



Infor Behr Dayton Thermal Products (BZ)

AutoMap

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Table of Changes

Changed By	Date	Reason	Update#	Section Changed
K. Radtke	12/16/16	Different receiver qualifiers	A116101901	Application Control File
K. Radtke	12/16/16	Set-ups for Paccar/Behr	A112062105	Paccar Drop Ships

General Information

Transaction Sets and Versions

The Behr Dayton Thermal Products module supports the following transaction sets:

•	820	Remittance Advice	Version 4010
•	824	Application Advice	Version 4010
•	830	Material Release	Version 4010
•	850	Purchase Order	Version 4010
•	856	Inbound ASNs	Version 4010
•	856	Outbound ASNs	Version 4010
•	860	Purchase Order Change	Version 4010
•	861	Receiving Advice	Version 4010
•	862	Shipping Schedule	Version 4010
•	997	Inbound Functional Acknowledgement	Version 4010
•	997	Outbound Functional Acknowledgement	Version 4010

The **820 (Remittance Advice)** is payment or funds information sent from the supplier to Behr Dayton Thermal Products. Note that Behr Dayton Thermal Products does not send 820 information to all suppliers. Suppliers are contacted by Behr Dayton Thermal Products individually if an 820 transaction is required.

The **824 (Application Advice)** reports errors of content in the file received from the supplier.

The **830 (Material Release)** contains firm and planning requirements.

The **850 (Purchase Order)** contains firm quantities and dates for the supplier. 850s are only used for indirect material repetitive buys.

The **inbound 856 (ASN)** is sent to suppliers for each shipment of empty returnable dunnage sent back. An 856 message is also generated and sent to suppliers for any returned material.

The **outbound 856 (ASN)** is required to be transmitted for each shipment within 30 minutes of when the truck leaves the plant.

The **860 (PO Change)** contains requests for changes to the 850 (changes to indirect material repetitive buys).

The **861 (Receiving Advice)** reports discrepancies between the ASN and the actual shipment.

The **862 (Shipping Schedule)** contains firm and planning requirements.

The **Inbound 997 (Functional Acknowledgement)** is received to acknowledge the transmitted 856.

The **Outbound 997 (Functional Acknowledgement)** is required to be transmitted within the time frame defined by Behr Dayton Thermal Products to confirm the receipt of 830s, 850s, 860s, and 862s.

Security

Communication Method

Behr Dayton Thermal Products communicates through the ACM (Advanced Communications Module) component.

For more information on ACM, see Chapter 17 of the AutoRelease Main Manual. Enter security requirements (identification codes, passwords, etc.) before attempting to receive or transmit. Network security is entered one time, but may be accessed by multiple trading partners.

Note: When establishing communication set up either with a VAN or direct, the following must exist:

Wrap Data? YES - 80
Start New Record on New Interchange? YES

File Archiving / Auto Print and Process

(Option 3 on the AZ10 Menu - ACM)

```
AZD2008                                PROCESS PROFILE SETUP

      OEM .....
      Company .....

      Auto Print .....
      Auto Process.....
      Auto 997.....
      Days To Archive.....

      F4=Prompt   F12=Cancel
```

- Auto Print (Y/N) - Enter “Y” if using Auto Receive and Breakdown (scheduled through ACM), to perform an automatic Print after the Breakdown. Enter “N” if not using Auto Receive, or, if using Auto Receive and Breakdown, if the Print option is not to be run automatically after the Breakdown.
- Auto Process (Y/N) - Enter “Y” if using Auto Receive and Breakdown (scheduled through ACM) and if also using Auto Print, to perform an automatic Process after the Receive, Breakdown and Print. Enter “N” if not using Auto Receive, or, if using Auto Receive, Breakdown, and Auto Print, if the Process option is not to be run automatically after the Print.
- Auto 997 (Y/N) – Enter “Y” and a 997 will automatically be sent back to the OEM acknowledging receipt of inbound EDI data.
- Days to Archive - Enter the number of days to archive files received from the OEM. Files must be saved at least one day. Archived files are files that are stored for a given number of days, so that they can be reactivated. The number of days is not based on calendar days. Only the number of days when a communication session takes place is counted. Then the archived files are removed during the next shift.

Note: Only error-free requirements are processed. Errors must be corrected and the “Print” and “Process” options must be taken manually to process the remaining data.

Implementation

Identification Code File

Initial Record

Company Number	- xx
OEM Code	- BZ
Plant ID	- Your Ship From ID*
OEM ID	- 883267494
Corporate ID	- Your DUNS Number
Remit to Duns Number	- Not used by Behr Dayton Thermal Products
VAT Code	- Tax ID
Transmission Mode	- P
Smart Labels	- N
Pallet Staging	- N
Bar Code File Transfer	- N
Variable Unwrap Print	- Y or N
Automatic print of 997	- N
AutoMap	- Y

Errors that occur during the "split" that indicates a code is missing from the Identification Code File are referring to plant ID or OEM ID.

AutoMap - Enter Y to place data in the AutoMap files (during the Split).

*The Ship from ID is mapped to the Supplier ID field, and the Supplier ID is mapped to the CHRYSF field. This mapping allows users to set up the Identification Code File with more than one Corp/Supplier combination.

Application Control File

Set up a Keyword in the Application Control File in order to send ASNs to a different destination with a different receiver qualifier. This is a basic keyword, not enhanced.

Add the record as described below. For more information about adding control records, see Chapter 11 of the AutoRelease Main Manual.

```
Application Name = QUAL
Keyword = DABBV + OEM Code
Length = 2
Dec= blank
CO = Your Company
Infor Data = The receiver qualifier for that
Destination.
```

From the main menu select System Maintenance (Option 11), then Application Control File Maintenance (Option 17), then Basic Application Control File Maintenance (Option 2).

Enter the following information:

```

      APP
Opt  CO# Name  Keyword
    1  01  QUAL  DABBVXX
```

Note: DABBV=Destination Abbreviation
XX = OEM Code

Press Enter and on the next screen enter a Length of "2" and receiver qualifier in the Infor Data area.

```

CO#  APP Name  Keyword
01   QUAL     DABBVXX

Infor Data                Length:  2 Dec:
      1          2          3          4
123456789012345678901234567890123456789012345
12

Customer Data            Length:      Dec:
      1          2
12345678901234567890
```

For existing ASNs and shippers/ASNs created from requirements received before this update was applied, the below steps need to be done for the ISA/GS receiver IDs to be correct:

- A. From the AutoMap ASN review screen, enter 1=select on the ASN
- B. Press F7=Reference#
- C. Enter the ISA/GS Receiver ID in Contract:
(i.e. BEHRMEX, 883267494)

Release Due Date

Releases received from Behr Dayton Thermal Products include a Due Date, which indicates when shipments should arrive at the Behr Dayton Thermal Products dock. This date is not to be confused with the Ship Date.

830/862 Inbound Processing

The N1* ST contains both the ship-to ID and the storage location. This value allows suppliers to distinguish system-wise where materials should ship. For example, Behr Dayton Thermal Products' plant code is "1731." Shipments marked "17311003" ship to the warehouse in Vance, Alabama, while shipments marked "17310003" ship to Dayton, Ohio. The value must be returned on the ASN.

AETC Code

Behr Dayton Thermal Products uses the AETC code field, which is entered on the shipper and processed into the ASN. The AETC code is used only when required for premium shipments. Enter the responsibility code in the first position. Valid codes include:

- S = Supplier
- B = Behr
- C = Carrier

Enter the authorization number in positions 2-10.

Conveyance Bill Number

Behr Dayton Thermal Products uses the Conveyance Bill Number and requires the following when populating this field:

- Full truckload shipments use the trailer number.
- Less than truckload shipments use the carrier PRO number.
- Air shipments use the carrier's air-bill number.
- Full container ocean shipments use the container number.
- Less than container loads use the forwarders' tracking number.
- The supplier's truck, if used, is entered as "OWN TRUCK."
- Behr's truck, if used, is entered as "BEHR TRUCK."

Enter the Conveyance Bill Number at shipper entry time. Edit ASN information through the ASN Maintenance screen.

Returnable Containers

For non-returnable containers sent to Behr Dayton Thermal Products, use "EXP" as the container number.

Master File Entry

The entry of each master file is NOT explained in this document. Only the master files that require unique entry, to accommodate specific business practices for this trading partner are noted.

Model Year

Behr Dayton Thermal Products does not send model year. Therefore, the Requirement and Price Files must be entered leaving the model year fields blank.

EDI Code File

Type codes

- C - Firm
- D - Planning

Frequency codes

- D - Discrete
- W - Weekly
- M - Monthly

Requirement File - Clear Flags

The requirement master clear flags should not be marked. Keywords are used to determine what to clear based on purpose codes.

CUM Required Prior

Behr Dayton Thermal Products does not send CUM required prior. They send CUM Received, which processes into the CUM Required field. Therefore, it is not necessary to enter it manually before going live. The CUM Received that is transmitted overlays what was entered manually.

The CUM Required Prior is used to calculate ahead and behind figures and to round to package quantity. Enter the CUM Required Prior when entering a Behr Dayton Thermal Products manual requirement or while testing. To enter, access the Manual Requirements Entry screen and select a part or press F5.

Bar Code Labels

Behr Dayton Thermal Products (BZ) sends the Bin Number in the REF*BO on the 830 and 862. The Bin Number is processed into the LABEL1 field of the Requirement Detail file (JTPJITB). This Bin Number is required on the bar code labels.

Paccar Drop Ships

If you receive Paccar Dropship requirements via the Behr Dayton Thermal (BZ) module, the ASN will be created in the Paccar (PA) module and transmitted to Behr (BZ). The following file setups are required for both OEMs in the same company:

1. The Plant ID received from Behr must be setup in the Identification Code File for both Behr (BZ) and Paccar (PA).
2. The Trading Partnership File for the Paccar (PA) Identification Code record created above must have an ASN Record with the data required by Behr (BZ).
3. The Issuer ID received from Behr must be setup in the Customer Abbreviation File for both Behr (BZ) and Paccar (PA) pointing to the same Cust Abbrev.
4. The Destination ID received in the N1*ST segment from Behr on the 830 and 862 must be setup in the Destination Abbreviation File for both Behr (BZ) and Paccar (PA) pointing to the same Dest Abbrev.
5. If you do not ship from the 830, that Destination ID does not need to be setup for Paccar (PA).
6. The Requirement Master OEM Code must be 'PA' and the OEM Division must be 'BEHR'.

Remittance Advices (820s)

The Remittance Advice (820) is sent when a check is issued indicating the payment amount and the invoice data supporting the payment, such as invoice numbers, part numbers, quantities, Purchase Order Numbers, etc. When Remittance Advice data are no longer current, they may be purged. Access Remittance Advice information through option 11, Remittance Advices, on the AutoMap main menu.

Application Advice (824)

The Application Advice menu is used to display, list, and purge the Application Advice (824) file. The Application Advice file reports errors of content in the file received from Behr Dayton Thermal Products, and indicates if a transmission was accepted with errors or rejected. The Split Status report, which is printed during the Split, identifies the transaction sets received by each company. During the Breakdown, all data received in the 824 file are placed in the universal Application Advice files VPX824A - VPX824H.

When Application Advice data are no longer current, they may be purged. Access the Application Advice Menu through option 12, Application Advices, on the AutoMap main menu.

Receiving Advices (861)

The Receiving Advice (861) is a discrepancy report that notifies suppliers when ASN data are not the same as data recorded and accepted by Behr Dayton Thermal Products when the shipment is received. Discrepancies reported on the 861 are not processed into the Requirement or Load Files. Adjustments must be made manually (when necessary) from the "Manual Requirement/Shipping Adjustments Menu" (RC8). When 861 data are received for a mapped trading partner, it is indicated on the Split Status Report which is printed when the "Split" is taken. Access Receiving Advice information from option 13, Receiving Advices (861), on the AutoMap main menu. When Receiving Advice data are no longer current, they may be purged.

Inbound Ship Notification

The Shipping Notification Menu (AUTMA4) is used to display, list, and purge inbound Advanced Ship Notifications (ASNs) from Behr Dayton Thermal Products. Behr Dayton Thermal Products sends inbound ASNs to suppliers for each shipment of empty returnable dunnage sent back. An 856 message is also generated and sent to suppliers for any returned material. Access Inbound Ship Notification information from option 14, Inbound Ship Notification, on the AutoMap main menu.

List Shipping Notification

This option allows users to view lists of inbound ASNs for Behr Dayton Thermal Products. Users can filter lists by DUNS number, date, and ASN number.

Purge Shipping Notification

This option allows users to purge all ASNs received on or before a specific date.

ASNs

Mandatory Fields

The fields listed below are mandatory ASN fields.

ASN Header Maintenance Screen

ASN HEADER MAINTENANCE		Record Status: O
OEM: BZ	Shipper #: 112701	ASN Purpose: O
Company: KB	Equipment	
Customer Abbrev: BEHR2	Description: TL	
Destination Abbrev: BEHR2	Initial:	
Dock Code:		
Ship	Consignee	
Date: 10/17/XX	Warehouse:	
Time: 11:44:XX	Location:	
Arrival		
Date: 10/19/XX	SCAC	
Time: :12:00	Pick up Carrier : CTNR	
Time Zone: MD	Delivery Carrier: CTNR	
	Canadian Carrier:	
Conveyance Code: A		
FOB Destination: FAYETTEVILLE		
Route:		
Shipping Location:		
F3=Exit F4=Flags/Codes F5=ID Numbers F7=Reference# F8=Keys F9=Status		
F12=Return		

- ASN Purpose - Transmitted in the BSN 01.
O - Original 00
D - Cancel 01
- Equipment Description - Transmitted in the TD3 01. Valid codes include:
TL - Trailer Load
- Ship Date - Transmitted in the DTM 02.
- Ship Time - Transmitted in the DTM 03.

- Pick Up Carrier - Transmitted in the TD5 03.
- Conveyance Code - Transmitted in the TD5 04. Valid codes include:
 - A - Air
 - M - Motor
 - R - Rail
 - S - Ocean

ID Numbers Screen

- Supplier ID - Transmitted in the N1 04.
- OEM ID - Transmitted in the ISA 08 and GS 03.
- Corp ID - Transmitted in the ISA 06 and GS 02.

Reference Numbers Screen

Conveyance Bill - Enter the PRO Number. Transmitted in the TD3 03. Note the following:

Full truckload shipments use the trailer number. Less than truckload shipments use the carrier PRO number. Air shipments use the carrier's air-bill number. Full container ocean shipments use the container Number. Less than container loads use the forwarders' tracking number. The supplier's truck, if used, is entered as "OWN TRUCK." Behr's truck, if used, is entered as "BEHR TRUCK."

AETC # - This field is optional. It is transmitted in the ETD segment. Enter the responsibility code in the first position. Valid codes include:

- S = Supplier
- B = Behr
- C = Carrier

Enter the authorization number in positions 2-10.

ASN Detail Maintenance Screen

Cust Part # - Transmitted in the LIN 03.

Ship Qty - Transmitted in the SN1 02.

Package Qty - Transmitted in the CLD 02.

Ship Net - Transmitted in the MEA 03 in pounds.

Ship Gross - Transmitted in the MEA 03 in pounds.

CUM Shipped - Transmitted in the SN1 04.

ASN Unit/Mea - Transmitted in the SN1 03. Send the same code that was received.

- Valid codes include:
- LB or LBR - Pound
- PC or PCE - Pieces
- EA - Each

PO # - Transmitted in the LIN 05.

ASN Container Review Screen

Container Quantity - Transmitted in the CLD 01.

ASN Barcode Review Screen

Quantity - Transmitted in the CLD 02 segment.

Label Serial # - Transmitted in the REF*LS 02 segment.

How to Use This Document

This document provides information regarding unique instructions required to implement this trading partner's unique business practices. There is a separate document called "AutoMap Manual" which describes those procedures which apply to all trading partners (NOT unique for each trading partner) such as the daily procedures, job controls, etc.

General Information

The general information section of this document describes transaction sets, how they apply to this trading partner and other miscellaneous information.

Security

The security section of the document explains the Advanced Communication Module (ACM).

Implementation

Requirements received via AutoMap are processed into the AutoRelease master files to perform shipping, ASN and invoicing functions. Therefore, enter all master files in the same manner as required when processing data from the AutoRelease menus.

Exception: Special AutoMap processing needs are handled via keywords in AutoMap. Therefore, clear flags and special processing flags (F20) should not be marked.

The entry of each master file is NOT explained in this supplement. Only those that require specific fields marked to accommodate specific business practices for this trading partner are noted.

The master files required during the "Process" from the AutoMap Requirement Display, are the same files that are required when processing from the VL0 menus:

- Machine Readable - customer and destination
- Parts Cross Reference
- Requirement Master

These files must be entered to successfully process data into the Requirement and Load Files.

ASNs

All AutoMap trading partners transmit ASNs to the trading partner by using option 3 (ASNs) from the AutoMap menu. The ASN section of each trading partner document describes the ASN cancellation procedure and mandatory ASN fields for a specific trading partner. A complete description of the common options can be found in the ASN section of the AutoMap Manual.

Create Invoices

Enter "Y" to create a GL/AR file which will be passed through the interface to the ERP package. Also, a hard copy, electronic invoice, or both for each shipper to this destination will be generated. The invoice flags are found in the Destination Master File.

AutoMap Features and Preferences

In AutoMap, keywords are unique for the business practices of the trading partner. This section describes how to access keywords, whether there are optional or conditional keywords for this trading partner, and how to activate and deactivate keywords.

Activate or Deactivate Keywords - Change Error Types (Warning - Terminal)

Keywords activate special processing to accommodate the Trading Partner's practices. To view keywords:

1. Access the AutoMap Menu.
2. Take the Process Keywords options.
3. Select the trading partner with 7 (keyword options).
4. Keywords are displayed for the selected trading partner.
5. Select the keyword to be changed with 1 (select).

The error maintenance screen displays. The fields that can be changed include:

Error Type - The error type may be W (warning) or T (terminal).

T (terminal) - When the create and transmit ASNs option is taken the ASN records are checked for missing fields that may cause the ASNs to be rejected. If terminal errors are found, (errors that will cause the ASN to be rejected according to OEM specifications) the program ends, the ASN Verification Report prints and a break message is displayed. Terminal errors must be corrected before taking the create and transmit option again.

W (warning) - When the create and transmit ASNs option is taken the ASN data is verified. If only warning errors are found, the ASN Verification Report prints and a break message is displayed that gives the user the option to continue with errors or to cancel. Error Message - The message that is displayed when this error is encountered may be changed.

Active - The keyword may be active (Y) or inactive (N).