



OPERATORS MANUAL

**MODEL 1860 SERIES SCALE
MODEL 18VP PRINTER**

MODEL 1860 SERIES SCALE & MODEL 18VP PRINTER

SAVE THESE INSTRUCTIONS

GENERAL

The Model 1860 Series Scale is a PLU (Price Look-up) scale, capable of storing information on as many as 406 items (with description) or 1165 items (without description), as well as totals data for each item. Each item record consists of a PLU code, a UPC number, item description, item class, tare weight, the price per unit (either weight or by count), and shelf life. The 1860F and 1860EDF feature fractional-pound pricing capabilities. The 1860M and 1860EDM feature multiple pound pricing capabilities. The 1860EDF and 1860EDM feature an elevated display.

The Model 18VP Printer utilizes a thermal-print method of printing labels and, therefore, requires no ink or ribbon. The printer uses thermal-print labels with a preprinted format. Additional information (i.e., store logo, address, etc.) can be included on preprinted labels.

The unit requires a dedicated power supply circuit of 115 volts. When the scale is turned off, memory is maintained by a battery for a minimum of 300 hours.

CONTROLS

PRINTER

Power to the printer is controlled by the *On-Off* switch (Fig. 1). The pilot light (Fig. 1) will glow when the switch is *On*.

SCALE

Power to the scale is controlled by the *On-Off/Rezero* switch (Fig. 2). To rezero the scale, turn the switch *Off* momentarily, then back *On*.

The *Void* button (Fig. 2) is used to prevent data from the previous transaction from being added to the totals files.

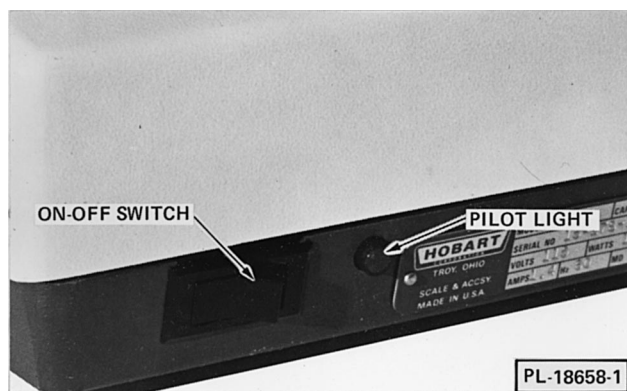


Fig. 1

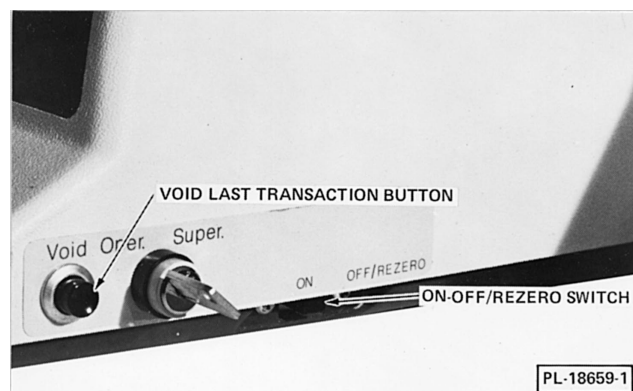


Fig. 2

The key shown in Fig. 2 is required to gain access to supervisor functions, which are explained in a separate Supervisor Manual.

Scale Keyboard

Operational functions are executed using the scale keyboard. Active keys will make an audible tone when touched. Each key is listed below, along with its operator mode function(s).

0-9 — These keys enter numerical digits into the display.

1/4# — This key initiates 1/4-pound price (1860F/EDF only).

1/2# — This key initiates 1/2-pound price (1860F/EDF only).

1# — This key initiates whole-pound price (1860F/EDF only).

lbs. for — This key enters the “pounds for” modifier for multiple-pound pricing (1860M/EDM only).

Price — If no PLU code has been entered, this key calls up PLU code 9991 for a general weight price entry.

If a PLU code has been entered, this key clears the previous price for entry of a new price.

Tare — If no PLU code has been entered, this key calls up PLU code 9991 for a general weight price entry.

If a PLU code has been entered, this key clears the previous tare weight for entry of a new tare weight.

By Count — If no PLU code has been entered, this key calls up PLU code 9990 for a general by-count price entry.

If a by-count PLU code has been entered, this key clears the previous by-count quantity for entry of a new quantity.

Enter Hold/Date — If no PLU code has been entered, this key allows entry of a new date and accepts a newly entered date.

If a PLU code has been entered this key selects the Prepack Mode.

Clear Code/Date — When entering a date, this key clears erroneously entered digits.

If a PLU code has been entered, this key clears the code-related information.

Print/PLU — When a PLU code has been entered into the display, this key initiates the look-up of that item record.

This key initiates a print cycle.

OPERATION

The OPERATION section is broken down into four basic parts.

The POWER UP SEQUENCE must be executed each time the scale is turned on (except when re-zeroing the scale).

NORMAL OPERATION explains the normal routine for labeling products.

NON-LOADED PRODUCT LABELING explains the procedure for generating labels for products that have not been loaded into the item file.

OVERRIDE OF PRE-LOADED DATA explains how to temporarily change data that is part of an item record.

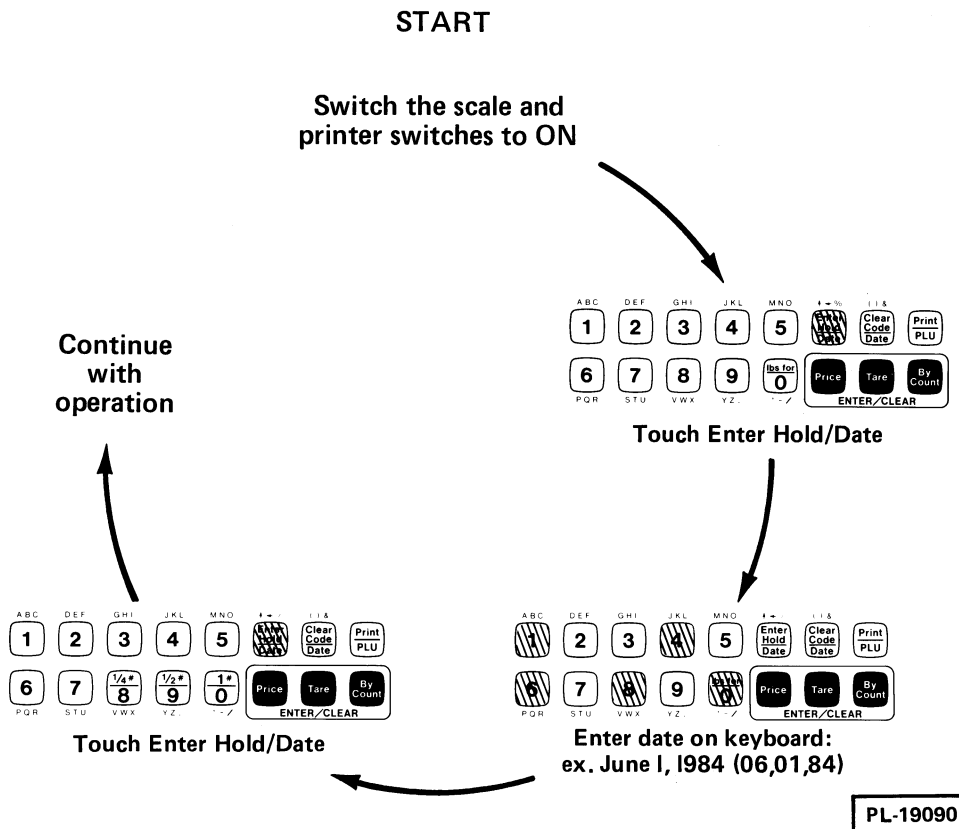
POWER UP SEQUENCE

To begin operation, turn the printer *On-Off* switch and the scale *On-Off/Rezero* switch *On*.

The POWER UP SEQUENCE merely consists of entering the date, and is executed as shown in the diagram below.

If you do not want the date to be printed on the labels, skip the Power Up Sequence and continue with operation.

If the prompt DEL ALL FILES is displayed on the scale readout, refer to the TROUBLESHOOTING section on page 10 of this manual.



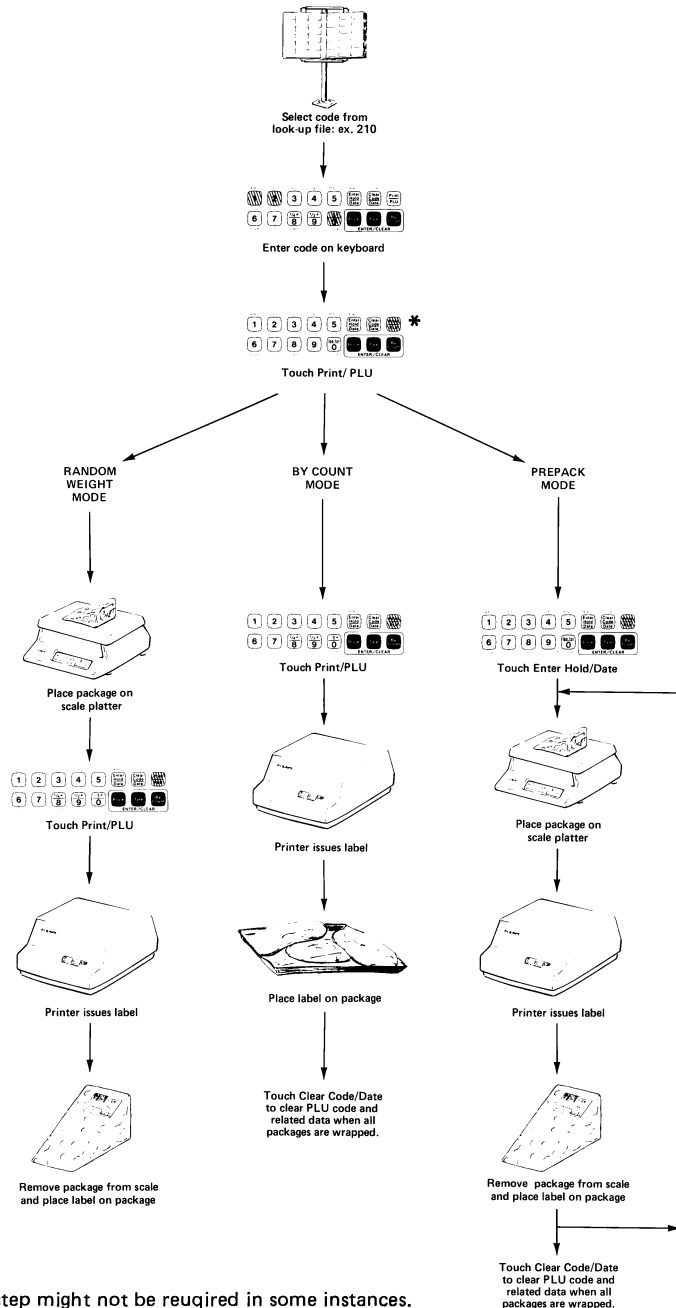
NORMAL OPERATION

Three modes of normal operation are available. The Random Weight Mode is utilized when you are labeling different products, the Prepack Mode is for use when you are labeling a large quantity of the same product, and the By Count Mode is for items that are sold by count instead of weight.

In the Random Weight Mode and the By Count Mode, label printing is initiated by touching the *Print/PLU* key. In the Random Weight Mode the PLU code and all related information are **cleared** when the package is removed from the scale platter. In the By Count Mode, the PLU code and related information are cleared by touching the *Clear Code/Date* key.

In the Prepack Mode, label printing is initiated by placing a package on the scale platter. When the package is removed, the PLU code and related information are retained until the *Clear Code/Date* key is touched.

The following diagram illustrates the normal modes of operation.



PL-19091

NON-LOADED PRODUCT LABELING (If Available)

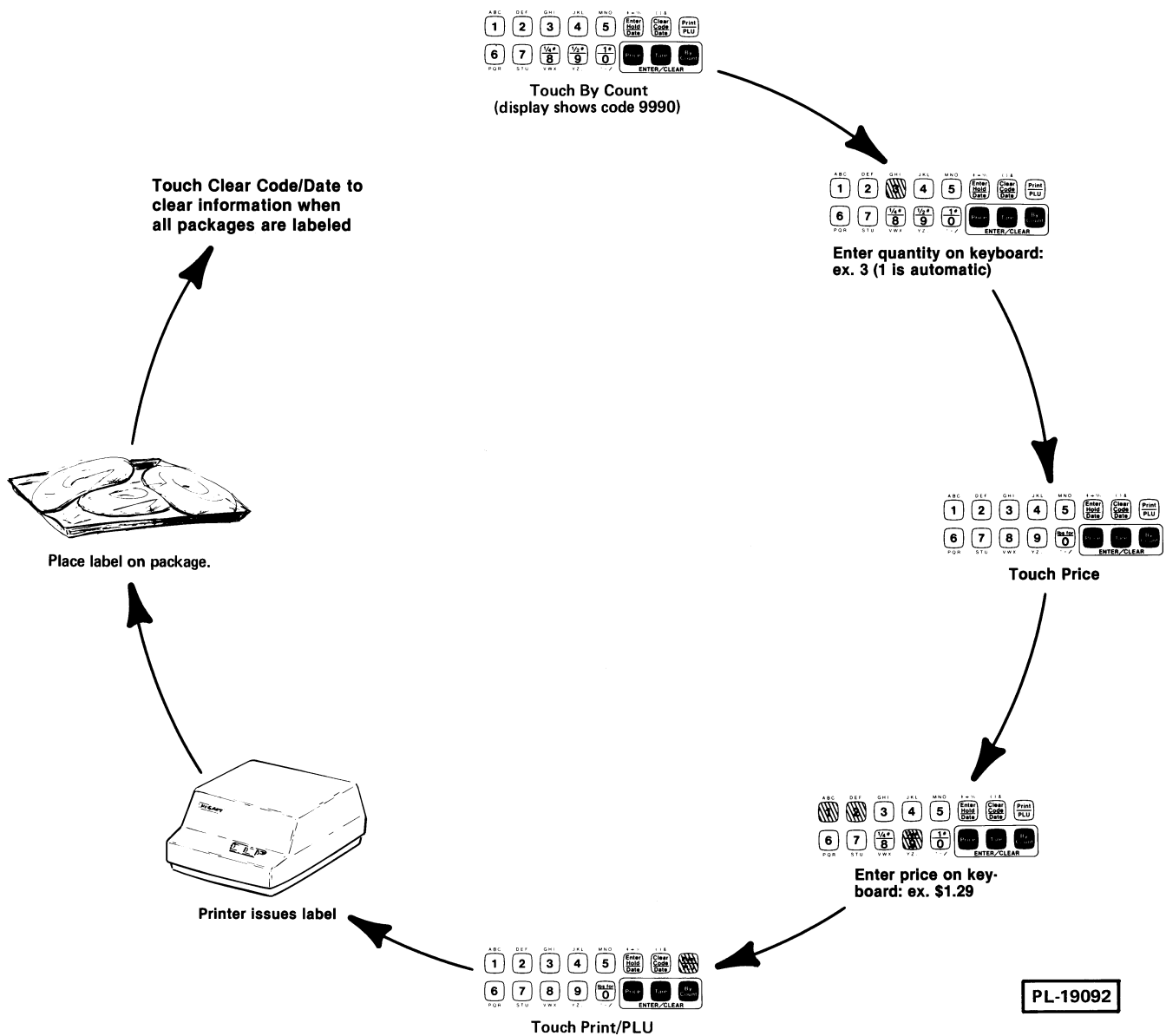
Miscellaneous items not stored under a PLU code in the item file can be labeled. There are two PLU codes (9990 & 9991) set aside for such products.

If the item is to be priced by count, touch *By Count* to automatically call up PLU code 9990. You may then enter a quantity and price to be printed on the label. A quantity of 1 is automatically selected by the scale and can be changed, if desired, by touching the appropriate number(s) on the keyboard.

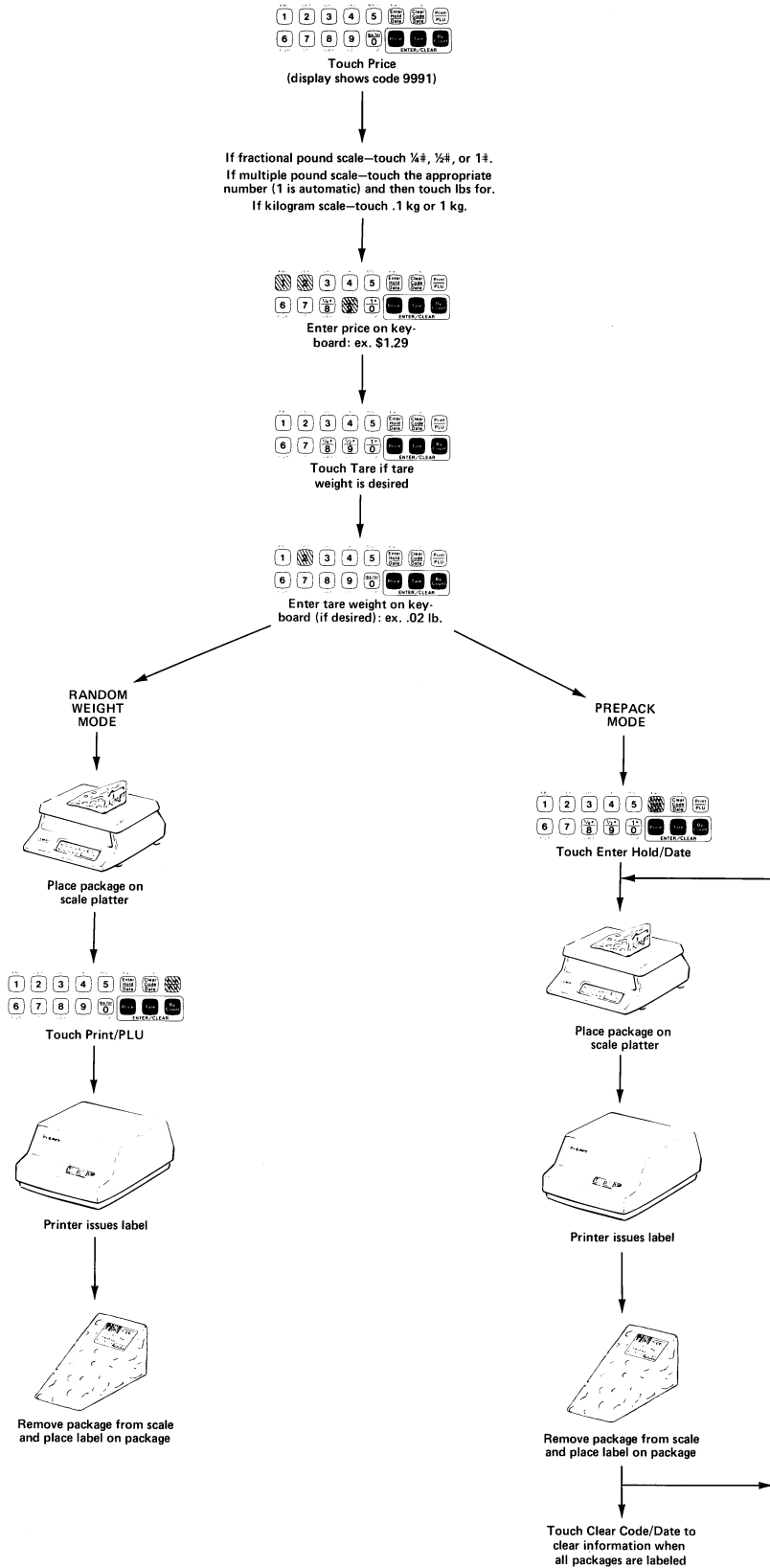
If the item is to be priced by weight, touch *Price* or *Tare* to automatically call up PLU code 9991. You may then enter the price per unit of weight and a tare weight.

The following diagrams illustrate how to obtain labels for miscellaneous items.

TO USE BY COUNT KEY FOR MISCELLANEOUS BY COUNT ITEMS

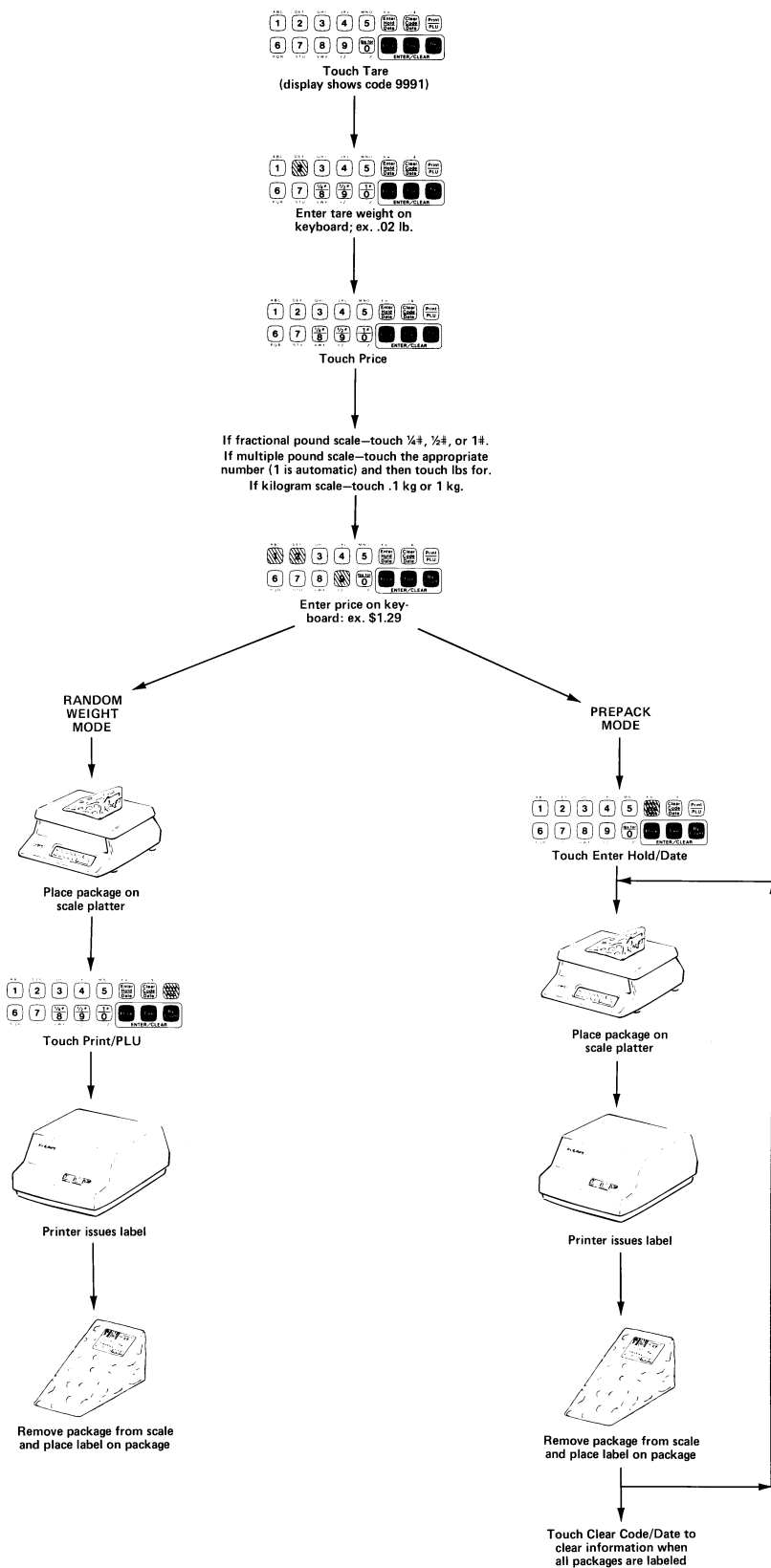


TO USE PRICE KEY FOR MISCELLANEOUS WEIGHT ITEMS



PL-19093

TO USE TARE KEY FOR MISCELLANEOUS WEIGHT ITEMS

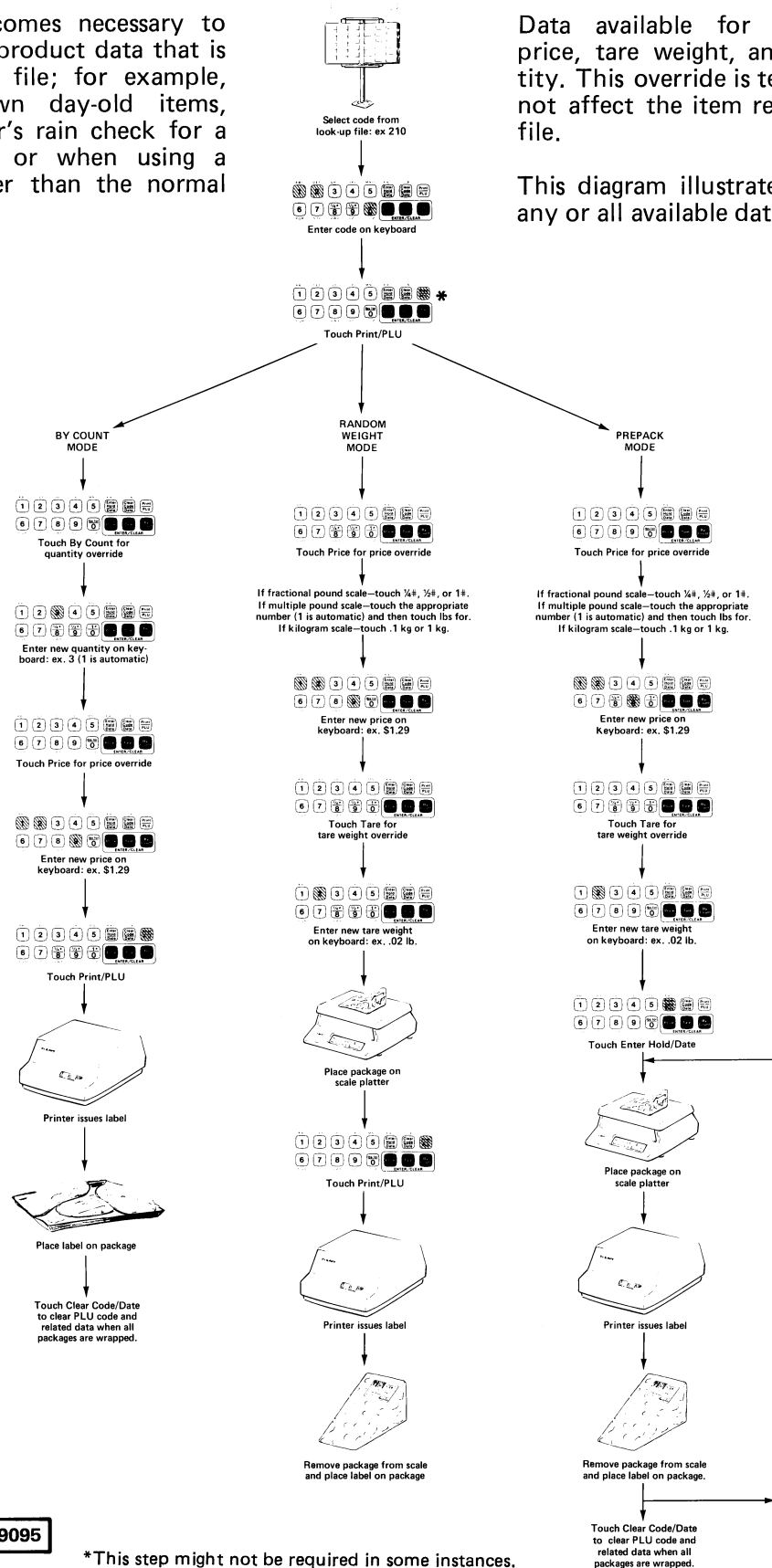


OVERRIDE OF PRE-LOADED DATA (If Available)

Occasionally, it becomes necessary to temporarily change product data that is stored in the item file; for example, when marking down day-old items, honoring a customer's rain check for a previous sale item, or when using a packaging tray other than the normal one.

Data available for override includes price, tare weight, and by count quantity. This override is temporary and does not affect the item record stored in the file.

This diagram illustrates how to override any or all available data.



PL-19095

MAINTENANCE

CLEANING

Using a cloth, dampened (not soaked) with a mild soap solution, wipe the exterior of both units to remove dust and food soil. DO NOT use harsh detergents or abrasive cleansers.

CHANGING LABEL ROLL

When the label supply is depleted, the printer pilot light will flash and the prompt OUT OF LABELS will be displayed by the scale.

To replace the label roll, turn off the printer, unlatch and raise the printer cover, and follow the instructions attached to the inside of the cover.

TROUBLESHOOTING

ERROR MESSAGES

This section contains explanations of error messages, which appear in the scale display in the event of an erroneous entry or if operator attention is required. Where applicable, the necessary operator action is also listed.

DEL ALL FILES –	This indicates that the battery (which supplies power for memory retention when the scale is turned off) has nearly been exhausted and, as a result, the integrity of the memory is questionable. The memory can either be retained (for supervisor's review) by touching <i>Clear Code/Date</i> , or deleted by touching <i>Enter Hold/Date</i> , at which time the entire file will have to be reloaded.
INVALID CHAR –	The printer has received an invalid print character for a given field (e.g. a letter where a number should be or vice versa). The item record should be examined by the supervisor for accuracy.
NO RECORD –	The PLU code which was entered is not in the file. Check and re-enter number.
OUT OF LABELS –	The label stock is depleted. Replace label roll and continue operation.
PRINTER ERROR –	Touch <i>Clear Code/Date</i> and try printing again. If message reappears, turn the printer off and back on and try printing again. If message appears again, turn the scale off and back on and try printing again. If message persists, contact your local Hobart Service Office.
PRINTER OFF –	Turn on the printer and continue operation.
PRNTR COMM ERROR –	There has been an error in communication between the scale and printer. Touch <i>Clear Code/Date</i> and try printing again. If message persists, check interconnecting cables to assure they are secure.
SCALE WARMUP –	Scale components are warming up for operation. If dashes appear in the weight display, clear the scale platter.
WRONG PAPER –	This indicates that the printer is loaded with thermal-print adding machine paper instead of the proper label stock. Change paper and continue operation.

If dashes appear in the total price display, the price is over capacity.

If dashes appear in the tare weight display, a tare weight will have to be entered before proceeding with operation. If a tare weight has already been entered, dashes indicate that it is over capacity.

If dashes appear in the weight display and the prompt SCALE WARMUP is not displayed, the weight on the scale platter exceeds scale capacity.

GLOSSARY

Item File — A series of item records stored in the scale memory.

Item Record — The information about each item that is stored in the scale memory.

Loaded — Entered into the memory.

PLU Code — This is the number assigned to each item which is used to call up an item for labeling.

Prompt — A displayed instruction or message from the scale.

Tare — Weight of packaging material (tray, film, soaker pad, etc.) for which the customer does not pay.

UPC (Universal Product Code) — The bar code symbol which can be scanned at the check-out counter.

Warning: This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.