



# **RMC660**



## **Owners Manual and Operating Instructions**

**IMPORTANT**

Read this book carefully before operating this machine.



## **Safety Instructions**

- (1) Read safety and operating instructions carefully.
- (2) Always wear suitable footwear. Do not mow in bare feet.
- (3) Always stop the engine and disconnect the sparkplugs when guards are not in place.
- (4) Check that the lawn to be mowed is free of foreign debris. This includes, and is not limited to, rocks, nails, dog bones. Do not come into contact with kerbs or reticulation.
- (5) Do not allow children to come near the mower. Always ensure that the children are at a safe distance and are well away from the machine.
- (6) Do not put hands whatsoever inside the machine or near the cutting cylinder while the machine is running.
- (7) Read the engine manufactures operating instructions carefully. Do not alter governor settings or over speed the engine.
- (8) Take great care when refuelling the engine. Never have a lighted flame near refuelling area. Always refuel outdoors. Always turn off engine when you are refuelling and do not refuel if engine is hot. If spillage occurs, mop up immediately and wait a suitable time so the fumes disappear. When storing fuel, make sure it is in a suitable designed container and it is stored in a cool dry place.
- (9) Mow only in daylight, when visibility is good.
- (10) When mowing, slopes should be treated with caution. Never place mower on uneven ground.
- (11) When you leave the mower unattended, always stop the engine.
- (12) Do not use mower in confined spaces with no ventilation.
- (13) It is advisable to wear suitable hearing protection.
- (14) It is advisable to wear safety glasses whilst operating the mower.
- (15) Always operate with all guards in place.

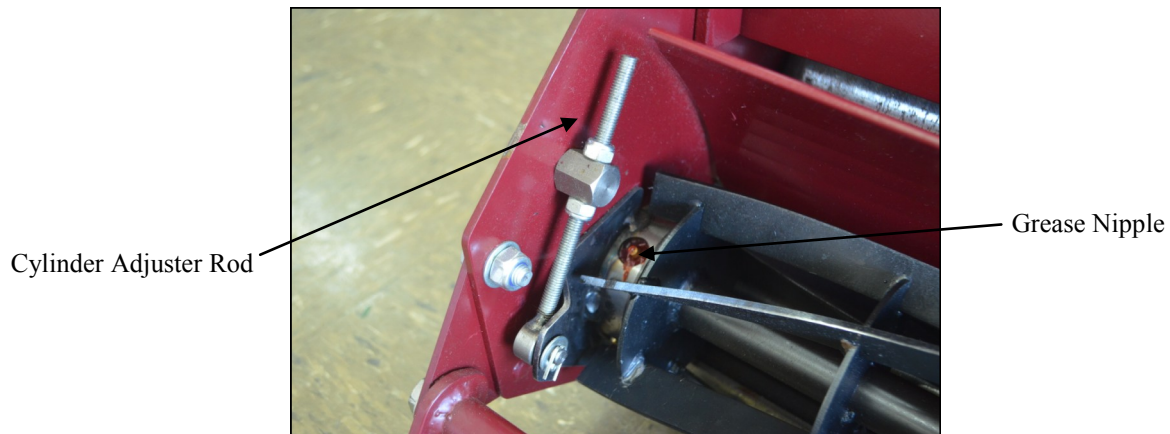


## Operating Instructions

*Before starting, read the Safety Instructions, Operating Instructions and the Engine Operating instructions. Always ensure that the engine has oil, as per engine instructions.*

### **Pre-Starting the Mower:**

- Engine instructions - refer to engine manufactures operating manual for safety messages and before operation checks.
- Check the cylinder is correctly adjusted to cut, through testing with grass or paper. If not, loosen the locking nuts of the cylinder adjuster rods and then turn the adjustment nuts slightly, in even amounts, on each side, until required cut achieved. Then resecure the locking nuts.
- Grease the nipples on the cutting cylinder, and drive shaft, oil the chains and both of the clutch holes.



*Figure 1: Left Hand Side of Cutting Cylinder*



*Figure 2: Clutch*



## Operating Instructions

### Starting the Mower:

- The fuel tap on the side of the carburettor will be in the OFF position. In order to start the engine, switch into the ON position.
- The grey choke lever then needs to be moved into the choke position.
- The cylinder and drive clutch leavers should be in the disengaged position, if not, move them into this position.
- Move the on/off switch on the mower cross rail, to ON.
- Pull the starter rope, until you feel some resistance, then return the cord to the motor briskly, but do not let it snap back. Increase the throttle setting and remove the choke lever setting.
- The drive clutch lever is the lever on the side of the machine. When fully released, the forward drive is engaged immediately. The lever can also be eased in more gradually, allowing the mower to edge forward slowly.

### Stopping the Mower:

- To stop the engine, move the throttle into the idle position.
- Turn OFF the engine switch.
- Before storing the mower for use another day, ensure the fuel tap is in the OFF position.

### Front Roller Level Adjuster:

Loosen the 17mm bolt on the right hand side of the front roller and use the 38mm tool to adjust the front roller cam on a level surface, in order to get the machine level.

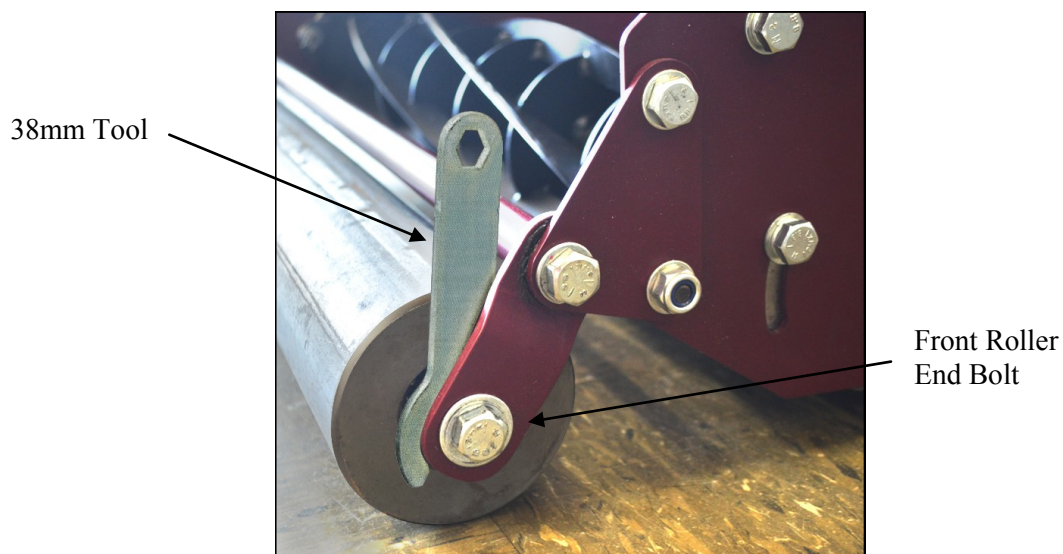


Figure 3: Height Adjuster



## Operating Instructions

### **Cutting Cylinder:**

The trailing edge of the cylinder is sharpened whilst the machine is in operation, so it is recommended to reverse the cutting cylinder regularly (around when the bottom blade is sharpened is a good gauge). The cylinder should be ground and bearing checked, around the time a new bottom blade is fitted.

### **Removing the Cutting Cylinder:**

- Remove blade sole plate and sharpen and straighten bottom blade.
- Remove cylinder chain, undo the chain joining link.
- Remove the cylinder sprocket boss.
- Loosen the nuts on the cylinder adjuster rods
- Remove the bolts from the 2 adjuster rod anchors.
- Remove the 4 bolts securing the two bearing housings.
- The cylinder can then be pulled out through the bottom of the mower.
- Check the bearings and grease nipples, then clean the side plates.
- Reverse the cylinder so that the shaft trailing edge is at the front.
- Lift with the adjuster rods, and ease the cylinder back into position. Be carefully not to over tighten the cylinder bearing housing bolts.
- Refit the sole plate, ensuring these bolts are tight, and adjust the cylinder down evenly to the blade, as so to cut paper. Do not over tighten the cylinder onto the bottom blade.
- Grease the bearings and return the mower to the upright position.
- Refit cylinder sprocket boss, chain and chain case. The chain joiner must be secured with the closed end facing the drive direction.



## Operating Instructions

### **Removing the Blade Holder:**

- Turn off the petrol and remove the spark plug cap.
- Lay the handles on the catcher/ 20L drum, or something of equal size.
- Undo the wing nuts to remove the chain case.
- Remove any remaining tension in the blades by loosening the cylinder adjuster bolts.
- There are 3 bolts on each end of the bottom blade holder, loosen all 6, and then remove them. This will enable the bottom blade and holder to be removed.
- The blade should only be removed from its holder when it is being replaced. The blade should also only be professionally sharpened.
- Reattach the bottom blade and holder, fitting the bolts loosely, and then tightening them.
- Adjust the cylinder down to the blade, so as to cut paper.
- Check that it is at the required cutting height and level, and refit the chain case. Then return the mower to the upright position.

### **Adjusting the Back Roller:**

- Turn off the petrol, remove the spark plug cap, and remove the chain case.
- Behind the 35 tooth sprocket is the slotted side plate. Remove the cover plate that is over the side plate.
- Remove the four bearing housing bolts.
- Lift the mower handles, to drop the back roller from the chassis.
- To refit the roller, lift the mower and secure with the bearing bolts.
- Refit the chain and adjust the chain tension, using the nut of the back of the 52 tooth idler sprocket. Test over tightening of the chains has not occurred by conducting a full rotation of all the sprockets.
- Oil the chains and refit the chain case and seal.

### **Removing the Front Roller:**

- Turn off the petrol and remove the spark plug cap.
- Lay the handles on the catcher/ 20L drum, or something of equal size.
- Remove the bolts at each end of the front roller shaft.
- Repair as necessary and then re-attach.

**\*\*Note: the bearings are secured with circlips behind the end seals\*\***



# Maintenance

## **Cleaning the Mower:**

A blower, or compressed air, can be used to keep the mower, specifically the engine, cylinder, chains and clutch, clear of grass clippings, and the surfaces can be wiped down. Do not use a hose, or water flow, to clean the mower or engine after use.

## **Transporting the Mower:**

Hooks in the top sections of the mower handles enable the catcher to be stored in an upturned position, over the engine.

To minimise free movement of the mower when transporting, the clutch lever should be engaged. To prevent the mower falling backwards from acceleration, the handles should be securely lashed. The mower should be kept upright, as engine oil will run into the carburettor, exhaust and cylinder, if the mower falls or is placed on its back.

## **To Be Checked Daily:**

- Sufficient oil in engine.
- Oil clutch - 2 holes, which can be seen in Figure 2.
- Grease cylinder and drive shaft bearings.
- Check cylinder and bottom blade cut (and adjust if necessary).

## **After 40 - 50 Hours of Use:**

- Remove bottom blade holder, and sharpen the blade.
- Reverse cutting cylinder.
- Check cutting height.
- Check and adjust chain tension, and re-oil chain.
- Clean air filter.

## **After 80-100 Hours of Use:**

- Change motor oil, as per engine manufactures manual.
- Check bearings and grease nipples.
- Lubricate throttle inner cable with CRC or similar.

## **After 150 - 200 Hours of Use:**

- Check front and back roller bearings.
- Check clutch lever adjustment (3-5mm space from end of clutch gate when engaged).
- Clean fuel bowl, or filter if fitted.



## Warranty

Under the warranty, your RMC660 Cylinder Mower is warranted for 2 year from the date of purchase against mechanical defects, faulty workmanship or material. 90 days for commercial use. This warranty covers only the replacement, repair or adjustment of any part which fails as a result of a fault in manufacture or assembly. Defective parts will be repaired or replaced without charge for labour or materials, subject to the conditions detailed below.

### **Warranty Exclusions, Limitations and Rights.**

- (1) Any failure that results from accident, abuse or neglect is not covered by this warranty.
- (2) Transport of the reel mower to and from the manufacturer, their agents or dealers, to be paid for by the owner.
- (3) Proof of purchase date must be provided prior to the commencement of the warranty work.
- (4) Any failure of parts or material that is contributable to fair wear.
- (5) Any indirect or consequential loss, damage, costs or expenses suffered by the consumer that may result either directly or indirectly from the failure or malfunction of the product.
- (6) Any repairs carried out other than those by authorised TruYard distributors, agents or dealers cancel this warranty.
- (7) Engine warranty is separate and is in accordance with the Engine manufacturers express warranty.

To contact your nearest authorised TruYard distributor, please go to:  
[www.truyard.com](http://www.truyard.com)