

# Rental Processing For Sage 100 ERP

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# Installation Instructions and Cautions

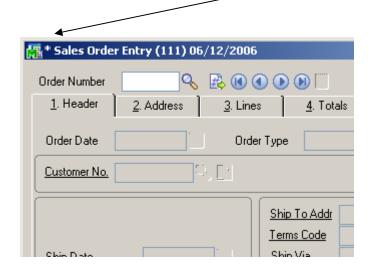
PLEASE NOTE: SAGE 100 ERP must already be installed on your system before installing any IIG enhancement. If not already done, perform your SAGE 100 ERP installation and setup now; then allow any updating to be accomplished automatically.

Once SAGE 100 ERP installation and file updating is complete, you may install your IIG enhancement product by following the procedure below.

# Wait! Before You Install - Do You Use CUSTOM OFFICE?

THIS IS AN IMPORTANT CAUTION: If you have Custom Office installed, and if you have modified any SAGE 100 ERP screens, you must run Customizer Update after you do an enhancement installation.

But wait! BEFORE you run Customizer Update, it is very important that you print all of your tab lists. Running Customizer Update will clear all Tab settings; your printed tab list will help you to reset your Tabs in Customizer Update. Custom Office is installed on your system if there is an asterisk in the title bar of some of the screens. The asterisk indicates that the screen has been changed.



An asterisk in a window's title bar indicates that the screen has been modified. This means that Custom Office is installed.

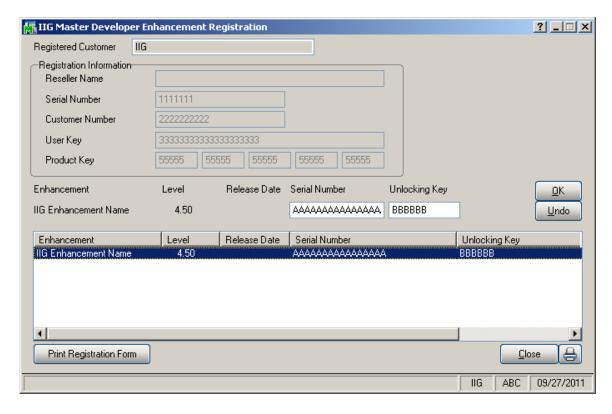
Follow all the instructions on this page before you run Customizer Update!

# Registering IIG products

IIG Enhancement should be registered to be able to use it. If registration is not performed, the enhancement will work in a demo mode for a limited time period. The registration can be still done during the demo period.

Select the **IIG Product Registration** program under the **Library Master Setup** menu of the SAGE 100 ERP.

If this option is not listed under the Library Master Setup menu, go to the main menu, and select **Run** from the **File** menu. Type in SVIIGR and click **OK**.



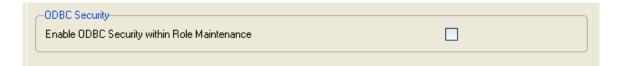
Enter **Serial Number** and **Unlocking Key** provided by IIG, and click **OK**.

If multiple IIG Enhancements are installed, Serial Numbers and Unlocking Keys should be entered for each enhancement.

Use the **Print Registration Form** button to print IIG Registration Form.

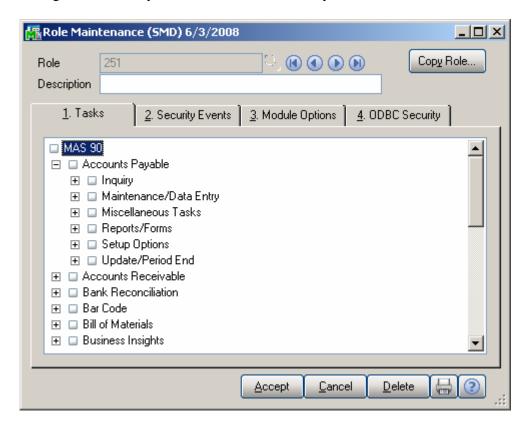
# **ODBC Security**

After installing an **IIG Enhancement**; it is **very important to verify** whether or not the **Enable ODBC Security within Role Maintenance** check box is selected in the **System Configuration** window of your system. If it is selected you must assign ODBC security permissions and allow access to custom data tables/fields for the Roles defined in your system.



# **Role Maintenance**

After installing an **IIG Enhancement**, permissions must be configured for newly created Tasks and Security Events.



# Introduction

#### **Rental Processing** allows the user to:

- Set up unlimited **Bill Codes** in the system
- Apply flexible Rental Rates: daily, monthly, weekly, etc.
- Sell and rent out the same Item from the same warehouse
- Sell and rent out items in the same order
- Establish different **pricing** (Time based; Pct. of Sale price) for rental items based on the length of the rental period
- Determine the **available quantity** for a rental item for a requested rental period
- Bill the customer for the rental either periodically or all at once
- Determine exact Billing Periods of extended rentals: Prorating, Round up Cut-Off, Best pricing
- Record **return** of the rental items: Track early, late and partial returns
- Handle Extended Rentals setting during rentals return
- Track current status for each serial number
- Track missing and damaged rentals
- Get detail information about the rentals through the Business Insights Explorer
- Process sub-rentals
- Bill the customer monthly by setting the exact day of billing

#### Warning!

This enhancement contains new functional features that are not compatible with previous versions of IIG Rental Processing Enhancement (RNT405, RNT410, RNT420, RNT430 with Sage Service Update\_5)

# **Set-up Activities**

# Bill Code Maintenance

The **Bill Code Maintenance** program added under the **Sales Order Setup** menu is intended for setting the **Bill Codes** to be used when billing for rentals.

The **Bill Code** represents rental time period such as a day, week, month, etc...



Enter the **Number of Days** represented by the specified **Bill Code**. Based on this field the number of billing periods for the rental will be determined.

By the **Bill Codes** setup in your system flexible Rental Rates may be applied: daily, monthly, weekly, etc. Later those Rates are used in the Sales Order Entry when calculating Rental Rate (Unit price) for the Rental Billing period.

The **Allow Monthly Billing** option is intended for rentals that should be billed monthly. Select the **Allow Monthly Billing** check box if you want to allow monthly billing for the selected Bill Code. In this case you can specify any day of the month as a **Billing Day** in the Sales Order Entry. Checking this option is sensible only for the Billing Codes that have **Number of Days per Billing Periods** at least equal to the number of days in one month.

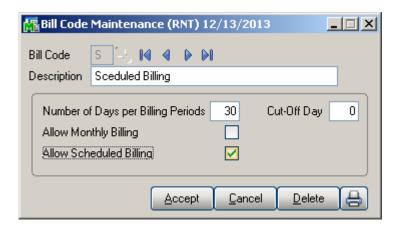
That is, you can select the **Allow Monthly Billing** checkbox if the **Number of Days per Billing Periods** set for current **Bill Code** is more than 21 and less than 31, otherwise it doesn't make sense.



**Cut- Off Day** – this field allows setting up a cut off day for each billing period. It allows for setting the number of days as the cut-off for billing the monthly charge. The rental rate for periods less than the cut-off day (for example 20 days) will be calculated based on the Daily Rate calculated as the **Monthly Rate/ Cut Off Day.** 

For example if the Cut off Day is set to 20 and the Monthly Rate is 600 then the rate for a period less than 20 days will be calculated as: 600/20=30.

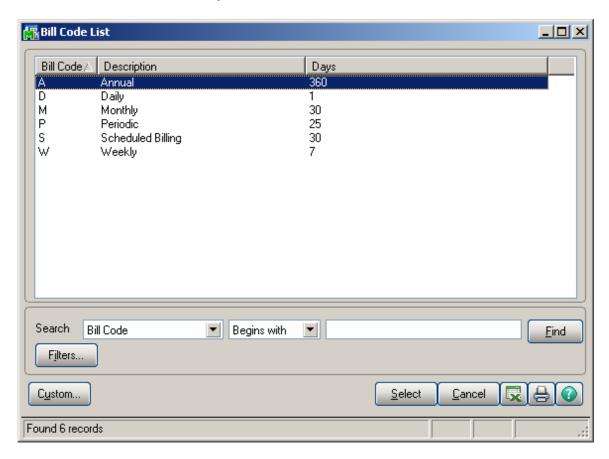
The **Allow Scheduled Billing** option allows for setup of Bill Codes for Scheduled Billing.



In the Sales Order Entry selecting the **Scheduled Billing Type** will allow for entry of the desired schedule for Rental Invoice generation.

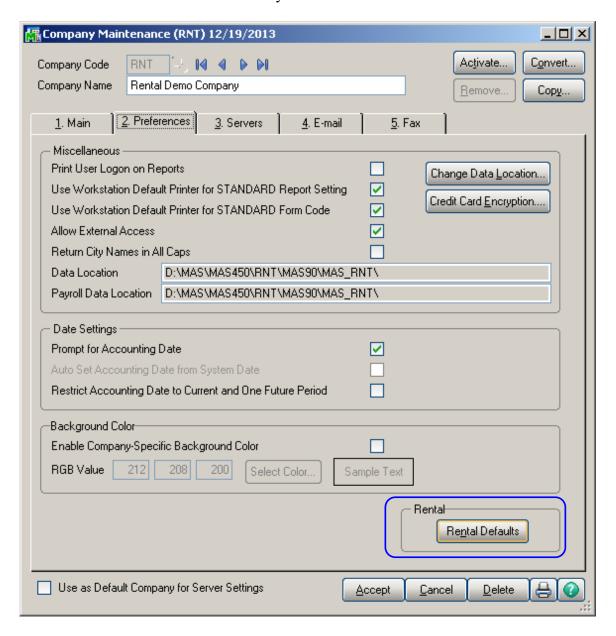
For Scheduled Billing the invoice will be generated for one month based on the Rate specified for current Scheduled Billing Code regardless of the period being 28 or 30 or 33 days.

The lookup button next to the Bill Code field displays a list of all Bill Codes setup in the system. Note, the Bill Code entered cannot be numeric (only letters).

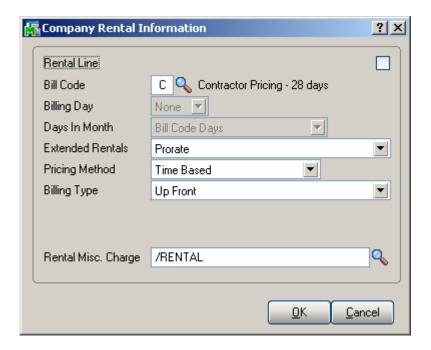


# Company Maintenance

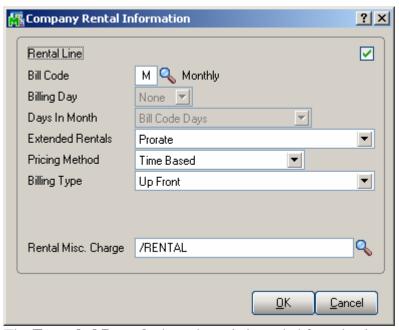
The **Rental Defaults** button has been added to the **Preferences** tab of **Company Maintenance** to allow setting Rental default values for the selected Company. Those settings are defaulted to the Customers added in your system and can be modified for individual customers from the **Customer Maintenance** if necessary.



Click the **Rental Defaults** button to configure Rental settings specific for your company.



You can select the **Rental Line** checkbox to default the settings specified here on the Sales Order. Select the **Bill Code** that should be used for determining rental billing periods for the company. Upon selecting the **Rental Line** checkbox the **Bill Code** field will be populated with corresponding **Bill Code** set in the **Sales Order Options**.



The **Extended Rentals** drop-down is intended for selecting an option for calculating rental billing periods in the Sales

(Rental) Order Entry. The periods for extended rentals are calculated based on the specified **Bill Code** taking into account the Rental **Start Billing** and **End Billing Dates** and the **Billing Day** if specified. The following options are available for Extended Rentals: **Prorate, Best Pricing, Round Up** or **Cut-Off Day**.



**Prorate** means the incomplete period is represented as fraction of the period. For example, if the Bill Code is W (Weekly, Calendar Days = 7), for 25 days rent the Billing Periods are calculated as 3.57W (25 / 7).

**Best Pricing** means that the **Rental Period** is calculated exactly by whole periods. For example, 25 days will be represented as 3W 4D (3 weeks 4 days).

**Round Up** means that the rental period will be increased to the next whole number when an incomplete period remains (for example, for Weekly (W) Bill Code 25 days will be rounded up to 4W (4 weeks).

**Cut-Off Day**- if the Extended Rental is set to cut-off day and the Cut-off day is setup for current Bill Code the rental billing periods less than the cut-off days will be calculated on the daily basis and the billing periods greater than the cut-off days will be considered a whole period. For example, if the Billing Code is "M" (number of days 30) with **Cut Off** day set to 20, and the Billing Day is set to 5, then for 40 days' rent from 05/21/2012-06/30/2012 the Billing Periods will be represented as 1M 16D. The Billing periods are calculated as follows: From 5/21/2012-06/05/2012 (the Billing Day) - 16 days and from 06/05/2012-6/30/2012 (actual 25 days, as cut-off is 20) 25 days are considered a month and the Billing periods are: 1M 16D.

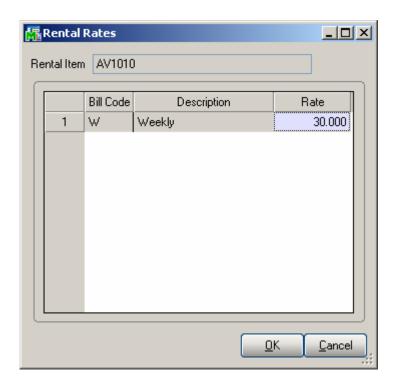
The rental Unit Price will be calculated respectively as: **Monthly Rate+16\*Monthly rate/Cut-Off Days**. In our example it is 600+16\*30=1080

The **Pricing Method** determines how the item prices/rates will be calculated. It can be either **Time Based** or **Pct of Sale Price**.

For **Time Based** pricing, the Item Unit Price will be calculated based on the Rental Rate specified for the Bill Codes.

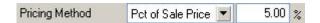


For example the Rate of some Item for W (weekly) Bill Code is 30. The Item is ordered for Billing Periods=2W. In this case the Unit Price in the Sales Order Entry will be calculated as 2\*30=60



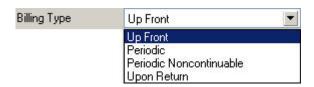
Select the **Pct of Sales Price** if you want the Unit Price in the Sales Order Entry to be calculated based on the Item's Sales Price and the specified percent.

If **Pct of Sale Price** is selected, a (%) field near that list becomes visible. For this **Pricing Method** the Rental rate for one Billing period is calculated as the Sales Price\*X%.



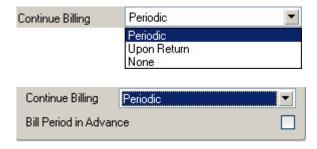
Suppose the Sales Price of the Item is 250 and we have entered 5%. The Rental rate of this Item for one Billing period will be 250\*5/100=12.5. When renting out this Item for 2W billing periods the Unit Price in the Sales Order Entry will be calculated as 2 \* 12.5=25.

Flexible **Billing Types** have been provided. The **Up Front**, **Periodic**, **Periodic Noncontinuable** and **Upon Return** billing types can be selected.



**Up Front** means rentals will be billed in advance for the whole rental period.

The **Continue billing** field is intended for rentals with **Up Front Billing Type** and is visible when Up Front is selected. It determines how to continue billing rentals when rental period is over, that is the rentals should be returned but the customer has not returned them yet (late return). You can choose to continue billing periodically, upon return or none.



If Continue Billing is set to Periodic the Bill Period in Advance field becomes visible. If the customer should be billed for a period in advance, check the Bill Period in Advance box. The lines will be billed in advance for the next period.

In case the **Periodic** type is selected rentals will be billed periodically during the whole rental period. For Periodic type Rental Invoice generation is available even if the rental period is over but there are rentals not returned yet.

For **Periodic Noncontinuable** billing type Rental Invoice generation is available only during the rental period and Invoice generation is not available after the period is over.

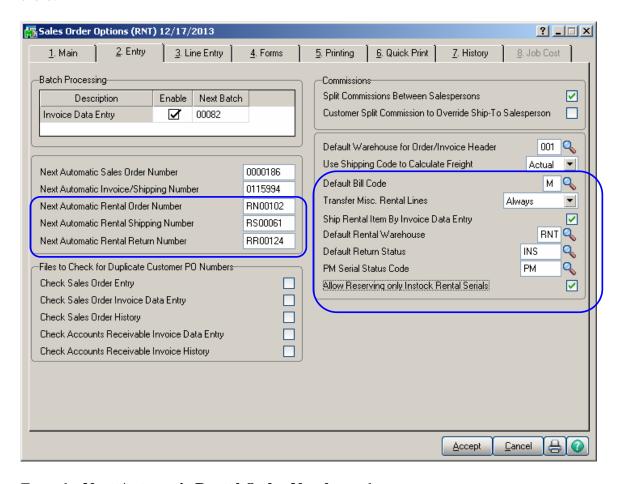
And if the **Upon Return billing** type is selected rentals are billed when rental items are returned.

If the **Continue Billing** option is set to **None** no Invoice is generated for the rental over days.

The **Rental Misc. Charge** field allows the user to select a Misc. Charge Code to be used for billing rentals. The Misc. Charge Code specified here is defaulted to the corresponding field of the Inventory Rental Information screen when new Item is created and can be changed there.

# Sales Order Options

On the **Entry** tab of the **Sales Order Options** you can select the **Default Bill Code** to be used in the Sales Order Entry for rentals. The Bill Code specified in the Sales Order options is defaulted to the Sales Order and can be changed there.



Enter the **Next Automatic Rental Order Number** to be used in the **Sales Order Entry** when creating rental orders through the **Next Rental Order** button added on the Sales Order Entry screen.

Enter the **Next Automatic Rental Return Number** to be used in the **Rental Return Entry**. This field is required and cannot be left blank.

Enter the **Next Automatic Rental Shipping Number** to assign the Shipping Number automatically in **Rental Shipping Data Entry**.

**Default Bill Code-** select the Bill Code to be used in the Rental Order Entry.

The **Transfer Misc. Rental Lines** option provides an ability of carrying over the Rental Comment, Misc Charge and Misc. Item lines to the Invoice generated through the Rental Invoice Generation program.

Three options are provided: **None**, **Always** and **Once**. If **None** is selected the Comment, Misc Charge and Misc. Item lines will not be carried over to the Invoice. In this case the Rental Order containing any other none rental lines will not be deleted after the Sales Journal update even though the rental lines have been returned and billed completely (Rent Status is set to Close). If this option is set to **Always** the **Comment lines** are always carried over to the Invoices generated for current order. If **Once** is selected the comment lines will be carried over only to the first Invoice generated for current rental order. (See Details)

**Ship Rental Item by Invoice Data Entry-** check this box to enable Rental Items shipping by the Invoice Data Entry.

**Default Rental Warehouse-** select the default warehouse to be used for rental lines.

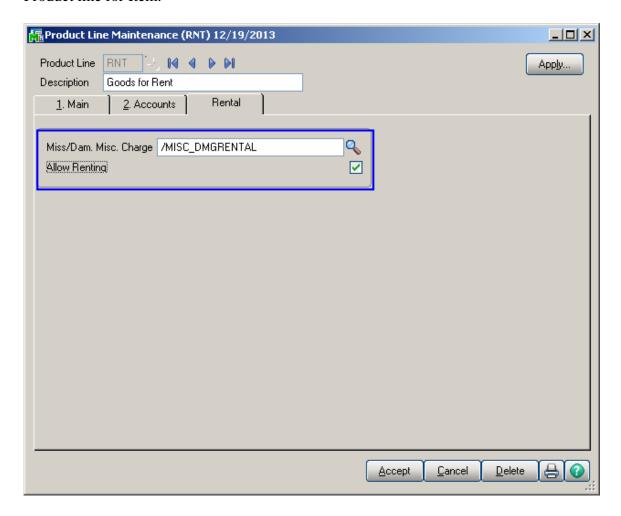
**Default Return Status-** select a status to apply by default during serial Items return in the Rental Return entry.

**PM Serial Status Code-** select a status code to be used when serial Items with Scheduled PM are returned.

Allow Reserving only Instock Rental Serials – select this checkbox if you want to be able to reserve only the serials actually available in the warehouse at the time of Order entry, regardless the rental dates. In this case the same serial number cannot be reserved on different Orders. If this checkbox is not selected you can reserve also the serial numbers, which are not actually available in the warehouse but will be available for the specified Rental period.

# Product Line Maintenance

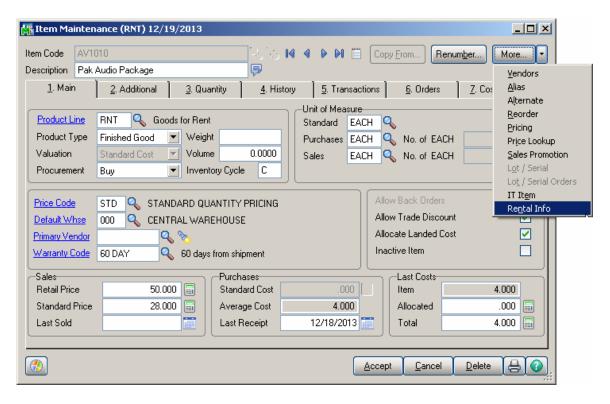
The **Rental** tab added to the **Product Line Maintenance** allows the user to setup a **Product Line** for Rental Items. If the **Allow Renting** checkbox is selected and there is a **Miss/Dam Misc. Charge** code set on the Rental tab the Product line settings will be defaulted to the Item Maintenance Rental Information screen upon entering the Product line for Item.



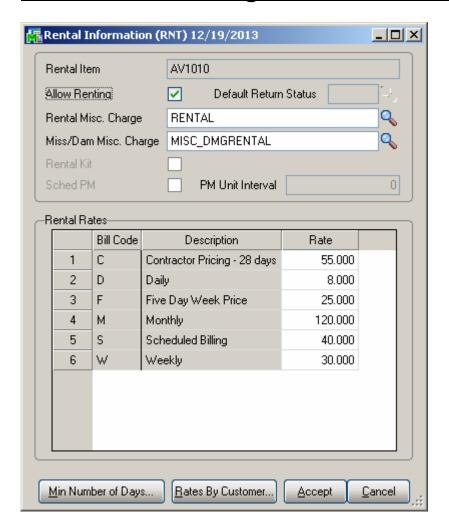
# Item Maintenance

The **Rental Info** button has been added to the **Main** tab of the **Item Maintenance** to allow the user indicating the Items that can be rented out and establish respective rental rates.

Lot valuation Items cannot be rented.



Click the **Rental Info** button to open the **Rental Information screen** and enter the necessary information.



Set the **Allow Renting** flag to specify the item as rental and enter the Rates for the **Bill Codes**. Rental rates established for each Inventory Item are defaulted to the Sales Order and can be changed there.

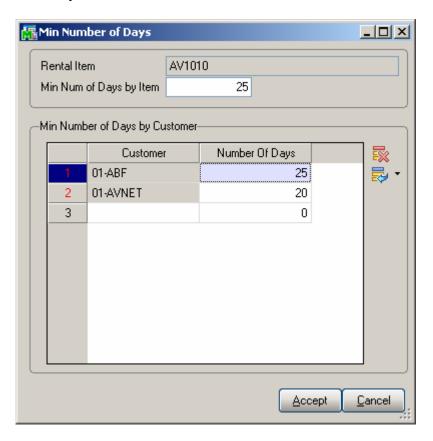
Select or enter the **Rental Misc Charge** code that will be used for billing rental item.

For newly created rental items it is defaulted from the Company Maintenance.

The Miss/Dam Misc Charge code is used when Invoice is generated through the Track Missing/Damaged Rentals program to bill the customer for Missing/Damaged items.

#### **Minimum Number of Days**

The **Min Number of Days** button is intended to allow setup of minimum number of days for the selected Item rent. Minimum number of days may be setup by Item and/or by Customer.



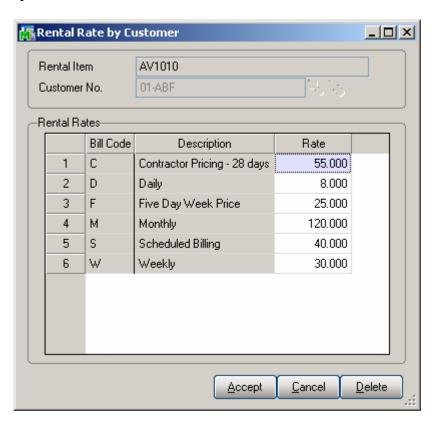
Press the **Min Number of Days** button to open the Min Number of Days screen and set the number of days. If there is already **Min Num. of Days by Item set** for current Item it is defaulted to the **Number of Days** field in the grid upon selecting a Customer.

If there is **Min Number of Days** setup for an Item by Item or by Customer the Rental Ending Date and End Billing Date in the Rental Order lines are automatically calculated respectively taking into account those number of days. Here is an example of how the Ending dates are calculated in a Rental Order created for Customer **01-ABF** and **Item#AV1010**:



#### **Rental Pricing by Customer by Item**

There is an option also for setting rental rates by Customer. Press the Rates by Customer button to setup rental rates for specific customer:

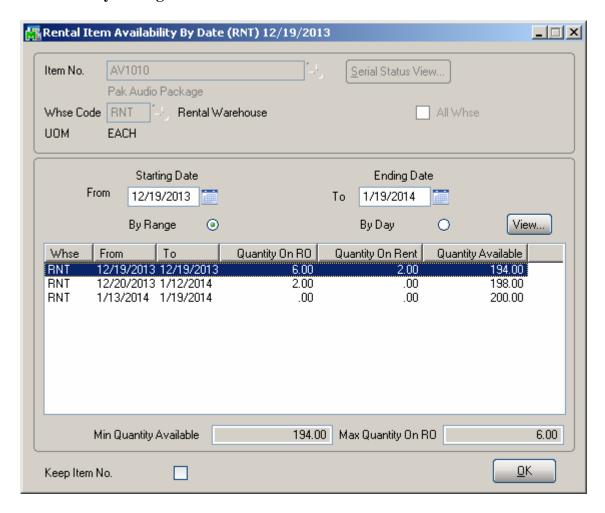


If there is specific Rental Rate setup for a Customer it is used when calculating Unit Price in the Rental Order.

#### Rental Item Availability by Date

A major feature of **Rental Processing** is the ability to track the availability of a rental item by the requested date range.

Run the **Rental Item Availability by Date** program from the **Inventory Management Main** menu.



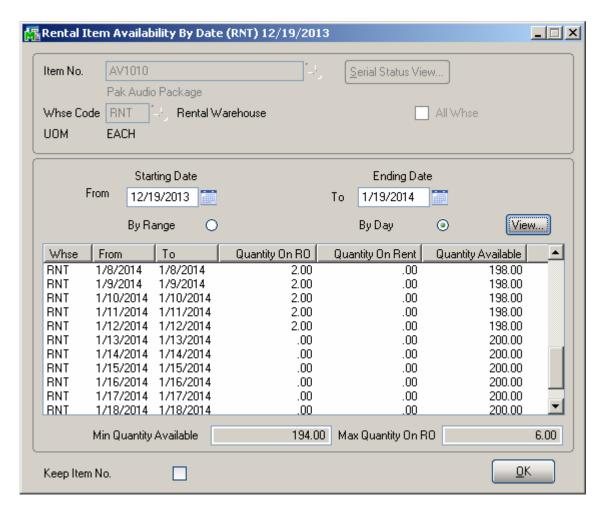
For the selected **Item Number** and **Warehouse**, the program displays the **Quantity on RO (Rental Order)**, **Quantity On Rent** (the quantity already shipped) and **Quantity Available** (for renting).

The information can be displayed either for the selected Date Range or for each day in the selected Date Range. To view information for each day select the **By Day** option and click the **View** button.

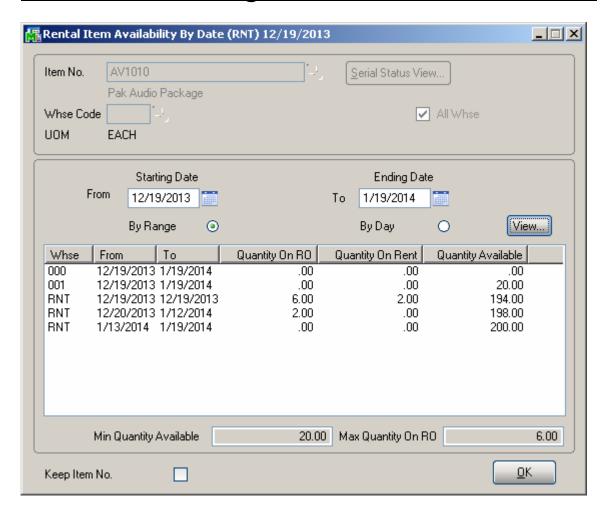
The **Quantity Available** for a time period means the following: if a customer wants to rent a certain quantity of an item for a particular time period and that quantity is not available even on one of those days in the requested rental period, he will not be able to rent that quantity.

The **Quantity Available** for a time period is defined as the **smallest** amount available on any day in that period.

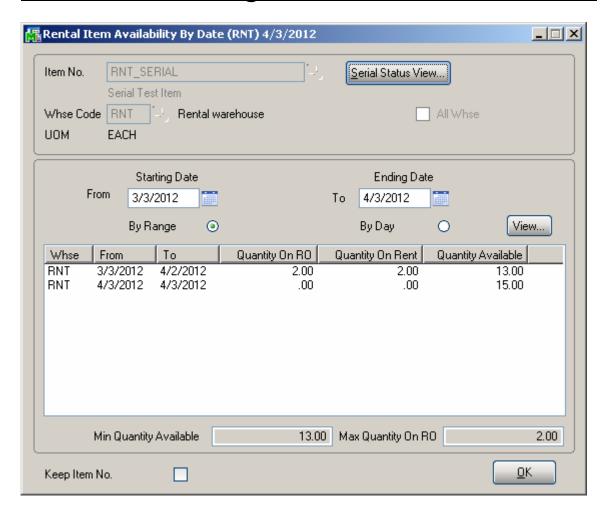
Only SO quantities are taken into account in Qty Available, the **I/M Include in Quantity Available** option is not taken into account.



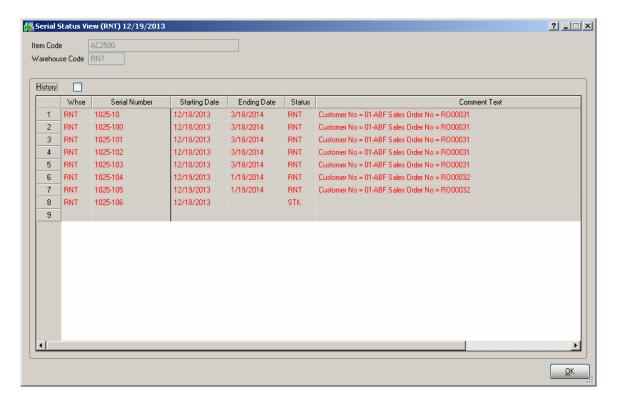
Select All **Whse** checkbox to view the Item availability in all warehouses.



For Serial Items the Serial Status View button is enabled allowing the user to view the status of a Serial number.



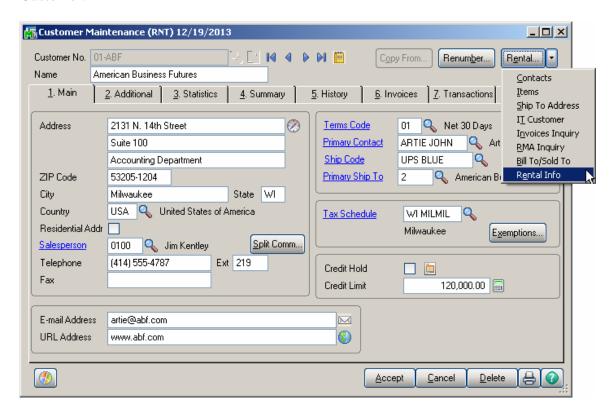
Upon clicking the **Serial Status View** button **Serial Status View** screen is opened:



If the **Keep Item No**. checkbox is selected on the Rental Item Availability screen, the specified Item Code is not cleared after pressing OK.

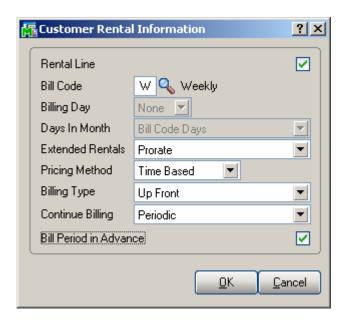
# Customer Maintenance

The **Rental Info** button added on the **Customer Maintenance** screen allows specifying rental settings to be used by default when creating an order for particular Customer.



Click the **Rental Info** button.

The **Customer Rental Information** screen is opened.

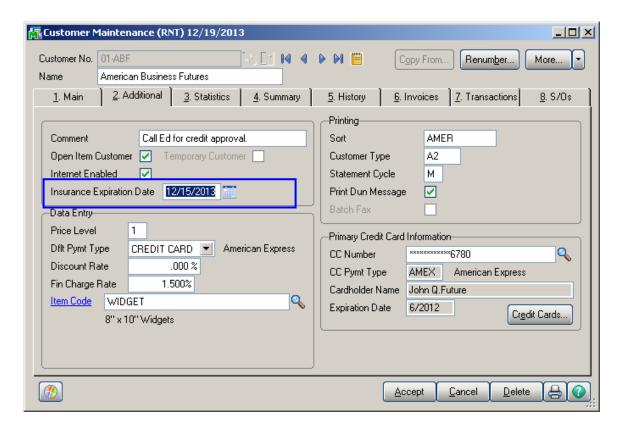


This screen is identical to the one opened from the **Company Maintenance** (see the <u>Company Maintenance</u> field descriptions of the **Company Rental Information** screen for more details).

Note, if no **Rental Information** is specified for a particular customer, the **Rental Defaults** set on the corresponding Company will be used (which in their turn can be changed later).

The Company Rental Defaults are automatically applied when creating new Customer. Any changes of Company rental settings do not renew rental settings for the existing customers.

The Insurance Expiration Date added to the Additional tab of the Customer Maintenance screen allows for specifying the Insurance Expiration Date. The Insurance Expiration Date specified for the customer is validated when creating Sales Order with Rental lines.



In case the **Insurance Date** has been expired at the time of creating order the following warning message will appear upon selecting the Customer having **Rental Line** checkbox selected in the Customer Maintenance or upon checking the **Default Rental Line** checkbox on the Sales Order **Rental Header Information** screen.



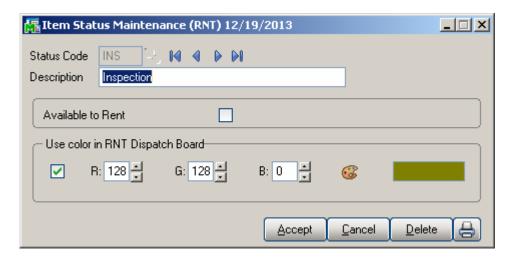
The Insurance Date is considered expired if it matches the Sales Order Module Accounting Date or is after it.

# Item Status Code Maintenance

Note: Status Code must be setup before starting Rental Processing.

The **Item Status Code Maintenance** has been added to the **Inventory Management Setup** menu to allow setting up **Status Codes** for serialized items.

The **Status Codes** established here are used in the **Serial Item Status Maintenance** for tracking **serialized** items and determining individual **Serial Number** availability.

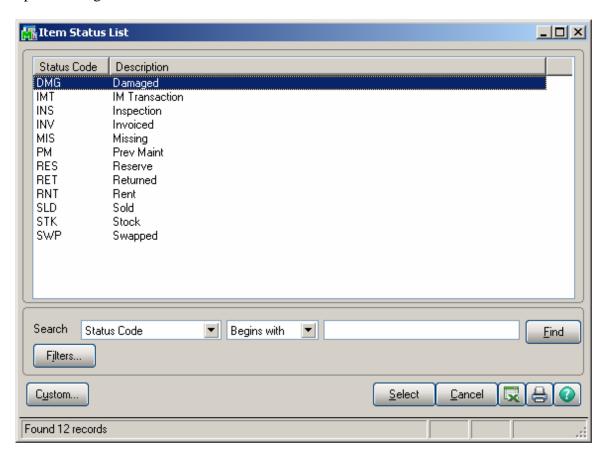


Run the **Item Status Code Maintenance** and the following status codes will be automatically set up in your system to indicate a special situation:

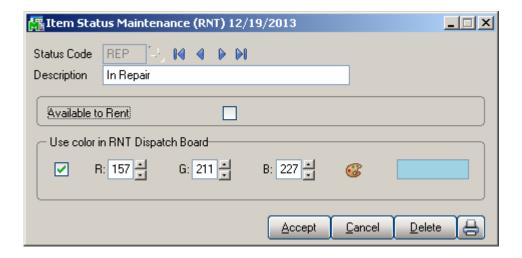
- DMG- Damaged
- IMT- IM Transaction
- INV- Invoiced
- MIS- Missing
- RES- Reserve
- RET- Returned
- RNT- Rent
- SLD- Sold
- STK- Stock
- SWP- Swapped

Each **Status Code** has its specific **Available to Rent** option selected by default.

This option is predefined and automatically disabled/enabled for **Status Codes** setup in the system upon running the **Item Status Code Maintenance**.



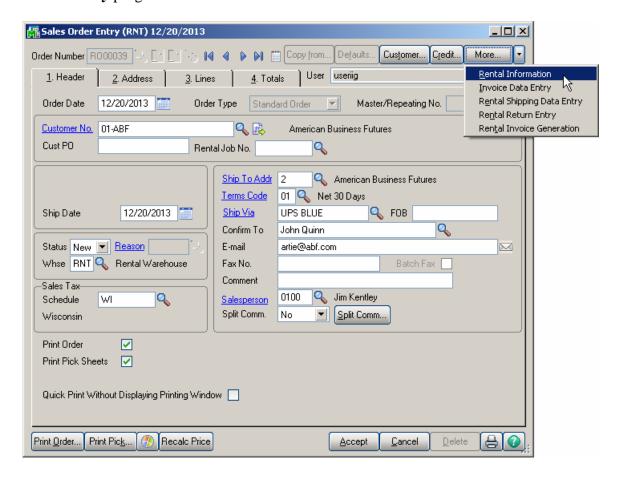
You can enter new status codes if necessary. For the **Status Codes** entered anew, the **Available to Rent** checkbox is enabled and the user can define its setting as desired.



# **Processing Rental Orders**

# Sales Order Entry

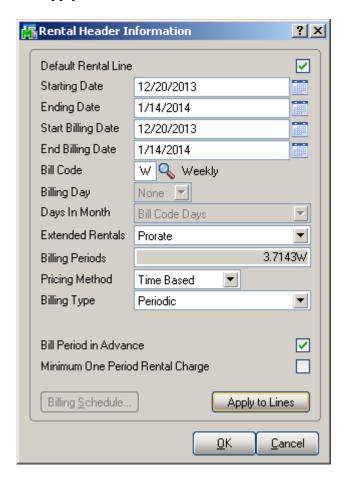
The **Inventory Items** are rented out through the **Sales Order Entry** program.



The Rental Information, Invoice Data Entry, Rental Shipping Data Entry, Rental Return Entry and Rental Invoice Generation menu buttons are available on the Sales Order Entry to allow easily shipping, returning, generating invoice for rentals just from the order entry screen.

Select **Rental Information** from **More...** menu button to open the **Rental Header Information** screen.

Here you can enter current order specific rental information and apply it to all lines added in the Order.



The Starting/Ending Dates and Start/End Billing Dates fields are defaulted to current accounting date for Sales Order module.

The **Apply to Lines** button allows applying the changes made on the **Rental Header Information** screen to the lines. For the rental lines being shipped only the change of rental Ending Date is applied.

The exact **Billing Day** can be specified and there will be no need to specify the **Billing Type** (the corresponding field will be disabled). The **Billing Day** field is enabled only if the **Allow Monthly Billing** option is enabled for the selected **Billing Code** in the **Bill Code Maintenance**.

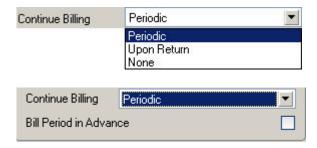
The **Default Rental Line**, **Bill Code**, **Extended Rentals**, **Pricing Methods**, and **Billing Type** fields are defaulted

from the **Customer** record (**Customer Rental Information** screen) if the **Rental Item** checkbox is selected. These fields' values are defaulted as follows:

- If the Rental Item is not checked on the Customer Rental Information, the defaults of the Company Rental Information are used.
- If the Rental Item is not checked either on Customer or Company Rental Information, the default value set on the S/O Options for the Billing Code is loaded to the corresponding field and the rest of fields should be entered manually.

The Billing Periods read-only field displays the billing period calculated automatically based on the **Start/End Billing Dates** taking into account the **Bill Code**, **Billing Day** (**if specified**) and **Extended Rental** settings

The **Continue billing** field is intended for rentals with **Up Front Billing Type** and is visible when Up Front is selected. It determines how to continue billing rentals when rental period is over, that is the rentals should be returned but the customer has not returned them yet (late return). You can choose to continue billing periodically, upon return or none.



If **Continue Billing** is set to **Periodic** the **Bill Period in Advance** field becomes visible. If the customer should be billed for a period in advance, check the **Bill Period in Advance** box. The lines will be billed in advance for the next period.

In case the **Periodic** type is selected rentals will be billed periodically during the whole rental period. For Periodic type Rental Invoice generation is available even if the rental period is over but there are rentals not returned yet.

For **Periodic Noncontinuable** billing type Rental Invoice generation is available only during the rental period and Invoice generation is not available after the period is over.

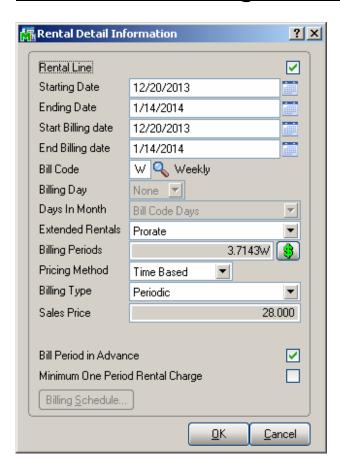
And if the **Upon Return billing** type is selected rentals will be billed after returning rental items. If the **Continue Billing** option is set to **None** no Invoice is generated for the rental over days.

The **Minimum One Period Rental Charge** checkbox is shown on the Rental Header and Detail Information screens if the Billing type is Periodic. Refer to <u>Minimum One Period Rental</u> charge title for details.

The **Billing Schedule** button becomes enabled if the Billing Type is set to **Scheduled**, for other billing types it is disabled. The **Billing Type** can be set to **Scheduled** only for a Bill Code marked as **Allowed for Scheduled Billing** in the Bill Code Maintenance.

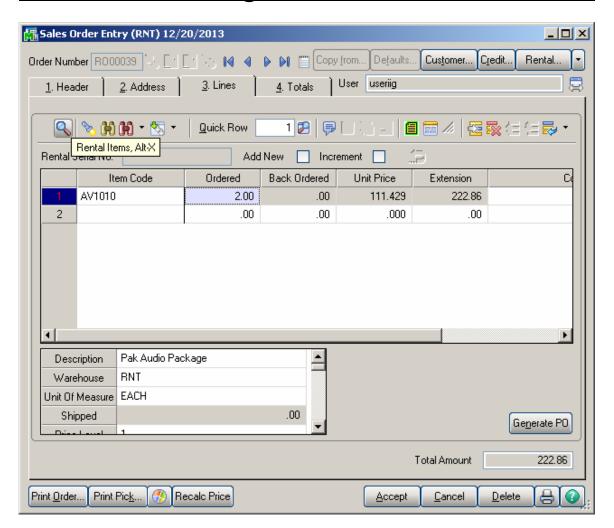
Refer to **Scheduled Billing Rentals** section for details.

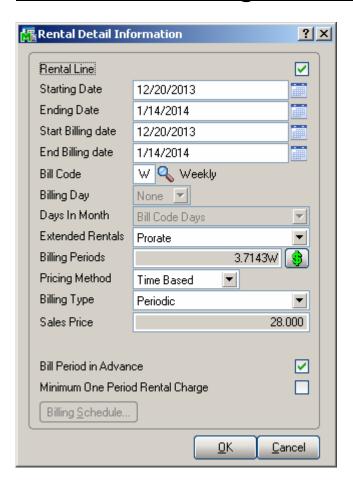
After entering the necessary information on the Rental Header Information screen press the **Apply To Lines** button to have the **Rental Header** information automatically loaded into the **Rental Detail Information** screen.



The **Rental Item** lookup button added on the **Lines** tab allows listing all rental items existing in the system.

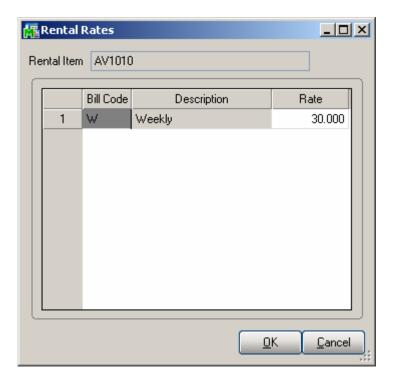
The button placed next to the **Rental Item** button is intended for tracking the rental order activity. This button is enabled after rental order is processed. (Refer to <u>Rental Order Activity Tracking</u> for details)





The **Sales Price** of the selected line item is displayed in the corresponding read-only field.

Click the button near the **Billing Periods** field to open the **Rental Rates** screen.



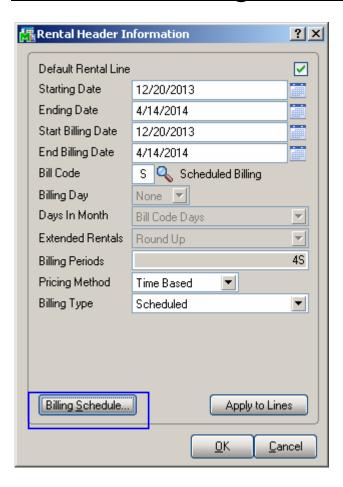
The **Bill Code** with its **Description** is displayed. Only the Rate can be changed here; the Bill Code and description fields are read-only.

The **Unit Price and Extension** of the line will be updated accordingly when changing the **Rental Rate**.

When **Rental Order** is created by using the Copy From feature all rental lines will be copied from the source document to the newly created one with corresponding Rental related information (Start Date, End Date, Bill Code, Billing Day, Pricing method, etc.) carried over to it.

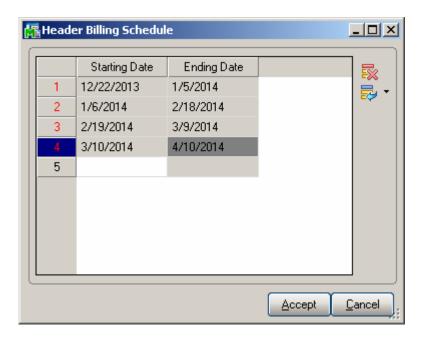
# Scheduled Billing Rentals

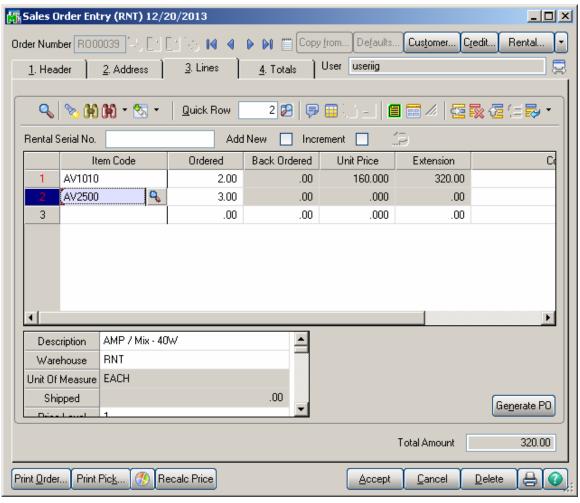
The **Scheduled** option has been added to the Billing Type drop-down menu to allow setup of Billing Schedule for Rental Order.

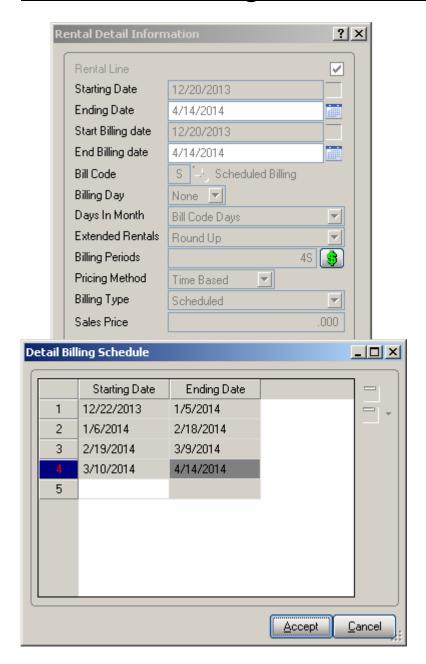


The **Billing Schedule** button is enabled only if the Billing Type is set to Scheduled, for other billing types it is disabled.

Once the Billing schedule is defined on the Rental header it may be applied to the order lines by clicking the Apply to lines button.







For Scheduled Billing the invoice will be generated for one month based on the Rate specified for current Scheduled Billing Code regardless of the period being 28 or 30 or 33 days.

If the Schedule Billing type is used for paying on per day basis the Billing Periods are calculated based on the number of days in the scheduled period. So if rental schedule is 12/10/2013 to 01/02/2014 the system calculates the Billing periods as "24D".

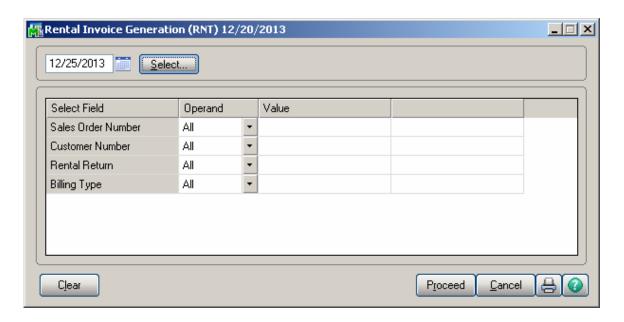
Below is an example of Invoice Generation for the Billing Schedule defined above.

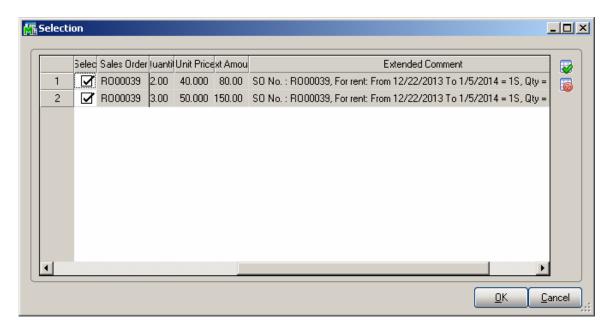
### Rental Invoice Generation based on Billing Schedule

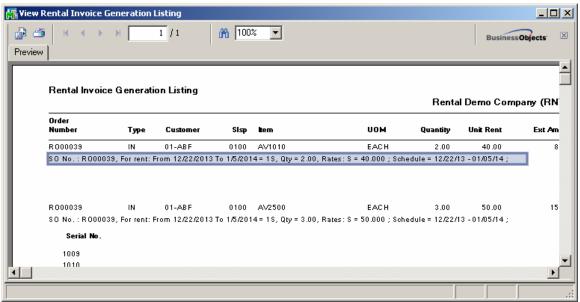
If the billing schedule in the order header/line is set as follows:

12/22/2013-1/5/2014 1/6/2014-2/18/2014 2/19/2014-3/9/2014 3/10/2014-4/14/2014

and the Rental Invoice Generation program is run on 12/25/2013; the invoice will be generated for the whole period starting from 12/25/2013 till 1/5/2014. Running the Invoice Generation for any day passed 12/22/2013 will invoice the 12/22/2013 line.







Next invoice will be generated when the 1/6/2014 date is passed.

Note: When Rentals billed according to the Billing Schedule are returned before the Ending Billing Date, the Credit Memo Invoice is generated only for the Billed period, which Starting Date is after the actual End Date.

# Processing Rental Orders with Cut-Off Day logic

#### **Bill Code Maintenance**

The **Cut- Off Day** field has been added to the **Bill Code Maintenance** to allow setting up a cut off day for billing period.

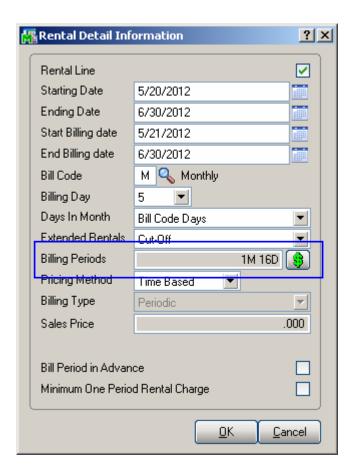


It allows for setting the number of days as the cut-off for billing the monthly charge. The rental rate for periods less than the cut-off day (for example 20 days) is calculated based on the Daily Rate calculated as the **Monthly Rate/Cut Off Day.** 

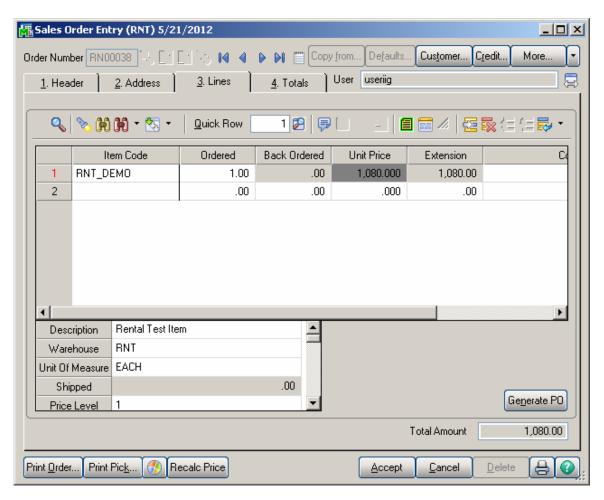
For example if the Cut off Day is set to 20 and the Monthly Rate is 600 then the daily rate (for Cut-off Extended Rental) for a period less than 20 days is calculated as: 600/20=30.

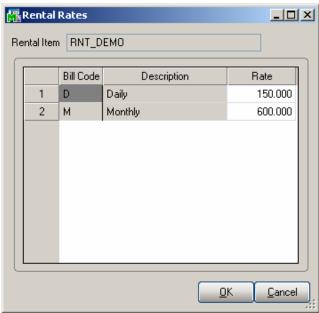
#### Extended Rental: Cut-Off

**Cut-Off Day-** if the Extended Rental is set to cut-off day and the Cut-off day is setup for current Bill Code the rental billing periods less than the cut-off days will be calculated on the daily basis and the billing periods greater than the cut-off days will be considered a whole period. For example, if the Billing Code is "M" (number of days 31) with **Cut Off** day set to 20 and the Billing Day is set to 5, then for 40 days' rent from 05/21/2012-06/30/2012 the Billing Periods will be represented as 1M 16D. The Billing periods are calculated as follows: From 5/21/2012-06/05/2012 (the Billing Day)- 16 days and from 06/05/2012-6/30/2012 (actual 25 days, as cut-off is 20) 25 days are considered a month and the Billing periods are: 1M 16D.

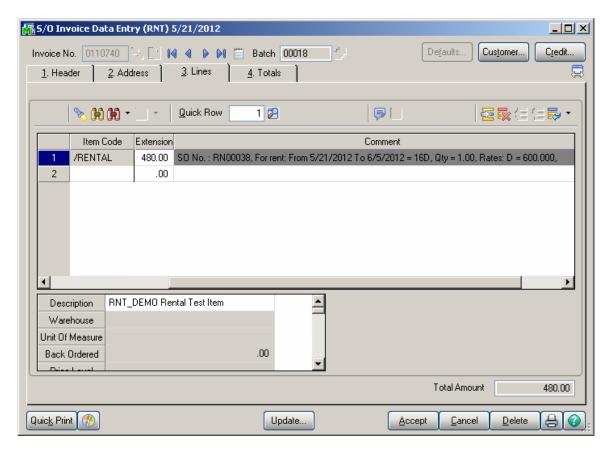


The Unit Price is calculated respectively as: **Monthly Rate+ 16\*Monthly rate/Cut-Off Days**. In our example it is 600+16\*30=1080

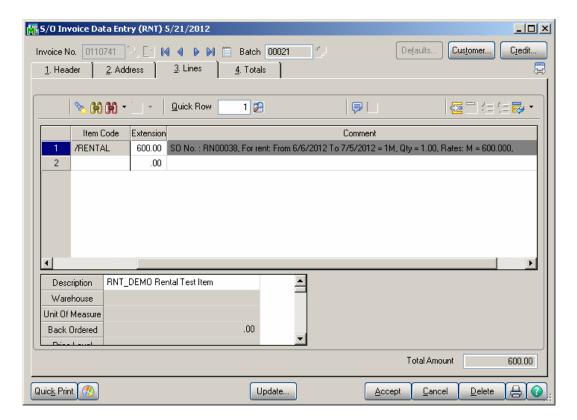




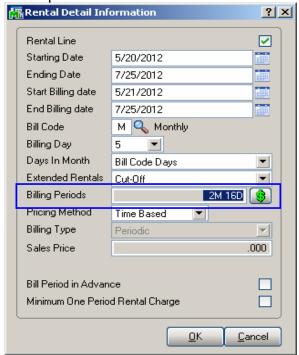
So the first Invoice will be generated for the 16D period respectively with Amount of 480 (16\*600/20=480)



The next Invoice should be generated on 07/05/2012 (after the one generated for the first period is updated) for the 1M period. Here is the Invoice generated for the rest of rental period (1M) respectively with Amount of 600.



If the number of days in the remaining period is greater than or equal to the Cut-off day, the customer is billed for a whole period as follows:



In the above example the rental period from 5/21/2012-7/25/2012 with Billing Day set to 5 is represented by 2m 16D billing Periods.

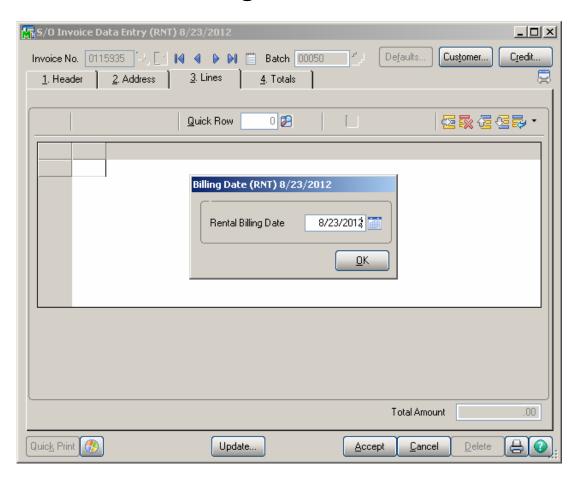
From 05/21/2012-06/05/2012- 16 days From 06/06/2012-07/05/2012- one month From 07/06/2012-07/25/2012- 20 days is considered 1 month as the cut-off is set to 20.

# Invoice Data Entry

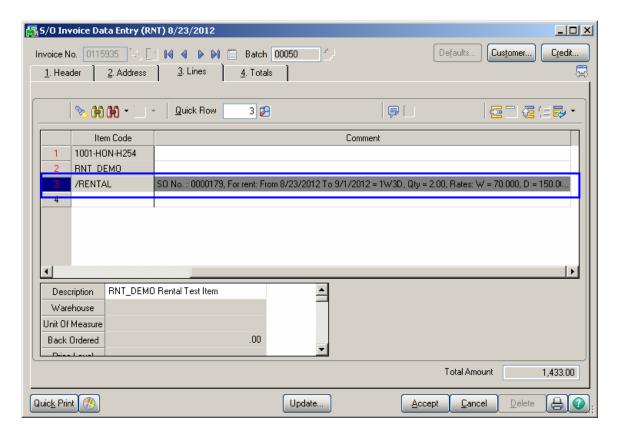
When Rental Order with Rental and Sales Lines is shipped through Invoice Data Entry, the following message is displayed asking whether or not to ship the complete sales order.



Upon selecting Yes the following dialog is displayed to allow entering Rental Billing Date.



After each ship line, a Misc Charge billing line will be generated indicating the charge period.



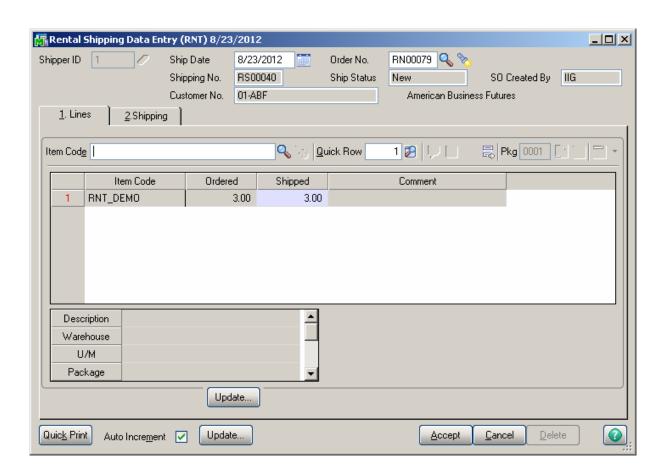
When the Invoice containing both sales and rental lines is updated the Sales Order is not deleted from the Sales Order data file, it is retained until the rental lines are completely billed and returned.

# Rental Shipping Data Entry

The **Rental Shipping Data Entry** has been added to the Shipping menu of the **Sales Order** module.

If the Sales Order contains lines both with sales items and rental items it can be also shipped through the Shipping Data Entry or Invoice Data Entry. But once shipped by one of the shipping programs it cannot be shipped by any other program.

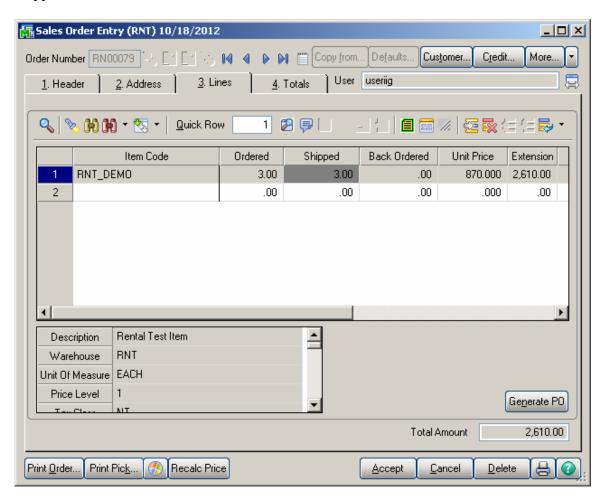
If the Sales Order contains only rental item it should be definitely shipped through the **Rental Shipping Data Entry.** 



Now if you try to open this Order the following message will popup:

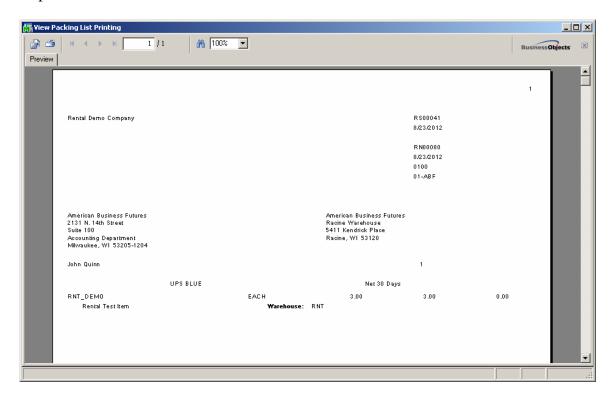


After the shipping is updated through the **Rental Shipping/Reports Update** program you can see the shipped order line on the **Lines** tab.



The **Rental Rates** as well as the **Ending Date** and **End Billing Date** can be changed for the rental lines already shipped. The new rate will be applied when generating Invoices for next rental periods.

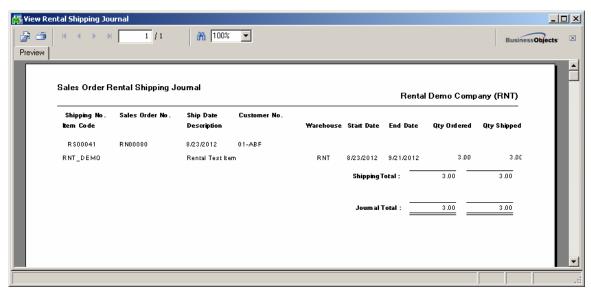
The **Quick Print** button provides the Packing List and **Additional Packing List** printings for current rental shipment.



## Rental Shipping Reports/Update

The **Rental Shipping Reports/Update** program added under the **Sales Order Shipping** menu allows printing the Rental shipping journal and updating it.





After the Rental Shipping Journal is Printed/Previewed the user is prompted to update it.

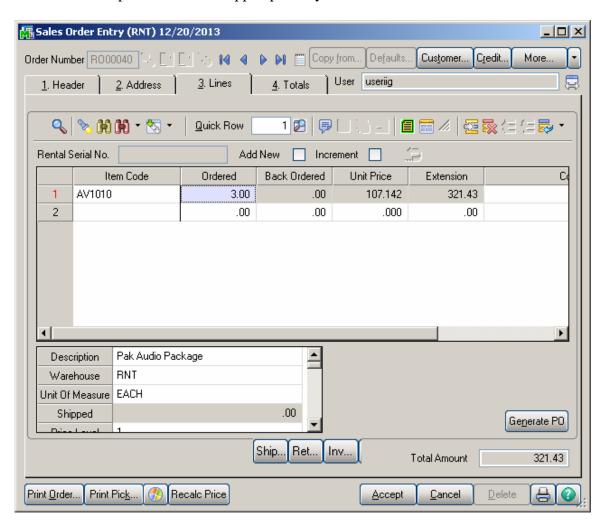


After the shipping Journal is updated corresponding Order line becomes available in the **Rental Status View** of the **Business Insights Explorer**.

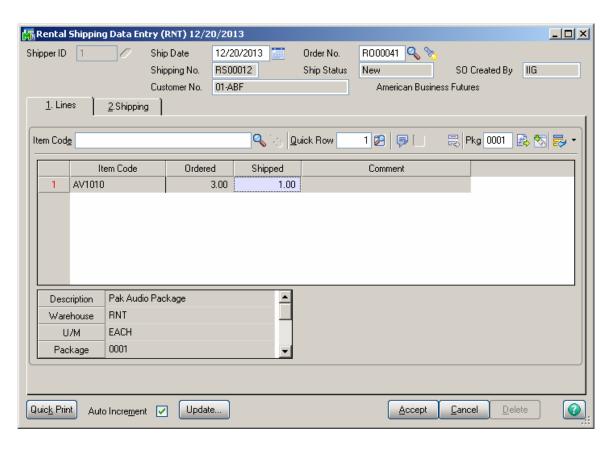
#### **Partial Shipping**

Rentals can be shipped completely as well as partially. In case of partial shipping the user is allowed to ship the order until the ordered quantity is completely shipped. After shipping some of the ordered quantity the remaining quantities are not backordered.

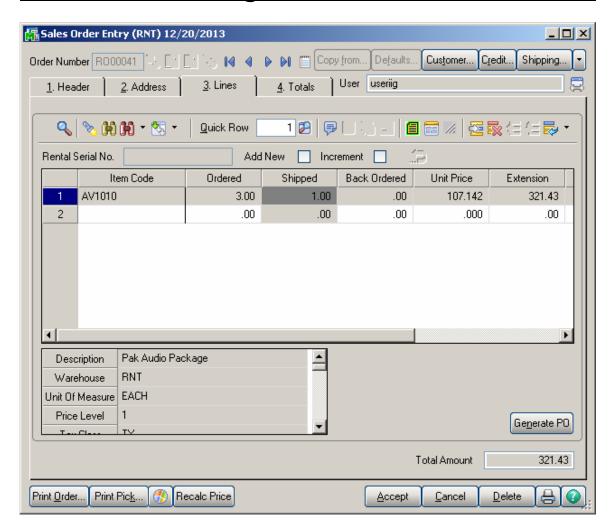
Here is an example of an order shipped partially:



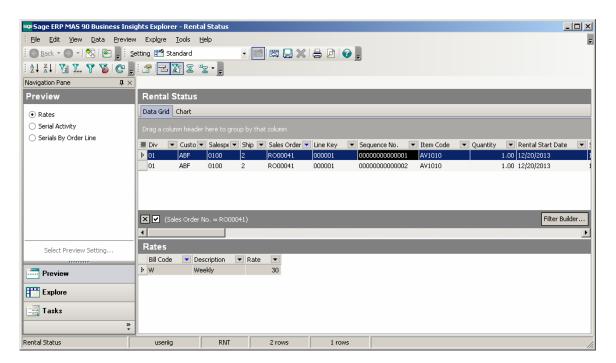
Only 1 from total of 3 quantities ordered has been shipped through Shipping# RS00012



Here is the Sales Order after the shipment has been updated through the **Rental Shipping Reports/Update** program:



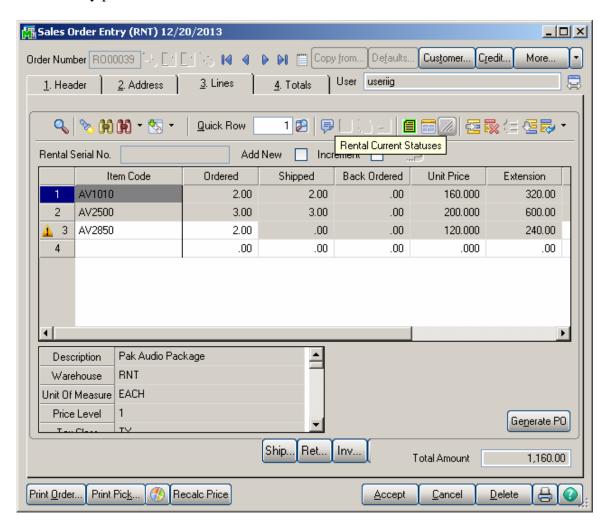
For this shipment only one line with Order#RO00041 and corresponding Sequence number will be available in the **Rental Status View**. After shipping the remaining quantities new line with next sequence number and **Quantity** equal to the quantity shipped will be added for the same order number in the **Rental Status View**. Thus during partial shipping the order lines are split in the **Rental Status View** by Sequence numbers.



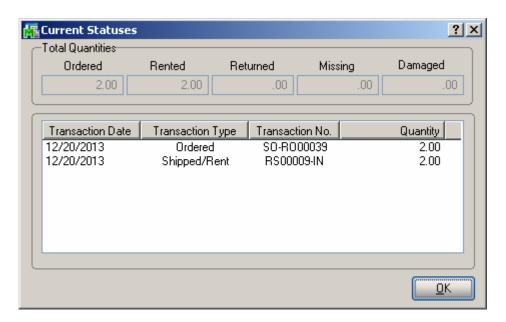
The shipped lines are disabled in the Sales Order Entry but the user is allowed to change the **Ending Date**, **End Billing Date** and **Rental Rate**.

## Rental Order Activity Tracking

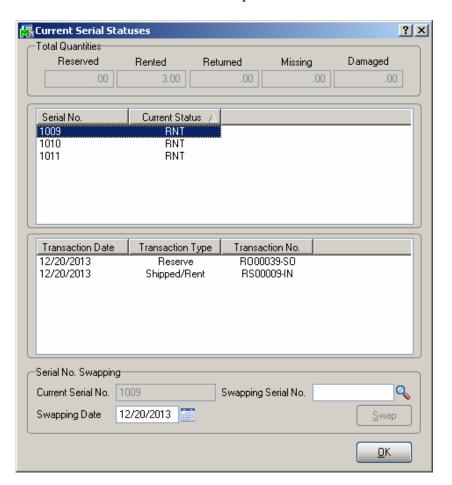
The **Rental Current Statuses** button added on the Lines tab of the **Sales Order Entry** allows for tracking the rental order lines activity. This button is disabled for the newly created orders; it becomes enabled only for the order lines already processed.



The **Current Statuses** window provides information about the Transactions processed for current line as well as the total quantities: Ordered, Rented, Returned, and Missing/Damaged.



For **Serial Item** the **Current Serial Statuses** window is opened with detail information about each Serial number's current status and the Transactions processed.



Upon selecting a Serial Number line, the Transaction information is loaded in the grid below.

The **Total Quantities** section provides information about the quantities originally ordered, shipped (rented), returned as well as missing and damaged.

The information about the generated transactions is displayed in the grid.

**Serial No. Swapping** group of fields allows for swapping current serial number without doing return for current serial and creating new sales order for its replacement.

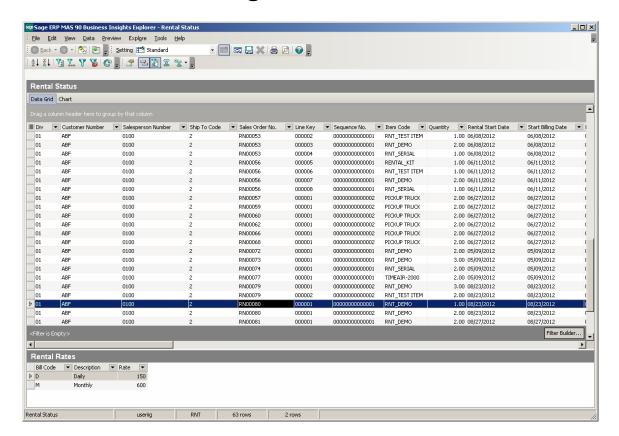
The **Current Serial No.** field displays the Serial number rented out by current order. In the **Swapping Serial No.** field select the serial number you want the current one to replace with, specify **Swapping Date** to replace on and press the **Swap** button.

The Current Serial No will be replaced with new one.

#### Rental Status View

The **Rental Status view** has been added to the **Explorer** menu of the **Sales Order** module.

The **Rental Status View** provides access to rental data; no need to visit a maintenance screen, call up an inquiry, and run a report to gather the various and detailed information you need regarding your rentals.

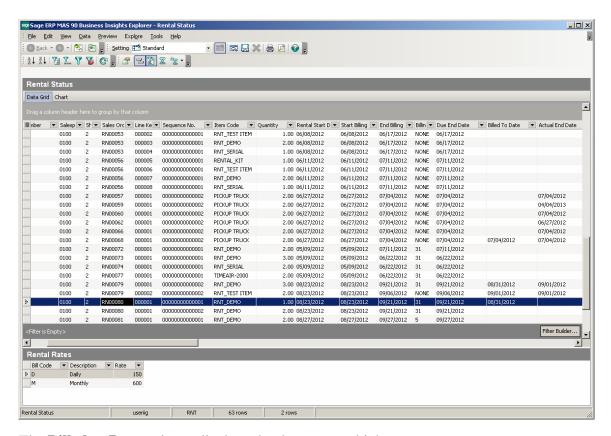


Note: the **Rental Status** becomes available for a Sales Order line only after updating the **Rental Shipping Journal.** 

The **Rental Status** grid provides with detail information on rentals. Here the user can see to what customer and by what sales order number the item has been rented, what quantities are rented and from what warehouse they are shipped, when will be the rentals returned and whether or not they are returned by that date; up to what date rentals are billed. You can also get information about Missing/Damaged rentals.

Actually here is kept the rental history and it is the main information source for the user. On the **Rental Status** grid each line of Sales (Rental) Order is displayed separately. Though the Sales (Rental) Order is not deleted from the system after it is shipped, the Rental Status grid should be used for getting detailed information regarding rentals.

The **Rental Start Date** and **Due End Date** columns are populated with corresponding Start Date and End Date specified on the rental line when the order is shipped.



The **Billed to Date** column displays the date up to which the rental line has been billed, that is the date when Invoice has been generated through the **Rental Invoice Generation** program. The **Bill To Date** field gets values based on the Billing Type of rental line.

- For Up front billing type rentals the Billed to Date field is populated with the End Billing Date specified for current rental line.
- For **Upon Return** billing type rentals the **Billed to Date** field is populated with the **Actual End Date**, which is formed during **Rental Return Reports/Update**.
- For **Periodic** billing type rentals the **Billed to Date** field is populated with the date of last billing (the **To Date** shown in the Invoice Misc Charge line comment).

The **Actual End Date** is the date when rental is returned. It is the Return Date of the Rental Return Entry that is set during Rental Return Update. The **Actual End Date** blank means the rental has not been returned (the **Actual End Date** is always blank for missing rentals).

The **Miss/Dam** column indicates whether the rental is missing or damaged.

The **Miss/Dam. Billed** flag set on means an invoice has been generated for missing/damaged rental. If the flag is on but the line is not indicated as missing/damaged, credit memo should be generated.

The **Issue Gen flag** set on indicates IM Issue transaction has been generated for missing/damaged rental.

The **Rent Status** can be either **Open** or **Closed.** It indicates whether or not there are any financial or other issues related to current rental that needs to be adjusted. Open status means there are still some open issues related with rental to be settled.

The **Rent Status** column is set to **Closed** in the following cases:

- ➤ Rental Line is returned and there isn't any open issue with billing. In case the Item Status is Missing/Damaged (in the Rental Status View) the Missing/Damaged Billed flag should be Yes.
- ➤ If the Item Status is Returned and the **Billed To Date** is equal to **Actual End Date**.

**Rental Order** is closed and removed to History if all Rental Lines are closed and there are not any unshipped Sales Lines in the Order

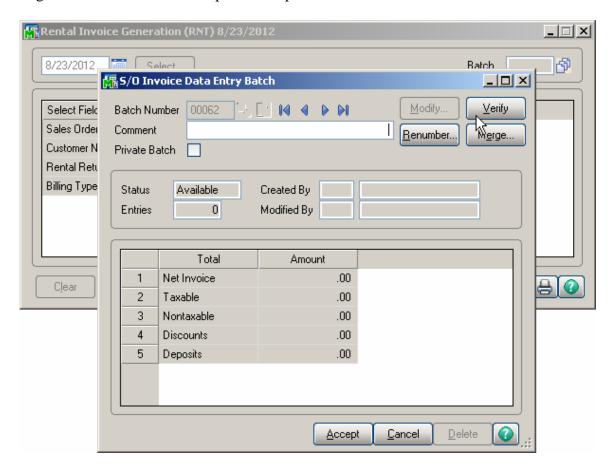
### Rental Invoice Generation

The **Rental Invoice Generation** program is intended for billing rentals. It may be run from the Sales **Order Main** menu or just from the Sales Order Entry screen (under the **More...** menu button)



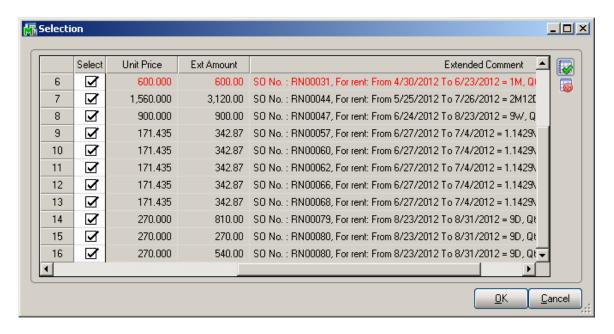
The S/O Invoice batch screen is opened if Batch Processing is enabled in the Invoice Data Entry.

Select the Batch Number or click the Next Batch Number to generate the next batch and press Accept.



Select the **Date** (is defaulted to SO Module current **Accounting Date**) in the corresponding field and click **Proceed**. You can set also selection criteria by **SO Number**, **Customer Number**, **Rental Return** and **Billing Type**.

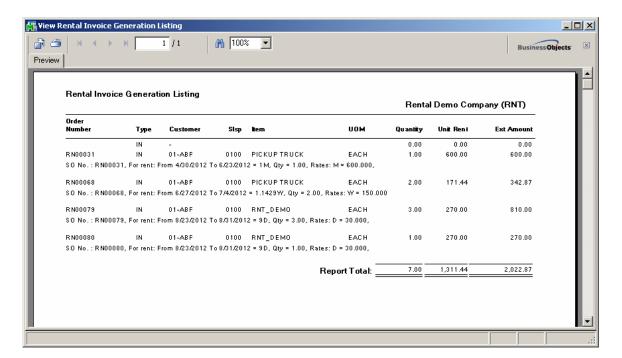
**Select** button is enabled. Click **Select** button to open the **Selection** grid. All lines are selected by default. In the **Selection** grid, check corresponding order(s) for which you want to generate an invoice.



The **Select All** and **Deselect All** buttons allow selecting/deselecting all lines at once.

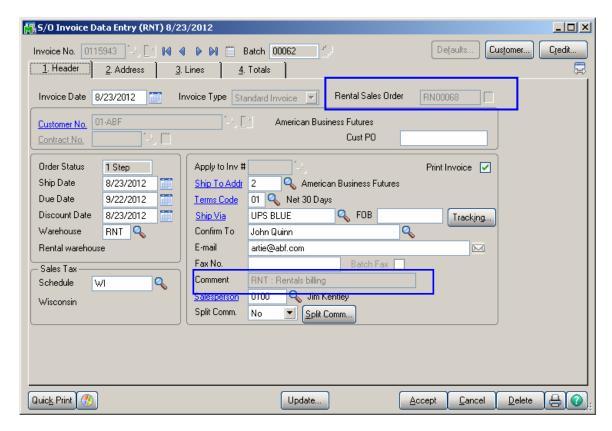
In the Selection grid the line is red colored in case the Rental Due End date is over but the Rental line has not been returned yet.

Click the **Print** button in the **Rental Invoice Generation** screen to generate invoices.



Open the **S/O Invoice Data Entry** and select the new generated invoice.

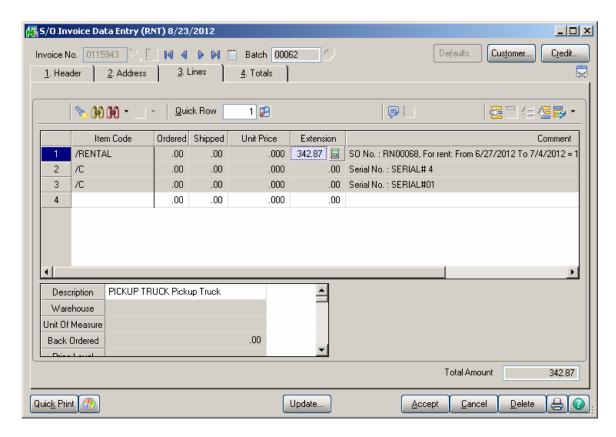
The invoiced **Rental Sales Order** number is displayed on the Invoice Data Entry header.



All fields for that invoice will be disabled in the **S/O Invoice Data Entry**.

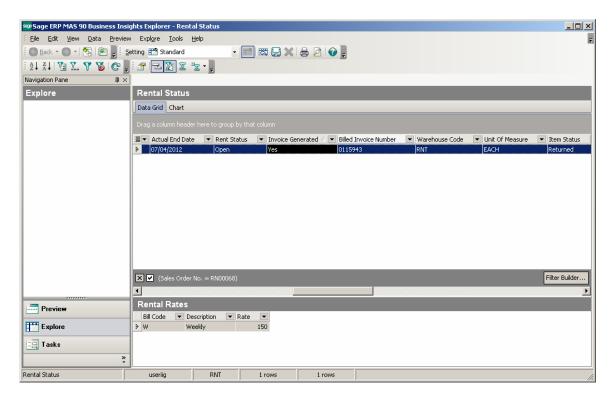
On the **Header** tab the **Comment** field is loaded with the following text: "**RNT: Rentals billing**" indicating the invoice is generated through the **Rental Invoice Generation** for rentals billing.

On the Lines tab, the Miscellaneous Charge Item specified for the Item in the Item Maintenance is loaded as a comment line. The Comment column contains full information about the billing: Start Billing Date and End Billing Date, Billing Period, Billing Rates, rental item's Sales Price and the Sales Order Number.



After the Rental Invoice Generation the Invoice Generated flag is changed to "Yes" and the **Billed Invoice Number** field is populated with corresponding Invoice Number in the Rental Status View.

If the rental item entered in the Sales Order has **Extended Description** it will be loaded in the Miscellaneous Charge Item's Extended Description field of the generated Invoice.



In case the generated Invoice is deleted the Invoice Generated flag is set to "No" and the Billed Invoice number field is emptied.

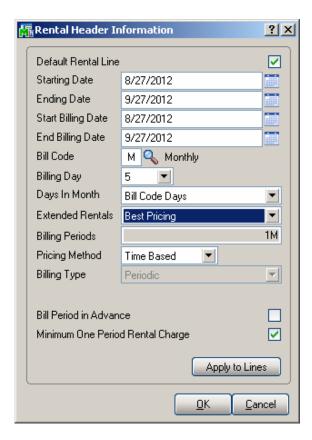
After the Billing Invoice is updated, the Invoice Generated flag is set to "No"; the **Billed to Date** field is updated with respective date and the **Billed Invoice number** is cleared.

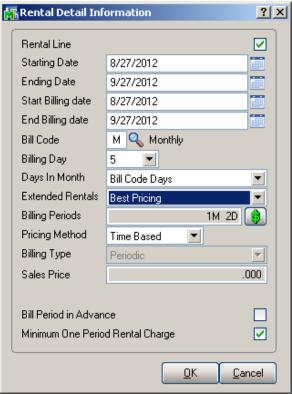
The rental Order Number is displayed on the **A/R Invoice History Inquiry** screen after the Invoice, generated through Rental Invoice Generation program, has been updated.



### **Minimum One Period Rental Charge**

The **Minimum One Period Rental Charge** option is available for Periodic Billing type rentals. The **Minimum One Period Rental Charge** checkbox is shown on the Rental Header and Detail Information screens if the Billing type is Periodic.





Select this checkbox to charge the minimum amount regardless of the actual rental days that customer keeps the items.

If there is Billing Day specified the minimum period for rental charge is calculated starting from **Start Billing Date** to the specified **Billing Day** based on the **Days in Month** drop box setting.

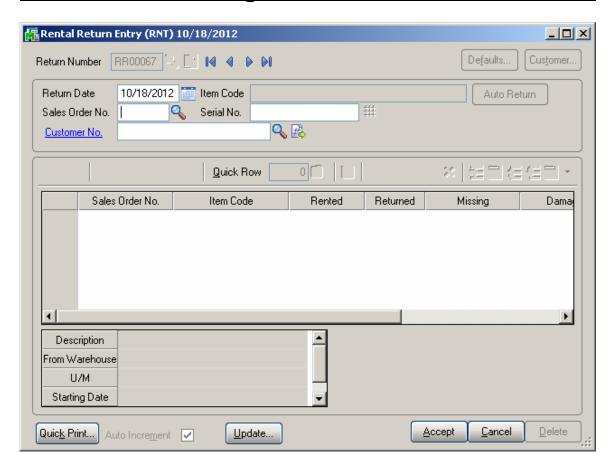
The **Rental Invoice Generation** program will not allow generating credit memo invoice for early return if the return happens before the first period.

### Rental Return Entry

When the customer returns Rental Order items, the return should be created in the **Rental Return Entry** program added under the **Sales Order Main** menu. Rental lines cannot be returned unless they have been shipped.

Click the **Next Number** button from toolbar to create new return entry. The next return number is taken from **S/O Options.** 

The **Return Date** is the system current date set by default, which can be changed manually. After the rental return is updated this date will be considered as **Actual End Date** for rental.



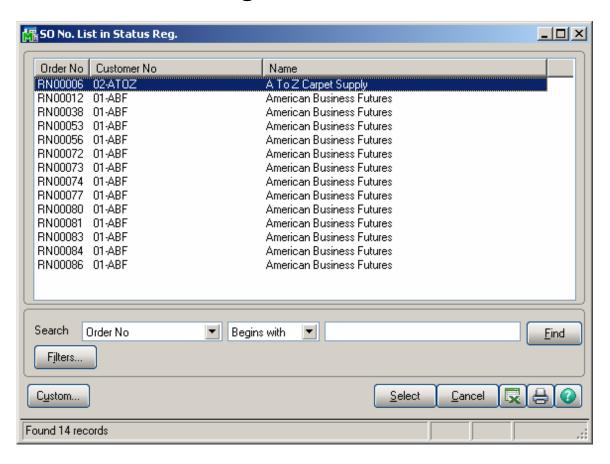
Click the **Defaults...** button to view/edit **Default Values for Rental Return Entry.** 



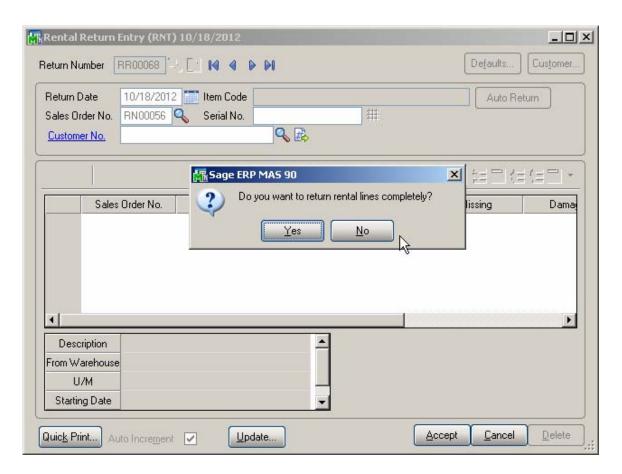
The following options have been provided to make the return process easier:

- 1. By selecting/entering the Sales Order number
- 2. By selecting/entering the Customer Number
- 3. By scanning the Item number or Serial Number

Only the rental lines already processed and available in the **Rental Status View** can be returned through Rental Return Entry.

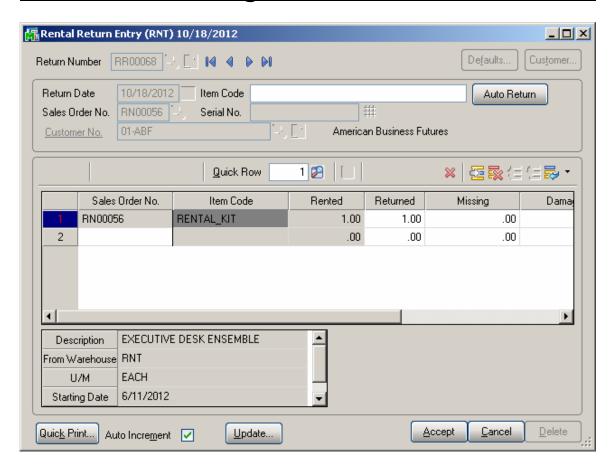


When the user enter/select the Sales Order number the following message appears to confirm whether or not the lines will be returned completely.



If **Yes** is selected all lines of the Rental Order are loaded in the grid regardless the Rental Due Date. The **Returned** quantity will be automatically set equal to the quantity **Rented** only for the lines, which rental period is over. For the rental lines, which Rental Due Date is less than the actual Return date the Qty Returned is set to 0. The (Remove Zero Quantity Lines) button allows removing the lines with 0 quantities.

The user can remove those lines by clicking the button or set the returned quantity manually and process those lines as early return.



After the lines of the selected order are loaded in the grid the user can select also other orders (if there are such) from the lookup list of the **Sales Order No** field for the selected customer to be returned.

The following message appears upon selecting an Order for which an unupdated Invoice is found:



If the user prefers returning rental lines by selecting the Customer, the following message appears:

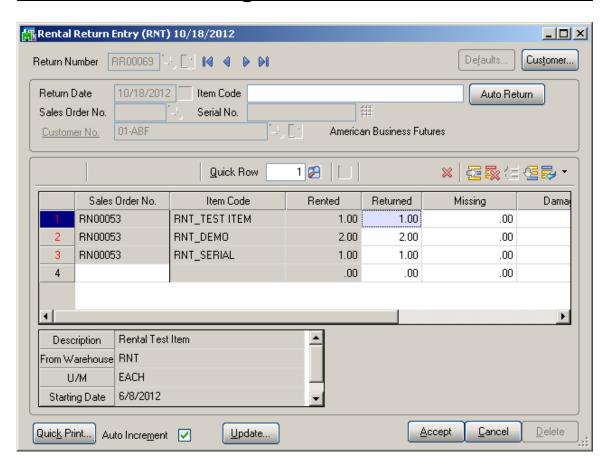


Upon selecting **Yes** another message is popup to confirm the rental lines will be returned completely. If the user chooses to return rental lines completely, all lines from the Orders created for the selected Customer will be loaded in the grid.

Only the lines, which rental period is over and they should be returned, will be automatically loaded. The following cases are possible:

- The Due End Date is equal to the Return Date. This is an in time return.
- The Due End Date is less than the actual Return Date. In this case the return is treated as Late Return and the Customer should be billed through the Rental Invoice Generation program for additional period.

If the **Due End Date** is greater than the actual **Return Date** the lines of Sales order are not automatically loaded. The user has to select manually the lines being returned. In this case the return is treated as **Early Return** and Credit Memo should be generated through the **Rental Invoice Generation** program for the period(s) already billed. After you have selected the lines to be returned and Accepted Return; the Return number is updated in the **Rental Status View**.



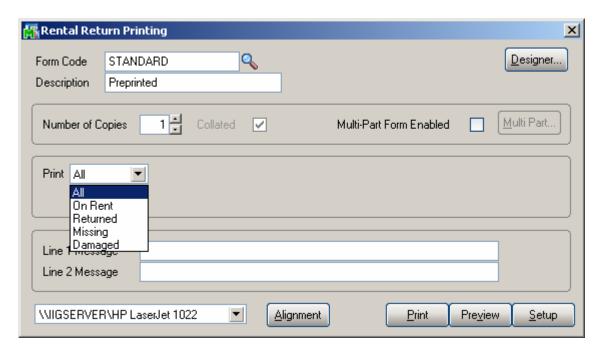
The **Rented** field displays the quantity being on rent. The **Returned** field shows the quantity customer is returning currently.

When the Items are listed in the grid, the **Item Code** field is enabled for scanning item codes. When entering a Serial Item Code the **Serial No.** field becomes enabled to allow scanning the Serial Number being returned. When Serial No is scanned and the **Auto Increment** option is on, the **Returned** quantity of current Item is incremented by one. If the **Auto Increment** option is not selected the **Returned** quantity of current Item will not be incremented, but the focus will go to the **Returned** column of the current Item (this is similar to the Auto Increment logic of Shipping Data Entry).

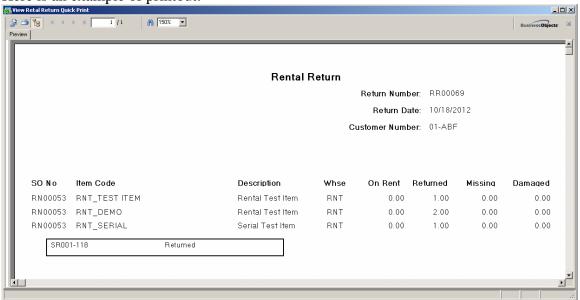
Click the **Auto Return** button to automatically set all lines quantity returned to quantity rented and set the serial number of the items RET from RNT in the distribution screen.

**Quick Print** – allows for previewing/printing current Return. The following options are available:

- All
- On Rent
- Returned
- Missing
- Damaged

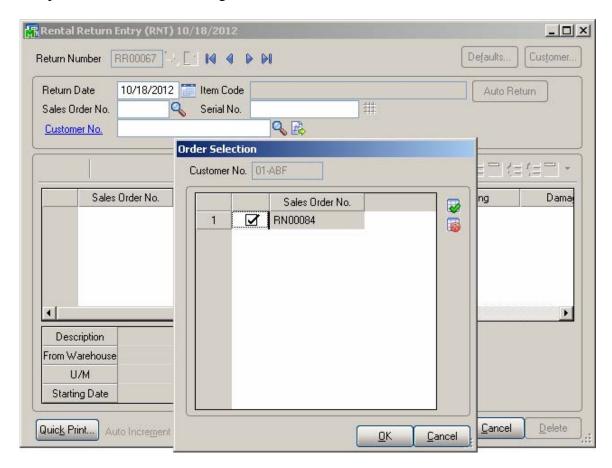


Here is an example of printout:



**Update** – this button allows for launching the Rental Return Journal.

The Serial No field is intended for Serial Items return just by scanning the Serial Number. Upon scanning the serial number the Order Selection screen is opened with the list of all open rental orders containing current serial number.



All orders are selected by default. The user may select the **Sales Order Numbers** that should be returned and press the **OK** button. The selected orders will be loaded in the Lines grid.

The Sales Order Number which contains current Serial Number is displayed in blue color.

The **Starting** and **Ending Dates** are populated from Sales Order header.

The **Missing** quantity is entered if you are sure the customer will not return that item any more. The **Damaged** quantity is entered in case the customer returns the item but it is damaged.

The **Return** is treated as partial if the Customer decides to keep on rent some quantities and return them later.

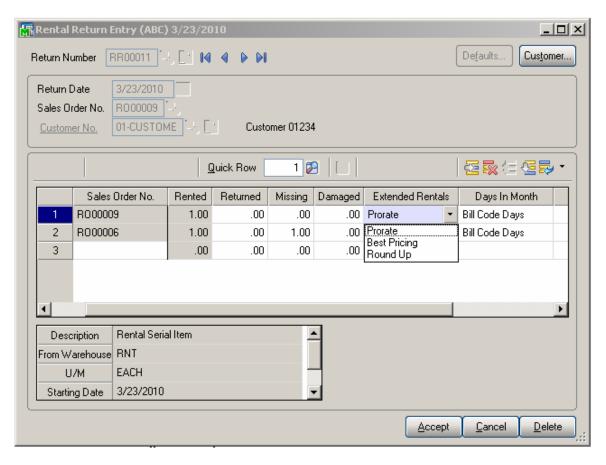
The user is given an opportunity to bill the Customer for Missing/Damaged quantities as well as to enter issue of items out of inventory. For details go to <u>Track Missing/Damaged Rentals</u>.

Note that in case of partial return as well as return with Missing/Damaged quantities corresponding rental lines are split during Return Update.

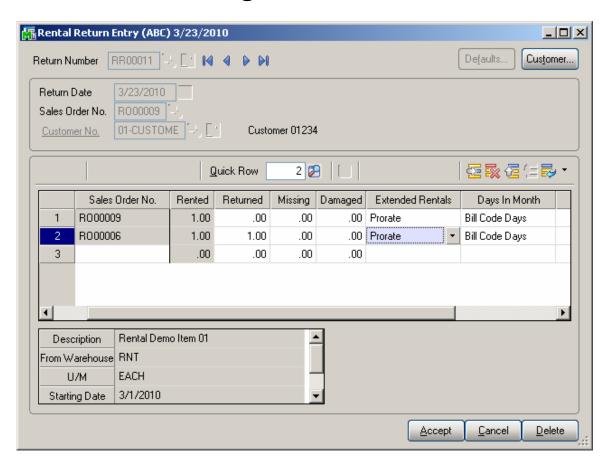
The Sales Order is split into corresponding lines with Item Statuses set correspondingly: returned, rent, and damaged.

#### **Extended Rentals Setting During Return**

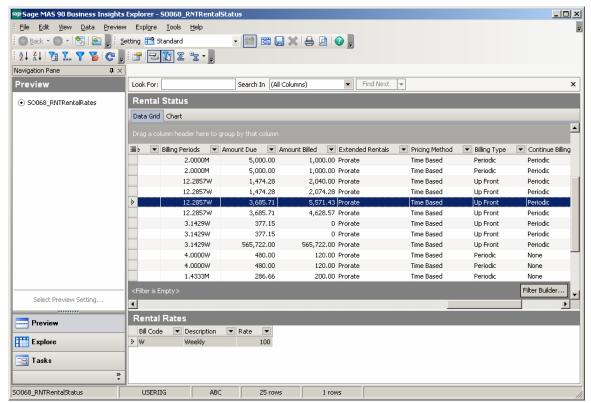
The **Extended Rental** field added to the Rental Return grid allows handling extended rentals effectively. The Extended Rental value is defaulted from the Sales Order and can be changed while returning rentals. Changing the Extended Rental value will not affect its original settings in the Sales Order Entry.



The **Extended Rentals** new value is applied only to the quantities actually returned.

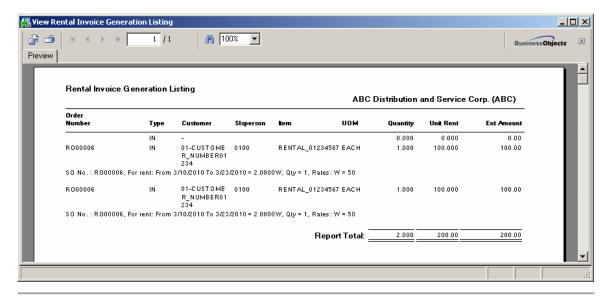


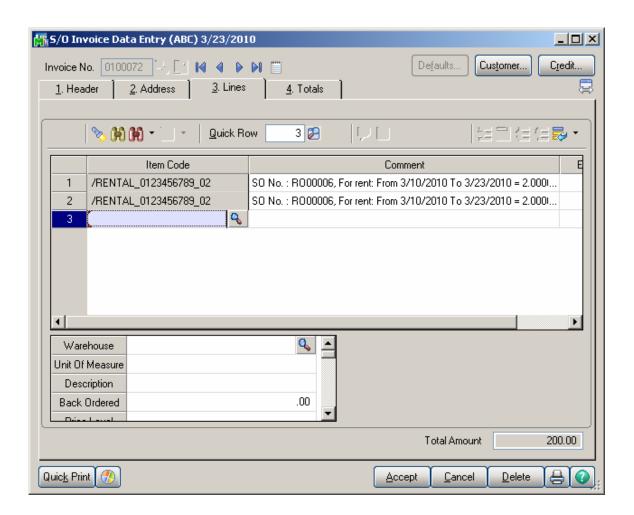
The Extended Rental new value is updated in the **Rental Status** view only for the quantity(s) actually returned.



Ability to change the Extended Rentals value in the Return Data Entry makes the billing process more effective especially for early returns.

Here is an example of Invoice generated for the Sales (Rental) Order some quantity of which has been returned earlier than the Due End Date and the Extended Rental value has been changed to **Best Pricing** during return.





#### Rental Invoice Generation during Rental Return Reports/Updates

After returning the Rental Line, which Billing Type was Upon Return, after running Rental Return Reports/Updates the following message is displayed allowing to generate billing invoice:



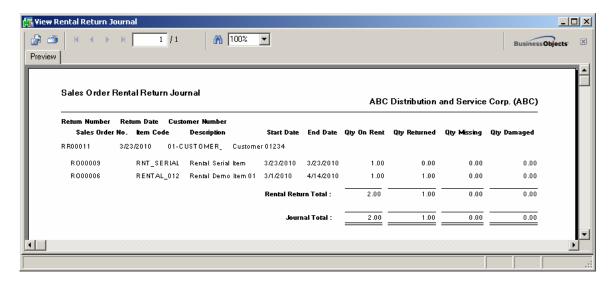
Click Yes to generate Invoices for corresponding lines.

## Rental Return Reports/Update

After Returns have been created, select the **Rental Return Reports/Update** from **Sales Order Main** menu to print/preview the rental return journal.



You can preview/print the Return Journal prior to updating in order to be sure the return data has been entered accurately.



The following message appears after printing the journal:



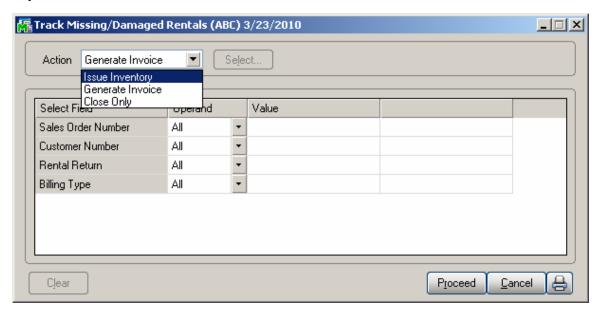
Select Yes to update the Rental Return Journal.

After the Rental Return Journal update, the rental information displayed in the Rental Status View is updated for corresponding lines.

For partial returns and returns containing missing/damaged items the order lines are split in the Rental Status View.

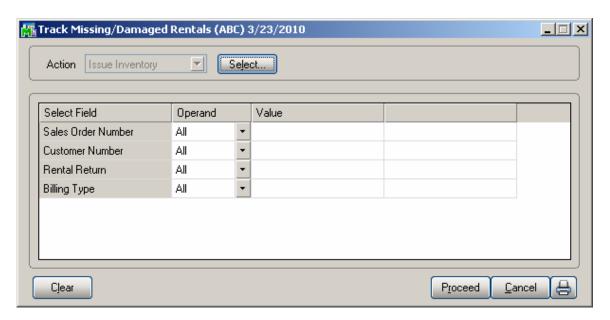
### Track Missing/Damaged Rentals

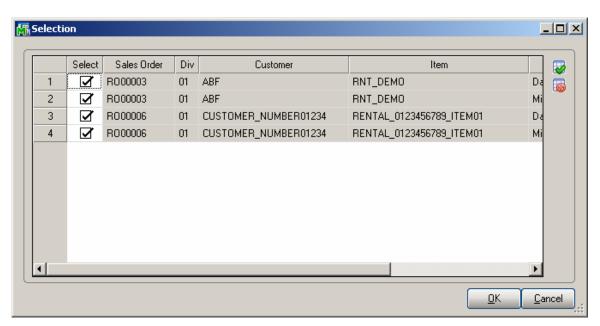
The **Track Missing/Damaged Rentals** program has been added to the **Main** menu of the **S/O** module to allow generating Invoices/Credit Memos, IM Issue transactions for missing/damaged rentals or just closing the line without any action.



Select the **Action** and click the **Proceed** button. After clicking **Proceed** the **Select...** button will become enabled to allow opening the **Selection** grid.

Choose the **Issue Inventory** action to generate IM Issue transaction for selected lines. Transaction will be generated for the warehouse the rentals have been shipped from.

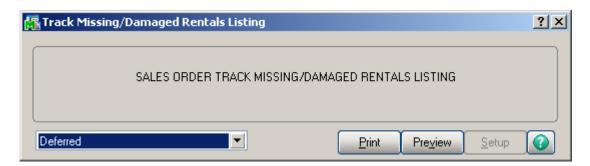




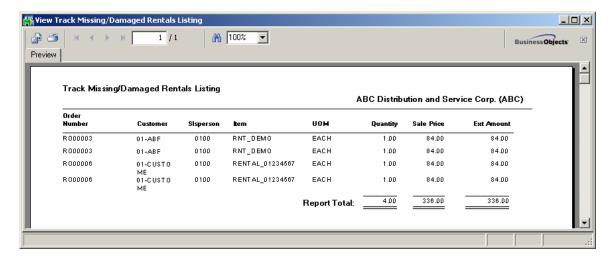
The quantities treated as missing or damaged during return are loaded in the grid.

Check the lines you want to process and click Ok.

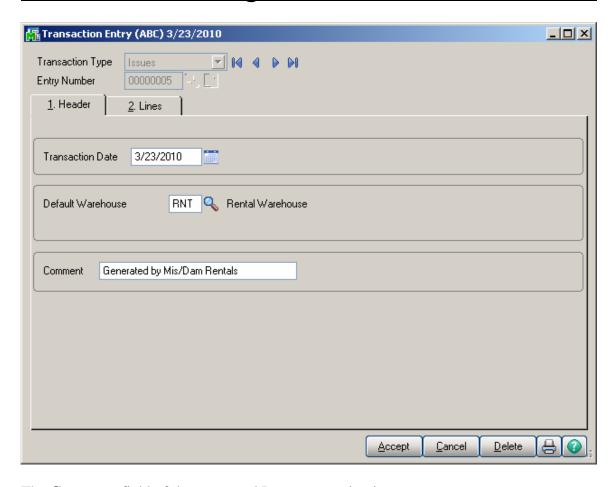
Now through the **Track Missing/Damaged Rentals Listing** (opened through the **Print** button in the **Track Missing/Damaged Rentals** screen) the selected **Action** will be performed.



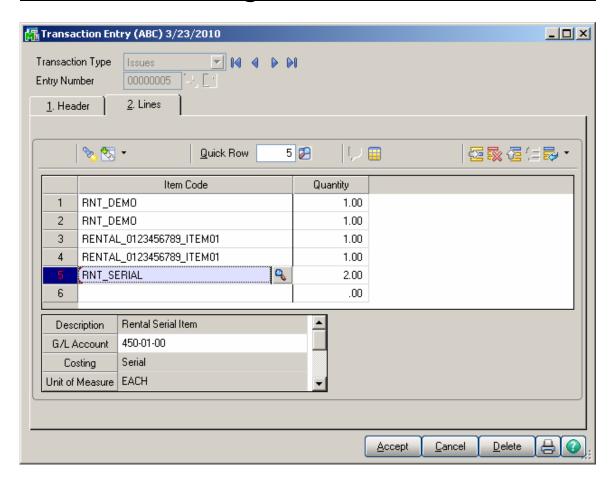
You can Preview/Print the Missing/Damaged Rentals listing prior to I/M Issue transaction is generated.



Here is the Transaction generated for the selected Miss./Damaged rentals.

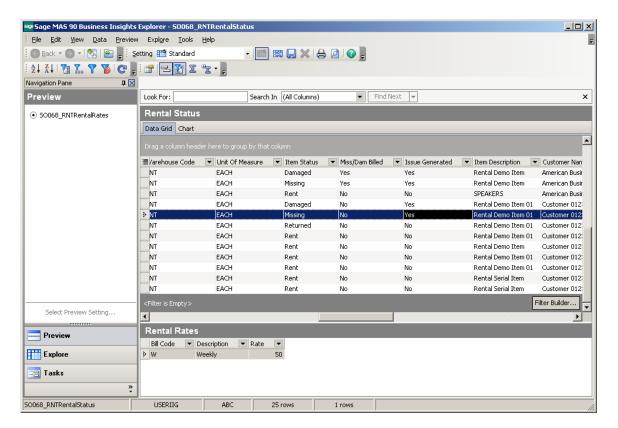


The **Comment** field of the generated Issue transaction is populated with "Generated by Miss/Dam Rentals" text.



The Serial Items will be automatically distributed (Distribution of the Return Entry is carried over to the Transaction entry) in the generated Issue Transaction if there is Qty Available for current Serial number during the Issue Generation.

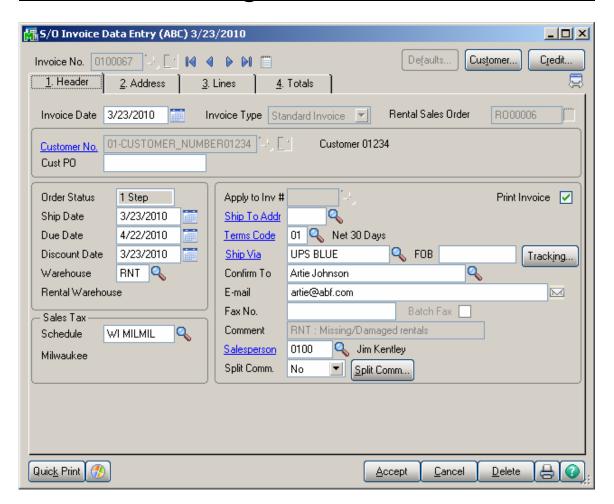
After the Issue Transaction is updated the Issue Generated flag is set to "Yes" in the **Rental Status View**.



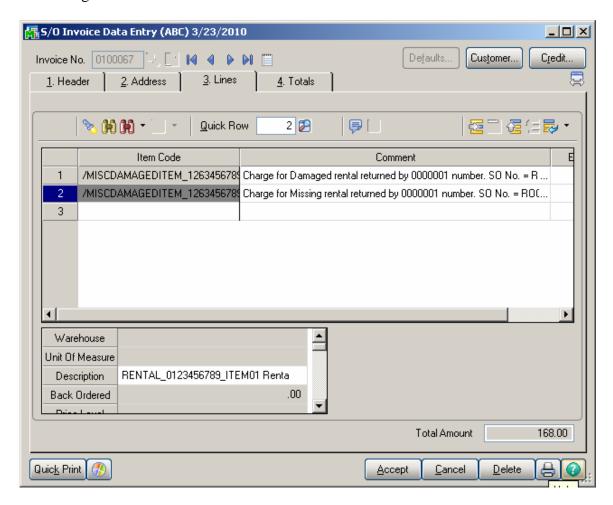
Select **Generate Invoice** action to bill the customer for missing/damaged rentals. The **Unit Price** for a missing/damaged item will default to the **Sales Price** specified on the line of order.

Here is an example of generated invoice for missing/damaged rentals.

For missing/damaged rentals the **Comment** field on the **Header** tab of the **S/O Invoice Data Entry** always displays the following: *RTN: Missing/Damaged rentals*.



On the **Lines** tab you can see the comment lines for missing and damaged units.



After Invoice is generated for Miss./Damaged lines corresponding Invoice number is set in the **Miss/Dam Invoice Number** field in the **Rental Status View**.

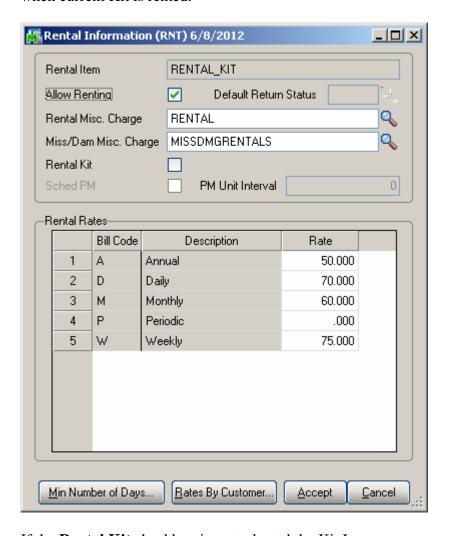
If the generated Invoice is deleted the **Miss/Dam Invoice Number** field in the **Rental Status View** is emptied.

After the generated Invoice is updated the Miss/Dam Invoice Number field is cleared and the Miss/Dam Billed flag is set to "Yes" in the Rental Status View.

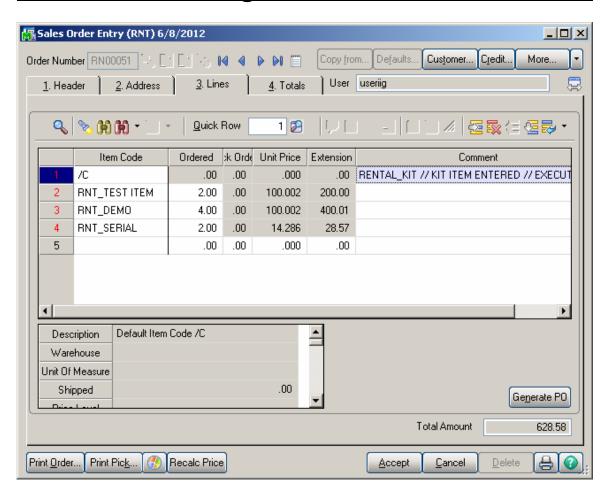
If the **Close Only** action is selected the missing/damaged rental is considered as billed/issued but invoice/IM Issue transaction is not actually generated.

# **Rental Processing for Kit Items**

The **Rental Kit** checkbox on the Item **Rental Information** screen is enabled to allow specifying whether or not Kit Pricing should be applied in the **Sales Order Data Entry** when current Kit is rented.



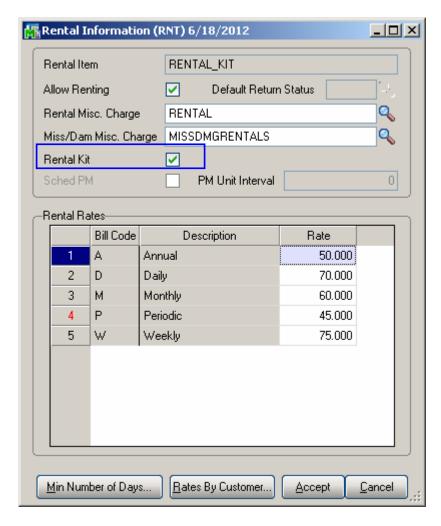
If the **Rental Kit** checkbox is not selected the Kit Item allowed for rent is automatically exploded in the Rental Order irrespective of the **Explode Kit Items** option set in the **Item Maintenance Additional** tab.



Upon entering a Kit Item in the rental order the parent Item number is replaced with a comment line indicating sales kit number. All the components of that kit are presented as regular line items. The components allowed for rent are processed as regular rental items.

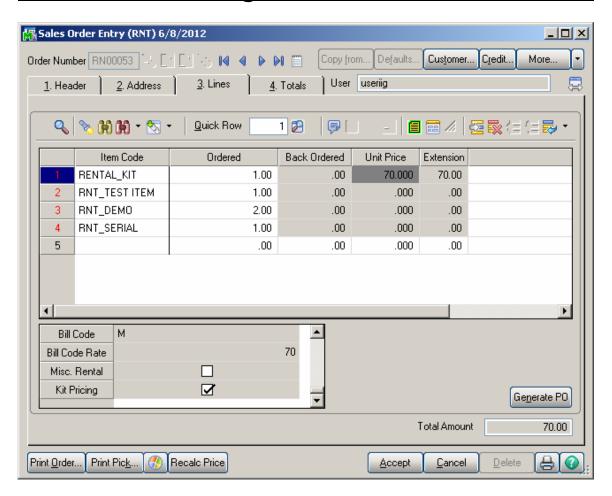
## Kit Pricing

If the Rental **Kit** checkbox is selected on the **Rental Information** screen Kit Pricing is applied for current kit in the Sales Order Entry.

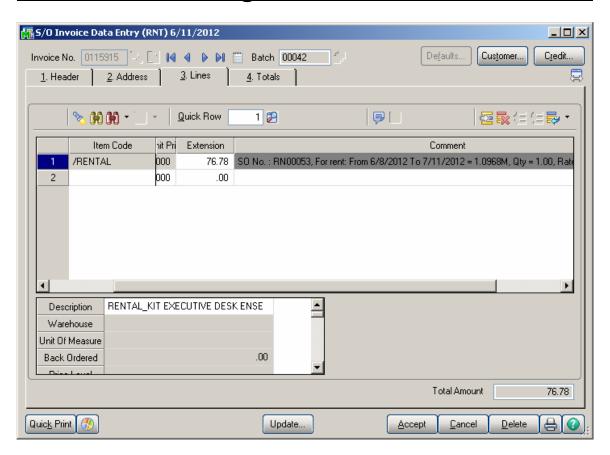


Select the Rental Kit checkbox if you want to apply Kit Pricing logic for current Kit Item in the Sales Order Entry.

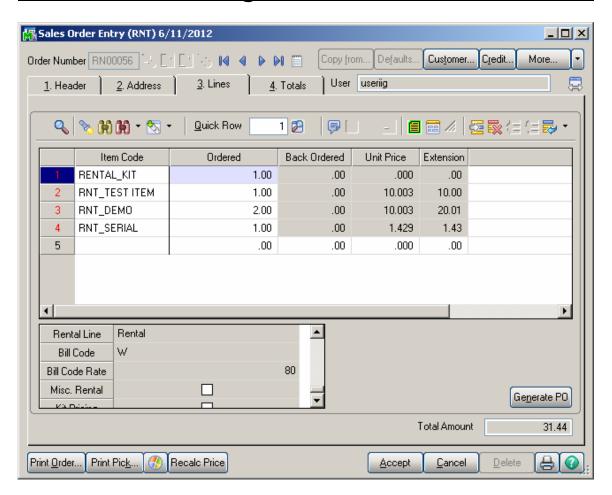
It is necessary to select the **Kit Pricing** checkbox added in the secondary grid of the Sales Order Entry when entering a Kit Item if you want the Unit Price to be calculated only for Kit parent Item.



In this case when generating Invoice (from Invoice Data Entry or by the Rental Invoice Generation program) the Rental Misc Charge line with respective Extension Amount is added only for the parent Item.

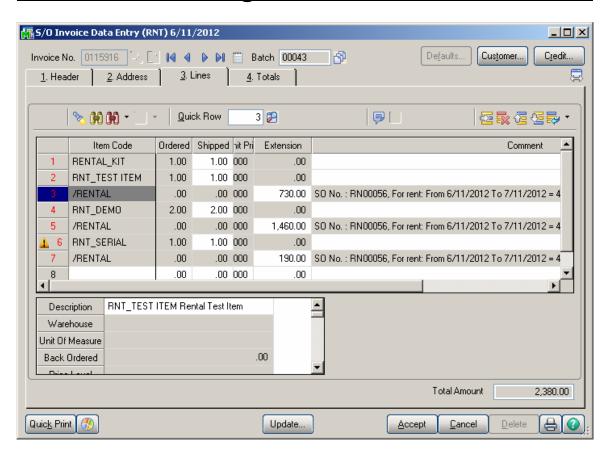


If the **Kit Pricing** checkbox is not selected while entering a Kit Item the Unit Price is calculated only for Kit components and the parent Item Unit Price is zero.

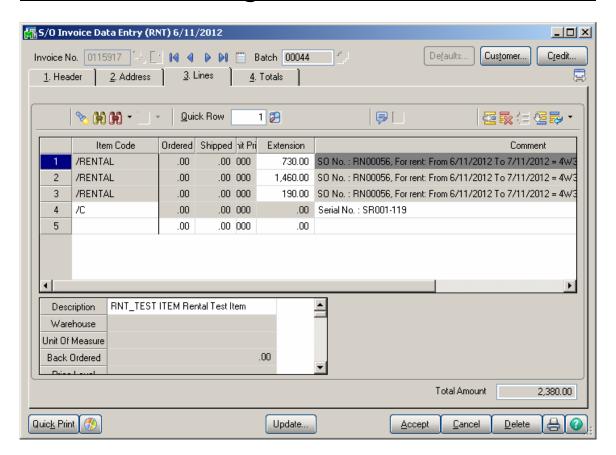


In this case, when rental order is invoiced either by the Invoice Data Entry or by the Rental Invoice Generation program, Rental Misc. Charge lines with respective Extension Amounts are loaded into the Invoice lines only for the component rental Items.

Here is an example of the Invoice created by the Invoice Data Entry:



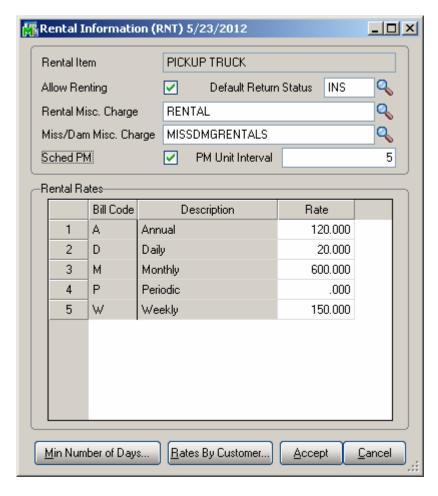
Here is the Invoice generated by the Rental Invoice generation program.



Rental Processing for Serial Items

#### Serial Item Rental Information

For **Serial Items** additional fields are available on the Rental Information screen to allow setting Default Return Status to enable serial statuses inspection after they are returned, allow creating preventive maintenance tasks in case the **PM Unit Interval** specified for current serial Item is over.



**Sched PM-** select this checkbox if you need a PM task to be generated for current serial. If this box is selected and the PM Unit Interval is over for current Serial during Rental Return the user is prompted about generating a PM task during the Return Journal Update.

The status of a serial number due to PM task generation is defaulted to the **PM Serial Status Code** setup in the Sales Order Options.

Note The preventive maintenance task will be automatically generated if you have IIG's Service Management integrated in your rental system.

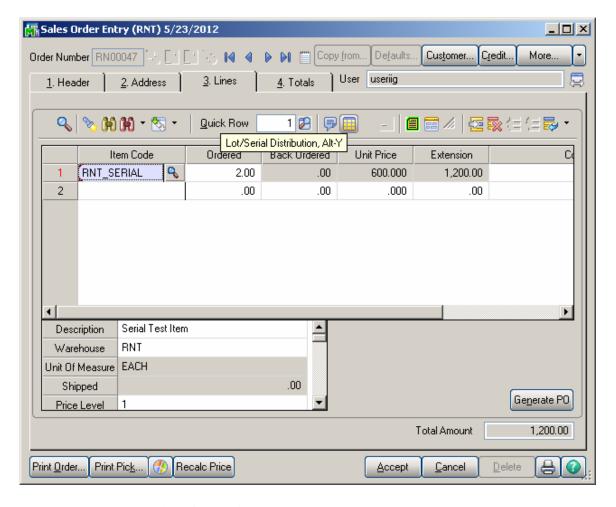
**PM** Unit Interval-enter a number to indicate the unit interval for performing preventive maintenance.

During rental Return Update, the program will check for the difference of **PM Last Unit (meter)** and current **Meter Reading**) and if it is greater than the PM Unit Interval set for current Serial a prompt about PM Task generation will popup.

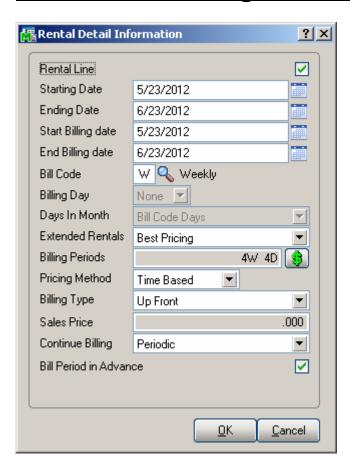
### Rental Order Processing for Serial Items

For serial rentals distribution by Serial number is available in the Sales Order entry if the **Lot/Serial Distribution** for Sales Order Entry is enabled in the **Sales Order Option.** For Serial Items not indicated as Rental in the Item Maintenance the original Lot/Serial Distribution is processed.

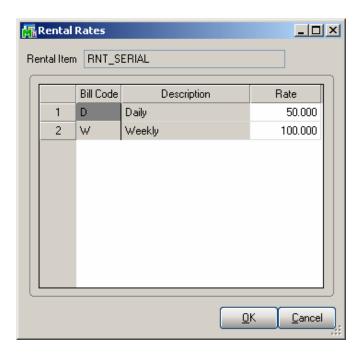
Select a serial rental item.



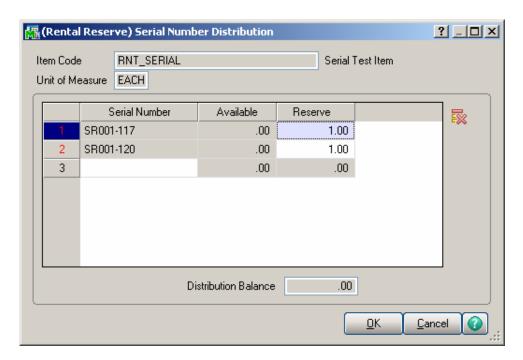
Press the **Rental Detail Information** button to enter the rental terms:



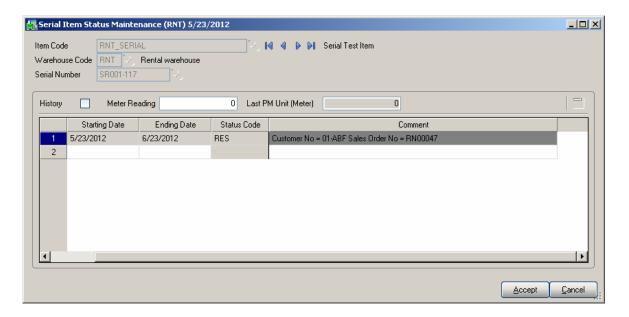
The Unit Price for current Rental line will be calculated as 4\*100 (Weekly Rate) + 4\*50 (Daily Rate) =600



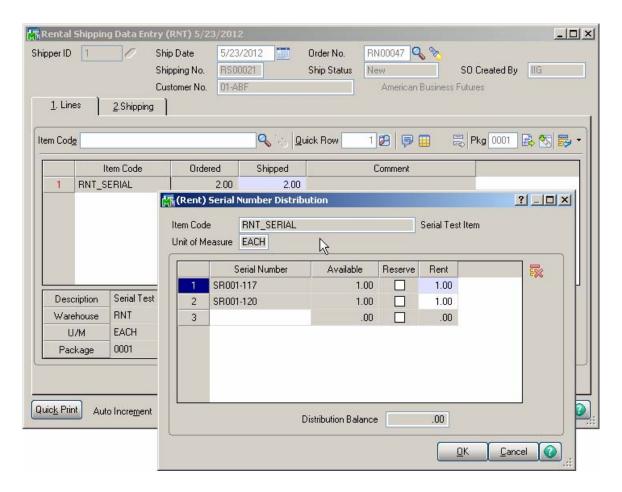
After entering the rental detail information click the **Rental Serial Distribution** button to distribute Rental Item by Serial Numbers.



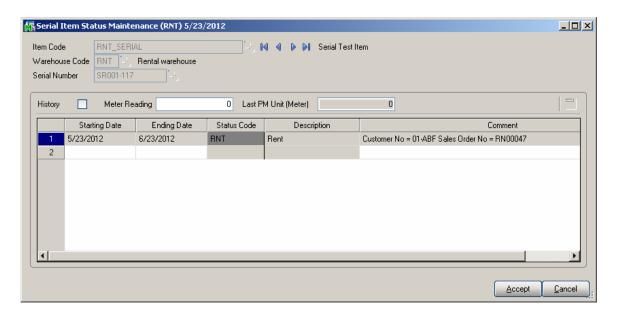
Just after the serial is distributed in the Sales Order, a record is added in the **Serial Item status Maintenance** for current serial number with Status Code set to RES (Reserved) and a comment showing the Customer and Sales Order number.



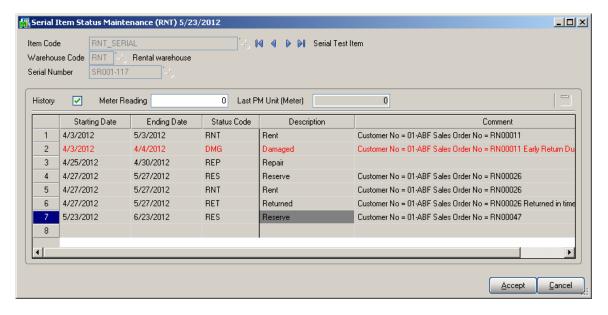
When rental is shipped through the **Rental Shipping Data Entry** program the serial numbers distributed in the **(Reserve) Serial Number Distribution** screen are loaded into the **(Rent) Serial No. Distribution** screen.



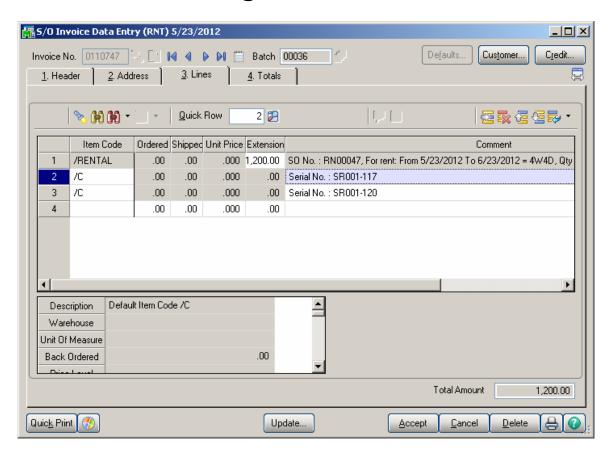
The **Serial Item Status Maintenance** is updated with a new record added for current Serial Number with Status Code set to **RNT (Rented)** and the previous status code record (RES) is moved to the History.



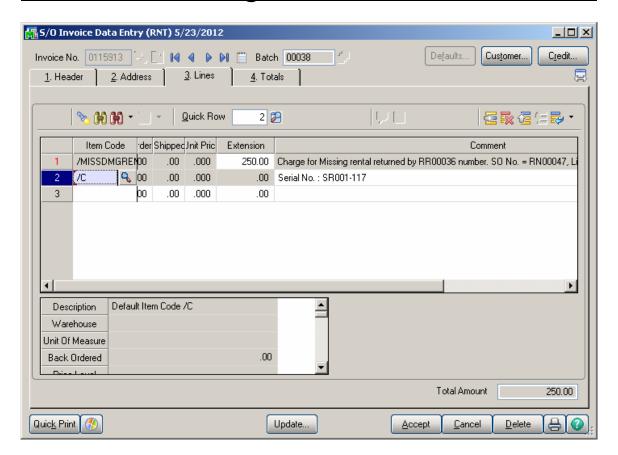
Check the History checkbox to see all Status codes for current Serial number:



When Invoice is generated through the **Rental Invoice Generation** program for billing the Serial Items being rented a comment line is added in the Lines grid of the Invoice for each Serial number.

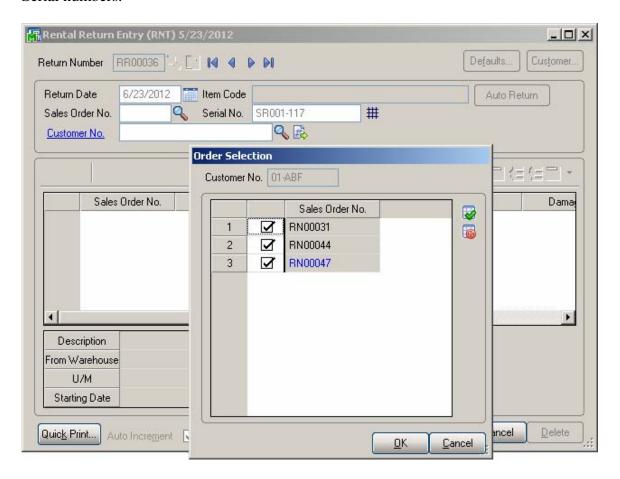


When Invoice is generated for **Missing/Damaged Rentals** through the **Track Missing/Damaged Rentals** program a Comment line is added in the Lines grid for each Serial number.

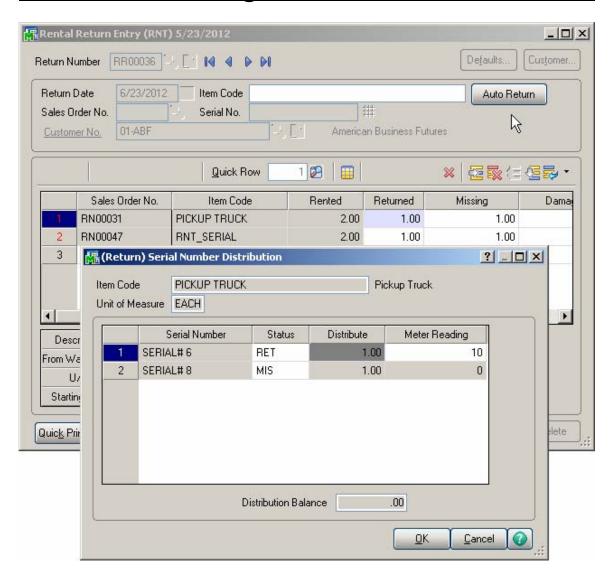


#### Serial Rentals Return

The **Serial No.** field added on the Rental return entry allows the user to easily find and return all open rental orders, which are due to return by the specified Return Date, of a Customer at once just by scanning one of the Serial numbers.



After scanning the Serial Number, Order Selection screen is opened with open rental order numbers loaded in the grid. All orders are selected by default. The Rental Order containing the Serial number scanned is highlighted blue. Press Ok to load the selected orders in the Rental Return Lines.



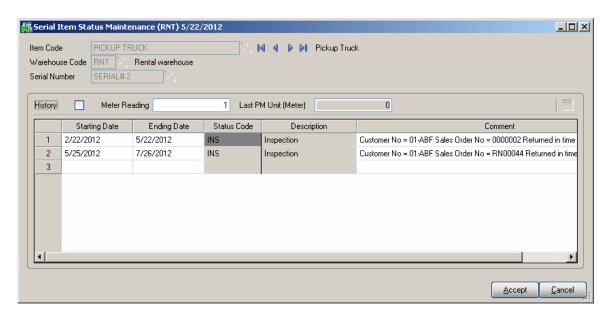
#### Serial Item Status Maintenance

The **Serial Item Status Maintenance** added to the **Inventory Management Main** menu is intended for keeping track of Serialized Items statuses for current system date as well as reviewing the statuses history.

It is possible to assign some Status Codes to the serial number for the specified date range. REP, DL status codes can be assigned manually since the user can forecast specific Serial number to be in repair for some date range (e.g. from 04/25/2012 - 04/30/2012). In this case the REP status code should be assigned to the Serial number for 04/25/2012 - 04/30/2012 period.

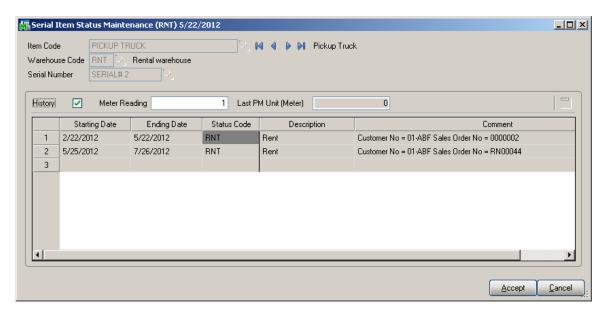
Some status codes (RES, RNT, INV, MIS, DMG) cannot be assigned to the serial number manually. Those statuses are updated correspondingly for each serial number during rental processing.

Just after the selected Serial Number is entered in the Sales Order Entry its Status Code is set to RES (reserved). Corresponding Status Codes will be set in case the selected Serial Number has been invoiced (INV), damaged (DMG), and missing (MIS). The Damaged and Missing Status Codes are updated during the Rental Return update process.



The current status of each Serial Number is validated before it is processed. And depending on its status the system determines whether or not it can be processed currently.

Select the History checkbox to view all statuses of the Selected Serial Number that have been deleted or updated during Rental processing.



The **Meter Reading** field is intended for entering current meter reading for a serial number.

The current Meter Reading is loaded to the Serial Distr The **Last PM Unit** (Meter) field indicates current serial's meter reading at the time the last preventive maintenance was performed.

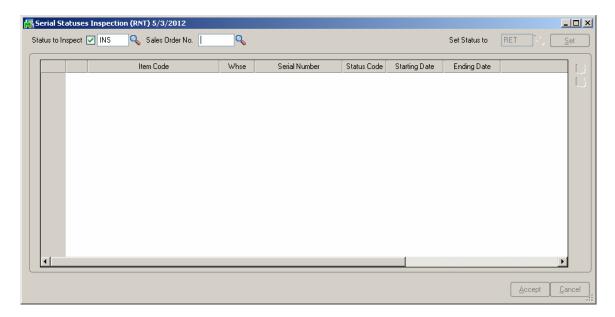
These fields' values are updated as follows:

The current Meter Reading value entered here is automatically loaded into the Meter Reading field on the (Return) Serial Number Distribution screen during Serial number return and the user may change it. If the difference of meter reading value (at the time of return entry) and the initial meter reading is greater than the PM Unit interval set on the Serial Item's Rental Detail Information screen the user is prompted about PM Task generation. If the user confirms task generation the Serial status is changed to PM and both the Meter Reading and Last PM Unit (Meter) values are updated on the Serial Item Status Maintenance.

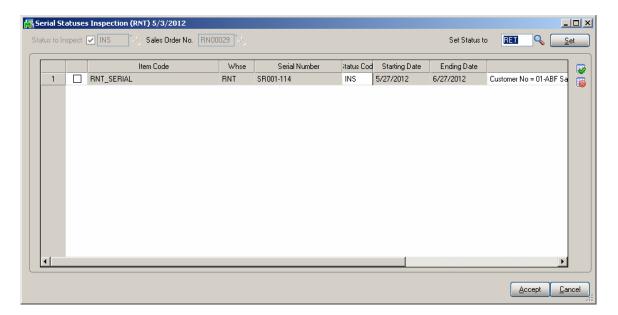
If the difference of Meter Reading at the time of return and the initial Meter Reading doesn't exceed the **PM Unit Interval** no prompt appears about PM task generation. In this case only current Meter Reading value is updated with respective meter reading value entered at the time of return.

#### Serial Statuses Inspection

The **Serial Status Inspection** program has been added to the **Inventory Management Main** menu to allow for inspection of Serial Items being returned. It is necessary to have respective Status Code selected for Rental Return Default Status in the Sales Order Options.



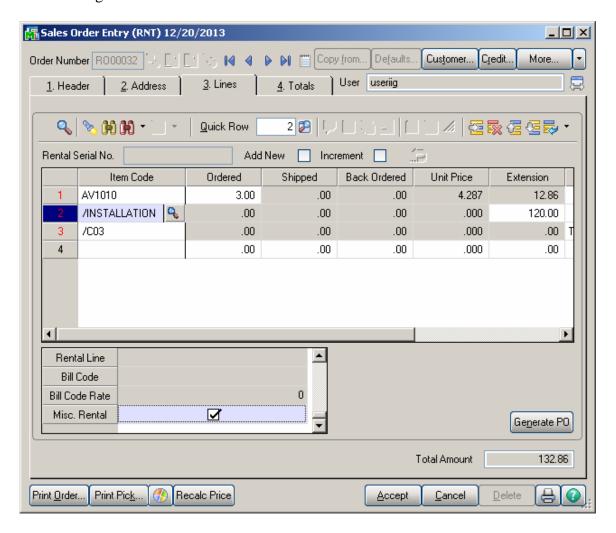
Select the **Status to Inspect** checkbox. Upon selecting this checkbox the Default Return Status set in the SO options is selected. In the **Sales Order No** field select the Order.



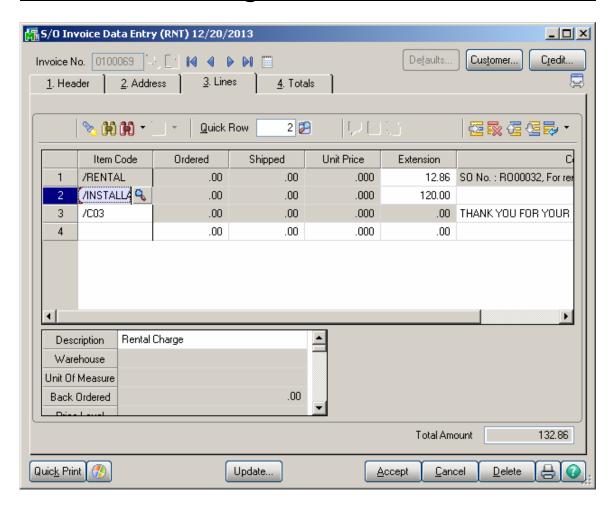
The Set Status To field is defaulted to RET (Returned) allowing the user to easily set the status to returned. If during inspection it is found out that the Item is damaged, needs repair or something else then it's necessary to select corresponding status code from the lookup list and press the Set button.

### Comment Lines in Rental Order/Invoice

The **Misc. Rental** checkbox added to the secondary grid of Sales Order Entry allows the user to mark the comment, or Masc. Charge/Item line entered in the Sales Order as **Misc. Rental** and provides carrying over those comment lines to the Invoice generated for current order.



Here is the Invoice generated for the above rental order:



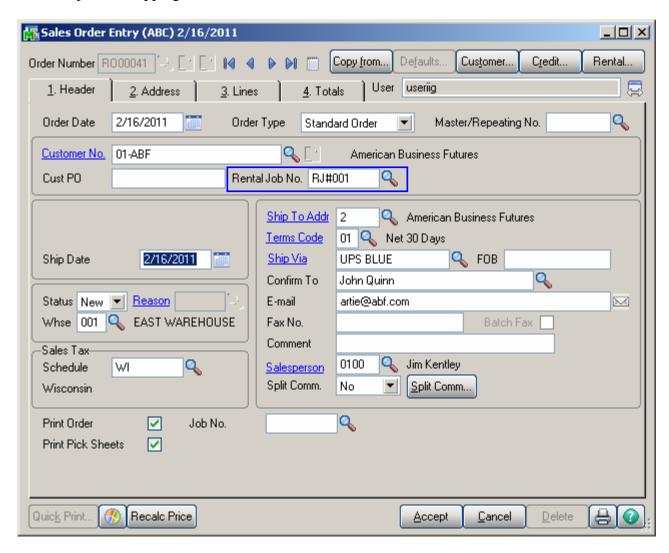
After the Invoice is updated and the order lines' Rent Status is set to Closed, the Order will be automatically deleted and saved in the History.

Note: The Rental order will not be deleted if it contains any other none rental lines and the **Transfer Misc. Rental Lines** option is set to **None** in the **Sales Order Options**.

# Shipping Rental Orders Grouped by Rental Job Number

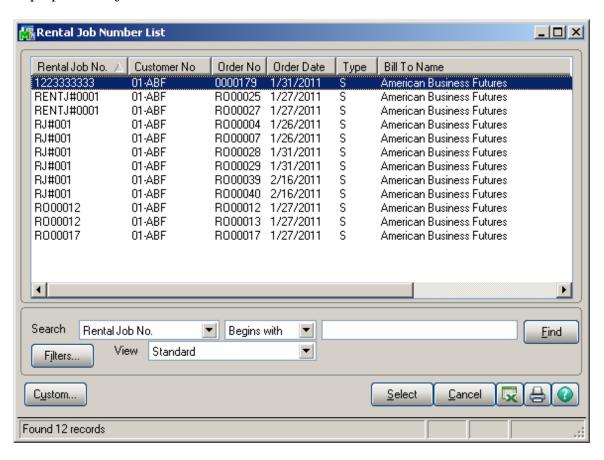
#### Sales Order Entry

The **Rental Job Number** field added to the Sales Order header allows the user to assign a Job Number to the Sales Order. This allows grouping all orders of the customer for the same job for shipping.



The **Rental Job No** field supports up to 10 alphanumeric characters.

The Rental Job No lookup lists all the Rental job numbers for the selected customer allowing the user to tie the order to proper rental job.



The following message will appear in case of entering a job number already assigned to another Customer's Order.



The **Rental Job No** field is emptied upon changing the Customer.

The user will not be able to start Invoicing of the orders tied to a Rental Job until the lines' Billing Start date is reset by the **Reset Start Billing Date** program for all the Orders tied to that job.

So in order to be able to update Rental Shipping and proceed with Invoice generation it is necessary to run the **Reset Start Billing Date** program and set the same Start Billing Date on all rental lines of the orders associated with current job.

#### Reset Start Billing Date

The **Reset Start Billing Date** program has been added to the **Sales Order Main** menu to allow setting a **Billing Start Date** on all Rental Orders with the specified **Rental Job Number** assigned.

The **Billing Start Date** is defaulted to the Sales Order module's current accounting date.



Enter the **Rental Job Number** and click the **Reset** button. The program will go through all rental orders stored with the job number and set the **Start Billing Date** to the date entered. The **Start Billing Date** will be reset only on the rental lines having the **Minimum One Period Rental Charge** checkbox selected on the **Rental Detail Information** screen.

Note: The Billing Start Date must necessarily fall in the Rental Starting and Ending Dates range.

The rental **Starting Date** will not be changed.

## **Sub Rental Processing**

In the rental industry it is common to rent out items that are not actually available in the Warehouse but are just rented from vendors for some period.

Sub-Rental processing enables renting items from Vendors (Sub-Rental PO Generation) for the purpose of renting out those items.

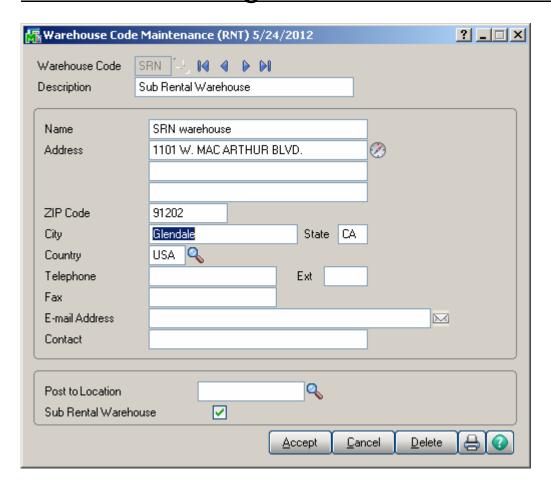
The Sub-Rental processing provides automatic and manual **Sub-Rental PO Generation**.

This enhancement provides the products to be brought in the Sub Rental warehouse at zero cost.

The user should setup a warehouse for sub-rental inventory.

### Warehouse Code Maintenance

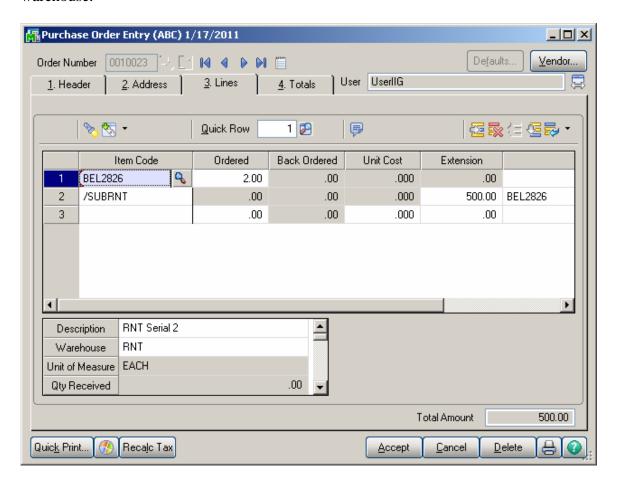
The **Sub Rental Warehouse** check box added on the **Warehouse Code Maintenance** allows the user to specify the warehouse intended for Sub Rental Processing.



All Rental Items receipted in the Sub Rental Warehouse will have zero cost.

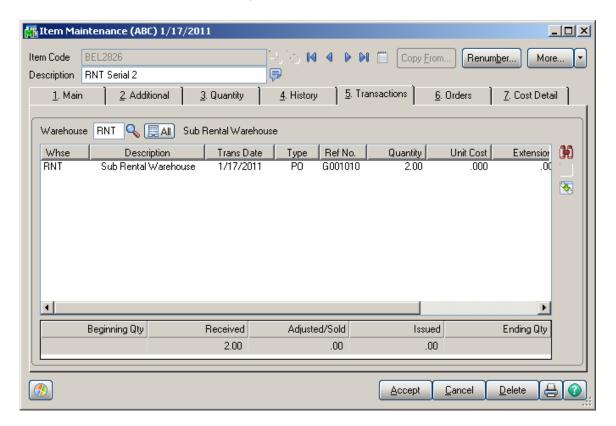
#### Manual PO Generation

In case of manual PO generation the user should generate Purchase Order with the needed items for the Sub Rental warehouse.



A **Misc. Charge Code** with corresponding amount should be entered for the rent charges.

The **Unit Cost** of the Item receipted for the Sub Rental warehouse is set to 0.

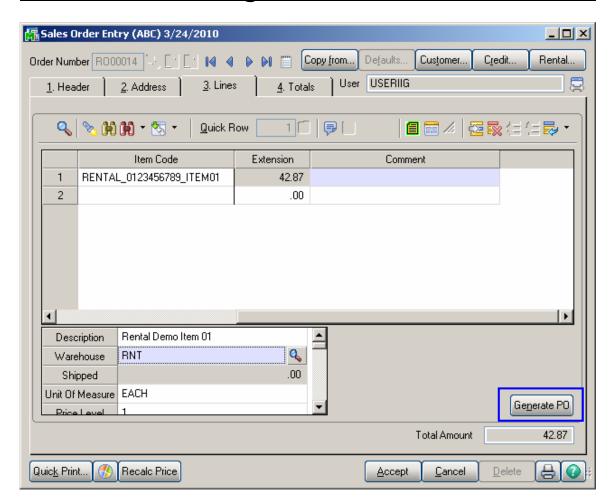


The Sub-rental Items can be returned to the vendor through the **Return Of Goods Entry** transaction.

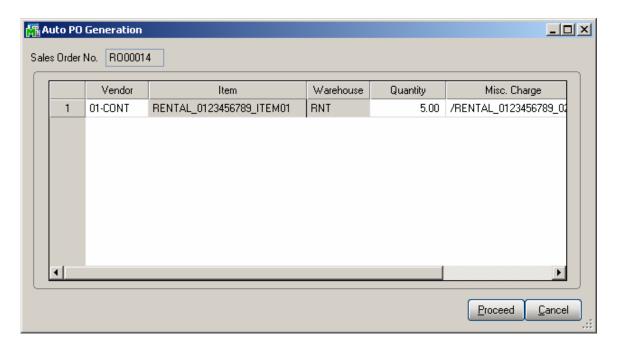
#### Automatic PO Generation

### **Sales Order Entry**

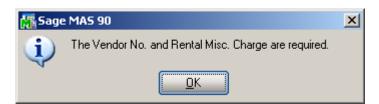
When Sales Order is created for rental items from the Sub Rental Warehouse the user can generate Purchase Order(s) for the Sales Order rental lines just from the Sales Order Lines tab through the **Generate PO** button.



Upon clicking the **Generate PO** button the **Auto PO Generation** screen is opened. On this screen the user should enter the **Vendor** number and the **Misc. Charge Code** with corresponding Extension amount.

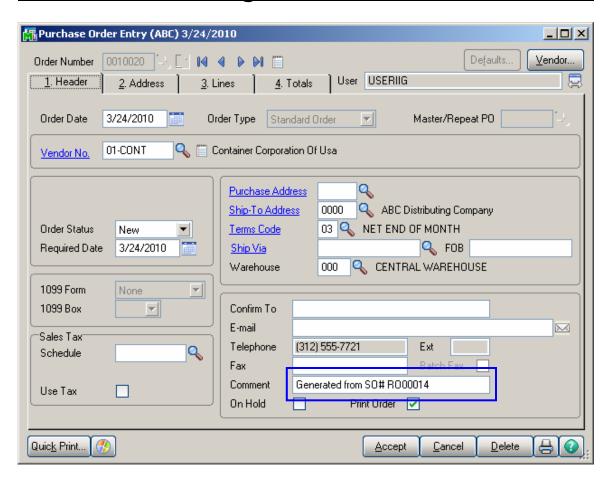


These fields are required and the following message will appear if the user leaves them blank.



The **Quantity** is set to the quantity Ordered by default but it can be changed for PO Generation.

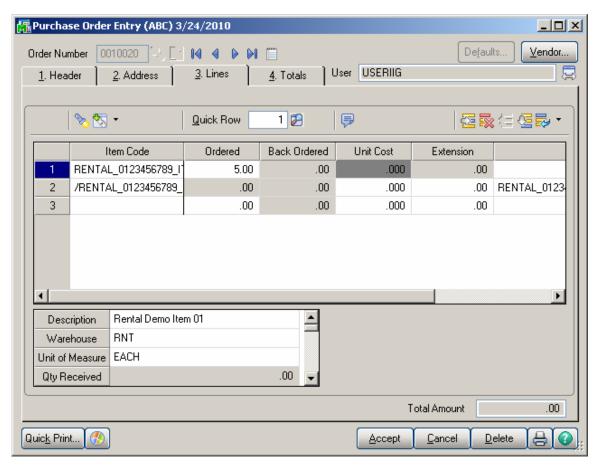
Here is the PO generated for the Sales Order rental line. During PO generation the rental lines are grouped by Vendor Number.

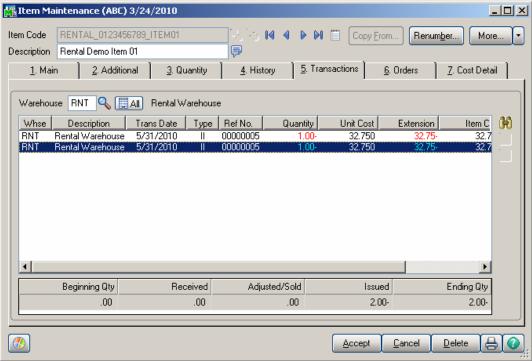


The Comment field on the PO header displays the Sales Order number the PO is generated from.

The **Unit Cost** for the rental line ordered for Sub Rental

Warehouse is equal to zero.



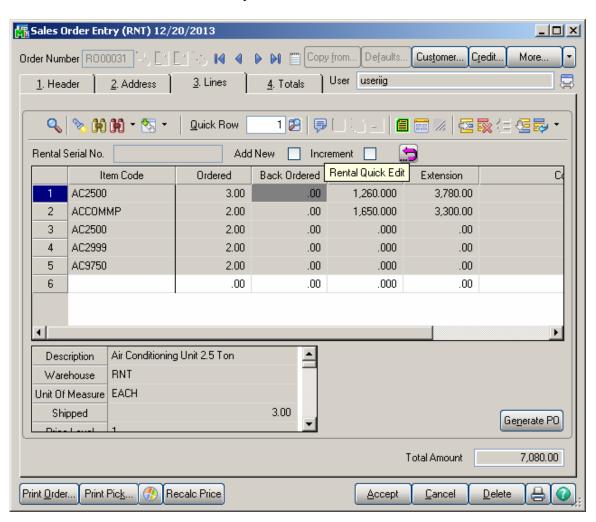


The **Unit Cost** is zero for all Rental Item PO Transactions processed for Sub Rental Warehouse.

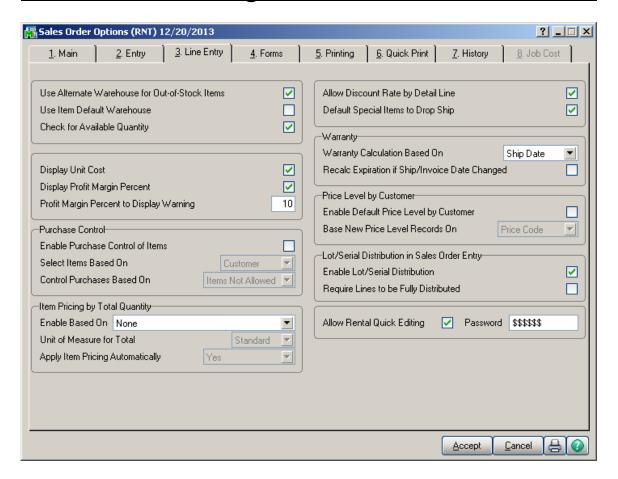
## **Rental Quick Editing**

## Sales Order Entry

The **Rental Quick Edit** button has been added on the Lines tab of Sales **Order Entry** to allow changing the actual Rental Return Date for orders already returned.



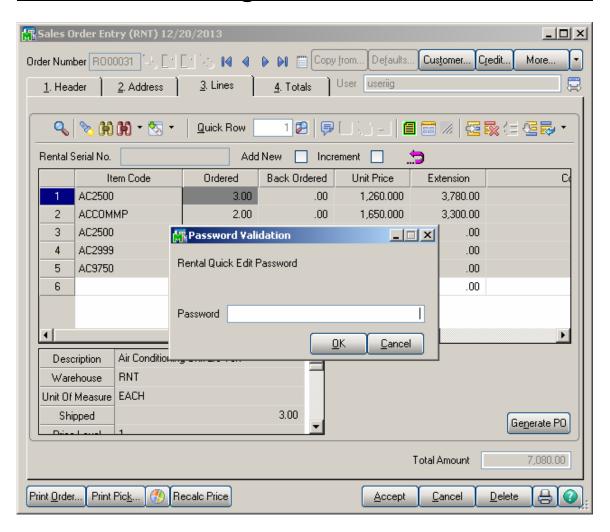
This button is enabled only if the **Allow Rental Quick Editing checkbox** is selected on the Line Entry tab of the **Sales Order Options.** It is necessary to enter a **Password** to prevent unauthorized access to this function.



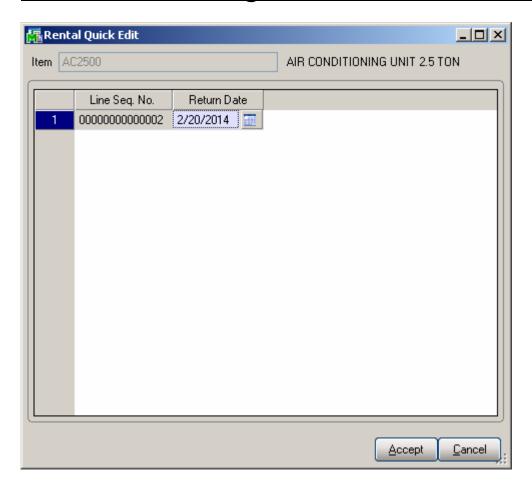
The **Rental Quick Edit** button on the Sales Order line will be disabled in the following cases:

- The Allow Rental Quick Editing checkbox is not selected in the SO Options.
- The line has not been returned yet.
- If there is an Invoice generated for the SO line (Invoice Generated flag is Yes in the Rental status View).
- The Rental Status is closed for current line.

Upon pressing the **Rental Quick Edit** button the user is prompted for password:



After entering valid password the Rental Quick Edit screen is opened with the item Code selected and the Return Date field opened for editing:

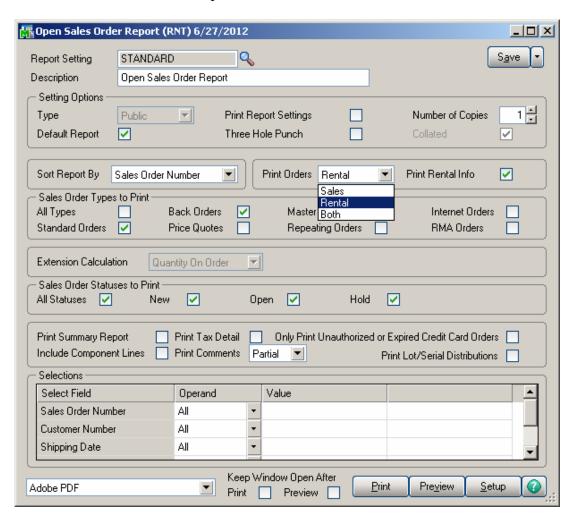


## **Reports**

### Open Sales Order Report

The **Print Orders** drop box with **Sales, Rental** and **Both options** has been added on the **Open Sales Order Report** to allow printing only **Sales Orders** (the orders with Default Rental Line flag turned Off on the Rental Header Information screen), only **Rental Orders** (the orders with **Default Rental Line** flag turned On the Rental Header Information screen) and both Sales and Rental Orders.

The **Print Rental Info** checkbox is enabled if Rental is selected in the Print orders drop box.



The following information is printed for Rental Order lines if the **Print Rental Info** checkbox is selected:

Starting Date

**Ending Date** 

Start Billing date

End Billing date

Bill Code

Billing Day

**Extended Rentals** 

**Billing Periods** 

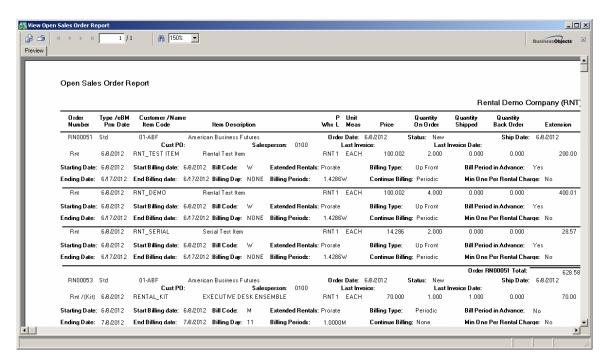
Billing Type

**Continue Billing** 

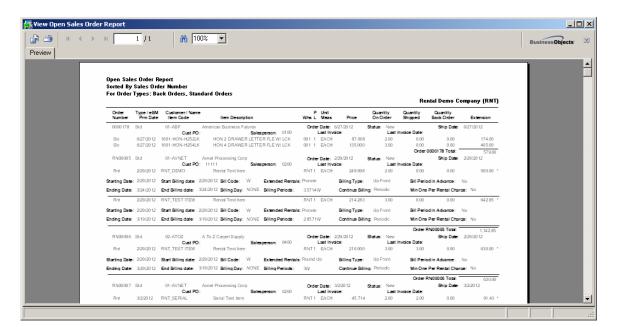
Bill Period in Advance

Min One Per Rental Charge

Here is an example of printout for Rental Orders with **Print Rental Info** checkbox selected:

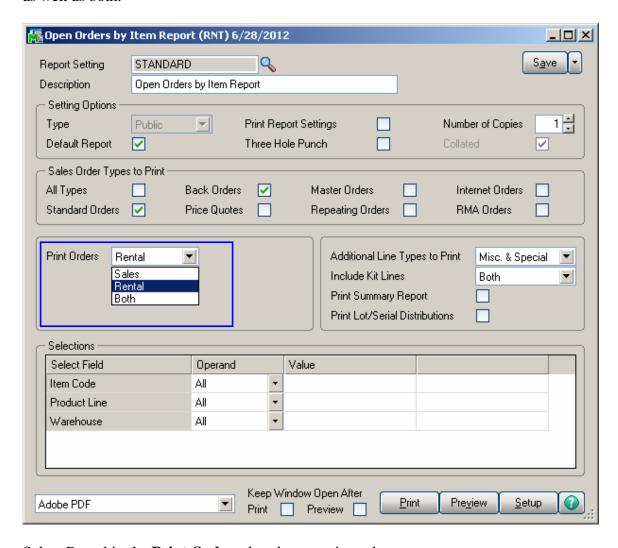


Here is an example of printout for **Both** option:



## Open Orders by Item Report

The **Open Orders by Item** report has been modified to provide an option of printing Sales Orders, Rental Orders as well as both.

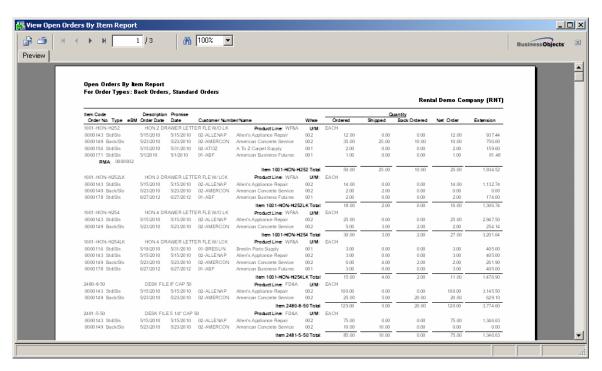


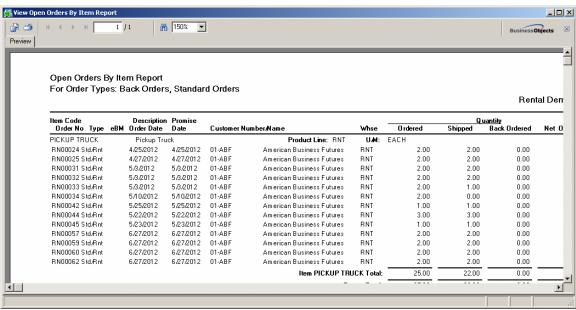
Select Rental in the **Print Orders** drop box to print only those orders, which **Default Rental Line** flag is turned "On" on the Rental Header Information screen.

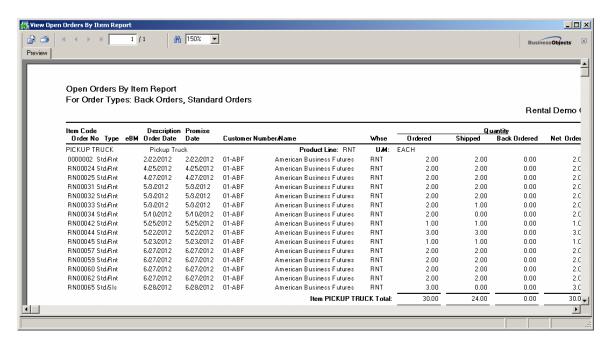
Select **Sales** to print only those orders, which **Default Rental Line** flag is turned "Off" on the Rental Header Information screen.

Select both to print all orders regardless the **Default Rental Line** flag setting on the Rental Header Information screen.

Here is an example of printouts respectively for Sales, Rental and Both options:







The **Sls**, **Rnt** note next to the Order type (e.g. Std/Sls) indicates whether the Order is sales or Rental order.

## Serialized Items Rental Board

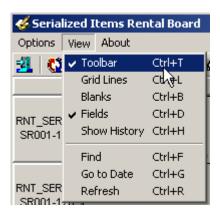
The **Serialized Items Rental Board** is intended for displaying information about Rental Serials and their statuses. A rental period for a serial is represented as a range of cells. The start of a range is rental **Starting Date**. The end of a range is the **Ending Date**. Each rental status in the cell (e.g. Returned, On Rent, Damaged, Missing, etc) may be displayed in respective color setup in the **Item Status Code Maintenance**.

The **main menu** located in the upper left corner of the Rental Board screen, contains the following submenus:



In the **Options** menu, you can select an existing **Options Type**, and **Edit Options** in the **Options for User** dialog box (described later). Current Options Type is indicated with a checkmark.

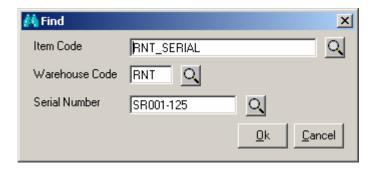
In the **View** menu, you can select to Show/Hide **Toolbar**, **Grid Lines**, **Fields**, **Blanks** (blank rows and columns), **Show History**, **Go To Date** you want, **Find** a specific Item/Serial on the Board and **Refresh** the **Rental Board** view.



The **Toolbar** enables you to quickly **Exit** the Rental Board, **Refresh** the view, **Edit Options**, select **Options Type**, **Show/Hide Grid Lines**, **Show/Hide Fields** (below the grid), **Blanks**, **Show/Hide History**, **Find Serial**. Current Options Type is unavailable (already selected).

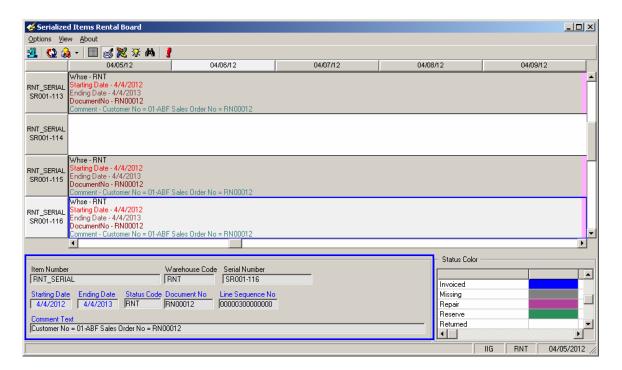


**Find** allows searching a specific Serial number on the Board.



The information for each Serial number is displayed in a cell or span of cells. Each type of data in the cell (e.g., Warehouse Code, Rental Starting Date, Ending Date, Document No, and Status) can be color-coded for better visibility. Also display names of data fields can be changed (for example, shortened). Color bars for Serial Number Statuses can be displayed in each cell. The user can also filter the records loaded in the board to meet certain selection criteria.

Click on a cell to view details of a Serial:



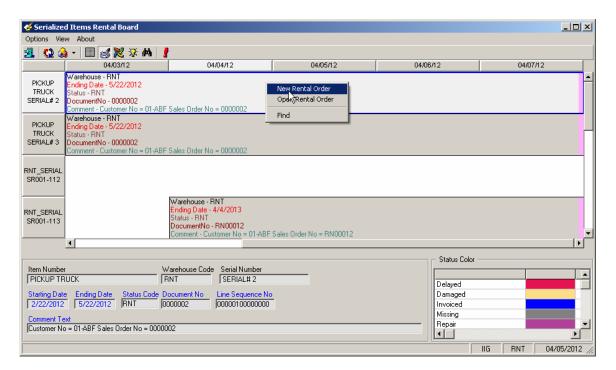
You can place Serials horizontally across the top and the Dates vertically on the board or vice versa

You can also view the duration of rent for each serial. The span of the cells displays the Starting and Ending Dates for current Serial's rent.

Cells can be selected using keyboard Arrows, Page Up, Page Down keys.

Double clicking in a cell opens the Rental Order for the selected Serial Number.

Right-clicking on a cell displays popup menu, from which you can quickly run some programs:



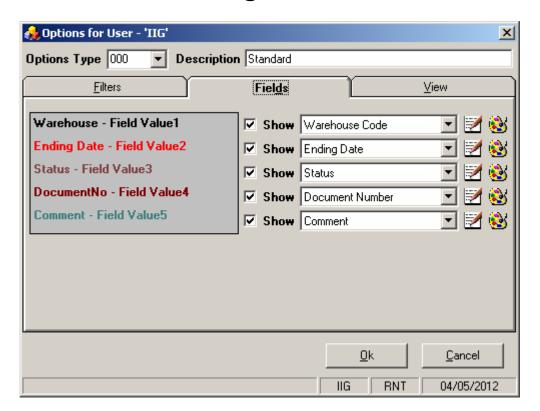
**New Rental Order** opens the **Sales Order Entry** screen with the **Next Rental Order Number** selected and ready for new order entry.

Open Rental Order launches the Sales (Rental ) Order Entry for current Serial Number.

**Find** allows to easily find the Serial Number.

The **Edit Options** submenu allows the user to control the data fields displayed in the cells (and their colors). Select the **Edit Options** submenu from the **Options** menu.

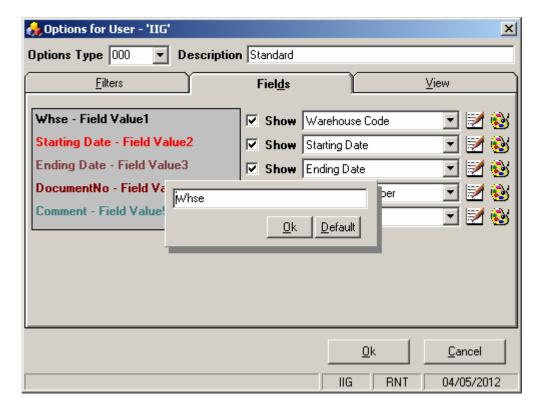
Click the **Fields** tab in the displayed **Options for User** dialog box.



You can choose five data fields to be displayed in the cells of the board. Select fields from the drop-down lists, and see preview on the left.

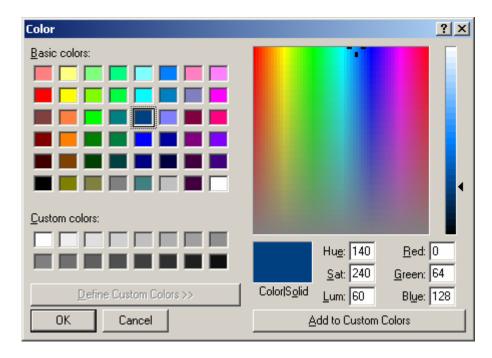
You can hide fields if you do not need all five fields displayed. Uncheck the boxes next to fields that you do not want to be displayed.

Besides, you can change the display name of selected fields. Click the **Edit** button. An edit box is displayed, where you can type a shorter or more convenient name for the field. (You can even delete the name at all, if you have highlighted the field with color or simply remember which one it is.)

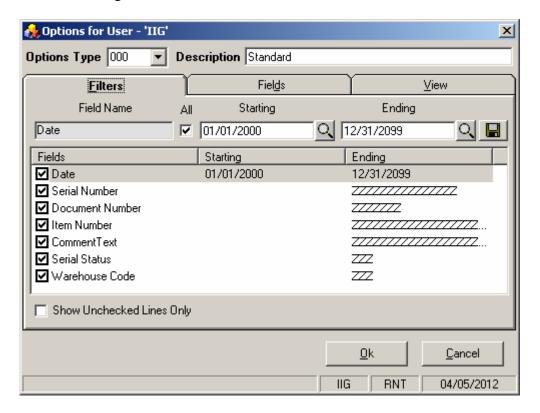


Click the **Default** button to reset the name to the default. Click **OK** to save the new display name.

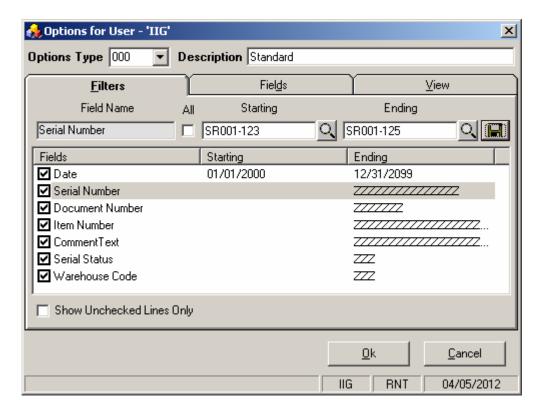
To change the color of a field, click its **Color** button. Select color in the standard Windows **Color** dialog box.



On the **Filters** tab, you may filter the data to see only the records meeting certain criteria.



Select the **Serial Number** line to set a range of Serial Numbers or just a Serial Number



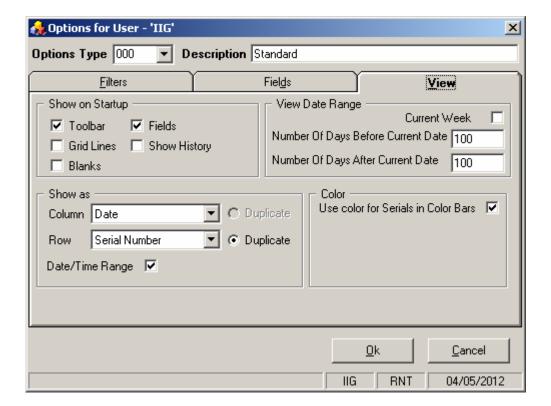
Enter the Starting and Ending **Serial Numbers** and click the **Save Change** icon on the right hand.

To undo the range selection, place a check in the box to the left of the field name. This checkbox means that all possible values of the field will be displayed on the board.

You can select a range of data for any other fields you may wish to limit. Use the **OK** button when you are done.

Check the **Show Unchecked Lines Only** box to display only lines with filters set.

Go to the View tab.



Check the corresponding boxes in the **Show on Startup** section to show **Toolbar**, **Grid Lines**, **Fields**, **Blanks**, **History** each time the Rental Board starts.

The **Show History** option enables displaying **Serial Statuses history** (**from Serial status Maintenance**)

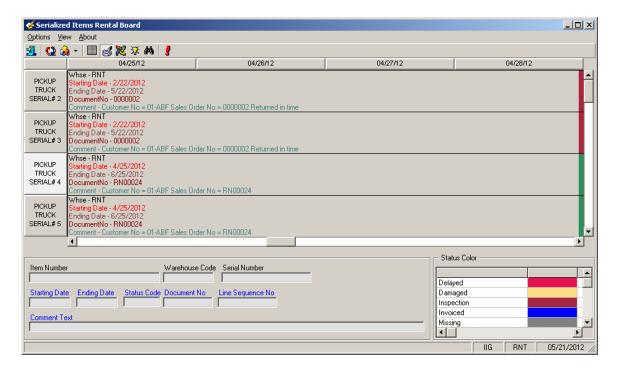
The **Current Week** checkbox is intended for displaying only the data of current week. If this checkbox is selected the display is from Sunday to Saturday of the current week based on the system date.

You can set the **Numbers Of Days Before** and **After Current Date**. This can be useful to locate serials more easily and also to shorten refresh time of the Board. If both are set to 0, all the Dates are displayed.

You can form the Board based on the **Show as Column** and **Show as Row** fields. Select what should be displayed on the top across the board (for instance, it can be serial number or dates), and what should be displayed vertically. Select the **Duplicate** checkbox if you want to see duplicated columns or rows.

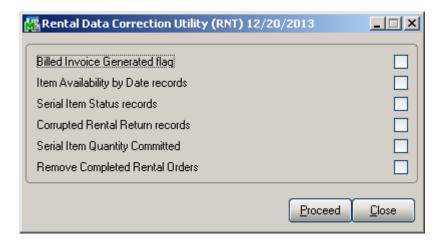
Check the **Use color for Serials in Color Bars** boxes to display the color bars with the colors corresponding to the

one assigned to current status in the Item Status Code Maintenance.



## **Rental Data Correction Utility**

The **Rental Data Correction Utility** has been added under the Sales Order **Utilities** menu to allow rebuilding rental data if needed.



**Billed Invoice Generated Flag** –This option allows the user to reset the Invoice Generated flag on a Sales Order line.

**Item Availability by Date records-** running the utility with this option selected rebuilds the Rental Item Availability table.

**Serial Item Status records-** this option allows for fixing the serial number statuses in the Serial Item Status Maintenance.

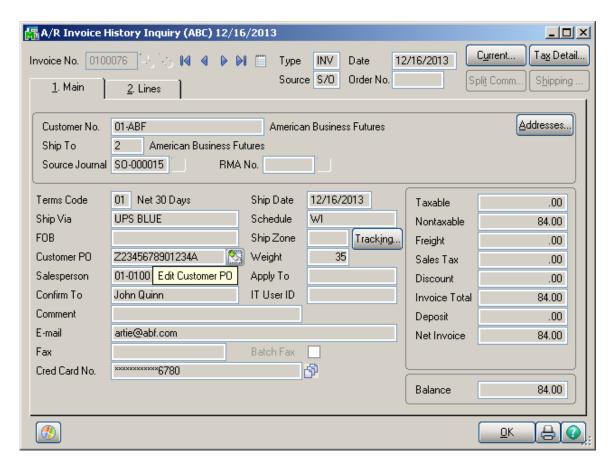
**Corrupted Rental Return Records-** this option allows for removing corrupted return data (if fore some reason Return Journal Update has been interrupted) from the Rental Status Register.

**Serial Item Quantity Committed-** this option allows for correcting Serial Item quantity committed in the IM\_ItemCost table.

**Remove Completed Rental Order-** allows for removing closed rental orders from the Rental Status Register.

## A/R Invoice History Inquiry

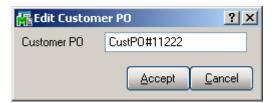
The **A/R Invoice History Inquiry** program has been modified to allow editing the Customer PO field after Invoice has been posted. The **Edit Customer PO** button has been added next to the **Customer PO** field.



The **Edit Customer PO** dialogue is opened upon pressing the button:



Change the Po number and press Accept:



The Customer PO number is updated with the new one:

