

# JetSort®

HIGH SPEED COIN SORTER/COUNTER

## OPERATING INSTRUCTIONS

MODELS

3601

4601

6601



**CA CUMMINS**  
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## JETSORT SPECIFICATIONS

### 3601/4601

**Accuracy:** 99.995+%

**Denominations:** 1 ¢, 5¢, 10¢, 25¢, 50¢, \$1 Susan B. Anthony

**Pre-Set Limits:** Full, Half, None

**Power:** 115V, 60 Hz or 220V, 50 Hz

**Mixed Speed:** 3,000 coins per minute  
Coin Mix: 50% Quarters  
33% Dimes  
17% Nickels

**Denomination Speed:** Dimes; 4,500 coins per minute  
Pennies; 3,800 coins per minute  
Nickels; 2,700 coins per minute  
Quarters; 2,000 coins per minute

<b>Tray Capacity:</b>	<b>Inspection Tray</b>	<b>Lift Tray</b>
	Dimes; 8,000 coins	Dimes; 12,500 coins
	Pennies; 5,000 coins	Pennies; 9,000 coins
	Nickels; 4,000 coins	Nickels; 5,000 coins
	Quarters; 3,500 coins	Quarters; 5,000 coins

### 3601

**Coin Collection:** 6 Boxes/Bags – Need to be ordered separately.

**Dimensions:** 18" H x 20" W x 20" D

**Weight:** 150 lbs.

### 4601

**Coin Collection:** 6 Bags/Built-in Stand

**Dimensions:** 38" H x 21 -1/2" W x 21" D

**Weight:** 125 lbs.

## JETSORT SPECIFICATIONS

### 6601

<b>Accuracy:</b>	99.995+%
<b>Denominations:</b>	1 ¢, 5¢, 10¢, 25¢, 50¢, \$1 Susan B. Anthony
<b>Pre-Set Limits:</b>	Full, Half, None
<b>Power:</b>	115V, 60 Hz or 220V, 50 Hz
<b>Mixed Speed:</b>	6,000 coins per minute Coin Mix: 50% Quarters 33% Dimes 17% Nickels
<b>Denomination Speed:</b>	Dimes; 10,000 coins per minute Pennies; 9,500 coins per minute Nickels; 6,000 coins per minute Quarters; 5,000 coins per minute
<b>Tray Capacity:</b>	Lift Tray Dimes; 12,500 coins Pennies; 9,000 coins Nickels; 5,000 coins Quarters; 5,000 coins
<b>Coin Collection:</b>	6 Bags/Built-in stand
<b>Dimensions:</b>	38" H x 26" W x 22" D
<b>Weight:</b>	252 lbs.

## JETSORT SPECIFICATIONS

### MACHINE OPTIONS (3601/4601):

Option	Part Number
Inspection Tray*	(600-0252-02)
Lift Tray*	(600-0524-02)
Security Doors	(600-1051-01)
Magnet	(600-0453-01)
Replacement Sort Pad	(600-0126-00)
Printer Tray	(620-0318-01)
Citizen Printer Standard Speed Model 562	(122-0232-01)
Citizen Printer High Speed Model 3535	(122-0267-01)
External Cable (Printer, Remote Display, Computer)	(750-0657-01)
Printer RS-232 Serial Adapter (25 Pin Male)	(406-0173-01)
Computer RS-232 Serial Adapter (25 Pin Female)	(406-0178-01)
Computer RS-232 Serial Adapter (9 Pin Female)	(406-0176-01)
Remote Display Assembly	(406-0193-01)

### MACHINE OPTIONS (3601):

Option	Part Number
Coin Box**	(600-0146-01)
Bag Adapter - Short**	(600-0466-02)
Bag Adapter - Long**	(600-0465-02)
Table Mount	(600-0487-01)
Bag Support	(600-0488-01)
Security Stand	(600-0770-01)
Door for Security Stand	(600-0771-01)

\* You must order a tray with the machine, i.e. trays are not included as standard equipment.

\*\* You must order coin boxes and /or bag adapters with the machine.

### MACHINE OPTIONS (6601):

Option	Part Number
Replacement Sort Pad	(700-0172-00)
Printer Tray	(620-0318-01)
Citizen Printer Standard Speed Printer	(122-0232-01)
Citizen Printer High Speed Printer	(122-0267-01)
External Cable	(750-0657-01)
(Printer, Computer, Remote Display, Bar Code Wand)	
Printer Serial Adapter (25 Pin Male)	(406-0173-01)
Computer Serial Adapter (25 Pin Female)	(406-0178-01)
Computer Serial Adapter (9 Pin Female)	(406-0176-01)
Printer Cable DB9 to DB25	(620-0640-01)
Computer Cable DB9 to DB9	(620-0641-01)
Computer Cable DB9 to DB25	(620-0642-01)
Remote Display Assembly	(406-0193-01)

## JETSORT SPECIFICATIONS

### MACHINE OPTIONS (6601) CONT:

Option	Part Number
Remote Display Mast.....	(620-0442-01)
Bar Code Scanning Wand.....	(600-0775-00)
Bar Code Scanning Wand Adapter .....	(406-0544-01)
(used with Cable 750-0657-01)	
JetScan/JetCount Interface Cable.....	(600-1122-01)

### MACHINE SOFTWARE(3601/4601/6601):

Kit	Description	Part Number
1	Currency, ID, PJS, Data Entry .....	(600-1060-01)
	Communications hardware/software	
	Remote Display software	
	Bar Code software	
2	Communications hardware/software.....	(600-1060-02)
3	Currency, ID, PJS entry .....	(600-1060-03)
4	Currency, ID, PJS entry .....	(600-1060-04)
	Remote Display software	
7	Currency, ID, PJS, Data Entry .....	(600-1060-07)
	Communications hardware/software	
	Remote Display software	
	Bar Code software	
	JetScan/JetCount software	
8	Currency, ID, PJS, Data Entry .....	(600-1060-08)
	Communications hardware/software	
	Remote Display software	
	Bar Code software	
	CTOCS software	
9	Currency, ID, PJS, Data Entry .....	(600-1060-09)
	Communications hardware/software	
	Remote Display software	
	JetCash software	

## Section I

# JETSORT OPERATIONS

### ABOUT JETSORT

The Cummins JetSort is a high-volume coin sorter/counter that combines high speed, accuracy and reliability. To add to its versatility, Cummins offers additional software modules to enhance the JetSort's features. Among these enhancements are:

- Programmable JetStops (PJS)
- Currency, Check & Miscellaneous Data Entry
- Labels
- ID Tracking (Long Term Memory)
- Printer Interface
- Computer Interface
- Remote Display Interface
- JetCount Interface
- JetScan Interface
- Bar Code Gun & Wand Interface

In more detail, these optional software enhancements are:

- |                                 |  |
|---------------------------------|--|
| <b>Data Entry –</b>             | Allows you to enter data for Labels, IDs, Declared Balances for Batches and Sub-Batches, and other receipts (values for Currency, Checks and Miscellaneous items).   |
| <b>Programmable Jet Stops –</b> | Allows you to set and save individual coin bag limits for up to 25 files.  |
| <b>Labels –</b>                 | Allows you to identify an operator, a route, a type of account, or any other characteristic you wish to monitor. Labels can be customized to reflect user-specific terminology both on the display and when output to a printer.   |
| <b>IDs –</b>                    | Allows entry of up to 150 different ID types in long-term memory. IDs can be designated for teller, product, machine, or any other item desired by the user. IDs can be customized to reflect user specific terminology both on the display and when output to a printer. Number designated must be between 1-150. If a number is entered that is above 150 (example: 151), JetSort will alert user with a message stating invalid number. |



## Section I

# JETSORT OPERATIONS

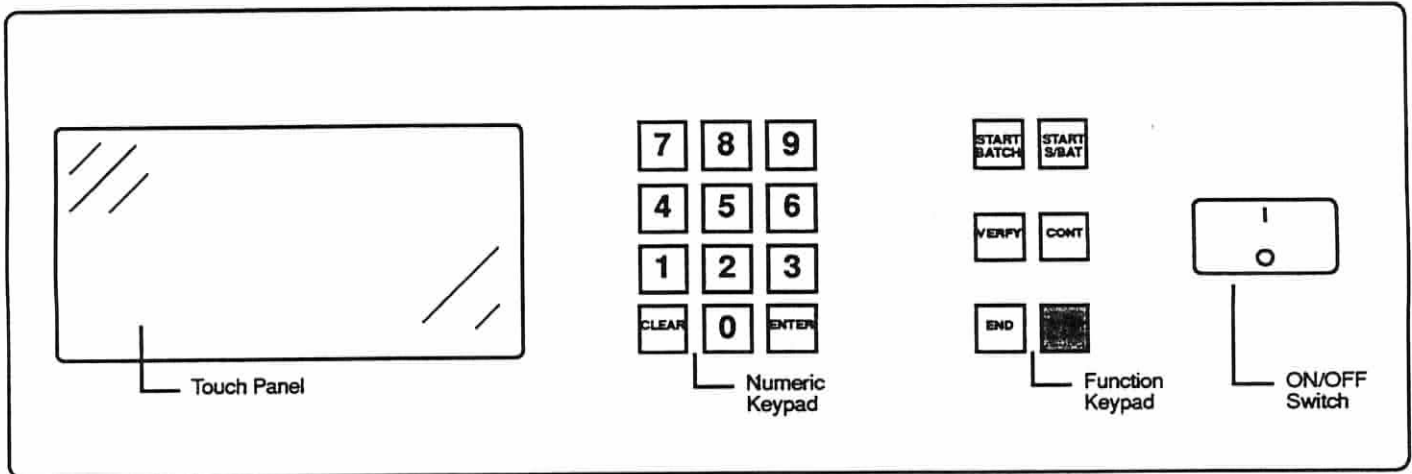
- Communications** – Allows you to connect your JetSort to an external computer or printer.
- Remote Display** – Allows for connection to a Cummins' LED remote display with large characters that are easily seen from a distance.
- JetScan Interface** – Allows for connection of a JetScan to a JetSort for complete automation and consolidated reporting of coin and currency processing.
- JetCount Interface** – Allows you to integrate a Cummins' JetCount with the JetSort for complete automation and consolidated reporting of coin and currency processing.
- Bar Code Interface** – Allows for connection of a Bar Code Wand and Bar Code Gun for expedient data entry into label fields.

The JetSort is designed to provide a wide range of programmable features to meet your specific needs. The performance of your JetSort will depend to some extent upon which features are incorporated into the specific machine you are operating. Its operation and the appearance of certain screens may also be affected by standard pre-programmed features built into the JetSort.

Some operations and displays described here may not be consistent with those shown on your machine. Your JetSort operation may vary depending on how it is configured and which features are enabled or disabled. See specific feature descriptions (beginning on page 36, JetSort Set-up Section II) for more information.

## Section I

# JETSORT OPERATIONS



### THE JETSORT CONTROL PANEL

The control panel of the JetSort consists of a touch panel keyboard and display, a 12-key numeric keypad, six function keys, and an ON/OFF switch.

The JetSort Touch Panel is the primary interface for setting up and saving operation mode configurations (see page 36).

The Numeric Key Pad (numerals 0-9, CLEAR and ENTER) is used for entering numeric data and clearing values as required.

The six Function Keys are used to start a Batch <START BATCH>, start a Sub-Batch <START S/BAT>, verify counts <VERIFY>, continue sorting <CONT>, end Batches and Sub-Batches <END> and STOP the JetSort <RED KEY>.

### OPERATING YOUR JETSORT

Before turning on the power, check to make certain that there is a bag in place for each denomination to be counted.

Turn on the main power switch located on the far right side of the Control Panel.

Press the **START BATCH** key.

Feed coin from the inspection tray into the sorting chamber. A new Batch or Sub-Batch is created by ending the previous, and pressing the **START BATCH** or **START S/BAT** keys.

## Section I

# JETSORT OPERATIONS

### JETSORT FEATURES

Once you begin, you may be prompted for additional information which can be entered while coin is being sorted. The prompts you will receive depend on which features were enabled during installation, but may include:

- BAT DECL BAL or SBAT DECL BAL** – Allows you to key in expected totals in order to compare them to actual monies sorted and counted.
- BILCNT** – Allows you to connect JetScan to JetSort when set to AUTO or DEMND.
- CHECK** – Allows you to enter values for checks as part of monies received.
- CURRENCY** – Allows you to enter values for paper currency as part of monies received.
- DATE** – Allows you to track monies by date. Normally entered on the numeric and touch panel keyboards as (MM-DD-YY) followed by ENTER. The Date field may also be used to track other variables. A maximum of twelve numerals may be entered. Unlike some JetSort prompts, the Date field cannot be bypassed without entering data.
- ID** – Allows you to track information by up to 150 separate day total registers via an identity code (numbers 1 -150). ID total registers may be used to accumulate counts for Products, Routes, Tellers, or any other variable you wish to define. A prompt for ID codes will appear when processing Batches and Sub-Batches and cannot be bypassed. Enter ID codes through the numeric keypad and press the ENTER key. Like Label headers, ID headers may be customized with names of up to twelve characters each (alpha and numeric).
- LABELS** – Allows you to track and report JetSort information by four (4) operator specified categories A, B, C and D. Label headers (i.e. Route, Bag, Customer, Operator, Teller, etc.) may be customized with names of up to twelve characters (alpha and numeric) each.

## Section I

# JETSORT OPERATIONS

**MISC –** Allows you to enter values, coupons, chips and other non-coin media as part of monies received.

**NOTE:** When adding currency, checks and miscellaneous value, you must press the ENTER key twice to accept and add values to totals.

You may leave a prompted entry blank by pressing the ENTER key. You may also jump to the end of a prompt sequence by pressing the JUMP key at any time. You may not however, jump past (or leave blank) an ID or DATE prompt.

After coin has cleared the sorting chamber, press the red STOP key or allow the machine to time out automatically.

To continue adding coin to the same Batch, press the CONT key and process additional coin.

## SORTING BATCHES AND SUB-BATCHES

### STARTING BATCHES AND SUB-BATCHES

The JetSort tracks all coin in the same Batch until the START S/BAT key is pressed. When the START S/BAT key is pressed, the JetSort counts all subsequent coin as a separate Sub-Batch.

### CONTINUING AND ENDING BATCHES AND SUB-BATCHES

Continuing and ending Batches and Sub-Batches varies depending on whether the END SUBBAT function is set at automatic (AUTO) or required (REQ'D) in the ENABLE FUNCTIONS OPERATION SET-UP (See Page 38). Your JetSort is shipped with AUTO as the default setting.

With the END SUBBAT function set for AUTO, after processing coin, you may:

- 1) begin a new Sub-Batch by pressing the START S/BAT key again,
- 2) continue the first Sub-Batch by loading more coin and pressing the CONT key, or
- 3) end the current Sub-Batch by pressing the END key. Pressing the END key a second time will end the current Batch.

With the END SUBBAT function set for REQ'D, after processing coin, you may:

- 1) end the current Sub-Batch by pressing the END key.
- 2) begin a new Sub-Batch by pressing the END key, followed by the START S/BAT key,
- 3) continue a Sub-Batch by loading more coin and pressing the CONT key, or

## Section I JETSORT OPERATIONS

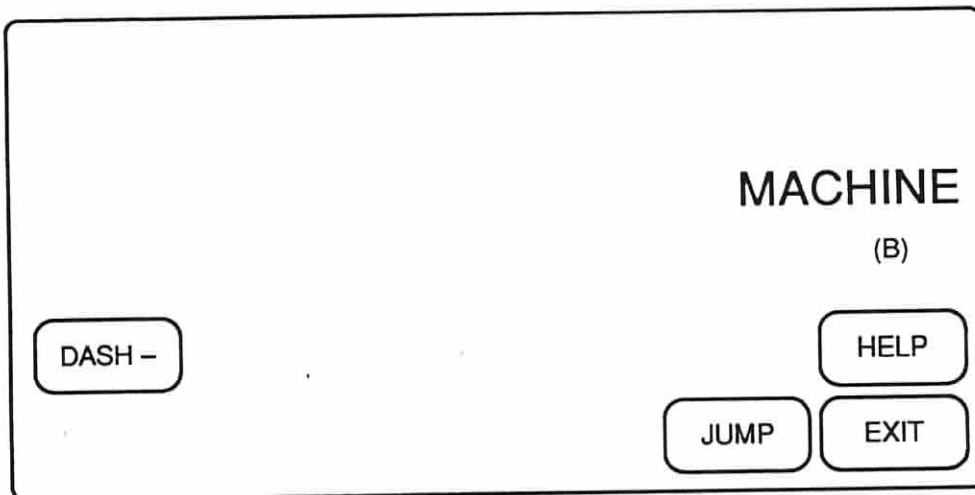
- 4) end the current Sub-Batch and current Batch by pressing the END key twice.

With the END SUBBAT function set for REQ'D, a Sub-Batch is ended only when the END key is pressed. All coin sorted after beginning a Sub-Batch is counted toward the current Sub-Batch until the END key is pressed. Press the END key once to end the current Sub-Batch and press it twice to end the current Batch.

### ENTERING INFORMATION

The procedure for entering information varies depending on whether data items are set on AUTO or DEMND in the DATA ENTRY SELECTION FUNCTION (See page 37).

When set for AUTO, the operator will be automatically prompted for data entry, after beginning a Batch or Sub-Batch. After beginning a Batch or Sub-Batch, enter the appropriate information via the numeric keypad followed by the ENTER key. Pressing the ENTER key will record the information and bring you to the next label entry screen. Label data entry screens appear similar to the one shown below:



When set for DEMND, JetSort will only display data entry screens on demand by operator.

**To enter information** – label information (A-D), paper currency values, IDs, and declared balances for Sub-Batches and Batches the JetSort must be actively sorting coin or be in a BATCH WAITING condition. You cannot enter information while in a Batch Ended condition. To enter information,

## Section I JETSORT OPERATIONS

press the MENU key on the Touch Panel <sup>D</sup> display shown below:  
<sup>^</sup>

\$				.00			
Batch Waiting				PRINT		COINS	
BATCH		SBAT		BAG		DAY	
1c		5c		10c		25c	
50c		\$1				HELP	
						MENU	

Then press the DATA key on the OPTION MENU to access the DATA ENTRY MENU:

** DATA ENTRY MENU **							
Batch Waiting: SELECT DATA ITEM:							
A		B		C		D	
CURR		CHECKS		MISC		HELP	
ID		BDBAL		SDBAL		EXIT	

Press the appropriate key to enter label (A-D), currency, checks, miscellaneous, ID, declared Batch and Sub-Batch information. Enter appropriate information for each media item through the numeric keypad, followed by the ENTER key. Pressing the ENTER key will record the information and bring you to the next data entry screen for Labels A, B, C, D and IDs. You must press the ENTER key twice to record information and move to the next screen for the following functions: CURRENCY, CHECKS, MISC, BATCH DECLARED BALANCE and SUB-BATCH DECLARED BALANCE.

## Section I

# JETSORT OPERATIONS

### ENTERING LABELS INFORMATION

Press the Label keys (A-D) to enter label information. Pressing the Label key will display a screen similar to the one shown below:

ROUTE  
(A)

DASH -

HELP

JUMP

EXIT

**NOTE:** "Route" designation shown above is for example only. Labels and IDs may be customized to record user-specific categories such as Teller, Machine, Customer, Operator, etc. See the Label Setup section on page 40 of this manual for more information.

Enter Label information through the numeric keypad and press the ENTER key to record and return to a Batch Waiting condition. Repeat this process to enter information for additional Label prompts. You may "jump" to the end of a data entry sequence (or to ID if enabled) by pressing the JUMP key.

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# JETSORT OPERATIONS

### ENTERING ID INFORMATION

Press the ID key to enter ID information. Pressing the ID key will display a screen similar to the one shown below:

The screenshot shows a rectangular screen with the text "TELLER" in large, bold, uppercase letters at the top right. Below it, "(ID)" is displayed in smaller, uppercase letters. At the bottom right of the screen, there are three rounded rectangular buttons arranged in a cluster: "BACK" is on the left, "HELP" is on the right, and "EXIT" is centered below the other two.

**NOTE:** "Teller" designation shown above is for example only. Labels and IDs may be customized to record user-specific categories such as Teller, Machine, Customer, Operator, etc.

Enter ID information through the numeric keypad and press the ENTER key to record and move to the next screen, or return to a Batch Waiting condition. You may not "jump" past an ID prompt.

### ENTERING DECLARED BALANCE INFORMATION

When prompted for declared balances for both Batches and Sub-Batches, enter data through the numeric keypad and press the ENTER key twice to record and return to a Batch Waiting condition. Press the CLEAR key to correct and re-enter Declared Balance information not yet recorded.

When entering values for Batch Declared Balance, Sub-Batch Declared Balance and Miscellaneous Media, the ENTER key works like a calculator. Entering a positive value, followed by the ENTER key will add the value to previously recorded values. Entering a value, followed by the - (minus) key will deduct the value from the previously recorded values. Once your entered value is correct, press the ENTER key a second time to record the new value and leave the screen.

Touch Panel displays for entering declared balances and other values are similar to the one shown on the following page:



## Section I

### JETSORT OPERATIONS

\$	.00
BAT DEC BAL	
-	HELP
	JUMP    EXIT

#### CORRECTING DECLARED BALANCE INFORMATION

After Declared Batch or Sub-Batch Balance information is entered, it will be added to any previously recorded balance values. To subtract from balance values, enter the difference through the numeric keypad and press the - (minus) key on the left side of the touch panel display. The adjusted balance value will now be displayed. Press the ENTER key to record and return to a Batch Waiting condition.

#### ENTERING MISCELLANEOUS MEDIA INFORMATION

When prompted for miscellaneous media information (currency, checks, miscellaneous), enter data through the numeric keypad and press the ENTER key twice to record and return to a Batch Waiting condition. Press the CLEAR key to correct and re-enter numeric values not yet recorded. Touch Panel displays appear similar to the following:

\$	500.00
CURRENCY	
-	BACK    HELP
	JUMP    EXIT

## Section I

# JETSORT OPERATIONS

### USING THE VERIFY FUNCTION

Sorting and counting coins can be done without adding to Sub-Batch, Batch, Day or ID totals through the use of the Verify function. However, the Verify process will add verified coin totals to bag totals.

To use Verify, the JetSort must actively be sorting coin or be at a Batch Ended condition. Verify function will not work in a Batch Waiting condition. In a Batch Ended condition, press the **VERIFY** key and sort coin. Let the machine time-out or press the red **STOP** key. Exit Verify by pressing the **VERIFY** key, which will return the screen to the Batch Ended condition.

### ENDING A BATCH OR SUB-BATCH

Ending Batches and Sub-Batches varies depending on whether the END SUBBAT function is set at automatic (AUTO) or required (REQ'D) in the ENABLE FUNCTIONS display. See ENABLE FUNCTIONS setup on page 38 of this manual for more information.

With the END SUBBAT function set for AUTO, a Sub-Batch is ended by pressing the **START S/BAT** key. This automatically ends the current Sub-Batch and starts a new one. Pressing the **END** key once will simultaneously end all Sub-Batches and end the current Batch. Your JetSort is shipped with the END SUBBAT function set for AUTO as the default setting.

With the END SUBBAT function set for REQ'D, a Sub-Batch is ended only when the **END** key is pressed. All coin sorted after beginning a Sub-Batch is counted toward the current Sub-Batch until the **END** key is pressed. Press the **END** key once to end the current Sub-Batch and press it twice to end the current Batch.

### INFORMATION RETRIEVAL

In a Batch Ended condition, you will see the Touch Panel display shown below:

\$				.00	
Batch Waiting					
				PRINT	COINS
BATCH	SBAT	BAG	DAY	UNIT	
1c	5c	10c	25c	HELP	
50c	\$1				MENU

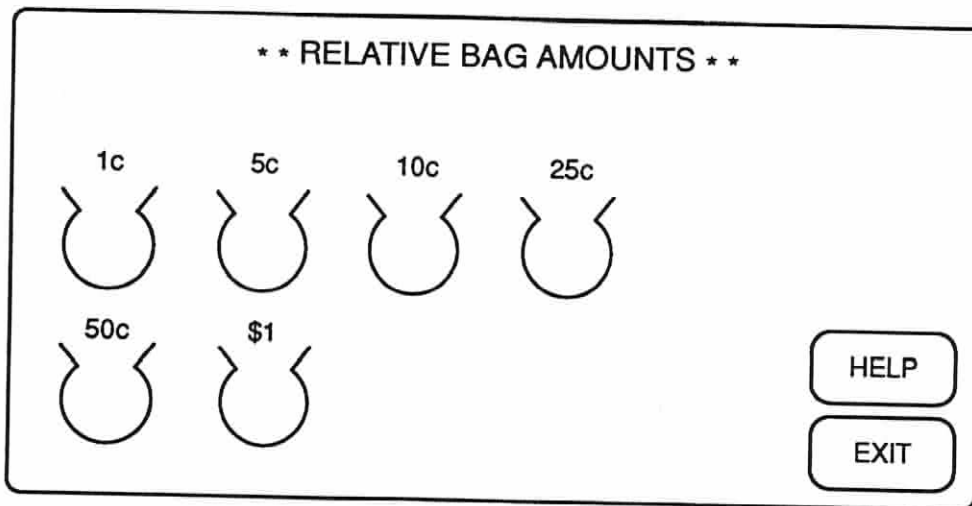
## Section I JETSORT OPERATIONS

JetSort accumulates and reports information in several categories. You may retrieve information about these categories by pressing the corresponding key on the Touch Panel. Touch Panel keys display the following information:

**BATCH** – the total coin value of the current Batch.

**SBAT** – the total coin value for the current Sub-Batch.

**BAG** – the total accumulated value for all bags. Pressing the **BAG** key again will display the **RELATIVE BAG/BOX AMOUNTS** screen, a graphic presentation of the percentage of the bag filled for each of six (6) coin denominations (1¢ through \$1). Press the **BAG** key followed by a coin denomination key to review individual coin amounts.



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# JETSORT OPERATIONS

**DAY** – the total accumulated value of all sorted coins plus other media entered since the last time DAY totals was cleared. See display below:

\$		950.00	
BATCH ENDED		PRINT	COINS
BATCH	SBAT	BAG	DAY
1c	5c	10c	25c
50c	\$1		UNIT
			HELP
			MENU

**ID** – ID totals are displayed through the DAY key. If your JetSort is equipped with ID software, the DAY key will change to ID when pressed. IDs are displayed individually, shown on the DAY key as ID (#). You may enter additional ID numbers through the numeric keypad, followed by the ENTER key, to display day totals for individual IDs. Entering ID 0 will display Day totals for all 150 JetSort IDs.

When printing reports, ID 00 will print breakdowns of each individual ID (0 - 150). ID 0 will print combined day total for all IDs.

**PRINT** – prints a report of the current Batch or Sub-Batch (depending on set-up features). See Using a Printer on page 32 for more information.

**NOTE:** the PRINT key will only be displayed when the JetSort is connected to a compatible printer and the printer has been enabled in the PRINTER FORMAT SETUP display (page 45).

**TOTAL** – displays total value of coin counted, plus receipts. Press the BATCH or SBAT key to display totals for current Batch or Sub-Batch. Press the TOTAL key again to display RCPTS (currency values entered via numeric keypad) and COINS (total number of coins counted).

## Section I

# JETSORT OPERATIONS

**UNIT** – alternates between display of total coin value and number of units sorted.

**EVEN/OVER/SHORT** – JetSort will display the difference between coin/currency total and Batch Declared Balance or Sub-Batch Declared Balance, along with Even, Over or Short status, after ending a Batch.

**DENOMINATION KEYS (1¢ - \$1)** – displays total value or number of units sorted of each of six (6) coin denominations.

Press **BATCH**, **SBAT**, **BAG** and **DAY** keys to display day totals for these categories. Press the **BATCH**, **SBAT**, **BAG** and **DAY** keys in combination with the 1¢ - \$1 (denomination) keys to display denomination bag totals for each category. Pressing the **TOTAL** key will alternate between **COINS**, **RCPTS** and **TOTAL** displays for each category. Alternating displays will not work if a coin denomination key is selected. Press **SBAT**, **BATCH**, **DAY** or **TOTAL** key to deselect a denomination key.

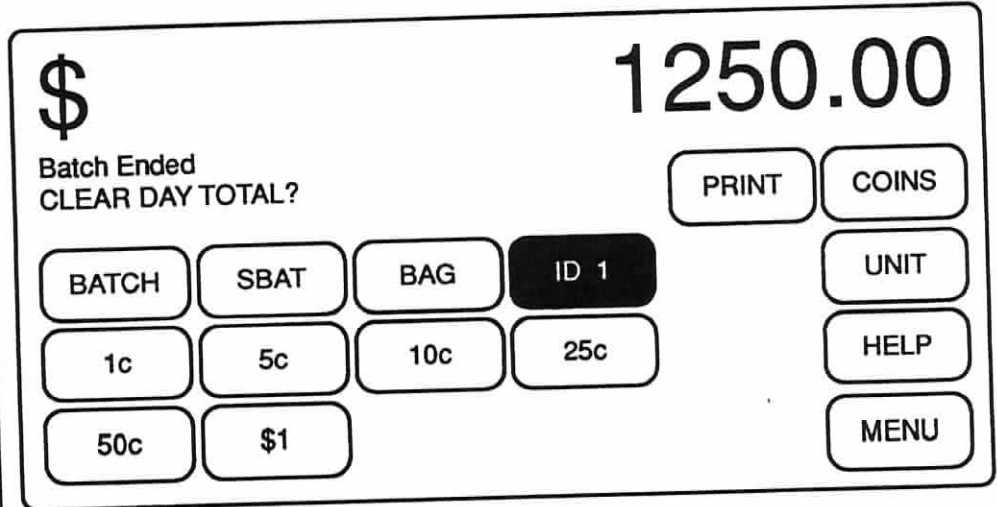
**INFORMATION**  
RETRIEVAL FOR BATCHES,  
SUB-BATCHES, BAGS &  
DAYS

\$		250.00	
BATCH ENDED		PRINT	COINS
BATCH	SBAT	<b>BAG</b>	DAY
1c	5c	10c	<b>25c</b>
50c	\$1		
			UNIT
			HELP
			MENU

## Section I JETSORT OPERATIONS

### INFORMATION RETRIEVAL FOR INDIVIDUAL IDS

If your JetSort is equipped with ID software, you may display totals for individual or collective IDs. ID totals are displayed through the DAY key. The DAY key will switch to ID when pressed. See display below:



To display totals for individual IDs, the JetSort must be in a Batch Ended condition. To display individual ID totals, press the DAY/ID key, enter the ID number you wish to display and press the ENTER key. The ID number you entered will be displayed on the DAY/ID key and ID totals will be displayed in the upper right hand corner of the Touch Panel display. Press additional keys to display Batch, Sub-Batch, Denomination totals, Unit totals and other information as described above.

### CLEARING COUNTS AND TOTALS

JetSort tracks individual coin bag counts and day counts, independent of any Batch or Sub-Batch data stored. These features allow you to obtain grand totals for individual coin denominations and total coin sorted and counted for any period desired. Bag and day counts accumulate until a bag limit is reached or counts are cleared manually by an operator.

JetSort allows you to clear bags and day totals either when they have reached their individual bag stop limits or at any time before they reach their limits. It also allows you to clear all bags at once.

### CLEARING INDIVIDUAL BAG COUNTS

When a bag has reached its stop limit, the sorter stops and a limit message flashes on the display, showing the denomination for which the limit has been reached. The denomination count will appear in the upper right hand corner. See display on page 25:

## Section I JETSORT OPERATIONS

\$				10,000							
Batch Waiting LIMIT 10¢				PRINT		COINS					
BATCH	SBAT	BAG	DAY	UNIT							
1c	5c	10c	25c					HELP			
50c	\$1										

To clear the bag count, press the **CLEAR** key once. The JetSort will display the following prompt: "Clear this Bag/Box?". Press the **CLEAR** key again to clear bag count and return to a Batch Waiting condition. Press the **CONT** (Continue) key to sort remaining coins. The **BAG** and the 1¢ - \$1 (individual denomination) keys must be selected to clear individual bag counts.

This method may also be used to clear bag counts before a bag has reached its stop limit. To clear an individual bag count, press the **BAG** key and the 1¢ - \$1 (denomination) key of the bag you wish to clear, followed by the **CLEAR** key. The JetSort will display the following prompt: "Clear this Bag/Box?". Press the **CLEAR** key again to clear individual bag count.

\$				\$1,000.00							
Batch Ended CLEAR THIS BAG/BOX?				PRINT		COINS					
BATCH	SBAT	BAG	DAY	UNIT							
1c	5c	10c	25c					HELP			
50c	\$1										

## Section I

# JETSORT OPERATIONS

### CLEARING ALL BAG COUNTS

To clear all bag counts, press the **BAG** key, followed by the **CLEAR** key. The JetSort will display the following prompt: "Clear All Bags/Boxes?"; Press the **CLEAR** key again to clear all bag counts.

Screen displays, when clearing all Bag Counts, appear similar to the screen shown below:

\$				400.00	
Batch Ended					
CLEAR ALL BAGS/BOXES?				PRINT	COINS
BATCH	SBAT	BAG	DAY	UNIT	
1c	5c	10c	25c	HELP	
50c	\$1			MENU	

### CLEARING DAY COUNTS

To clear a day count, you must be in a Batch Ended condition. Press the **DAY** key followed by the **CLEAR** key. The JetSort will display the following prompt: "Clear Day Totals?". Press the **CLEAR** key again to clear all Day counts.

### CLEARING ID COUNTS

To clear an ID count, you must be in a Batch Ended condition. Press the **DAY** key to display individual IDs. Enter an ID number through the numeric keypad, followed by the **ENTER** key. Pressing the **CLEAR** key will display a "Clear Day Total?" prompt. Press the **CLEAR** key again to clear an individual ID count. Clear Day Total displays appear similar to the one shown on page 27:



## Section I JETSORT OPERATIONS

\$				1250.00	
Batch Ended CLEAR DAY TOTAL?				PRINT	COINS
BATCH	SBAT	BAG	ID 1	UNIT	
1c	5c	10c	25c	HELP	
50c	\$1			MENU	

You may display and clear additional IDs by entering the ID number on the numeric key pad, followed by the ENTER key. The JetSort will display day totals for each ID entered. Clear additional IDs by pressing the CLEAR key. The JetSort will display the following prompt: "Clear Day Totals?". Press the CLEAR key again to clear additional ID totals.

To clear all 150 JetSort IDs, enter ID 0 and press the ENTER key. The JetSort will display day totals for all 150 IDs. Press the CLEAR key to clear all ID totals. The JetSort will display the following prompt: "Clear All ID Day Totals?". Press the CLEAR key again to clear all JetSort IDs.

### CLEARING ALL JETSORT ID COUNTS

## Section I

# JETSORT OPERATIONS

### PRESERVING TOTALS INFORMATION

If after you press the **CLEAR** key the first time and receive the "Clear Totals" prompt, you want to preserve recorded totals, press the **BATCH** key before pressing the **CLEAR** key again. This will save recorded Bag, Day or ID totals and return to a Batch Ended condition.

Screen displays when clearing Day and ID counts appear similar to the screen shown below:

\$		350.00	
Batch Ended CLEAR DAY TOTALS?		PRINT	COINS
BATCH	SBAT	BAG	<b>DAY</b>
1c	5c	10c	25c
50c	\$1		UNIT
			HELP
			MENU

### PROGRAMMABLE JET STOPS

Your JetSort is designed to allow you to set limits (stop limits) for the number of coins fed into any denomination bag. PJS limits can be set in either piece or value counts. These stop limits can be entered and stored in the JetSort's memory through the PROGRAMMABLE JET STOPS (PJS) menu.

JetSort is designed with three bag stop limits built in— **FULL** (full federal bag limits), **HALF** (half federal bag limits), and **NONE** (no limits). PJS File numbers 01 and 02 are preset to FULL and HALF federal bag limits and cannot be changed in permanent memory.

Individual stop limits may be changed while processing coin and will be used until new stop limits are set.

You may program and store up to 23 (03-25) individual PJS settings in the JetSort.

## Section I JETSORT OPERATIONS

### RETRIEVING PJS FILES

From a Batch Ended condition, press the MENU key to display the OPTION MENU display shown below:

**\*\* OPTION MENU \*\***

Batch Ended  
SELECT FUNCTION:

PJS

DATA

HELP

EXIT

Then, press the PJS key to display the PJS menu shown below:

BATCH ENDED  
PROGRAMMABLE JET STOPS

2,500

PJS HALF FILE: 2

GET	SAVE	INFIN	PRINT	UNIT
1c	5c	10c	25c	HELP
50c	\$1			EXIT

## Section I

# JETSORT OPERATIONS

Press the GET key to retrieve a previously stored PJS setting. Pressing the GET key will prompt you for a PJS file number which you must enter through the numeric key pad and press the ENTER key to record. See screen below:

\*\* PJS FILE RECALL \*\*

Enter PJS File number to recall:

You may find it useful to list stored PJS file numbers of a separate sheet of paper for ease of reference.

You may print a list of PJS file numbers and their stop limits by pressing the PRINT key from the PJS screen. See display below:

BATCH ENDED  
PROGRAMMABLE JET STOPS

# 2,500

PJS HALF FILE: 2

GET

SAVE

INFIN

PRINT

UNIT

1c

5c

10c

25c

HELP

50c

\$1

EXIT

## Section I

# JETSORT OPERATIONS

### CREATING NEW PJS FILES

Enter stop limits for individual coin denominations by selecting coin denomination. Stop limit levels are entered through the numeric keypad and recorded by pressing the ENTER key. Press the INFIN key to indicate no stop limits for a particular coin denomination. Repeat this process for each denomination (1¢ - \$1).

### SAVING PJS FILES

To save PJS settings, press the SAVE key. Pressing the SAVE key will prompt you for a two digit PJS file number which you must enter through the numeric keypad and press the ENTER key to record. See screen below:

**\*\* PJS FILE SAVE \*\***

Enter PJS File number to save to:

HELP

EXIT

If you enter a previously stored PJS file number, the screen will display the following prompt: "WARNING: File already exists, Replace?" Press the ENTER key again to overwrite the previous code. Press the CLEAR key to preserve previously recorded PJS file. You cannot overwrite PJS file numbers 01 and 02.

### INITIALIZING PJS FILES

You may erase all previously stored PJS files (except 01 and 02) by initializing your the JetSort's PJS files when you turn it on. To initialize PJS files, press and hold down the <END> key while turning on the JetSort

## Section I

# JETSORT OPERATIONS

### USING A PRINTER

Either of Cummins' printers, the IDP562 RSL or IDP3535 (high speed) are recommended for use with JetSort. However, for them to work properly together, both the printer and JetSort must be initialized to the same baud rate and parity. Contact your local branch office for proper initialization instructions.

JetSort will also work with other printers provided that they are 40 column serial printers that have the appropriate cabling and are initialized properly. Contact your local branch office for details.

When either a Citizen IDP562 RSL or an IDP3535 serial printer are used, a number of fields are printed in red. These include: Date, Label (A-D), Grand Total and Declared Balance Variances.

### PRINTING REPORTS

JetSort can generate a number of printed reports for Batch, Sub-Batch, Bag totals, Day totals, and for Individual and Collective IDs.

From a Batch Waiting condition, you may print Batch, Sub-Batch, Bag, Day and ID reports for the currently active Batch or Sub-Batch. Press the **BATCH**, **SBAT**, **BAG** or **DAY** key followed by the **PRINT** key to generate reports. You cannot display or print other IDs from a Batch Waiting condition. You may only display and print multiple IDs from a Batch Ended condition.

When printing reports, ID 00 will print breakdowns of each individual ID (0 - 150). ID 0 will print combined day total for all IDs.

\$				.00			
Batch Waiting							
				<b>PRINT</b>		COINS	
<b>BATCH</b>		SBAT		BAG		DAY	
1c		5c		10c		25c	
50c		\$1					
				UNIT			
				HELP			
				MENU			

# Section I JETSORT OPERATIONS

Reports are generated automatically or by operator demand depending on how the PRINTER FORMAT SETUP functions are configured. See the Printer Format Setup Section on page 45 of this manual for more information.

If the WHEN function in PRINTER FORMAT SETUP is set to DEMND, you must press the PRINT key to generate reports.

If the WHEN function in PRINTER FORMAT SETUP is set to AUTO, Batch and Sub-Batch reports will be generated automatically whenever a Batch or Sub-Batch is ended.

Sub-Batch, Batch, Bag and Day Total reports appear similar to those shown below and on the page 34:

SUB-BATCH REPORT			
DATE:		02-14-95	
AUDIT:	0003-0001-00		
B:	CUSTOMER		
C:	MACHINE		
D:	BAG		
ID:	PRODUCT	01	
COIN	UNIT	VALUE	
0.01	14	0.14	
0.05	43	2.15	
0.10	23	2.30	
0.25	47	11.75	
0.50	0	0.00	
COIN TOT.	127	16.34	
CURRENCY		25.00	
CHECKS		100.00	
MISC.		0.00	
TOTAL RECEIPTS		-----	
GRAND TOTAL		141.34	
DECLARED BALANCE -		141.34	
EVEN		----	

BATCH REPORT			
DATE:		02-14-95	
AUDIT:	0003-0001-00		
A:	ROUTE		
B:	CUSTOMER		
ID:	PRODUCT	01	
COIN	UNIT	VALUE	
0.01	14	0.14	
0.05	43	2.15	
0.10	23	2.30	
0.25	47	11.75	
0.50	0	0.00	
COIN TOT.	127	16.34	
CURRENCY		25.00	
CHECKS		100.00	
MISC.		0.00	
TOTAL RECEIPTS		-----	
GRAND TOTAL		141.34	
DECLARED BALANCE -		141.34	
EVEN		----	

## Section I

# JETSORT OPERATIONS

BAG TOTAL REPORT		
COIN	UNIT	VALUE
0.01	14	0.14
0.05	43	2.15
0.10	23	2.30
0.25	47	11.75
0.50	0	0.00
<b>TOTAL</b>	<b>127</b>	<b>16.34</b>

DAY TOTAL REPORT		
DATE:		02-14-95
AUDIT:	0003-0001-00	
ID: PRODUCT		0
COIN	UNIT	VALUE
0.01	14	0.14
0.05	43	2.15
0.10	23	2.30
0.25	47	11.75
0.50	0	0.00
COIN TOT.	127	16.34
CURRENCY		25.00
CHECKS		100.00
MISC.		0.00
TOTAL RECEIPTS		-----
GRAND TOTAL		141.34

### PRINTING LABELS INFORMATION

The labels you set up appear in specific JetSort reports listed below:

- Label A – Batch label. Appears in Batch print reports only.
- Label B – Batch label. Appears in Batch and Sub-Batch print reports.
- Label C – Sub-Batch label. Appears in Sub-Batch print reports only.
- Label D – Sub-Batch label. Appears in Sub-Batch print reports only.

### PRINT MODES

JetSort reports generate data depending on how JetSort features are configured. Actual appearance of your reports may differ from that described here.

JetSort is designed to generate reports in four different formats or modes. They are:

- Print Mode 1** – shows Date, Audit #, Batch, Sub-Batch Codes, Coins, Currency, Checks and Miscellaneous Media totals, together with Declared Balance (if initialized).



## Section I

# JETSORT OPERATIONS

**Print Mode 2** – shows everything in Print Mode 1 together with a breakout of individual coin and currency totals if a currency counter interface is installed.

**Print Mode 3** – shows Audit #, Batch, Sub-Batch code and total money processed.

**Print Mode 4** – shows money processed totals.

The mode your machine uses was set up at the time the machine was initialized. If you wish to change your report format see Section II – JetSort Set-Up beginning on page 36 of this manual, or contact your local Cummins branch office.

## Section II

# JETSORT SET-UP

### PROGRAMMING AND STORING JETSORT FEATURE SETTINGS

JetSort is designed to provide you with a high level of user-programmable features to make your coin counting and sorting tasks as easy and automated as possible. This section addresses these features and explains how to set up JetSort features to address your specific coin sorting and counting requirements.

Many JetSort features are either on (enabled) or off (disabled). Pressing these keys will enable them (indicated by a darkened key) or disable them (indicated by a lightened key), as shown in the sample screen below:

** ENABLE FUNCTIONS **				
END : SUBBAT	REQ'D	<b>AUTO</b>		
DISPLAY : AT END	<b>TOTAL</b>	ZERO		
DATE:	<b>OFF</b>	ON		HELP
DEFAULT LIMITS :	<b>FULL</b>	HALF	NONE	EXIT

To access and set up JetSort's features, you must be at a Batch Ended condition. From a Batch Ended condition, press and hold the red STOP key until the SELECT SPECIAL MODE screen is displayed as shown below:

** SELECT SPECIAL MODE **	
BATCH ENDED	
<b>*</b>	ENTER SETUP MODE
<b>*</b>	ENTER DIAGNOSTIC MODE
	HELP
	EXIT

**IMPORTANT:**  
Do not enter Diagnostic  
Mode without first  
contacting your local  
Cummins office.

## Section II

# JETSORT SET-UP

Press the ENTER SETUP MODE key to access the JetSort's SET-UP MAIN MENU options shown below:

\*\* SET-UP MAIN MENU \*\*

*	USER DEFAULTS		
*	ENABLE FUNCTIONS		
*	DATA ENTRY SELECTIONS		
*	PORT SETUP		HELP
*	PERIPHERAL FORMATS	MORE	EXIT

Pressing the keys described below, will display JetSort's function screens and setup options:

### USER DEFAULTS

User Defaults allows you to save current user settings as defaults or retrieve (get) previously saved settings to be used as default settings. This eliminates the need to reconfigure your JetSort in the event of a power surge, power outage or other interruption. The Default Setting can be revised at any time. The SET USER DEFAULTS screen is shown below:

**NOTE: Choosing SAVE CURRENT AS USER DEFAULTS also overwrites all previously set-up JetSort functions.**

\$	350.00															
Batch Ended CLEAR DAY TOTALS?	PRINT    COINS															
<table border="1"> <tr> <td>BATCH</td> <td>SBAT</td> <td>BAG</td> <td style="background-color: black; color: white;">DAY</td> </tr> <tr> <td>1c</td> <td>5c</td> <td>10c</td> <td>25c</td> </tr> <tr> <td>50c</td> <td>\$1</td> <td></td> <td></td> </tr> </table>	BATCH	SBAT	BAG	DAY	1c	5c	10c	25c	50c	\$1			<table border="1"> <tr> <td>UNIT</td> </tr> <tr> <td>HELP</td> </tr> <tr> <td>MENU</td> </tr> </table>	UNIT	HELP	MENU
BATCH	SBAT	BAG	DAY													
1c	5c	10c	25c													
50c	\$1															
UNIT																
HELP																
MENU																

## Section II JETSORT SET-UP

### ENABLE FUNCTIONS

Enable functions allows for setup of:

**SLEEP MODE** – When activated, the SLEEP MODE feature allows the JetSort to be in a stand-by mode. If the JetSort is not used for 20 minutes or longer, the screen on the JetSort will appear blank. To resume using the JetSort, simply press the RED key. The touch screen will re-appear.

**END SUB-BATCH** – Set for Required (REQ'D) or Automatic (AUTO). Set on Required (REQ'D), you must hit the END key to end a Sub-Batch. Press the END key a second time to end a Batch.

Set on AUTO, press the START S/BAT key to end the current Sub-Batch and begin a new one. Press the END key to end the current Sub-Batch. Press the END key again to end the current Batch.

**DISPLAY AT END** – After ending a Batch or Sub-Batch, JetSort will display Batch and Sub-Batch totals, or the JetSort display will display zero. (JetSort must be in BATCH ENDED condition).

**DATE** – Enables or disables DATE entry function. When changing the DATE function, new setting will take effect only after clearing out day totals.

**DEFAULT LIMITS** – Sets bag stop default limits for FULL, HALF or NONE.

The ENABLE FUNCTIONS screen is shown below:

** ENABLE FUNCTIONS **			
SLEEP : MODE :	OFF	ON	
END : SUBBAT	REQ'D	AUTO	
DISPLAY : AT END	TOTAL	ZERO	
DATE:	OFF	ON	HELP
DEFAULT LIMITS :	FULL	HALF	NONE EXIT

## Section II JETSORT SET-UP

### DATA ENTRY SELECTIONS

Data Entry Selections allows you to access LABELS, RECEIPTS, and OTHER prompt set up displays.

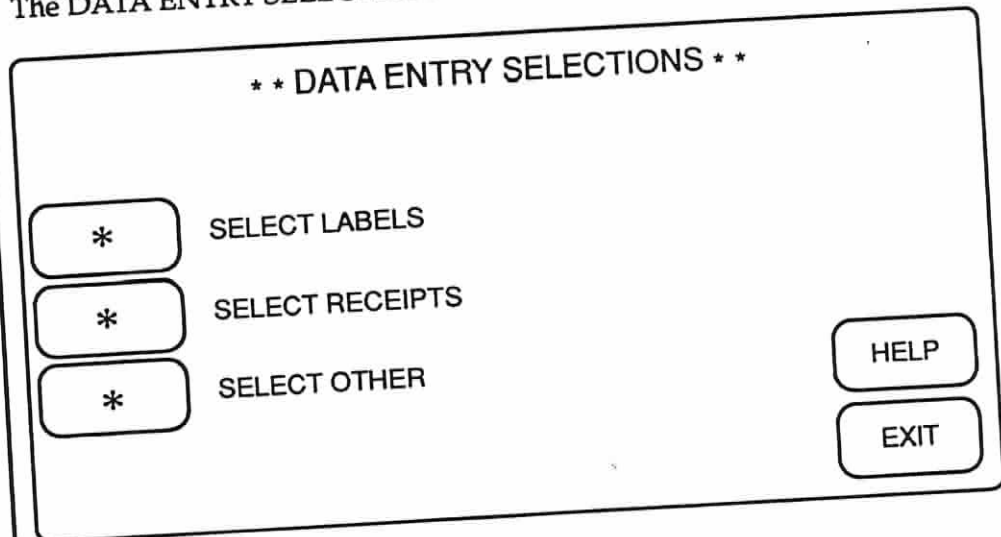
**NOTE:** The number of Data Entry selections available is based on the software option kit installed on your JetSort.

Press the **SELECT LABELS** key to set up prompts for labels A-D.

Press the **SELECT RECEIPTS** key to set up prompts for Currency, Checks/Chips, and Miscellaneous receipts.

Press the **SELECT OTHER** key to set up prompts for ID, Batch Declared Balances, and Sub-Batch Declared Balances.

The DATA ENTRY SELECTIONS screen is shown below:



The following settings in the LABELS, RECEIPTS and OTHER displays will produce the JetSort response described:

**OFF** – No prompt for data will be displayed. Data cannot be entered in this mode.

**AUTO** – Operator will be automatically prompted for data entry. Operator may press the **JUMP** key from data entry screen to go to end of data sequence or press the **ENTER** key without entering any data to proceed to next data prompt.

**DEMND** – JetSort function will only be prompted upon operator demand. From a Batch Sorting or Batch Waiting condition, press the **DATA** key for data entry display.

## Section II JETSORT SET-UP

The LABEL SETUP, RECEIPTS SETUP and OTHER DATA ITEMS SETUP screens are shown below:

\*\* LABEL SETUP \*\*

A:	OFF	AUTO	DEMND	CUSTM	
B:	OFF	AUTO	DEMND	CUSTM	
C:	OFF	AUTO	DEMND	CUSTM	HELP
D:	OFF	AUTO	DEMND	CUSTM	EXIT

\*\* RECEIPTS SETUP \*\*

CURRENCY:	OFF	AUTO	DEMND	
CHK/CP:	OFF	AUTO	DEMND	HELP
MISC:	OFF	AUTO	DEMND	EXIT

\*\* OTHER DATA ITEMS SETUP \*\*

ID:	OFF	AUTO		CUSTM	
DBALB:	OFF	AUTO	DEMND		
DBALSB:	OFF	AUTO	DEMND		HELP
BILCNT:	OFF	AUTO	DEMND		EXIT

## Section II

# JETSORT SET-UP

### CUSTOMIZING LABELS AND ID FIELDS

You must be in a Batch Ended condition to enter Label and ID field names. Label and ID fields can be customized with operator-defined names to track Routes, Products, Tellers, Machines, etc. Labels can be customized with names containing up to 12 alpha/numeric characters. IDs can be customized with names containing up to 12 numeric characters.

To customize a Label or ID field, press the CUSTM key in the LABEL SETUP (for labels) or the OTHER DATA ITEMS SETUP (for IDs) display. The following screen will be displayed:

**\*\* DATA ENTRY SELECTIONS \*\***

*	SELECT LABELS	
*	SELECT RECEIPTS	
*	SELECT OTHER	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block; margin-bottom: 5px;">HELP</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;">EXIT</div>

Enter up to twelve (12) alpha/numeric characters for each Label field (A-D) and for ID fields.

Press the **SHIFT** key to alternate between upper and lower case alpha characters. Press the **SYMBOL** key to select from 25 symbols which can be used in field names.

Press the **CLEAR** key to clear a mistake in a field name and re-enter field name.

Press the **ENTER** key to enter field names and return to Label/ID Setup display. Type names of additional labels as described above.

After you are finished names for all labels, press the **EXIT** key to return to the Data Entry Menu. Press the **EXIT** key again to return to the Main Menu.

**IMPORTANT:** You must press the "SELECT USER DEFAULTS" key and press "SAVE CURRENT AS USER DEFAULTS" to save Label and ID field names. If you exit to a Batch Ended condition without saving as current user defaults, JetSort will default to standard Label and ID field names in permanent memory.

## Section II JETSORT SET-UP

### PORT SET-UP

Port Set-up allows for data transmission set up from JetSort port to four peripherals remote display (RMT.D), printer (PRNTR), computer (COMM) and Bar Code Reader (BCR). Select data transmission functions including baud rate, stop bits and parity.

** PORT 1 SETUP **				
FUNCTION:	OFF	RMT.D	PRNTR	COMM
	JTSCN	JTCNT		
BAUD:	600	1200	2400	4800 9600
DATA:	7	8		BACK HELP
PARITY:	ODD	EVEN	NONE	NEXT EXIT

** PORT 2 SETUP **				
FUNCTION:	OFF		PRNTR	BCR
	JTSCN		JTCNT	
BAUD:	600	1200	2400	4800 9600
DATA:	7	8		BACK HELP
PARITY:	ODD	EVEN	NONE	NEXT EXIT

Note: Ports 3-8 can connect printer, J/SCAN and J/COUNT.



## Section II JETSORT SET-UP

### PERIPHERAL FORMAT

Peripheral Format allows for setup of Computer Interface and Printer Format Set-Up.

**\*\* SET PERIPHERAL FORMATS \*\***

*	COMPUTER INTERFACE	
*	PRINTER FORMAT	
*	BAR CODE READER	HELP
		EXIT

### COMPUTER INTERFACE

**\*\* COMPUTER INTERFACE SETUP \*\***

EMULAT:	36/2	36/1	3100	5000
PROTCL:	IMMED		POLL	
ACK:	OFF		ON	
LIMREP:	OFF		ON	
MODE:	NORML		TOTAL	

**Emulation Key (EMULAT)** – The universal JetSort has the software capability to emulate or copy a software code. As an example, if the user has a JetSort 3601 but the interface was written for a JetSort 5000 Series machine, simply press the 5000 key. The customer does not need to re-write their interface.

**Emulation Reference:**

Key	Communication Protocol
36/2	022-1752-00 (newest version)
36/1	022-7128-00

## Section I

# JETSORT OPERATIONS

### Emulation Reference (cont.):

Key	Communication Protocol
31/2	022-7111-00
31/1	022-7089-00
5000	022-7110-00

**Protocol Key (PROTCL)** – There are two different versions available when transmitting data from the JetSort to a computer. They are “immediate” or “polled”.

**Immediate:** The JetSort will initiate all transmissions as soon as a report is generated either by keystroke or by a bag limit being reached. The report will be sent through the communication port and a response from the computer is expected. If JetSort does not get a response from the computer, a COMM LINK ERROR will appear.

**Polled:** The receiving computer will initiate all transmissions. The computer must poll the JetSort for data. If any report was generated since the last poll, the JetSort will immediately send out the next report stored in memory.

**Acknowledge Key (ACK)** – JetSort has the option of receiving a “handshake” signal from the receiving device (computer). To receive an acknowledgment, turn the ACK key to ON.

**Limit Report (LIMREP)** – If a bag limit is reached on the JetSort, a message can be sent to the computer. To activate, turn the LIMREP key to ON.

**Mode** – The data from the JetSort is sent to the computer in the form of a report. There are two different modes in which the JetSort can be programmed. If the NORML key is pressed, the normal/typical report will be generated. If the TOTAL key is pressed, only the total amount of the batch will be transmitted.

## Section II JETSORT SET-UP

### PRINTER FORMAT SET-UP

Printer Format Set-up including report print mode (MODE), automatic (AUTO) or on demand (DEMND) printing after Batches and Sub-Batches, ID Breakdown (ID BRK), color printing (COLOR) and bill count (BILCNT) which allows you to have the total (TOTAL) amount of currency processed on the JetScan be printed on the report or have all (ALL) amounts of currency processed on the JetScan be printed on the report. If RED 1 is enabled, the grand total and ID's will print in red. The PRINTER FORMAT SETUP display is shown below:

**\*\* PRINTER FORMAT SETUP \*\***

MODE:	1	2	3	4	WIDE
WHEN:	AUTO	DEMND			
ID BRK:	OFF	ON			
COLOR:	OFF	RED 1	RED 2		
BILCNT:	TOTAL	ALL			

HELP

EXIT

### BAR CODE READER TYPE

If activated, a Bar Code Scanner Gun or Wand can be connected to the JetSort. The BAR CODE READER TYPE display is shown below:

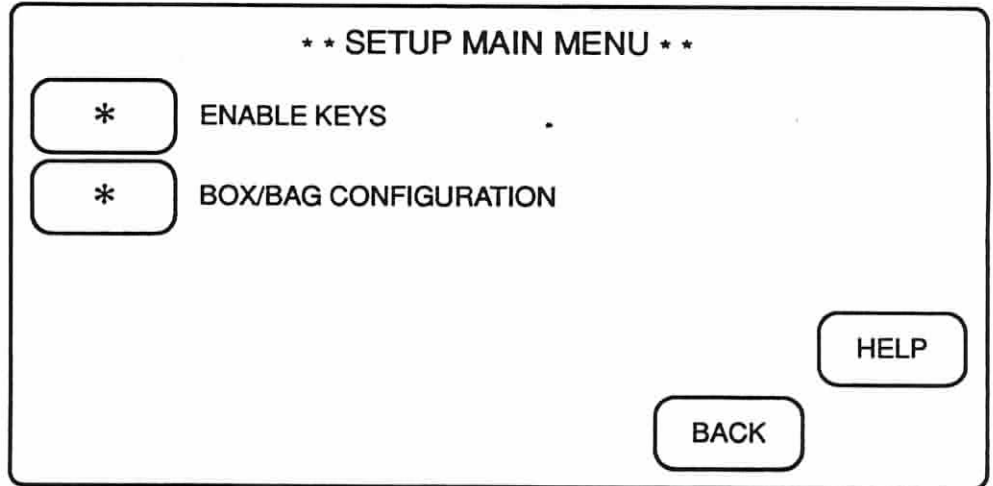
**\*\* BAR CODE READER TYPE \*\***

BCR TYPE:	WAND	SCANR	
AUTO ENTER:	OFF	ON	

### SET-UP MAIN MENU

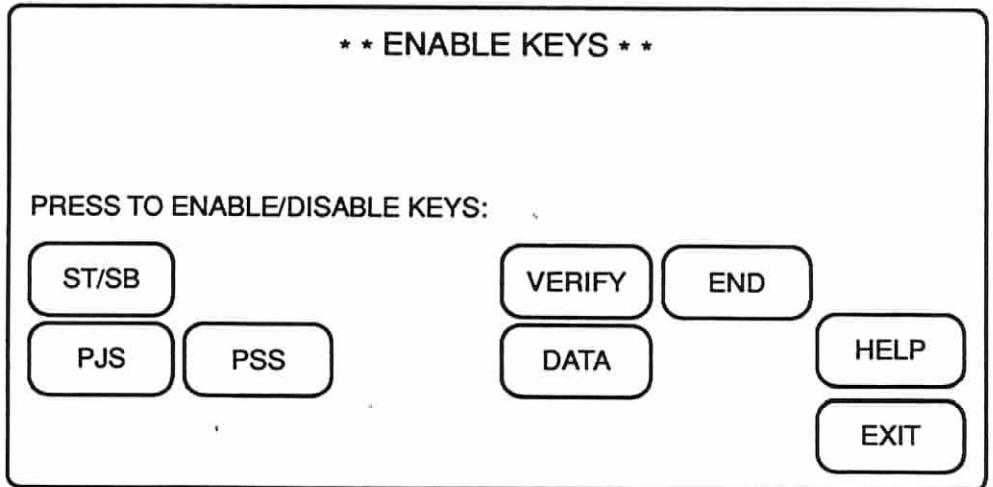
Press the **MORE** key from the SET-UP MAIN MENU screen, to access additional set up options. See display shown on the following page:

## Section II JETSORT SET-UP



### ENABLE KEYS

Enable Keys allow you to enable/disable JetSort features/keys including Start Sub-Batch (START S/BAT) Verify (VERIFY), Programmable Jet Stops (PJS), and Data Entry (DATA) functions. The ENABLE KEYS display is shown below:



## Section II JETSORT SET-UP

### BOX/BAG CONFIGURATION

Box/Bag Configuration allows you to configure your JetSort for collecting coin with bags or boxes. When BAG is chosen for Machine Type, only bags may be chosen for coin collection. JetSort floor standing units must use the BAG configuration. The BOX/BAG CONFIGURATION display is shown below:

\*\* BOX/BAG CONFIGURATION \*\*

MACHINE TYPE:

1c  5c  10c  25c

50c  \$1

When BOX is chosen for Machine Type, you may choose either bags or boxes for coin collection. This feature applies to the JetSort Table Top unit only.

### COIN COUNT SENSOR SET-UP

Coin Count Sensor allows the user to disengage the sensor. *Example: If the 10¢ sensor is set to OFF and a dime is processed through the JetSort, the dime WILL sort but WILL NOT be counted or added to the total batch.*

\*\* COIN COUNT SENSOR SETUP \*\*

SET STATUS FOR EACH COIN'S  
COUNT SENSOR...

1¢  5¢  10¢  25¢

50¢  \$1

## Section III

# JETSORT MAINTENANCE

### HANDLING JAMS

If a jam occurs while sorting coin, or if there is a sensor malfunction, the JetSort will stop immediately, and the Touch Panel Display will blink one of two error messages. If there is a jam that has stopped the table from rotating, a TABLE ERROR message will appear. If a jam occurs at a sensor, a SENSOR ERROR message will appear. The correction procedure for both types of jams is similar.

### CORRECTING JAMS

The first step in correcting either a TABLE ERROR or SENSOR ERROR is to remove the inspection tray and remove all loose coin from the sorting disc area.

Once this is done, press the **CLEAR** key to clear the error. In the case of either type of jam, the JetSort will give you the option of verifying your count or continuing with coin processing. If the table jam message remains, contact your local Cummins office.

In the case of a sensor jam, the display will tell you exactly where it detects an obstruction. You can then clear the obstruction **using a non-metallic tool**. It is important that a non-metallic tool be used so that the sensor is not damaged. If the sensor still detects an obstruction the JetSort will display a "[#]c SENSOR BLOCK cont" error message, indicating the sensor has not been cleared.

After the obstruction is removed, press the **CLEAR** key a second time.

### RECONCILING COUNTS

After clearing a jam, you may either reconcile your counts or continue Batch or Sub Batch processing. If you wish to reconcile the count at the time of the jam, empty the contents of all bags, together with any coin from inside the sort head into the tray and press the **VERIFY** key. Sort the coin (current transaction and the bag contents), then press the red **STOP** key. Press the **VERIFY** key again to end the reconciliation. The display screen now reflects the correct transaction total.

To continue Batch or Sub-Batch processing, press the **CONT** key to resume processing from where the jam occurred or press the **END** key to complete the Batch or Sub-Batch.

## Section III

# JETSORT MAINTENANCE

### JETSORT CARE AND MAINTENANCE

#### CLEANING YOUR JETSORT

The entire sorting chamber of your JetSort should be cleaned at least once a week (daily for high volume coin rooms) to remove coin dust and debris that accumulates in the sorting area.

To clean your JetSort, open the sort head by lifting the two latches that hold it closed. Take a stiff, non-metallic brush and clean the grooves on the underside of the top disk, making sure that you **DO NOT brush the sort pad which rests on the lower disk**. Check the sort pad for any cuts that may affect the sorter's accuracy. Replacement sort pads are readily available from your local Cummins branch office. Close the sort head and be sure to latch it shut. Vacuum the entire chamber area around the sort head.

#### CLEANING THE JETSORT TOUCH PANEL DISPLAY

Spray any standard glass cleaner on a clean cloth. Wipe the Touch Panel Display with rag to remove dirt and dust from screen. **DO NOT spray glass cleaner directly on the Touch Panel Display.**

#### PREVENTATIVE MAINTENANCE

Preventative Maintenance Inspection Agreements are available from Cummins-Allison. A preventative maintenance contract not only helps extend the life of your JetSort, but it also prevents down time and expensive repairs. For additional information, contact your local Cummins branch office.

#### UPGRADING JETSORT

As noted in the introductory section of this manual, there are a number of options available for your JetSort. Any of them can be added to your machine quickly and easily. Among these options are:

ASD	ID Tracking
Bar Code Reader	Printer Kit
Currency Counter Interface	Programmable JetStops
Currency Entry	Remote Display Kit

If you would like to add any of these options to your JetSort, call your local Cummins branch office.

## Section IV—Appendices

### GLOSSARY OF TERMS

**Bag Limits** An industry standard established by the Federal Depository Bank that specifies coin bag fill quantities. They are:

Full Bag Limit:	COIN	FULL LIMIT	BAG VALUE
	\$.01	5,000 coins	\$50.00
	\$.05	4,000 coins	\$200.00
	\$.10	10,000 coins	\$1,000.00
	\$.25	4,000 coins	\$1,000.00
	\$.50	2,000 coins	\$1,000.00
	\$SBA	2,000 coins	\$2,000.00

Half Bag Limit:	COIN	FULL LIMIT	BAG VALUE
	\$.01	2,500 coins	\$25.00
	\$.05	2,000 coins	\$100.00
	\$.10	5,000 coins	\$500.00
	\$.25	2,000 coins	\$500.00
	\$.50	1,000 coins	\$500.00
	\$SBA	1,000 coins	\$1,000.00

**Batch** Money that is recorded as coming from one general source and processed as an over all group.

**BILCNT** Allows you to connect JetScan to JetSort when set to AUTO or DEMND.

**Checks Field** Entry field that allows the input of checks as part of monies received.

**CLEAR Key** The key used to delete information from different areas of JetSort's memory or to clear a screen if an error is made in entering information.

**CONT Key** Restarts the machine and continues counting from the point where it was stopped.

**Currency Field** Entry field that allows the input of currency note totals as part of monies received.

**Date Field** Entry field that makes it possible to track monies by date, normally entered on the key board as MM-DD-YY, then the ENTER key. Field can also be used to track other variables, for example, operators by shift. A maximum of twelve numbers may be entered.

**Day Total** Total monies received during a specific time frame, such as day, half day, etc.

**Declared Balance** Entry field that allows the operator to key in expected totals in order to compare them against actual monies received.



## Section IV—Appendices

### GLOSSARY OF TERMS

<b>END Key</b>	The key used to end a Batch or Sub-Batch.
<b>ENTER Key</b>	Key that allows you to enter numeric values for miscellaneous media, i.e. currency, checks, etc.
<b>ID</b>	Entry field used to track information separated into individual segments (products, operators, etc.) Batches and Sub-Batches are run within this field. Batches and Sub Batches can be cleared while their totals remain in memory under the ID code. Up to 125 fields can be accessed using numbers 1-125.
<b>ID 0</b>	The total of all ID totals entered for the day.
<b>Label Field</b>	Entry fields for tracking information such as route, product, teller, machine, etc., by Batch and Sub-Batch of receipts. A maximum of 12 characters may be entered. <b>Label A</b> – Batch label. Appears in Batch print reports only. <b>Label B</b> – Batch label. Appears in Batch and Sub-Batch print reports. <b>Label C</b> – Sub-Batch label. Appears in Sub-Batch print reports only. <b>Label D</b> – Sub-Batch label. Appears in Sub-Batch print reports only.
<b>Misc Field</b>	Entry field used to enter negotiable instruments such as food stamps, coupons, etc., as part of monies received.
<b>Programmable Jet Stops (PJS)</b>	Programmable Jet Stops. A feature that allows an operator to program the machine to fill bags to a desired count (Stop Limit). Can be programmed on all denominations. Default setting is at Full Federal Bag Limits.
<b>PJS key</b>	Key that allows an operator to enter values for "Programmable Jet Stops."
<b>Sleep Mode</b>	When activated, the sleep mode feature allows the JetSort to be in a stand-by mode. If the JetSort is not used for 20 minutes or longer, the screen on the JetSort will appear blank. To resume using the JetSort, simply press the RED key. The touch screen will re-appear.
<b>START BATCH Key</b>	Key that starts the counting operation for Batches.
<b>START S/BAT Key</b>	Key that starts a new Sub-Batch within a Batch.
<b>STOP Key</b>	The key used to stop the machine at any point in the counting process. The STOP key can also be used to generate on-demand Day Total and ID print reports.
<b>Sub-Batch</b>	Monies processed from one or several sources and treated as subgroups within a Batch. Allows for more detailed tracking of proceeds within a Batch.

## Section IV—Appendices

### GLOSSARY OF TERMS

<b>Verify</b>	A JetSort function that allows coin to be counted without adding to or affecting Batch, Sub-Batch and Day totals.
<b>Verify Key</b>	The key that turns the Verify function on and off.

## Section IV—Appendices

### ERROR MESSAGES

<b>Memory Default</b>	Indicates JetSort has cleared all memory registers (except PJS registers 01 and 02) and has returned to factory defaults. This condition can be induced by holding down the red <b>STOP</b> key while turning on the JetSort.
<b>PJS Memory Initialized</b>	Indicates JetSort has cleared PJS memory registers (except 01 and 02). This condition can be induced by holding down the <END> key while turning on the Jet Sort.
<b>EEPROM ERROR!!</b>	Indicates JetSort has experienced a memory loss on start up. This may affect memory conditions and may result in loss of user defaults. Contact your Cummins office for additional information.
<b>PJS Error Messages:</b>	<p><b>ERROR: ENTRY IS BELOW MIN ALLOWED (10)</b> The stop limit entered for a particular coin denomination is lower than the minimum of ten (10). Enter a stop limit of 10 or more.</p> <p><b>ERROR: ENTRY IS UNEVEN MULTIPLE OF COIN</b> The stop limit entered for a particular coin denomination is an uneven multiple of the coin denomination. Example: \$100.35 stop limit for Quarters. Enter a stop limit that is an even multiple of coin denomination.</p> <p><b>ERROR: ENTRY IS AT OR BELOW CURRENT BAG</b> The stop limit entered for a particular coin denomination is at or below the current bag count. The JetSort will not accept such limits. Enter a stop limit above the current bag count or clear all day totals and re-enter stop limit.</p> <p><b>ERROR: FILE DOES NOT EXIST</b> The PJS file number requested through the PJS GET feature, has not been previously recorded. GET a different PJS file or enter stop limits for new PJS file.</p> <p><b>ERROR: 1¢ (5¢,10¢, 25¢, 50¢, \$1) FILE BAG AT OR BELOW CURRENT</b> The stop limit entered for a particular coin denomination is at or below the current bag count. The JetSort will not accept such limits. Enter a stop limit above the current bag count or clear all day totals and re-enter stop limit.</p> <p><b>LIMIT 1¢ (5¢,10¢, 25¢, 50¢, \$1)</b> JetSort has reached the denomination stop limit for a particular coin denomination. Clear bag or reset stop limit to resume processing.</p>

## Section IV—Appendices

### ERROR MESSAGES

#### PJS Error Messages (cont):

##### WARNING: FILE ALREADY EXISTS, REPLACE?

The file number entered for a new PJS file has been previously used. Enter a different PJS file number or overwrite previously recorded PJS file by pressing the ENTER key.

##### ERROR: INVALID FILE NUMBER

The file number entered for a new PJS file is invalid. JetSort features 25 individual PJS settings. You may save up to 23 custom settings (file numbers 03-25) You may not overwrite file settings 01 and 02 (full and half federal bag limits) and store in memory.

#### Additional Error Messages:

##### ERROR: NEGATIVE NUMBER RESULT

Value entered for correction of Declared Balance, Declared Sub-Balance or other miscellaneous media resulted in a negative number. Re-enter values.

##### WAITING TO SEND DATA

Communication error message. JetSort is waiting to send to the printer or other peripheral device. Wait for JetSort to finish processing data (indicated by removal of error message) and then proceed.

##### HOLD - WAITING FOR COMM POLL

Communication error message. JetSort's data buffer is limited to one batch. JetSort is waiting for an external computer to poll the JetSort for Batch data and cannot process additional Batch data until polled for first Batch data. Wait for poll to take place (indicated by removal of error message) and then proceed.

##### HOLD - WAITING FOR PRINTER

Printer communication error message. JetSort is processing data and waiting to send data to the printer. Wait for JetSort to finish processing data and then proceed.

##### COMM LINK ERROR

Communication error message. JetSort is attempting to process data to be sent to external computer, but the computer isn't responding. Check computer connections.

##### TRYING TO COMM

Communication error message. JetSort is attempting to process data from first Batch, after subsequent Batch has been ended. JetSort will alert operator of **Comm Link Error** regarding first Batch and display **Trying to Comm** error along with time (in seconds) remaining until first Batch data is processed and **Comm Link Error** is cleared. After error message is cleared, JetSort will display first Batch totals.

## Section IV—Appendices

### ERROR MESSAGES

#### Additional Error Messages (cont):

##### **SENSOR ERROR**

Coin processing error message. JetSort senses coin defects, turns off motor and alerts user.

##### **TABLE ERROR**

Coin processing error message. The JetSort senses that the table is not turning at proper operational speed. JetSort turns off motor and alerts user.

##### **1¢ (5¢, 10¢, 25¢, 50¢, \$1) SENSOR BLOCK**

JetSort senses a coin defect or jam at the sensor for a particular coin denomination. JetSort turns off motor and alerts user.