

challenge **xtreme**

PETROL LAWN MOWER



CE

XSZ40 **OPERATING INSTRUCTION**

HELPLINE NO 08454505299

Email Address: customerservices@sumec-europe.com

ORIGINAL INSTRUCTIONS

GENERAL POWER TOOL SAFETY WARNINGS



WARNING! Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save All Warnings And Instructions For Future Reference.

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Caution – Do not touch rotating blade.

Safe operation practices for pedestrian-controlled rotary lawnmowers

1 Training

- a) read the instructions carefully. Be familiar with the controls and the proper use of the equipment;
- b) never allow children or people unfamiliar with these instructions to use the lawnmower. Local regulations can restrict the age of the operator;
- c) never mow while people, especially children, or pets are nearby;
- d) keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

2 Preparation

- a) while mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals;
- b) thoroughly inspect the area where the equipment is to be used and remove all objects which can be thrown by the

machine;

- c) **WARNING** – Petrol is highly flammable
 - store fuel in containers specifically designed for this purpose;
 - refuel outdoors only and do not smoke while refueling;
 - add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol while the engine is running or when the engine is hot;
 - if petrol is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until petrol vapours have dissipated;
 - replace all fuel tank and container caps securely;
- d) replace faulty silencers;
- e) before using, always visually inspect to see that the blade, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance;
- f) on multi-bladed machines, take care as rotating one blade can cause other blades to rotate.

3 Operation

- a) do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect;
- b) mow only in daylight or in good artificial light;
- c) avoid operating the equipment in wet grass, where feasible;
- d) always be sure of your footing on slopes;
- e) walk, never run;
- f) for wheeled rotary machines, mow across the face of slopes, never up and down;
- g) exercise extreme caution when changing direction on slopes;
- h) do not mow excessively steep slopes;
- i) use extreme caution when reversing or pulling the lawnmower towards you;
- j) stop the blade(s) if the lawnmower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawnmower to and from the area to be mowed;
- k) never operate the lawnmower with

ORIGINAL INSTRUCTIONS

defective guards, or without safety devices, for example deflectors and/or grass catchers, in place;

l) do not change the engine governor settings or overspeed the engine;

m) disengage all blade and drive clutches before starting the engine;

n) start the engine or switch on the motor carefully according to instructions and with feet well away from the blade(s);

o) do not tilt the lawnmower when starting the engine or switching on the motor, except if the lawnmower has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator;

p) do not start the engine when standing in front of the discharge chute;

q) do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times;

r) never pick up or carry a lawnmower while the engine is running;

s) stop the engine and disconnect the spark plug wire, make sure that all moving parts have come to a complete stop and, where a key is fitted remove the key;

- before clearing blockages or unclogging chute;

- before checking, cleaning or working on the lawnmower;

- after striking a foreign object. Inspect the lawnmower for damage and make repairs before restarting and operating the lawnmower;

- if lawnmower starts to vibrate abnormally (check immediately);

t) stop the engine and disconnect the spark plug wire, make sure that all moving parts have come to a complete stop and, where a key is fitted remove the key:

- whenever you leave the lawnmower;

- before refueling;

u) reduce the throttle setting during engine shut down and, if the engine is provided with a shut-off valve, turn the fuel off at the conclusion of mowing;

v) go slow when using a trailing seat.

condition;

b) never store the equipment with petrol in the tank inside a building where fumes can reach an open flame or spark;

c) allow the engine to cool before storing in any enclosure;

d) to reduce the fire hazard, keep the engine, silencer, battery compartment and petrol storage area free of grass, leaves, or excessive grease;

e) check the grass catcher frequently for wear or deterioration;

f) replace worn or damaged parts for safety;

g) if the fuel tank has to be drained, this should be done outdoors.

4 Maintenance and storage

a) keep all nuts, bolts and screws tight to be sure the equipment is in safe working

SYMBOLS



Read instruction handbook before operation this machine



Keep bystanders away.



Beware of sharp blades - remove spark plug lead before maintenance



Forbid smoking and firing



Appropriate ear, eye, and head protection must be worn.



Hot surfaces will burn fingers or palms

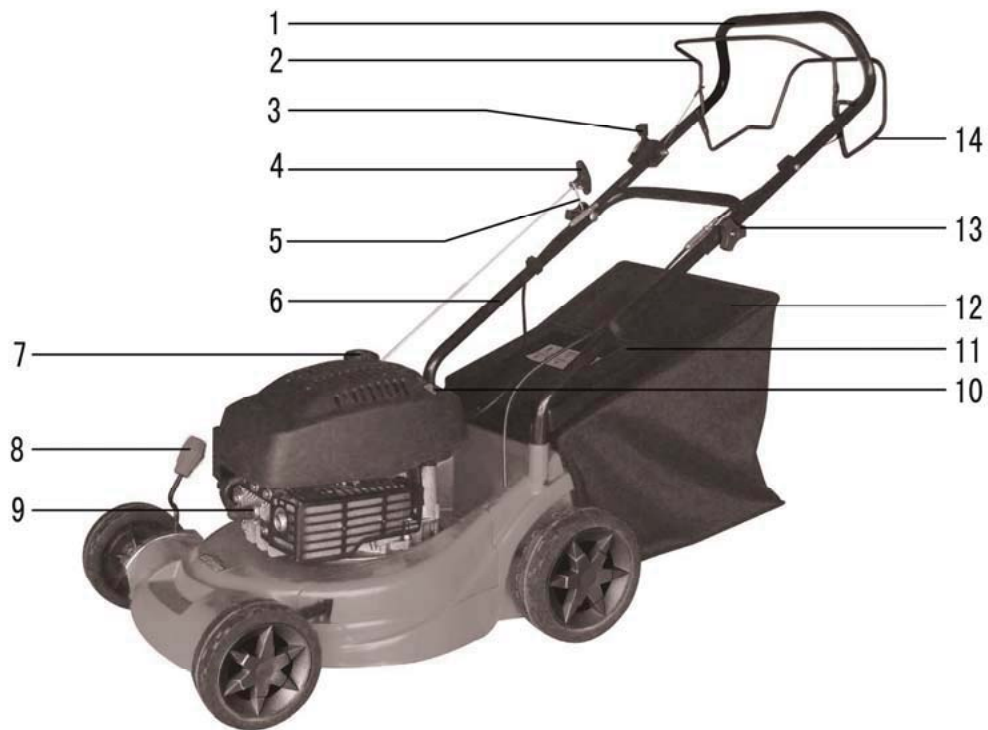


Warning! The lawnmower exhaust gas contain poisonous substances. Do not run the engine in closed or poorly ventilated areas.



Blade continues to rotate after the machine is switched off. Wait until all machine components have completely stopped before touching them.

ORIGINAL INSTRUCTIONS



Component list

1. Upper handle
2. Blade control lever
3. Throttle control lever
4. starting knob
5. Rope guider
6. lower handle
7. fuel tank cap
8. height adjustment knob
9. spark plug
10. oil dip stick
11. rear flap
12. grass collection bag
13. handle tension knob
14. self propel control lever

ORIGINAL INSTRUCTIONS

TECHNICAL SPECIFICATIONS

Engine displacement: 149.3cc

Engine max. power: 2.1kW

Engine speed: 2900rpm

Cutting width: 40cm

Grass bag capacity: 45L

Ignition: T.C.I

Fuel tank capacity : 0.8L

Oil tank capacity : 0.6L

Sound pressure level: 85dB(A)

Sound power level: 96 dB(A)

Vibration: 3.7m/s^2

Weight: 23kg

ACCESSORY

square neck bolt 2pcs

hexagon nut M8 2pcs

rope guider 1pc

self-tapping screw ST4.8 *16 2pcs

spark plug spanner & Philips screwdriver 1pc

grass collection bag 1pc

cable clip 2pcs

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.



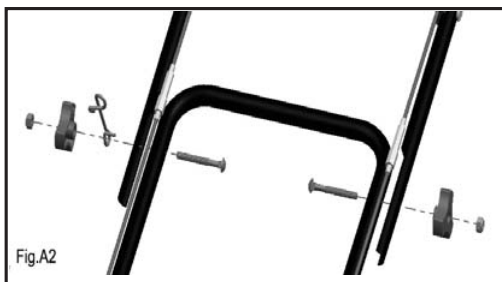
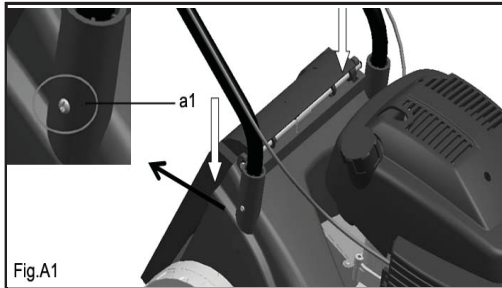
ORIGINAL INSTRUCTIONS

ASSEMBLY



WARNING! Two men are required to take the lawnmower out to carton. Make sure that you have sufficient space to put the lawn mower down. Keep your feet apart so that you have a stable position, bend at the knees and keep your back straight.

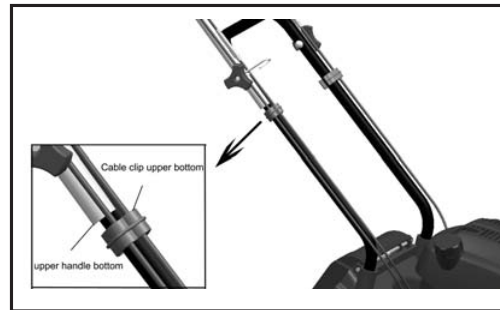
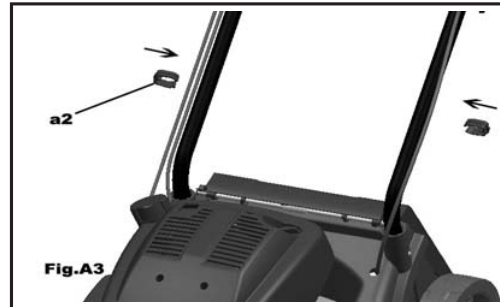
1. ASSEMBLY OF THE HANDLE (FIG. A1, A2)



- 1) Remove the packaging from the handle and the pan head screw from the lower handle.
- 2) Insert the lower handle into the deck as shown and fix it with a screw(A1).
- 3) Lift the upper handles, align it with the lower handle making sure the cables are not twisted, fasten them by using the bolts and handle tension knob included in carton box, in meanwhile, make sure the rope guider is on the right position.
- 4) Make sure the lower and upper handle are tightened firmly.

Ensure that the cable clips (A2) supplied are used to fix the cable to the Lower Handle. (Fig . A3) Attach the cable clips and make sure there is enough cable

slack. The right clip can fix two cables, the left one fixes a cable.



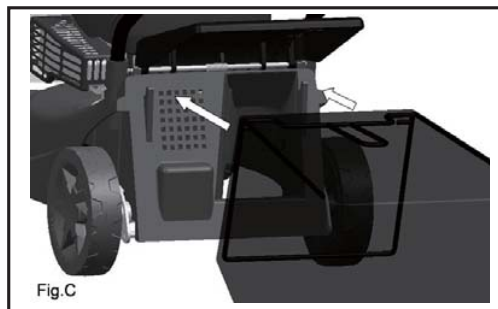
Ensure the distance of each cable clip and upper handle bottom is less than 3 cm.

2. INSTALL THE GRASS COLLECFTION BAG

Firstly assembly the grass bag to the frame by fixing all plastic hooks. Raise the safety flap, and hook the collection bag onto the mower as shown in Fig.C Release the safety flap.



NOTE: always fit the grass collection bag before start the engine.



ORIGINAL INSTRUCTIONS

OPERATION INSTRUCTION

1. BEFORE START THE ENGINE

CAUTION! The following procedures and adjustments must be performed before the engine is started. Do not attempt to make any of these adjustments while the engine is running.

2.OIL TYPE

Always use high quality detergent oil classified SAE30 oil. Never use additives with recommended oil.

To prolong the life of your engine it is important that the oil is changed after the first 5 hours of use.

3.FUEL TYPE

Always use clean, fresh unleaded petrol. Purchase fuel in quantities that can be used within 30 days. Never mix oil with petrol.

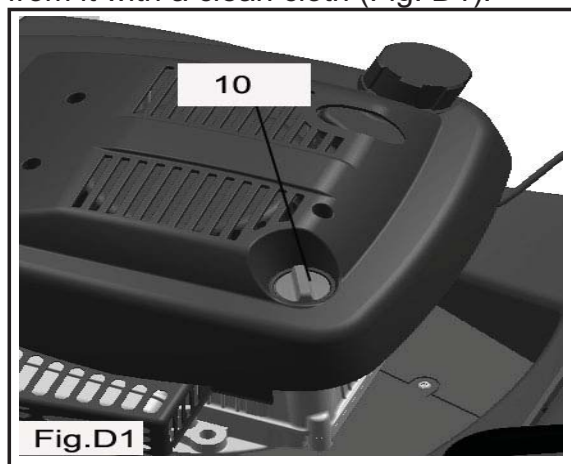
Fill to base of neck to allow for fuel expansion. Do not overfill the fuel tank.

4. FILLING WITH ENGINE OIL

Caution! To prevent engine damage the engine is shipped without oil or petrol. The engine must be filled with the correct grade of oil and petrol before starting the engine.

Check the engine oil level with the engine stopped and the mower on a level surface.

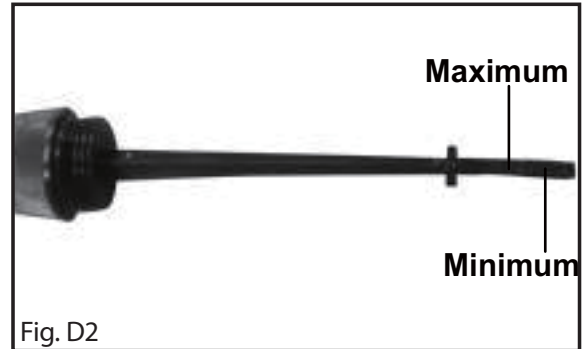
1) Remove the oil filler dipstick and wipe oil from it with a clean cloth (Fig. D1).



2) Insert the dipstick into the oil filler neck, but do not screw it in.

3) Check the oil level. The oil level must BE between the Min and Max marks on the dipstick (Fig. D2). If near the lower level, fill

to upper level with the recommended oil (SAE30). **Do not overfill.** Wipe away any spilt oil.



Note: running the engine with a low oil level will cause engine damage. Recommend use high detergent, premium quality 4-stroke engine oil. Use non-detergent oil can shorten the engine's service life and using 2-stroke oil will damage the engine.

5. FILLING WITH FUEL

Warning! Petrol is highly inflammable and extreme precaution must be taken when handling or working with it. Keep out of reach of children.

- 1) Clean the area around the petrol filler cap before removing the cap. Remove the warning label, check the fuel level.
- 2) Refill the tank if the fuel level is low. Refuel carefully to avoid overfilling or spilling fuel. There should be no fuel in the filler neck.
- 3) Clean up any overflow or splash of petrol before starting the engine.
- 4) Tighten the filler cap securely after filling.

Refuel in a well-ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where the engine is refueled or where petrol is stored. Avoid repeated or prolonged contact with skin or breathing of vapor.







Note: petrol should be stored in a approved container. Never buy or store more than 30days supply of petrol. Do not mix oil with petrol.

ORIGINAL INSTRUCTIONS

6. STARTING THE ENGINE

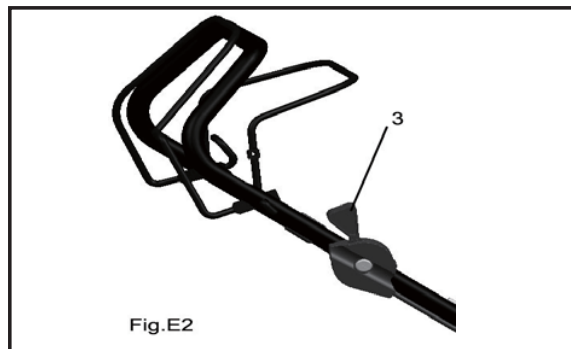
Warning! Do not operate the machine in a closed or poorly ventilated areas as the exhaust gas contain poisonous substance. Keep hands, feet, hair and clothing away from all the moving parts of the machine. The exhaust and other parts of the machine will become hot during use. Make sure that the blade is securely fastened before starting the engine.

NOTE: To start the engine, make sure that the spark plug cap is located on the spark plug and the machine is filled with sufficient oil and petrol.

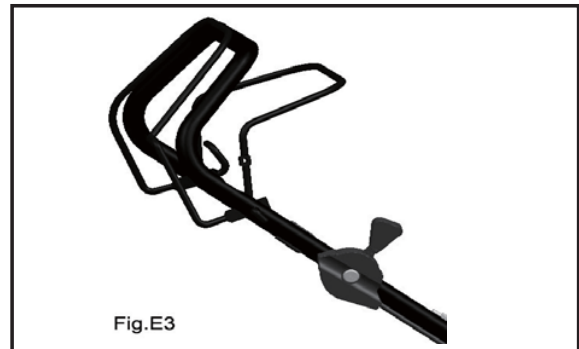
THROTTLE-LEVER CHOCK	BLADE CONTROL -LEVER CLOSED	PULL STARTING _KNOB
1 	2 	3 
ENGINE WARMING	THROTTLE LEVER _HIGH SPEED(Rabbit)	SELF PROPEL CONT -ROL LEVER CLOSED
4 	5 	6 

Step1: Throttle lever-STARTING

For start a cold engine, move the throttle lever to the Choke position (Fig. E2).

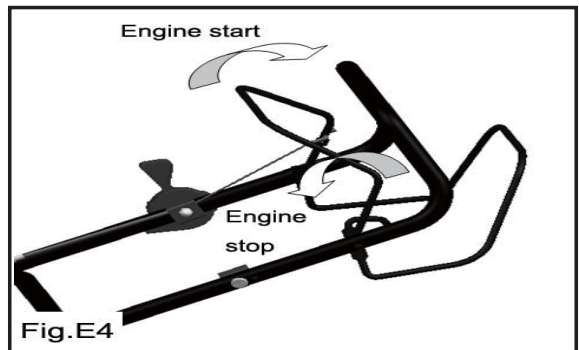


For start a warm engine, move the throttle level to the Rabbit position (Fig. E3).



Step2: Blade Control Lever

Lift the blade control lever towards the upper handle (Fig.E4).



Step3: Pull cord handle(Fig.E5)

Slowly but firmly pull the starting knob (4) and rope out until you feel resistance. Let the rope recoil, then pull briskly. If the engine fails to start after 2-5 pulls, repeat the start process. When the engine starts, return the starter rope gently.



Step4: Throttle lever-RUN

Allow the engine to run for approximately 30 seconds. Then, move the throttle level to the position Rabbit position (Fig. E3).

ORIGINAL INSTRUCTIONS

Clear a flooded engine


If the engine won't start after you operated the starter several times, the engine may be flooded with excess fuel. Use following procedure to clear and start a flooded engine.

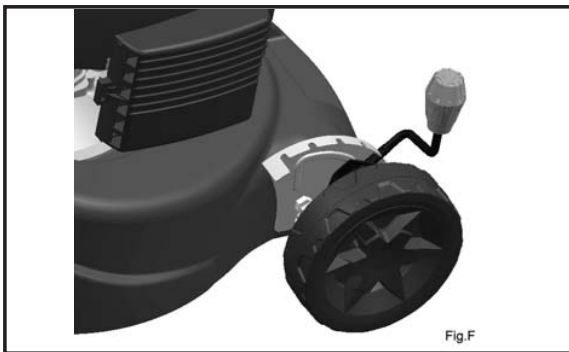
- 1) Release the starting bail arm lever.
- 2) Remove the spark plug, dry it, then reinstall it.
Note: install the spark plug carefully by hand, to avoid cross-threading. After the plug is seated, tighten 1/8 to 1/4 turn with spark plug spanner of spark plug to compress the washer.
- 3) Move the starting bail arm lever towards the upper handle. Move the throttle lever to CHOKE position.
- 4) Operate the starter as described above.

7. STOPPING THE ENGINE

Release the starting bail arm lever. The engine and blade will stop. (Fig.E4)

8. ADJUSTING THE CUTTING HEIGHT (FIG.F)

 **Warning:** the blade can cause serious injury. Before adjusting the mower height, stop the engine and wait for the mower to completely stop.



The lawn mower has one height adjustment. Before first cut, check the cutting height, and adjust to the desired position. The mower can be set to one of five cutting heights, between 25 mm and 75 mm. To adjust the cutting height, pull the height of cut lever outwards, at the same time rotate it until required height is selected.

9. MOWING



Always observe the strictest safety procedures when using the lawnmower.

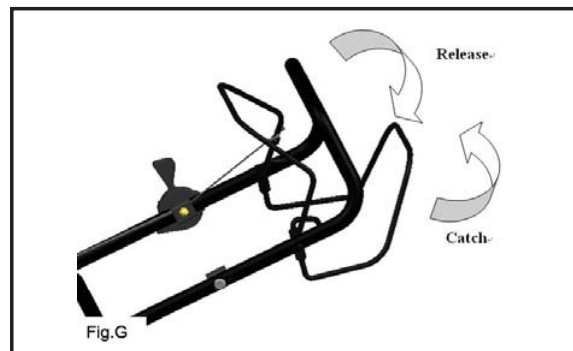
Carefully read the safety instructions of this manual before using the lawnmower.

Start the engine and allow it run .See "Starting the engine"

To stop the engine, release the blade control lever (Fig. E4).

For self-propelled lawnmower:

Lift the self-propelled bar to the upper handle (Fig.G), the mower will move by itself. If release the self-propelled, it will stop moving by itself and the self-propelled lawnmower will be the same as the hand push lawnmower. Hold the starting bail arm lever with the self-propelled bar for self-propelled mowing in open areas. When mowing around trees or other obstacles, release the self-propelled bar, while holding the starting bail arm lever forward, push the mower for the better direction control.



Keep a firm grip on the upper handle and walk, never run with the mower, be very careful when mowing uneven or rough ground. Mow across slopes, never up and down. Be careful when changing the direction of the mower on a slope. Do not use the mower on a steep slope of more than 20°.


The best result will be achieved if the grass is dry. Wet grass will tend to clog the blade and the grass collection system. Grass grows at different rates at different time of the year.

ORIGINAL INSTRUCTIONS

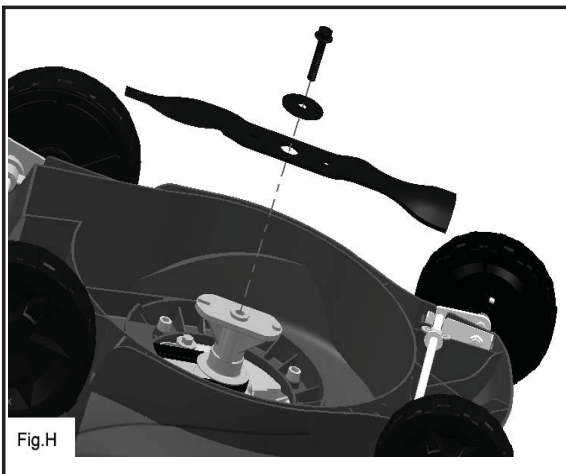
Never use the lowest cutting height for the first cut of the season or in drought conditions. Only about one thirds of the grass height should be cut.

If the lawnmower will not collect the cuttings efficiently, the grass discharge chute may be blocked. The grass bag may be full, or the underside of the mower deck may be clogged.

10. EMPTYING THE GRASS BAG

 **Important!** Before you remove the grass collection bag, stop the engine and wait the blade stops completely.


- 1). To remove the grass collection bag, raise the discharge flap with one hand and remove the grass bag using its handle with your other hand.
- 2). To maintain safety, the discharge flap will close back to cover the rear discharge chute, when you release the flap.
- 3). Empty the grass debris in the grass collection bag, and refit grass collection bag.
- 4). If any grass residues are caught in the discharge chute, clean it using a brush.
- 5). Do not remove grass debris in the mower casing or on the blade by hand or with your feet. Instead use suitable tools such as a brush or broom.
- 6). To ensure that the cut grass can be collected into grass collection bag, the discharge opening and inside the mower casing must be cleared of any blockage. Always empty the grass bag when you have finished the mowing, even if it is not full. Stored grass residues are a fire hazard.



11. REPLACING THE BLADE (SEE FIG. H)

Maintain the sharpness of the blade when cutting grass. If the blade has worn excessively and become pitted and blunt, it should be replaced or sharpened. The sharpness of the blade will affect the performance of the lawnmower.

For safety reasons we recommend that the blade will only be changed by persons qualified and authorized to do so.

 **WARNING!** before replacing the blade, ensure that the engine is switched off and the spark plug cap is disconnected and moved away from the spark plug.

- 1) You will need garden gloves (not provided) and a spanner wrench to remove the blade.
- 2) Hold the blade and unscrew the blade bolt counterclockwise using a spanner wrench. Remove the washer and the blade.
- 3) Fit a new blade or re-sharpen the blade, locate the blade on the two studs on the blade flange and then replace the washer and bolts. Make sure the blade is correctly located, then firmly tighten the bolt. Do not over tighten.

The up turn of the blade must project into the motor compartment.

Always handle the blade with care-sharp edges could cause injury **USE GLOVES**. Renew your metal blade after 50Hrs mowing or 2yrs which ever is sooner regardless of condition.

If the blade is cracked or damaged replace it with a new one.

MAINTENANCE

1. CLEANING

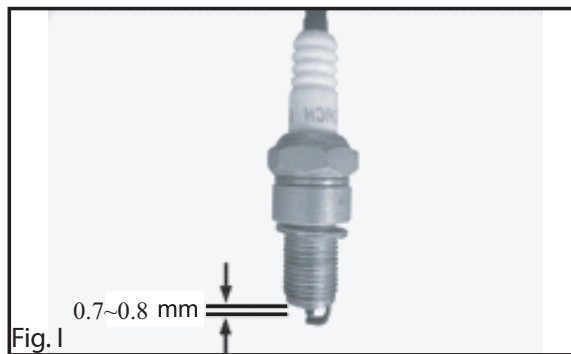
To ensure the best performance of your lawnmower, it is important to keep it clean. Always clean your lawnmower immediately after use. Do not allow grass cuttings and other debris to become dry and hard on any of the mower surface. This will directly affect the cutting and grass collection performance. Make sure that the underside of the lawnmower deck is clean and clear.

ORIGINAL INSTRUCTIONS

Ensure the discharge chute and grass discharge flap are clean. The grass bag must always be emptied after use. Make sure that the exterior of the engine is clear of all debris, cuttings and dirt.

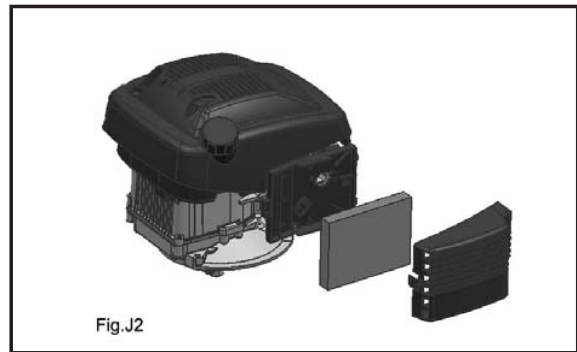
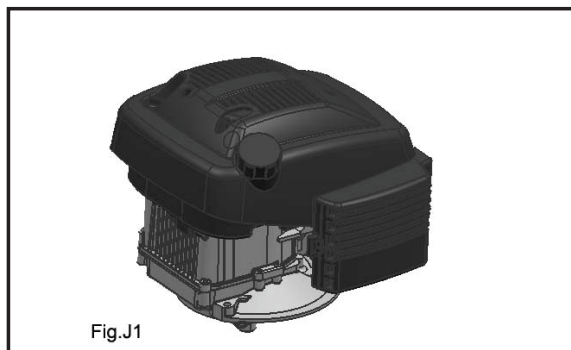
Maintenance schedule			
	12 hours of use	24hours of use	36hours of use
Air filter	Clean	clean	replace
Spark plug	check	Clean	replace
Engine oil	check	replace	Check

2. SPARK PLUG (FIG.I)



- 1) Once the engine has cooled, remove the spark plug using the socket spanner supplied.
- 2) Clean the plug with a wire brush.
- 3) Using a feeler gauge, set the gap to 0.7~0.8 mm.
- 4) Install the spark plug carefully by hand, to avoid cross-threading.
- 5) After the spark plug is seated, tighten with spanner to compress the washer.

3. AIR FILTER (FIG.J1&J2)



Unclip the air filter cover and remove the sponge filter element. To avoid objects falling into the air tank, replace the air filter cover. Wash the filter element in warm soap water, rinse and allow to dry naturally.



Warning! Never run the engine without the air filter element installed.

4. CHANGING THE OIL

Tilt the lawnmower towards the oil filler, have a container ready to catch the oil and remove the dipstick. Once the oil has been emptied, replace the dipstick and wipe clean any spillages.

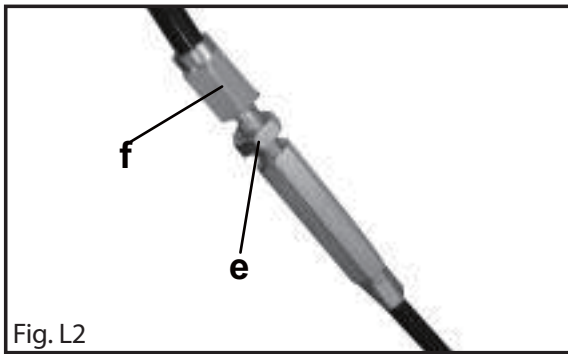
Refill of SAE30 oil. When the dipstick is rested on the filler pipe (i.e. not screwed in place), the oil level must be between the **min** and **max** marks on the dipstick. See **"Filling with Engine Oil"**. **Do not overfill.** Start the engine and allow it run briefly. Stop the engine, wait one minute and check the oil level. Top up if necessary.

5. ADJUSTING THE SELF PROPELLED ROPE (FIG L1&L2)

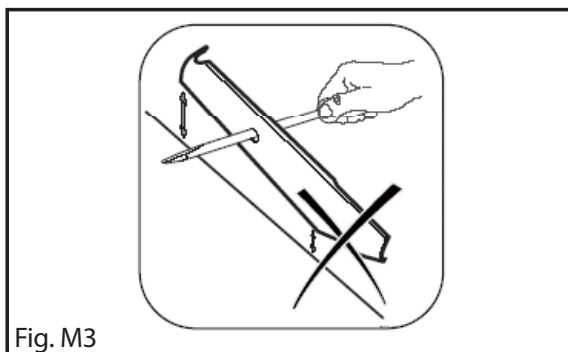
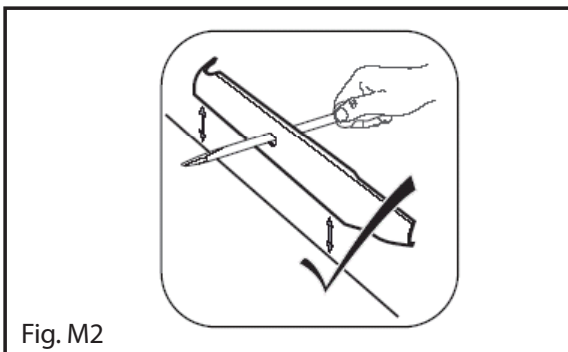
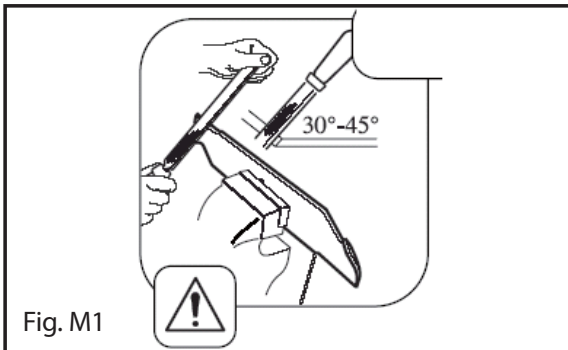
- 1) To make the adjustment, slacken off the lock nut (e) and lighten the adjusting bolt (f) a few turns (clockwise) (Fig. L2).
- 2) Re-tighten the lock nut.



ORIGINAL INSTRUCTIONS



6. BLADE SHARPENING (FIG M1&M2&M3)



A slightly worn blade may be resharpened. Both blade edges must be sharpened equally to ensure balance. Sharpen the blade every 25 mowing hours or more frequently if conditions require. Remove the blade from the mower and clean using a brush and water. Inspect the blade for signs of damage. Sharpen both cutting edges with a flat file to restore performance.

Ensure that the blade is balanced. Use a screw driver with a round shaft to support the blade through its centre hole. Hold the blade horizontal and then release. A balanced blade will remain horizontal.

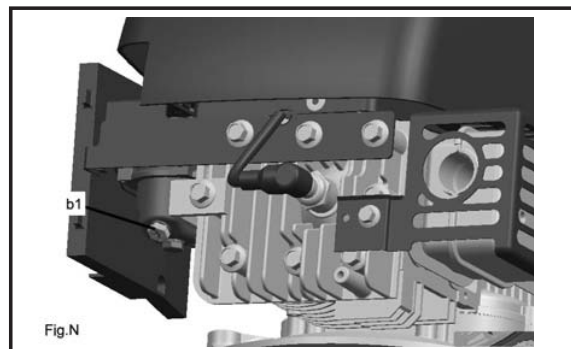
If the blade is not balanced the heavy end will rotate downwards. Sharpen the heavy end until the blade is correctly balanced.

7. STORAGE



Caution! Petrol left in the fuel tank over the winter period will become state and the engine will not start.

For long term storage and at the end of the season, the petrol tank should be drained, with the engine running, switch off the petrol tap and wait until the engine stops. Ensure that the engine is cold before draining the tank. Allow the petrol to drain into an appropriate container. Do not store petrol for long periods of time. Dispose of excess petrol in an environmentally safe way. Your local recycling centre can advise you on the best method of disposal. Make sure the lawnmower has been thoroughly cleaned before storing it in a clean dry place.



ORIGINAL INSTRUCTIONS

TROUBLE SHOOTING

PROBLEM	POSSIBLE FAULT	REMEDY
Engine will not turn over	Engine blade control lever released.	Operate engine blade control lever
	Incorrect oil level.	Check oil level.
	Obstruction under deck.	Remove obstruction.
Engine smokes	Excess oil level.	Check oil level.
	Air cleaner cartridge oil soaked or blocked.	Service air cleaner.
Engine runs then stops	Fuel starvation.	Fill fuel tank.
	Fuel cap vent blocked. Petrol tap closed	Clean fuel cap vent. Check petrol tap position
Engine will not start	Engine under load.	Raise height of cut.
	Fuel starvation.	Fill fuel tank.
	Incorrect/contaminated fuel.	Drain fuel tank and fill with correct fuel.
	Spark plug lead disconnected.	Connect spark plug lead.
	Faulty spark plug.	Clean and adjust gap or replace.
Engine runs rough	Spark plug lead becoming disconnected in use.	Connect spark plug lead. disconnected in use.
	Faulty spark plug.	Clean and adjust gap or replace.
	Air cleaner blocked.	Service air cleaner.
	Incorrect/contaminated fuel.	Drain tank and fill with correct fuel.
Engine vibrates excessively	Mounting bolts loose.	Tighten bolts
	Blade bolt loose.	Tighten bolt
	Blade out of balance.	Balance blade
	Bent crankshaft.	Consult your dealer

ORIGINAL INSTRUCTIONS

Uneven cut	Undulating ground conditions	Change direction of travel
	Blade worn	Sharpen the blade
	Blade out of balance	Balance the blade
	Wheels / roller damaged	Inspect and replace as necessary
Discharge chute blocks	Grass is wet	Mow dry grass
	Cut height too low	Increase cut height
	Grass bag full	Empty grass bag
	Airflow through the grass bag is restricted	Clean the grass bag
	Engine speed too slow	Airflow through the grass bag is restricted
Mower is hard to push	Cut height too low	Increase cut height
	Wheels / roller damaged	Inspect and replace as necessary
Mower will not self propel (Autodrive Only)	Clutch out of adjustment	Adjust clutch cable
	Drive belt damaged	Replace drive belt
Poor grass collection	Airflow through the grass bag is restricted	Clean the grass bag
	Discharge chute blocked	Remove blockage
	Wet grass	Mow dry grass
	Grass bag full	Empty grass bag
	Engine speed too slow	Set throttle to fast position

If faults can not be remedied, contact the Helpline on

GUARANTEE

This product is selected for DOMESTIC USE ONLY and not for business use. This product is guaranteed against manufacturing defects for a period of 12 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please return it to your nearest Argos store. If the item is shown to have an inherent defect present at the time of sale, the store will provide you with a replacement. Your statutory rights remain unaffected.
Guarantor: Argos, MK9 2NW

Issue 2 S.P 21/10/2010