

Realtime Software Corporation - Inventory Operations Manual

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INVENTORY

A. INVENTORY INQUIRY

Type the Screen Jump **II** at any menu for Inventory Inquiry. From this screen you can find all the information about any inventoried item. You have several ways to find and access the item# you are searching for information on. For example item# EON-121190 with description “TAILBD PRO”

If you know the **product#** type it and **ENTER**. (EON-121190)

If you don't know the exact spelling of a description, you can search for similar sounding words *anywhere within the description* by typing **?word** and **ENTER**. (?PRO)

If you know the exact spelling of a word anywhere within the description, you can search by typing **??word** and **ENTER** (??TAILBD)

You can also search through an index by item# by typing **?:** and **ENTER**. You can narrow the search if you know the beginning of the number (?:EON-12).

You can also search through an index by description by typing **?;** and **ENTER**. You can narrow the search if you know the beginning of the description (?:TAI).

You can also type a user-defined **cross-reference** and **ENTER** to find item numbers. See Inventory Maintenance section, for more information about cross-references.

```
IN03H  CW REALTIME SOFTWARE CORP                INVENTORY INQUIRY                07 Oct 04
ITEM NUMBER XXXXXXXXXXXXXXXXXXXXXXXX

Enter ITEM number or
'?' + DESCRIPTION to search for similar-sounding names or
'??'+ DESCRIPTION to search for partial EXACT spelling of a Description
'?:' + ITEM NUMBER to see an INDEX By Item number
'?;' + DESCRIPTION to see an INDEX By Description
```

If the “Product Line Verify” flag has been set in the Inventory control record, then all item numbers will be made up of a 3-character alpha prefix followed by a delimiting character, followed by the supplier's item#. These first four characters (prefix plus delimiter) constitute a product line. A product line is group of like products, usually from one supplier, that have similar stocking, costing and pricing characteristics. Most systems are set up with a separate delimiter for each category of inventory (e.g. dash (-) if parts, a dot (.) if equipment, a plus (+) if apparatus, and a comma (,) if labor). Our example EON-121190 that would be a part due to the dash delimiter. The alpha prefix also helps determine who the vendor is for that product.

All inventory numbers can be pulled up on the screen by typing just the number following the prefix and character. Type the **item number** at the inventory inquiry screen, and then **ENTER**.

```
IN03H  CW REALTIME SOFTWARE CORP                INVENTORY INQUIRY                07 Oct 04
ITEM NUMBER 121190.....

Enter ITEM number or
'?' + DESCRIPTION to search for similar-sounding names or
'??'+ DESCRIPTION to search for partial EXACT spelling of a Description
'?:' + ITEM NUMBER to see an INDEX By Item number
'?;' + DESCRIPTION to see an INDEX By Description
```

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The price is what your company is selling it for as a default. MSRP is suggested list price from the manufacturer. Cost is the current cost from your supplier. You can see on-hand, committed, available, on order, etc. From the inventory inquiry screen, you have many options listed at the bottom of the screen to see more detail about this product number.

IN03H CW REALTIME SOFTWARE CORP				INVENTORY INQUIRY				07 Oct 04			
ITEM NUMBER EON-121190											
DESCRIPTION TAILBD PRO											
PROD GROUP		12		CATEGORY/COMMODITY P				WEIGHT			
STOCK UOM		EA		TYPE		POR		PKG. QTY			
PRICE		512.73000		STATUS				LAST DATE 06/29/04			
COST		314.56000		ABC CLASS				INACTIVE FLAG			
MSRP		524.27000		PC/CATALOG				PRIMARY VENDOR 10194			
LAST COST		314.56000		REPLACED BY							
PRICE DISC CODE		E1P		PRICE CALC CODE		E1P		NLA FLAG/DATE			
SI LOCATN		ON-HAND		COMM		AVAIL		O/O		DROP	
01		1		1		0		0		0	
-----		-----		-----		-----		-----		-----	
		1		1		0		0		0	
		1		1		0		0		0	
		1		1		0		0		0	
ENTER S)ITE, 'DISC', X)REF, SA)LES, 'IO' ORDERS, 'IH' HISTORY, 'PI' INVOICES, 'SN' S/N'S ON HAND, I)NDEX, N)EXT, P)REVIOUS, RTN FOR ITEM#, O)PTIONS											

The most common inquiries are listed on the first inquiry screen, but the **O for options** shows you even more options to research in Inventory Inquiry. Any of the options can be typed at the very first inquiry screen even though they are not listed there. Many of these inquiry options have additional inquiry features associated with them, available by entering prompts from the change line. They are listed below with a brief description.

- A-Additional Information – data related to warranty, rebate issues
- BL-Bin/Lot Details – display of bin/lot data on a per site basis
- C-Toggle Cost Display – suppresses/un-suppresses display of cost and list prices
- CF – Conversion Factors – display of applicable UOM conversions
- DESC-Description – additional descriptions for general, quote, purchasing and internal use
- DH-Demo History – display of demos performed and results
- DISC-Discount Information – quantity discount levels and pricing
- DR-Demo Requests – display of active demo requests for the item
- DRH-Demo Request History – display of past demo requests for the item
- I-Inventory Index – scrolling index of items beginning with current item
- IC-Inventory Customer – customer item number reference with pricing
- IH-Inventory History – display of all transactions
- IK-Inventory Kit Inquiry – display of kit components, required and optional
- IO-Inventory Orders – detail information on all orders/quotes/Po's – see below
- IP-Inventory Price Level – levels and pricing established and tied to customer level
- IV-Inventory Vendor – vendor cross-reference item and costing information
- N-Next Item – advances display to next sequential item#
- P-Previous Item – changes display to previous sequential item#
- PD-P/O Display – display of open purchase orders by site
- PH-Price History – display of dates/amounts of price changes

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PI-Inventory Invoices – display of sales invoices based on input criteria
PR-P/O Receipts History – receipts for site/dates specified by user
RB-Replaced By – quantity/item that this item was replaced by
RF-Replaced From – quantity/item that this item replaces
S-Site – Site-specific information such as reorder data, on-hand quantities, etc
SA-Sales History – summary sales quantities by period for current and last year
SH-Serial Number History- display of sold and on-hand units
SN-Serial Numbers On Hand – display of units on-hand
U-User History – display of users who have changed the item record
X-Xref – item number cross-references

U will provide you with a display of the times and dates an item has been accessed, *and the user who accessed them*. This information can come be valuable in tracking down unexpected changes in an item or errors, provided you know the time frame the situation arose.

```
IN03H  CW REALTIME SOFTWARE CORP                USER HISTORY INQUIRY                09 Oct 04
PART # 2  TESTING

      DATE      TIME  USER ID - NAME          PORT  ACCOUNT NAME  TYPE      DOCUMENT#
-----
05/15/04 18:04 PFR - PAUL RIDGWAY      4     BCP-TEST6    PART NBR  ACCESSED
05/15/04 18:04 PFR - PAUL RIDGWAY      4     BCP-TEST6    PART NBR  ACCESSED
06/27/03 09:24 WSB - SCOTTY BRAUER     4     BCP-TEST6    PART NBR  ACCESSED
06/27/03 09:08 WSB - SCOTTY BRAUER     4     BCP-TEST6    PART NBR  ACCESSED
05/20/03 13:32 PFR - PAUL RIDGWAY      2     BCP-TEST6    PART NBR  ACCESSED
05/20/03 13:32 PFR - PAUL RIDGWAY      2     BCP-TEST6    PART NBR  ACCESSED
05/20/03 11:50 PFR - PAUL RIDGWAY      1     BCP-TEST6    PART NBR  ACCESSED
05/20/03 11:46 PFR - PAUL RIDGWAY      1     BCP-TEST6    PART NBR  ACCESSED
05/20/03 11:45 PFR - PAUL RIDGWAY      1     BCP-TEST6    PART NBR  ACCESSED
05/20/03 11:45 PFR - PAUL RIDGWAY      1     BCP-TEST6    PART NBR  ACCESSED
05/20/03 11:44 PFR - PAUL RIDGWAY      1     BCP-TEST6    PART NBR  ACCESSED
05/20/03 11:44 PFR - PAUL RIDGWAY      1     BCP-TEST6    PART NBR  ACCESSED
05/19/03 18:01 PFR - PAUL RIDGWAY      2     BCP-TEST6    PART NBR  ACCESSED

ENTER P TO PAGE OR ANY OTHER KEY TO RETURN TO PREV SCREEN .
```

IO will prompt you for site (**01**) and then you will have many different options for viewing orders and purchase orders.

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```

IN03F CW REALTIME SOFTWARE CORP                INVENTORY ORDERS DISPLAY                07 Oct 04

ENTER PART# EON-121190                        TAILBD PRO
ENTER SITE# 01  FUTURE ORD                    0    UOM        EA        COST        314.560
ON HAND      1  COMMITT                      1    ON QUOTE    PRICE        512.730
AVAIL        0  ON ORDER                    ON DROP        LOCATION
=====
(C) FOR CUSTOMER OPEN ORDERS                | TO SAVE TIME, ENTER CN TO VIEW
(CC) FOR ALL CUSTOMER ORDERS                  | OPEN CUSTOMER ORDERS FROM NEWEST TO
(CH) FOR CUSTOMER ORDER HISTORY              | OLDEST OR ENTER CO TO VIEW OPEN
(P) FOR OPEN PURCHASE ORDERS                 | CUSTOMER ORDERS FROM OLDEST TO NEWEST
(PC) FOR ALL PURCHASE ORDERS                  |
(PH) FOR PURCHASE ORDER HISTORY              | VALID CHOICES ARE:
(Q) FOR CUSTOMER OPEN QUOTES                  | C, CO, CN, CC, CCO, CCN, CH, CHO, CHN
(QC) FOR ALL CUSTOMER QUOTES                  | P, PO, PN, PC, PCO, PCN, PH, PHO, PHN
(QH) FOR CUSTOMER QUOTE HISTORY              | Q, QO, QN, QC, QCO, QCN, QH, QHO, QHN
(W) FOR OPEN WORK ORDERS                     | W, WO, WN, WH, WHO, WHN
(WH) FOR WORK ORDER HISTORY                   | I, IO, IN, WC
(I) FOR INVOICES                             |
(WC) FOR WORK ORDER COMPONENTS               |

ENTER ABOVE SELECTIONS, OR (RTN) FOR NEXT SITE                C.....
    
```

Type **C** and **ENTER** to view open orders for a customer and then type either O for Oldest or N for Newest and **ENTER**. You can also type **CN** if you want to see customer orders, newest to oldest. Then type the **order#** you want to see and **ENTER** display the underlying order. Follow further options to see detail of order.

```

IN03F CW REALTIME SOFTWARE CORP                INVENTORY ORDERS DISPLAY                07 Oct 04

ENTER PART# EON-121190                        TAILBD PRO
ENTER SITE# 01  FUTURE ORD                    0    UOM        EA        COST        314.560
ON HAND      1  COMMITT                      1    ON QUOTE    PRICE        512.730
AVAIL        0  ON ORDER                    ON DROP        LOCATION
=====
ORDER  D FD  ** OPEN CUSTOMER ORDERS **      QTY  QTY  QTY TO ORD
ORDER# SEQ TYPE  P T CUST#  CUSTOMER NAME  SHIP DATE  ORD  SHIPD  SHIP  UOM
359326 002 SERV  S  13150  CREEDMOOR VOLU 07/30/04    1          1 EA

ENTER (P)AGE, (PB)PAGE BACK, ORDER#, RETURN, * FOR NEXT PART#                359326
    
```

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```

OE12      CW REALTIME SOFTWARE CORP                OPEN ORDER INQUIRY                07 Oct 04

ORDER #   359326                SERVICE TAG# 5040
CUST#    13150                SHIP-TO
NAME     CREEDMOOR VOLUNTEER    CREEDMOOR VOLUNTEER
ADDR 1   FIRE DEPARTMENT, INC.  S   FIRE DEPARTMENT, INC.
ADDR 2   P O BOX 810           H T P O BOX 810
CITY     CREEDMOOR            I O CREEDMOOR
ST/CNTY  NC                   P   NC
ZIP/PST  27522                27522
COUNTRY

ORDER DATE 07/30/04                ORDERED BY JIMMY
SINGLE/MULTIPLE SHIP DATES (S/M) S  TERMS      30          TECH:
SHIP DATE  07/30/04                ORDER TYPE SERV    STAT: O
CUST P.O.  JIMMY                   SHIP VIA  UPS GROUND
SPECIAL INSTRUCTIONS                FOB
                                        SLMN1 11    SLMN2 40    SLMN2 %
                                        OVERRIDE LINE ITEM TAX CD
                                        QUOTE#          P/O# 146170
                                        A/R CUSTOMER#

(S)ERVICE, (L)ABOR, (M)ANIFEST, (U)SER HIST                ORDER STATUS O
ENTER * FOR NEXT ORDER, PI/PO TO PAGE INSTR/ORDER NOTES, (A)CCT DIST.
(D)ETAIL LINES, (T)OTALS, RTN FOR NEXT ORDER, (O)THER HEADER INFORMATION ..
    
```

Type P for open purchase orders on this item.

```

IN03F CW REALTIME SOFTWARE CORP                INVENTORY ORDERS DISPLAY                29 May 03

ENTER PART# EON-121351                PADS
ENTER SITE# 01                UOM      EA      COST      19.74000
ON HAND      2  COMMITT            0      ON QUOTE  0      PRICE      26.65000
AVAIL        2  ON ORDER            ON DROP          LOCATION
=====

(C) FOR CUSTOMER OPEN ORDERS                | TO SAVE TIME, ENTER CN TO VIEW
(CC) FOR ALL CUSTOMER ORDERS                | OPEN CUSTOMER ORDERS FROM NEWEST TO
(CH) FOR CUSTOMER ORDER HISTORY            | OLDEST OR ENTER CO TO VIEW OPEN
(P) FOR OPEN PURCHASE ORDERS                | CUSTOMER ORDERS FROM OLDEST TO NEWEST
(PC) FOR ALL PURCHASE ORDERS                |
(PH) FOR PURCHASE ORDER HISTORY            | VALID CHOICES ARE:
                                            (partial screen)
    
```

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Type the PO# you wish to view.

```

IN03F CW REALTIME SOFTWARE CORP          INVENTORY ORDERS DISPLAY          29 May 03

ENTER PART# EON-379374                    GRAY RIVETS
ENTER SITE# 01  FUTURE ORD          0    UOM          EA          COST          0.23000
ON HAND   -152  COMMITT            25    ON QUOTE          PRICE          0.48000
AVAIL     -177  ON ORDER            200    ON DROP          LOCATION
=====
          ** OPEN PURCHASE ORDERS **
ORDER#  SEQ VEND#  VENDOR NAME          ORDER  C D PO          QTY    QTY ORD
          DATE          F S TYPE          ORD    REC UOM
136830 001 10194  EMERGENCY ONE, INC.          05/08/03          200    0 EA

ENTER (P)AGE, (PB)PAGE BACK, ORDER#, RETURN, * FOR NEXT PART#  136830
    
```

```

VM01Q CW REALTIME SOFTWARE CORP          PURCHASE ORDER INQUIRY          29 May 03

ORDER # 136830                                JLG
VENDOR 10194                                S
NAME    EMERGENCY ONE, INC.                  H T
ADDR 1  C/O SUN TRUST BANK                    I O
ADDR 2  P O BOX 116135                        P
CITY    ATLANTA
ST/CNTY GA
ZIP/PST 30368-6135
COUNTRY                                BUYER NAME    JLG
                                CONFIRMING
                                STATUS          PRINTED
                                RECORD TYPE    INVENTORY P/O
                                SHIP VIA      BEST WAY
                                SALES ORDER#
                                TRANSMIT DATE/TIME
                                DELIVER TO
                                PROJECT#        STOCK
                                PO TYPE
                                DEPARTMENT

ORDER DATE 05/08/03
SINGLE/MULTIPLE SHIP DATES (S/M) S
DATE REQUIRED 05/08/03
FOB
SPECIAL INSTRUCTIONS

ENTER * OR RTN FOR NEXT ORDER, (F)AX, (U)SER HIST,
      (A)P INVOICE #'S, (P)AGE INSTRUCTIONS, (D)ETAIL LINES OR (T)OTALS .
    
```

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IH will show you invoice history plus purchase orders and receipts.

IN03H CW REALTIME SOFTWARE CORP	INVENTORY INQUIRY	29 May 03
ITEM NUMBER EON-121351	PADS	
S = SITE	DISC = DISCOUNT INFORMATION	
X = XREF	DESC = DESCRIPTION	
A = ADDITIONAL INFORMATION		
IO = INVENTORY ORDERS	I = INVENTORY INDEX	
IH = INVENTORY HISTORY	N = NEXT ITEM	
PI = INVENTORY INVOICES	P = PREVIOUS ITEM	
SH = SERIAL NUMBER HISTORY	U = USER HISTORY	
SN = SERIAL NUMBERS ON HAND		
SA = SALES HISTORY	PR = P/O RECEIPTS HISTORY	
PH = PRICE HISTORY	PD = P/O DISPLAY	
RF = REPLACED FROM	RB = REPLACED BY	
IC = INVENTORY CUSTOMER		
IV = INVENTORY VENDOR	IP - INVENTORY PRICE LEVEL (<i>partial screen</i>)	

Shipment shows the invoice number. PO Rcpt shows **PO# first**, then **Receiver#**..

IC06A CW REALTIME SOFTWARE CORP	INVENTORY HISTORY	DISPLAY 29 May 03
PART NUMBER EON-121351	PADS	UOM EA
I N V E N T O R Y	H I S T O R Y	S U M M A R Y
JAN 0 FEB 0 MAR 0 APR 0 MAY 0 JUN 0	TOT LYR	
JUL 0 AUG 0 SEP 0 OCT 0 NOV 0 DEC 0	0	
JAN 0 FEB 0 MAR 0 APR 4 MAY 0 JUN 0	TOT YTD	
JUL 0 AUG 0 SEP 0 OCT 0 NOV 0 DEC 0	4	
O/H		
TRANS TYPE SI	DATE	ACTUAL AFTER LOCATION DOCUMENT SERIAL/BIN/LOT QTY
-----	---	-----
SHIPMENT 01	04/25/03	-4 2 429874 *013
PO RCPT 01	04/25/03	4 6 136555 * 151755
ENTER P TO PAGE, PB TO PAGE BACK, C)HOICES * OR RTN FOR NEXT PART ..		
** END OF HISTORY **		

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PD will display purchase orders on a particular product#.

```
IN03H  CW REALTIME SOFTWARE CORP          INVENTORY INQUIRY          29 May 03

      ITEM NUMBER EON-379374          GRAY RIVETS
S   = SITE                               DISC = DISCOUNT INFORMATION
X   = XREF                               DESC = DESCRIPTION
A   = ADDITIONAL INFORMATION
IO  = INVENTORY ORDERS                  I   = INVENTORY INDEX
IH  = INVENTORY HISTORY                 N   = NEXT ITEM
PI  = INVENTORY INVOICES               P   = PREVIOUS ITEM
SH  = SERIAL NUMBER HISTORY            U   = USER HISTORY
SN  = SERIAL NUMBERS ON HAND
SA  = SALES HISTORY                    PR  = P/O RECEIPTS HISTORY
PH  = PRICE HISTORY                   PD = P/O DISPLAY
RF  = REPLACED FROM                   RB  = REPLACED BY
IC  = INVENTORY CUSTOMER
IV  = INVENTORY VENDOR                 IP  = INVENTORY PRICE LEVEL
IK  = INVENTORY KIT INQUIRY           DR  = DEMO REQUESTS

                                           (partial screen)
ENTER SELECTION, RETURN TO CONTINUE, OR * FOR NEXT ITEM      PD..
```

You cannot view the detail of purchase orders from this particular display.

```
PO03C  CW REALTIME SOFTWARE CORP          PURCHASE ORDER DISPLAY          29 May 03
                                           BY ITEM
FOR ITEM EON-379374          GRAY RIVETS          UOM = EA
O SI ORDER      LINE      DUE      ORDERED  BALANCE  VENDOR VENDOR
S   NUMBER      NBR      DATE      QUANTITY OUTSTAND  NUMBER NAME
  01 136830      001 05/08/03      200      200 10194 EMERGENCY ONE, INC.

RETURN FOR ANOTHER ITEM, P TO PAGE, OR * TO VOID .
```

From the main inquiry display screen, type **S** for site (**01**) and you can then inquire for sales history, order activity, reorder points, LIFO FIFO information, etc for site '01'.

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```

IN03H CW REALTIME SOFTWARE CORP          INVENTORY INQUIRY          29 May 03
ITEM NUMBER EON-430427
DESCRIPTION      CIRCUIT BREAKER
PROD GROUP      12          CATEGORY/COMMODITY A      WEIGHT
STOCK UOM       EA          TYPE          POR          PKG. QTY
PRICE           194.29000  STATUS          LAST DATE          03/20/03
COST            143.92000  ABC CLASS          INACTIVE FLAG
MSRP            239.87000  PC/CATALOG        PRIMARY VENDOR 10194
LAST COST       143.92000  REPLACED BY
PRICE DISC CODE      E1P  PRICE CALC CODE      E1P  NLA FLAG/DATE

SI LOCATN  ON-HAND  COMM  AVAIL  O/O  DROP  FUTURE  TRNSFR  QTY  QTY
01         0       0      0     0    0    ORDER   QTY   YTD  LYR
-----
          0       0      0     0    0    0       0   0    1    0

ENTER SITE, 'DISC', X)REF, SA)LES, 'IO' ORDERS, 'IH' HISTORY, 'PI' INVOICES,
'SN' S/N'S ON HAND, I)NDEX, N)EXT, P)REVIOUS, RTN FOR ITEM#, O)PTIONS S...
    
```

```

IN03H CW REALTIME SOFTWARE CORP          INVENTORY INQUIRY          29 May 03
ITEM NUMBER EON-430427          CIRCUIT BREAKER          STOCK UOM EA
SITE          01 CW WILLIAMS          ON HAND          0
          COMMITTED          0
          PRIMARY LOCATION          BACKORDERED
          REORDER QUANTITY          ON QUOTE          AVAILABLE          0
          MINIMUM REORDER QTY          LAST INV DATE 04/02/03  FLOOR STOCK
          MAXIMUM REORDER QTY          YTD QTY RCVD 1          ON ORDER
          MULTIPLE REORDER QTY          YTD TOTAL RECEIPT COST  IN-STATUS
          REORDER POINT          143.92000          ALLOCATED
          CRITICAL POINT          BACKISSUED
          MAXIMUM POINT          TRANSFER QTY          PLANNED REQ'D
          STORED AT DEPT          FUTURE ORDER          QTY SOLD YTD          1
          LINE ITEM TAX CODE          QTY SOLD LYR
          PRIMARY VENDOR          TIMES SOLD YTD          1
          SECONDARY LOCATION          TIMES SOLD LYR
          LAST ORDER          03/31/03          QTY ON DROP
          LAST ACTIVITY 04/02/03  SALES YTD          165.00
          LAST INV DATE          SALES LYR
          NEXT INV DATE          PROFIT YTD          21.08

ENTER O)PTIONS, N)EXT SITE, SA)LES, R)EORDER POINT, RTN, * FOR NEXT ITEM,
IH) INV HISTORY, BL) BIN/LOT/SERIAL DATA, OR LF) LIFO/FIFO INQUIRY          ..
    
```

For serialized product, you can inquire on the item number itself as instructed on the previous pages. To identify apparatus and serial# specifically, you have two options at the inquiry screen. **SH** will display items sold plus items on hand. **SN** will display just items on hand plus additional information such as cost

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IN03H CW REALTIME SOFTWARE CORP		INVENTORY INQUIRY				29 May 03			
ITEM NUMBER EON+COMPUMP									
DESCRIPTION		COMM. PUMPER		WEIGHT					
PROD GROUP	10	CATEGORY/COMMODITY A		WEIGHT					
STOCK UOM	EA	TYPE	POR	PKG. QTY					
PRICE	0.00000	STATUS		LAST DATE		03/13/03			
COST	0.00000	ABC CLASS		INACTIVE FLAG					
MSRP	0.00000	PC/CATALOG		PRIMARY VENDOR		10194			
LAST COST	0.00000	REPLACED BY							
PRICE DISC CODE	EON	PRICE CALC CODE	EON	NLA FLAG/DATE					
SI LOCATN	ON-HAND	COMM	AVAIL	O/O	DROP	FUTURE ORDER	TRNSFR QTY	QTY YTD	QTY LYR
01	9	6	3	22		0	0	3	

	9	6	3	22	0	0	0	3	0
ENTER S)ITE, 'DISC', X)REF, SA)LES, 'IO' ORDERS, 'IH' HISTORY, 'PI' INVOICES, 'SN' S/N'S ON HAND, I)NDEX, N)EXT, P)REVIOUS, RTN FOR ITEM#, O)PTIONS SH ..									

If there's a customer name it is sold. If there is a site (01) then it is on-hand. You can see further detail by selecting the **SEQ number** to the left corresponding to the S/O# you want to display.

IN03J CW REALTIME SOFTWARE CORP		SERIAL# HISTORY INQUIRY				29 May 03	
ITEM NUMBER EON+COMPUMP		COMM. PUMPER		STOCK UOM EA			
SITE ALL				ON HAND		AVAIL	
	SERIAL	CUSTOMER		S S	DATE	COND.	SALES
SEQ	NUMBER	SI	NAME	O B	SOLD	CODE	INVC#

1	126464	01					
2	126461	01		Y			
3	126460	01		Y			
4	126292		CLARKS NECK VOLUNTEER	Y	03/31/03		429482
5	126224		CASTORIA RURAL FIRE ASSOC.		04/30/03		430055
6	126220		RAYNHAM-MCDONALD VOL. FRED		03/01/03		39912
7	125916		RED OAK VOL. FIRE DEPT.		03/25/03		429377
8	124270		FALKLAND FIRE DEPT.				
9	123806		PRINCEVILLE FIRE DEPARTMEN				
10	123088		GASTON VOLUNTEER	Y			
11	122870		ANTIOCH RURAL FIRE DEPARTM				
12	122639		CIVIETOWN FIRE DEPARTMENT	Y			
ENTER (P)AGE, (PB)PAGE BACK, * FOR NEXT ITEM#, SEQUENCE FOR SERIAL#, ^ TO REDISPLAY ITEM#, 5							

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```

SN03A  CW REALTIME SOFTWARE CORP          SERIAL MASTER INQUIRY          29 May 03

SERIAL NUMBER 126224          PART # EON+COMPUMP          SITE
DLM 04/24/03          DESC COMM. PUMPER
SOLD TO# 16532  CASTORIA RURAL FIRE ASSOC. / USER CASTORIA RURAL FIRE ASSOC.
LOCATION          CASTORIA          CONDITION CODE
          DEMO FLAG
FLOORPLAN ITEM Y          DUE DATE 04/13/03          WARRANTY EXP DATE 04/24/04
VENDOR# 10194          INVOICE# 10059989
PAYMENT FLAG F          EXTENDED WARR (Y/N)
AMOUNT PAID          EXT WARR CONTRACT#
CHECK NUMBER 047760  CHK DATE 04/11/03          INSTALL DATE
ACQUISITION COST 113,388.00          SERVICE ORDER COMMENTS
ADDED VALUE 7,963.83
TOTAL COST 121,351.83  SERV ORD'S-N  SERV BLTN'S-N
          LAST SERV ORD HR MTR READING 27  DATE 05/07/03

PARENT
P/O NUMBER 135851          SALES ORDER 345529
RECEIVED DATE 04/04/03          INVOICE NO. 430055  LINE 001
RECEIVER NO 151308          DATE 04/30/03  PRICE 138,696.00
'AV/AVD' ADDED VALUE, 'DR/DRH' DEMO REQUEST, 'SB' SRVC BULL, 'DH' DEMO HIST,
(S)OLD TO, 'C/P' CURR/PREV USER, (Q)UOTES, (O)RDER#'S, (I)NVOICE#'S, (AP)
(A)DDL, (DI)NVOICE, (OI)ORDER, (T)EXT, 'PO/POR' PO/RCPTS RTN NEXT SERIAL# ...
    
```

To display only serialized product on-hand, type **SN** at the inquiry screen.

```

IN03H  CW REALTIME SOFTWARE CORP          INVENTORY INQUIRY          29 May 03

ITEM NUMBER EON+ALAD
DESCRIPTION  AERIAL LADDER
PROD GROUP 10          CATEGORY/COMMODITY A          WEIGHT
STOCK UOM  EA          TYPE          POR          PKG. QTY
PRICE 0.00000          STATUS          LAST DATE 03/12/03
COST 0.00000          ABC CLASS          INACTIVE FLAG
MSRP 0.00000          PC/CATALOG          PRIMARY VENDOR 10194
LAST COST 0.00000          REPLACED BY
PRICE DISC CODE          EON  PRICE CALC CODE          EON  NLA FLAG/DATE

SI LOCATN  ON-HAND  COMM  AVAIL  O/O  DROP  FUTURE  TRNSFR  QTY  QTY
          ORDER  QTY  YTD  LYR
01          1          1          0          0          0          0          0          1          0
-----
          1          1          0          0          0          0          0          1          0

ENTER S)ITE, 'DISC', X)REF, SA)LES, 'IO' ORDERS, 'IH' HISTORY, 'PI' INVOICES,
'SN' S/N'S ON HAND, I)NDEX, N)EXT, P)REVIOUS, RTN FOR ITEM#, O)PTIONS SN..
    
```

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You can then select the **sequence number** for more detail on a particular truck.

IN03I CW REALTIME SOFTWARE CORP		ON HAND SERIAL# INQUIRY				29 May 03	
ITEM NUMBER	EON+ALAD	AERIAL LADDER		STOCK UOM EA			
SITE	ALL	ON HAND		1	AVAIL	0	
SEQ	SERIAL NUMBER	SI	TOTAL COST	DATE RECEIVED	RESRVE ORDER	RES LIN O B	S S LOCATION P DUE DATE
1	125806	01	398,952.00	03/13/03	344793	001 Y	MARION2 F 01/25/03

ENTER (P)AGE, (PB)PAGE BACK, * FOR NEXT ITEM#, SEQUENCE FOR SERIAL#,
 ^ TO REDISPLAY ITEM#, 1.....

The other inquiry options for even more detail are along the bottom of the screen.

SN03A CW REALTIME SOFTWARE CORP		SERIAL MASTER INQUIRY		29 May 03	
SERIAL NUMBER	125806	PART #	EON+ALAD	SITE 01	
DLM	03/20/03	DESC	AERIAL LADDER		
LOCATION	MARION2	CONDITION CODE			
FLOORPLAN ITEM	Y	DUE DATE	01/25/03	DEMO FLAG	
VENDOR#	10194	INVOICE#	10055337	WARRANTY EXP DATE	
PAYMENT FLAG	F	EXTENDED WARR	(Y/N)	EXT WARR CONTRACT#	
AMOUNT PAID		INSTALL DATE		SERVICE ORDER COMMENTS	
CHECK NUMBER	047565	CHK DATE	03/26/03		
ACQUISITION COST		0.00			
ADDED VALUE	398,952.00				
TOTAL COST	398,952.00	SERV ORD'S-Y	SERV BLTN'S-N		
PARENT		LAST SERV ORD HR MTR READING 95 DATE 04/23/03			
P/O NUMBER		SALES ORDER	344793*001		
RECEIVED DATE	03/13/03	INVOICE NO.	LINE		
RECEIVER NO	INV-SK	DATE	PRICE		
'AV/AVD' ADDED VALUE, 'DR/DRH' DEMO REQUEST, 'SB' SRVC BULL, 'DH' DEMO HIST, (S)OLD TO, 'C/P' CURR/PREV USER, (Q)UOTES, (O)RDER#'S, (I)NVOICE#'S, (AP) (A)DDL, (DI)INVOICE, (OI)ORDER, (T)EXT, 'PO/POR' PO/RCPTS RTN NEXT SERIAL# ...					

INVENTORY

B. INVENTORY MAINTENANCE

Type **Screen Jump IM** to either make changes to a item number or add a new item number. The screen is identical to Inventory Inquiry and you will use the same search commands or type the item number as previously discussed in Inventory Inquiry.

```
IN02A  RSC Realtime Software Corporation      INVENTORY MAINTENANCE      08 Oct 04

ITEM NUMBER  XXXXXXXXXXXXXXXXXXXXXXXX

Enter ITEM number or
'?' + DESCRIPTION to search for similar-sounding names or
'??'+ DESCRIPTION to search for partial EXACT spelling of a Description
'?:'+ ITEM NUMBER to see an INDEX By Item number
'?;' + DESCRIPTION to see an INDEX By Description

Enter COPY to copy an existing Item to a new Item#

Enter PL to scroll through the Product Line Table
```

The **COPY** function can be used to easily setup item numbers that have similar properties. Simply type **COPY** and **ENTER**. Input the existing item# at the first prompt and ENTER Type the new item# to be created at the next prompt and ENTER

```
COPY CW REALTIME SOFTWARE CORP                MASTER COPY - ITEM#

COPY FROM ITEM#          JAC-1111           Enter * at COPY FROM to exit
COPY TO ITEM#           JAC-12345.....      Enter * at 'COPY TO' to return
                                                                to 'COPY FROM' prompt
```

The inventory maintenance screen for the new item# will be displayed. Update data in any of the numbered fields and post.

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```
IN02A  CW REALTIME SOFTWARE CORP                INVENTORY MAINTENANCE                08 Oct 04

ITEM NUMBER  JAC-12345

 1. DESCRIPTION BEDKNIFE
 2. PROD GROUP 10  STOCK UOM EA  18. XREF NUMBER 12345
 3. TYPE D        POR           19. SHELF LIFE (DAYS) 365
 4. COST                0.00000  20. GROUP PRICE ID
 5. PRICE              21.00000  21. PRODUCT CODE      96
 6. MSRP              28.00000  22. WEIGHT                10.00
 7. LAST COST         28.00000  23. ORDER NON-TAX (Y/NULL)
 8. PRICE DISC CODE   JAD       24. NLA FLAG/DATE
 9. PRICE CALC CODE   JAC       25. MAKE/BUY CODE        M
10. CATEGORY/COMMODITY P       26. MFG PART TYPE        MAKE-TO-ORDER
11. PACKAGE QTY      003       27. MATL MOVE CODE      C
12. STATUS
13. ABC CLASS        B        29. PLANNER CODE
14. CATALOG          RET       30. SHRINK FACTOR
15. PRIMARY VENDOR   1        31. CARRY RATE
16. LEAD TIME        OFFSET    32. REPLACED BY PART
17. INACTIVE FLAG
ENTER S)ITE MAINT. & POST ABOVE DATA, C)ONVERSION FACTOR MAINT., O)PTIONS
ENTER#, * - VOID, D)ELETE, N)EXT, P)REVIOUS, I)NDEX, ^ OR RTN - POST ..
```

For systems using the product-line verify, the **PL** function is a useful tool to verify that a product line exists for the item# about to be created. Type **PL** and **ENTER** to scroll through a display of existing product lines.

```
IN02A  RSC Realtime Software Corporation        INVENTORY MAINTENANCE                08 Oct 04

ITEM NUMBER  PLXXXXXXXXXXXXXXXXXXXXX

Enter ITEM number or
'?' + DESCRIPTION to search for similar-sounding names or
'??'+ DESCRIPTION to search for partial EXACT spelling of a Description
'?:'+ ITEM NUMBER to see an INDEX By Item number
'?;'+ DESCRIPTION to see an INDEX By Description

Enter COPY to copy an existing Item to a new Item#

Enter PL to scroll through the Product Line Table
```

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```
IN02A  CW REALTIME SOFTWARE CORP                INVENTORY MAINTENANCE      08 Oct 04
      Display of the PRODUCT-LINE table, by Code
SQ  Code  Description
  1  GOQ-  GOOSSEN INDUSTRIES
  2  GRE-  GREEN GARDE
  3  HAL-  HALE PRODUCTS
  4  HAQ-
  5  HAR-
  6  HOM-
  7  HON-
  8  HOQ-  HOMELITE EQUIPMENT
  9  HUQ-  HUSQVARNA EQUIPMENT
 10  HUS-  HUSQVARNA PARTS
 11  HYP-
 12  INT-  INTERNAL LABOR
 13  JAC-  JACOBSEN PARTS
 14  JAQ-  JACOBSEN WHOLE GOODS
 15  JDP-  JOHN DEERE
 16  JOK-  THIS IS A TEST
 17  KAQ-
 18  KAS-  TEST ITEMS

(C)HANGE, (P)AGE, (B)ACK, (I)NDEX, (T)OGGLE, (R)ETURN, * TO VOID, SEQ# .....
```

The following example deals with updating data for an item# that has already been created.

Select whatever line needs to be maintained. On the bottom of the screen you have other options for maintenance. **Type O** to see even more options.

```
IN02A  CW REALTIME SOFTWARE CORP                INVENTORY MAINTENANCE      18 Jun 03

ITEM NUMBER  CLA.91557227

 1. DESCRIPTION 3 1/2 GAUGE-PANEL MT 160PSI
 2. PROD GROUP 11 STOCK UOM EA  18. XREF NUMBER 91557227
 3. TYPE          POR           19. SHELF LIFE (DAYS)
 4. COST          45.05000      20. GROUP PRICE ID
 5. PRICE         89.00000      21. PRODUCT CODE
 6. MSRP          89.00000      22. WEIGHT
 7. LAST COST     45.05000      23. ORDER NON-TAX (Y/NULL)
 8. PRICE DISC CODE  CLA       24. NLA FLAG/DATE
 9. PRICE CALC CODE  EQU       25. MAKE/BUY CODE
10. CATEGORY/COMMODITY E      26. MFG PART TYPE          MAKE-TO-ORDER
11. PACKAGE QTY
12. STATUS
13. ABC CLASS
14. CATALOG          EACH      30. SHRINK FACTOR
15. PRIMARY VENDOR  10115      31. CARRY RATE
16. LEAD TIME      OFFSET      32. REPLACED BY PART
17. INACTIVE FLAG          33. BIN/LOT/SERIAL FLAG
ENTER S)ITE MAINT. & POST ABOVE DATA, C)ONVERSION FACTOR MAINT., O)PTIONS
ENTER#, * - VOID, D)ELETE, N)EXT, P)REVIOUS, I)NDEX, ^ OR RTN - POST O.
```

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You will then see the new options listed at the bottom of the screen.

IN02A	CW REALTIME SOFTWARE CORP	INVENTORY MAINTENANCE	18 Jun 03
ITEM NUMBER CLA.91557227			
1.	DESCRIPTION 3 1/2 GAUGE-PANEL PKG OF 5		
2.	PROD GROUP 11 STOCK UOM EA	18.	XREF NUMBER 91557227
3.	TYPE POR	19.	SHELF LIFE (DAYS)
4.	COST 45.05000	20.	GROUP PRICE ID
5.	PRICE 89.00000	21.	PRODUCT CODE
6.	MSRP 89.00000	22.	WEIGHT
7.	LAST COST 45.05000	23.	ORDER NON-TAX (Y/NULL)
8.	PRICE DISC CODE CLA	24.	NLA FLAG/DATE
9.	PRICE CALC CODE EQU	25.	MAKE/BUY CODE
10.	CATEGORY/COMMODITY E	26.	MFG PART TYPE MAKE-TO-ORDER
11.	PACKAGE QTY	27.	MATL MOVE CODE
12.	STATUS	28.	ORDER POLICY CD
13.	ABC CLASS	29.	PLANNER CODE
14.	CATALOG EACH	30.	SHRINK FACTOR
15.	PRIMARY VENDOR 10115	31.	CARRY RATE
16.	LEAD TIME OFFSET	32.	REPLACED BY PART
17.	INACTIVE FLAG	33.	BIN/LOT/SERIAL FLAG
ENTER (IA)INV ADD. DESC., (IC)INV CUST, (IQ)INV QTY DISC., (IP) INV PRICE LEVEL (IS)ITEM SUBSTITUTION, (IV)INVENTORY VEND., (BL)BIN/LOT, (A)DDITIONAL			

The following is a list of the available options with a brief description of each:

A-Additional: additional fields primarily for warranty/rebate usage

BL-Bin/Lot: allows maintenance of bin/lot data on a per site basis

C-Conversion Factor Maintenance: used to maintain UOM conversions

D-Delete: USE WITH CAUTION. Deletes inventory record – the system performs several checks to ensure that the item# is not active in other data files

IA-Inventory Additional Description: allows maintenance of separate descriptions for quotes, Purchase orders, general use, and internal use

IC-Inventory Customer: allows cross-reference to customer's item number, unit price, additional description, and effective dates of pricing.

IP-Inventory Price Level: maintain price levels, tied to price level code in customer record

IQ-Inventory Quantity Discount: used to maintain particular customer quantity discounts

IS-Item Substitution: contains inventory items that can be substituted for another item

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IV-Inventory Vendor: allows cross-reference to vendor's item number, unit price, additional description, effective dates of pricing, and various additional data

N-Next: post the current record, and retrieves/displays the next subsequent record

P-Previous: posts the current record, and retrieves/displays the record immediately preceding it.

S-Site Maintenance: display/maintain data for an item by site (e.g. bin location, reorder points)

Type S to go to site. When prompted for site number type the appropriate site (main location is typically **01**), and **ENTER**.

IN02A	CW REALTIME SOFTWARE CORP	INVENTORY MAINTENANCE	18 Jun 03
ITEM NUMBER CLA.91557227			
1.	DESCRIPTION 3 1/2 GAUGE-PANEL MT 160PSI		
2.	PROD GROUP 11 STOCK UOM EA	18.	XREF NUMBER 91557227
3.	TYPE POR	19.	SHELF LIFE (DAYS)
4.	COST 45.05000	20.	GROUP PRICE ID
5.	PRICE 17.80000	21.	PRODUCT CODE
6.	MSRP 89.00000	22.	WEIGHT
7.	LAST COST 45.05000	23.	ORDER NON-TAX (Y/NULL)
8.	PRICE DISC CODE CLA	24.	NLA FLAG/DATE
9.	PRICE CALC CODE EQU	25.	MAKE/BUY CODE
10.	CATEGORY/COMMODITY E	26.	MFG PART TYPE MAKE-TO-ORDER
11.	PACKAGE QTY	27.	MATL MOVE CODE
12.	STATUS	28.	ORDER POLICY CD
13.	ABC CLASS	29.	PLANNER CODE
14.	CATALOG EACH	30.	SHRINK FACTOR
15.	PRIMARY VENDOR 10115	31.	CARRY RATE
16.	LEAD TIME OFFSET	32.	REPLACED BY PART
17.	INACTIVE FLAG	33.	BIN/LOT/SERIAL FLAG
ENTER S)ITE MAINT. & POST ABOVE DATA, C)ONVERSION FACTOR MAINT., O)PTIONS ENTER#, * - VOID, D)ELETE, N)EXT, P)REVIOUS, I)NDEX, ^ OR RTN - POST S.			

There are many different options at this screen. Select the line number you want to change. Notice that **line 1 is the primary bin location**. Line 12 is a secondary bin location. If this item number were serialized (apparatus item numbers), there would be an **S** to the right of **Serial Flag**.

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IN02A	CW REALTIME SOFTWARE CORP	INVENTORY MAINTENANCE	18 Jun 03
ITEM NUMBER	CLA.91557227	3 1/2 GAUGE-PANEL MT 160PSI	STOCK UOM EA
SITE	01 CW WILLIAMS		ON HAND 2
			COMMITTED 0
1.	PRIMARY LOCATION	QUOTATION QUANTITIES	BACKORDERED
2.	REORDER QUANTITY	-----	AVAILABLE 2
3.	MINIMUM REORDER QTY	ON QUOTE	FLOOR STOCK
4.	MAXIMUM REORDER QTY	QUOTED YTD	ON ORDER
5.	MULTIPLE REORDER QTY	QUOTED LYR	IN-STATUS
6.	REORDER POINT	ORDERED YTD	ALLOCATED
7.	CRITICAL POINT	ORDERED LYR	BACKISSUED
8.	MAXIMUM POINT	CANCELLED YTD	PLANNED REQ'D
9.	STORED AT DEPT	CANCELLED LYR	QTY SOLD YTD
10.	LINE ITEM TAX CODE	TIMES QTD YTD	QTY SOLD LYR
11.	PRIMARY VENDOR	TIMES QTD LYR	TIMES SOLD YTD
12.	SECONDARY LOCATION		TIMES SOLD LYR
		LAST ORDER	QTY ON DROP
13.	LIFO/FIFO DATA	LAST ACTIVITY	SALES YTD
		LAST INV DATE	SALES LYR
BIN/LOT/	SERIAL FLAG -	NEXT INV DATE	PROFIT YTD
ENTER NUMBER, * TO VOID, (D)ELETE, (N)EXT SITE, (R)EORDER, RTN OR ^ TO POST ..			

Going back to Inventory Maintenance, (type **IM** and then **item number**), if this item is going to be tracked by serial number, **select field 33** and type an **S** and **ENTER**. Since there are no site records associated with this item yet, when they are created they will automatically be flagged for serial numbers (so it will require a serial number for receiving and selling purposes).

Also, on this screen **select line 18** to enter additional cross-references. The item number without the prefix is set up here automatically. This is what allows you to type just the number 121351 in inventory inquiry, order entry, purchase orders, etc. in order to pull up the entire number including vendor prefix. You can have as many cross-references as you want. They can be either alpha or numeric. If you have two items that are different numbers (maybe from a different vendor) but can be sold as the same item, enter the cross reference of the other item here.

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```
IN02A  CW REALTIME SOFTWARE CORP          INVENTORY MAINTENANCE          19 Jun 03

ITEM NUMBER  EON-121351

 1. DESCRIPTION PADS
 2. PROD GROUP 12  STOCK UOM EA  18. XREF NUMBER 121351  ++
 3. TYPE          POR           19. SHELF LIFE (DAYS)
 4. COST          19.74000       20. GROUP PRICE ID
 5. PRICE         26.65000       21. PRODUCT CODE
 6. MSRP          32.90000       22. WEIGHT
 7. LAST COST     19.74000       23. ORDER NON-TAX (Y/NULL)
 8. PRICE DISC CODE  EON         24. NLA FLAG/DATE
 9. PRICE CALC CODE  EON         25. MAKE/BUY CODE
10. CATEGORY/COMMODITY A       26. MFG PART TYPE          MAKE-TO-ORDER
11. PACKAGE QTY
12. STATUS
13. ABC CLASS
14. CATALOG          EACH       30. SHRINK FACTOR
15. PRIMARY VENDOR  10194       31. CARRY RATE
16. LEAD TIME      OFFSET       32. REPLACED BY PART
17. INACTIVE FLAG          33. BIN/LOT/SERIAL FLAG
ENTER S)ITE MAINT. & POST ABOVE DATA, C)ONVERSION FACTOR MAINT., O)PTIONS
ENTER#, * - VOID, D)ELETE, N)EXT, P)REVIOUS, I)NDEX, ^ OR RTN - POST 18
```

Type the item number and **ENTER**. If you ever want to delete a cross reference, type the number and it will ask if you want to delete. Answer **Y**.

```
IN02A  CW REALTIME SOFTWARE CORP          INVENTORY MAINTENANCE          19 Jun 03

ITEM NUMBER  EON-121351

XREF NUMBER  17539.....

121351
```

You will also want to enter the cross reference in the other item number so they both show up when entering either one of the item numbers.

```
IN02A  CW REALTIME SOFTWARE CORP          INVENTORY MAINTENANCE          19 Jun 03

ITEM NUMBER  PAI-17539

XREF NUMBER  .....

121351          17539
```

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At the Screen Jump **IM**, type in **17539** and you see two choices now. Select the sequence number to the left for the item number that you want. You will see the same thing if you were to type in 121351.

```
IN02A  CW REALTIME SOFTWARE CORP                INVENTORY MAINTENANCE        19 Jun 03

ITEM NUMBER  17539

XREF NUMBER  17539

SEQ INVENTORY NUMBER      DESCRIPTION                UNIT PRICE  AVL01  AVL02  AVL03
-----
1  EON-121351          PADS                      26.65      2
2  PAI-17539          COMMERCIAL HAND PADS      1.95
```

ENTER (P)AGE, (PB) PAGE BACK, SEQ TO SELECT OR * TO EXIT ...

In the next instance, the word apparatus has been entered as an additional cross-reference for all the apparatus numbers available. This is helpful when selecting the correct item number because it allows you to view all of them.

```
IN02A  CW REALTIME SOFTWARE CORP                INVENTORY MAINTENANCE        19 Jun 03

ITEM NUMBER  APPARATUS

XREF NUMBER  APPARATUS

SEQ INVENTORY NUMBER      DESCRIPTION                UNIT PRICE  AVL01  AVL02  AVL03
-----
1    EON+ALAD                AERIAL LADDER              0.00      0
2    EON+APLAT              AERIAL PLATFORM            0.00      1
3    EON+ATT                ATTACK                      0.00      0
4    EON+BSKY               BRONTO SKYLIFT             0.00      0
5    EON+COMPUMP            COMM. PUMPER                0.00      4
6    EON+CUSPUMP            CUSTOM PUMPER               0.00      0
7    EON+HRESC              HEAVY RESCUE                0.00      0
8    EON+LRESC              LIGHT RESCUE                 0.00      1
9    EON+RESPUMP            RESCUE PUMPER               0.00      0
10   EON+TANK                TANKER                      0.00      0
```

ENTER (P)AGE, (PB) PAGE BACK, SEQ TO SELECT OR * TO EXIT ...

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```
IN02A  CW REALTIME SOFTWARE CORP          INVENTORY MAINTENANCE      19 Jun 03

ITEM NUMBER  PUMPER

XREF NUMBER  PUMPER

SEQ INVENTORY NUMBER      DESCRIPTION                UNIT PRICE  AVL01  AVL02  AVL03
-----
1  ADD+PUMPER              PUMPER TRUCK                0.00
2  EON+COMPUMP             COMM. PUMPER                 0.00      4
3  EON+CUSPUMP             CUSTOM PUMPER                0.00      0

ENTER (P)AGE, (PB) PAGE BACK, SEQ TO SELECT OR * TO EXIT      ...
```

If updating an existing item number that needs to be serialized (so it will require a serial number for receiving and selling purposes), type **Screen Jump SERIAL** at any menu for Part/Serial Maintenance. Then **type the complete item number** including prefix, **type site** number, and **type S** for serialize.

```
SN02B  CW REALTIME SOFTWARE CORP          PART/SERIAL MAINTENANCE    08 Oct 04

PART NUMBER  IBM-3072                9.1GB SSA Hot-Swap Disk

SITE NUMBER  01                            REALTIME DEALER NAME

(S)ERIALIZE OR (D)ESERIALIZE      S          SERIAL FLAG CURRENTLY:
```

If on-hand quantities exist, the FIFO/LIFO strings will be displayed. In order to serialize the site for the item#, you will be required to enter serial numbers for ALL existing on-hand quantities.

```
SN02B  CW REALTIME SOFTWARE CORP          PART/SERIAL MAINTENANCE    08 Oct 04

PART NUMBER  IBM-3072                9.1GB SSA Hot-Swap Disk

SITE NUMBER  01                            REALTIME DEALER NAME

(S)ERIALIZE OR (D)ESERIALIZE      S          SERIAL FLAG CURRENTLY:

ON HAND NOT ZERO - DO YOU STILL WISH TO SERIALIZE?      Y
```

Call up each SEQ# individually and enter serial numbers for the on-hand quantity.

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```

SN02B CW REALTIME SOFTWARE CORP          PART/SERIAL MAINTENANCE          08 Oct 04

ITEM NUMBER IBM-3072          9.1GB SSA Hot-Swap Disk          STOCK UOM EA
SITE          01  LIFO/FIFO (OR STANDARD COST) DATA
SRC
SEQ#   DATE       COST       QTY   ID  DOCUMENT
  1 10/08/04     0.00000     1  SN021
  2 10/08/04     0.00000     1  SN022
  3 10/08/04     0.00000     1  SN023

ENTER P TO PAGE, SEQ TO SERIALIZE, * FOR NEXT ITEM, ^ TO POST          1...
    
```

Type **serial#** and **ENTER**. Repeat until BAL equals 0, then ^ to post.

```

SN02B CW REALTIME SOFTWARE CORP          PART/SERIAL MAINTENANCE          08 Oct 04

ITEM NUMBER IBM-3072          9.1GB SSA Hot-Swap Disk          STOCK UOM EA
SITE          01  LIFO/FIFO (OR STANDARD COST) DATA
SRC
SEQ#   DATE       COST       QTY   ID  DOCUMENT          BAL          1
  1 10/08/04     0.00000     1  SN021          SERIAL # [ ^ = PAGE]
  2 10/08/04     0.00000     1  SN022          123456.....
  3 10/08/04     0.00000     1  SN023

ENTER P TO PAGE, SEQ TO SERIALIZE, * FOR NEXT ITEM, ^ TO POST          1
    
```

INVENTORY

C. PRODUCT GROUP AND PRODUCT LINE TABLES

Type the **Screen Jump BTM** for background table maintenance. Use the 'C' change option, type in the search word PRODUCT, and hit Enter. This will Change the index search to items that start with the description of PRODUCT - choose the appropriate sequence for the **PRODUCT GROUP TABLE**. This default background table is what drives the accounting in the background so the system knows that an item number should go to different general ledger numbers for apparatus, equipment, parts, customer labor, warranty labor, etc. These are typically set up at the time of installation but can be added to as needed.

BG02	CW REALTIME SOFTWARE CORP	BACKGROUND TABLES MAINTENANCE	20 May 04
	Display of the BACKGROUND-TABLES table, by DESCRIPTION		
SQ	Table Description		
1	PRODUCT FAMILY TABLE		
2	PRODUCT GROUP FILE		
3	PROFILE DETAIL FILE		
4	PROSPECT-MASTER		
5	QUOTE CLOSURE REASON CODES		
6	QUOTE DESCRIPTION TABLE		
7	REBATE TABLE		
8	REPORT TEMPLATE FILE		
9	RETURNED GOODS REASON CODES		
10	ROUTING METHODS TABLE		
11	ROUTING STANDARDS TABLE		
12	SALESMAN MASTER FILE		
13	SCRAP REASON CODE TABLE		
14	SCREEN JUMPS FILE		
15	SERIAL CHARGES		
16	SERIAL-NUMBER A/P CODE TABLE		
17	SERVICE BULLETIN TABLE		
18	SERVICE BULLETIN TYPE TABLE		
(C)HANGE, (P)AGE, (B)ACK, (I)NDEX, (T)OGGLE, (R)ETURN, * TO VOID, SEQ# 2....			

Type ? to see the existing product groups.

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The screen above shows several product-group-site combinations – records where one or more general ledger accounts differ from the main product-group based on the site. Most users do not need these combination records, as the overriding background tables noted above can more efficiently direct the flow of transactions.

PG01	CW REALTIME SOFTWARE CORP	PRODUCT GROUP MAINTENANCE	19 Jun 03
PRODUCT GROUP	12	SITE 01 BCP-TEST6 COMPANY	COPY FROM PGC
(ENTER APPROPRIATE RESPONSE OR '?' FOR LOOKUP)			
1. DESCRIPTION	PARTS	LAST MAINT	11 Mar 03
2. INVENTORY	135040	17. SETUP	SETUP-EXP
3. SALES	3015003	18. APPL LABOR	APPL-LABOR
4. COST/EXPENSE	4015003	19. LABOR VAR	LABOR-VAR
5. SHRINKAGE	4015003	20. APPL BURDEN	APPL-BURD
6. INV CLEARING	249000	21. BURDEN VAR	BURDEN-VAR
7. INV REVALUE	4015003	22. APPL OUTSD PROC	APPL-OUTPR
8. DAMAGE	DAMAGE	23. OUTSD PROC VAR	OUTPR-VAR
9. INTERCO TRANS	INTERCO-TR	24. APPL MACHINE	APPL-MACHINE
10. INTRACO TRANS	INTRACO-TR	25. MACHINE VAR	MACHINE-VAR
11. MATERIAL VAR	MAT-VAR	26. APPL MACH BURD	APPL-MACH-BURD
12. PRICE VAR	4015003	27. MACH BURD VAR	MACH-BURD-VAR
13. SCRAP	SCRAP	28. APPL MAT BURDEN	APPL-MAT-BURD
14. WORK IN PROC	WIP	29. MAT BURDEN VAR	MAT-BURD-VAR
15. TRADE IN CGS	4015003	30. MAT BURDEN %	
16. TRADE IN SALES	3015003	31. COST TOLERANCE %	
		32. COMMISSION %	
ENTER #, D)ELETE, I)NDEX, N)EXT, P)REV, * =VOID, ^ =POST, S2 OR RTN =CONT ..			

After **Screen Jump BTM** takes you to the first screen as shown previously, Use the 'C' change option, type in the search word **INVENTORY**, and hit Enter. This will Change the index search to items that start with the description of INVENTORY - choose the appropriate sequence for the **INVENTORY PRODUCT LINE TABLE**

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```
BG02    CW C.W. Williams                BACKGROUND TABLES MAINTENANCE        20 May 04
        Display of the BACKGROUND-TABLES table, by DESCRIPTION
SQ      Table Description
  1     INVENTORY CATEGORY TABLE
  2     INVENTORY CATEGORY-PARAMETERS
  3     INVENTORY CUSTOMER FILE
  4     INVENTORY ITEM GROUP TABLE
  5     INVENTORY KIT MAINTENANCE
  6     INVENTORY MASTER FILE
  7     INVENTORY PRODUCT LINE
  8     INVENTORY SUBSTITUTION FILE
  9     INVENTORY VENDOR TABLE
 10     JOB CODE FILE
 11     LABOR ACCOUNT FILE
 12     LABOR DEPARTMENTS
 13     LEASE RATE FILE
 14     LOAD CENTER TABLE
 15     LOGON MAINTENANCE
 16     LOT CONTROL FILE
 17     M/S DEMAND TYPE TABLE
 18     MACHINE GROUP MAINTENANCE TABLE

(C)HANGE, (P)AGE, (B)ACK, (I)NDEX, (T)OGGLE, (R)ETURN, * TO VOID, SEQ# 7....
```

Type ? to view existing product lines.

```
PL01    CW REALTIME SOFTWARE CORP      PRODUCT LINE TABLE                19 Jun 03
VENDOR CODE  ?...      (ENTER RESPONSE OR ? FOR TABLE LOOKUP)  SCREEN #1

  1. DESCRIPTION
  2. VENDOR#
  3. UNIT OF MEASURE
  4. CATEGORY
  5. PRODUCT GROUP
  6. SET UP AT SITES
  7. VALID PART TYPES
  8. PRICE CALC CODE
  9. PRICE DISC CODE
 10. DISABLE AUTOMATIC RE-PRICE (Y/null)          12. PRICE LEVEL

 17. COST (I/S)
    DEFAULT FACTOR
 18. SUGGESTED LIST (MSRP) (I/C)
    DEFAULT FACTOR
 19. PRICE (I/C/CV/CVT/S/SV/SVT)
    DEFAULT FACTOR
```

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The 3 alpha prefix can be whatever you want to indicate what the product is and what vendor it is purchased from. Following the prefix is a delimiting character (normally a dash for parts, dot for equipment, plus for apparatus, and comma for labor). To set up a new product line you will need to know the vendor number you purchase the item from.

PL01	CW REALTIME SOFTWARE CORP	PRODUCT LINE TABLE	19 Jun 03
Display of the PRODUCT-LINE table, by Code			
SQ	Code	Description	
1	AAA-	MISC. PARTS	
2	AAA.	MISC. EQUIPMENT	
3	AAF.	ALL-AMERICAN FIRE	
4	AAW-	AMERICAN AIR	
5	ABL.	ABLE 2	
6	ACB-	ACCESS BATTERY	
7	ACC-	AC CONTROLS	
8	ACE.	AIR COMPRESSOR	
9	ACH-	TONEY ACE	
10	ADD+	APPARATUS SOLD HISTORY	
11	AFE.	AMERICAN FIRE	
12	AFS.	ASHEVILLE FIRE	
13	AFT.	AUGUSTUS FIRE	
14	AHS.	A.H. STOCK MFG	
15	AID-	AUTOMOTIVE INTERIOR	
16	AIT-	AIT	
17	AKR-	AKRON PARTS	
18	AKR.	AKRON EQPMT	
(C)HANGE, (P)AGE, (B)ACK, (I)NDEX, (T)OGGLE, (R)ETURN, * TO VOID, SEQ#			

Type the **prefix** that you want and **ENTER**. In this case it is parts so we're using a **dash**.

PL01	CW REALTIME SOFTWARE CORP	PRODUCT LINE TABLE	19 Jun 03
VENDOR CODE	BRS-	(ENTER RESPONSE OR ? FOR TABLE LOOKUP)	SCREEN #1
1.	DESCRIPTION		
2.	VENDOR#		
3.	UNIT OF MEASURE		
4.	CATEGORY		
5.	PRODUCT GROUP		
6.	SET UP AT SITES		
7.	VALID PART TYPES		
8.	PRICE CALC CODE		
9.	PRICE DISC CODE		
10.	DISABLE AUTOMATIC RE-PRICE (Y/null)		12. PRICE LEVEL
17.	COST (I/S)		
	DEFAULT FACTOR		
18.	SUGGESTED LIST (MSRP) (I/C)		
	DEFAULT FACTOR		
19.	PRICE (I/C/CV/CVT/S/SV/SVT)		
	DEFAULT FACTOR		

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Field 7 is Valid Part Types. This will only be used if a dealer has different discounts from a vendor on his parts or equipment. If your vendor gave you 40% off on all Hose products, and 30% off all Fittings you could add the codes H and F here. Inventory items would be required to be one of the types entered here. This field allows you to set different discounts in your pricing fields (17 –19).

Fill in the applicable fields as shown. You can do a ? lookup for lines 3, 4, and 5. When you get to **Line 17-19** you have choices on how you want the items that will be used with this prefix to be calculated in Inventory Maintenance for cost, selling price, list price, etc.

PL01	CW REALTIME SOFTWARE CORP	PRODUCT LINE TABLE	19 Jun 03
VENDOR CODE	BRS-	(ENTER RESPONSE OR ? FOR TABLE LOOKUP)	SCREEN #1
1. DESCRIPTION	BRIGHT STAR PARTS		
2. VENDOR#	10080	BRIGHT STAR IND.	
3. UNIT OF MEASURE	EA		
4. CATEGORY	P	PARTS	
5. PRODUCT GROUP	12	PARTS	
6. SET UP AT SITES			
7. VALID PART TYPES			
8. PRICE CALC CODE	BRS		
9. PRICE DISC CODE	BRS		
10. DISABLE AUTOMATIC RE-PRICE (Y/null)		12. PRICE LEVEL	
17. COST (I/S)	.		
DEFAULT FACTOR			
18. SUGGESTED LIST (MSRP) (I/C)			
DEFAULT FACTOR			
19. PRICE (I/C/CV/CVT/S/SV/SVT)			
DEFAULT FACTOR			
I = INSERT VALUE, S = CALCULATE FROM SUGGESTED LIST PRICE (MSRP)			

Field Number 17 is COST. This field can be set to an “I” or an “S”. If your vendor gives you cost on his price sheets, you would set this to “I”. If the vendor gives you a discount percent from Suggested List, you would set this to an “S” and enter your default factor. For example a 40% discount from List Price would be a .60 factor. If you had entered valid part types in field 7, the system will allow you to setup separate factors for each one. For example H = .60 and F = .70

Field Number 18 is SUGGESTED LIST or MSRP. This field can be set to an “I” or “C”. This is the price that most vendors give you over the phone or in a price book. Normally this is set to an “I” for Insert, but a few vendors only give you cost and then it can be set to “C” and you can enter your default markup factor.

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Field Number 19 is PRICE. This field has the most options and controls how you would like to actually price the items in this product line. Your options are:

I insert value

C calculate as a multiplier of cost

S calculate as a multiplier of Suggested List Price (MSRP)

CV calculate price as a variable multiplier from cost. This allows entry of cost ranges and different multiply factors for each cost range. For example, if an item costs less than 0.25 you can have price equal to cost times 3.0. If the cost is between .26 and 1.00 you can have price equal cost times 2.5. This allows for low cost item numbers to have huge margin percentages and high cost items to have low margin percentages.

SV calculate price as a variable multiplier from suggested list price. Ranges of list prices can get different multiply factors.

CVT calculate price as a variable multiplier from cost by part type. This works the same as "CV" except users can enter different cost ranges and multiply factors by part type.

SVT calculate price as a variable multiplier from suggested list price by part type. This works the same as "SV" except users can enter different suggested list price ranges and multiply factors by part type.

INVENTORY

D. MANAGEMENT CONTROLS

1. REORDER POINTS

The system calculates both a reorder point and a reorder quantity. The reorder point is based purely on lead-time and the reorder quantity is based on either an economic order quantity calculation or a number of day's worth of stock to order.

The **reorder point** is calculated as follows: The system calculates the total lead-time by adding up the following fields in the Product Line table: (Lead Time Days) + (Order Frequency Days) + (Safety Stock Days). "Lead Time Days" is the number of days it takes to get a stock order from the vendor. "Order Frequency Days" is how often you place a stock order for the vendor. "Safety Stock Days" is a cushion for poor performance from vendor.

It is possible to override the lead-time on individual items. The "Lead Time Days" from the product line table will be used unless an item number has a value in the Lead Time Days in Inventory Maintenance (prompt # 16). If something is filled into the Lead Time field for an item number, then the item number's lead-time will override product line table. If this lead-time field is blank in Inventory Maintenance then the system will use the lead-time from the product line table. Keep in mind that a 0 in the Lead Time Field in Inventory Maintenance is quite a bit different than a blank (0 means no lead time, blank means use product line table). The "Safety Stock Days" from the product line table has an override to it also using the field called "OFFSET" in Inventory Maintenance. Using prompt #16 in Inventory Maintenance also changes this field.

Once the total lead time is determined for an item number the reorder point is calculated as follows: (Annualized Usage) X (Total Lead Time days) / (365 days). If an item number has an annualized usage of 12,000 and the Total Lead Time was a month then reorder point would be 1,000. You can consider the reorder point to be your minimum stock level.

Only items that have enough "HITS" during the usage horizon will get a reorder point. The usage horizon is how far back the system goes to look at usage for re-order point calculations. This usage horizon is typically a year. If you set the minimum number of hits for a reorder point to 3 in the product line table and an item had 2 sales, one for 450 and one for 700 that item will not get a reorder point.

The **reorder quantity** is determined using an economic order quantity calculation or by a number of days to order. The economic order quantity factors into account inventory carrying costs, annual usage, and the cost of the item number. The equation is as follows (using some assumptions on carrying costs and interest rates): The square root of: $(33.33) \times (\text{Annual Usage for item}) / \text{Unit cost}$

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The answer to the re-order quantity equation will be raised up to 1 month's usage and lowered to 12 months usage (if the order quantity is less than one month's worth of stock or greater than 12 months worth of stock). In general, item numbers with a high usage value (usage quantity multiplied by unit cost) will have a 1-month reorder quantity and item numbers with low usage value will have a reorder quantity of several months.

You can consider the reorder point plus the reorder quantity to be your maximum stock. The stock order generation program will always create orders so that the purchase order quantity will always put your "total quantity on hand plus in transit) (On hand plus your p/o quantity) to the maximum stock value.

Besides altering the lead times for an item number, you can override both the reorder point and reorder quantity for an item number in inventory maintenance. The system will use the system-generated numbers unless an override exists. You will still be able to see what the system calculated if you override system generated numbers.

Item numbers that have a "replaced by" item number will have their usage added to the new number. For example if the usage of item number "OLD" is 100 and the usage for item number "NEW" is 500, then the system will calculate the re-order point usage for "OLD" as 0 and 600 for "NEW".

All usage for transactions for customers that have a letter "X" in the Market Area field will have their usage ignored (if you have customers for item returns, etc). All usage for transactions that have an order type that states: "Ignore for ROP Usage" will be ignored.

When you create a stock order the system will only look at item numbers below reorder point (not at re-order point). To be below reorder point the system adds up the AVAILABLE + ON ORDER. The AVAILABLE is equal to (ON HAND - COMMITTED). If the "INCLUDE ROPS OF 0 AND LESS" is set to an "N" when doing stock order the system will only look at items that have a reorder point. If you set the "INCLUDE ROPS OF 0 AND LESS" to a "Y" it will look at all items regardless of whether they have a reorder point. Setting this field to a "Y" will pick up items that were missed by the customer requisition program.

The quantity for the stock order will be determined as follows: $\text{MAXIMUM POINT} - \text{ON ORDER} - \text{AVAILABLE}$. If an item has an ROP of 10 and an ROQ of 15 and you have 5 Available plus 3 On Order the system will tell you to purchase this since you are below reorder point ($5 + 3 = 8$ which is less than 10). The quantity to order will be $(10 + 15 - 3 - 5) = 17$. If you do stock order frequently the system will generally order the ROQ amount. If an item is below reorder point for a week or so you will be further below the ROP when you go to order the item so it will likely have you order more than the ROQ. In the above example if you waited 3 more days the AVAILABLE may be down to 1. In that case you would order $(10 + 15 - 3 - 1) = 21$

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The reorder point is purely driven by lead-time. Customer service is determined by reorder point and ordering at correct time. The reorder quantity is based on quantity times unit cost sold for an item number. The reorder quantity drives your inventory value and turnover. High dollar items should have high turnover and lower dollar items should have a low turnover. You don't want to put 3 of a 20 cent item on the shelf 12 times a year and at the same time you don't want to stock 2 years worth of a \$400 item. If you order the low cost items less frequently you will have more time to study high dollar items.

```

PL01                                PRODUCT LINE TABLE                                05 Jun 03

VENDOR CODE      APT-              (ENTER RESPONSE OR ? FOR TABLE LOOKUP)  SCREEN #1

1. DESCRIPTION          APPLE
2. VENDOR#             100          APPLE
3. UNIT OF MEASURE     EA            EACH
4. CATEGORY            P            PARTS
5. PRODUCT GROUP       01            APPLE TOSS
6. SET UP AT SITES
7. VALID PART TYPES
8. PRICE CALC CODE     APT
9. PRICE DISC CODE     APT-
10. DISABLE AUTOMATIC RE-PRICE (Y/null)          12. PRICE LEVEL

17. COST (I/S)                I
    DEFAULT FACTOR
18. SUGGESTED LIST (MSRP) (I/C) I
    DEFAULT FACTOR
19. PRICE (I/C/CV/CVT/S/SV/SVT) I
    DEFAULT FACTOR

ENTER #, S2, S3, D)ELETE, I)NDEX, N)EXT, P)REVIOUS, * TO VOID, ^ OR RTN      S2
    
```

```

PL01                                PRODUCT LINE TABLE                                05 Jun 03

VENDOR CODE      APT-              APPLE                                SCREEN #2
RE-ORDER POINT INFO                *** FREIGHT AND SETUP VALUES ***
1. LEAD TIME DAYS          5          13. S/N FREIGHT CODE
2. ORDER FREQUENCY DAYS   7          14. ADD FREIGHT TO S/N ?
3. SAFETY STOCK DAYS      5          15. INBOUND S/N FREIGHT %
    TOTAL DAYS              17          16. SETUP %
4. MINIMUM HITS FOR ROP    1
5. ABC "A" CUMM%           25.00        *** REBATE / MARGIN INFO ***
6. ABC "B" CUMM%           50.00        17. REBATE CUST#
7. ABC "C" CUMM%           75.00        18. IGNORE REBATES Y/N ?
8. ABC "D" CUMM%          100.00       19. REBATE ORDER TYPE
9. ROQ FLAG (E=EOQ/D=DAYS) D
10. EOQ/ROQ USAGE DAYS     15          20. WARRANTY DAYS
11. USAGE HORIZON DAYS    180          21. ADDITIONAL WARR. DAYS
12. COMMENTS                TOTAL WARR. DAYS==>          0

ENTER LINE TO CHANGE, RTN FOR PREVIOUS SCREEN, * TO VOID, OR ^ TO POST      ..
    
```

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RE-ORDER POINT FIELDS IN PRODUCT LINE TABLE

Three fields to review from the Product Line Table on the previous page are:

ROQ FLAG (E=EOQ/D=DAYS) – This flag determines whether the re-order quantity will be a certain number of usage days (“D”) or whether the re-order quantity will be determined by the Economic Order Quantity equation (“E”).

EOQ/ROQ USAGE DAYS – If the ROQ flag above is set to a “D”, then the number in this field represents how many days worth of usage the Re-order quantity will be. If the ROQ flag above is set to “E”, then this field will determine the maximum number of days worth of stock that the EOQ equation will set as a re-order quantity. For some low cost items the EOQ equation may recommend a re-order quantity of 1 year’s worth of stock. If users only want to order 6 months worth of inventory at a time (at the most), they can set this field to 180.

USAGE HORIZON DAYS – This field determines how far back to look at usage history in determining the re-order quantity. Some users may want to look back 2 years while others may want to look back only 6 months. All numbers calculated are “annualized” when calculating the ROQ.

SCREEN CW C.W. Williams	Requisition Processing	20 May 04
10 CWW		WSB
SPO03	ENTER SELECTION NUMBER:	10:23:46
HS1110		
FUNCTION	NMBR	DESCRIPTION
	0	Select Printer
	1	Requisition Entry
	2	Requisitions Entered Report
	3	Blanket Order Entry
	4	Blanket Orders Entered Report
	5	Reorder Point Calculator
	6	Requisition Generator - Inventory Levels
	7	Requisition Generator - Sales Order to P/O
	8	Inventory Ranking Report
	9	Requisition Generator - Forecast List

PO02E MODS	--- RE-ORDER POINT CALCULATOR	14 Jun 03
1. ENTER THE BEGINNING DATE	06/14/02	
DO YOU WISH TO CALCULATE RE-ORDER VALUES? (Y/N) OR # TO CHANGE		Y

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IN03H	INVENTORY INQUIRY	05 Jun 03
ITEM NUMBER APT-661-2217	Display, LCD, 14.1, LG	STOCK UOM EA
SITE 01 Computer Technology Solutions		ON HAND 25
USAGE DAYS 180		COMMITTED 1
ROP USED 100	ABC PL QTY A	BACKORDERED 0
ROP CALCULATED 41	ABC PL HITS A	AVAILABLE 24
ROP OVERRIDE 100	ABC PL COST A	FLOOR STOCK
ROQ USED 74	RANK PL QTY 18	ON ORDER 0
ROQ CALCULATED 74	RANK PL HITS 20	IN-STATUS 0
ROQ OVERRIDE	RANK PL COST 20	ALLOCATED
SCREENED USAGE QTY 890	ABC CAT QTY	BACKISSUED
SCREENED USAGE HITS 475	ABC CAT HITS	PLANNED REQ'D
SCREENED COST EXT 43,993.41	ABC CAT COST	QTY SOLD YTD 403
ACTUAL USAGE QTY 890	RANK CAT QTY 136	QTY SOLD LYR 272
ACTUAL USAGE HITS 475	RANK CAT HITS 86	TIMES SOLD YTD 198
ACTUAL COST EXT 43,993.41	RANK CAT COST 67	TIMES SOLD LYR 169
TOTAL LEAD TIME 17		QTY ON DROP
	LAST ACTIVITY 06/05/03	SALES YTD 12,209.40
	LAST INV DATE 05/19/03	SALES LYR 872.10
BIN/LOT/SERIAL FLAG -	NEXT INV DATE 05/13/03	PROFIT YTD -7,706.86
ENTER * FOR NEXT ITEM, ^ OR RTN TO CONTINUE .		

In the above example, the system calculated a re-order point of 41, but this number has been overridden to 100. The Re-order quantity is calculated as $(\text{Annualized usage} \times \text{days to stock} / 365) = (890 \times 15 / 365) = 36.58$ — Since this is less than one month's worth of usage, the system rounded this up to 74. The system used 15 in the above math equation due to the EOQ/ROQ USAGE DAYS of 15 in the Product Line table.

INVENTORY

D. MANAGEMENT CONTROLS

2. INVENTORY ADJUSTMENTS

DO NOT USE THIS PROGRAM TO MAKE ADJUSTMENTS RESULTING FROM A PHYSICAL INVENTORY – REFER TO THE PHYSICAL INVENTORY MANUAL FOR ENTERING INVENTORY COUNTS AND PROCESSING ADJUSTMENTS.

If you need to adjust the On-Hand quantity of any inventory item, you will enter the **Screen Jump IA** from any menu. This will take you to the following screen:

IN04A	CW REALTIME SOFTWARE CORP	INVENTORY ADJUSTMENTS	16 Jul 03
CODES: RC=RCPTS, RT=RETURN, SP=SHPMNT, SK=SHRNKGE, BL=BIN/LOT TRANS TI=TRADE IN TR=INTERCO TRANS, VR=VNDR RETURN, OO=ON ORDER, TF=TRANS FROM SN=S/N SI			
SITE	01		+/-
NO	QTY	ITEM/DESCRIPTION	UOM UNIT PRICE UNIT COST CODE DATE D/N
001	1	EON-106027 HOSE BED DIVIDER EXTRUSION	EA 3.86000 2.57000 SK 07/16/03 + DOCUMENT# FOUND O/S.

Enter in the site you would like to adjust the quantity on-hand for, then the quantity and item number. The cost that displays will be the dollar amount you will be adding to, or removing from inventory for each quantity entered. For a quantity adjustment, the Code field will always be an SK and the date will default to the system date, The +/- field is where you would enter a **+ for increasing** your inventory, or a **- to subtract** from your inventory. The document field is where you would enter your initials or a reference as to why the adjustment was made. When you are finished you can post the changes and inventory will be updated immediately. The general ledger will be updated after the Inventory Adjustments Register has been processed and accepted – this normally takes place during nightly batch processing.

Due to the material impact that inventory adjustments may have, it is recommended that access to this program be highly restricted.

Although most users have a transfer order-type established to handle transferring of inventory between sites, inventory transfers can also be recorded via the inventory adjustments program. The transfer is initiated at the “from” site, the quantity and item# are input. The transfer code will be TF (transfer from) and the date will default to the system date. Input the “to” site number in the SI field. The document field is where you would enter your initials or a reference as to why the adjustment was made. Once you hit ENTER to post this line, the system will automatically add a second line, with the “to” site and a code of TT (transfer to). When you are finished you can post the changes and inventory will be updated immediately. The general ledger will be updated after the Inventory Adjustments Register has been processed and accepted – this normally takes place during nightly batch processing.

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IN04A	CW REALTIME SOFTWARE CORP	INVENTORY ADJUSTMENTS	08 Oct 04
CODES: RC=RCPTS, RT=RETURN, SP=SHPMNT, SK=SHRNKGE, BL=BIN/LOT TRANS TI=TRADE IN TR=INTERCO TRANS, VR=VNDR RETURN, OO=ON ORDER, TF=TRANS FROM SN=S/N SI			
SITE	01		+/-
NO	QTY	ITEM/DESCRIPTION	UOM UNIT PRICE UNIT COST CODE DATE D/N
001	1	JAC-1111	EA 21.00000 10.00000 TF 01/01/05 02
		BEDKNIFE	DOCUMENT# TEST XFR..

IN04A	CW REALTIME SOFTWARE CORP	INVENTORY ADJUSTMENTS	08 Oct 04
CODES: RC=RCPTS, RT=RETURN, SP=SHPMNT, SK=SHRNKGE, BL=BIN/LOT TRANS TI=TRADE IN TR=INTERCO TRANS, VR=VNDR RETURN, OO=ON ORDER, TF=TRANS FROM SN=S/N SI			
SITE	01		
NO	QTY	ITEM/DESCRIPTION	UOM UNIT PRICE UNIT COST CODE DATE D/N
			DOCUMENT#
001	1	JAC-1111	01 EA 21.000 10.00000 TF 01/01/05 -
002	1	JAC-1111	02 EA 21.000 10.00000 TT 01/01/05 +
ENTER LINE TO CHANGE, P TO PAGE, * TO VOID, ^ TO POST ...			

The SN code is discussed in the Apparatus Manual. It is used to attach/detach items to/from serialized items.

It is recommended that the following codes NOT be used. Their functions have been replaced with other software programs.

- RC-Receipts – replaced by Purchase Order Receipts
- RT-Return – replaced by RGA, detail credit memo, negative sales order
- SP-Shipment – replaced by Billing (invoicing)
- TI-Trade In – replaced by negative quantity on invoice
- TR-Interco Transfer – should be processs by invoice related company
- OO-On Order – replaced by order entry/adjustment
- VR-Vendor Return – replaced by negative purchase order, “receipt” of negative po on shipment of item back to vendor relieves inventory and creates a negative receiver for matching to credit from vendor in appo (see a/p manual)

INVENTORY

E. PRICE UPDATES

A menu (SIN14) with various programs has been set up to allow users to load most price tapes on their own with no programming skills. For users to load price tapes on their own they need to have the following skills:

- Determine the file format the vendor sent the tape in (ASCII, EXCEL, LOTUS, etc)
- Translate data from one file format to another (EXCEL to tab separated, etc) using a program like EXCEL. If vendor sends file in ASCII format this is not required.
- Ability to ftp a file from a PC to Unix based system (or ability to use wIntegrate, Via-Duct, etc to do this)
- Ability to look at raw data and determine column numbers and attributes that data resides in.

The starting point to loading price tapes is to create a directory in unix for all of the price tapes to be loaded. Users can then ftp the price tapes into this directory. Once the price tape(s) have been ftp'd the rest of the processing can be done directly from menus.

The first step is usually to clear out all work files in Realtime from the last price tape load. The next step is to load the Unix file(s) into the PRICE-TAPES file in Realtime.

Once the data has been loaded users can sample as many part numbers as they want to figure out what columns and attributes the data for the vendor is in. Some vendors will tell you ahead of time what column numbers all of the data is in. From past experience a significant percentage of the vendors provide incorrect column numbers in their documentation so make sure you look at data yourself. Also, never assume that the same vendor will send you every price tape in the same format. Some vendors change the format of the price tapes every time they send them out.

```

IN14E MODS BCP-TEST COMPANY                PREVIEW PRICE TAPES                25 Oct 03
                                           FOR DATA STRUCTURE
RECORD# 1 OF 20 RECORDS TO DISPLAY -- RECORD ID# 100228
ATB# DATA
1      10007109                Y      0.32      0.24  1      0.0STRAP
      1234567890123456789012345678901234567890123456789012345678901234567890
           10          20          30          40          50          60          70
1
      0020000828
      1234567890123456789012345678901234567890123456789012345678901234567890
           80          90          100          110          120          130          140

ENTER N FOR NEXT RECORD, P TO PAGE, OR * TO VOID                ....

```

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Once the user views the data they can fill in the Price Tape Formats Table with the appropriate data

IN14A	MODS BCP-TEST COMPANY	PRICE FORMATS MAINTENANCE	25 Oct 03
PRICE-FORMAT FORD			
	DATA INFO	COLUMNS	
SEQ	DESCRIPTION	ATB START LEN	DEC RPBX DESC PREFIX
1	PART#	1 1 22	
2	DESCRIPTION	1 52 35	USE
3	UNIT COST	1 33 9	
4	UNIT PRICE		
5	SUGG LIST \$	1 24 9	
6	STATUS	1 87 2	
7	REPLACED BY		
8	TYPE		
9	CATALOG		
10	PKG QTY	1 42 3	
11	PRODUCT CODE		
12	WEIGHT	1 45 7	
13	UNDEFINED	1 23 1	
*** NOTE: ATB IS THE PICK FILE ATTRIBUTE IN PRICE-TAPES-FILE ***			
ENTER SEQ, * OR RTN TO RETURN TO PREVIOUS PAGE			...

After users have the correct column numbers loaded they can then run a program to parse the data in the PRICE-TAPES file and load it into the Realtime file INVENTORY-MASTER-NEXT. After this has run, users can spot check individual part numbers. The Inventory Inquiry for Price Tape screen shows a lot of data about the part number as it pertains to the live inventory data and the data on the price tape.

IN14G	MODS BCP-TEST COMPANY	INVENTORY INQUIRY	25 Oct 03
ITEM NUMBER FOR-000018			
	DESCRIPTION SPRING	PRODUCT GROUP 35	UOM EA
	TAPE	**LIVE IM**	\$ DIFF % DIFF
COST	0.19000	0.15000	0.04000 21.05%
PRICE	0.38000	0.35000	0.03000 7.89%
LIST PRICE	0.25000	0.32000	-0.07000 -28.00%
GROSS PROFIT	0.19000	0.20000	-0.01000 -5.26%
GROSS PROFIT%	50.00%	57.14%	-7.14%
LAST COST		PROD LINE DISC/CALC CODES	FOR / FOR
TYPE/POR		LIVE IM DISC/CALC CODES	FOR / FOR
CATALOG		PACKAGE QTY 1	
CATEGORY P		WEIGHT 0.01	
PC/STATUS	/ 47	NEW REPLACED BY	
PROD LINE VENDOR	54200	OLD REPLACED BY	
LIVE IM VENDOR	54200	ON-HAND COMM AVAIL	O/O DROP
TOTAL ALL SITES			
ENTER I)NDEX, N)EXT, P)REVIOUS, RTN FOR NEXT ITEM#		

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The Price Tape Load Value Impact Report should always be run at least in summary. This report will show you what will happen if you sell every part number on hand at today's prices and costs as well as the new prices and costs that are about to go into effect. The report will also show your gross margin, gross margin percent, and changes to the various amounts and percentages.

The final step is to load the pricing from Inventory-Master-Next into the live Inventory Master file.

INVENTORY

F. CHANGING ITEM AND SERIAL NUMBERS

1. ITEM NUMBER CHANGE

If you need to change a item number because it was entered with an incorrect prefix, type **Screen Jump CHGPART** at any menu. You will be prompted for the old item number and what you would like to change it to. **Type the numbers** and **ENTER**.

```
RE020  CW REALTIME SOFTWARE CORP          CHANGE PART# PREFIX          19 Jun 03

ENTER OLD PART NUMBER PREFIX              NAP-1258D
ENTER NEW PART NUMBER PREFIX              MIS-1258D.....
```

You will be warned to double check your numbers and be sure they are correct. Answer **Y** if correct. If you answer N you will return to a menu and no changes will take place.

```
RE020  CW REALTIME SOFTWARE CORP          CHANGE PART# PREFIX          19 Jun 03

ENTER OLD PART NUMBER PREFIX              NAP-1258D
ENTER NEW PART NUMBER PREFIX              MIS-1258D

ARE YOU SURE YOU WANT TO CHANGE PART NUMBERS - (Y)ES / (N)O Y
```

***** Be very careful when using this program to change part numbers.*****

It may result in unwanted item number changes. If you want to change item# AAA-123 to ZZZ-999, it will be changed. However, it will also change AAA-1234 to ZZZ-9994, and so on. Any item with the old item number as the beginning of its item number will be changed. If there are similar item numbers you do not want changed you should use the programs discussed on the next page.

You can also change the prefix on an entire product line using this program. If you want to change all of your item numbers beginning with AAA- to begin with ZZZ-, instead of the item numbers just enter the prefixes:

```
RE020  CW REALTIME SOFTWARE CORP          CHANGE PART# PREFIX          19 Jun 03

ENTER OLD PART NUMBER PREFIX              AAA-
ENTER NEW PART NUMBER PREFIX              ZZZ-.....
```

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If you are changing from one product line to another and they do not have the same Product Group Codes, this application will only change the item number itself. **You must go to Inventory Maintenance and change the product group to the correct one.** The best example of this is if you were changing an item number from a product line for parts to a product line for equipment. The old item number begins with AKR- and you're changing to a beginning prefix of AKR. (Normally parts has the dash, Equipment has the dot). Always go to the Product Line Table and double check the Product Group Code before using this feature.

2. ITEM NUMBER CHANGE (PREFERRED METHOD)

If you need to change an incorrect item number(s) go to menu **SRE02** choice **13**.

```
SCREEN CW REALTIME SOFTWARE CORP          Restore Inventory          08 Oct 04
13 BCP-TEST6                               KAS
SRE02          ENTER SELECTION NUMBER: 13          22:46:23
HS
```

FUNCTION	NMBR	DESCRIPTION
	0	Select Printer
	1	Verify & Rebuild Items With Sites
	2	Missing Inventory Product Groups Report
	3	Verify & Rebuild Bin/Lot Data
	4	Missing Inventory Unit Of Measure Report
	5	Verify & Rebuild On Hand With Lifo/Fifo
	6	Verify & Rebuild INV Site Quantities
	7	Verify & Rebuild Inv Cross References
	8	Inventory Site Batch Delete
	9	Verify & Rebuild Inventory Orders History
	10	Verify & Rebuild Inventory ? Search Codes
	11	Change Prefix on Part Numbers
	12	Change Part Numbers Using Renumbering File
	13	Maintain Renumbering Work File
	14	Renumbering Work File Listing

This program allows you to maintain a listing (work file) of item numbers to be changed. If this is the first time you are entering this program for this round of item number changes, you should type # and ENTER and answer the prompt Y and ENTER to clear the work file. Do not do this if you are simply adding or correcting numbers on a list you previously started entering.

```
RE02Q          CW REALTIME SOFTWARE CORP          IM RENUMBER MAINTENANCE          08 Oct 04

Old Part# #
(Enter Old Part#, ? for lookup of numbers in work file or # to clear work file)

1. New Part#

ARE YOU SURE YOU WANT TO CLEAR THE IM-RENUMBER-WORK FILE ? 'Y' / 'N' Y
```

You will be prompted for the old item number. Type the old number and ENTER. You will be prompted for the new item number. Type the new number and ENTER. The new item number cannot be a number that already exists in Inventory Master. It must begin with a valid product-line if you are using this feature. ENTER again to post this item to the work-file – no change is yet taking place. Repeat this process until you have added all items you want changed to the work-file.

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```
RE02Q          CW REALTIME SOFTWARE CORP          IM RENUMBER MAINTENANCE          08 Oct 04

Old Part# JAC-12345
(Enter Old Part#, ? for lookup of numbers in work file or # to clear work file)

1. New Part#  AMG-54321.....

ENTER LINE TO CHANGE, * TO VOID, D TO DELETE, ^ OR RTN TO POST
ENTER (I)NDEX, (N)EXT, (P)REVIOUS PART# INFO.
```

The next step is to print an edit-list of the item number changes you have entered. On menu **SRE02** select choice **14**. Type **Y** and **ENTER** to print the report. Review it carefully. If any changes are necessary, repeat the steps above (except for clearing the work-file) and re-print the edit list.

```
SCREEN CW REALTIME SOFTWARE CORP          Restore Inventory          08 Oct 04
13 BCP-TEST6                               KAS
SRE02          ENTER SELECTION NUMBER: 14          22:46:23
HS

      FUNCTION          NMBR          DESCRIPTION
      0          Select Printer
      1          Verify & Rebuild Items With Sites
      2          Missing Inventory Product Groups Report
      3          Verify & Rebuild Bin/Lot Data
      4          Missing Inventory Unit Of Measure Report
      5          Verify & Rebuild On Hand With Lifo/Fifo
      6          Verify & Rebuild INV Site Quantities
      7          Verify & Rebuild Inv Cross References
      8          Inventory Site Batch Delete
      9          Verify & Rebuild Inventory Orders History
     10          Verify & Rebuild Inventory ? Search Codes
     11          Change Prefix on Part Numbers
     12          Change Part Numbers Using Renumbering File
     13          Maintain Renumbering Work File
     14          Renumbering Work File Listing
```

Type **Y** and **ENTER** to print the report. Review it carefully. If any changes are necessary, repeat the steps above (except for clearing the work-file) and re-print the edit list.

```
RE02R CW REALTIME SOFTWARE CORP          RENUMBERING WORK FILE LISTING          08 Oct
04

Select DEL)ETE PROFILE, OR 'Y' TO EXECUTE          ...
```

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The final step is to actually execute the change process. On menu SRE02 select choice 12.

SCREEN CW REALTIME SOFTWARE CORP	Restore Inventory	08 Oct 04
13 BCP-TEST6		KAS
SRE02	ENTER SELECTION NUMBER: 12	22:46:23
HS		
FUNCTION	NMBR	DESCRIPTION
	0	Select Printer
	1	Verify & Rebuild Items With Sites
	2	Missing Inventory Product Groups Report
	3	Verify & Rebuild Bin/Lot Data
	4	Missing Inventory Unit Of Measure Report
	5	Verify & Rebuild On Hand With Lifo/Fifo
	6	Verify & Rebuild INV Site Quantities
	7	Verify & Rebuild Inv Cross References
	8	Inventory Site Batch Delete
	9	Verify & Rebuild Inventory Orders History
	10	Verify & Rebuild Inventory ? Search Codes
	11	Change Prefix on Part Numbers
	12	Change Part Numbers Using Renumbering File
	13	Maintain Renumbering Work File
	14	Renumbering Work File Listing

Type **Y** and **ENTER** to begin the change program. This make take some time to complete as it processes several large datafiles, searching for and changing every instance of the item number.

RE02P CW REALTIME SOFTWARE CORP	CHANGE EXISTING PART#(S)	08 Oct 04
	TO NEW VALUES	
ARE YOU SURE YOU WANT TO CHANGE PART NUMBERS - (Y)ES / (N)O .		

3. SERIAL NUMBER CHANGE

To change a serial number, type **Screen Jump SNC** (serial number change) at any menu. **ENTER** at the printer prompt. You will always get a report printed when a serial number is changed. This is an internal audit control because several other things need to be researched before you change a serial number depending on the status of that serial number.

```
RE14F  CW REALTIME SOFTWARE CORP          CHANGE SERIAL NUMBER          19 Jun 03

PRINTER  F0..... HOLD IN PRINT QUEUE          COPIES 1
ENTER NEW PRINTER, ? FOR DISPLAY OF ALL PRINTERS, OR RETURN TO CONTINUE
```

In this case you are warned that there is an open sales order and this serial number is being sold to a customer. The order needs to be adjusted before this serial number change happens. Type **Screen Jump OA** (order adjustments) at any menu and take the serial number off the order. Then change the serial number as shown here. Then go back to Order Adjustments and reserve the new serial# back on to the customer's order.

If there is an internal order for setting up new apparatus, you will also need to go to Order Adjustments and change to the new serial number. Any open Purchase Orders with AV PO-Type will also need to be changed. If an expense through Accounts Payable has been tied to the old serial number, it will not be tied to the new one. This feature can cause a lot of problems if not properly researched.

```
RE14F  CW REALTIME SOFTWARE CORP          CHANGE SERIAL NUMBER          19 Jun 03

ENTER PART NUMBER          EON+COMPUMP
ENTER SERIAL NUMBER        126497

SERIAL NUMBER IS RESERVED TO ORDER NUMBER 345698
LINE NUMBER 001
MUST UNRESERVE SERIAL NUMBER PRIOR TO CHANGING .
```

In the next situation, you do not get a warning, and are prompted to enter the new serial number. **Type the new serial number** and **ENTER**. If correct **type Y**. This is a unit that is already sold and invoiced to a customer. If there are any service or warranty invoices or orders linked to this serial number, when you change to a new number, they will not be linked to the new one and you cannot pull up the old invoices because you've changed the serial number. Be very careful with using this feature. It is best done before any history has taken place and you should go to **Screen Jump SI** to see if there is any invoice history or open orders first. You will also need to go into any existing service orders through Order Adjustments and change the information to the new serial number.

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RE14F CW REALTIME SOFTWARE CORP CHANGE SERIAL NUMBER 19 Jun 03

ENTER PART NUMBER EON+COMPUMP
ENTER SERIAL NUMBER 19788
ENTER NEW SERIAL NUMBER 19789.....

ARE YOU SURE YOU WANT TO CHANGE SERIAL NUMBER? **Y**

4. BIN LOCATION MAINTENANCE

This program allows users who do not have access to inventory maintenance to update the primary and secondary bin locations for an item. On menu **SIN02** select choice **4**.

```

SCREEN CW REALTIME SOFTWARE CORP          Inventory Master Processing    08 Oct 04
4 BCP-TEST6                               KAS
SIN02                                     ENTER SELECTION NUMBER: 4        23:19:50
HS
      FUNCTION          NMBR          DESCRIPTION
              0      Select Printer
              1      Inventory Master Maintenance
              2      Bins/Lots Below Zero Report
              3      Build Part Number XREF's
              4      Bin Location Maintenance
    
```

Enter the **item number** and **site** for the item you wan to update. Type the new **primary location** and **ENTER**. Type the new **secondary location** (if any) and **ENTER**. At the change line, return to either prompt to update if needed, and then **ENTER** to post your changes.

```

IN020 CW REALTIME SOFTWARE CORP          BIN LOCATION MAINTENANCE    08 Oct 04
ITEM NUMBER JAC-12345 BEDKNIFE          STOCK UOM EA
SITE 01                                ON HAND          AVAIL
1. PRIMARY LOCATION          BIN-1
2. SECONDARY LOCATION       BIN-2

SI LOCATN  ON-HAND  COMM  AVAIL  O/O  DROP  FUTURE  TRNSFR  QTY  QTY
01          0        0      0      0    0    ORDER  QTY    YTD  LYR
-----
          0        0      0      0    0    0      0      0      0      0

999 =          B  =  30.24  E  =  33.60  Q  =  31.92

ENTER SEQUENCE#, * ^ OR Enter to Post .
    
```

INVENTORY

G. SERIALIZED INVENTORY

1. SERIAL INQUIRY

Type **Screen Jump SI** for Serial Inquiry. There are several ways to locate the serial number record you are looking for.

```

SN03A  CW REALTIME SOFTWARE CORP                SERIAL MASTER INQUIRY                08 Oct 04

SERIAL NUMBER .....

      ENTER '#' FOR LOOKUP BY SERIAL#
          '?' FOR LOOKUP BY PART#
          ':' FOR LOOKUP BY CUSTOMER#
          'D' FOR LOOKUP BY DEMO
          'P' FOR LOOKUP BY A PARTIAL SERIAL#
    
```

- type the **serial#** and **ENTER** – see example below

? – type **?** and **ENTER**. Type **item#** at prompt and **ENTER** Select **Oldest / Newest**

```

SN03A  CW REALTIME SOFTWARE CORP                SERIAL MASTER INQUIRY                08 Oct 04

SERIAL NUMBER ?

PART NUMBER EON+COMPUMP                        COMMERCIAL PUMPER

ENTER 'O' FOR OLDEST TO NEWEST, OR 'N' FOR NEWEST TO OLDEST N
    
```

Enter **SEQ** of desired unit and **ENTER**

```

SN03A  CW REALTIME SOFTWARE CORP                SERIAL MASTER INQUIRY                08 Oct 04

SERIAL NUMBER ?

PART NUMBER EON+COMPUMP                        COMMERCIAL PUMPER
                                           S S
SEQ  SERIAL#                SI LOCATION O B COND.  END-USER NAME
----  -
3     128990                01
2     126719
1     125659                SHIP TO FOR TEST

ENTER (C)HANGE, (P)AGE, (PB) PAGE BACK, SEQ TO SELECT OR * TO EXIT .....
    
```

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: - type **:** and **ENTER**. Type **customer#** at prompt and **ENTER** (?-lookup is available on cust#)

```
SN03A  CW REALTIME SOFTWARE CORP          SERIAL MASTER INQUIRY          08 Oct 04
SERIAL NUMBER :
CUST NUMBER KAS.....
```

Enter **SEQ** of desired unit and **ENTER**

```
SN03A  CW REALTIME SOFTWARE CORP          SERIAL MASTER INQUIRY          08 Oct 04
SERIAL NUMBER :
CUST NUMBER KAS                          K-K
                                           S S
SEQ SERIAL#      PART NUMBER      DESCRIPTION O B ORDER#  INVCE#  INV DATE  ITGP
-----
001 2001         1          THIS IS TES      113102  P30517  01/26/04  A-BA
002 TWO         1          THIS IS TES Y      106225  04/22/96  A-BA
003 111         333        THIS IS TES Y Y      111301  09/30/03
004 A2         AMG-1234    THIS IS A T      112920  P30488  11/20/03
005 100         AMG-CAPTAIN  NEW SITE T Y      113134  P30525  01/31/04
006 101         AMG-CAPTAIN  NEW SITE T      113133  P30524  01/31/04
007 102         AMG-CAPTAIN  NEW SITE T      113133  P30524  01/31/04
ENTER (C)HANGE, (P)AGE, (PB) PAGE BACK, SEQ TO SELECT OR * TO EXIT          ...
```

D - type **D** and **ENTER**. Enter **SEQ** of displayed DEMO unit and **ENTER**

```
SN03A  CW REALTIME SOFTWARE CORP          SERIAL MASTER INQUIRY          08 Oct 04
      Display of the DEMO-INV table, by KEY
SQ  Item#      Serial#      Description      Site Location  DR
 1   108        POP          THIS IS A TEST PART      01             YES
 2   FIR-HP75   SO201398     HP75 SERIES PUMPER TRU
 3   JAC-SER    108          THIS IS MODEL NAME      XYZ             YES
 4   JAC-SER    2            THIS IS MODEL NAME
```

(C)HANGE, (P)AGE, (B)ACK, (I)NDEX, (T)OGGLE, (R)ETURN, * TO VOID, SEQ#

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P – type **P** and **ENTER**. Select one of the search option# listed and **ENTER**. Type in the string to search on (partial VIN, partial SO, etc)

```

SNL3  CW REALTIME SOFTWARE CORP          SERIAL# LOOKUP          08 Oct 04

      ENTER SELECTION NUMBER          2

1. LOOKUP BY SERIAL#
2. LOOKUP BY VIN#
3. LOOKUP BY CUSTOMER UNIT#
4. LOOKUP BY CUSTOMER ASSET#
5. LOOKUP BY ENGINE SERIAL#
6. LOOKUP BY ITEM#
7. LOOKUP BY CUSTOMER NAME

ENTER SEARCH STRING          123.....
    
```

Your screen will temporarily switch to 132-column mode. Enter **SEQ** of desired unit and **ENTER**

```

      Display of the SERIAL-MASTER table, by SERIAL MASTER RECORD
SQ  Item#      Serial#      SI SO Unit#  VIN#      Customer Name      Asset#
1  JAC-SER    CBB          Y  ENGINE#9  112358ABCK3983VIN#  JOHN DEERE
2  WSB-1      123         Y  CUSTUNIT#4 THISISTHEVIN#12345  TEST CUSTOMER      CUSTASSET#99

(C)HANGE, (P)AGE, (B)ACK, (I)NDEX, (T)OGGLE, (R)ETURN, * TO VOID, SEQ# .....
END OF SEARCH INDEX
    
```

Type the **S/O#** (serial#) to display the unit. Note A/P invoice information, warranty expiration date, last mileage reading and date, sales invoice number, date, and selling price. Along the bottom of the screen you have many different options to inquire. **Type O** for Orders to see all orders associated with this serial number.

```

SN03A  CW REALTIME SOFTWARE CORP          SERIAL MASTER INQUIRY          19 Jun 03

SERIAL NUMBER 126224          PART # EON+COMPUMP          SITE
DLM 04/24/03          DESC COMM. PUMPER
SOLD TO# 16532  CASTORIA RURAL FIRE ASSOC. / USER CASTORIA RURAL FIRE ASSOC.
LOCATION          CASTORIA          CONDITION CODE
          DEMO FLAG
FLOORPLAN ITEM Y          DUE DATE 04/13/03          WARRANTY EXP DATE 04/24/04
VENDOR# 10194          INVOICE# 10059989
PAYMENT FLAG F          EXTENDED WARR (Y/N)
AMOUNT PAID          EXT WARR CONTRACT#
CHECK NUMBER 047760  CHK DATE 04/11/03          INSTALL DATE
ACQUISITION COST 113,388.00          SERVICE ORDER COMMENTS
ADDED VALUE 7,963.83
TOTAL COST 121,351.83  SERV ORD'S-N  SERV BLTN'S-N
          LAST SERV ORD HR MTR READING 27  DATE 05/07/03

PARENT
P/O NUMBER 135851          SALES ORDER 345529
RECEIVED DATE 04/04/03          INVOICE NO. 430055  LINE 001
RECEIVER NO 151308          DATE 04/30/03  PRICE 138,696.00
'AV/AVD' ADDED VALUE, 'DR/DRH' DEMO REQUEST, 'SB' SRVC BULL, 'DH' DEMO HIST,
(S)OLD TO, 'C/P' CURR/PREV USER, (Q)UOTES, (O)RDER#'S, (I)NVOICE#'S, (AP)
(A)DDL, (DI)NVOICE, (OI)ORDER, (T)EXT, 'PO/POR' PO/RCPTS RTN NEXT SERIAL# O..
    
```

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There are four orders that are completed and billed. If they were still open, the order date would be showing instead of the word "COMPLETE". On the right side is the order type. You can see that two of the orders were internal orders for New Apparatus Setup. Two of the orders were warranty. Type the **sequence number** to see an order in detail.

```

SN03A  CW REALTIME SOFTWARE CORP          SERIAL MASTER INQUIRY          23 Jun 03

SERIAL NUMBER 126224                PART # EON+COMPUMP            SITE
DLM 04/24/03                        DESC COMM. PUMPER
SOLD TO# 16532  CASTORIA RURAL FIRE ASSOC. / USER CASTORIA RURAL FIRE ASSOC.

SEQ ORDER#  ORDER DATE  SHIP DATE  CUSTOMER#  CUSTOMER NAME                O TYPE
-----
001 345439  COMPLETE  04/21/03  10560    CASTORIA                     NEW
002 345491  COMPLETE  04/23/03  23006    CASTORIA RURAL FIRE ASSOC.   WARR
003 345689  COMPLETE  04/30/03  10560    CASTORIA VOL. FIRE DEPT.     NEW
004 345858  COMPLETE  05/07/03  23006    CASTORIA RURAL FIRE ASSOC.   WARR

ENTER (C)HANGE, (P)AGE, (PB) PAGE BACK, SEQ TO SELECT OR * TO EXIT          2..
    
```

Use the options listed at the bottom of the screen to view more details..

```

OE12  CW REALTIME SOFTWARE CORP          OPEN ORDER INQUIRY          23 Jun 03

ORDER # 345491                SERVICE TAG# 2476
CUST# 23006                    SHIP-TO
NAME WARRANTY, E-ONE          CASTORIA RURAL FIRE ASSOC.
ADDR 1 S 5118 HIGHWAY 91
ADDR 2 H T
CITY I O SNOW HILL
ST/CNTY P NC
ZIP/PST 28580
COUNTRY

ORDERED BY
ORDER DATE 04/23/03          TERMS
SINGLE/MULTIPLE SHIP DATES (S/M) S  ORDER TYPE WARR
SHIP DATE 04/23/03          SHIP VIA
CUST P.O. NEW TRUCK          FOB
SPECIAL INSTRUCTIONS        SLMN1 40  SLMN2 40  SLMN2 %
                                OVERRIDE LINE ITEM TAX CD
                                QUOTE# P/O#
                                A/R CUSTOMER#

(S)ERVICE, (L)ABOR, (M)ANIFEST, (U)SER HIST ORDER COMPLETED
ENTER * FOR NEXT ORDER, PI/PO TO PAGE INSTRUCTIONS/ORDER NOTES,
(D)ETAIL LINES, (T)OTALS, RTN FOR NEXT ORDER, (O)THER HEADER INFORMATION ..
    
```

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At the very first serial inquiry screen, **type I** to see invoices of orders that are completed.

SN03A	CW REALTIME SOFTWARE CORP	SERIAL MASTER INQUIRY	23 Jun 03
SERIAL NUMBER 126224		PART # EON+COMPUMP	SITE
DLM 04/24/03		DESC COMM. PUMPER	
SOLD TO# 16532	CASTORIA RURAL FIRE ASSOC.	/ USER CASTORIA RURAL FIRE ASSOC.	
LOCATION	CASTORIA	CONDITION CODE	
		DEMO FLAG	
FLOORPLAN ITEM Y	DUE DATE 04/13/03	WARRANTY EXP DATE	04/24/04
VENDOR# 10194	INVOICE# 10059989		
PAYMENT FLAG F		EXTENDED WARR (Y/N)	
AMOUNT PAID		EXT WARR CONTRACT#	
CHECK NUMBER 047760	CHK DATE 04/11/03	INSTALL DATE	
ACQUISITION COST 113,388.00		SERVICE ORDER COMMENTS	
ADDED VALUE 7,963.83			
TOTAL COST 121,351.83	SERV ORD'S-N	SERV BLTN'S-N	
	LAST SERV ORD HR	MTR READING 27	DATE 05/07/03
PARENT			
P/O NUMBER 135851	SALES ORDER 345529		
RECEIVED DATE 04/04/03	INVOICE NO. 430055	LINE 001	
RECEIVER NO 151308	DATE 04/30/03	PRICE 138,696.00	
'AV/AVD' ADDED VALUE, 'DR/DRH' DEMO REQUEST, 'SB' SRVC BULL, 'DH' DEMO HIST,			
(S)OLD TO, 'C/P' CURR/PREV USER, (Q)UOTES, (O)RDER#'S, (I)NVOICE#'S, (AP)			
(A)DDL, (DI)NVOICE, (OI)ORDER, (T)EXT, 'PO/POR' PO/RCPTS RTN NEXT SERIAL# I .			

SN03A	CW REALTIME SOFTWARE CORP	SERIAL MASTER INQUIRY	23 Jun 03
SERIAL NUMBER 126224		PART # EON+COMPUMP	SITE
DLM 04/24/03		DESC COMM. PUMPER	
SOLD TO# 16532	CASTORIA RURAL FIRE ASSOC.	/ USER CASTORIA RURAL FIRE ASSOC.	
SEQ INVCE#	ORDER TYPE	INVC DATE	CUSTOMER#
			CUSTOMER NAME
			INV AMOUNT
001 430047	NEW	04/30/03	10560
			CASTORIA
			2144.61
002 430048	NEW	04/30/03	10560
			CASTORIA VOL. FIRE DEP
			4829.82
003 430050	NEW	04/30/03	10560
			CASTORIA VOL. FIRE DEP
			293.10
004 430052	NEW	04/30/03	10560
			CASTORIA VOL. FIRE DEP
			0.00
005 430054	NEW	04/30/03	10560
			CASTORIA VOL. FIRE DEP
			696.30
006 430224	WARR	05/07/03	23006
			CASTORIA RURAL FIRE AS
			39.00
007 430280	WARR	05/08/03	23006
			CASTORIA RURAL FIRE AS
			58.50
008 C32885	WARR	05/07/03	23006
			WARRANTY, E-ONE
			-39.00
ENTER (C)HANGE, (P)AGE, (PB) PAGE BACK, SEQ TO SELECT OR * TO EXIT ...			

Type the **sequence number** to see an invoice in detail. Use the options listed at the bottom of the detail invoice inquiry screen to view more details..

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Type DI to display the invoice for the serial number itself that has been sold to a customer.

SN03A	CW REALTIME SOFTWARE CORP	SERIAL MASTER INQUIRY	23 Jun 03
SERIAL NUMBER 126224	PART # EON+COMPUMP	SITE	
DLM 04/24/03	DESC COMM. PUMPER		
SOLD TO# 16532	CASTORIA RURAL FIRE ASSOC. / USER	CASTORIA RURAL FIRE ASSOC.	
LOCATION CASTORIA	CONDITION CODE	DEMO FLAG	
FLOORPLAN ITEM Y	DUE DATE 04/13/03	WARRANTY EXP DATE	04/24/04
VENDOR# 10194	INVOICE# 10059989		
PAYMENT FLAG F	EXTENDED WARR (Y/N)		
AMOUNT PAID	EXT WARR CONTRACT#		
CHECK NUMBER 047760	CHK DATE 04/11/03	INSTALL DATE	
ACQUISITION COST 113,388.00	ADDED VALUE 7,963.83	SERVICE ORDER COMMENTS	
TOTAL COST 121,351.83	SERV ORD'S-N	SERV BLTN'S-N	
	LAST SERV ORD HR	MTR READING 27	DATE 05/07/03
PARENT			
P/O NUMBER 135851	SALES ORDER 345529		
RECEIVED DATE 04/04/03	INVOICE NO. 430055	LINE 001	
RECEIVER NO 151308	DATE 04/30/03	PRICE 138,696.00	
'AV/AVD' ADDED VALUE, 'DR/DRH' DEMO REQUEST, 'SB' SRVC BULL, 'DH' DEMO HIST,			
(S)OLD TO, 'C/P' CURR/PREV USER, (Q)UOTES, (O)RDER#'S, (I)NVOICE#'S, (AP)			
(A)DDL, (DI)INVOICE, (OI)ORDER, (T)EXT, 'PO/POR' PO/RCPTS RTN NEXT SERIAL# DI ..			

Type D to see the detail of the invoice the customer received for the sale of this item..

DI01A	CW REALTIME SOFTWARE CORP	DETAIL INVOICE INQUIRY	23 Jun 03
INVOICE# 430055	ORDER# 345529		
CUST# 16532	SHIP-TO		
NAME CASTORIA RURAL FIRE ASSOC.	CASTORIA RURAL FIRE ASSOC.		
ADDR 1 5118 HIGHWAY 91	S 5118 HIGHWAY 91		
ADDR 2	H T		
CITY SNOW HILL	I O SNOW HILL		
ST/CNTY NC	P NC		
ZIP/PST 28580	28580		
COUNTRY			
BY STEVE MARSHBURN	DUE DATE 04/30/03		
ORDER DATE 04/24/03	INVOICE DATE 04/30/03	TERMS	ORDER TYPE APP
TO SHIP DATE 04/24/03	DATE SHIPPED 04/30/03	SHIP VIA UPS GROUND	
REFERENCE CREDIT#	REFERENCE INV#		
CUST P.O. STEVE MARSHBURN CHIE	FOB		
SPECIAL INSTRUCTIONS	SLMN1 14 SLMN2 20 SLMN2 %		
	OVERRIDE LINE ITEM TAX CD		
ONE 2003 EMERGENCY ONE	A/R CUSTOMER#		
TRADITION COMM PUMPER ON AN	RGA#		
FREIGHTLINER CHASSIS VIN#	RGA ISSUED BY		
F)AX, P)AGE INSTR, D)ETAILS, A)CCT DIST., R)EPRINT, CH)ECK HIST, U)SER HIST			
L)ABOR, S)ERVICE, T)OTALS, M)ANIFEST * OR RTN FOR NEXT INVOICE NUMBER. D .			

Realtime Software Corporation - Inventory Operations Manual

DI01A CW REALTIME SOFTWARE CORP		DETAIL INVOICE INQUIRY		23 Jun 03			
CUST # 16532	CASTORIA RURAL FIRE ASSOC SLM1 14		INV TOT	138,696.00			
INVOICE# 430055	INV DT 04/30/03	CR LIMIT	A/R BAL	138,696.00			
SITE# 01			PROD TOT	138,696.00			
SEQ	QTY	ITEM NO.	ORD	BROKEN	QTY TO	UNIT	PRICE
		ORD'D DESCRIPTION	UOM	PKG CHG	SHIP	PRICE	EXTENSION
001	1	EON+COMPUMP	EA		1	138696.00000	138,696.00
		COMM. PUMPER				COST EXTENSION	121,351.83
QTY SHIPPED TO DATE	1	BACKORDERED				GROSS PROFIT	17,344.17
		CANCELLED				GROSS PROFIT %	12.51
PGC 10 APPARATUS		SERIAL#	SHIPPED			OPTIONS	
TEXT		126224					
ENTER * FOR NEXT INVOICE, PT TO PAGE TEXT, P TO PAGE, L)ABOR, M)ARGIN INFO, B/L/S SHIPPED, PO TO PAGE OPTIONS, RTN TO REDISPLAY DETAIL ..							

Type A to see additional information .

SN03A CW REALTIME SOFTWARE CORP		SERIAL MASTER INQUIRY		23 Jun 03	
SERIAL NUMBER 126224	PART # EON+COMPUMP		SITE		
DLM 04/24/03	DESC COMM. PUMPER				
SOLD TO# 16532	CASTORIA RURAL FIRE ASSOC.	/ USER	CASTORIA RURAL FIRE ASSOC.		
LOCATION	CASTORIA		CONDITION CODE		
			DEMO FLAG		
FLOORPLAN ITEM Y	DUE DATE	04/13/03	WARRANTY EXP DATE	04/24/04	
VENDOR#	10194	INVOICE#	10059989		
PAYMENT FLAG	F		EXTENDED WARR (Y/N)		
AMOUNT PAID			EXT WARR CONTRACT#		
CHECK NUMBER	047760	CHK DATE	04/11/03		
ACQUISITION COST	113,388.00		SERVICE ORDER COMMENTS		
ADDED VALUE	7,963.83				
TOTAL COST	121,351.83	SERV ORD'S-N	SERV BLTN'S-N		
		LAST SERV ORD HR	MTR READING	27	DATE 05/07/03
PARENT					
P/O NUMBER	135851	SALES ORDER	345529		
RECEIVED DATE	04/04/03	INVOICE NO.	430055	LINE	001
RECEIVER NO	151308	DATE	04/30/03	PRICE	138,696.00
'AV/AVD' ADDED VALUE, 'DR/DRH' DEMO REQUEST, 'SB' SRVC BULL, 'DH' DEMO HIST,					
(S)OLD TO, 'C/P' CURR/PREV USER, (Q)UOTES, (O)RDER#'S, (I)NVOICE#'S, (AP)					
(A)DDL, (DI)NVOICE, (OI)ORDER, (T)EXT, 'PO/POR' PO/RCPTS RTN NEXT SERIAL# A..					

Notice the vin#. All the options on this screen can be maintained through serial maintenance. See next section.

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```

SN03A  CW C.W. Williams                SERIAL MASTER INQUIRY                20 May 04
SERIAL NUMBER 126224                    PART # EON+COMPUMP                    SITE
DESC COMM. PUMPER

  CREATED FROM CODE:                      ON:
  ARRIVAL DATE                            ENGINE MFR
  VEHICLE# (VIN)                          ENGINE MODEL#
  CUSTOMER UNIT#                          ENGINE TYPE/SPEC
  CUSTOMER ASSET#                         ENGINE CODE
  APPARATUS TYPE                          ENGINE SERIAL#
                                          ENGINE WARRANTY
                                          PAINT CODE
                                          OIL FILTER
REAR AXLE S/N                            AIR FILTER
REAR AXLE WARRANTY                       FUEL FILTER
WARRANTY REG DATE                        WATER FILTER
PAINT WARRANTY DATE                     OTHER
PUMP S/N                                 YEAR
PUMP WARRANTY DATE                       MAKE
TRANSMISSION S/N                         MODEL
TRANSMISSION DATE                       MFR.
                                          1FVACYCS43HL79134

ENTER RTN TO CONTINUE OR * FOR NEXT SERIAL NUMBER .
    
```

To inquire for work in process and related costs, **type AVD** at the first serial inquiry screen. Detailed information about this inquiry can be found in the New Apparatus Procedure Manual.

```

SN03A  CW REALTIME SOFTWARE CORP        SERIAL MASTER INQUIRY                23 Jun 03
SERIAL NUMBER 126224                    PART # EON+COMPUMP                    SITE
DLM 04/24/03                            DESC COMM. PUMPER
SOLD TO# 16532  CASTORIA RURAL FIRE ASSOC. / USER CASTORIA RURAL FIRE ASSOC.
LOCATION          CASTORIA                CONDITION CODE
                                          DEMO FLAG
FLOORPLAN ITEM Y          DUE DATE 04/13/03  WARRANTY EXP DATE 04/24/04
VENDOR#          10194  INVOICE# 10059989
PAYMENT FLAG     F          EXTENDED WARR (Y/N)
AMOUNT PAID                                           EXT WARR CONTRACT#
CHECK NUMBER     047760  CHK DATE 04/11/03  INSTALL DATE
ACQUISITION COST 113,388.00  SERVICE ORDER COMMENTS
ADDED VALUE      7,963.83
TOTAL COST       121,351.83  SERV ORD'S-N  SERV BLTN'S-N
                                          LAST SERV ORD HR MTR READING 27  DATE 05/07/03
PARENT
P/O NUMBER       135851  SALES ORDER 345529
RECEIVED DATE   04/04/03  INVOICE NO. 430055  LINE 001
RECEIVER NO     151308  DATE 04/30/03  PRICE 138,696.00
'AV/AVD' ADDED VALUE, 'DR/DRH' DEMO REQUEST, 'SB' SRVC BULL, 'DH' DEMO HIST,
(S)OLD TO, 'C/P' CURR/PREV USER, (Q)UOTES, (O)RDER#'S, (I)NVOICE#'S, (AP)
(A)DDL, (DI)INVOICE, (OI)ORDER, (T)EXT, 'PO/POR' PO/RCPTS RTN NEXT SERIAL# AVD
    
```

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SN03A CW REALTIME SOFTWARE CORP	SERIAL MASTER INQUIRY	23 Jun 03
SERIAL NUMBER 126224	PART # EON+COMPUMP	SITE
DLM 04/24/03	DESC COMM. PUMPER	
	1. [ALREADY ADDED] 2. [ADDED + OPEN] 3. [ADDED + OPEN + A/P]	
SELL PRICE	138,696.00	138,696.00
COST	121,351.83	121,351.83
GROSS PROFIT	17,344.17	17,344.17
PROFIT%	12.51%	12.51%
CATEGORY/COST	143.00	143.00
CATEGORY/COST A	113,498.68	113,498.68
CATEGORY/COST E	5,194.46	5,194.46
CATEGORY/COST P	238.84	238.84
CATEGORY/COST S	2,276.85	2,276.85
ENTER 1, 2, 3 (OR # FOLLOWED BY STATUS), '*', OR ENTER		

INVENTORY

G. SERIALIZED INVENTORY

2. SERIAL MAINTENANCE

Serial Maintenance is similar to Serial Inquiry as far as the display of the screens. Type **Screen Jump SM** at any menu. **Type the S/O#** at the serial number prompt. Select the item from the list that is displayed. You also have the option of searching for the serial number by item number or customer number.

```

SN02A  CW REALTIME SOFTWARE CORP          SERIAL MASTER MAINTENANCE      23 Jun 03
SERIAL NUMBER 126460

MULTIPLE PART NUMBERS FOR THIS SERIAL NUMBER PLEASE CHOOSE

      SEQ          PART#          DESCRIPTION
      ----          -
      00001        EON+COMPUMP      COMM. PUMPER

ENTER P TO PAGE, A TO ADD NEW PART, * TO CANCEL, OR SEQUENCE NUMBER 1....
    
```

The only two maintenance options for an item still in inventory (unbilled) are **A and T**. **Type A** to maintain additional information such as vin#, year, model, pump and engine information, etc.

```

SN02A  CW REALTIME SOFTWARE CORP          SERIAL MASTER MAINTENANCE      23 Jun 03
SERIAL NUMBER 126460          PART # EON+COMPUMP          SITE 01
DLM 05/01/03          DESC COMM. PUMPER
SOLD TO# / USER
1. LOCATION          BLACK CREE          9. CONDITION CODE
10. DEMO FLAG
2. FLOORPLAN ITEM Y          DUE DATE 09/01/03      11. WARRANTY EXP DATE
3. VENDOR#          10194          INVOICE# 10058795
4. PAYMENT FLAG          12. EXTENDED WARR (Y/N)
5. AMOUNT PAID          13. EXT WARR CONTRACT#
6. CHECK NUMBER          CHK DATE          14. INSTALL DATE
15. SERVICE ORDER COMMENTS
7. ACQUISITION COST          152579.37
8. ADDED VALUE
VALUE TO ADD/SUBT.
LAST SERV ORD HR MTR READING 712 DATE 05/07/03
SERV ORD'S-Y          SERV BLTN'S-N          SALES ORDER
RECEIVED DATE          03/13/03          INVOICE NO.          LINE
RECEIVER NO          INV-SK          DATE          PRICE

ENTER LINE#, (S)OLD TO, (C)URRENT OR (P)REVIOUS END USER,
(A)DDITIONAL, (I)NV/SALES DATA, (T)EXT, * TO CANCEL, ^ TO POST A.
    
```

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Select the sequence number located to the left of the field you want to maintain, type the information, and then **ENTER**.

SN02A CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER 126460	PART # EON+COMPUMP	SITE 01
DLM 05/01/03	DESC COMM. PUMPER	
CREATED FROM CODE:	ON:	
1. ARRIVAL DATE	17. ENGINE MFR	
2. VEHICLE# (VIN)	18. ENGINE MODEL#	
3. CUSTOMER UNIT#	19. ENGINE TYPE/SPEC	
4. CUSTOMER ASSET#	20. ENGINE CODE	
5. APPARATUS TYPE	21. ENGINE SERIAL#	
	22. ENGINE WARRANTY	
	23. PAINT CODE	
	24. OIL FILTER	
9. REAR AXLE S/N	25. AIR FILTER	
10. REAR AXLE WARRANTY	26. FUEL FILTER	
11. WARRANTY REG DATE	27. WATER FILTER	
12. PAINT WARRANTY DATE	28. OTHER	
13. PUMP S/N	29. YEAR	
14. PUMP WARRANTY DATE	30. MAKE	
15. TRANSMISSION S/N	31. MODEL	
16. TRANSMISSION DATE	32. MFR.	IHTMKADR43H591565
ENTER LINE TO CHANGE, * TO VOID, P TO PAGE, ^ OR RTN TO CONTINUE ...		

Type T at the first maintenance screen to go to the text window. **Select 1**, then **type the information**.

SN02A CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER 126460	PART # EON+COMPUMP	SITE 01
DLM 05/01/03	DESC COMM. PUMPER	
1. CONDITION TEXT		
TYPE ANY INFO HERE THAT YOU WANT TO BE ABLE TO REFERENCE AT A LATER DATE		
ENTER NUMBER OR RTN TO CONTINUE .		

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Notice how it now displays on the first screen that you have text information to view.

SN02A	CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER 126460		PART # EON+COMPUMP	SITE 01
DLM 05/01/03	*** TEXT EXISTS ***	DESC COMM. PUMPER	
SOLD TO# / USER			
1. LOCATION	DEMO	9. CONDITION CODE	
		10. DEMO FLAG	Y
2. FLOORPLAN ITEM Y	DUE DATE 09/01/03	11. WARRANTY EXP DATE	
3. VENDOR# 10194	INVOICE# 10058795		
4. PAYMENT FLAG		12. EXTENDED WARR (Y/N)	
5. AMOUNT PAID		13. EXT WARR CONTRACT#	
6. CHECK NUMBER	CHK DATE	14. INSTALL DATE	
		15. SERVICE ORDER COMMENTS	
7. ACQUISITION COST	152579.37		
8. ADDED VALUE			
VALUE TO ADD/SUBT.			
		LAST SERV ORD HR MTR READING 712	DATE 05/07/03
SERV ORD'S-Y	SERV BLTN'S-N	SALES ORDER	
RECEIVED DATE	03/13/03	INVOICE NO.	LINE
RECEIVER NO	INV-SK	DATE	PRICE
ENTER LINE#, (S)OLD TO, (C)URRENT OR (P)REVIOUS END USER, (A)DDITIONAL, (I)NV/SALES DATA, (T)EXT, * TO CANCEL, ^ TO POST ..			

You can also select the fields that have numbers beside them to enter information as required. If you have a demonstrator unit, you can select **Line 1** and **type DEMO** for ease of tracking. You can also **select Line 10** and **type Y** to designate a demo unit. This will allow you to track demonstrations with customer information. You can also track service orders against this apparatus for servicing after a demo, making repairs, etc. The flag must be removed before selling and billing the serial# to a customer. You would select Line 10 and do a **“shift and underline” to remove the Y**.

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You can also use Serial Maintenance to **add customer's machines they already own**. This adds them to history so you can track how long ago they bought a fire truck, what year, make, and model it is, how much warranty time is left on it, etc. This is very helpful to do shortly after a conversion to the Realtime Software system because none of the previously sold history is entered yet. You can enter both apparatus your dealership has sold in the past, and apparatus your competition has sold to this customer. Type the **Screen Jump SM** and when prompted, enter the S/O# (or applicable number that identifies their truck) you want to add and **ENTER**.

```
SN02A  CW REALTIME SOFTWARE CORP          SERIAL MASTER MAINTENANCE    23 Jun 03
SERIAL NUMBER 103497XXXXXXXXXXXXXXXXXX
(OR ENTER '?' FOLLOWED BY PART# OR ':' FOLLOWED BY CUSTOMER#)
```

When prompted for the part number, **type ADD+ENGINE** or whatever other item number you have designated for apparatus sold history. It is sometimes helpful to use a different prefix than the new apparatus you are selling (EON+COMPUMP) to differentiate that it was entered manually rather than being invoiced through Realtime. **ENTER** to continue.

```
SN02A  CW REALTIME SOFTWARE CORP          SERIAL MASTER MAINTENANCE    23 Jun 03
SERIAL NUMBER 103497                      * NEW SERIAL NUMBER *
PART NUMBER  ADD+ENGINEXXXXXXXXXX
ENTER C TO CHANGE, * TO CANCEL, RTN TO CONTINUE
```

At this screen you will enter whatever information is important. **ENTER** through to the bottom of the screen.

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SN02A CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER 103497 DLM	PART # ADD+ENGINE DESC ENGINE	SITE
1. LOCATION	9. CONDITION CODE	
2. FLOORPLAN ITEM DUE DATE	10. DEMO FLAG	
3. VENDOR# INVOICE#	11. WARRANTY EXP DATE	
4. PAYMENT FLAG	12. EXTENDED WARR (Y/N)	
5. AMOUNT PAID	13. EXT WARR CONTRACT#	
6. CHECK NUMBER CHK DATE	14. INSTALL DATE	
	15. SERVICE ORDER COMMENTS	
7. ACQUISITION COST		
8. ADDED VALUE		
VALUE TO ADD/SUBT.		
	LAST SERV ORD HR MTR READING	DATE
SERV ORD'S-N	SERV BLTN'S-N	SALES ORDER
RECEIVED DATE		INVOICE NO.
RECEIVER NO		DATE
		LINE
		PRICE

ENTER LINE#, (S)OLD TO, (C)URRENT OR (P)REVIOUS END USER,
(A)DDITIONAL, (I)NV/SALES DATA, (T)EXT, * TO CANCEL, ^ TO POST

Type S to enter customer information.

SN02A CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER 103497 DLM	PART # ADD+ENGINE DESC ENGINE	SITE
1. LOCATION	9. CONDITION CODE	
2. FLOORPLAN ITEM DUE DATE	10. DEMO FLAG	
3. VENDOR# INVOICE#	11. WARRANTY EXP DATE	
4. PAYMENT FLAG	12. EXTENDED WARR (Y/N)	
5. AMOUNT PAID	13. EXT WARR CONTRACT#	
6. CHECK NUMBER CHK DATE	14. INSTALL DATE	
	15. SERVICE ORDER COMMENTS	
7. ACQUISITION COST 0.00		
8. ADDED VALUE		
VALUE TO ADD/SUBT.		
	LAST SERV ORD HR MTR READING	DATE
SERV ORD'S-N	SERV BLTN'S-N	SALES ORDER
RECEIVED DATE		INVOICE NO.
RECEIVER NO		DATE
		LINE
		PRICE

ENTER LINE#, (**S**)OLD TO, (C)URRENT OR (P)REVIOUS END USER,
(A)DDITIONAL, (I)NV/SALES DATA, (T)EXT, * TO CANCEL, ^ TO POST **S**..

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Type 1 and **ENTER**. Type the customer number if known, or **search by name**.

SN02A	CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER	103497	PART # ADD+ENGINE	SITE
DLM		DESC ENGINE	
1.	SOLD TO	??HAV	
	NAME		
	ADDR1		
	ADDR2		
	CITY		
	STATE		
	ZIP		
	PHONE		
2.	SALESMAN		PERCENT

ENTER LINE NO. TO CHANGE,
P TO PAGE SALESMEN, * TO CANCEL, RTN TO CONTINUE, ^ TO POST

Select the correct customer and **ENTER**. If there is a choice of a bill-to (14940) and a ship-to (14940*01), **always select the ship-to** for setting up apparatus history. This updates the current end user with the ship-to information. It is much easier to have a physical address when looking at a customer's apparatus information by the S/O#.

SN02A	CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
Seq. Customer		Number	Searching on HAV
SN02A	CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
Seq. Customer		Number	Searching on HAV
1	CITY OF HAVELOCK	14940	HAVELOCK NC
2	CITY OF HAVELOCK	14940*01	HAVELOCK NC

Enter Seq., * To Exit, PB Page Back, C Change Search, or (RTN) to page.
ENTER LINE NO. TO CHANGE,
P TO PAGE SALESMEN, * TO CANCEL, RTN TO CONTINUE, ^ TO POST **2**

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The customer information will fill in and on the left side of the screen you will be asked if you want to update the current end user. The default is **Y** so just **ENTER** to continue which returns you to the first screen.

SN02A	CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER	103497	PART # ADD+ENGINE	SITE
DLM		DESC ENGINE	
WANT TO UPDATE THE CURRENT END USER? Y	1. SOLD TO	14940*01	
	NAME	CITY OF HAVELOCK	
	ADDR1		
	ADDR2	359 N. EIGHTH ST	
	CITY	HAVELOCK	
	STATE	NC	
	ZIP	28532	
	PHONE	919-444-6431	
	2. SALESMAN		PERCENT

ENTER LINE NO. TO CHANGE,
P TO PAGE SALESMEN, * TO CANCEL, **RTN** TO CONTINUE, ^ TO POST

If you happen to have the invoice information, **type I** and **ENTER** through the fields to Invoice No., Date, and Price. If any of this is known it can be entered here for reference.

SN02A	CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER	103497	PART # ADD+ENGINE	SITE
DLM	06/23/03	DESC ENGINE	
1. LOCATION		9. CONDITION CODE	
2. FLOORPLAN ITEM	DUE DATE	10. DEMO FLAG	
3. VENDOR#	INVOICE#	11. WARRANTY EXP DATE	
4. PAYMENT FLAG		12. EXTENDED WARR (Y/N)	
5. AMOUNT PAID		13. EXT WARR CONTRACT#	
6. CHECK NUMBER	CHK DATE	14. INSTALL DATE	
7. ACQUISITION COST	0.00	15. SERVICE ORDER COMMENTS	
8. ADDED VALUE	0.00		
VALUE TO ADD/SUBT.			
	LAST SERV ORD	HR MTR READING	DATE
SERV ORD'S-N	SERV BLTN'S-N	SALES ORDER	
RECEIVED DATE		INVOICE NO.	LINE
RECEIVER NO		DATE	PRICE

ENTER LINE#, (S)OLD TO, (C)URRENT OR (P)REVIOUS END USER,
(A)DDITIONAL, (**I**)NV/SALES DATA, (T)EXT, * TO CANCEL, ^ TO POST **I**.

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SN02A CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER 103497	PART # ADD+ENGINE	SITE
DLM 06/23/03	DESC ENGINE	

1. LOCATION	9. CONDITION CODE
2. FLOORPLAN ITEM	10. DEMO FLAG
3. VENDOR#	11. WARRANTY EXP DATE
4. PAYMENT FLAG	12. EXTENDED WARR (Y/N)
5. AMOUNT PAID	13. EXT WARR CONTRACT#
6. CHECK NUMBER	14. INSTALL DATE
	15. SERVICE ORDER COMMENTS

7. ACQUISITION COST	0.00	
8. ADDED VALUE	0.00	

VALUE TO ADD/SUBT.

	LAST SERV ORD HR MTR READING	DATE
SERV ORD'S-N	SERV BLTN'S-N	SALES ORDER
RECEIVED DATE	INVOICE NO.	250935
RECEIVER NO	DATE	03/25/02
	PRICE	146380.00

ENTER LINE#, (S)OLD TO, (C)URRENT OR (P)REVIOUS END USER,
 (A)DDITIONAL, (I)NV/SALES DATA, (T)EXT, * TO CANCEL, ^ TO POST ..

The final step is to **type A** for additional and enter whatever information you have or that is important. At the very least, it would be helpful to fill in **Lines 29-32**.

SN02A CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER 103497	PART # ADD+ENGINE	SITE
DLM 06/23/03	DESC ENGINE	

CREATED FROM CODE: MC ON: 06/23/03

1. ARRIVAL DATE	17. ENGINE MFR
2. VEHICLE# (VIN)	18. ENGINE MODEL#
3. CUSTOMER UNIT#	19. ENGINE TYPE/SPEC
4. CUSTOMER ASSET#	20. ENGINE CODE
5. APPARATUS TYPE	21. ENGINE SERIAL#
	22. ENGINE WARRANTY
	23. PAINT CODE
	24. OIL FILTER
9. REAR AXLE S/N	25. AIR FILTER
10. REAR AXLE WARRANTY	26. FUEL FILTER
11. WARRANTY REG DATE	27. WATER FILTER
12. PAINT WARRANTY DATE	28. OTHER
13. PUMP S/N	29. YEAR
14. PUMP WARRANTY DATE	30. MAKE
15. TRANSMISSION S/N	31. MODEL
16. TRANSMISSION DATE	32. MFR.

ENTER LINE TO CHANGE, * TO VOID, P TO PAGE, ^ OR RTN TO CONTINUE ...

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SN02A	CW REALTIME SOFTWARE CORP	SERIAL MASTER MAINTENANCE	23 Jun 03
SERIAL NUMBER 103497		PART # ADD+ENGINE	SITE
DLM 06/23/03		DESC ENGINE	
CREATED FROM CODE: MC	ON: 06/23/03		
1. ARRIVAL DATE	17. ENGINE MFR		
2. VEHICLE# (VIN)	18. ENGINE MODEL#		
3. CUSTOMER UNIT#	19. ENGINE TYPE/SPEC		
4. CUSTOMER ASSET#	20. ENGINE CODE		
5. APPARATUS TYPE	21. ENGINE SERIAL#		
	22. ENGINE WARRANTY		
	23. PAINT CODE		
	24. OIL FILTER		
9. REAR AXLE S/N	25. AIR FILTER		
10. REAR AXLE WARRANTY	26. FUEL FILTER		
11. WARRANTY REG DATE	27. WATER FILTER		
12. PAINT WARRANTY DATE	28. OTHER		
13. PUMP S/N	29. YEAR	2002	
14. PUMP WARRANTY DATE	30. MAKE	E-ONE LADDER	
15. TRANSMISSION S/N	31. MODEL	TRK# H-320	
16. TRANSMISSION DATE	32. MFR.	IHLMRACJ28K434721	

ENTER LINE TO CHANGE, * TO VOID, P TO PAGE, ^ OR **RTN** TO CONTINUE ...

ENTER when finished at this screen, then at the main screen, **^ to post** the information to the serial number. The process of adding a customer's apparatus is complete. You can also add this type of information into Serial Maintenance when opening up a service order for the first time on their apparatus. The procedure shown here is just another way to add it ahead of time.

INVENTORY

H. REPORTS

There are several inventory reports available from the system. The three most common are discussed below.

INVENTORY STOCK STATUS REPORT

The Inventory Stock Status Report (menu **SIN03** choice **11**) provides information on a site basis regarding an item's on-hand and historical status. The report lists the item#, description, site, primary and secondary bin locations; on-hand, committed, available and on-order quantities; ROP, ROQ, ytd hits, quantity sold ytd and last year; and unit (not extended) cost.

SCREEN CW REALTIME SOFTWARE CORP	Inv Displays And Reports	08 Oct 04
4 BCP-TEST6		KAS
SIN03	ENTER SELECTION NUMBER:	23:51:48
HS		
FUNCTION	NMBR	DESCRIPTION
	0	Select Printer
	1	Inventory Inquiry
	2	Category Parameter Inquiry
	3	Inventory Master List
	4	Quantity Status Reports
	5	Inventory With Negative On Hand Report
	6	Inventory Order Display
	7	Bin/Lot/Serial Inquiry
	8	Multiple Site Inventory Inquiry
	9	On Hand Serial Number Inquiry
	10	Serial Number History Inquiry
	11	Inventory Stock Status Report
	12	Obsolete Inventory / Vendor Return Report

Users can specify various criteria to tailor the report to their needs including bin locations, product lines and sites (see below).

IN03K CW REALTIME SOFTWARE CORP	INVENTORY STOCK STATUS REPORT	08 Oct 04
ENTER PROFILE TO USE	RT-DEF	DESC - BY ITEM# - ALL ITEMS ON HAND
1. ENTER SORT OPTION	C 1	BY ITEM#
2. SITE	I	
3. CATEGORY	I	
4. ITEMS TO INCLUDE	C O	ON-HAND ITEMS ONLY
5. ITEM# RANGE TO INCLUDE	R TO	
6. BIN RANGE TO INCLUDE	R TO	
7. PRODUCT-LINES TO INCLUDE	I	
8. PRODUCT-LINES TO EXCLUDE	N	

SUMMARY INVENTORY VALUATION REPORT

A good report to use in for reconciling inventory to the general ledger is the Summary Inventory Valuation Report (menu **SIN05** choice **5**). Despite its name, it is available in both detail and summary versions and provides a breakdown of on-hand inventory at actual cost – the actual FIFO/LIFO strings cost extensions are used, not total quantity times inventory unit cost.

SCREEN CW REALTIME SOFTWARE CORP	Price And Valuation Reports	09 Oct 04
4 BCP-TEST6		KAS
SIN05	ENTER SELECTION NUMBER:	00:55:53
HS		
FUNCTION	NMBR	DESCRIPTION
	0	Select Printer
	1	Inventory Missing Unit Cost Report
	2	Price And Valuation Report
	3	Inventory Missing Unit Price Report
	4	Price List
	5	Summary Inventory Valuation Reports
	6	Month End Inventory Roll Forward

Users can enter their own criteria or use the default profile provided by Realtime. Profiles can be saved making it easy to store a separate set of criteria for varying needs. In the screen print below you can see that the report criteria can specify site, item#, category and other options. The summary version will provide a subtotal on each sort break. The detail version will provide figures on each item as well as the subtotals.

IN05E CW REALTIME SOFTWARE CORP	PRICE AND VALUATION REPORTS	09 Oct
04		
ENTER PROFILE TO USE	RT-EX	DESC - SUMMARY & DETAIL EXPORT
1. ENTER ITEM #	A	
2. ENTER SITE SELECTION	A	
3. DATA DISPLAY SELECTION	C 1	BY SITE BY PGC
4. ENTER REPORT STYLE	C 3	BOTH SUMMARY AND DETAIL
5. SERIAL FLAG	I	
6. PRINT SERIAL NUMBER DETAIL	C Y	YES
7. ENTER CATEGORY	A	
Select #, S)AVE, DEL)ETE PROFILE, E)XPORT, OR 'Y' TO EXECUTE		...

OBSOLETE INVENTORY REPORT

The Inventory Stock Status Report (menu **SIN03** choice **12**) provides a listing of inventory to be returned to a vendor or considered obsolete.

SCREEN CW REALTIME SOFTWARE CORP	Inv Displays And Reports	08 Oct 04
4 BCP-TEST6		KAS
SIN03	ENTER SELECTION NUMBER:	23:51:48
HS		
FUNCTION	NMBR	DESCRIPTION
	0	Select Printer
	1	Inventory Inquiry
	2	Category Parameter Inquiry
	3	Inventory Master List
	4	Quantity Status Reports
	5	Inventory With Negative On Hand Report
	6	Inventory Order Display
	7	Bin/Lot/Serial Inquiry
	8	Multiple Site Inventory Inquiry
	9	On Hand Serial Number Inquiry
	10	Serial Number History Inquiry
	11	Inventory Stock Status Report
	12	Obsolete Inventory / Vendor Return Report

Users can enter their own criteria or that provided by the supplier to specify which items will be considered for vendor return or obsolescence. Profiles can be saved making it easy to store a separate set of criteria for each vendor. Most common vendor criteria such as return-codes, unit and extended cost have been included. A sample profile is displayed below.

IN03L CW REALTIME SOFTWARE CORP	VENDOR RETURN / OBSOLETE INVENTOR	09 Oct 04
ENTER PROFILE TO USE	SCOTTY	DESC - TEST ONLY
1. SORT ORDER	C 1	BY ITEM#
2. SITE	I 01	
3. CATEGORY	I P	
4. PRODUCT LINES TO INCLUDE	I JAC-	
5. PRODUCT LINES TO EXCLUDE	N	
6. NO ACTIVITY SINCE	X D 12/31/02	
7. DISALLOWED RETURN-CODES	N NR X	
8. MINIMUM SINGLE ITEM COST	X 1.00	
9. MINIMUM EXTENDED COST	X 10.00	
10. # OF HITS CONSIDERED ACTIVE	X 3	
Select #, S)AVE, DEL)ETE PROFILE, OR 'Y' TO EXECUTE		
PROFILE DATA HAS CHANGED, SAVE PROFILE WITH 'S' OPTION.		

In this example, the report will be:

Sorted by item#

Contain only items from site '01'

Contain only items with category 'P'

Contain only items that begin with the prefix 'JAC-'

Contain only items that have had no activity since 12/31/02

Will NOT contain items with return-code 'NR' or 'X'

Will NOT contain items with an individual unit-cost less than \$1.00

Will NOT contain items with an extended cost of less than \$10.00

Will NOT contain items that have 3 or more YTD hits