



810 Invoice

X12/V5010/810 : 810 Invoice

Version: 1.0 Draft

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Company:	KROGER
Publication:	3/12/2024
Trading Partner:	Supplier
Notes:	Kroger Modernized Systems - Inbound Invoice

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810 Invoice

Functional Group=IN

Notes:

2/1800L Item level allowance/charge

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
0200	BIG	Beginning Segment for Invoice	M	1		
0400	CUR	Currency	O	1		
LOOP ID - N1					200	
0700	N1	Party Identification	M	1		
LOOP ID - N1					200	
0700	N1	Party Identification	M	1		
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - IT1					200000	
0100	IT1	Baseline Item Data (Invoice)	M	1		
LOOP ID - SAC					>1	N2/1800L
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
0100	TDS	Total Monetary Value Summary	M	1		
LOOP ID - SAC					>1	
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

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>
BIG01	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
Note:						
<i>Invoice issue date can NOT be in the future</i>						
BIG02	76	Invoice Number	M	AN	1/22	Must use
Description: Identifying number assigned by issuer						
BIG03	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
Note:						
<i>Purchase order issue date.</i>						
BIG04	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
Note:						
<i>For VMI invoices: the purchase order number must be the Kroger assigned purchase order number.</i>						

CUR Currency

Pos: 0400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a 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>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use

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

All valid standard codes are used.

CUR02	100	Currency Code	M	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified

Note:

Only required if not US Dollars

N1 Party Identification

Pos: 0700	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

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
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		Code Name				
		VN Vendor				
N102	93	Name	X	AN	1/60	Must use
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Must use
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code Name				
		92 Assigned by Buyer or Buyer's Agent				
N104	67	Identification Code	X	AN	2/80	Must use
		Description: Code identifying a party or other code				
		Note:				
		<i>Supplier Site ID - Kroger assigned numeric identifier that specifies a supplier's ship from location(s) and is associated to an order address in Kroger's Supplier Hub. This should be the Supplier Site ID (VN) from the purchase order.</i>				

N1 Party Identification

Pos: 0700	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

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
Description: Code identifying an organizational entity, a physical location, property or an individual						
Code Name						
ST Ship To						
N102	93	Name	X	AN	1/60	Used
Description: Free-form name						
N103	66	Identification Code Qualifier	X	ID	1/2	Must use
Description: Code designating the system/method of code structure used for Identification Code (67)						
Code Name						
9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix						
N104	67	Identification Code	X	AN	2/80	Must use
Description: Code identifying a party or other code						
Note:						
The ST (ship to) will provide the Kroger location DUNS+4 number. Please refer to https://edi.kroger.com/EDIPortal/EDIGuideAndReq_OcadoGroup.html under Location DUNS for a list of all the Kroger ship to locations and DUNS+4 suffix. This should be the Ship To DUNS+4 from the purchase order being invoiced.						

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 5

Purpose: To specify terms of sale

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>
ITD03	338	Terms Discount Percent	O	R	1/6	Used
		Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date				
ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
		Description: Number of days in the terms discount period by which payment is due if terms discount is earned				
ITD06	446	Terms Net Due Date	O	DT	8/8	Used
		Description: Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year				
ITD07	386	Terms Net Days	O	N0	1/3	Used
		Description: Number of days until total invoice amount is due (discount not applicable)				
ITD08	362	Terms Discount Amount	O	N2	1/10	Used
		Description: Total amount of terms discount				

Note:

Terms begin once product and invoice are received

IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 7

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT102	358	Quantity Invoiced	X	R	1/15	Must use

Description: Number of units invoiced (supplier units)

IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
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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

IT104	212	Unit Price	X	R	1/17	Must use
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Description: Price per unit of product, service, commodity, etc.

IT106	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Note:

you must send at least 1 of the item formats from the PO

Code Name

PI Purchaser's Item Code
 UK GTIN 14-digit Data Structure
 UP UCC - 12

IT107	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Note:

Only send 1 reference item format (UK/UP)

Code Name

PI Purchaser's Item Code
 UK GTIN 14-digit Data Structure
 UP UCC - 12

IT109	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

SAC Service, Promotion, Allowance, or Charge Information

Pos: 1800	Max: 1
Detail - Optional	
Loop: SAC	Elements: 3

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

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
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Description: Code identifying the service, promotion, allowance, or charge

Note:

Please refer to https://edi.kroger.com/EDIPortal/EDIGuideAndReq_OcadoGroup.html for a list of valid allowance/charge codes at the invoice and item level.

SAC08	118	Rate	O	R	1/9	Used
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Description: Rate expressed in the standard monetary denomination for the currency specified

Note:

The rate is based on the same UOM (IT103) as the previous item/IT1 segment . You must provide the decimal on the rate. Allowance rates must be negative; charge rates must be positive.

Note:

This SAC segment is for Item level allowance/charge.

More than 1 SAC segment with the same allowance/charge code under an item will cause your invoice to fail. You should combine the values into a single total and send with only 1 SAC segment for that allowance/charge code.

TDS Total Monetary Value Summary

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

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: Monetary amount

Note:

The total invoice amount (item quantities times item cost, adjusted with any item allowance/charge; totaled for all items; adjusted with any invoice allowance/charge)

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	Max: 1
Summary - Optional	
Loop: SAC	Elements: 3

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 All valid standard codes are used.						
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
Description: Code identifying the service, promotion, allowance, or charge Note: Please refer to https://edi.kroger.com/EDIPortal/EDIGuideAndReq_OcadoGroup.html for a list of valid allowance/charge codes at the invoice and item level.						
SAC05	610	Amount	O	N2	1/15	Used
Description: Monetary amount Note: Monetary amount, 2 decimals are implied on the amount. Allowance amounts must be negative; charge amounts must be positive						

Note:

*This SAC segment is for Invoice level allowance/charge.
 More than 1 SAC segment with the same allowance/charge code on the invoice level will cause your invoice to fail.
 You should combine the values into a single total and send with only 1 SAC segment for that allowance/charge code.*

Data Sample:

810 INVOICE Data EXAMPLES

Minimum 810 Invoice

ST*810*0001~
 BIG*20210520*5615789**900000004801~
 N1*VN*VENDOR NAME*92*123456~
 N1*ST*KROGER OCADO - MONROE*9*1178579681001~
 IT1**2*CA*9.6**UK*10120009998646~
 IT1**2*CA*9.6**UK*10120009990224~
 TDS*3840~
 SE*8*0001~

There are 3 item and UOM format options - Item format must match the item format from the PO

Case items with Case quantity, UOM and price

ST*810*0001~
 BIG*20210520*5615789**900000004801~
 N1*VN*VENDOR NAME*92*123456~
 N1*ST*KROGER OCADO - MONROE*9*1178579681001~
 IT1**2*CA*9.6**UK*10120009998646~
 PID*F***ITEM1 Description~
 IT1**2*CA*9.6**UK*10120009990224~
 PID*F***ITEM2 Description~
 TDS*3840~
 SE*10*0001~

Consumer items with Each quantity, UOM and price

ST*810*0001~
 BIG*20210520*5615789**900000004801~
 N1*VN*VENDOR NAME*92*123456~
 N1*ST*KROGER OCADO - MONROE*9*1178579681001~
 IT1**24*EA*.8**UP*012000999864~
 PID*F***ITEM1 Description~
 IT1**24*EA*.8**UP*012000999022~
 PID*F***ITEM2 Description~
 TDS*3840~
 SE*10*0001~

Consumer items with Case quantity, UOM and price

ST*810*0001~
 BIG*20210520*5615789**900000004801~
 N1*VN*VENDOR NAME*92*123456~
 N1*ST*KROGER OCADO - MONROE*9*1178579681001~
 IT1**2*CA*9.6**UP*012000999864~
 PID*F***ITEM1 Description~
 IT1**2*CA*9.6**UP*012000999022~
 PID*F***ITEM2 Description~
 TDS*3840~
 SE*10*0001~

Invoice with Item Level and Invoice Level Allowance

ST*810*0001~
 BIG*20210520*5615789**900000004801~
 N1*VN*VENDOR NAME*92*123456~
 N1*ST*KROGER OCADO - MONROE*9*1178579681001~
 IT1**2*CA*9.6**UK*10120009998646~
 PID*F***ITEM1 Description~
 IT1**2*CA*9.6**UK*10120009990224~
 PID*F***ITEM2 Description~
 SAC*A*B010*****.10*****10 cents off per case; ITEM LEVEL ALLOWANCE~
 TDS*3500~
 SAC*A*I410***_320*****Unsaleable allowance of \$3.20; INVOICE LEVEL ALLOWANCE~
 SE*12*0001~

Invoice with Item Level and Invoice Level Charge

ST*810*0001~
 BIG*20210520*5615789**900000004801~
 N1*VN*VENDOR NAME*92*123456~
 N1*ST*KROGER OCADO - MONROE*9*1178579681001~
 IT1**2*CA*9.6**UK*10120009998646~
 PID*F***ITEM1 Description~
 IT1**2*CA*9.6**UK*10120009990224~
 PID*F***ITEM2 Description - 12 Bottles~
 SAC*C*C090*****1.20*****10 cents per bottle;\$1.20 per case; ITEM LEVEL CHARGE~
 TDS*4580~
 SAC*C*D240***500*****Freight charge of \$5.00; INVOICE LEVEL CHARGE~
 SE*12*0001~