

# **KeHE Distributors 812 Outbound Credit/Debit Adjustment Request**

**X12/V5010/812 : 812 Credit/Debit Adjustment**

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# 812 Credit/Debit Adjustment

## Functional Group=CD

**Purpose:** This X12 Transaction Set contains the format and establishes the data contents of the Credit/Debit Adjustment Transaction Set (812) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to notify a trading partner of an adjustment or billback and may be used to request an adjustment or billback. It identifies and contains the details and amounts covering exceptions, adjustments, credits, or debits for goods or services. This transaction set is multidirectional between trading partners.

### General Usage:

The outbound 812 credit/debit will be used as a "credit request" to the supplier. The outbound credit/debit request will support the following types of credits, among others:

- Items were defective, damaged, or spoiled.
- Products were not received.
- The wrong products were sent.
- The number of items delivered were more or less than ordered.

### Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BCD	Beginning Credit/Debit Adjustment	M	1		N1/0200	Must use
0400	N9	Extended Reference Information	M	>1			Must use
0500	PER	Administrative Communications Contact	O	1			Used
0700	DTM	Date/Time Reference	M	1			Must use
0900	SHD	Shipment Detail	O	1		N1/0900	Used
0970	SAC	Service, Promotion, Allowance, or Charge Information	O	25			Used
<b>LOOP ID - N1</b>					<b>1</b>		
1000	N1	Party Identification	M	1			Must use
1200	N3	Party Location	O	1			Used
1300	N4	Geographic Location	O	1			Used

### Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
<b>LOOP ID - CDD</b>					<b>≥1</b>		
1600	CDD	Credit/Debit Adjustment Detail	M	1			Must use
1700	LIN	Item Identification	M	1			Must use
1800	PO4	Item Physical Details	O	1			Used
2000	N9	Extended Reference Information	M	>1			Must use
2020	DTM	Date/Time Reference	O	5			Used
<b>LOOP ID - SAC</b>					<b>1</b>		
2030	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
2700	SE	Transaction Set Trailer	M	1			Must use

**Notes:**

- 1/0200 BCD05 indicates whether the net of the detail is a credit or a debit.
- 1/0900 SHD is used to indicate shipment detail relative to credit or debit of returned product.

# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 318, Included: 1)

**Code Name**

812 Credit/Debit Adjustment

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

## Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

# BCD Beginning Credit/Debit Adjustment

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

**User Option (Usage):** Must use

**Purpose:** To transmit identifying dates and numbers for the transaction set and indicate the monetary value to the receiver of the transaction

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
BCD01	373	<b>Date</b>	M	DT	8/8	Must use				
<p><b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p> <p><b>User Note 1:</b> <i>Credit Request Date</i></p>										
BCD02	475	<b>Credit/Debit Adjustment Number</b>	M	AN	1/22	Must use				
<p><b>Description:</b> Number assigned by issuer of a credit or debit memo</p> <p><b>User Note 1:</b> <i>Credit Request Number</i></p>										
BCD03	305	<b>Transaction Handling Code</b>	M	ID	1/2	Must use				
<p><b>Description:</b> Code designating the action to be taken by all parties</p> <p><b>CodeList Summary</b> (Total Codes: 23, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Off Invoice (Deduction from Original Invoice)</td> </tr> </tbody> </table> <p><b>User Note 1:</b> <i>KeHE is sending a credit request, original invoice will be short-paid accordingly</i></p>							<u>Code</u>	<u>Name</u>	A	Off Invoice (Deduction from Original Invoice)
<u>Code</u>	<u>Name</u>									
A	Off Invoice (Deduction from Original Invoice)									
BCD04	610	<b>Amount</b>	M	N2	1/15	Must use				
<p><b>Description:</b> Monetary amount</p>										
BCD05	478	<b>Credit/Debit Flag Code</b>	M	ID	1/1	Must use				
<p><b>Description:</b> Code indicating whether amount is a credit or debit</p> <p><b>CodeList Summary</b> (Total Codes: 2, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>C</td> <td>Credit</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	C	Credit
<u>Code</u>	<u>Name</u>									
C	Credit									
BCD06	373	<b>Date</b>	O	DT	8/8	Used				
<p><b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p> <p><b>User Note 1:</b> <i>Invoice Date</i></p>										
BCD07	76	<b>Invoice Number</b>	O	AN	1/22	Used				
<p><b>Description:</b> Identifying number assigned by issuer</p>										
BCD09	373	<b>Date</b>	O	DT	8/8	Used				
<p><b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p> <p><b>User Note 1:</b> <i>Purchase Order Date</i></p>										

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BCD10	324	Purchase Order Number	M	AN	1/22	Must use

**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser

**User Note 1:** *PO Number is the primary reference number*

### Syntax Rules:

1. R071014 - At least one of BCD07, BCD10 or BCD14 is required.
2. P1314 - If either BCD13 or BCD14 is present, then the other is required.

### Semantics:

1. BCD01 is the credit/debit adjustment date.
2. BCD04 is the net amount of this complete transaction.
3. BCD06 is the invoice date.
4. BCD09 is the purchase order date.

### Comments:

1. If using BCD07 or BCD10, do not use BCD14 to identify invoice number or purchase order number.
2. For BCD11, only codes 00, 05, 06, 07, and 15 are permitted to be used.

# N9 Extended Reference Information

Pos: 0400	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 3

**User Option (Usage):** Must use

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 5)

**Code Name**

2I Tracking Number

**User Note 1:**

*Optional*

BM Bill of Lading Number

**User Note 1:**

*Optional*

CN Carrier's Reference Number (PRO/Invoice)

**User Note 1:**

*Optional*

IA Internal Vendor Number

**User Note 1:**

*Mandatory - KeHE Distributors assigned supplier ID (KeHE ESN)*

L1 Letters or Notes

**User Note 1:**

*Optional - If sent, associated notes will be sent in N903*

N902	127	Reference Identification	C	AN	1/50	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**User Note 1:** *Used when N901 = IA, 2I, BM, CN*

N903	369	Free-form Description	C	AN	1/45	Used
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**Description:** Free-form descriptive text

**User Note 1:** *Used when N901 = L1*

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.



# PER Administrative Communications Contact

Pos: 0500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
<p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named</p> <p><b>CodeList Summary</b> (Total Codes: 238, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>IC Information Contact</p>						
PER02	93	Name	O	AN	1/60	Used
<p><b>Description:</b> Free-form name</p>						
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>CodeList Summary</b> (Total Codes: 42, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>TE Telephone</p>						
PER04	364	Communication Number	X	AN	1/256	Used
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>						
PER05	365	Communication Number Qualifier	X	ID	2/2	Used
<p><b>Description:</b> Code identifying the type of communication number</p> <p><b>CodeList Summary</b> (Total Codes: 42, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>EM Electronic Mail</p>						
PER06	364	Communication Number	X	AN	1/256	Used
<p><b>Description:</b> Complete communications number including country or area code when applicable</p>						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

# DTM Date/Time Reference

Pos: 0700	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**CodeList Summary** (Total Codes: 1280, Included: 1)

Code Name

035 Delivered

DTM02	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# SHD Shipment Detail

<b>Pos: 0900</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N/A</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

**Purpose:** To indicate shipment details in terms of quantity, weight, and routing instructions related to credit or debit of returned product

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SHD02	413	<b>Quantity Received</b>	M	R	1/7	Must use
<b>Description:</b> Number of shipping units received						
SHD03	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>CodeList Summary</b> (Total Codes: 844, Included: 1)						
<u>Code</u> <u>Name</u>						
CA Case						
SHD10	91	<b>Transportation Method/Type Code</b>	O	ID	1/2	Used
<b>Description:</b> Code specifying the method or type of transportation for the shipment						
<b>CodeList Summary</b> (Total Codes: 80, Included: 2)						
<u>Code</u> <u>Name</u>						
H Customer Pickup						
M Motor (Common Carrier)						
SHD11	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
<b>Description:</b> Standard Carrier Alpha Code						

## Syntax Rules:

1. R0102 - At least one of SHD01 or SHD02 is required.
2. C0103 - If SHD01 is present, then SHD03 is required.
3. C0203 - If SHD02 is present, then SHD03 is required.
4. P0405 - If either SHD04 or SHD05 is present, then the other is required.
5. P0607 - If either SHD06 or SHD07 is present, then the other is required.
6. C1314 - If SHD13 is present, then SHD14 is required.

## Comments:

1. SHD13 and SHD14 are used to identify pertinent numbers associated with shipment detail.

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 0970	Max: 25
Heading - Optional	
Loop: N/A	Elements: 8

**User Option (Usage):** Used

**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

**Description:** Code which indicates an allowance or charge for the service specified

**CodeList Summary** (Total Codes: 7, Included: 2)

**Code Name**

- A Allowance
- C Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
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**Description:** Code identifying the service, promotion, allowance, or charge

**User Note 1:**

**Allowance Codes and Descriptions Accepted when SAC01=A**

Acceptable Codes to indicate Spoilage/Defective Allowances as sent on the Purchase Order:

- C000: Defective Allowance
- G860: Spoilage/Shrink Allowance
- H560: Swell Allowance
- I410: Unsaleable Merchandise Allowance

Acceptable Codes to indicate any Freight/Pick up Allowances:

- C290: Freight Allowance/ Discount – Service Option (Pickup)
- D240: Freight

Acceptable Codes to indicate The Connect BI Allowance as sent on the Purchase Order:

- B720: Cooperative Advertising/Merchandising Allowance
- C350: Distributor Discount/Marketing Allowance
- F670: Price and Marketing Allowance

Acceptable Codes to indicate The Administrative Allowance as sent on the Purchase Order:

- A172: Administrative Allowance

**Charge Codes and Descriptions Accepted when SAC01=C**

Acceptable Codes to indicate Container/Bottle Deposit Charges:

- B570: Container Deposits

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<p><i>Acceptable Codes to indicate any Pallet Charges:</i></p> <ul style="list-style-type: none"> <li>- F170: Pallet Charge</li> <li>- F180: Pallet</li> <li>- I020: Third Party Pallets</li> </ul> <p><b><u>Codes and Descriptions Accepted when SAC01=A or C</u></b></p> <p><i>Code to indicate any other Allowances or Charges not previously defined:</i></p> <ul style="list-style-type: none"> <li>- H920: Miscellaneous (Charges or Allowances)</li> <li>- D240: Freight</li> </ul> <p><b>CodeList Summary</b> (Total Codes: 1090, Included: 15)</p> <p><b><u>Code Name</u></b></p> <ul style="list-style-type: none"> <li>A172 Administrative</li> <li>B570 Container Deposits</li> <li>B720 Cooperative Advertising/Merchandising Allowance (Performance)</li> <li>C000 Defective Allowance</li> <li>C290 Discount - Service Option (Pickup)</li> </ul> <p><b>User Note 1:</b> <i>Freight Allowance / Discount – Service Option (Pickup)</i></p> <ul style="list-style-type: none"> <li>C350 Distributor Discount/Allowance</li> <li>D240 Freight</li> <li>F170 Pallet Exchange Charge</li> <li>F180 Pallet</li> <li>F670 Price and Marketing Allowance</li> <li>G860 Shrink Allowance</li> <li>H560 Swell</li> <li>H920 Temporary Allowance</li> </ul> <p><b>User Note 1:</b> <i>Miscellaneous (Charges or Allowances)</i></p> <ul style="list-style-type: none"> <li>I020 Third Party Pallets</li> <li>I410 Unsaleable Merchandise Allowance</li> </ul>				
SAC05	610	<b>Amount</b>	M	N2	1/15	Must use
		<b>Description:</b> Monetary amount				
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated				
		<b>CodeList Summary</b> (Total Codes: 16, Included: 1)				
		<b><u>Code Name</u></b>				
		Z Mutually Defined				
SAC07	332	<b>Percent, Decimal Format</b>	X	R	1/6	Used
		<b>Description:</b> Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)				
SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	M	ID	2/2	Must use

**Description:** Code indicating method of handling for an allowance or charge

**CodeList Summary** (Total Codes: 22, Included: 2)

**Code Name**

- 02 Off Invoice
- 06 Charge to be Paid by Customer

SAC15	352	<b>Description</b>	M	AN	1/80	Must use
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**Description:** A free-form description to clarify the related data elements and their content

**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.

**Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

**Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

# Loop Party Identification

Pos: 1000      Repeat: 1  
 Mandatory  
 Loop: N1      Elements: N/A

**User Option (Usage):** Must use

**Purpose:** To identify a party by type of organization, name, and code

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1000	N1	Party Identification	M	1		Must use
1200	N3	Party Location	O	1		Used
1300	N4	Geographic Location	O	1		Used

# N1 Party Identification

Pos: 1000	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	Entity Identifier Code	M	ID	2/3	Must use

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**CodeList Summary** (Total Codes: 1500, Included: 1)

**Code Name**

RL Reporting Location

N102	93	Name	M	AN	1/60	Must use
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**Description:** Free-form name

**User Note 1:** *Receiving Location - Location requesting credit*

N103	66	Identification Code Qualifier	C	ID	1/2	Used
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

**CodeList Summary** (Total Codes: 241, Included: 2)

**Code Name**

9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix

92 Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	C	AN	2/80	Used
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**Description:** Code identifying a party or other code

**User Note 1:** *KeHE Distribution Center Code*

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

## Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.



# N3 Party Location

Pos: 1200	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

Pos: 1300	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	M	AN	2/30	Must use
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	M	ID	3/15	Must use
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

## Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

## Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

# Loop Credit/Debit Adjustment Detail

Pos: 1600      Repeat: >1  
 Mandatory  
 Loop: CDD    Elements: N/A

**User Option (Usage):** Must use

**Purpose:** To provide information relative to a line item adjustment

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1600	CDD	Credit/Debit Adjustment Detail	M	1		Must use
1700	LIN	Item Identification	M	1		Must use
1800	PO4	Item Physical Details	O	1		Used
2000	N9	Extended Reference Information	M	>1		Must use
2020	DTM	Date/Time Reference	O	5		Used
2030		Loop SAC	O		1	Used

# CDD Credit/Debit Adjustment Detail

Pos: 1600      Max: 1  
 Detail - Mandatory  
 Loop: CDD      Elements: 8

**User Option (Usage):** Must use

**Purpose:** To provide information relative to a line item adjustment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CDD01	426	Adjustment Reason Code	M	ID	2/2	Must use

**Description:** Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment

**CodeList Summary** (Total Codes: 481, Included: 2)

**Code Name**

- 04 Item Not Accepted - Damaged
- 06 Quantity Contested

**User Note 1:**  
*Over/Short*

CDD02	478	Credit/Debit Flag Code	M	ID	1/1	Must use
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**Description:** Code indicating whether amount is a credit or debit

**CodeList Summary** (Total Codes: 2, Included: 1)

**Code Name**

- C Credit

CDD04	610	Amount	C	N2	1/15	Used
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**Description:** Monetary amount

**User Note 1:**

*Total Amount Requested for Item*

*One of Amount (CDD04) or Quantity (CDD07/08) and Price (CDD10/11) must be sent.*

CDD07	477	Credit/Debit Quantity	C	R	1/10	Used
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**Description:** Number of supplier units credited or debited

**User Note 1:**

*Quantity Affected*

*One of Amount (CDD04) or Quantity (CDD07/08) and Price (CDD10/11) must be sent.*

CDD08	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**User Note 1:**

*One of Amount (CDD04) or Quantity (CDD07/08) and Price (CDD10/11) must be sent.*

**CodeList Summary** (Total Codes: 844, Included: 1)

		<u>Code</u>	<u>Name</u>				
		CA	Case				
CDD09	427	<b>Unit Price Difference</b>		O	R	1/15	Used
<p><b>Description:</b> Per unit (case) price or allowance/charge difference between original billing and corrected amount (may be unit full list price or allowance/charge where item was not on original billing or where full credit/debit amount is being transacted, i.e., returns or contested quantities)</p>							
CDD10	236	<b>Price Identifier Code</b>		C	ID	3/3	Used
<p><b>Description:</b> Code identifying pricing specification</p> <p><b>User Note 1:</b>  <i>One of Amount (CDD04) or Quantity (CDD07/08) and Price (CDD10/11) must be sent.</i></p> <p><b>CodeList Summary</b> (Total Codes: 168, Included: 1)</p> <p><u>Code</u> <u>Name</u>                      UCP Unit cost price</p>							
CDD11	212	<b>Unit Price</b>		C	R	1/17	Used
<p><b>Description:</b> Price per unit of product, service, commodity, etc.</p> <p><b>User Note 1:</b>  <i>One of Amount (CDD04) or Quantity (CDD07/08) and Price (CDD10/11) must be sent.</i></p>							

**Syntax Rules:**

1. R0407 - At least one of CDD04 or CDD07 is required.
2. C0711 - If CDD07 is present, then CDD11 is required.
3. P0708 - If either CDD07 or CDD08 is present, then the other is required.
4. P1011 - If either CDD10 or CDD11 is present, then the other is required.
5. P1213 - If either CDD12 or CDD13 is present, then the other is required.

**Semantics:**

1. CDD05 is the code indicating whether adjustment is for returned goods. A "Y" confirms that the adjustment is for returned goods.
2. CDD14 is used only to further clarify the adjustment reason code in CDD01.

**Comments:**

1. If comparison pricing is used, then CDD12 and CDD13 are required.

# LIN Item Identification

Pos: 1700	Max: 1
Detail - Mandatory	
Loop: CDD	Elements: 11

**User Option (Usage):** Must use

**Purpose:** To specify basic item identification data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN01	350	<b>Assigned Identification</b>	O	AN	1/20	Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>CodeList Summary</b> (Total Codes: 519, Included: 1)				
		<u>Code</u> <u>Name</u>				
		UP UCC - 12				
LIN03	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
LIN04	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>CodeList Summary</b> (Total Codes: 519, Included: 1)				
		<u>Code</u> <u>Name</u>				
		UK GTIN 14-digit Data Structure				
LIN05	234	<b>Product/Service ID</b>	O	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN06	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>CodeList Summary</b> (Total Codes: 519, Included: 1)				
		<u>Code</u> <u>Name</u>				
		IN Buyer's Item Number				
		<b>User Note 1:</b>				
		<i>KeHE Item Number - 8 digits with leading zeros (can be different by DC)</i>				
LIN07	234	<b>Product/Service ID</b>	O	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN08	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

**CodeList Summary** (Total Codes: 519, Included: 1)

**Code Name**

VN Vendor's (Seller's) Item Number

**User Note 1:**

*Vendor SKU*

LIN09	234	<b>Product/Service ID</b>	O	AN	1/48	Used
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**Description:** Identifying number for a product or service

LIN10	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 519, Included: 1)

**Code Name**

EN EAN/UCC - 13

LIN11	234	<b>Product/Service ID</b>	O	AN	1/48	Used
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**Description:** Identifying number for a product or service

**Syntax Rules:**

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

**Semantics:**

1. LIN01 is the line item identification

**Comments:**

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

# PO4 Item Physical Details

Pos: 1800	Max: 1
Detail - Optional	
Loop: CDD	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack	M	NO	1/6	Must use

**Description:** The number of inner containers, or number of eaches if there are no inner containers, per outer container

**User Note 1:** *Outer Pack*

## Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

## Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

## Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 358 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.



# N9 Extended Reference Information

Pos: 2000	Max: >1
Detail - Mandatory	
Loop: CDD	Elements: 3

**User Option (Usage):** Must use

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 4)

**Code Name**

L1 Letters or Notes

**User Note 1:**

*Optional - If sent, associated notes will be sent in N903*

LT Lot Number

**User Note 1:**

*Optional*

YD Buyer Identification

**User Note 1:**

*Mandatory - Product Description*

ZZ Mutually Defined

**User Note 1:**

*Optional - Quantity Short*

N902	127	Reference Identification	C	AN	1/50	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**User Note 1:** *Used when N901 = LT, YD, ZZ*

N903	369	Free-form Description	C	AN	1/45	Used
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**Description:** Free-form descriptive text

**User Note 1:** *Used when N901 = L1*

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

# DTM Date/Time Reference

Pos: 2020	Max: 5
Detail - Optional	
Loop: CDD	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**CodeList Summary** (Total Codes: 1280, Included: 2)

**Code Name**

035 Delivered

**User Note 1:**

*Receipt Date*

036 Expiration

**User Note 1:**

*Shelf Life*

DTM02	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# Loop Service, Promotion, Allowance, or Charge Information

Pos: 2030	Repeat: 1
Optional	
Loop: SAC	Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
2030	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 2030	Max: 1
Detail - Optional	
Loop: SAC	Elements: 8

**User Option (Usage):** Used

**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

### User Note 1:

*Only one SAC value (allowance) sent per item.*

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	Must use
<b>Description:</b> Code which indicates an allowance or charge for the service specified						
<b>CodeList Summary</b> (Total Codes: 7, Included: 1)						
<u>Code</u> <u>Name</u>						
A Allowance						
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	M	ID	4/4	Must use
<b>Description:</b> Code identifying the service, promotion, allowance, or charge						
<b>CodeList Summary</b> (Total Codes: 1090, Included: 2)						
<u>Code</u> <u>Name</u>						
C310 Discount						
F800 Promotional Allowance						
SAC05	610	<b>Amount</b>	M	N2	1/15	Must use
<b>Description:</b> Monetary amount						
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used
<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated						
<b>CodeList Summary</b> (Total Codes: 16, Included: 1)						
<u>Code</u> <u>Name</u>						
Z Mutually Defined						
SAC07	332	<b>Percent, Decimal Format</b>	X	R	1/6	Used
<b>Description:</b> Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)						
SAC08	118	<b>Rate</b>	O	R	1/9	Used
<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified						
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	M	ID	2/2	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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**Description:** Code indicating method of handling for an allowance or charge

**CodeList Summary** (Total Codes: 22, Included: 1)

<u>Code</u>	<u>Name</u>
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02	Off Invoice
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SAC15	352	<b>Description</b>	M	AN	1/80	Must use
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**Description:** A free-form description to clarify the related data elements and their content

**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.

**Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

**Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

# SE Transaction Set Trailer

Pos: 2700	Max: 1
Detail - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

## Comments:

- SE is the last segment of each transaction set.