

KOHLER COMPANY 004010 VENDOR INVOICE LAYOUT (810)

ISA Field	ISA Field Number	Description	X12 - Requirement M = Mandatory O = Optional C = Conditional MANDATORY	X12 - Type	X12 - Size	Koher - Requirement M = Mandatory O = Optional C = Conditional MANDATORY	Kohler Description
ISA - Interchange Control Header							
ISA01	101	Authorization Info. Qualifier	M	ID	2/2	M	"00"
ISA02	102	Authorization Information	M	AN	10/10	M	SPACES
ISA03	103	Security Information Qualifier	M	ID	2/2	M	"00"
ISA04	104	Security Information	M	AN	10/10	M	SPACES
ISA05	105	Interchange ID Qualifier	M	ID	2/2	M	Your Interchange ID qualfier
ISA06	106	Interchange Sender ID	M	AN	15/15	M	Your Interchange ID
ISA07	105	Interchange ID Qualifier	M	ID	2/2	M	"ZZ"
ISA08	107	Interchange Receiver ID	M	AN	15/15	M	"KOHLEVRNDRP" for Kohler Plumbing Division "SPGVNDRP" for Sterling Division "ENGVNDRP" for Engine Division "GENVNDRP" for Generator Division "CORVNDRP" for Corporate Division
ISA09	108	Interchange Date	M	DT	6/6	M	Date of X12 Document Creation
ISA10	109	Interchange Time	M	TM	4/4	M	Time of X12 Document Creation
ISA11	110	Interchange Control Standards ID	M	ID	1/1	M	"U"
ISA12	111	Interchange Control Version Number	M	ID	5/5	M	"00401"
ISA13	112	Interchange Control Number	M	NO	9/9	M	Sequential ISA control number - must be a unique number that does not repeat
ISA14	113	Acknowledgment Requested	M	ID	1/1	M	"0"
ISA15	114	Test Indicator	M	ID	1/1	M	"P" - for Production EDI Documents "T" - for Test EDI Documents
ISA16	115	Sub-element Separator	M	AN	1/1	M	Hex 3A or ":"
GS - Functional Group Header			MANDATORY			MANDATORY	
GS01	479	Functional Identifier Code	M	ID	2/2	M	"IN"
GS02	142	Application Sender's Code	M	AN	2/15	M	Your GS Sender Code
GS03	124	Application Receiver Code	M	AN	2/15	M	"KOHLEVRNDRP" for Kohler Plumbing Division "SPGVNDRP" for Sterling Division "ENGVNDRP" for Engine Division "GENVNDRP" for Generator Division "CORVNDRP" for Corporate Division
GS04	29	Data Interchange Date	M	DT	8/8	M	Date of X12 Document Creation
GS05	30	Data Interchange Time	M	TM	4/8	M	Time of X12 Document Creation
GS06	28	Data Interchange Control Number	M	NO	1/9	M	Sequential GS control number - must be a unique number that does not repeat
GS07	455	Responsible Agency Code	M	ID	1/2	M	"X"
GS08	480	Version/Release/Industry ID Code	M	AN	1/12	M	"004010"
ST - Transaction Set Header			MANDATORY			MANDATORY	
ST01	143	Transaction Set ID	M	ID	3/3	M	"810"
ST02	329	Transaction Set Control Number	M	AN	4/9	M	Sequential number starting from "1" and incrementing by "1". Resets for each new GS envelope

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BIG Beginning Segment for Invoice			MANDATORY			MANDATORY	
BIG01	245	Date (Invoice)	M	DT	8/8	M	Invoice Date
BIG02	76	Invoice Number	M	AN	1/22	M	Invoice Number
BIG03	373	Date (PO)	O	DT	8/8	M	PO Date (from the 850 BEG05 field)
BIG04	324	P.O. Number	O	AN	1/22	M	Kohler's P.O. number (from the 850 BEG03 field)
BIG06	327	Chg. Order Seq. Number	O	AN	1/8	M	Kohler's P.O. seq. Num (from the 850 BEG04 field)
BIG07	640	Transaction Type Code	O	ID	2/2	M	"CN" - Credit Invoice "DI" - Debit Invoice

CUR - Currency

			MANDATORY			MANDATORY	
CUR01	98	Entity ID	M	ID	2/3	M	"ZZ"
CUR02	100	Currency Code	M	ID	3/3	M	"USD" - U.S. Dollars "CAD" - Canadian Dollars

Note: Currency Code must be sent back on the invoice, if it is not processing of the Invoice may be delayed.
Kohler Co. Will assume that the Currency Code is USD unless it is sent.
If the currency code on the invoice does not match that of the PO, the Invoice could be held up during processing

REF - Reference Number

			OPTIONAL			OPTIONAL	
REF01	128	Reference Number Qualifier	M	ID	2/3	M	"S5" - Routing Instruction #
REF02	127	Reference Number	C	AN	1/30	C	Routing Description

REF - Reference Number

			OPTIONAL			MANDATORY*	
REF01	128	Reference Number Qualifier	M	ID	2/3	M	"BM" - Bill of Lading
REF02	127	Reference Number	C	AN	1/30	C	Bill of Lading Number

REF - Reference Number

			OPTIONAL			MANDATORY*	
REF01	128	Reference Number Qualifier	M	ID	2/3	M	"08" - Shipment Tracking Number
REF02	127	Reference Number	C	AN	1/30	C	Shipment Tracking Number

Note: One of the above mandatory REF Segements are required. Both can be sent but only one is required (either the REF with a 'BM' qualifier or the REF with a '08' qualifier)

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ISA Field	ISA Field Number	Description	X12 - Requirement	X12 - Type	X12 - Size	Koher - Requirement	Kohler Description
Supplier Address Structure			MANDATORY			MANDATORY	
N1 - Name			MANDATORY			MANDATORY	
N101	98	Entity Identifier	M	ID	2/3	M	"SU" - Supplier
N102	93	Name	C	AN	1/60	O	Supplier Name
N103	66	Identification Code Qualifier	C	ID	1/2	M	"92" - Assigned by Buyer
N104	67	Identification Code	C	AN	2/80	M	Kohler's Assigned Supplier Number (from the 850 N1(SU) segment - N104)
Ship To Address Structure			OPTIONAL			OPTIONAL	
N1 - Name			MANDATORY			OPTIONAL	
N101	98	Entity Identifier	M	ID	2/3	M	"ST" - SHIP TO
N102	93	Name	C	AN	1/60	M	Ship to location
N103	66	Identification Code Qualifier	C	ID	1/2	M	"92" - Assigned by Buyer
N104	67	Identification Code	C	AN	2/80	M	Kohler's Assigned Plant Code (from the 850 N1(ST) segment - N104)
Bill To Address Structure			MANDATORY			MANDATORY	
N1 - Name			MANDATORY			MANDATORY	
N101	98	Entity Identifier	M	ID	2/3	M	"BT" - Bill to
N102	93	Name	C	AN	1/60	M	Bill to name (from the 850 N1(BT) segment - N102)
Ship From Address Structure			OPTIONAL			OPTIONAL	
N1 - Name			OPTIONAL			OPTIONAL	
N101	98	Entity Identifier	M	ID	2/3	M	"SF" - Ship From
N102	93	Name	C	AN	1/60	M	Ship From Name
N103	66	Identification Code Qualifier	C	ID	1/2	M	"92" - Assigned by Buyer
N104	67	Identification Code	C	AN	2/80	M	Kohler's Assigned Supplier Number (from the 850 N1(SF) segment - N104)
Note: The Ship From Address Structure is only required if sent on the original PO							
Issuer of Invoice Address Structure			MANDATORY			MANDATORY	
N1 - Name			MANDATORY			MANDATORY	
N101	98	Entity Identifier	M	ID	2/3	M	"II" - Invoice Issuer
N102	93	Name	C	AN	1/60	C	Invoice Issue name
N103	66	Identification Code Qualifier	C	ID	1/2	M	"92" - Assigned by Buyer
N104	67	Identification Code	C	AN	2/80	M	Kohler's Assigned Invoice Presented By Number (from the 850 N1(II) segment - N104)

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ISA Field	ISA Field	Description	X12 - Requirement	X12 - Type	X12 - Size	Koher - Requirement	Kohler Description
ITD - Terms of Sale/Deferred Terms	Number		OPTIONAL			MANDATORY	
ITD12	352	Description	O	AN	1/80	M	Free form description of the payment terms

DTM Date segment

			OPTIONAL			OPTIONAL	
DTM01	374	Date/Time Qualifier	M	ID	3/3	M	"011"
DTM02	373	Date	M	DT	8/8	M	Shipped Date

Group IT1 – Loop Structure – 1:200000 (IT1-CTP-N1)

IT1 Invoice Item Data

			MANDATORY			MANDATORY	
IT101	350	Assigned Identity	O	AN	1/20	M	Original PO Line Number (from the 850 PO101 field)
IT102	358	Quantity Invoiced	C	R	1/10	M	Quantity Invoiced
IT103	355	Unit of Measure Code	C	ID	2/2	M	Unit Of Measure (from the 850 PO103 field)
IT104	212	Unit Price	C	R	1/17	M	Unit Price - Up to 5 decimals (from the 850 PO104 field)
IT106	235	Prod/Service ID Qualifier	C	ID	2/2	O	"VP"
IT107	234	Prod/Service ID	C	AN	1/48	C	Vendor's Part #
IT108	235	Prod/Service ID Qualifier	C	ID	2/2	M	"BP"
IT109	234	Prod/Service ID	C	AN	1/48	M	Buyer's Part #
IT110	235	Prod/Service ID Qualifier	C	ID	2/2	O	"UD" - 13 Digit UPC "UP" - 12 Digit UPC "UI" - 11 Digit UPC
IT111	234	Prod/Service ID	C	AN	1/48	C	UPC Code

Note: The IT104 Field is only used if the CTP10 field is not equal to "1".

Kohler Requires a minimum of the BP qualified - Buyers Part Number to be sent back on the Invoice.

The extended value of the line item will be calculated by multiplying the quantity invoiced (IT102) by the price (CTP03) and dividing by the Pricing Quantity (CTP10).

CTP – Pricing Information

			MANDATORY			MANDATORY	
CTP02	236	Price ID Code	C	ID	3/3	M	"ICL" - Unit Price Through Quantity
CTP03	212	Price	C	R	1/17	M	Item Price (invoice price)
CTP10	499	Condition Value	O	AN	1/10	M	Pricing Quantity (from the 850 CTP10 field)

Kohler requires a CTP segment to be returned for each line item (IT1) on the 810 invoice. The CTP segment will be used to transmit the invoice price and pricing quantity for the item in the IT1 segment. The value in the CTP10 field is the pricing quantity - this value must match the value sent in the CTP10 segment for the line item on the original 850 purchase order. The value in the CTP03 field is the price for the item based on the pricing quantity (this can be the price sent by Kohler or an updated price if it has changed since the PO was originally submitted). For example, if an item is priced at \$50.00 per 1000 units, CTP03 will = 50.00 and CTP10 will = 1000.

Line Item Ship To Address Structure N1 - Name

			OPTIONAL			OPTIONAL	
			MANDATORY			OPTIONAL	
N101	98	Entity Identifier	M	ID	2/3	M	"ST" - SHIP TO
N102	93	Name	C	AN	1/60	M	Ship to location
N103	66	Identification Code Qualifier	C	ID	1/2	M	"92" - Assigned by Buyer
N104	67	Identification Code	C	AN	2/80	M	Kohler's Assigned Plant Code

Note: The Ship To Address Structure at the line item level is only required if sent on the original PO at the line item level

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ISA Field	ISA Field Number	Description	X12 - Requirement MANDATORY	X12 - Type	X12 - Size	Koher - Requirement MANDATORY	Kohler Description
TDS - Total Monetary Value Summary							
TDS01	610	Amount	M	N2	1/15	M	Total Net Invoice Value including Tax if applicable
TXI - Tax Information			OPTIONAL			OPTIONAL	
TXI01	963	Tax Type Code	M	ID	2/2	M	"SL" - State and Local Tax
TXI02	782	Monetary Amount	C	R	1/18	C	Tax Amount
TXI03	954	Percent	C	R	1/10	C	Tax Rate (Optional data)
CTT - Transaction Totals			MANDATORY			MANDATORY	
CTT01	354	Number of Line Items	M	NO	1/6	M	Count of the number Of Line Items on Purchase Order
CTT02	347	Hash Totals	O	R	1/10	M	Total number of parts ordered – total of all PO102's
SE - Transaction Set Trailer			MANDATORY			MANDATORY	
SE01	96	Number of Included Segments	M	NO	1/10	M	Total Number of segments between and including the ST / SE segments
SE02	329	Transaction Set Control Number	M	AN	4/9	M	Same as ST Control number
GE - Functional Group Trailer			MANDATORY			MANDATORY	
GE01	97	Number of Transaction Sets Included	M	NO	1/6	M	Total Number of GS / GE Loops withinn the ISA / IEA Loop
GE02	28	Data Interchange Control Number	M	NO	1/9	M	Same as GS Control Number
IEA - Interchange Control Trailer			MANDATORY			MANDATORY	
IEA01	I16	Number of Included Functional Groups	M	NO	1/5	M	Total Number of GS / GE Loops withinn the ISA / IEA Loop
IEA02	I12	Interchange Control Number	M	NO	9/9	M	Same as ISA Control Number

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	Number		Requirement	Type	Size	Requirement	

SAMPLE X12 DATA:

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ISA*00*      *00*      *ZZ*YOUR ID  *ZZ*KOHLERVNDRP  *050503*1452*U*00401*000000091*0*P*:
GS*IN*YOUR ID*KOHLERVNDRP*20050503*1452*91*X*004010
ST*810*0091
BIG*20050503*3104825*20050429*1001506599KS**28591992*DI
CUR*ZZ*USD
REF*BM*5859729
REF*S5*FCA - SHIPPING POINT
N1*SU*SUPPLIER INC*92*4161
N1*ST*KOHLER COMPANY*92*KS
N1*BT*ACCOUNTS PAYABLE DEPT. - PNA1
N1*II*SUPPLIER INC*92*4161
ITD*****NET 60 DAYS
DTM*011*20050503
IT1*00010*24*EA*5.84****BP*ES30191
CTP**ICL*5.84*****1
TDS*14016
CTT*1*24
SE*16*0091
GE*1*91
IEA*1*000000091
    
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