

Use

The Moore-Tronic is designed to be used only with Moore seed drills. Any other use will be considered as improper.

The manufacturer cannot be held responsible if modifications have been made to the unit without the manufacturer's express agreement.

Instructions

Before carrying out electrical instalation work, disconnect the battery circuit. The same applies when carrying out welding on the tractor and the machine

Please note

The 'km/h' on face of Moore-tronic meter is now replaced by this 🗾 symbol.

The 'Ha' is replaced by this 📻 symbol

System Moore

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ASSEMBLY

e-file/-/

A 1	Dimensions
A 2	Mounting



A 1 UNIT DIMENSIONS (see diagram)

The electronic control unit must be mounted so that it is clearly visible to the driver

A 2 MOUNTING

- By dismantling the control unit casing, the control unit can be mounted in one of 4 positions relative to the display.
- Attach the foot of the unit by drilling mounting holes in the location desired: 2holes, distance between centres 50mm, diameter 5mm.





CONNECTION

B 1 Electrical Connections

B 2..... Connection between System Components



B 1 ELECTRICAL CONNECTIONS

The unit must be connected directly to the 12 volt battery using the cable provided for this purpose.

As soon as it is plugged in, the unit shoul switch on.

The unit has an internal battery so that the data programmed in to it can be kept in memory.

B 2 CONNECTION BETWEEN SYSTEM COMPONENTS

- ① MOORE-TRONIC unit
- ② Power leads with 3amp fuse
- ③ Seed drill connection unit (supplementary information III3)



FUNCTIONS

C 1

C 2



C 1 FUNCTIONS

The main function of the unit is the TRAMLINES function. While working, the cursor returns to this function; use the \checkmark key to move the cursor on to other functions. In the event of any anomaly, the cursor automatically positions itself on the faulty function, accompanied by an audible signal.

C 2 INFORMATION

- TRAMLINES manual advance (counting)
 - Selection of surface area
 - Programming
- Illuminated display
 Cursor indicates the function selected
- 3 Functions
 - 3.1 Direct read-out of speed of advance in km/h
 3.2 Hectare counter, direct two level read out
 3.3 Marking, counting and selection of run
 3.4 Distributor shaft rotation indicator
 3.5 Seed box empty indicator
- Select function (move cursor)
 Programming

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Stop TRAMLINES counting
 Reset the two levels of the hectare counter
 Total 1 Total 2



SPEED OF ADVANCE





A 1 OPERATION



Press to move the cursor onto km/h.

When working, the speed of advance is displayed.



The unit only works for a speed of advance greater than 2km/h.

The unit is programmed with a coefficient of 3.333 so that the speed can be read off directly.

If you notice that the speed indicated is not correct:

a) **Check** that the coefficient is still stored in memory (plI3A-2.1)

b) **Recalibrate** the unit over a distance of 100m (pll4-A2.2)



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A 2.1Checking the coefficient

Select the km/h function



Seen of the second



Press and Hold down:

The coefficient is displayed

if correct ≻ release

if incorrect → keep







B Press to modify the figure which is flashing

Release when the required figure appears;

Repeat this operation for the other figures and for the location of the decimal point.

The coefficient should be «3.333»



A 2 PROGRAMMING

003

A 2.2 Calibration over 100 metres



Position the seed drill at the first marking point Select the km/h function





2 Press and Hold down: The coefficient is displayed then release after operation 3.



4 Travel the distance of 100 metres The number of pulses is displayed.



STOP 5 /่า,⇒0 rm

At the end of the 100 metres:

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Press STOP, the coefficient is then displayed.

The unit stores this coefficient in memory and cancels the previous value.





3 With your other hand: Press to start automatic programming.

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HECTARE COUNTER



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B 1 OPERATION



Select the hectare function (Ha)

Maximum 9999, read-out in hectares and tenths of a hectare

Note: When sowing over a 1/2width, the counter calculates the width sown.





Press 2

The first total is displayed.





Press 3 The second total is displayed.



B 2 PROGRAMMING

Checking the programmed working width



Select the hectare function





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Press and Hold down:

The width appears

if it is correct \succ release

if it is incorrect≻ keep helḋ down throughout programming



With your other hand:

Press to modify the figure which is flashing

Release when the required figure appears;

Repeat this operation for the other figures and for the location of the decimal point.

4m seed drill: «4.000» 3.5m seed drill: **«3.500»** 3m seed drill: «3.000»



B 3 RESETTING THE HECTARE COUNTER



MARKING OUT (Tramlines)

C 1 OPERATION



Select the TRAMLINES function

Left hand figure > counting

Right hand figure ≻ programmed _ figure

Counting takes place by reversal of row markers. The unit indicates the start of disengagement of the distributors by means of an audible signal.



Stopping the counting

For reversal of row markers in the middle of the plot of land

When the Tramlines is not used

Press



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TRAM



Restart counting 2 Press





3

With your other hand:

Press to modify the figure which is flashing

Release when the required figure appears.







Press and hold down throughout programming The right hand figure flashes

Tramlines mode selected displayed on the left

(R5 Asymmetrical) ('54 Symmetrical)

(p. 1116 - 17 - 18)



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C 2 PROGRAMMING

function



C 3 MANUAL COUNTER ADVANCE



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Select the TRAMLINES function



Press to modify the figure: To start the plot of land at the correct run number

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C 4 PROGRAM VALUE

C 4.1 Table of settings (direct reading of marking passages)

Seed	ed Boom width 1/2 drill to		MOORE TR	ONIC UNIT
drill	in metres	start plot	Programming	Passage indicator (start of fields)
-	9	No	3	2
	12	Yes (No)	4 (<i>H</i>5• 4)	2 (3)
	15	No	5	3
3m	18	Yes (No)	6 (Я5• 6)	3 (4)
	21	No	7	4
:	24	Yes (No)	8 (月5• 8)	4 (5)
	21	Yes (No)	6 (月5• 6)	3 (4)
3.5m	28	Yes (No)	8 (¶5•8)	4 (5)
	12	No	3	2
	16	Yes (No)	4 (<i>R</i>5• 4)	2 (3)
	20	No	5	3
4m	24	Yes (No)	6 (Я5•6)	3 (4)
	28	No	7	4
	32	Yes (No)	8 (A 5•8)	4 (5)
	36	No	9	5

(Value for asymmetric marking R_5)

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C 4.2 MARKING AT THE CENTRE OF THE SEED DRILL (Symmetrical) a) Odd multiple of boom width (for example: 20m, seed drill 4m)

b) Even multiple of boom width (for example: 24m, seed drill 4m)









1 x 24 metres

C 4.3 MARKING OVER A TWO WAY TRIP OF THE SEED DRILL (Asymmetrical)

(for example: boom 24m, seed drill 4m)









1 x 24 metres

DISTRIBUTOR ROTATION





D 1 OPERATION



Selection of the distributor shaft rotation function

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The figure shown is the pulse number when the shaft rotates



If the distributor shaft is not rotating, the cursor automatically moves onto this function, and this is followed by an audible signal.

HOPPER EMPTY ALARM

..... Operation Ε



This issues a warning just before the seed box is completely empty.



The cursor moves onto this function.

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The screen displays ALAr and the unit produces an audible signal.

INFORMATION

A 1	Maintenance
A 2	Circuit diagram
A 3	Correcting faults



A 1 MAINTENANCE

ELECTRONIC CONTROL UNIT

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The unit requires no maintenance It must however be kept in a dry place in winter .

SENSORS

The inductive sensors require no maintenance; how ever, care should be taken to avoid subjecting them to shock, since this could upset their positioning. ٠

A 2 SEED DRILL CONNECTION BOX CIRCUIT DIAGRAM



A 3 CORRECTING FAULTS

MOORE TRONIC

FAULT	REMEDY
The unit does not switch on	Check the connection to the 12 V dcCheck the 3A fuse
The unit switches on, then switches off	• Check the polarity +/~
The speed information is incorrect	 Check the speed coefficient Check the positioning of the sensor on the shaft
The hectare count is incorrect	 Check the speed coefficient Check programmed working width Check the positioning of the sensor on the shaft
The automatic counting for the marking out no longer works (counting twice instead of once)	 Check the positioning of the sensor at the level of the row marker reversal mechanism For COMPACT (with the cylinder out, the sensor should be opposite the magnet). Check the mounting of the sensors at the joint of the tracers for SPI

NB: refer to the corresponding chapter

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Spare Parts CATALOGUE



Nr	CODE	ITEM
1	983606	Complete unit
2	962088	Thumbwheel and unit casing
3	951193	Support
4	983907	Fuse holder
5	983802	Set of power leads
6	983908	Female connector
7	983909	Male connector
9	983910	Alarm
10	971021	Complete connection box
11	983912	Sensor and cable 3.10 m
13	983805 .	Signal harness 4.4 m
14	983914	Tramlines magnet
15	983915	Surface area magnet
16	983916	Distributor magnet
17	983804	Solenoid valve connection
18	795722	Solenoid valve
19	983917	Seed box empty sensor
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GENERAL GUARANTEE CONDITIONS

Notes

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Provided that the enclosed certificate is returned by the user on the exact delivery date, the equipment is guaranteed against all material defects for one year from this date.

The guarantee is limited to the repair or free replacement of the part recognised defective according to the manufacturer's instructions. It does not cover damage resulting from abnormal use, defective maintenance or operator error.

The guarantee does not apply to any machine having undergone modifications without written authorization, or if original parts have been replaced by parts of other origin. The tyres, and parts not produced by us, are excluded from the guarantee.

The guarantee does not cover labour and shipment costs, and the equipment is carried at the recipient's risk. The guarantee is expressly limited to the above conditions; in particular it does not in any circumstances apply as a result of accidents to persons or property.

As part of its policy of constant improvement to its equipment, Moore reserves the right to modify characteristics at anytime and without notice.

Remember to make a note of the serial number of your Moore equipment, which is engraved on the identification plate. It must be quoted in any correspondence with the factory (by telephone or in writing).

The characteristics given are not contractual.

Use original Moore parts to ensure that your machine maintains conformity with its original specifications.