.

Routines for checking that the cutting attachment
stops turning when the engine idles.

⚠ WARNING

In addition to head, eye, face and ear protection,
please wear appropriate footwear to protect your feet
and to improve footing on slippery surfaces.
Do not wear open-toed footwear, or go bare foot or
bare legged.

Do not wear ties, jewelry, or loose, dangling clothing which could be caught in the unit.



6. CUTTING WITH A NYLON HEAD

Looking down on the unit, the line head rotates in a counter clockwise direction. The CUT-OFF KNIFE will be on the right side of the debris shield.

WARNING

A proper debris shield must be in place on the unit when a nylon cutting line is used. The cutting line can flap around if too much line is exposed. Always use the plastic debris shield with cut-off knife when using nylon cutting heads.

For nearly all cutting, it is good to tilt the line head so that contact is made on the part of the line circle where the line is moving AWAY from you and the debris shield. (See appropriate picture) This results in the debris being thrown AWAY from the working direction.

WARNING

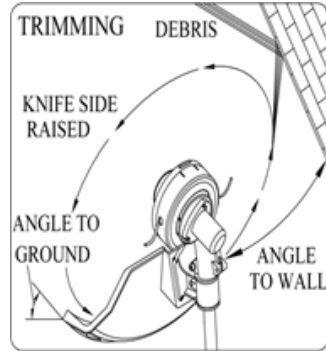
Tilting the head in the other direction will result in debris shooting TOWARDS the direction you are working. If the line head is held flat to the ground so the cutting occurs on the whole line circle, debris will still be THROWN in your working direction. Drag will slow the engine down, and you will use up a lot of line.

WARNING

Use only quality nylon monofilament line that is 2.4mm in diameter. Never use wire or wire reinforced line in place of nylon trimmer line.

WARNING

Use extreme caution when operating over bare spots and gravel. The line can throw small rocks at high speeds and can cause injury. Debris shields on the unit cannot stop objects bouncing off hard surfaces.



Practical Tips

Practice all operating techniques with the engine switched off before starting to use the machine.

CAUTION

Remove all grass and weed remains at regular intervals to prevent the shaft tube overheating. Grass and weed remains become trapped under the safety shield and they prevent the shaft tube receiving adequate ventilation. Remove the remains carefully using a screwdriver or the like.

DIFFERENT CUTTING METHODS

If the machine is correctly assembled with the safety hood and cutting head it will cut weeds and long grass in places with difficult access, for example along fences, walls and foundations and also around trees. It can also be used for mowing work to remove vegetation to allow the better preparation of a garden or to clear a certain area down to the soil.

PLEASE NOTE: Even if it is used carefully, cutting around foundations, stone or concrete walls, etc. will result in the line suffering more than normal wear.

6.1 TRIMMING / MOWING

Swing the trimmer from side to side in a scything motion. Always keep the cutting head parallel to the ground. Check the site and decide what cutting height you require. Guide and hold the cutting head at the required height to ensure that you cut evenly.

6.2 LOWER TRIMMING

Hold the trimmer right in front of you at a slight angle so that the underside of the cutter head is above the ground and the line strikes the correct target. Always cut away from yourself. Never draw the trimmer towards yourself.

6.3 CUTTING ALONG FENCES / FOUNDATIONS

When cutting approach wire mesh fences, lath fences, natural stone walls and foundations slowly so that you can cut close to them without striking the obstacle with the line. If, for example, the line strikes stones, stone walls or foundations, it will wear or fray. If the line strikes wire fencing it will break.

6.4 TRIMMING AROUND TREES

When trimming around tree trunks, approach slowly so that the line does not strike the bark. Walk around the tree, cutting from left to right. Approach grass or weeds with the tip of the line and tilt the cutting head forwards slightly.



WARNING

Take extreme care during mowing work. When doing such work keep a distance of 30 meters between yourself and other people or animals.

6.5 MOWING

For mowing you want to cut all the vegetation down to the ground. To do this, set the cutting head at an angle of 30° to the right. Place the handle in the required position. Remember the increased risk of injury to the user, watchers and animals and the danger of damaging other items due to objects (for example stones) being thrown out.



WARNING

Do not remove any objects from footpaths, etc. using the trimmer. The trimmer is a

powerful tool and can throw small stones and other objects a distance of 15 meters or more, causing injuries and damage to cars, houses and windows.

6.6 EXTENDING THE CUTTING LINE



WARNING

Do not use any kind of metal wire or metal wire encased in plastic in the cutting head. This may cause serious injuries to the user.

To extend the cutting line run the motor at full speed and tap ("BUMP") the cutting head on the ground. This will automatically extend the line. The blade on the safety shield will cut the line to the appropriate length.

6.7 REPLACING LINE

1. Unclip the housing from the line trimmer and remove spool from the spindle.
2. Remove all remaining cutting line from the spool.
3. Cut 4m of line. Fold in half and attach the middle of the line into the groove/slot located in the centre of the spool.

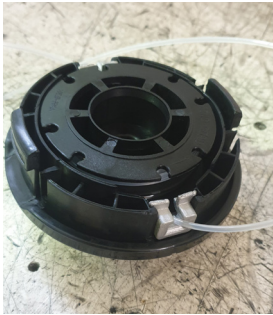


4. Wind both sides of the line on to the spool with tension in the same direction as shown on the inside of the spool. (See above right image).

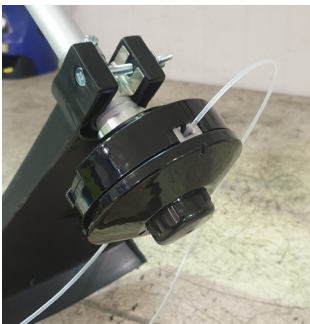
5. Continue to wind the line until you have 150mm of line left on each end. Note: It is helpful to clip and fasten the line on opposite ends of the spool to keep the line from unravelling during the next step.



6. Put the spool into housing. Unclip the line from the spool and place line through the open eyelet on opposite ends of the housing. Ensure the line has not tangled.



7. Clip the housing back onto the line trimmer



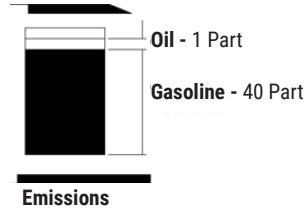
7. FUEL & OIL MIXTURE

WARNING

Do not fill the fuel tank to the brim and also do not add fuel to the tank in a closed non-ventilated area.

Fuel used for this model is a mixture of unleaded gasoline and approved engine lubricant. When mixing petrol with two-cycle engine oil, use only petrol that DOES NOT contain ETHANOL or METHANOL (types of alcohols).

Use 91 unleaded petrol to fuel the unit. This will help avoid possible damage to the engine fuel lines and other engine parts.



FUEL

The engine uses two-stroke fuel. If you have emission requirements, the mixture ratio of the fuel to oil should be 40:1. If there are no emission requirements, the mixture ratio can be 25:1. Other Appropriate Fuel Mixtures

Petrol	2-Stroke Oil
1 Litre	25 ml
2 Litre	50 ml
5 Litre	125 ml

Be careful, a wrong mixture of the fuel will cause machine failure.

Petrol

Use 91 Unleaded Petrol.

STORING FUEL

The tank to store the fuel should be clean, anti-static, high-temperature-resistant, fire prevention and safe.

IMPORTANT

Two-stroke fuel may separate. Shake fuel container thoroughly before every use. Do not mix more fuel than you expect to use within a month.

8. PREPARING FOR OPERATIONS

IMPORTANT

Failure to follow proper fuel mix instructions may cause damage to the engine.

1. When preparing fuel mixture, mix only the amount needed for the job you intend to do. Do not use fuel that has been stored longer than two months. Fuel mixture stored longer than this will cause hard starting and poor performance. If fuel mix has been stored longer than this time, it should be removed and filled with a fresh mixture.

WARNING

1. Never fill the fuel tank to the brim. (Under 3/4 of the tank)
2. Never add fuel to the tank in a closed non-ventilated area.
3. Do not add fuel to this unit close to an open fire or sparks.
4. Be sure to wipe spilled fuel before attempting to start the engine
5. Do not attempt to refuel a hot engine.

CHECK POINTS BEFORE OPERATION

1. Check for loose bolts, nuts and fittings.
2. Check the air filter for dirt. Clean before operation.
3. Check to be sure that protector is securely in place.
4. Check to be sure that fuel is not leak.
5. Check to be sure the line is fixed and ready to operate.

8.1 STARTING ENGINE

CAUTION

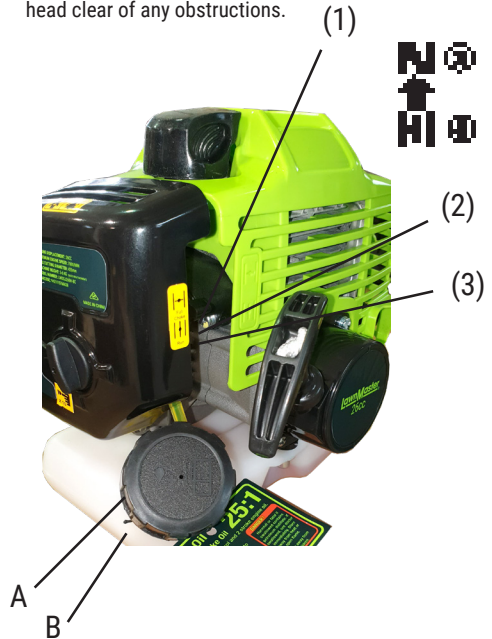
Do not pull the starter cord all the way out and do not let go of the starter handle when the cord is extended, this can damage the starter mechanism.

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

WARNING

The cutting head will start rotating upon the engine starting.

Place the unit on a flat, firm place. Keep the cutting head clear of any obstructions.



1. Check that there is fuel in the tank and that the fuel cap is screwed on tightly.

- (A) Cap
- (B) Fuel tank

2. Fill fuel into the fuel tank and tighten the cap securely.

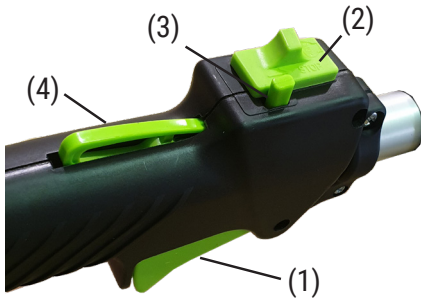
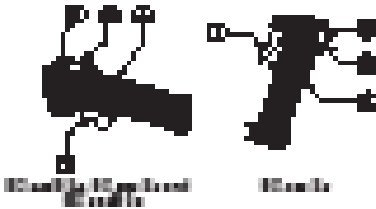
3. Rest the unit on a flat, firm area. Keep the cutting head off the ground and clear of surrounding objects, as it will start rotating upon engine starting.

4. When Cold Starting, move the choke lever to the closed position. (Image on Pg.11)

- (1) Choke lever
- (2) Close
- (3) Open

5. If the engine has been running and is still warm, move the choke lever to the open position.

6. Press the priming bulb under the carburettor repeatedly until excess fuel can be seen returning to the tank through the clear fuel return pipe.



7. Slide the ignition switch (2) on the trigger grip away from the STOP position

8. To set the throttle in the start position.

- Depress the safety lever (4) and squeeze the throttle lever (1) fully. Hold down the starting button (3). Releasing the throttle lever and then the starting button.

- The throttle lever will be held partly open until it is squeezed again.

- (1) Throttle lever
- (2) Ignition Switch
- (3) Starting button.
- (4) Safety Lever

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

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

11. Allow the engine to run for 2 to 3 minutes to warm up before starting work.

NOTE

OVERCHOKING

• Should the engine become flooded due to over-choking set the ignition switch to the STOP (2), unscrew the spark plug, wipe it dry or replace, pull the recoil starter several times without the spark plug in place and with the choke set to the open position. This will help clean and ventilate the combustion chamber.

8.2 STOPPING THE ENGINE

• Set the engine to idling by releasing the throttle lever.

• Set the ignition switch to the STOP (2) position.

• If the engine fails to stop, set the choke lever to the closed position to stall the engine; do not use the machine until the ignition switch is repaired.

RUNNING IN

• During the first ten hours of work, avoid running the engine at maximum speed for a prolonged period until all the components have bedded in. After the engine has been run-in, it will reach its maximum power.



WARNING

DO NOT breath in engine exhausts as it is identified as a health risk and contains chemicals known to

cause cancer, birth defects, or other reproductive harm. Avoid starting the engine in closed unventilated spaces.

9. MAINTENANCE & CARE

AIR FILTER

- Accumulated dust in the air filter will reduce engine efficiency, increase in fuel consumption, and allow abrasive particles to pass into the engine. Remove the air filter as often as necessary to maintain in a clean condition.

- Light surface dust can readily be removed by tapping the filter. Heavy deposits should be washed out in suitable solvent.

- Remove filter cover by loosening air filter cover knob.

ADJUSTING CARBURETOR

NOTE: Do not adjust carburetor unless necessary. If you have trouble with the carburetor, see you a Service Dealer. Improper adjustments may cause engine damage and void warranty.

FUEL FILTER

- Fuel tank is fitted with a filter. The filter is situated at the free end of fuel pipe and can be picked out through fuel port with a piece of hooked wire or the like.

- Check the fuel filter periodically. Do not allow dust to enter into fuel tank. Clogged filter will cause difficulty in starting engine or abnormalities in engine performance.

- When filter is dirty, replace the filter.

- When the inside of the fuel tank is dirty, it can be cleaned by rinsing the tank out with petrol.

CHECK SPARK PLUG

- Do not attempt to remove the spark plug from a hot engine in order to avoid possible damage to the threads.

ORDERING REPLACEMENT PARTS

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

10. DISPOSAL AND RECYCLING

The unit is supplied in packaging to prevent it being damaged in transit. This packaging is raw material and can therefore be reused or can be returned to the raw material system. The unit is made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council for guidance.

11. WARRANTY

Subject to the following conditions, this unit is covered by a comprehensive two-year warranty.

The unit is designed for domestic purposes only, issues and faults due to commercial use may not be covered by warranty. The warranty covers all manufacturing faults but excludes normal wear and tear, misuse, neglect, accidental damage or defects arising from failure to comply with instructions as outlined in this owners manual. Only genuine spare parts can be used for repairs and this must be carried out by an authorised LawnMaster Services Dealer to maintain warranty.

Warranty does not cover the cost of transportation of any part(s) but does cover the labour/parts cost incurred in repairing or replacing any defective part(s) consequential or special damages and / or expenses resulting from any defect.

If the unit requires further repairs or services please visit www.steelfort.co.nz to find your local service dealer.

For all other enquiries contact **Steelfort Customer Services +64 6 350 1350**

12. TROUBLESHOOTING GUIDE

CASE 1. STARTING FAILURE

CHECK	PROBABLE CAUSES	ACTION
Fuel Tank	Incorrect Fuel	Drain it and use correct fuel
Fuel Filter	Fuel Filter is clogged	Clean
Carburettor adjustment screw	Out of normal range	Adjust to normal range
Sparking (no spark)	Spark plug is fouled/wet Plug gap is incorrect	Clean /dry Correct (GAP:0.6-0.7)
Spark plug	Disconnected	Retighten

CHECK	PROBABLE CAUSES	ACTION
Fuel tank	Incorrect fuel or staled fuel	Drain it and use correct fuel
Carburettor adjustment screw	Out of normal range	Adjust to normal range
Muffler, cylinder (exhaust port)	Carbon is built-up	Wipe away
Air cleaner	Clogged with dust	Wash
Cylinder fin, fan cover	Clogged with dust	Clean



LawnMaster

Steelfort

500 Rangitikei Street
Private Bag 11045
Palmerston North, 4442, New Zealand
06 350 1350 | Steelfort.co.nz

Steelfort Auckland

880 Great South Road, Penrose
Auckland, 1061, New Zealand
09 573 1324 | outlet@steelfort.co.nz



SCAN TO VIEW THE
LAWNMASTER RANGE



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