



DSD Business Systems

Sage 100 Enhancements

S054

Sales Order/Invoice Line Item Sorting Options

SO-1054

Version 6.10



Information in this document is subject to change without notice.

Copyright 1993-2019, DSD Business Systems All rights reserved.

Sales Order/Invoice Line Item Sorting Options User's Manual
Version 6.10

11 September, 2019

DSD Business Systems
8787 Complex Drive
Suite 400
San Diego, CA 92123
858/550-5900 8:00am to 5:00pm PST
858/550-4900 Fax

Trademarks

ProvideX® is a Trademark of Sage Software.

Windows is a trademark of Microsoft Corporation.

Sage 100® is a registered trademark of Sage Software.

PXPlus® is a registered trademark of PVX Plus technologies

All other product names and brand names are service marks, and/or trademarks or registered trademarks of their respective companies.

This documentation and the software described herein, is prepared and published under license. Sage Software has not tested or verified either the software or any representation in this documentation regarding the software. Sage Software does not make any warranty with respect to either this documentation or the software described herein, and specifically disclaims any warranty, express or implied, with respect hereto, including the warranties of fitness for a particular purpose and merchantability.

Table of Contents

SECTION A: INTRODUCTION	5
WEB RESOURCES	5
SUPPORT	5
SALES ORDER/INVOICE LINE ITEM SORTING OPTIONS FEATURES	6
SECTION B: GETTING STARTED	7
REQUIRED LEVELS	7
INSTALLATION	7
DSD ENHANCEMENT CONTROL PANEL	9
SECTION C: SETUP	11
SECTION D: SYSTEM OPERATIONS	14
SORTING BY WAREHOUSE/BIN LOCATION/ITEM NUMBER	14
SORTING BY ITEM NUMBER	14
SORTING BY VENDOR NUMBER	14
SORTING BY ITEM DESCRIPTION	14
SORTING BY ITEM CATEGORY CODE	14
SORTING BY PRODUCT LINE/ITEM NUMBER	14
SORTING BY ITEM NUMBER/SO DETAIL UDF	14
REGARDLESS OF SORT	14
SALES ORDER ENTRY / S/O INVOICE DATA ENTRY – LINES TAB	15
WITH SO-1121	15
SECTION E: UNINSTALL DSD ENHANCEMENTS	16

Section A: Introduction

This manual contains a description and instructions for this DSD product. Operating instructions are included for the features added by this product to Sage 100. For instructions on using Sage 100, refer to the appropriate Sage 100 manual, or call your Sage 100 reseller. DSD Business Systems offers excellent Sage 100 support, at an hourly rate.

Web Resources

DSD web site: <http://www.dsdinc.com>

The Enhancement page contains:

- Current Release Schedule*
- Purchasing Information*
- Installation Instructions*
- Product Support*
- Enhancement Links*

S054 Sales Order/Invoice Line Item Sorting Options:

<http://www.dsdinc.com/enhancement/sales-orderinvoice-line-item-sorting-options-2>

The product web page contains:

- Product Description*
- Web Links*
- Current Product Version Table*
- Product Installation File Download*
- Product Manual in .pdf Format*
- Revision History*
- FAQ*

Support

DSD provides product support through Sage 100 resellers. Support is provided for the current version. Older versions are supported at an hourly rate. DSD's telephone number is **858-550-5900**. Fax: **858-550-4900**.

For a hard error, where the program displays an error dialog, report:

- Error number.*
- Program name.*
- Line number.*
- Program version.*
- Exact sequence that caused the error, including menus and menu selections.*

Other pertinent information.

If leaving a message or faxing, please include:

Your name.

Your phone number (and fax if applicable) and extension.

It is possible to be unable to duplicate a problem, because of data corruption or because we have not exactly duplicated a particular operating environment. In such circumstances, we can only continue to try to fix the problem if we can either access the system with Symantec PCAnywhere or by some other means access or duplicate the system.

Sales Order/Invoice Line Item Sorting Options Features

With this Extended Solution, Sales Orders and Sales Order Invoice lines may be sorted by:

- Item Number
- Warehouse/Bin Location/Item Number
- Item Category Code
- Vendor Number
- Item Description
- Product Line/Item Number
- Item Number/SO Detail UDF

The Sort may be set to occur during the conversion of a Sales Order to an Invoice, after exiting the Lines section of an Order or Invoice, or after exiting a Sales Order.

The Custom Office module must be Activated.

Section B: Getting Started



- **If you reinstall or upgrade one of the Sage 100 modules listed in the following table, you must also reinstall this Enhancement.**
- Enhancements from different Sage Developers are generally not designed to work together. If installed together, problems are likely to occur.
- **Check with DSD before installing more than one Enhancement.**

Required Levels

Sage 100 Module	Module Required	Required Level
S/O	Y	6.10
I/M	Y	6.10

Installation

1. **Back-up:** Exit all Sage 100 sessions. Back-up existing Sage 100 data.
2. **Check Levels:** Sage 100 module levels **must match** those listed above.
3. **Run Enhancement Setup Program:** Save the executable installation program (sent to you or downloaded from our website) in a convenient location on the Sage 100 server. Launch the program from Windows Explorer or by selecting Start/Run, and then browse for the file in the location you saved it. Follow on-screen instructions.
4. **Send your Sage Serial Number to your DSD Representative:** Send your Sage Serial Number to your DSD representative in order for us to send you back the encrypted keys to unlock your system. This serial number can be found in Library Master\Setup\System Configuration, Tab 3. Registration as Serial Number.
5. **Re-Start Sage 100:** Sage 100 will be updated.
6. **Unlock the Enhancement:** DSD Enhancements must be unlocked to run. When any part of the Enhancement is run for the first time, the **DSD Enhancement License Agreement and Activation** window will appear. Follow the steps shown on that window. *You can click the Help button for more detailed instructions.*

Note: On the next page is a screenshot of the DSD Enhancement License Agreement and Activation window.

After accepting the License Agreement, you can then select the type of unlocking that you'd prefer. The choices are File, Web, Demo and Manual Entry.

File Unlock: After receiving your encrypted serial number key file from DSD, and placing that file in the MAS90/SOA directory, selecting this option will unlock all products keys contained in the file. This means you can unlock all enhancements at once using this option.

Web Unlock: If the system that is running the DSD Enhancement *has web access* and you *have sent DSD your Sage Serial number*, you can unlock the Enhancement without assistance using Web Unlock. When this option is selected, the program will attempt to download encrypted serial number key file from DSD *and then proceed to unlock all enhancements contained in the file*.

- *The Sage 100 system that is being used must have web access for this option to be effective.*
- *You can send your Sage Serial Number to your DSD Enhancements sales representative.*

Demo Unlock: If a Demo mode is available for the Enhancement you're running, you will be able to Demo unlock the product without assistance from DSD for demo purposes.

- *Creating a Demo Unlock is a good way to temporarily unlock DSD Enhancements off-hours, if you do not have web or email access. Later, you can unlock the product fully, during business hours.*

Manual Entry Unlock: If you want to unlock a single enhancement using a single encrypted key, you can select this option and enter the 64 character key you receive from DSD by copy and paste.

Note: You can also unlock a DSD Enhancement through the **DSD Enhancement Control Panel** found on the Library Master Utilities Menu. Then, select the Enhancement with your mouse from the list of Enhancements and click the **Unlock Product** button on the right side of the window.

7. **Convert Data:** After unlocking, the DSD Conversion Wizard will appear. Follow on-screen instructions to complete data conversion. *You can exit the conversion program without converting data. The Enhancement will not proceed, however, until data is converted. If you enter an enhanced program and data has not been converted, the conversion program will run again.*

DSD Enhancement Control Panel

Starting with version 3.61, all DSD Enhancement products include DSD's Enhancement Control Panel. The **DSD Enhancement Control Panel is accessed from the Library Master Utilities menu.**

The DSD Enhancement Control Panel is a simple to use yet powerful system to help maintain DSD Enhancements installed on a Sage 100 system. To use it, select an Enhancement product from the list on the window and then click the button, on the right side of the window, which corresponds with the desired task.

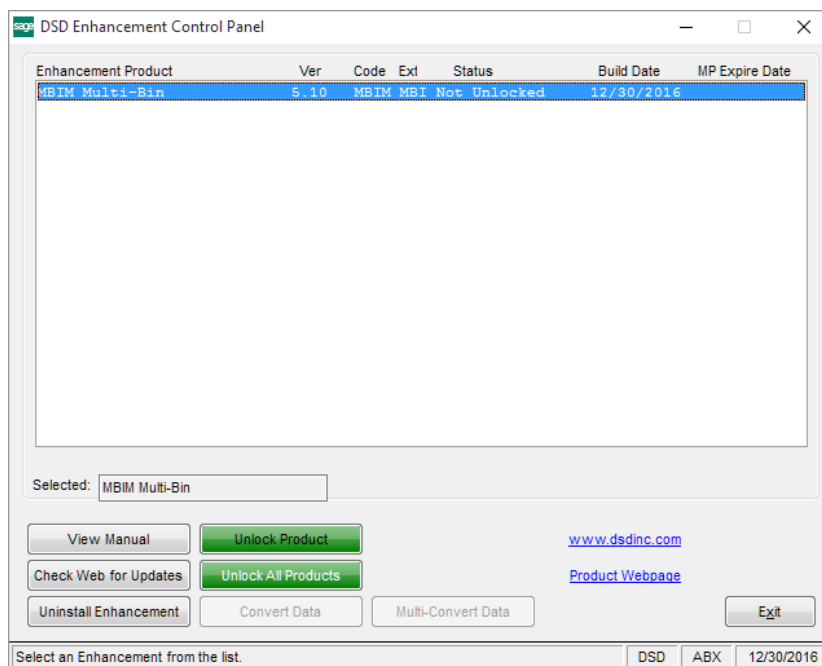
View Manual: This button will display the product manual for the selected Enhancement using Adobe Acrobat. For this to be possible, the PDF file for the corresponding manual must be in the "MAS90/PDF" folder in the Sage 100 system. If the file is not present, and the system has web access, the correct PDF file will be automatically downloaded from the DSD website, put into the "MAS90/PDF" folder and then displayed.

Check the Web for Updates: This button will check the DSD website to see what the current build is the selected Enhancement and alert the user if a later version is available. *This requires an internet connection on the Sage 100 system.*

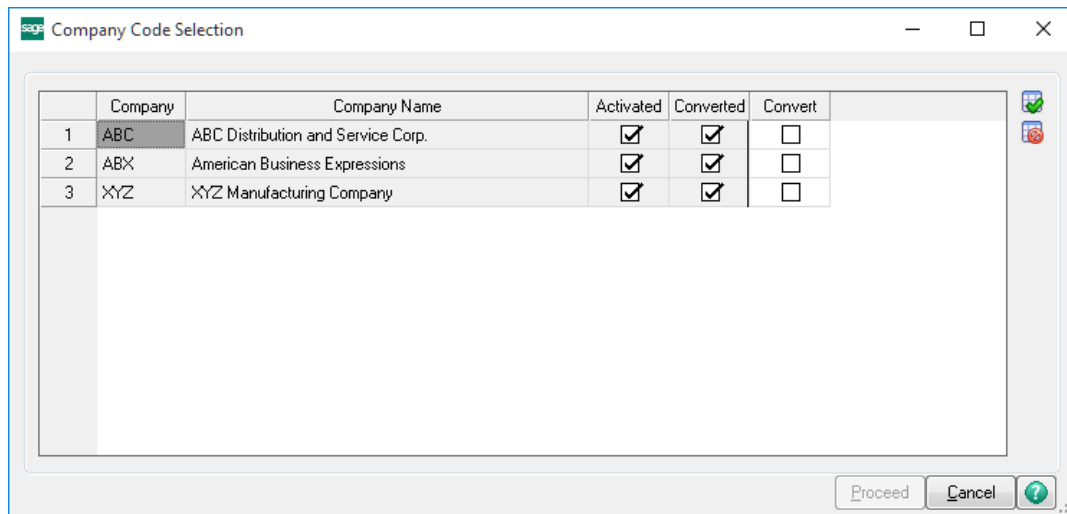
Unlock Product: This will cause the DSD Enhancement License Agreement and Activation window to appear. Using this window is described on the previous page. *This button is disabled if the selected Enhancement is already unlocked or if unlocking is not required.*

Unlock All Products: This will cause the DSD Enhancement All License Agreement and Activation window to appear. This window is similar to the one described on the previous page, but has only web and file as options to unlock. *This button is never disabled.*

Convert Data: After verification, the selected Enhancement's data conversion program will run. Data conversion is non-destructive, and may be triggered any number of times. Sometimes this is required to fix data records imported or updated from a non-enhancement installation.



Multi-Convert Data: Multiple Companies can be converted at the same time for a given Enhancement. *(If you have a large number of Companies to convert, please do in batches of 20 or fewer due to memory limitations.)*



Help: The Help button, located at the bottom right of the window, opens an HTML help file.

Get Adobe Acrobat: Opens the Adobe Acrobat website to the page where Acrobat can be downloaded and installed.

Uninstall Enhancement If this option is available, then selecting this button will start the un-install process, removing the enhancement from the system. (for more information see [Uninstall DSD Enhancements](#))

Section C: Setup

Upon completion of software installation, you will need to access the DSD Extended Solutions Setup from the Sales Order Setup menu. Select this part number and the Setup screen for this Extended Solution will appear. Check the 'Enable DSD Extended Solution' box to activate this Extended Solution.

SO-1054 Setup Options

Sales Order/Invoice Line Item Sort Options

Enable DSD Extended Solution ☒ Level 6.10

Sort by: Item Number Prompt before Sort ☐

Sort UDF:

Sort after: Sales Order and Invoice Line Entry Default Response: Yes

Sales Order Types to Sort: All

Restrict Sorting by Customer UDF:

Item Category: 1 COLOR

Item Category Value: All values

Move Unassociated Comments to the: All Comment(s) Move(s) with Associated Item Number(s)

Move Unassociated Comments to the: Bottom Leave Last Comment Line on the Bottom ☐

Accept Cancel

DSD ABC 9/11/2019

Answer the following prompts:

Sort By: Select from the drop box the order in which you want the lines sorted:

- Item Number
- Warehouse/Bin Location/Item Number
- Item Category Code
- Vendor Number
- Item Description
- Product Line/Item Number
- Item Number/SO Detail UDF

If you selected the Item Number/SO Detail UDF sort option above you will have access to this option:

Sort UDF: Specify the String type S/O Detail UDF (maximum length of 30 characters). You will need to have a corresponding SO Invoice Detail UDF setup as well in order for invoice sorting to take place.

Sort After: Select from the drop box the event after which you would like the sort activated:

- Converting an order to an invoice
- Sales order line entry
- Invoice line entry
- Sales order and invoice line entry
- Exiting a completed Sales Order
- Sort Button is Pressed Only

Prompt Before Sorting: Check this box if you wish to be prompted for line item sorting. Leave it blank if you want sorting to take place automatically.

If you checked Prompt before Sorting, you will have access to this option:

Default Response: Specify Yes or No as your default answer to the 'Do You Want To Sort Line Items On This Order?' prompt.

If you choose to sort by Vendor Number, an additional prompt becomes available:

Order Type To Sort: Select the Order Type you wish to sort: Backorder, Master, Repeating, Quote, Standard or 'All.'

If you choose to sort by Item Category Code, the following prompts will be available:

Restrict Sorting by Customer UDF: Specify the checkbox type Customer UDF you wish to use to restrict item sorting. Only orders or invoices for customers that have the specified Customer UDF checked will be selected for item sorting. Leave this field unchecked if you do not wish to restrict the sorting by customer

Item Category: Enter the Item Category (1-4) you wish to use.

Item Category Value: Enter the value by which you want to select lines for sorting. Only Inventory items with the specified category value will be selected for sorting. Leave this field blank to sort inventory regardless of the category's value.

If you choose to sort by Item Number, Bin Location, Vendor Number, Line Item Description or Product Line / Item Number the following prompts will be available:

Comments Move with Associated Lines: Select from the drop box the method in which you want Comment lines to sort

- All: all comment lines (up to the next non-comment line) follow the previous line.
- First: only the first comment line follows the previous line
- None: if you do not want to have comment lines follow any previous lines

Move Unassociated Comments to The..: Select Top or Bottom from the drop box as the location in the grid for all non-associated comment lines to sort.

Leave Last Comment Line On Bottom: Check this box if you wish the last line in the grid when it is a comment line to remain where it is. Uncheck this box to treat this comment line according to your answers to the previous prompts.

You should visit this Setup screen after each upgrade or reinstallation of this Extended Solution.

Role Maintenance

The following Task has been added to Sales Order, Setup Options:

- Extended Solutions Setup

Please review your security setup in Role Maintenance and make appropriate changes.

Section D: System Operations

Sorting by Warehouse/Bin Location/Item Number

Non drop ship lines without bin locations and warehouses will sort to the top of the grid. Then all non drop ship inventory lines will sort alphanumerically by warehouse, then bin location then item number. All Drop-Ship lines will sort to the bottom.

Sorting by Item Number

All inventory lines will sort alphanumerically by Item Number. Miscellaneous Items, Miscellaneous Charges, Special Items and comments not associated with an Item Number will sort next with Drop Ship Items sorted to the bottom.

Sorting by Vendor Number

Miscellaneous Items, Miscellaneous Charges, and Special Items sort to the top of the grid followed by Inventory Items sorted alphabetically in Primary Vendor order.

Sorting by Item Description

All non comment lines will be sorted alphabetically by Item Description.

Sorting by Item Category Code

If you selected this option, and left the Category Value in setup blank, then all inventory items will be sorted in the order of their specified Inventory Category Code value.

If you selected this option, but defined a Category Value in setup then only those inventory items which contain that value will be *selected for sorting*, and will then sort alphanumerically in Item Number order. Any lines not specifically selected for sorting will sort to the bottom of the grid in the order in which they appeared on the grid prior to sorting.

Sorting by Product Line/Item Number

All inventory lines will sort alphanumerically first by Product Line then by Item Number. Miscellaneous Items, Miscellaneous Charges, Special Items and comments not associated with an Item Number will sort to the bottom of the grid in the order in which they appeared on the grid prior to sorting.

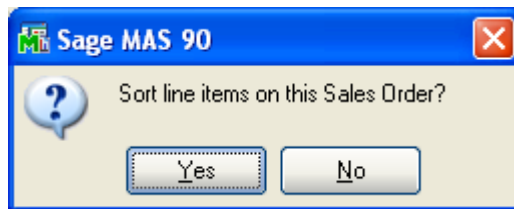
Sorting by Item Number/SO Detail UDF

The lines on the order will be sorted in descending Item Code order, and within an Item Code, in descending UDF order for all non-comment line types.

Regardless of sort

Component lines created from Kit explosion will be placed directly below the corresponding Kit line, and will remain in their original order.

If you elected to prompt before sorting in setup, you will be prompted to sort line items on this invoice/order.



If you answer 'No' to this prompt, then the sorting of line items will not take place. If you answer 'Yes' to this prompt, then the line items will be sorted by the option selected during Setup.

If you are using the Item Category Code sort and have denoted a Customer UDF you will only get this prompt if the customer qualifies for sorting. Same with the Vendor Sort when the order type does not match the type specified in Setup.

Sales Order Entry / S/O Invoice Data Entry – Lines Tab

A new **button** has been added to the top of the lines tab of Sales Order Entry and S/O Invoice Data Entry, When selected, the lines will auto-sort.

 A screenshot of the 'Sales Order Entry (ABC) 5/12/2015' window. The 'Lines' tab is selected. At the top, there are buttons for 'Copy from...', 'Defaults...', 'Customer...', and 'Credit...'. Below these are tabs for '1. Header', '2. Address', '3. Lines', '4. Totals', and '5. Credit Card'. The 'Lines' tab shows a table with columns: Item Code, Ordered, Back Ordered, Unit Price, Extension, and Comment. The table contains 7 rows of data. Below the table is a 'Quick Row' button. At the bottom right, there is a 'Total Amount' field showing '1,105.95'. At the bottom, there are buttons for 'Print Order...', 'Print Pick...', 'Recalc Price', 'Accept', 'Cancel', 'Delete', and a help icon.

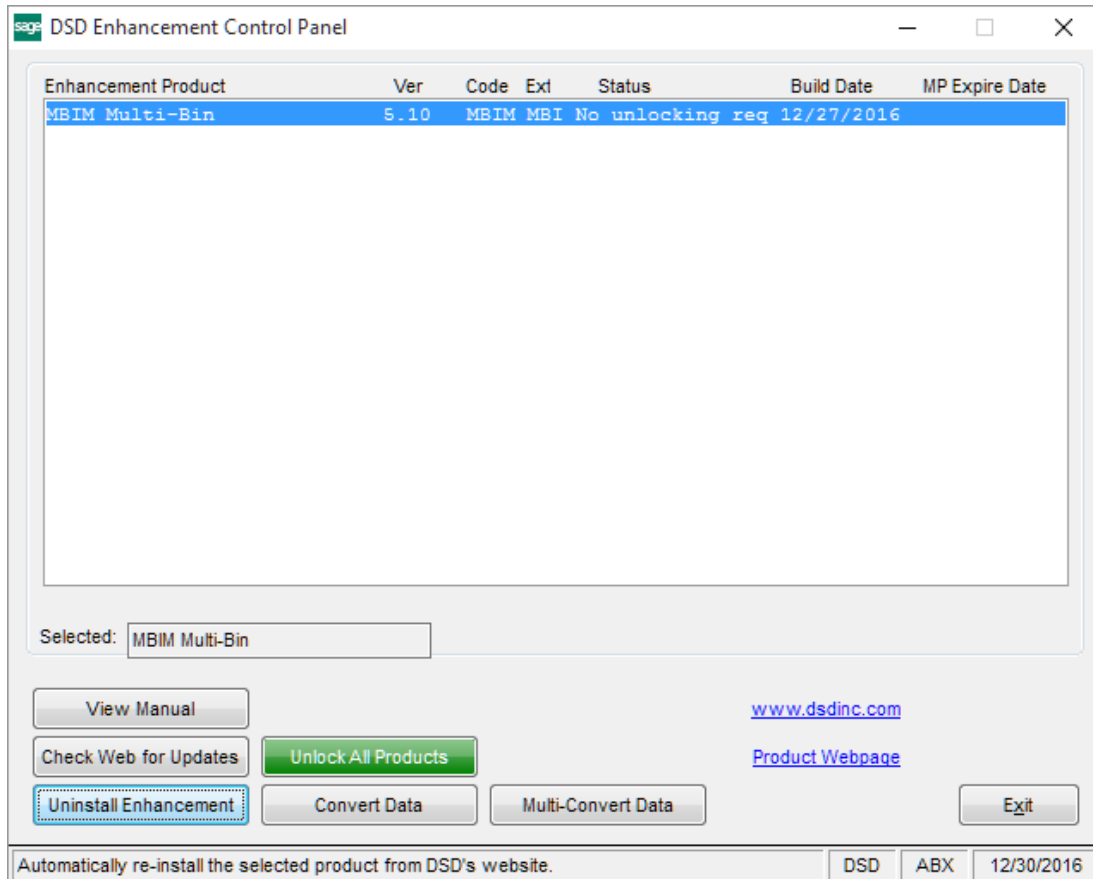
	Item Code	Ordered	Back Ordered	Unit Price	Extension	Comment
1	1001-HON-H252	1.00	.00	84.000	84.00	
2	1001-HON-H252LK	1.00	.00	87.000	87.00	
3	1001-HON-H254	1.00	.00	131.000	131.00	
4	2551-3-50	1.00	.00	24.950	24.95	
5	6655	1.00	.00	179.000	179.00	
6	AM/FM STEREO	1.00	.00	600.000	600.00	
7		.00	.00	.000	.00	

With SO-1121

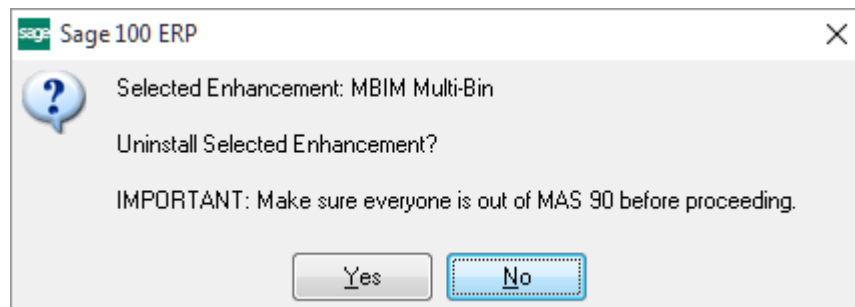
If you have selected to sort lines during or after Invoice creation, that feature will be disabled when Sage Extended Solution SO-1121, *Multiple Sales Orders on a Single Invoice* is detected. This will occur for any Invoice originating from a sales order regardless of whether SO-1121's merge feature was used. Invoices which do not reference sales orders will still sort per the logic documented above.

Section E: Uninstall DSD Enhancements

A DSD Enhancements Uninstall Utility has been provided for the purposes of removing DSD Enhancements from your Sage 100 System. This utility may be accessed from the **DSD Enhancement Control Panel** menu option on the **Library Master / Utilities** menu.

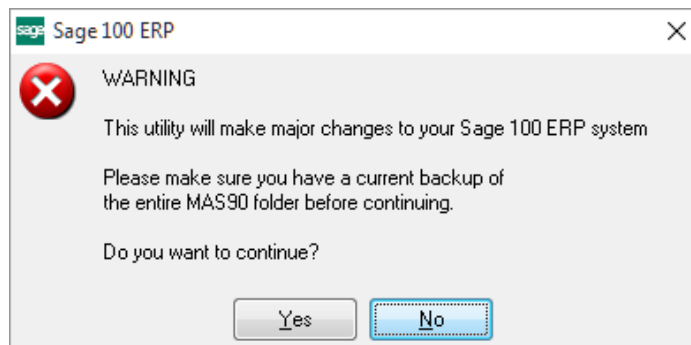


When accessing the **DSD Enhancement Control**, select the enhancement that you wish to Uninstall, and then select the **Uninstall Enhancement** button. The following message box will appear:



Select **No** to exit the Uninstall Process.
Select **Yes** to continue with the Uninstall Process.

The following message box will appear, to remind you that a complete backup of your entire Sage 100 system should be completed prior to uninstalling a DSD product.



Select **No** to exit the Uninstall Process.

Select **Yes** to continue with the Uninstall Process.

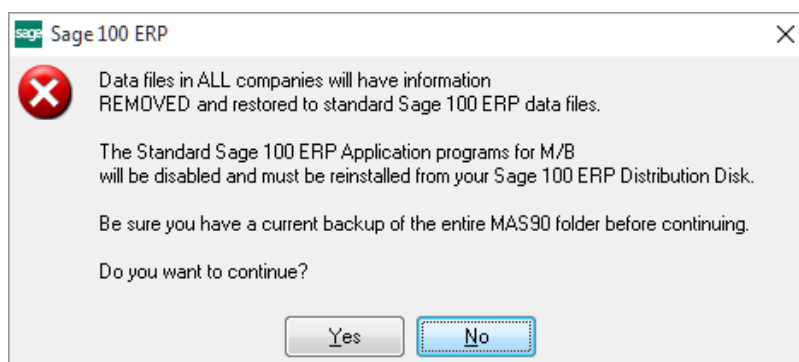
After the Uninstall of the DSD Enhancement, you MUST reinstall certain standard Sage 100 modules, followed by reinstallation of Product Updates and Hot Fixes, if applicable.

A message box will appear, and will display which of those specific Sage 100 modules you must reinstall afterwards.

Select **No** to exit the Uninstall Process.

Select **Yes** to continue with the Uninstall Process.

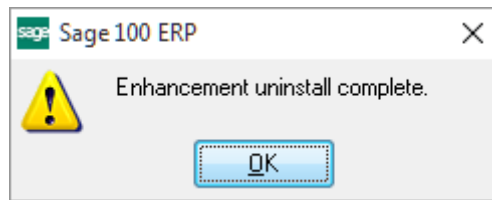
The following message box will appear, displaying the final warning message.



Select **No** to exit the Uninstall Process.

Select **Yes** to continue with the Uninstall Process. At this point, the DSD Enhancement will be removed from the Sage 100 system.

After completion of the Uninstall, the following message box will appear. Select OK to continue.



Now that the Uninstall process is completed, you must:

- Reinstall the applicable standard Sage 100 modules
- Reinstall the latest Sage 100 Service Pack/Updates, if applicable.
- Reinstall any other DSD Enhancements or Developer products that are affected from the reinstallation of the standard Sage 100 module(s).