



Title of document	How to Set Up a Stock Item for Manufacturing
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Purpose

Different preferences for manufacturing are available in SQLWorks when you set up a new stock item to be manufactured. This procedure details the various options that can be set in the Stock Ledger, for stock items used in a production of another part.

Scope

This procedure applies to any prospective customers or clients who intend to utilise SQLWorks within their business environment. The procedure is aimed at the end user, who will be operating the SQLWorks client for the first time.

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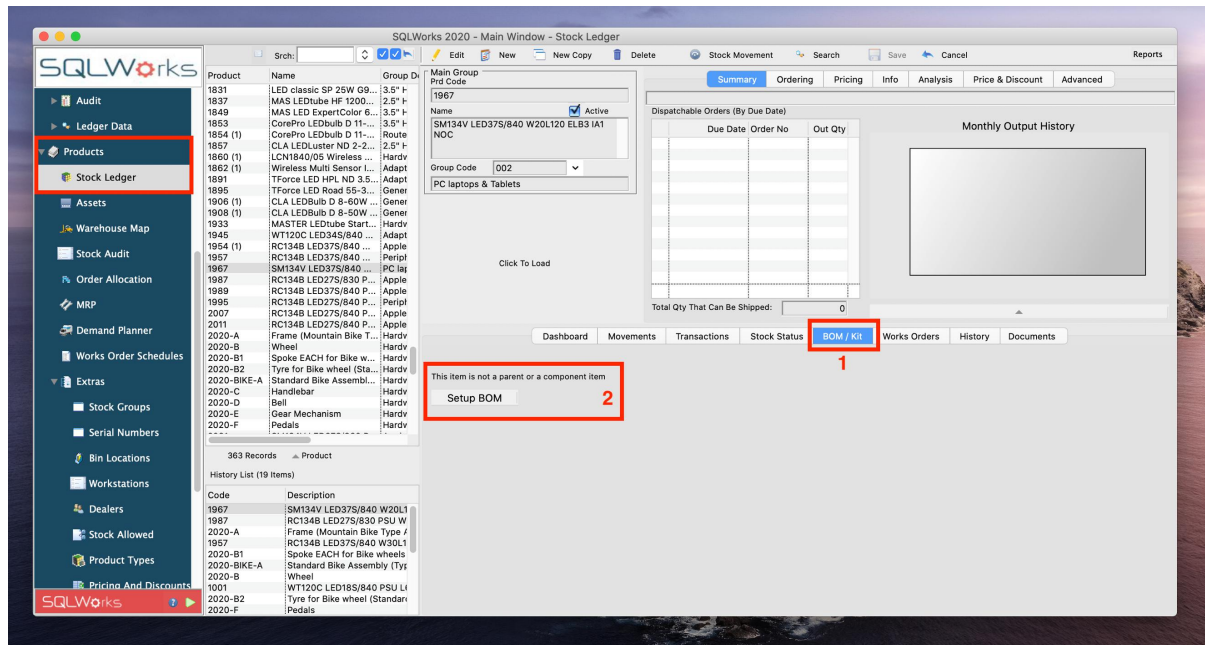
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Change History:

Date	Version	Created by	Description of change	Approved by
08.07.2020	1	Jevon Whitby		
12.08.2020	2	Naomi Williams	Set on new procedure template and additional edits and images	

Where to find and build a BOM

The BOM tab can be found in the Stock Ledger, via the Products module in the Navigation bar. Many tabs can be made visible or hidden using a right click, the tabs available to you will be set by your user privileges.



Turn on BOMs

1. To give a stock item a Bill of Materials (BOM), select your stock item from the Product list or History List in the Stock Ledger, and click the BOM/Kit Tab. For more information on Bills of Materials, please read our [Introduction to BOMs](#) guide.
2. If the 'BOM / Kit' tab is unavailable, right click on the row of tabs and select 'BOM/Kit' to enable this tab first.

By default, parts are not set up for manufacturing - to turn this into a manufactured part with sub-components, click 'Setup BOM.' This will open the BOM window, allowing you to start creating the Bill of Materials for this item.

There are also other settings that can be set for this stock item by selecting the Setup BOM, which will be explained shortly.

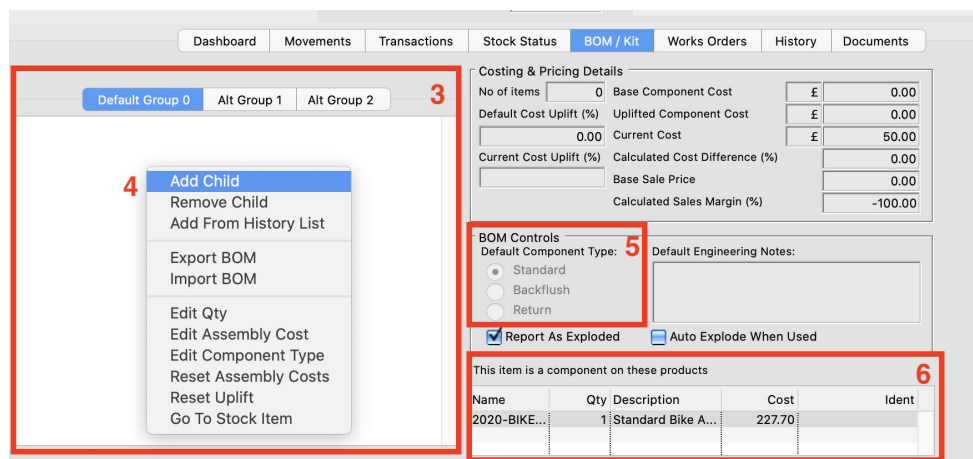
Building your BOM

3. You can have up to 3 different BOMs set up for each stock item, shown by the 3 tabs across the top of the window.
4. To add a child component to your parent part, right click and select 'Add Child' or 'Add from History List' if you have recently browsed the child items. This will add the item to this window, if you need to amend the qty of this item, this can be be done with a right click on that line item by selecting 'Edit Qty'.

There are other options within the right click menu for edits of child items such as;

- amending the assembly cost uplift,
- the component type of the item,
- or going to the stock item itself, if you needed to change the price for example

It is also possible to import your BOM data from external software or a spreadsheet and Export the BOM information into an excel document.



Setting Component Type - BOM Controls

5. Each manufactured item has one of three default component types - this defines how component stock is used/taken during the manufacturing process.

Standard

Component quantity is taken from stock (moved to build location) before production begins.

Backflush

When stock is built you are prompted to confirm the quantity that is to be deducted from stock. This is useful for components not easily allocated in advance - like large numbers of small parts, liquids, material lengths etc.

Return

Component quantity is taken from stock as standard, but when production completes you are prompted to specify the final usage qty so that any excess is returned to stock. This is useful for components that may fail during the construction process i.e. items will be over-issued and stock assignment will reflect 'typical' rather than 'minimum' usage.

6. If this stock item is a child component of another parent part, it will show here.

Ordering tab explained

In the Ordering tab you can set a few additional preferences for this stock item.

The screenshot displays the 'Ordering' tab in the SQLWorks software. The interface is divided into several sections:

- Product List (Left):** A list of products with columns for Product, Name, and Group. The selected item is '2020-B2 Tyre for Bike wheel (Standard)'.
- Main Form (Center):**
 - Summary Tab:** Contains fields for 'Availability Group' (set to All), 'Info Group' (set to Non Stocked Item), 'Default Warehouse' (set to 100), 'Default In Bin' (set to 100), 'Launch Date' (set to 2 Jun 2020), 'Qty Control Group' (set to Auto), 'Default Resupply Method' (set to Auto), 'Reorder Qty' (set to 2), 'Low Level Alerts' (set to 0), 'Resupply Extra' (set to 0), 'Min Purchase' (set to 0), and 'Low Level 1' (set to 0).
 - Ordering Tab:** Contains fields for 'Supplier Group' (set to AdSlide.com BIKE PARTS), 'Order Code A', 'Lead Time A' (set to 0 days), 'Supplier B', 'Order Code B', 'Lead Time B' (set to 0 days), 'Supplier C', 'Order Code C', and 'Lead Time C' (set to 0 days).
- Costing & Pricing Details (Bottom Right):** A table showing costs for various items, including 'No of Items', 'Base Component Cost', 'Default Cost Uplift (%)', 'Uplifted Component Cost', 'Current Cost', 'Current Cost Uplift (%)', 'Calculated Cost Difference (%)', 'Base Sale Price', and 'Calculated Sales Margin (%)'.
- BOM Controls (Bottom Left):** A section for 'Default Component Type' (set to Standard) and 'Default Engineering Notes' (set to Report As Exploded).

1. Default Resupply Method

Each stock item can have a specific "Re-supply Method" that determines how to resupply the item: This setting can be found by selecting the stock item, and can be amended by clicking the 'edit' button at the top of the screen.

If set to AUTO, the item will resupply via WO if that item has a BOM, otherwise a PO will be made to purchase from the default supplier.

If set to WO, this informs SQLWorks that when there is new demand, Works Orders should be created to make more of this item (rather than purchasing it from a supplier.) This also helps to speed up the MRP process as it does not need to check for the presence of a BOM.

If you set to PO, a PO will be made regardless of whether there is a BOM for that item. If an MRP run attempts to create a PO when no supplier is specified, you will be alerted to these errors and asked to correct the data.

2. How to set Supplier

If you know the Supplier of this item you can enter this to the right, you can set a default supplier, but you do have the option of adding an additional 2 suppliers to this item if you want to.

3. Reorder Level

This is where you can set the reorder level to ensure you always have a minimum level kept in stock, the MRP run will detect this and create the necessary orders to maintain this level in your warehouse.

4. Default Warehouse/Bin

All stock items have a default Warehouse that they are booked out of and into by default – this can be set under the 'Ordering' tab of the stock item by clicking 'Edit' in the top toolbar and selecting a new default warehouse from the dropdown menus.

Please note that the default "in bin" location is for the receipt of POs and is not the WO "build to" location. When creating a WO the "build to" bin location is set to the default "build to" bin for the warehouse, however the default "in bin" location is used if component stock is returned during the WO manufacturing process.

If you wish to draw stock from a different warehouse, or place newly manufactured/returned items into a different location from the default, you must set these here. To amend the default build to location you must edit the 'Build to' bin of the warehouse itself in 'Warehouse Map' which can be found just below the Stock Ledger on the Nav bar.

These processing locations can also be overridden for just a specific order (Sales/Purchase/Works) within the detail of that order window.

If any amends are made Click 'Save' at the top to save these changes.



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