

# **TMS 800F PLUS MECHANICAL CONSOLE OPERATING INSTRUCTIONS**

## **HOW TO COMPLETE POST PAY (FILL UP) SALES**

1. Press SEL, then HOSE NUMBER button (hose number appears in the mode window).
2. Press the AUTH button (amount side of window shows zeros).

During the sale, a dollar amount registers in the amount window. When customer hangs up, the collect will flash and the total amount to be collected appears in the amount side of the window. If so programmed the collect beeper will sound.

3. Press the DISC button to toggle between the cash and credit value of the sale, when two-tier pricing is used.
4. When the desired value shows in the amount side of the window, press the corresponding CASH PAID, or CREDIT PAID button.
6. Press the print button to print a customer receipt if an optional printer is present.

## **HOW TO COMPLETE PRESET SALES**

1. Press SEL, then HOSE NUMBER button (hose number appears in the mode window).
2. Enter the requested amount (amount shows on the amount side of window).
3. Press the AUTH button (amount side of window shows zeros).

During the sale, a dollar amount registers in the amount window. When customer hangs up, the collect will flash and the total amount to be collected appears in the amount side of the window. If so programmed the collect beeper will sound.

4. Press the DISC button to toggle between the cash and credit value of the sale, when two-tier pricing is used.
5. When the desired value shows in the amount side of the window, press the corresponding CASH PAID, or CREDIT PAID button.
6. Press the print button to print a customer receipt if an optional printer is present.

## **HOW TO COMPLETE PREPAY SALES**

1. Press SEL, then HOSE NUMBER button (hose number appears in the mode window).
2. Enter the requested amount (amount shows on the amount side of window).
3. Press either the CASH PAID, or the CREDIT PAID button.
4. Press the AUTH button (amount side of window shows zeros).

During the sale, a dollar amount registers in the amount window. When customer hangs up, the collect light will not blink, and zeros appear in the amount side of the window. The collect light will not blink because the operator has previously collected the sale amount. If the customer does not receive the full-prepaid amount, press the CHNG button to view the change due, then press the appropriate PAID button after refund is paid to customer.

## **COMPLETING STACKED SALES**

1. Press SEL, then HOSE NUMBER button (hose number appears in the mode window).
2. Press the PREV button to alternate between the current and stacked sale.
3. Press the DISC button to toggle between the cash and credit value of the sale, when two-tier pricing is used.
4. When the desired value shows in the amount side of the window, press the corresponding CASH PAID, or CREDIT PAID button.
5. Press the print button to print a customer receipt if an optional printer is present.
6. Press the PREV button, or select another HOSE to return to normal operation.

If hose selected shows zeros on the amount side of the window, press PREV button to display the stacked sale amount.

## **HOW TO PRINT A RECEIPT**

After completing a sale using any method, the console will print a receipt showing the money and volume amounts for the last paid-out sale if the operator PRESSES the PRINT button.

## **HOW TO STOP PUMPING AT ALL HOSES**

Press the red EMER OFF button on the front of the console.

## **HOW TO STOP PUMPING AT ONE HOSE**

Press the desired HOSE NUMBER button, and press the PUMP STOP button. The customer must return the hose to the pump before the hose can be reauthorized.

## **HOW TO PRINT THE CURRENT SHIFT REPORT**

Select MODE 67 and press the PRINT button.

## **HOW TO PRINT THE PREVIOUS SHIFT REPORT**

Select MODE 77 and press the PRINT button.

## **HOW TO PRINT THE SECOND PREVIOUS SHIFT REPORT**

Select MODE 87 and press the PRINT button.

## **HOW TO PRINT THE NON-CLEARING ACCUMULATING TOTALS**

Select MODE 97 and press the PRINT button.

## THE BUTTONS AND THE MODE/AMOUNT DISPLAY WINDOW



### The 0 Through 9 Buttons:

Use while selecting different hoses and MODES, to enter prepay sale amounts, and to enter or read pump data.

#### **VOL:**

Press to display volume amounts. Price per unit must be programmed for console to show and maintain volume totals.

#### **PREV:**

Press this button to view the stacked sale and the light stays on. Press **PREV** again to toggle to the current sale and the light turns off.

NOTE: If a collect light blinks, and the display reads zero for that hose, press this button to display the stacked sale, and to collect it by pressing either the cash or credit paid button.

#### **CHNG:**

This button has three functions:

1. Press to enter (or change) programmed data into the console's memory.
2. Following an incomplete prepaid sale, press and hold **CHNG** to view the change (\$) due to the customer.
3. While a prepaid sale is being dispensed, press and hold **CHNG** to view the remaining amount of the sale.

#### **DISC:**

The DISC button has two functions:

1. Press this button to display the cash value of the post-pay sale in the COLLECT status. The dollar amount displayed will change only if a cash discount has been programmed into the console's memory.
2. During a sale press to view the amount preset for the position selected.

#### **SEL:**

The SEL button has two functions:

1. Press SEL, then the pump number to select a hose.
2. To select a programming or totals MODE, hold this button while pressing numbers on the keypad, and then release SEL.

#### **CREDIT PAID:**

Press to finalize a credit post-pay sale, or to authorize a prepay sale at the credit price.

#### **CASH PAID:**

Press to finalize a cash post-pay sale, or to authorize a prepay sale at the cash price.

#### **AUTH:**

Press after selecting pump number to authorize a sale. If the sale is to be a preset, or prepay sale, press after entering the amount.

#### **PUMP STOP:**

Press to de-authorize a hose, or stop a sale in progress at a particular hose.

#### **PRNT:**

Press to print a receipt for the last paid-out sale on hose selected, or to print reports for different MODES.

### **MODE Portion of the Display Window:**

The display window has a total of eight digits. The two left most digits are labeled "MODE" and display the hose or MODE number that has been selected by the operator.

### **AMOUNT Portion of the Display Window:**

The six right most digits display data for sales in progress, programmed data, and totals information stored in the console's memory for the hose or MODE selected.

## MODE DEFINITIONS IN NUMERICAL SEQUENCE

### MODES 1 TO 8 - DISPLAY SALES BY HOSE

The money amount for sales in progress, or waiting to be paid-out can be displayed when a hose number is selected. Hold the VOL button to view the volume amount for the hose selected.

### MODES 11 TO 18 - VIEW THE LAST PAID OUT SALE

The console can display the money and volume amounts for the last paid-out sale. The same information can be printed by pressing SEL, hose #, then PRINT. The printer always prints the last paid-out sale.

1. Select the desired MODE:

MODE 11 = Hose 1  
MODE 12 = Hose 2  
MODE 13 = Hose 3  
MODE 14 = Hose 4  
MODE 15 = Hose 5  
MODE 16 = Hose 6  
MODE 17 = Hose 7  
MODE 18 = Hose 8

2. Hold the VOL button to display the volume amount for that sale.
3. Repeat steps 1 and 2 as needed.

### MODE 20 - PRINT PROGRAMMED DATA REPORT

If a printer is installed, select MODE 20 and press print. This printout will confirm data programmed into the console's memory.

### MODES 21 TO 28 - SET HOSE PRICE PER UNIT

Programming the prices allows the console to maintain volume totals for individual sales, and for shift and accumulating total reports.

1. Select the appropriate MODE.

MODE 21 = hose 1  
MODE 22 = hose 2  
MODE 23 = hose 3  
MODE 24 = hose 4  
MODE 25 = hose 5  
MODE 26 = hose 6  
MODE 27 = hose 7  
MODE 28 = hose 8

2. Enter the current price.
3. Press the CHNG button.
4. Repeat steps 1 through 3 for all hoses in use.

### MODE 30 AND 31 - CALL AND COLLECT BEEPER

The console acknowledges a button being pressed by emitting a beep. The console can use this "beeper" to alert the operator to a call for authorization, or that a sale needs to be paid-out (collect). The call and collect beeps can be changed if desired.

To change the call and collect beeps from a repeating beep (default), to a single beep, or no beep at all, follow these steps:

1. Select the desired MODE:

MODE 30 = The CALL beeper  
MODE 31 = The COLLECT beeper

2. Enter the new setting:

00 = repeating beep (default)  
01 = for a single slow beep  
02 = no beep

3. Press the CHNG button.

### MODE 32 - SET PRESET SLOWDOWN POINT

The amount in MODE 32 (01 to 99 pennies) determines when the console will "turn off" the main valve, to slow the rate of fuel during preset/prepaid sales. Increase the slowdown point if sales over-run.

1. Select MODE 32.
2. Enter a number between 01 and 99 (default = 25).
3. Press the CHNG button.

### MODE 35 - CONSOLE TIME CLOCK

The time is entered in Military fashion (9:00 AM = 0900, 9:00 PM = 2100). The time appears in the standard format on all printouts.

1. Select MODE 35.
2. Enter the time in Military fashion.
3. Press CHNG button.

### MODE 36 - VIEW, OR SET DATE IN THE CONSOLE

The date is displayed as a six-digit number using the following format MM:DD:YY (September 22, 1999 = 092299).

1. Select MODE 36.
2. Enter the new date as a six-digit number.
3. Press CHNG button.

### MODE 37 - CONSOLE BAUD RATE

The console can communicate at two baud rates. If printed reports are illegible, change the baud rate in the console.

1. Select MODE 37.
2. Change the setting:

00 = 600 baud  
01 = 2400 baud (default)

3. Press the CHNG button.
- 4.

### MODE 40 - CHANGE SHIFTS

MODE 40 moves the present shift information into the previous shift location, and then prints the data if a printer is coupled to the console. This action also resets the present shift totals to zero to start the next shift.

1. Select MODE 40.
2. Press and hold the CHNG button.

### MODES 51 THROUGH 58 - SELF OR FULL SERVICE

Using the 50s MODES each hose can be set to self or full service operation.

Select the desired MODE:

MODE 51 = pump 1  
MODE 52 = pump 2  
MODE 53 = pump 3  
MODE 54 = pump 4  
MODE 55 = pump 5  
MODE 56 = pump 6  
MODE 57 = pump 7  
MODE 58 = pump 8

2. Enter either:

00 = self service (default)  
01 = full service

3. Press CHNG button.
4. Repeat steps 1 through 3 as needed.

### MODES 60 THROUGH 66 PRESENT SHIFT TOTALS

The 60's MODES display the totals for the sales that are completed during the present/current shift, from initial start-up, or since the last shift change. To print these totals on a report, Select MODE 67, then press the PRINT button.

- MODE 60** Display the total of the cash and credit sales.
- MODE 61** Display the total of only the cash sales.
- MODE 62** Display the total of only the credit sales.
- MODE 63** Display the total of the sales as if they were sold at full price.
- MODE 64** Display the total of volume pumped.
- MODE 65** The time the current shift started.
- MODE 66** The date the current shift started.

To view the individual hoses totals select the desired MODE, then HOLD the desired HOSE NUMBER.

### HOW TO DISPLAY THE PREVIOUS SHIFT TOTALS

The 70's MODES display the totals for the sales that were completed during the previous shift. To print these totals on a report, Select MODE 77, then press the PRINT button.

- MODE 70** Display the total of the cash and credit sales.
- MODE 71** Display the total of only the cash sales.
- MODE 72** Display the total of only the credit sales.
- MODE 73** Display the total of the sales as if they were sold at full price.
- MODE 74** Display the total volume pumped from each hose.
- MODE 75** The time the previous shift started.
- MODE 76** The date the previous shift started.

To view the individual hoses totals select the desired MODE, then HOLD the desired HOSE NUMBER.

### MODES 80 THROUGH 86 SECOND PREVIOUS SHIFT

The 80's MODES display the totals for the sales that were completed during the second previous shift. To print these totals on a report, Select MODE 87, then press the PRINT button.

- MODE 80** Display the grand total of the cash and credit sales.
- MODE 81** Display the grand total of only the cash sales.
- MODE 82** Display the grand total of only the credit sales.
- MODE 83** Display the total of the sales as if they were sold at full price.
- MODE 84** Display the total volume pumped from each hose.
- MODE 85** The time the previous shift started.
- MODE 86** The date the previous shift started.

To view the individual hoses totals select the desired MODE, then HOLD the desired HOSE NUMBER.

### MODES 90 THROUGH 96 NON-CLEARING TOTALS

The 90s MODES display the totals for the sales that were completed including all the present and all previous shifts combined. To print these totals on a report, Select MODE 97, then press the PRINT button.

- MODE 90** Display the grand total of the cash and credit sales.
- MODE 91** Display the grand total of only the cash sales.
- MODE 92** Display the grand total of only the credit sales.
- MODE 93** Display the grand total of the volume dispensed.
- MODE 94** Display the total volume pumped from each hose.

To view the individual hoses totals select the desired MODE, then HOLD the desired HOSE NUMBER.

## QUICK REFERENCE TO SOLVING NON-TECHNICAL PROBLEMS

**NO POWER SYMPTOMS AT CONSOLE** - If " P P P P P P P P " is displayed or flashes on any TMS console after the key switch is turned on, confirm the cable is plugged securely into the back of the console, and that the breaker to the TMS system is turned on. IF CONSOLE CONTINUES TO SHOW NO POWER SYMPTOMS - TURN THE KEY SWITCH OFF AND SEEK HELP FROM A TRAINED PUMP TECHNICIAN.

**NO AUDIBLE BEEP FOR CALL OR COLLECT LIGHTS** - The console's programming has been changed. See specific operator's guide to reset beeper setting.

**REMEMBER:**

HOLD **SEL** BUTTON DOWN WHILE PRESSING MODE NUMBERS. WHEN CORRECT MODE IS ACHIEVED, RELEASE **SEL** AND PRESS DESIRED CODE.

**DOLLAR AMOUNT SHOWS BUT NO VOLUME IS DISPLAYED ON INDIVIDUAL SALES OR TOTALS** - Confirm the price per unit volume has been programmed into the console's memory. See specific operator's guide for programming instructions.

**DOLLAR AMOUNT SHOWS BUT A DISCOUNTED AMOUNT CANNOT BE DISPLAYED** -

Confirm a discount per unit, along with the price per unit volume or both the cash and a credit price has been programmed into the console's memory. See specific operator's guide for programming instructions.

**HOSE DELIVERS MORE FUEL THAN CONSOLE WAS SET FOR ON PRESET/PREPAID SALES ON ALL HOSES** - Increase the VALVE SLOWDOWN POINT amount programmed in the console's memory. See specific operator's guide for programming instructions.

**ELECTRICAL NOISE AND WHAT TO DO** - Voltage spikes, electrical storms and power blinks can cause electrical noise.

**NOTE:**

IF TURNING THE CONSOLE KEY OFF, WAITING FOR A FEW MINUTES, AND TURNING IT BACK ON SEEMS TO HAVE SOLVED THE PROBLEM, ELECTRICAL NOISE HAS AFFECTED THE CONSOLE AND A HARD CLEAR IS NECESSARY.

**NO PRINT** - Confirm all cable connections are tight. Confirm both green lights on the printer are turned on. Press the **SEL** button on the printer to turn the **SEL/ALARM** light on. If the SEL/ALARM light is flashing, the printer's "low paper sensor" may be activated. After confirming the paper roll is 3 inches wide and that it is properly positioned, press the SEL button on the printer repeatedly until the SEL/ALARM light stays on. If the printer still will not print, replace the paper with a full roll, or seek help from a trained technician.

**NO HEADER PRINTS** - The 800F and TMS-16 consoles read the header chip ONLY during power-up. Using the A126 key, turn the console off, plug the memory chip WITH THE PAPER LABEL FACING UP into the back of the console above where the IC cable plugs in. Turn the console on, select a hose number and press the print button. **IF THE HEADER STILL DOES NOT PRINT, ORDER ANOTHER TMS-11 HEADER CHIP.**

**NOTE:** THE HEADER CHIP WILL BE DAMAGED IF PLUGGED IN UPSIDE DOWN.

FUNCTION	MODE	DESCRIPTION
Operating	1 - 8	Display current sale and hose control (01 = hose 1, 02 = hose 2, etc...).
	11 - 18	Display previous paid-out sale (11 = hose 1, 12 = hose 2, etc...)
	40	Perform SHIFT CHANGE.
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Program	21 - 28	Display/change price per gallon (21 = hose 1, 22 = hose 2, etc...).
	30	Display/change CALL audio alert beep**.
	31	Display/change COLLECT audio alert beep**.
	32	Display/change pre-pay SLOWDOWN POINT for all hoses
	33	Display/change cents per gallon DISCOUNT.
	35	Display/change TIME.
	36	Display/change DATE.
	36	Display/change printer BAUD RATE.
	51 - 58	Self SERVICE / FULL SERVICE operation (51 = hose 1, 52 = hose 2, etc...)
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Accumulating Totals	Display	90 Cash and Credit total*
		91 Cash only total*
		92 Credit only total*
		93 Totalizer (\$ pump) total*
		94 Volume (pump) total*
	Print	97 Totals report
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Shift Totals	Display PRESENT 60	Cash and Credit total*
		61 Cash only total*
		62 Credit only total*
		63 Totalizer (\$ pump) total*
		64 Volume (pump) total
		65 Time shift started
	Print PRESENT	66 Date shift ended started
		67 Totals report
	Display PREVIOUS 70	Cash and Credit total*
		71 Cash only total*
		72 Credit only total*
		73 Totalizer (\$ pump) total*
		74 Volume (pump) total*
		75 Time shift started
	Print PREVIOUS	76 Date shift started
		77 Totals report
	Display 2nd PREVIOUS	80 Cash and Credit total*
		81 Cash only total*
82 Credit only total*		
83 Totalizer (\$ pump) total*		
84 Volume (pump) total*		
85 Time shift started		
Print 2nd PREVIOUS	86 Date shift started	
	87 Totals report	

\*\* 00 = repeating beep (default)  
01 = for a single slow beep  
02 = no beep

\*To view individual hose totals by selecting the desired MODE, and then HOLD a HOSE NUMBER button for individual hoses.