

Flail Mower

Designed for clearing rough terrain, cutting shoots, grass and brushwood.



Code 62246

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong equipment for the job. Contact HSS Hire for advice.

Keep the engine upright at all times. If it should get tipped over, **mop up oil and fuel spillages** and contact HSS Hire for advice before re-using.

Regularly check the fuel level and top up as necessary using unleaded petrol. **Check the engine oil level daily.** Having let the engine cool, **stand it on level ground, withdraw the dipstick and wipe clean.**

Now, **replace the dipstick**, withdraw it a second time and verify that the oil level is between the Min and Max lines.

Top up as required.

When not in use, store the equipment somewhere clean, dry and secure.

FINISHING OFF

Turn the engine switch to the OFF position and close the fuel tap.

Give the unit a final clean up ready for return, to your local HSS Hire.



... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so. Training is available at HSS Training 0845 766 7799

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below e-mail: safety@hss.com

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TRANSPORTATION OF THE MOWER

For transportation it is recommended to use a **vehicle with an open bed.**

Make sure that the deck the mower is going to be transported is firm and flat.

In order to **prevent accidental movement of the vehicle** while loading mower on to deck, **switch off the vehicle's ignition, put into reverse gear, pull on the hand brake and block the tyres.**

Do not stand in front of the mower.

Where possible use load ramps.

Use stable load ramps with a non-slip surface strong enough to take the weight of the mower. (The inclination of the ramps must not exceed 15°. The length should be at least 3 1/2 times the vehicle beds height from the ground and width to be chosen according to the tyre width of the mower)

Proceed with the loading of the mower, manoeuvring it carefully. Set the accelerator lever at minimum and the **Speed Lever** to the 1st gear setting.

Using the **Gear Lever**, engage the forward gear for loading, or the reverse gear for unloading.

During loading / unloading operations on the ramps do not operate the Flail Rotor Clutch, the Gear Lever and the Right and Left Wheel Release Levers.

Line the front wheels up with the centre of the loading ramps.

Take care when the mower passes from the loading ramps to the vehicle bed.

Once loaded, turn off the engine.

Make sure that the service brake has automatically come into operation upon release of the **Forward Clutch Control Lever**, block the mower wheels using chocks and firmly secure the mower to the vehicle.

PRE-OPERATION CHECKLIST

- Check the condition of flails
- Check that all screws are tightened, particularly those securing the flails
- Check that the guards, rubber skirt and safety devices are secure and correctly fastened.
- Before switching on the mower make sure that there are no persons in the vicinity.
- The engine is fueled.
- Check engine oil level
- Briefly operate all the mower's components to detect any abnormal noises or overheating.
- Check the tyre pressure.

The **Front Guard** opens or closes automatically according to the amount of grass cut. **Use of the mower with the guard left open is strictly prohibited.** This may cause the outward projection of objects. The guard may only be set in the open position during flail replacement operations with the mower switched off.

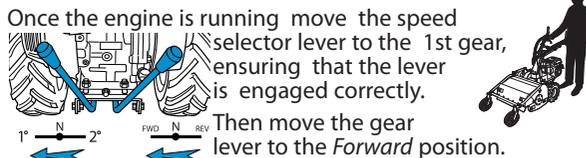


BASIC TECHNIQUES

Place yourself in comfortable and safe position.

Once the engine is running move the speed selector lever to the 1st gear, ensuring that the lever is engaged correctly.

Then move the gear lever to the **Forward** position.



WARNING

If the gear is not properly engaged it may disengage, giving rise to a potentially dangerous situation.

If the gear engages with difficulty, partially engage the clutch for an instant before trying to engage the gear again.

For safety reasons it is recommended to start work using the lowest gear, gradually working up to a higher gear if compatible with work conditions.

Engage the **Flail Rotor Clutch Control Lever** after accelerating a little. **Select a suitable cutting height to prevent the flails from striking foreign objects.**

At first the setting of a relatively **high cutting height is recommended** (use **Cutting Height Adjustment Lever**), lowering it gradually according to working conditions.

Before engaging the **Flail Rotor Clutch**, gradually move the **Accelerator** until the required speed is reached.

Engage the **Flail Rotor Clutch** gradually. Overly aggressive flail clutch engagement may stall the engine.

WARNING

Take great care as the flails rotate at very high speed.

Maintaining flail **rotation while in reverse gear is not advisable.** In fact, although the mower is able to work in reverse gear, **the risk of the outward projection of objects is increased considerably. The risk of the operator falling also increases considerably.**

FIRST TIME?

If this is your first time it is advisable to get the feel of it by executing manoeuvres on flat ground free of foreign objects.

Cut in a straight line at low speed, slightly overlapping the section cut previously.

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from HSS Hire.

 Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 Safety goggles must be worn by everyone in the work area.

 This equipment generates potentially harmful noise levels. To comply with health and safety at work regulations, ear defenders must be worn by everyone in the vicinity.

 Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Make sure you know how to switch this equipment OFF before you switch it ON in case you get into difficulty.

Ensure the work area is well lit. If in doubt, ask for lighting equipment at HSS Hire.

Do not work near flammable gases or liquids, petrol or paint thinner fumes for example. Keep combustible materials at a safe distance - at least 5m.

Check the condition of the equipment before use. If it shows signs of damage return it to HSS Hire.

Do not use the mower unless you are able to call for help in the event of an accident.

Never leave the unit running and unattended. Always switch the engine off after finishing work.

Engine gets very hot - switch off and allow to cool before touching any parts.

Never use this flail mower as a mean of transport.

If this mower fails to work, never try to repair it. Return it to HSS Hire.

Never try to modify the equipment. Any modifications must only be conducted by HSS Hire.

EXHAUST DANGER

NEVER operate petrol engines indoors or in a confined space. The exhaust contains gases that can kill.

ALWAYS ensure there is adequate ventilation when handling fuel.

Do not touch any moving parts or attempt any maintenance whilst the mower is running - Keep hands and feet away.

Before carrying out any inspection or servicing operations make sure that the engine has been switched off and the spark plug wire removed.

Make sure that the working area around the mower is free of obstacles and has sufficient lighting.

Take extreme care when handling fuel.

FUEL SAFETY

NEVER refuel while the engine is hot or running.

NEVER smoke or allow naked lights into the area when refuelling.

ALWAYS mop up spillages as quickly as possible.

Change your clothes if you spill fuel on yourself.

DO NOT attempt to switch on the engine; simply move the mower away from the area of spillage before switching on.

ALWAYS store fuel in an approved container, in a cool, safe place away from the work area.

WARNING

If any abnormal vibrations or sounds occur, stop the engine immediately and check the mower.

If you have any concerns contact HSS Hire.

GETTING STARTED

HSS Flail Mower is designed for cutting shoots, grass and brushwood.

Never use the HSS Flail Mower until you have fully read and understood this User Guide and the mower has been properly set up using the information it contains.

Before using the mower make sure that the screws, fixing elements and protection devices are in place.

Make sure the guard in front of the flails is closed.

Before switching on the engine make sure that both engagement levers are in the disengaged position (released).

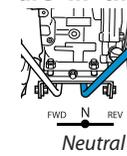
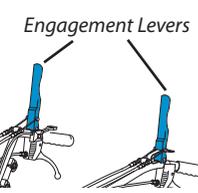
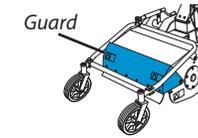
The service brake will be on automatically. Then place the gear lever in Neutral.

Check the oil level and top up, if necessary, while keeping it in a horizontal position. Do not overfill. Use of a high-grade oil is recommended.

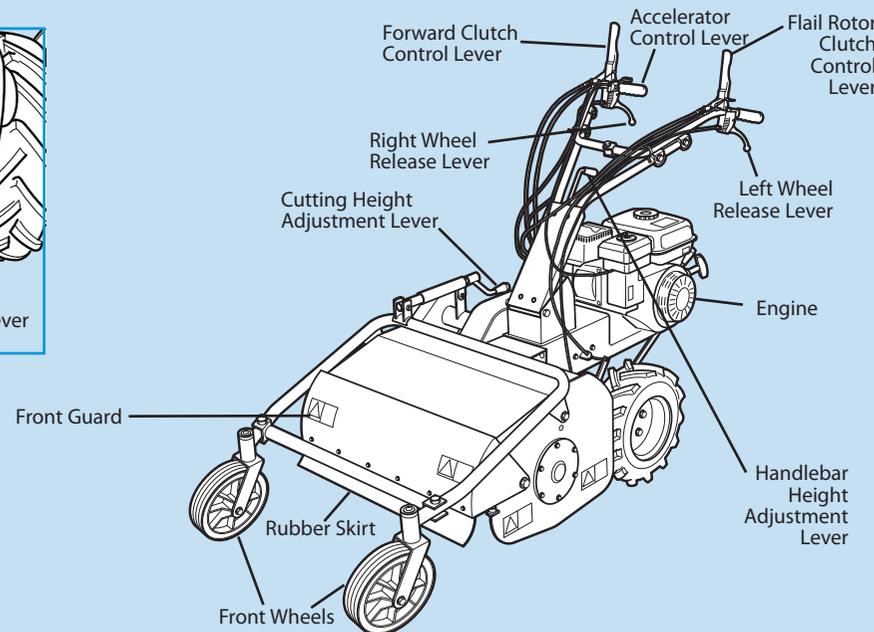
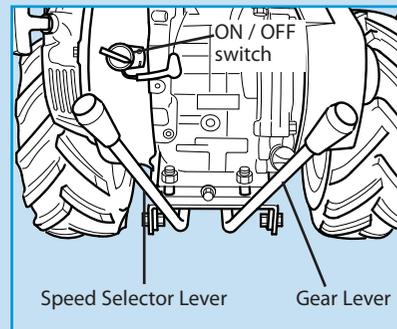
Position the flail mower outdoors on sufficiently firm, flat soil.

Check the tyre pressure. If both two tyres are not inflated to average pressure the mower will tend to travel sideways during operation.

Inspect the mower (see Pre-operation Checklist).



IDENTIFIER



Now if you are ready you can turn on the mower by moving the switch to "I" position.



Turn Fuel to "ON" position by pushing the bottom knob towards right.

If this is first use of the day then switch the choke to the "ON" position by moving the upper knob towards left.

Set the accelerator lever to the minimum position.

Grip the engine pull cord handle and pull gently until you feel the "bite", then pull on the cord sharply to overcome the pressure. Repeat the procedure, if necessary, with the accelerator lever in Intermediate position. Once the engine is running, set the accelerator in the Minimum position and gently return the choke to the Open position.

OPERATING FLAIL MOWER

To move the mower, accelerate and then engage the forward clutch using Forward Clutch Control Lever.

To select a different position and/or speed gear the forward clutch control must first be disengaged by releasing its lever.

Then select the desired Forward or Reverse position using the Gear Lever, and the required speed using the Speed Selector Lever. Then re-engage the Forward Clutch Control lever to set the mower in motion again.

To stop the flails release Flail Rotor Clutch Control Lever. The flail rotor brake will function automatically.

To stop the mower, release Forward Clutch Control Lever. The service brake will function automatically. Then switch off the engine by moving the switch to the position "O".

To move the mower with the engine switched off, disengage both left and right wheel locks levers.

SAFETY AND GUARD SYSTEMS

When released, both Forward Clutch Control and Flail Rotor Clutch Control Levers instantly disengage the transmission connected to them, thus automatically engaging their respective brakes.

In the instance of difficulty or sudden emergency, the quick release of these levers will return them to their standard position (raised).