

Part Number Change Utility User Manual

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Part Number Change Utility

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Part Number Change Utility Overview

The Part Number Change Utility will change part number 'A' to part number 'B' on all files within the Manman system. It also has an option to 'merge' history on two or more part numbers.

The benefits include:

- Convert part numbers from a long cumbersome format, to a short easy-to-enter format.

- The part number change includes all datasets in Manman, Omar, Shipping History, and Accounts Payable.

- The part number is changed in the manufacturing Transaction Log.

- For users that use top level bill of material (TOPFIL) products, an Omar utility to change product numbers that do not reside in Manufacturing is provided.

- You may change the part number to another part number that is already on file. This 'merges' the history of the two part numbers together on to a single part number. This feature is especially helpful if two part numbers were initially set up for nearly identical material, and now only a single part number is needed.

- Assists you with your data cleansing or preparation for migration.

New Features of Release 2.0

Support for additional Manman Modules

The data bases for Manman/Engineer and Manman/Repetitive have been added to the Part number change utility command MG, UT, 175.

Manman Modules Supported

The first release of the Part Number Change Utility does not encompass all of the Manman Modules offered. It does support the 'core four' packages, and the Manman modules listed below.

If you have own one of the modules listed under the 'not supported' category, please contact us. We will add that Manman module into the Part Number Change Utility.

Manman Modules Supported

Manufacturing

Engineer

Repetitive

Omar

Accounts Payable (INRCTFIL)

Tracker

G/L (there are no part numbers in G/L)

Manman Modules Not Supported

Projects

Service

Quality

MG,UT,175 Part Number Change Utility

The purpose of the Part Number Change Utility is to change the value of one part number to another. This will allow you to change cumbersome part number formats to a simpler and more easy to enter part number format.

The program will also allow you to change a part number, to a part number that is already on file. Doing so will 'merge' the history of the two parts on file.

A report is created which will list the old part number, description, and new part number provided.

It is recommended that if you will be using this utility to change a large number of part numbers, that you schedule MG,UT,800 to run after UT,175 is finished to rebuild your sorted parts list file. The sorted parts list file is not updated by this program and the old part number will reside in the sorted parts list until UT,800 is run.

Depending on the size of your HP3000 System, the processing time for a part number change could be lengthy. We recommend that you review the 'batch processing considerations' section at the end of the manual.

We also recommend that you insure that you have a backup that you could go restore from in the event that the process is terminated prematurely.

Prompts

Displays output options.
OPTION (0)?

If comin variable 100 is turned on that you use Omar, the following prompt appears:

OMAR UPDATE OPTION:

1. DO NOT UPDATE OMAR
 2. UPDATE PART NUMBER VALUES IN TOPFIL AND SHDFIL ONLY
 3. UPDATE PART NUMBERS AND PRODUCT NUMBERS IN OMAR
- OPTION(1)?

If you select option number 1, the Omar FINDB and Shipping history data base HISDB will not be updated.

If you select option 2, then the part number fields in TOPFIL and the shipping history detail file SHDFIL will be updated. The product number fields in Omar will not be updated. This option is using chosen by customers that make extensive use of the top level bill of material in Omar (TOPFIL).

If you select option 3, then the product number fields and the part number fields will be updated with the new part number value. This option is used when the product number field in Omar is equal to the Part number field in Manufacturing.

OLD PART NUMBER? xxxxxxxxxxxx
NEW PART NUMBER? yyyyyyyyyyyy

Enter the values of the old and new part numbers. If the new part number is not on file, the following prompt appears:

CHANGE PART NUMBER: xxxxxxxxxxxx TO yyyyyyyyyyyy (Y)?

Press Return or enter 'Y' to accept the new value.

If the new part number is on file, the following prompt will appear:

** WARNING - THE NEW PART NUMBER IS ALREADY ON FILE
ENTER 'E' TO DISCONTINUE OR:
1. USE OLD PART NUMBERS BILL OF MATERIAL AND ROUTING RECORDS.
2. DELETE OLD PART NUMBERS BILL OF MATERIAL AND ROUTING,
USE THE NEW PART NUMBERS BILL OF MATERIAL AND ROUTING.
OPTION?

If the part number is already on file, then you may have two sets of bills of material and routing records to resolve. If these are buy parts and they don't have bills or routings, then your response to this prompt is irrelevant. If these are make parts that may have bills of material and routings, then option 1, will select the 'old' part numbers bill of material/routing, and delete the 'new' part numbers bill of material/routing. Option 2, will delete the 'old' part numbers bill of material/routing, leaving only the 'new' part numbers bill of material/routing.

You must enter either a 1 or 2 to this prompt. Pressing return, will reject the part number change.

The utility returns to the 'OLD PART NUMBER?' prompt. When you are finished entering old/new part numbers, press return to this prompt and the program will begin the update process.

If you entered 20 or less old/new part number relationships, the individual record counts from each data set being updated will be displayed. If you enter 21 or more part number relationships, it is presumed that you are running a large update and only one line per part number will be displayed.

At the conclusion of updating the all of the data bases, the second phase of the update is to update the Manufacturing transaction log files. The oldest 'date added' from the item master records is used to determine how far back in the

transaction logs to update. The transaction log records are read from most recent to least recent. After all of the transaction logs have been read, then the transaction log records selected will be updated with the new part number.

Files Updated

PAYDB. PDATABxx
INRCTFL

PURDB. MDATABxx
POFIL
RCHSFIL
VNCRFIL
VNDSFIL
PRLFIL
PRXFIL
IRCHFIL

HI SDB. HDATABxx
SHDFIL
SERFIL
OPSFIL
PRDHIS

FINDB. FDATABxx
ALDFIL
CHAFIL
INFIL
OPTFIL
PRDPCFL
PRIFIL
OPTPSF
PROMAS
SODFIL
TOPFIL

MANDB. MDATABxx
ASSEMB
EXTDFIL
IM
DINVFIL
INTFIL
LDFIL
NCFIL
MPSPLAN
MRPPLAN
ODF
OWOF
PSF
RTFIL

WOSHT
ARMDB
RIM
PNWFIL
BLDFIL
WPVFIL
RPSHFIL
PULLFIL
BLDEFIL
CADJFIL

CRPDB
CRPFIL

PHYDB
PHWFIL
PHWLOC
PHWOFIL
PHWSHT
PHYFIL
PHYFRO

RESDB
FAMLNK
BORFIL
ECOREC

TRKDB. TDATABxx
TKLIDFL
TKLTFFL

Report Format

Old Part number
Part number's description (DESC - IM)
New Part Number

OM,UT,175 Product Number Change Utility

The purpose of the Product Number Change Utility is to change only the product number field in the Omar Data base. It is designed for companies that use the top level bill of material (TOPFIL) feature in Omar, and have product numbers in Omar that do not exist in a Manufacturing data base.

The program will also allow you to change a product number to a product number that is already on file. Doing so will 'merge' the history of the two products within the Omar system.

A report is created which will list the old product number, description, and new product number provided.

It is recommended that if you will be using this utility to change a large number of product numbers, that you run OM,UT,460 option 1, after OM,UT,175 is finished to rebuild product lookup file.

We also recommend that you insure that you have a backup that you could go restore from in the event that the process is terminated prematurely.

Prompts

Displays output options.
OPTION (0)?

OLD PRODUCT NUMBER? xxxxxxxxxxxx
NEW PRODUCT NUMBER? yyyyyyyyyyyy

Enter the values of the old and new product numbers. If the new product number is not on file, the following prompt appears:

CHANGE PRODUCT NUMBER: xxxxxxxxxxxx TO yyyyyyyyyyyy (Y)?

Press Return or enter 'Y' to accept the new value.

If the new product number is on file, the following prompt will appear:

** WARNING - THE NEW PRODUCT NUMBER IS ALREADY ON FILE
ENTER 'E' TO DISCONTINUE OR IF YOU USE TOPFIL:
1. USE OLD PRODUCT NUMBERS TOPFIL RECORDS
2. DELETE OLD PRODUCT NUMBERS TOPFIL RECORDS,
AND USE THE NEW PRODUCT NUMBERS TOPFIL RECORDS
OPTION? 1

If the product number is already on file, then you may have two sets of TOPFIL records to resolve. If there are no TOPFIL records, then the response to this prompt is irrelevant. If these

products do have TOPFIL records, then option 1, will select the 'old' product numbers TOPFIL records, and delete the 'new' products TOPFIL records. Option 2, will delete the 'old' product numbers TOPFIL records, leaving only the 'new' product numbers TOPFIL records.

You must enter either a 1 or 2 to this prompt. Pressing return, will reject the product number change.

The utility returns to the 'OLD PRODUCT NUMBER?' prompt. When you are finished entering old/new product numbers, press return to this prompt and the program will begin the update process.

If you entered 20 or less old/new product number relationships, the individual record counts from each data set being updated will be displayed. If you enter 21 or more product number relationships, it is presumed that you are running a large update and only one line per product number will be displayed.

Files Updated

HI SDB. HDATABxx

SHDFIL
SERFIL
OPSFIL
PRDHIS

FINDB. FDATABxx

ALDFIL
CHAFIL
INFIL
OPTFIL
PRDPCFL
PRIFIL
OPTPSF
PROMAS
SODFIL
TOPFIL

Report Format

Old Part number
Part number's description (DESC - IM)
New Part Number

Special Considerations for Batch Processing

Changing a part number within MG,UT,175 requires a few datasets to be read serially. This is because the part number is not a key field in these data sets. The data sets that are read serially are:

```

PHWFIL  - PHYDB. MDATABxx
PHWLOC  - PHYDB. MDATABxx
INRCTFIL - PAYDB. PDATABxx
IRCHFIL - PURDB. MDATABxx
OPSFIL  - HISDB. HDATABxx
PRIFIL  - FINDB. FDATABxx
OPTFIL  - FINDB. FDATABxx
LDFIL   - MANDB. MDATABxx
PULLFIL - ARMDB. MDATABxx
IM      - MANDB. MDATABxx (master routing part number)

```

Depending on the size of your HP3000 system, the run time to read each and every record of these data sets could be lengthy.

In addition, at the conclusion of updating the data bases with the new part number values, each and every record of the Manufacturing Transaction Log files are read going back to the date the part was added.

If you will be changing more than a few parts at a time, it is recommended that you run MG,UT,175 in batch mode. The prompts have been structured whereby you get into a loop of 3 lines apiece. The 3 lines consist of the values for old part number, new part number, 'new part on file' response.

Below is an example of a stream job. In the example below, the third line is left blank. Leaving the third line blank, tells UT,175 will skip over any part number change where the new part number is already on file (will not merge).

.page

STREAM JOB EXAMPLE - NO PART NUMBER MERGE ALLOWED

```

MG, UT, 175
0  <-----
1  <-----
1  <----- / Output option prompts
    <-----/
1  <----- Response to Omar update prompt
ol dpartnumber1
newpartnumber1
    <--- blank; no response skips over merge option
ol dpartnumber2

```

```

newpartnumber2
                <--- blank; no response skips over merge option
                <--- blank; no more part numbers to enter
E               <--- all finished

```

STREAM JOB EXAMPLE - PART NUMBER MERGE IS ALLOWED

```

MG, UT, 175
0  <-----
1  <-----
1  <----- / Output option prompts
    <----- /
1  <----- Response to Omar update prompt
ol dpartnumber1
newpartnumber1
2  <--- Use new part's bill and routing if on file
ol dpartnumber2
newpartnumber2
2  <--- Use new part's bill and routing if on file
    <--- blank; no more part numbers to enter
E  <--- all finished

```

Special Considerations for Merging Parts History

If you will be changing a part number to a part that is already on file, you will need to take into consideration any inventory that exists on the 'old' part number.

If there is any inventory on the old part number, those inventory records (INVFIL), will be converted to the new part numbers records. In doing so, should the old part number have the same location and lot number as the new part number, you will be stuck with two INVFIL records for the same part/location/lot combination. This can be fixed with MG,TR,100 and MG,DE,160, but please be aware that there is a possibility this could occur.

More importantly, if the old part numbers cost is not the same as the new part numbers cost, you will be revaluing inventory without an adjustment to the G/L. Either insure that the two parts cost are the same, or create a report of the old parts quantity, and cost, and the new parts cost, so that a journal voucher can be prepared.

In conclusion, the recommendation is that you merge a parts history if there is no inventory on the old part number. But if there is, please take the appropriate steps to insure that you have any cost differences between the old and new parts documented, prior to running MG,UT,175.

Example of changing a part number with MG, UT, 175

COMMAND (TEST, MG, 0)? U, 175

*

Part Number Change Utility (v1.01)

ENTER DESIRED OUTPUT OPTION:

0. LINE PRINTER
1. TERMINAL, 132 COLUMNS
2. ENTER LOGICAL DEVICE/DISC FILE, 132 COLUMNS
OPTION (0)? 0

OMAR UPDATE OPTION:

1. DO NOT UPDATE OMAR
2. UPDATE PART NUMBER VALUES IN TOPFIL AND SHDFIL ONLY
3. UPDATE PART NUMBERS AND PRODUCT NUMBERS IN OMAR
OPTION(1)? 3

OLD PART NUMBER? 11-LLAE-E6758 *
NEW PART NUMBER? 54321 * 1/2 HP US MOTOR DRIVE

CHANGE PART NUMBER: 11-LLAE-E6758 TO 54321 (Y)? *

OLD PART NUMBER (C/R TO CONTINUE)? *

RECORDS SELECTED: 1
BEGIN PART NUMBER CHANGE PROCESS...
PROCESSING: 11-LLAE-E6758 1/2 HP US MOTOR DRIVE

** Processing CRPDB **
** 0 RECORDS CHANGED ON CRPDB **

** Processing PHYDB **
0 RECORDS CHANGED FOR PHWFIL
0 RECORDS CHANGED FOR PHWLOC
0 RECORDS CHANGED FOR PHWSHT
0 RECORDS CHANGED FOR PHWOFIL
1 RECORDS CHANGED FOR PHYFIL
1 RECORDS CHANGED FOR PHYFRO
** 2 RECORDS CHANGED ON PHYDB **

** Processing RESDB **
** 0 RECORDS CHANGED ON RESDB **

** Processing PAYDB **
** 0 RECORDS CHANGED ON PAYDB **

** Processing HISDB **
0 RECORDS CHANGED FOR OPSFIL
0 RECORDS CHANGED FOR OPSFIL
0 RECORDS CHANGED FOR SERFIL
0 RECORDS CHANGED FOR SERFIL
12 RECORDS CHANGED FOR SHDFIL
12 RECORDS CHANGED FOR SHDFIL
** 24 RECORDS CHANGED ON HISDB **

** Processing FINDB **
1 RECORDS CHANGED FOR PROMAS

```

1 RECORDS CHANGED FOR ALDFIL
5 RECORDS CHANGED FOR CHAFIL
14 RECORDS CHANGED FOR INFIL
0 RECORDS CHANGED FOR OPTFIL
0 RECORDS CHANGED FOR PRDPCFIL
12 RECORDS CHANGED FOR SODFIL
0 RECORDS CHANGED FOR TOPFIL
0 RECORDS CHANGED FOR PRIFIL
0 RECORDS CHANGED FOR OPTFIL
0 RECORDS CHANGED FOR OPTPSF
0 RECORDS CHANGED FOR TOPFIL
** 33 RECORDS CHANGED ON FINDB **

```

** Processing PURDB **

```

0 RECORDS CHANGED FOR IRCHFIL
0 RECORDS CHANGED FOR POFIL
0 RECORDS CHANGED FOR RCHSFIL
0 RECORDS CHANGED FOR VNCRFIL
0 RECORDS CHANGED FOR VNDSFIL
0 RECORDS CHANGED FOR PRLFIL
0 RECORDS CHANGED FOR PRXFIL
** 0 RECORDS CHANGED ON PURDB **

```

** Processing MANDB **

```

1 RECORDS CHANGED FOR IM
2 RECORDS CHANGED FOR ASSEMB
2 RECORDS CHANGED FOR LDFIL
9 RECORDS CHANGED FOR PSF
1 RECORDS CHANGED FOR PSF
0 RECORDS CHANGED FOR ODF
0 RECORDS CHANGED FOR MRPPPLAN
0 RECORDS CHANGED FOR MPSPLAN
0 RECORDS CHANGED FOR OWOFF
23 RECORDS CHANGED FOR WOSHT
1 RECORDS CHANGED FOR RTFIL
1 RECORDS CHANGED FOR NCFIL
1 RECORDS CHANGED FOR INVFIL
0 RECORDS CHANGED FOR EXTDFIL
0 RECORDS CHANGED FOR INTFIL
** 38 RECORDS CHANGED ON MANDB **

```

```

Transaction logs selected: 13 Records: 141115
Records read: 2500 of 141115 Records qualified: 0 TR000975
Records read: 5000 of 141115 Records qualified: 0 TR000975
Records read: 7500 of 141115 Records qualified: 1 TR000975
Records read: 10000 of 141115 Records qualified: 1 TR000975
Records read: 11894 of 141115 Records qualified: 1 TR000974
Records read: 12500 of 141115 Records qualified: 1 TR000974
.....
Records read: 132500 of 141115 Records qualified: 7 TR000962
Records read: 135000 of 141115 Records qualified: 8 TR000962
Records read: 137500 of 141115 Records qualified: 8 TR000962
Records read: 140000 of 141115 Records qualified: 8 TR000962
Processing 8 Records. .

```

COMMAND (TEST, MG, 0)?

Example of changing a Product number on a TOPFIL
product with OM, UT, 175

COMMAND (TEST, OM, 0)? UT, 175 *

Product Number Change Utility (v1.01)

ENTER DESIRED OUTPUT OPTION:
0. LINE PRINTER
1. TERMINAL, 132 COLUMNS
2. ENTER LOGICAL DEVICE/DISC FILE, 132 COLUMNS
OPTION (0)? 0

OLD PRODUCT NUMBER? 1-7AB2 *
NEW PRODUCT NUMBER? 4321 * SWITCH AND LIGHT KIT

CHANGE PRODUCT NUMBER: 1-7AB2 TO 4321 (Y)? Y

OLD PRODUCT NUMBER (C/R TO CONTINUE)? *

RECORDS SELECTED: 1
BEGIN PRODUCT NUMBER CHANGE PROCESS...
PROCESSING: 1-7AB2 SWITCH AND LIGHT KIT

** Processing HISDB **
0 RECORDS CHANGED FOR OPSFIL
0 RECORDS CHANGED FOR SERFIL
2 RECORDS CHANGED FOR SHDFIL
** 2 RECORDS CHANGED ON HISDB **

** Processing FINDB **
1 RECORDS CHANGED FOR PROMAS
0 RECORDS CHANGED FOR ALDFIL
0 RECORDS CHANGED FOR CHAFIL
0 RECORDS CHANGED FOR INFIL
0 RECORDS CHANGED FOR OPTFIL
0 RECORDS CHANGED FOR PRDPCFIL
3 RECORDS CHANGED FOR SODFIL
4 RECORDS CHANGED FOR PRIFIL
1 RECORDS CHANGED FOR TOPFIL
** 9 RECORDS CHANGED ON FINDB **

COMMAND (TEST, OM, 0)?