



# Kroger Retail - EDI 857

**UCS/V5010UCS/857 : 857 Shipment and Billing Notice**

<b>Author:</b>	<b>Kroger</b>
<b>Company:</b>	<b>Kroger</b>
<b>Modified:</b>	<b>10/14/2021</b>
<b>Notes:</b>	<b>EDI 857 specifications for Kroger Retail Shipment and Billing Notice</b>



# 857

## Shipment and Billing Notice

Functional Group=**BS**

**Heading:**

<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>
020	BHT	Beginning of Hierarchical Transaction	M	1		N1/020	Must use

**Detail:**

<u>LOOP ID - HL</u>	<u>SHIPMENT</u>			<u>≥1</u>	<u>N1/030L</u>	
030	HL	Hierarchical Level	M	1	N1/030	Must use
040	G05	Total Shipment Information	O	1	N1/040	Used
100	DTM	Date/Time Reference	O	5		Used
110	N9	Reference Information	O	20		Must use
<u>LOOP ID - N1</u>				<u>10</u>		
140	N1	Party Identification	O	1		Used
<u>LOOP ID - HL</u>	<u>ORDER</u>			<u>1</u>	<u>N1/180L</u>	
030	HL	Hierarchical Level	M	1	N1/030	Must use
180	TDS	Total Monetary Value Summary	O	1	N1/180	Used
<u>LOOP ID - HL</u>	<u>TARE</u>			<u>1</u>	<u>N1/300L</u>	
030	HL	Hierarchical Level	M	1	N1/030	Must use
300	PAL	Pallet Information	O	1	N1/300	Used
310	MAN	Marks and Numbers	O	10		Used
<u>LOOP ID - HL</u>	<u>ITEM</u>			<u>1</u>	<u>N1/370L</u>	
030	HL	Hierarchical Level	M	1	N1/030	Must use
370	IT1	Baseline Item Data (Invoice)	O	1	N1/370	Used
390	PO4	Item Physical Details	O	1		Used
450	PID	Product/Item Description	O	1		Used
490	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# BHT Beginning of Hierarchical Transaction

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use

## 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>
BHT01	1005	Hierarchical Structure Code	M	ID	4/4	Must use

**User Note 1:** UCS structure is Shipment, Order, Tare, Pack and Item

<u>Code</u>	<u>Name</u>
0001	Shipment, Order, Packaging, Item
0002	Shipment, Order, Item, Packaging
0004	Shipment, Order, Item

BHT02	353	Transaction Set Purpose Code	M	ID	2/2	Must use
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<u>Code</u>	<u>Name</u>
00	Original

BHT03	127	Reference Identification	O	AN	1/30	Used
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**User Note 1:** This reference identifier is used to construct the invoice number of the ASN. We take the value in BHT-03 and generate an invoice number in the following way: DA {BHT-03}. So, in this example the invoice # would be: DATESTASN0001. This field can be considered the same as the 'Shipment ID.'

BHT04	373	Date	O	DT	8/8	Used
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**Description:** Date expressed as CCYYMMDD

BHT05	337	Time	O	TM	4/8	Used
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**Description:** Time expressed as HHMM

BHT06	640	Transaction Type Code	O	ID	2/2	Used
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**Description:** Code specifying the type of transaction

**User Note 1:** Indicates delivery or return - 'RD' for return and blank for deliveries

<u>Code</u>	<u>Name</u>
RD	Returns Detail

## User Note 1:

This segment is mandatory in order to send the transaction properly

# HL Hierarchical Level (Shipment)

Pos: 030	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

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

**Purpose:** This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and 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>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	M	AN	1/12	Used
<i>User Note 1: Contains a blank for the first HL segment sent, then increments by '1' with each HL segment thereafter.</i>						
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u>		<u>Name</u>		
		S		Shipment		

# G05 Total Shipment Information

Pos: 040	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To provide totals relating to the shipment

## 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>
G0501	382	<b>Total Quantity shipped</b>	C	R	1/10	Used
<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set						
G0502	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used

<u>Code</u>	<u>Name</u>
CA	Case
EA	Each
PL	Pallet/Unit Load

# DTM Date/Time Reference

Pos: 100	Max: 5
Detail - Optional	
Loop: HL	Elements: 3

**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
		<u>Code</u>				
		011				Shipped
		067				Current Schedule Delivery
DTM02	373	Date	C	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
		<b>User Note 1:</b> Invoice Transmission Date				
DTM03	337	Time	C	TM	4/8	Used
		<b>Description:</b> Time expressed as HHMM				
		<b>User Note 1:</b> Invoice Transmission Time				

# N9 Reference Information

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must use

## Element Summary:

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

Description: Division identifier

User Note 1: Reference Identification Qualifier should be - 19

N902	127	Reference Identification	X	AN	1/30	Used
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Description: Kroger 3 digit division where the invoice is transmitted to.

### User Note 1:

Code	Name
011	Kroger Atlanta
014	Kroger Cincinnati
016	Kroger Columbus
018	Kroger Michigan
021	Kroger Central (a.k.a. Indianapolis)
024	Kroger Mid-South (a.k.a. Louisville)
025	Kroger Delta (a.k.a. Memphis)
026	Kroger Nashville
029	Kroger Mid-Atlantic (a.k.a. Roanoke)
034	Kroger Southwest (a.k.a. Houston)
035	Kroger Southwest (a.k.a. Dallas)
090	Ruler Food Stores
531	Roundys - Mariano's
533	local mkt
534	Roundys - Copps and Pick n Save
615	Dillons
620	King Soopers
620	City Market
660	Fry's
701	Fred Meyer
703	Ralphs
704	Food 4 Less West
705	QFC
706	Smith's
708	Food 4 Less Midwest (a.k.a. Chicago)

### User Note 1:

As this segment will contain the division number for which the invoice is being sent, the sender MUST include this segment in the EDI transaction



# N1 Party Identification

<b>Pos: 140</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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

## 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>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

**User Note 1:** (a) N101 (SF, ST and O2) must be used for Credit  
 (b) N101 (SF and ST) must be used for Delivery.

<u>Code</u>	<u>Name</u>
O2	Originating Company
SF	Ship From
ST	Ship To

N102	93	Name	C	AN	1/60	Used
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**Description:** Free-form name

N103	66	Identification Code Qualifier	C	ID	1/2	Used
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<u>Code</u>	<u>Name</u>
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

N104	67	Identification Code	C	AN	2/80	Used
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**Description:** D-U-N-S+4, D-U-N-S Number with Four Character Suffix

# HL

## Hierarchical Level (Order)

Pos: 030	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must use

### 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>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	M	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use

<u>Code</u>	<u>Name</u>
O	Order

### User Note 1:

*This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and Item.*

# TDS Total Monetary Value Summary

Pos: 180	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the total invoice discounts and amounts

**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>
TDS01	610	Amount	M	N2	1/15	Must use

**Description:** Total invoice amount (including charges and allowances)

# HL Hierarchical Level (Tare)

Pos: 030	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must use

### 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>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	M	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use

<u>Code</u>	<u>Name</u>
T	Shipping Tare

### User Note 1:

*This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and Item.*

# PAL Pallet Information

Pos: 300	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

**User Option (Usage):** Used

**Purpose:** To identify the type and physical attributes of the pallet, and, gross weight, gross volume, and height of the load and the pallet

## 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>
PAL01	883	Pallet Type Code	O	ID	1/2	Used

**Description:** Pallet type code - can be any # 1-7

# MAN Marks and Numbers

Pos: 310	Max: 10
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To indicate identifying marks and numbers for shipping containers

## 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>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use
<b>Description:</b> Code specifying the application or source of Marks and Numbers (87)						
		<u>Code</u>		<u>Name</u>		
		GM		EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier		
MAN02	87	Marks and Numbers	M	AN	1/48	Must use
<b>Description:</b> Must be 20-character license plate						

# HL

## Hierarchical Level (Item)

Pos: 030	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

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

**Purpose:** This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and 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>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
HL02	734	Hierarchical Parent ID Number	M	AN	1/12	Used
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		<u>Code</u>		<u>Name</u>		
		I		Item		

### User Note 1:

*This segment is required for each hierarchical level, which includes the Order, Tare, Pack, and Item.*

# IT1

## Baseline Item Data (Invoice)

Pos: 370	Max: 1
Detail - Optional	
Loop: HL	Elements: 7

**User Option (Usage):** Used

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

### 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>
IT101	350	<b>Assigned Identification</b>	O	AN	1/20	Used
		<b>Description:</b> Line number must be in sequential order (1, 2, 3, 4, etc.) for each pallet				
IT102	358	<b>Quantity Invoiced</b>	C	R	1/10	Used
		<b>Description:</b> Number of units invoiced (supplier units)				
IT103	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>		<u>Name</u>		
		CA		Case		
		EA		Each		
IT104	212	<b>Unit Price</b>	C	R	1/17	Used
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
IT105	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Not used
		<b>Description:</b> Code identifying the type of unit price for an item				
IT106	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Used
		<b>User Note 1:</b> We expect a full UCC-12, which is a 12 digit # which includes the check digit				
		<u>Code</u>		<u>Name</u>		
		UP		UCC - 12		
IT107	234	<b>Product/Service ID</b>	C	AN	1/48	Used
		<b>Description:</b> U.P.C. Consumer Package Code (1-5-5-1)				



# PO4 Item Physical Details

Pos: 390	Max: 1
Detail - Optional	
Loop: HL	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	O	N0	1/6	Used

**Description:** The number of selling units per case

# PID Product/Item Description

Pos: 450	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

**Purpose:** To describe a product or process in coded or free-form format

## 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>
PID01	349	Item Description Type	M	ID	1/1	Must use

**Description:** Code indicating the format of a description

<u>Code</u>	<u>Name</u>
F	Free-form

PID05	352	Description	C	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 490	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

**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
		<u>Code</u> <u>Name</u>				
		A            Allowance				
		C            Charge				
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4	Used
		<u>Code</u> <u>Name</u>				
		A400        Allowance Non-performance				
		C090        Deposit Charges				
		H625        Tax - Beverage Tax				
SAC08	118	Rate	O	R	1/9	Used
		<b>Description:</b> Allowance or Charge rate per selling unit				

### User Note 1:

Example-1

```

ST*857*0001~
BHT*0001*00*43565702*20211006*0000~
HL*1**S~
G05*275*EA~
DTM*067*20211006*0000~
N9*19*705~
N1*SF*FRITO LAY DC EVERETT WA*9*007326879~
N1*ST*QFC #851*9*0274647000851~
HL*2*1*O~
TDS*86537~
HL*3*2*T~
PAL*6~
MAN*GM*00000284003841660181~
HL*4*3*I~
    
```

IT1\*1\*24\*EA\*3.01\*\*UP\*028400199148~

PO4\*1~

PID\*F\*\*\*\*12CT 3.79 LB REG~

SAC\*A\*F800\*\*\*\*\*0~

HL\*5\*3\*I~

IT1\*2\*24\*EA\*3.01\*\*UP\*028400199612~

PO4\*1~

PID\*F\*\*\*\*12CT 3.49 LB BBQ~

SAC\*A\*F800\*\*\*\*\*0~

HL\*6\*3\*I~

IT1\*3\*24\*EA\*3.01\*\*UP\*028400043809~

PO4\*1~

PID\*F\*\*\*\*12CT 3.79 LB WAVY REGULAR~

SAC\*A\*F800\*\*\*\*\*0~

HL\*7\*3\*I~

IT1\*4\*24\*EA\*3.01\*\*UP\*028400199636~

PO4\*1~

PID\*F\*\*\*\*12 CT REG 3.79 LB SCO~

SAC\*A\*F800\*\*\*\*\*0~

HL\*8\*3\*I~

IT1\*5\*12\*EA\*3.07\*\*UP\*028400679114~

PO4\*1~

PID\*F\*\*\*\*6CT 3.99 MT RF SIM SSR~

SAC\*A\*F800\*\*\*\*\*0~

HL\*9\*3\*I~

IT1\*6\*15\*EA\*3.07\*\*UP\*028400589239~

PO4\*1~

PID\*F\*\*\*\*5 CT REG 3.99 MT ORG BLU~

SAC\*A\*F800\*\*\*\*\*0~

HL\*10\*3\*I~

IT1\*7\*24\*EA\*3.07\*\*UP\*028400071659~

PO4\*1~  
PID\*F\*\*\*\*12 CT REG 3.99 MTN PUF WHC~  
SAC\*A\*F800\*\*\*\*\*0~  
HL \*11\*3\*I~  
IT1\*8\*20\*EA\*3.07\*\*UP\*028400171816~  
PO4\*1~  
PID\*F\*\*\*\*10CT 3.99 MT CT SMP WHD~  
SAC\*A\*F800\*\*\*\*\*0~  
HL \*12\*3\*I~  
IT1\*9\*12\*EA\*3.07\*\*UP\*028400073721~  
PO4\*1~  
PID\*F\*\*\*\*6CT 3.99 MTN THCT SL~  
SAC\*A\*F800\*\*\*\*\*0~  
HL \*13\*3\*I~  
IT1\*10\*28\*EA\*3.35\*\*UP\*028400517966~  
PO4\*1~  
PID\*F\*\*\*\*7 CT REG 4.29 BTSZ RDS TO~  
SAC\*A\*F800\*\*\*\*\*0~  
HL \*14\*3\*I~  
IT1\*11\*20\*EA\*3.35\*\*UP\*028400517942~  
PO4\*1~  
PID\*F\*\*\*\*5CT 4.29 LIM TOSTITO RSTC~  
SAC\*A\*F800\*\*\*\*\*0~  
HL \*15\*3\*I~  
IT1\*12\*20\*EA\*3.35\*\*UP\*028400517997~  
PO4\*1~  
PID\*F\*\*\*\*5CT 4.29 TO RSTC~  
SAC\*A\*F800\*\*\*\*\*0~  
HL \*16\*3\*I~  
IT1\*13\*28\*EA\*3.35\*\*UP\*028400064088~  
PO4\*1~

PID\*F\*\*\*\*7 CT REG 4.29 SCP TOSTITO~

SAC\*A\*F800\*\*\*\*\*0~  
SE\*79\*0001~

EXAMPLE-2

ST\*857\*0001~

BHT\*0001\*00\*09222080\*20211007\*\*RD~

HL\*1\*\*S~

G05\*7\*CA~

DTM\*067\*20211007~

N9\*19\*708~

N1\*SF\*PBG Chicago IL\*9\*091422246~

N1\*ST\*FOOD-4-LESS 00551\*9\*0381769210551~

HL\*2\*1\*O~

TDS\*-3347~

N9\*IK\*09222080~

HL\*3\*2\*T~

PAL\*6~

MAN\*GM\*00000000000009222080~

HL\*4\*3\*I~

IT1\*1\*1\*EA\*7.5\*\*UP\*012000504051~

PO4\*4~

PID\*F\*\*\*\*16.9OZ PL PEPSI 6/4S~

SAC\*A\*F800\*\*\*\*\*-4.03~

HL\*5\*3\*I~

IT1\*2\*1\*EA\*7.5\*\*UP\*012000809941~

PO4\*2~

PID\*F\*\*\*\*12OZ CN PEPSI 12/2FM~

SAC\*A\*F800\*\*\*\*\*-2.5~

HL\*6\*3\*I~

IT1\*3\*4\*EA\*7.5\*\*UP\*012000809965~

PO4\*2~

PID\*F\*\*\*\*12OZ CN MDEW 12/2FM~

SAC\*A\*F800\*\*\*\*\*-2.5~

HL\*7\*3\*I~

IT1\*4\*1\*EA\*7.5\*\*UP\*012000013225~

PO4\*2~

PID\*F\*\*\*\*12OZ CN MAN SOL APL 12/2FM~

SAC\*A\*F800\*\*\*\*\*-2.5~

SE\*35\*0001~