

THE J.P. MAJOR
LAWN MOWER



INSTRUCTIONS
TO USER

FOREWORD

In the production of the J.P. Major Lawnmower by its design and accuracy of workmanship and the use of the finest materials, we have built a mower which will cut perfectly and move with delightful ease ; with proper care its efficiency can be maintained for many years.

What is more, attention to these instructions will repay you by added ease of working.



THE J.P. ENGINEERING CO. LTD.

Manufacturers of **J.P. SUPER LAWNMOWERS**

MEYNELL ROAD

LEICESTER

ENG.

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DIRECTIONS

FOR THE PROPER USE AND CARE OF THE **J.P.** MAJOR LAWNMOWER

LUBRICATION

1. Oil frequently the transmission gearing through the Flip Flap oiler on the top of the aluminium gear cover with good, thin machine oil.
2. The Ball Bearings are totally enclosed and packed with lubricant on leaving the works and should require no further attention for a considerable time. Access to the bearings is obtained by first removing the two aluminium covers and then detaching the rear large driving gear and the small front cutter gear by unscrewing and taking off the retaining nuts.
3. The front roller should be oiled frequently with thin machine oil at the space provided between each roller ; to assist the feed of the oil, tip the machine on each side when oiling.
4. The rear drums are fitted with special oil charged pads in the bore and should require no attention for an indefinite period.
5. Oil occasionally the cutter adjusting bar which passes through the knife frame. On top of each boss of the frame will be seen the two oil holes provided to receive lubrication.

CLEANING

6. Upon completion of the mowing clean off all clinging grass or dirt and store in a *dry* tool shed. Never use water ; wipe over the edges of the rotary cutter and shear blade with an oily rag to prevent rust and help to preserve the keenness.

HANDLE BARS

7. These adjust to a higher or lower position by removing the nuts on the rear cross rod, and replacing the retaining link into another position as required, taking care to tighten the nuts up again.

CUTTING ADJUSTMENT

8. The cutters are carefully ground and set and *already* adjusted to make a scissor contact and locked before the machine leaves the works ; unless the machine has been injured or tampered with in transit, adjustment will not be required for some time. The rotary cutter works in contact with the straight edge of the shear blade which is adjusted by turning the small handwheel in the direction of the arrow until the cutter blades can be heard very *lightly* touching the shear blade as the cutter is spun. To adjust proceed as follows :—

A. First loosen one complete turn each of the retaining nuts (4 in all) on both sides of the top cross rod.

B. Turn the handwheel using the pegged spanner in the hole on the handwheel until adjustment is made as indicated above.

C. Take care to *tighten all four* nuts up again securely.

ADJUSTMENT FOR CLOSE TO MEDIUM CUTTING

9. The adjustment for length of grass to be cut is made by the front roller handwheel. Tilt the mower backwards, unscrew the handwheel one turn, and move the front roller until the slot in the arm is about midway, then tighten the handwheel. The handwheel should not be set far back when dealing with a heavy crop or when going over the lawn for the first time in the season ; keep it well to the front except for close cutting.

REMOVING THE ROTARY CUTTER FOR SHARPENING

10.

- A. Remove the aluminium cover from each side of mower.
- B. Take out the front cross bar by unscrewing the side nut and removing the handwheel.
- C. Projecting through the frame will be seen the nut which secures the rotary cutter shaft ; with the box spanner provided, unscrew about two turns ; then tap the end of the spanner with a block of wood to loosen the shaft.
- D. Now remove the nut entirely and with the spanner handle push the shaft through until the opposite end can be grasped with the left hand ; the shaft may now be drawn completely out of the machine and the rotary cutter simply lifted from between the frames.
- E. Replace the shaft, nut, and covers to prevent mislaying and the admission of dirt.

REPLACING THE ROTARY CUTTER

11. It will be seen that the cutter has one end of its bore keywayed ; hold the cutter in position between the frames with this end up to the bearing on the transmission side. With the other hand insert the shaft through the opposite side frame bearing and through the cutter tube, care being taken to engage the keys in the shaft with the keyways in the cutter. Then push the shaft firmly through into the opposite bearing. Replace the cover washer, then the small driving gear and spring washer and nut up tightly. The front cross rod and aluminium covers can now be assembled on machine.

REVERSING THE SHEAR BLADE

12. When one edge of the shear blade is worn it can be reversed. To do this, lay the machine on its back and using a wide screwdriver, take out the six screws, turn it round and replace the screws, screwing up tightly (*be sure the blade face and the frame seating are scraped clean and smeared with oil*).

PARALLELISM OF CUTTERS

13. Should the occasion arise where the bottom blade and rotary cutters are not cutting even in their whole width, this can be corrected by adjustment of the small flanged eccentric secured to the side frame at one end of the top cross bar.

A. First slacken off the two nuts at the bottom of each side of the handle bars.

B. Release the round headed locking screw which locks up to the face of the adjuster.

C. The flanged eccentric can now be slightly rotated to correct error of parallel of the bottom blade with the rotary cutter.

D. Test with strip of stiff paper for even cutting.

E. Re-tighten locking screw, then tighten up the cross bar nuts.

GRASS BOX

14. Rest the tips of the two metal wings on the front cross bar in between the side frames and raise the front of the box until the wings can slip under the bosses on either side frame, lower the box until the notches in the wings fit *firmly* on the cross bar ; if not firm you may damage the cutters.

INSTRUCTIONS FOR ORDERING SPARE PARTS

15.

A. Replacement parts should be ordered through the dealer who supplied the machine.

B. Illustration plate shows a list of the main or common replacement parts. Always quote the part number together with always the letter series JR.—for example :—

J.R. 3-1 ROTARY CUTTER.

C. When ordering spare parts always give the size and *number* of machine, which you will find stamped on top edge of the aluminium cover on the gear side frame.



