

Operating Manual for the Cardinal 777 Indicator

TRUCK MASTER

REVISION A3

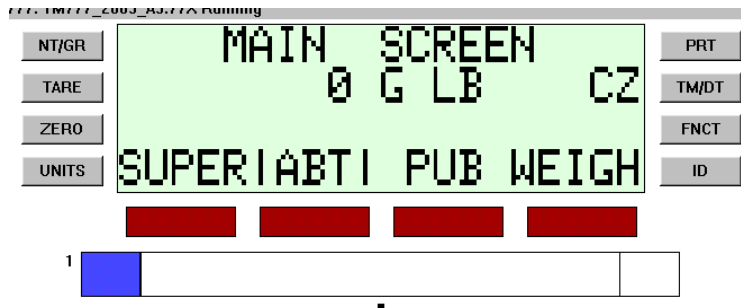
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TRUCK MASTER

1. Main Screen

On power up the 777 indicator will display the MAIN SCREEN,



The four quick key options are **SUPERVISOR**, **ABOUT**, **PUBLIC WEIGHING** and **WEIGH**.

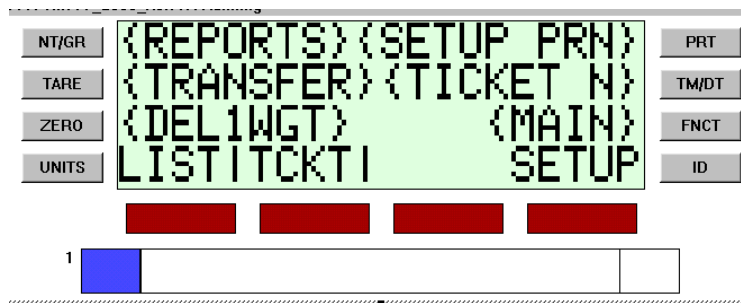
Aside:

- *The blue bar seen below the screen in all pictures in this manual simulates the weight on the weighbridge. In the picture above there is zero weight on the weighbridge.*
- *Throughout the program pressing the function key on the right hand side of the indicator will return the user back to the previous screen.*
- *The ABOUT key gives registration details of the program.*

2. SUPERVISOR MODE

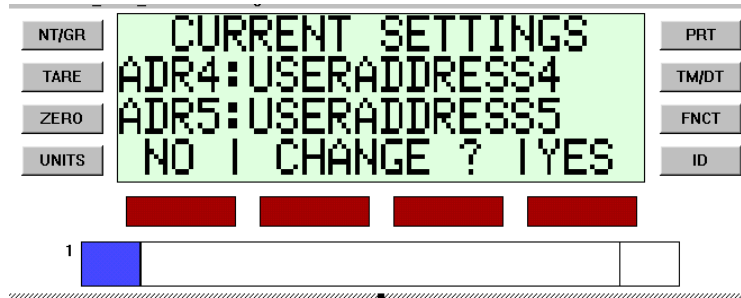
A password protected area of the program where weighing details and advanced settings can be changed.

To begin, press the quick key below **SUPER**. After entering the default password of **2909**, the SUPERVISOR SCREEN will be displayed:



2.1 Setup

Pressing the quick key below **SETUP** will allow the user to enter their company details and set their own password. The screen will show:



Pressing the quick key below **YES** allows the password to be changed and the company name and address to be entered. These details are entered via the QWERTY keypad on the 777 indicator and confirmed by pressing the ENTER button. After entering all details the user will be prompted to “WRITE?” Selecting YES at this point will confirm the name and address entered will be written on each ticket printed from then on. (This name and address can be changed at any time by following the same process.) The indicator will then return to the SUPERVISOR SCREEN

2.2 Return to Main Screen

Pressing the FUNCTION key beside MAIN will return the program to the MAIN SCREEN.

2.3 Printer setup

Pressing the PRT key beside **SETUP PRN** will take the user through the printer setup. Here the baud rate, line feeds and printer type can be changed. Follow the on screen instructions and enter the required details via the QWERTY keypad.

2.4 Changing the consecutive number

Pressing the TM/DT key beside **TICKET N** will allow the consecutive number printed on the next ticket to be changed. This may be required when a specific group, or single ticket, number needs to be printed.

2.5 Deleting a truck after a first weighing

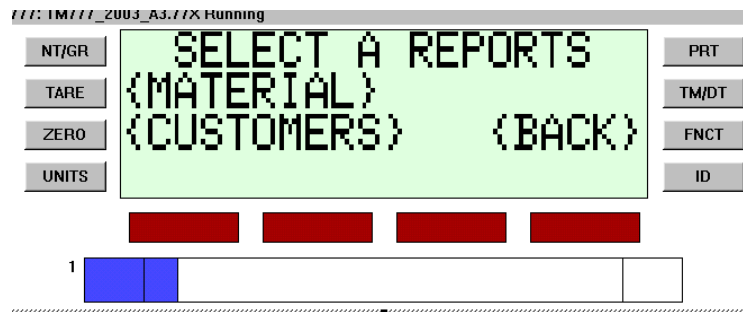
Pressing the ZERO key beside **DEL1WGT** will allow the first weight of any vehicle previously weighed to be deleted. The registration number of the truck to be removed will be asked for and can be entered via the QWERTY keypad. This function may be required when a truck is not returning for its second weighing.

2.6 Reprinting previous tickets

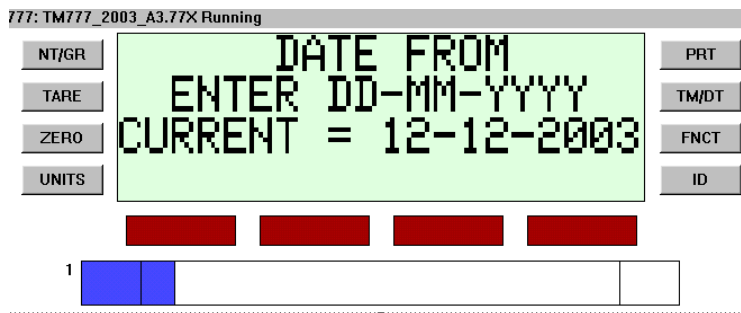
Pressing the quick key below **TCKT** will allow a print out of a specific ticket number that has been previously created. This function may be used to reprint a lost ticket or check previous tickets.

2.7 Printing reports

Pressing the NT/GR button beside **REPORTS** allows a printout of all transactions that have taken place in a certain period of time. Once the **REPORTS** button has been pressed the screen will show:



After selecting the required report and pressing enter the screen will show:

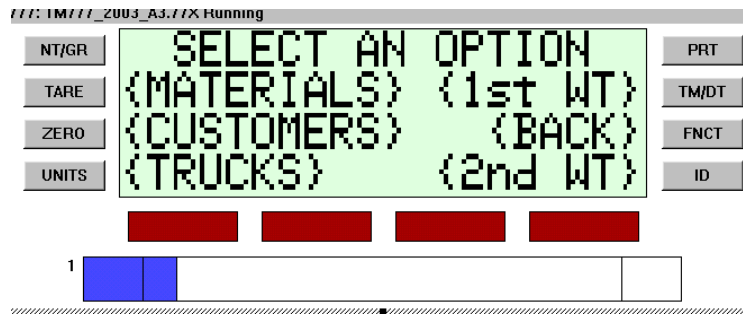


Here the dates from which the report is to be taken can be entered via the QWERTY keypad. The report will be automatically printed after the second date has been entered.

2.8 Customer, Material or Truck Data (LIST)

The following section details how to enter customer, material and truck data into the indicator. This information can be recalled simply with an ID number to make the weighing procedure shorter.

After pressing the quick key below **LIST** the screen will show:



2.8.1 Printing out a 1st weight list

Pressing the TM/DT button beside **1st WT** gives a print out of all outstanding vehicles that have had only one weighing.

2.8.2 Printing out all completed weighings

Pressing the ID button beside **2nd WT** gives a print out of all completed weighings.

2.8.3 Entering and editing details

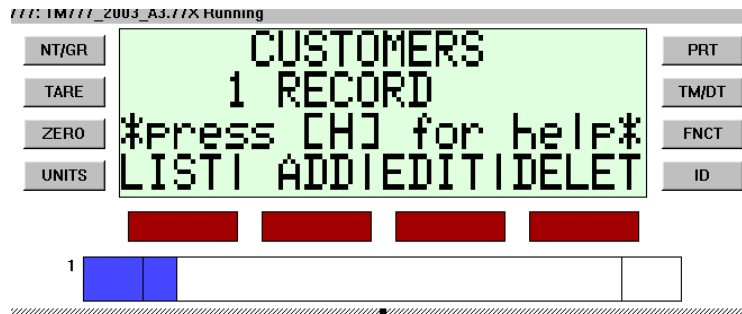
Pressing either the TARE, ZERO or UNITS button besides **MATERIALS**, **CUSTOMERS** and **TRUCKS**, respectively, allows details to be entered and stored in the indicator for recall later in the weighing process.

To demonstrate this procedure, an example of entering a customer's details will be taken.

Example

Entering or editing CUSTOMERS

After pressing the ZERO button besides **CUSTOMERS**, the screen will show:



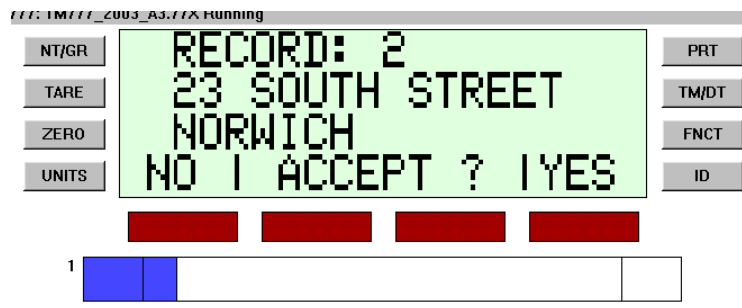
- Pressing the **LIST** button shows a list of customers already entered.
- Pressing the **ADD** button allows additional customers to be entered, see section 2.8.3.1.
- Pressing the **EDIT** button allows previously entered customers to be edited.
- Pressing the **DELETE** button allows the deletion of customers.

2.8.3.1 Adding customers

After pressing the **ADD** button the screen will show:



Here the customer's ID can be stored. This ID can be entered in the weighing process, see **section 4**, to recall a truck's details. The ID is usually the truck's registration number. This is entered via the QWERTY keypad. After the ENTER button has been pressed the user will be prompted to type in the customer's name and address. When all details have been entered the screen will show:



(RECORD: 2 simply means that in this case this is the second record to be entered)
The screen will alternate between the name and ID of the customer and the address.
Pressing the button below **YES** will store these details ready for recall. The program will then automatically prompt the user to enter the next record. If no more records need to be entered, the **FUNCTION** button can be pressed to return to the main CUSTOMERS menu.

2.8.3.2 Editing Customers

After pressing the **EDIT** button the user will be prompted to enter the required customer ID. The old data will then be shown, starting with the ID, and the user has the choice of either pressing ENTER to continue scrolling through the details or typing in new details to edit the stored data.

2.8.3.3 Deleting Customers

After pressing the **DELETE** button the user will be prompted for a password. This is the password specified in **SETUP**. After entering this password the user will be asked whether to delete one or all of the customers. If one customer is selected the user will be prompted to enter the customer ID or press".." to choose from the list of customers, see the aside in **section 4**. Once the customer has been selected the details are shown on the screen and a confirmation of deletion is required.

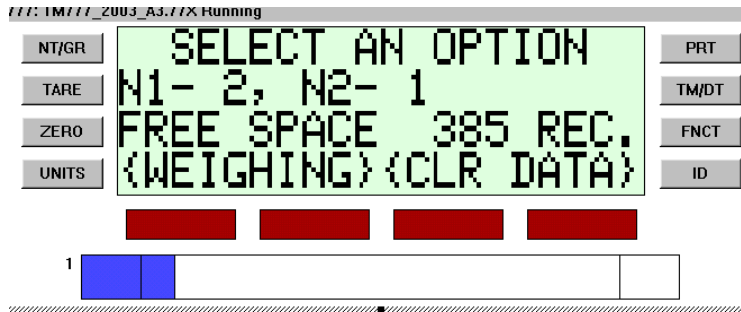
2.8.3.4 Entering Materials and Trucks

2.8.3 HAS DETAILED ENTERING, EDITING AND DELETING CUSTOMERS BUT THE SAME PROCESSES APPLY TO MATERIALS AND TRUCKS.

When entering truck details the user will be asked to enter a known tare weight for each truck. This will allow the load on the truck to be calculated with only one weighing. In the WEIGH mode, see section 4.1, entering a truck ID that has a previously entered tare will allow a ticket to be printed for that truck after only one weighing.

2.9 Transferring data to MS Excel

In the SUPERVISOR MENU, pressing the TARE button beside **TRANSFER** allows the transfer of accumulated data to MS Excel. After the **TRANSFER** button has been pressed, the screen will show:



N1 – 2 shows that there are two transactions that are not complete, since only the first weighing has taken place.

N2 – 1 shows that there is one completed weighing transaction in the indicator memory.

The screen also shows how much **free space** there is in the memory of the indicator and therefore how many records can still be entered.

2.9.1 Transferring data

Pressing the UNITS key beside **WEIGHING** allows the time period to be specified from which the transactions are to be sent. Once the end date has been entered the indicator will look for a response from the PC. If the transfer is successful the user will be prompted to delete the data stored in the indicator. **Ensure that this data is saved on the PC before deleting it from the indicator.**

2.9.2 Deleting completed transactions

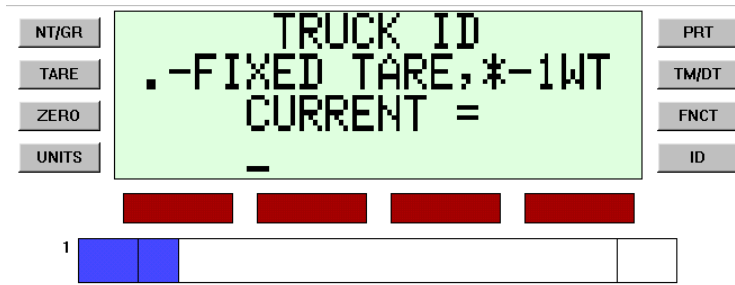
Pressing the ID key next to **CLR DATA** allows the user to delete all completed transactions. All transactions that have had a completed second weighing will be deleted. **Ensure that this data is saved elsewhere before deleting it from the indicator.**

3. PUBLIC WEIGHING

Allows single weighing with a ticket printout.

After a truck has driven onto the weighbridge and the motion has settled (this will be indicated by a symbol in the top left-hand corner of the screen), the **PUB** button becomes active.

Pressing the quick key below **PUB** takes you into public weighing mode. The screen will show:



Type in the Truck Registration via the QWERTY keypad and press ENTER. A ticket will now be printed with the **company name and address, truck registration number, gross weight and time and date.**

4. WEIGHING VEHICLES

A guide to operating TRUCK MASTER 2003

After a truck has driven onto the weighbridge and the motion has settled (this will be indicated by a symbol in the top left-hand corner of the screen), the **WEIGH** key becomes active. After pressing the quick key below **WEIGH** the user will be prompted to enter the truck ID number.

IMPORTANT ASIDE:

- *The ID's that are requested here are recalled from those entered in the SUPERVISOR menu, see section 2.8.3.1*
- *To get a list of customers, trucks or materials when prompted for the customer, truck or material ID press "." on the keypad. The user can then scroll through the saved data using the following keys.*

*9 – left
0 – right
delete – up
+/- - down*

4.1 Stored trucks with a known tare weight

If the ID of the truck to be weighed has previously been saved in the indicator with a known tare weight, see **section 2.8.3.4**, a single weighing will suffice to print out a ticket including the Gross, Tare and Net weight. After entering a previously stored truck ID the screen will show:

```
TRUCK INFORMATION
ID: 20
TARE: 2000
NO | ACCEPT ? | YES
```

Here the tare weight can be accepted by pressing the quick key below **YES** or the user can return to the previous screen by pressing the quick key below **NO**.

After the truck ID has been entered the user will be prompted to enter the customer ID and then confirm that the chosen customer is correct.

After the customer ID has been entered the user will be prompted to enter the material ID and then confirm the chosen material is correct.

After all data has been confirmed the screen will alternate between:

```
TRK: 20
CUST: JOHN SMITH
MATR: CARROTS
NO | PRINT ? | YES
```

and:

```
1ST WGT 8920 LB
2ND WGT 2000 LB M
NET: 6920 LB
NO | PRINT ? | YES
```

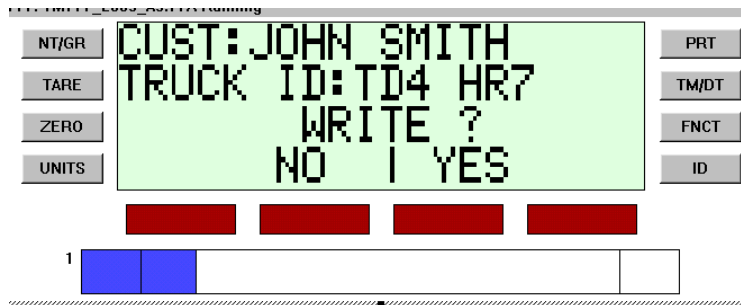
Pressing the quick key below **YES** will print a ticket. Pressing the quick key below **NO** will cancel the transaction.

4.2 Trucks without a known tare weight

After a truck has driven onto the weighbridge and the motion has settled (this will be indicated by a symbol in the top left-hand corner of the screen), as before the quick key below **WEIGH** can be pressed.

If a truck with an ID not stored in the indicator is to be weighed, for example it is a new vehicle going onto the weighbridge for the first time, two weighings will be required.

After entering the new truck ID and recalling all the customer and material details, as in **section 4.1**, the user will be prompted to confirm that the first weight is to be stored in the indicator. The screen will show:



After pressing the quick key below **YES**, the data will be stored and the indicator will prompt the truck to drive off the weighbridge.

When the truck returns to the weighbridge after emptying its load and its ID is entered again into the indicator, see **section 4.1**, the program will remember the ID and its first weight. After all details have been entered and the second weighing has taken place a ticket will be printed.