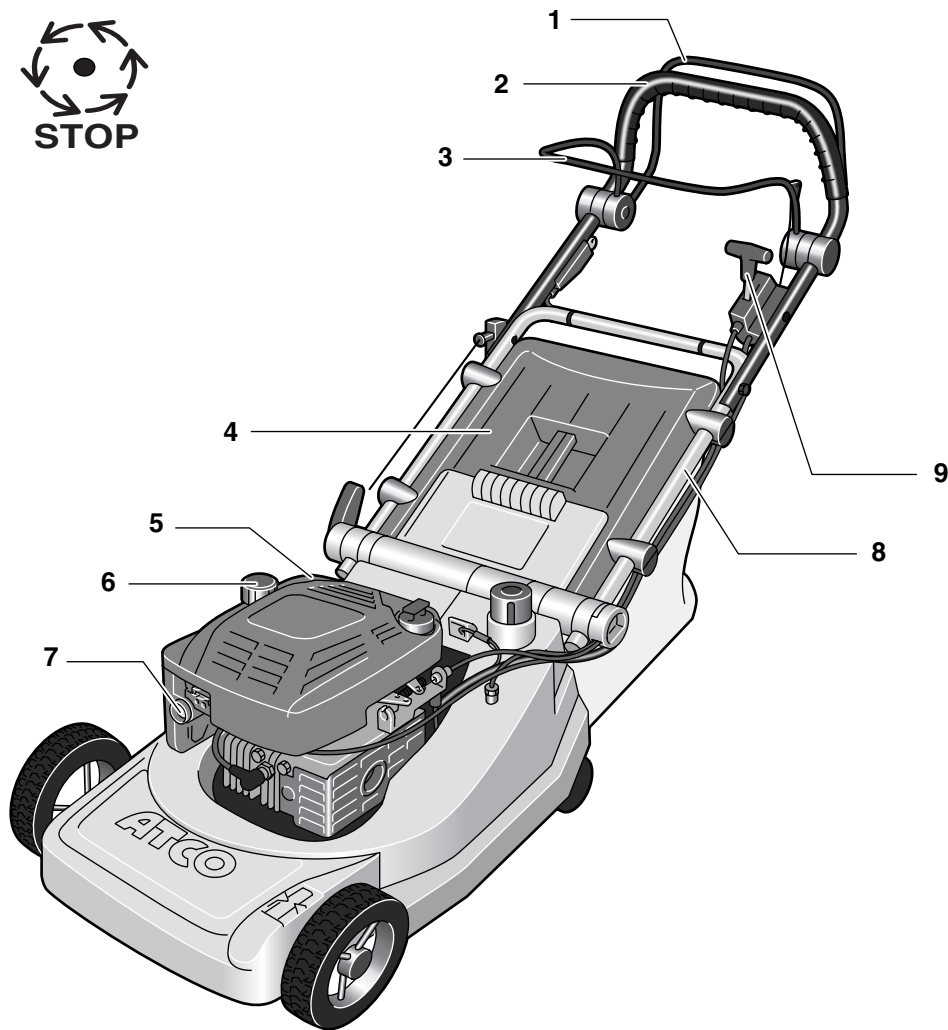


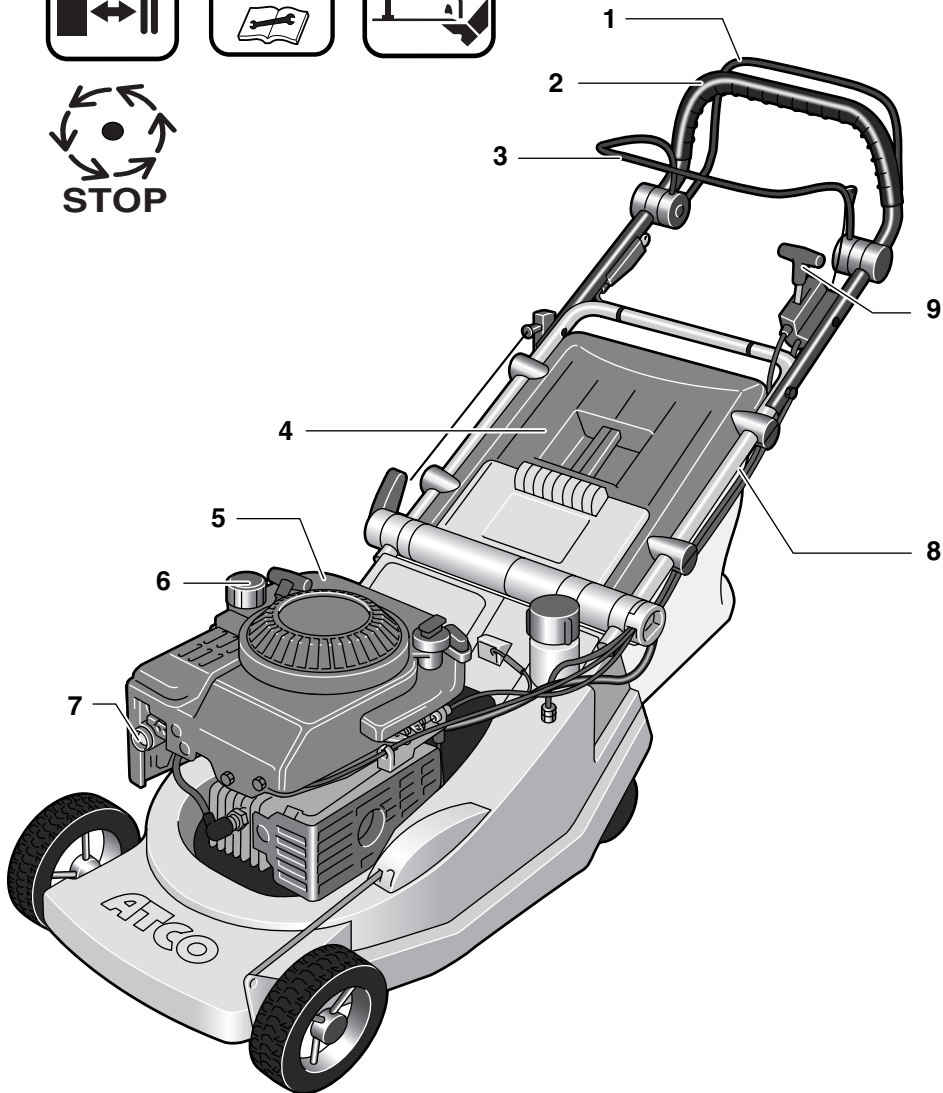
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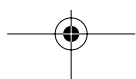
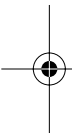
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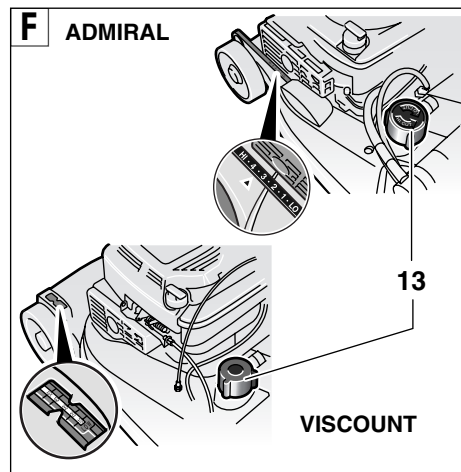
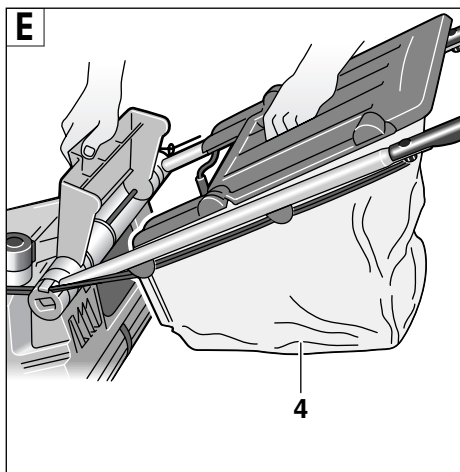
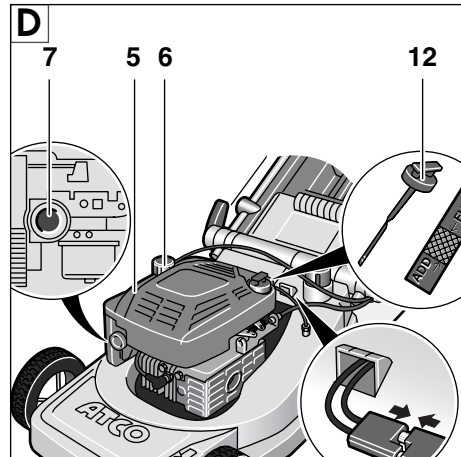
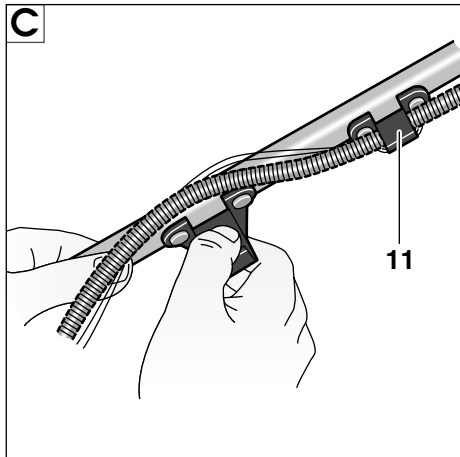
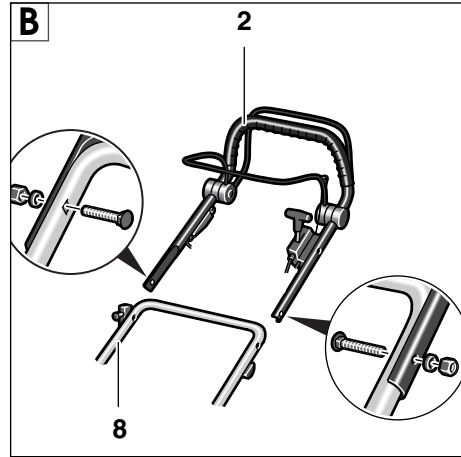
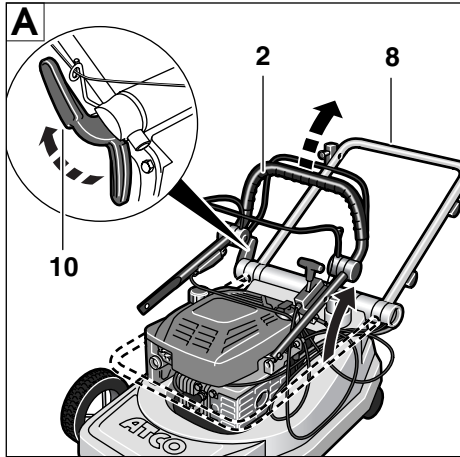


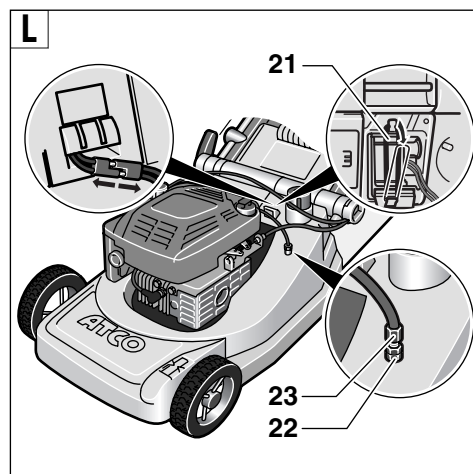
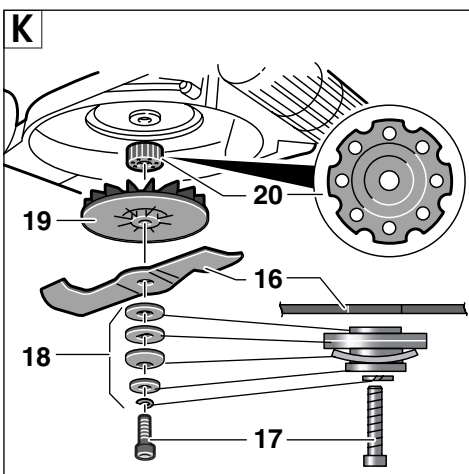
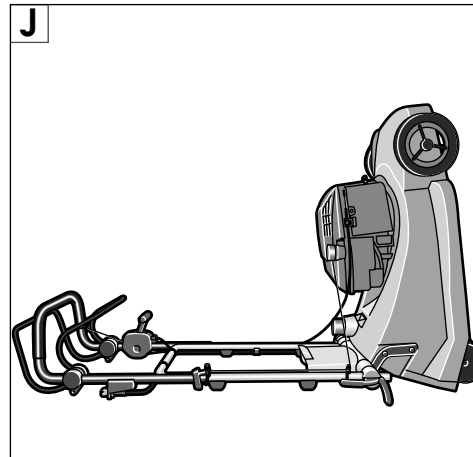
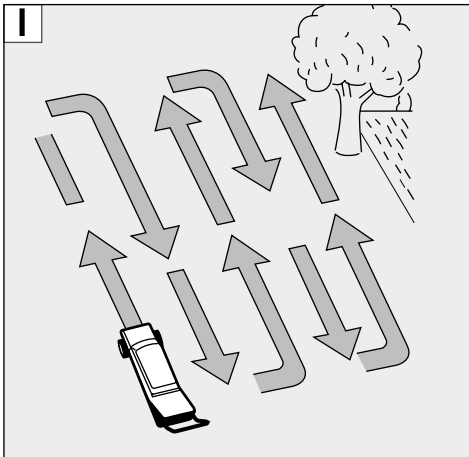
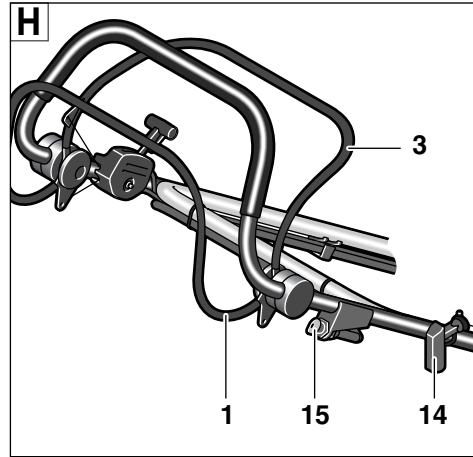
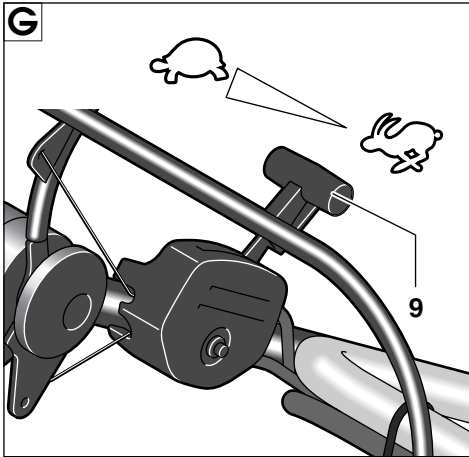
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





Safety Notes

Warning! Read these instructions carefully, be familiar with the controls and the proper use of the lawnmower.

Learn how to stop the lawnmower quickly in any emergency.

Explanation of symbols on the lawnmower

-  General hazard safety alert.
-  Read instruction manual.
-  Beware of thrown or flying objects to bystanders.
-  Keep bystanders a safe distance away from the machine.
-  Remove spark plug lead before maintenance.
-  Sharp blade(s). Beware of severing toes or fingers.
-  Wait until all machine components have completely stopped before touching them. The blades continue to rotate after the machine is switched off, a rotating blade can cause injury.

Never allow children or people unfamiliar with these instructions to use the lawnmower. Local regulations may restrict the age of the operator.

Never mow while people, especially children or pets, are nearby.

Never pick up or carry the lawnmower while the motor is running.

Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

Whilst mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.

Thoroughly inspect the area where the lawnmower is to be used and remove all objects that may be thrown by the machine.

WARNING – Petrol is highly flammable.

- Store fuel in containers specifically designed for this purpose.
- Refuel outdoors only and do not smoke while refuelling.
- Add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol whilst 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 the fuel tank and container caps securely.
- Replace faulty silencers.
- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. On multi-bladed lawnmower, take care as rotating one blade cause other blades to rotate.

Mow only in daylight or in good artificial light.

Avoid operating the lawnmower in wet grass, where feasible.

Always be sure of your footing on slopes.

Walk, never run.

Mowing on banks can be dangerous:

- Mow across the face of slopes - never up and down.
- Be particularly careful of your footing on slopes or wet grass.

Exercise extreme caution when changing direction on slopes.

Do not mow excessively steep slopes.

- Use extreme caution when stepping back or pulling the lawnmower towards you. Never cut grass by pulling the mower towards you.

Stop the blades 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.

Do not tilt the lawnmower when starting or switching on the motor, except if the lawnmower has to be tilted for starting in long grass. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator. Always ensure that both hands are in the operating position before returning the mower to the ground.

Never operate the lawnmower with defective guards, or without the grassbox in place.

Do not change the engine governor settings or overspeed the engine. Operating an engine at excessive speed may increase the hazard of personal injury.

Disengage all blade and clutches before starting the engine.

Start the engine or switch on the motor carefully according to instructions and with feet well away from the blade(s). Do not tilt the mower when starting.

Do not put hands or feet near, or under, rotating parts while the lawnmower is being operated.

Stop the engine and disconnect the spark plug wire:

- 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 the lawnmower starts to vibrate abnormally (check immediately).
- before making height of cut adjustment

Stop the engine:

- whenever you leave the machine
- before refuelling
- before clearing blockages
- before making height of cut adjustment

Reduce the throttle setting during engine shut-down.

Keep all nuts, bolts and screws tight to be sure that the lawnmower is in safe working condition.

Replace worn or damaged blades and bolts in sets to preserve balance.

Never store the lawnmower with petrol in the tank inside a building where fumes may reach open flame or spark.

Allow the engine to cool before storing in any enclosure.

To reduce the fire hazard, keep the engine, silencer, battery compartment and petrol storage area free of grass, leaves or excessive grease.

Check the grassbox/bag frequently for wear or deterioration.

Replace worn or damaged parts for safety.

If the fuel tank has been drained, this should be done outdoors.

Be careful during adjustment of the lawnmower to prevent entrapment of the feet and hands between moving blades and fixed parts of the lawnmower.

Ensure replacement parts fitted are Atco-Qualcast approved.



Product Specification

Cylinder Mower	Admiral 16	Admiral 16 S	Admiral 16 SE	Viscount 19 S	Viscount 19 SE
Part number	F016 509 0..	F016 509 1..	F016 509 2..	F016 510 0..	F016 510 1..
Engine size (cm ³)	190	190	190	190	190
Fuel Tank capacity (l)	1.5	1.5	1.5	1.5	1.5
Rated power (kW)	2.98 (4.0 Hp)	2.98 (4.0 Hp)	2.98 (4.0 Hp)	2.98 (4.0 Hp)	2.98 (4.0 Hp)
Blade width (cm)	40	40	40	48	48
Height of cut (mm)	10–60	10–60	10–60	10–63	10–63
Grassbox capacity (l)	43	43	43	60	60
Weight (kg)	25	27	30	33	36
Max overall width (cm)	47	47	47	54	54
Serial Number	See rating details on machine				

Intended Use

This product is intended for domestic lawn mowing.

Introduction

This manual gives instructions on the correct assembly and safe use of your machine. It is important that you read these instructions carefully.

When fully assembled the machine weighs between approximately 25–36 kg. If necessary, obtain assistance to remove from packaging.

Take care when transporting the mower to the lawn, as the blades are sharp.

Delivered Items

Carefully remove the machine from its packaging and check that you have all the following items:

- Lawnmower with handle assembly
- Operating instructions
- Parts list
- Machine registration card
- Engine Maintenance manual
- Allen key
- Handle fixings
- Grassbox
- Spanner

When parts are missing or damaged, please contact your dealer.

Operating Controls

- 1 Drive control lever („S“ - self propped models only)
- 2 Handle top
- 3 Engine control lever
- 4 Grassbox
- 5 Petrol tank
- 6 Petrol filler cap
- 7 Primer button
- 8 Handle bottom
- 9 Throttle lever

Not all of the accessories illustrated or described are included as standard delivery.

Assembly

A Handles

Unfold the handle bottom **8** and secure with the handle clamping lever **10**. Make sure the cables do not become trapped between the handles.

B Attach the handle top **2** with the bolts and nuts to the handle bottom **8**.

C Use cable clips **11** to attach cables to bottom handle **8**.

D Petrol

Petrol deteriorates over time. Engine starting may be difficult if you use petrol kept for more than 30 days. Always run the fuel tank dry when storing over 30 days.

1. Remove the petrol filler cap **6**, add unleaded petrol to the tank **5**, leaving approximately 6 mm of tank space for fuel expansion.
2. Replace the petrol filler cap **6**.
3. Wipe up any spill petrol from the engine before starting the mower.

D Engine Oil

The mower is not supplied with oil in the engine, however it is possible that there is a small quantity in the engine. It is essential to fill with oil before starting the engine it avoids damage to your engine. It is important to use the recommended oil to avoid damage to your engine.

1. With the mower standing on level ground, unscrew and remove the oil filler dip stick **12**.
2. Wipe the oil filler dip stick **12** clean; refit and tighten the oil filler dip stick **12**, then remove it again. Check the oil level.
3. Add a good-quality SAE 30 API SF in small quantities at a time, allowing it to settle. Repeatedly add oil and check the level until it reaches the dip stick **12**. The engine may require up to 0.6 litres of oil.
4. Refit the oil fill dip stick **12**.

E Grassbox/bag

Attach/remove the grassbox **4**.


F Height of cut adjustment

Your mower has an infinitely adjustable height of cut between 10–60 mm (admiral) and 13–63 (viscount). The height of cut is adjusted by turning the knob **13** at the left hand rear of the machine.

Using Your mower


Starting and Stopping

D G H


1. Move the throttle lever **9** to position .
2. If the engine is cold, press the primer **7** three times (five times in cold weather). If the engine is warm do not prime.
3. Hold the engine control lever **3** against the handle **2**.
4. Pull the starter cord **14** briskly one or more times until the engine starts. Allow the cord to return slowly after each pull.

D G H



Electric start models:

1. Move the throttle lever **9** to position .
2. If the engine is cold, press the primer **7** three times (five times in cold weather). If the engine is warm do not prime.
3. Hold the engine control lever **3** against the handle **2**.
4. Turn the key **15** clockwise to start. If the engine doesn't start after three attempts use the recoil cord handle and charge the battery (see maintenance and also fault finding sections).

Stopping

G H Move the throttle lever **9** to position  and release the engine control lever **3**. The engine will stop within 3 seconds.

G H To drive the Rear Roller (Self-propelled models only)

1. Start the mower (see above).
2. Squeeze the drive control lever **1** towards the top handle **2**. Adjust the speed as required by moving the throttle control **9**  between .
3. To stop the drive, release the drive control lever **3**.

Mowing

Before mowing, check the engine oil level and fill the petrol tank.

Toward the end of season, it is advisable to put only as much fuel in the tank as you need for each cut, since it should be completely used before storing the mower.

1 For best results, place the lawnmower on the edge of lawn, mow in a forward direction. Then at right angles at the end of each turn, slightly overlapping the previously cut strip.

The next time you mow the lawn, try to work at right angles to the previous cut as this will help prevent unevenness in the surface soil which can build up if you always mow in the same direction.

Maintenance



Stop and remove spark plug cap.

Note: To ensure long and reliable service, carry out the following maintenance regularly.

Regularly check for obvious defects such as a loose, dislodged or damaged blade, loose fixings, and worn or damaged components.

Check that covers and guards are undamaged and correctly fitted. Carry out necessary maintenance or repairs before using.

Clean the exterior of the machine thoroughly using a soft brush and cloth. Do not use water, solvents or polishes. Remove all debris, especially from the air filter and engine fins.

If the mower should happen to fail despite the care taken in manufacture and testing, repair should be carried out by an authorised customer service agent for Atco garden products.

For all correspondence and spare parts orders, always include the 10-digit part number from the nameplate of the machine!

A | J Under-deck Access



Disconnect spark plug cap - Oil and/or petrol spillage and hard starting may occur unless the following procedure is used when access is required to the underside of the machine.

1. Ensure that the petrol tank is empty or nearly empty.
2. Release the locking handle **10** and lower the handle to rest on the floor.
3. Raise and hold the deflector guard.
4. Lift the front of the mower until it comes to rest in an upright position.

Blade Maintenance

K

Stand the mower upright (see under-deck access) and inspect the blade and fan; if blunt or damaged, replace.

Use the following procedure to remove and replace the blade.

- Hold the blade **16** using gardening gloves (not provided) use the allen key provided to remove the blade bolt **17**, blade **16** and items **18**. Before fitting the new blade, ensure that the fan **19** is fitted correctly on the blade adaptor **20**. It will fit in only one position.

- Fit the blade **16**, blade bolt **17** and items **18** in the correct order. Ensure that the blade **16** is the correct way up (so that this symbol AQ can be seen located) and tighten the blade bolt firmly.

L Charge battery (electric start models only)

The battery is trickle charged continuously when the mower is running, however it will require charging before initial use, once a month during the mowing season and once during winter storage. Use the battery charger supplied as follows:

1. Remove the battery **21**.
2. Connect the battery to the charger.
3. Connect the charger to a 230 V 50 Hz mains supply. Switch on and charge for between 16 – 24 hours. If necessary the battery can be left on charge for up to 72 hours. Any longer may damage the battery. The charger must not be used outdoors.
4. Switch off the mains supply before disconnecting the battery charger or battery.

Refit the battery **21**.

Adjusting Drive Cable

L If the mower doesn't drive adequately it may be necessary to adjust the drive cable as follows:

- Slacken nut **22**, turn adjuster **23** a few turns anti-clockwise.
- Retighten nut **22**.

When correctly adjusted, drive to the rear roller is engaged when the land drive bale bar **1** is squeezed against the handle top **2** or disengaged when released.

Engine Maintenance

Changing the oil:

Change the oil after the first 2 hours of use. The oil should then be changed every 25 hours or at the end of each season before storage, whichever is sooner.

Note: It is important that you use the recommended oil to avoid damage to your engine.

Cleaning Air filter (See engine manual for details).

General maintenance and Adjustments (See engine manual for details).

Accessories

SAE Oil

F016 S10 288



Winter Storage/Storage over 30 day

Regular maintenance at the recommended service intervals, replacing worn or damaged parts as necessary and having the mower serviced by an ATCO Approved Service Agent before winter storage will maximize the life and reliability of the mower. Observe the following before storage:

1. Clean the mower down thoroughly. Remove any grass debris especially around the engine cooling fins (also see engine manual) and the brake shoe.
2. Check that all nuts and bolts are tight.
3. Drain off any fuel in the petrol tank by:
 - Removing the pipe from the carburettor and emptying the fuel into a can.
 - Run the engine for a few minutes until the engine stops.
 - Remove the carburettor bowl by removing nut, and drain off any fuel in the carburettor. This will prevent gum (fuel deposits) forming on essential carburettor parts.
4. Change the oil and clean the air filter. (Winter storage only. See engine manual for details).

Fault Finding

The following table gives checks and actions that you can perform if your machine does not operate correctly. If these do not identify/remedy the problem, contact your service agent.

Warning: Switch off, remove spark plug cap before investigating fault.

Symptom	Possible Cause	Remedy
Engine will not start	Engine is flooded Spark plug lead not connected Spark plug dirty	Leave for 10 – 15 minutes Reconnect See engine maintenance manual
Engine stops	No petrol Engine speed too low for conditions Blade obstructed	Refill tank Move throttle Turn off engine and clear obstruction
Engine does not stop	Brake cable not correctly adjusted	Stop engine by removing spark plug lead and contact an ATCO Approved Service Agent
Mower leaves poor finish	Height of cut too low cutting blade blunt underside of machine badly clogged cutting blade upside down	Increase height of cut replace blade clean mower refit blade correctly
Land drive does not engage	Incorrect adjustment/cable damaged	Adjust cable



Guarantee

Atco guarantees this product against manufacturing defects. We will repair (or replace at our option) if a manufacturing defect occurs within the guarantee period as long as it has not been subjected to rental/hire use. The engine fitted to this mower is covered by the engine manufacturer. See engine manual for details.

The guarantee period for domestic use is 3 year for parts (2 years engine see engine manual for details) and 2 years for labour costs from date of purchase.

For the purpose of this guarantee:

Non-domestic use means all other uses including, commercial, income producing, but excluding rental/hire use.

To obtain a repair under this guarantee:

- Take your lawnmower to a Atco Approved Service Agent.
- Show your dated proof of purchase.
- Show the guarantee page.

This guarantee does not apply if:

- the product has been resold by original purchaser (this does not apply in the Republic of Ireland), or has been used under hire.
- the product has been modified to change the manufacturer's specification, or if non-genuine spares have been fitted.
- if any previous repair was undertaken by anyone other than an Atco Approved Service Agent.
- the fault is due to maladjustment, abuse, neglect or accidental damage.
- the fault is due to lack of lubrication or maintenance.

Failure is due to normal wear. The following parts are considered as wearing parts. Their life is dependant on regular servicing and they are not therefore, normally covered by the guarantee:

Blades, drive chains, bearings, rubber on the rear roller and cables.

The cost of routine maintenance of the product is not covered by the guarantee.

It is in your best interest to follow the Operating Instructions for your mower/scarifier, as a properly cared for product should give many years of excellent service.

Should you require spare parts always insist on genuine Atco spares. Any damage caused to the product through the fitting of parts not made or approved by Atco is not covered by the Guarantee.

Your statutory rights are not affected by this guarantee.

Your product has been manufactured under an environmental management system using where possible the most environmentally responsible material and processes, and with the potential for recycling at the end of its life.

When the time comes to dispose of this product please consider the environmental and take it to recognised recycling facility.

(Please contact your Local Authority for location information.)

Declaration of Conformity

Measured values determined according to 2000/14/EC (1.60 m height, 1 m distance away) and EN 25 349.

Typically the A-weighted noise level of the product is: sound pressure level 85 dB (A); sound power level 95.2 dB (A).

The typical weighted acceleration is 4 m/s².

We declare under our sole responsibility, that this product is in conformity with the following standards or standardization documents: EN 60 335, EN 836 according to the provisions of the directives 89/336/EEC, 98/37/EC, 2000/14/EC.

2000/14/EC: The guaranteed sound power level L_{WG} is lower than 96 dB (A). Conformity assessment procedure according to Annex VI.

Notified body: SRL, Sudbury England

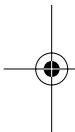
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Signature:

Position: Director



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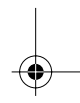
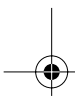


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