

SCH

(SUPPLIES) LIMITED

Manufacturers & Suppliers of Estate & Garden Machinery
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OPERATING INSTRUCTIONS



FLAIL MOWER 1070mm (42")

Ref: FM42

DESCRIPTION

The FM42 is powered by a 9Hp Honda petrol engine complete with electric start. The flails are free floating on a chain link to the rotor shaft.

The tow bar has two operating positions, one in the centre of the machine and the other to one side where it is beneficial not to run on the standing growth before cutting.

The throttle control and engine emergency stop safety switch can be easily reached from the tractor seat.

The transport wheels are situated at the rear of the machine. The safety of the operator is very much in mind when designing this type of machine. Guards are provided to stop the operator's feet accidentally being offered to the flails.

Suitable for towing behind 18Hp plus tractors, ATVs and quads.

The one piece rear roller prevents scalping. A Clevis Hitch fitted as standard.

SPECIFICATIONS

Overall width	1320mm (52")
Working width	1070mm (42")
Cutting height	Minimum 18mm ($\frac{3}{4}$ ")
No. of cutting flails	36
Weight approximately	125kg
Engine	9Hp Honda petrol with electric start

SAFETY INSTRUCTIONS

All operators must be familiar with these instructions

1. The flail mower must never be moved with the engine running when not attached to the towing unit.
2. Never place hands or feet under the flail mower.
3. Never attempt to clear blockages whilst the engine is running.
4. Never attempt any maintenance or height of cut adjustment whilst the engine is running.
5. Do not clean the flail mower with the engine running.
6. You must switch off the engine before dismounting from the towing vehicle.
7. Never leave the flail mower unattended with the engine running.

Should the engine stop from overloading, never attempt to use the self-starter in the same location as it stopped.

1. Remove the machine away from the work area.
2. Pull the manual start cord to make sure the cutting rotor is free.
3. If applicable, clear the rotor until the machine is free.
4. If the rotor is free, use the key-start.

If in doubt, please call the SCH customer help line at **01473 328272**.

MAINTENANCE

1. Clean the unit after use.
2. Check to see all nuts and bolts are tight.
3. Care for the engine as per manual.
4. Grease the following twice yearly:
 - Rear transport wheels – nipples in the centre of the wheel.
 - Main rotor shaft - one is on the exposed side, the other is visible by removing the side belt guard.
 - Rear jack leg nipple at the top by the screw handles.
 - The main drive shaft - remove the guard between the engine and the belt guard - 2 grease nipples are exposed.
5. Lightly oil the screw bottle jack on the tow bar adjuster twice yearly.

Remember the cutting flails may revolve for a short period after the engine is switched off.

ENGINE SAFETY & OPERATION

Follow the engine instruction & safety manual.

- Position the safety switch to 'on'
- Always adjust the speed setting on the hand lever.
- Never try to use the speed control on the engine.

Operation:

1. Have the engine running at full throttle.
2. Travel at such a speed as to allow the engine to remain at a high RPM.

Do not travel at speeds which cause the flail mower to bounce.

HEIGHT ADJUSTMENT

Stop engine and remove the key before adjusting the height.

To adjust the height, lower or raise the rear roller. The flail mower must be on level ground during this process.

- Ensure the roller has even adjustment both sides.
- Securely tighten the adjusting nuts.
- After adjusted the rear roller to the required height, alter the adjustment on the towing bracket to keep the flail mower level.

Do not allow the adjustment to such a position where the flail will come in contact with the ground.

BELT ADJUSTMENT

Stop engine and remove the key before adjusting the belt.

1. Remove the belt guard.
2. On the belt tensioner plate, slacken the bottom mounting bolt.
3. Slacken the mounting bolt situated in the middle slot.
4. Push the bracket into the belts.
5. Whilst holding the bracket, tighten both holding bolts.
6. Replace the guard.

TRANSPORT WHEELS

The two pneumatic transport wheels situated at the rear of the unit are for transporting the mower from storage to the cutting area.

The wheels must be fully raised before starting or working.

To lower:

1. Slacken the lock bolt on the adjustor leg (if fitted) or remove the retaining pin.
2. Wind down the wheels until the rear roller is just clear of the ground.
3. Tighten the lock bolts.

To raise:

Follow the steps above in reverse. Make sure the lock bolt is fully tightened before commencing work (if fitted) or the retaining pin is in place.

PARTS LIST FOR FM42

For Engine spares, please refer to the manual.

Description	Quantity
Clevis hitch	1
50mm ball hitch	1
On/off switch	1
Speed control lever	1
Speed control cable	1
Jockey wheel	1
Prop leg	1
Adjustable centre tow bar screw	1
Upper pin for above	1
Lower pin for above	1
Draw bar to body fixing pin	1
Battery 12 volt	1
Battery terminal & connector +	1
Battery terminal & connector -	1
Main shaft bearing	2
Belt adjuster	1
Drive belts	2
Drive pulley rotor	1
Drive pulley engine	1
Swing blades (flails)	36
Transport wheels 15/600x6	2
Rear roller (complete)	1
Height adjuster holding nuts	6

Please contact us for help with spare parts.

HOW TO CHANGE THE TOWBAR FROM OFFSET / MIDDLE

1. Find some firm ground, and unhitch the flail mower from the towing vehicle.
2. Drop down the prop leg
3. Raise the Jockey Wheel
4. Uncouple the adjustable top link by removing the pin closest to the mower body.
5. Remove the towbar attaching pin and gently pull the tow bar away from the mower being careful not to damage the cables that are attached to it.
6. Move the tow bar across the required position and push the securing pin through to attach the tow bar to the mower.
7. Reattach the top link
8. Wind down the jockey wheel so that the prop leg is off the ground
9. Raise the prop leg
10. Couple up to the towing vehicle and raise the jockey wheel

WARRANTY

Your unit is guaranteed for 12 months from date of purchase. This guarantee covers faults which may occur from defective parts or manufacture.

The flail rotor of your machine was balanced at our works prior to despatch. Should excessive vibration start on the cutter, damage to the rotor has taken place. This is caused mainly by:

- A flail has become detached or damaged
- The rotor hitting old stumps or rocks, bricks etc.
- Cutting too low to the ground on uneven surfaces allowing the flails to hammer the grounds.
- Should the rotor be bent out of true there is no warranty on the product.



If you are missing your free brochure contact us on **01473 328272**, email sales@schsupplies.co.uk, or visit our website www.schsupplies.co.uk

