



DSD Business Systems

Sage 100 Enhancements

MBWO

DSD / ScanForce Multi-Bin for Work Order

Version 6.20



Information in this document is subject to change without notice.

Copyright 1993-2020, DSD Business Systems All rights reserved.

DSD / ScanForce Multi-Bin for Work Order User's Manual
Version 6.20

28 June, 2020

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
DSD / SCANFORCE MULTI-BIN FOR WORK ORDER FEATURES.....	6
SECTION B: GETTING STARTED	7
REQUIRED LEVELS.....	7
INSTALLATION	7
DSD ENHANCEMENT CONTROL PANEL.....	9
SECTION C: SETUP	11
SECTION D: OPERATIONS	12
WORK ORDER TRANSACTION ENTRY – MATERIAL ISSUE.....	12
WORK ORDER TRANSACTION ENTRY – COMPLETION.....	13
SECTION E: UNINSTALL DSD ENHANCEMENTS	14

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*

MBWO DSD / ScanForce Multi-Bin for Work Order:

<http://www.dsdinc.com/enh/pages/MBWO.htm>

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.

DSD / ScanForce Multi-Bin for Work Order Features

The DSD / ScanForce Multi-Bin for Work Order enhancement to the Multi-Bin Module provides advanced features for processing Multi-Bin transactions in the Work Order Module.

The Multi-Bin Management Module from DSD Business Systems is designed to work exclusively with the ScanForce Warehouse Management Solution or as a stand-alone solution. For more information on the ScanForce Warehouse Management Solution visit www.scanforce.com.



Section B: Getting Started

CAUTION

- **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
I/M	Y	6.20
M/B	Y	6.20
W/O	Y	6.20

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.*

The screenshot shows a software window titled "DSD Enhancement License Agreement and Activation". The window contains the following elements:

- License Agreement:** A scrollable text area containing the text: "YOU MUST READ THIS AGREEMENT COMPLETELY AND AGREE BEFORE PROCEEDING. SCROLL THROUGH THIS AGREEMENT USING THE SLIDER CONTROL. IMPORTANT: THIS SOFTWARE IS LICENSED BY DSD BUSINESS SYSTEMS, INC. TO CUSTOMERS FOR THEIR USE ONLY IN ACCORDANCE WITH THE TERMS SET FORTH IN THIS CUSTOMER LICENSE AGREEMENT. OPENING OR USING THIS PACKAGE CONSTITUTES ACCEPTANCE OF THESE TERMS. IF THE TERMS OF THIS LICENSE ARE NOT ACCEPTABLE, THE CUSTOMER MAY OBTAIN A FULL REFUND OF ANY MONEY PAID IF THIS UNUSED, UNOPENED PACKAGE IS RETURNED WITHIN TEN (10) DAYS TO THE DEALER FROM WHICH IT WAS ACQUIRED."
- Step 1: Agree to License Agreement**
 - Radio buttons for "Agree" (selected) and "Disagree".
- Step 2: Select Unlocking Type**
 - Radio buttons for "Web", "File", "Demo", and "Manual Entry" (selected).
- Step 3: Call DSD at 858-550-5900**
 - Text: "Have this information ready:"
 - Input fields for "End User Name" (containing "DSD Business Systems") and "Serial Number" (containing "0555188").
- Step 4: Enter the following from DSD**
 - Text: "Activation Key:" followed by an empty input field.
 - Text: "Click to Unlock:" followed by an "Unlock Product" button.
- Buttons:** "Help" and "Exit" buttons are located at the bottom of the window.
- Status Bar:** Shows "ABC" and "4/28/2010".

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.

- Convert Data:** After registration, the Data Conversion window 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.**

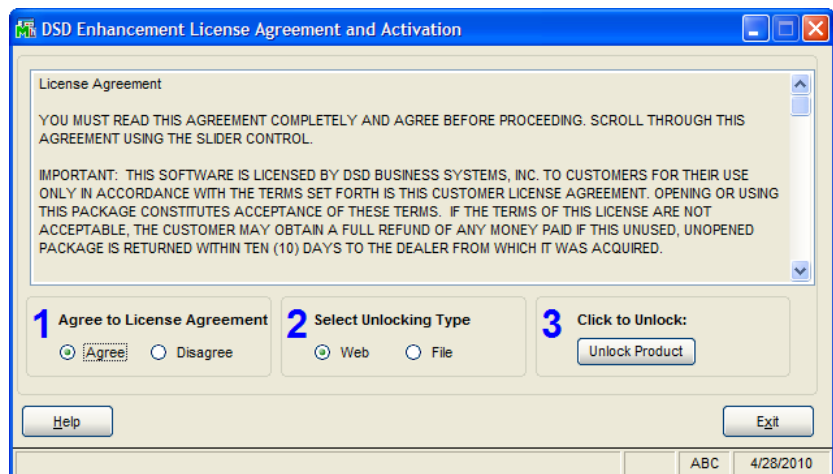
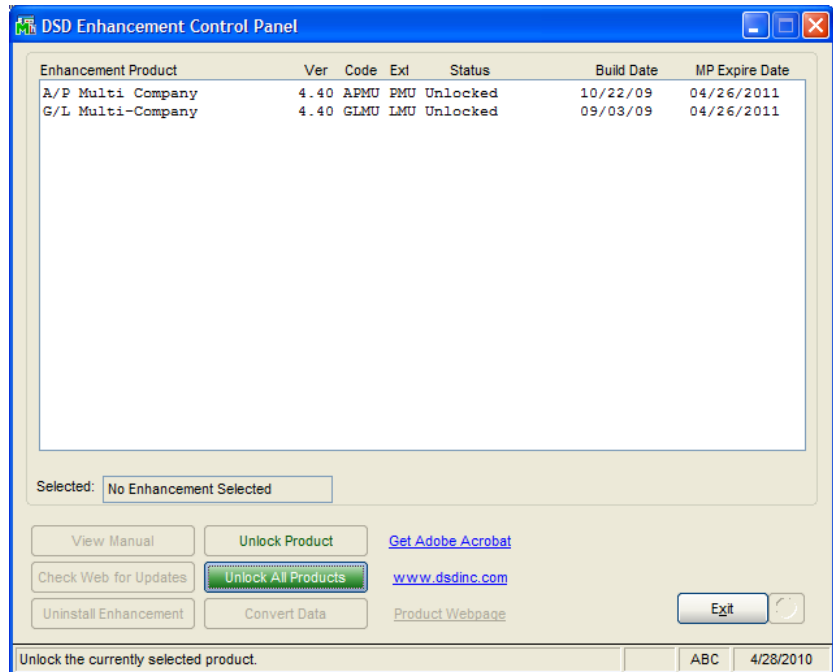
The DSD Enhancement Control Panel is a simple to use yet powerful system to help maintain DSD Enhancements installed on a Sage 100 system. To use it, select an Enhancement product from the list on the window and then click the button, on the right side of the window, which corresponds with the desired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

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 Enhancements 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.

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.

There are also links to the DSD website and the Enhancement page on that site.

Section C: Setup

DSD / ScanForce Multi-Bin for Work Order requires that the Multi-Bin Inventory Management module be activated and setup.

It is important to review transaction restriction settings in Location Type Maintenance and Bin Location Maintenance as well as Allocation settings in Warehouse Bin Maintenance when adding DSD / ScanForce Multi-Bin for Work Order. For more information on these settings, please refer the MBIM Multi-Bin Inventory Management manual.

Section D: Operations

Work Order Transaction Entry – Material Issue

With MBWO installed, Work Order Transaction Entry for Material Issues is modified to allow Bin Location Distribution and Lot Serial/Distribution for Component Items. Allocations can be either made manually (by selecting the Lot/Serial/Bin Distribution button) or automatically based on the allocation settings in Warehouse Bin Maintenance.

If Auto Allocations are enabled, these allocations will also occur for auto-generated backflush and auto-issued material issues.

The screenshot displays the 'Work Order Transaction Entry' window with a 'Material Issue' transaction. The transaction number is 0000216. The current step is 'Assemble Chassis' (Step No. 0000) with an average cost of 492.583. The item being issued is 'BOARD-04230-33' (80846DX4 BOARD 100MHZ) in a quantity of 10.00. A distribution dialog box is open, showing a list of bin locations and serial numbers for distribution.

Line	Work Order	Step	Subst. Matl.	Item Number	Whse	U/M	Issue Quantity	Dist.
1	0095016	0000	N	BOARD-04230-33	000	EACH	10.00	Y

Bin Location	Serial Number	Available	Distribute
4 E2-431	1000301	0.00	1.00
5 E2-431	1000302	0.00	1.00
6 E2-431	1000303	0.00	1.00
7 E2-431	1000304	0.00	1.00
8 E2-431	1000305	0.00	1.00
9 E2-431	1000306	0.00	1.00
10 E2-431	1000307	0.00	1.00
11		0.00	.00

The distribution dialog also shows the item code 'BOARD-04230-33', unit of measure 'EACH', and warehouse code '000 MAIN WAREHOUSE'. The distribution order is set to 'Bin Location First' with a balance of 0.00.

Work Order Transaction Entry – Completion

Work Order Transaction Entry for Completions is modified to allow Bin Location Distribution and Lot Serial/Distribution for Completion (Parent) Items. Allocations can be made either manually (by selecting the Distribute button) or automatically based on the allocation settings in Warehouse Bin Maintenance.

Note: Standard Sage 100 only allows for completions to one Lot Number or one starting Serial Number. MBWO has modified the completion distribution so that items can be completed to multiple Lot/Serial Number and Bins.

The screenshot shows two overlapping windows from the Sage software. The background window is titled "Work Order Transaction Entry" and displays a completion transaction for item BOARD-04230-33. The foreground window is titled "Lot/Serial Number / Bin Location Distribution" and shows a table for distributing the item's quantity across different bin locations and serial numbers.

Work Order Transaction Entry Details:

- Transaction No.: 0000220
- Type: Completion
- Original Item Number: BOARD-04230-33
- Description: 80846DX4 BOARD 100MHZ
- Rev: 000
- Effective Date: 11/21/2016
- Work Order No.: 0095027
- Complete to: Inventory
- Complete Item Number: BOARD-04230-33
- Quantity: 4.00
- U/M: EACH
- Warehouse: 000
- Costing: Serial
- Buttons: OK, Undo, Distribute...

Lot/Serial Number / Bin Location Distribution Table:

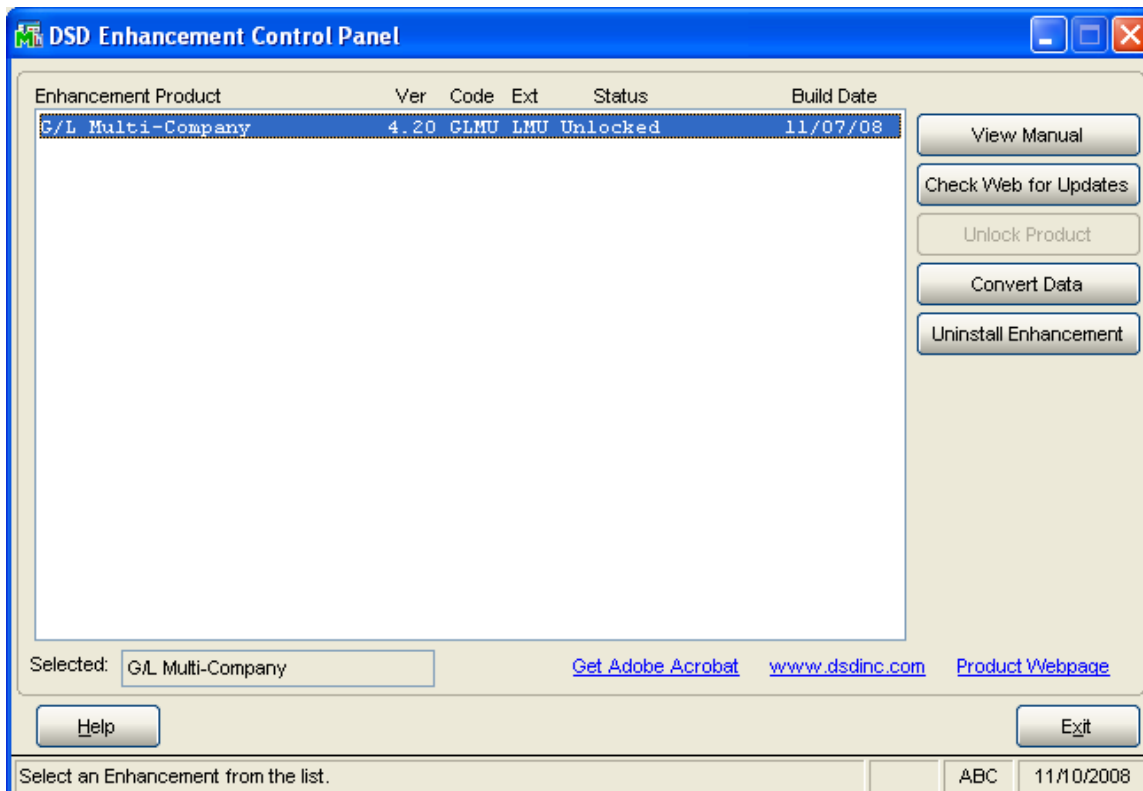
	Bin Location	Serial Number	Available	Distribute
1	E2-431	10000303	0.00	1.00
2	E2-431	1000301	0.00	1.00
3	E2-431	1000302	0.00	1.00
4	E2-431	1000303	0.00	1.00
5			0.00	.00

Additional Settings:

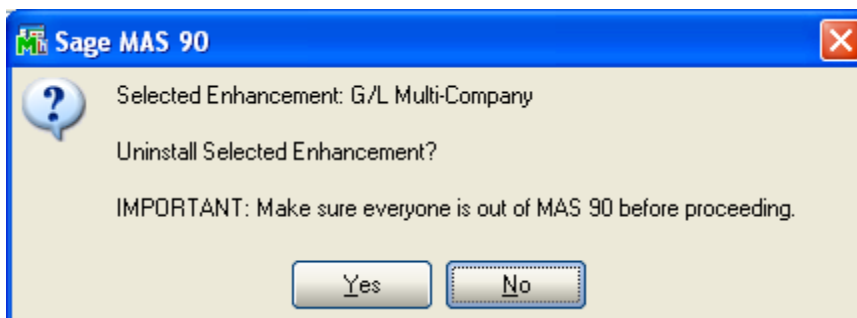
- Item Code: BOARD-04230-33
- Description: 80846DX4 BOARD 100MHZ
- Unit of Measure: EACH
- Warehouse Code: 000
- Main Warehouse: MAIN WAREHOUSE
- Distribution Order: Bin Location First
- Default to Prior Row:
- Distribution Balance: 0.00
- Buttons: OK, Cancel, Help

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.

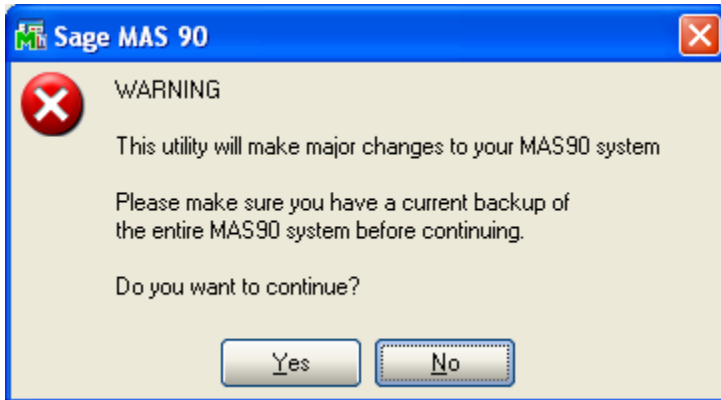


When accessing the **DSD Utility Suite**, select the enhancement that you wish to Uninstall, and then select the **Uninstall Enhancement** button. The following message box will appear:



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

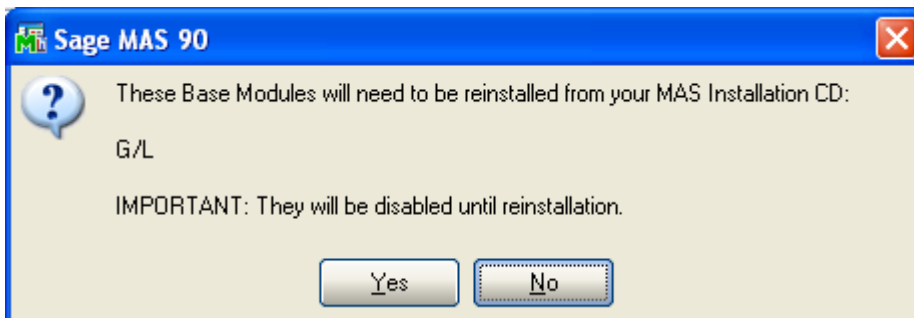
The following message box will appear, to remind you that a complete backup of your entire Sage 100 system should be completed prior to uninstalling a DSD product.



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 MAS Service Packs / Updates, if applicable.

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

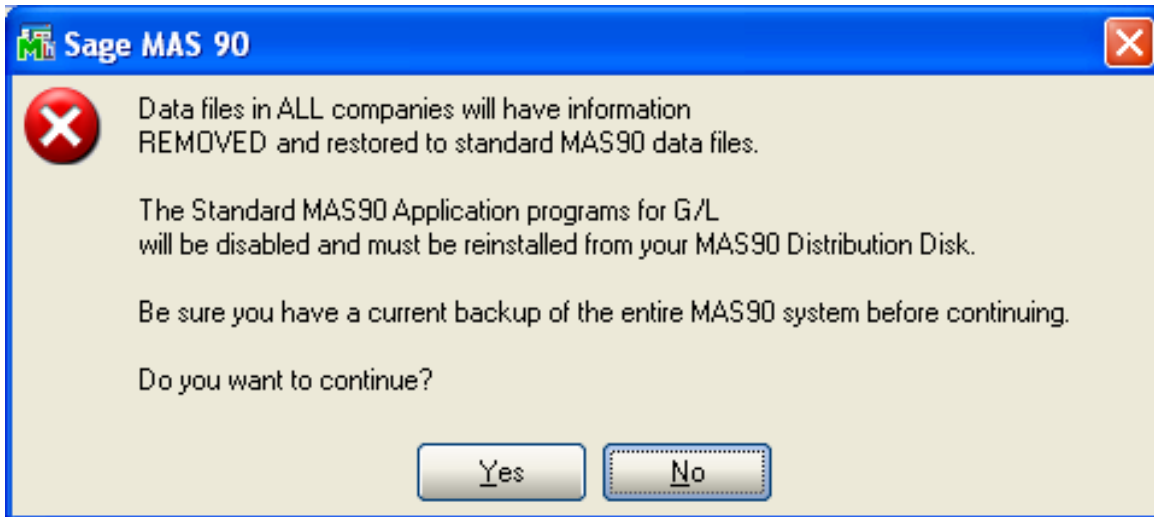


Select **No** to exit the Uninstall Process.
Select **Yes** to continue with the Uninstall Process.

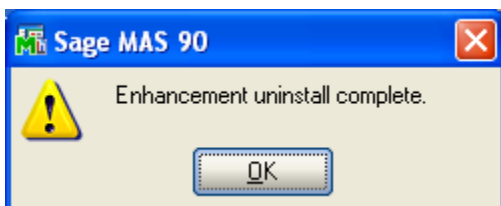
The following message box will appear, displaying the final warning message.

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).