



810 Invoice  
CVS Oracle  
ANSI X12

Version 004010

# 810 Invoice - Cummins-Meritor CVS

Functional Group ID=IN

## Introduction:

This contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

## Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments	
Must Use	010	ST	Transaction Set Header	M	1			
Must Use	020	BIG	Beginning Segment for Invoice	M	1			
	040	CUR	Currency	O	1			
			LOOP ID - N1				200	
	070	N1	Name	O	1			

## Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments	
			LOOP ID - IT1				200000	
	010	IT1	Baseline Item Data (Invoice)	O	1			

## Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments	
Must Use	010	TDS	Total Monetary Value Summary	M	1			
			LOOP ID - SAC				25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			
	050	TXI	Tax Information	O	10			
	070	CTT	Transaction Totals	O	1		n1	
Must Use	080	SE	Transaction Set Trailer	M	1			

## Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

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Segment: **ST** Transaction Set Header  
Position: 010  
Loop:  
Level: Heading  
Usage: Mandatory  
Max Use: 1  
Purpose: To indicate the start of a transaction set and to assign a control number  
Syntax Notes:  
Semantic Notes: 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).  
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
		810 Invoice	
>>	ST02	329 Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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Segment: **BIG** Beginning Segment for Invoice  
Position: 020  
Loop:  
Level: Heading  
Usage: Mandatory  
Max Use: 1  
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes:

- 1 BIG01 is the invoice issue date.
- 2 BIG03 is the date assigned by the purchaser to purchase order.
- 3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

- 1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>N a m e</u>	<u>Attributes</u>
>> BIG01	373	Date Date expressed as CCYYMMDD	M DT 8/8
>> BIG02	76	Invoice Number Identifying number assigned by issuer	M AN 1/22
BIG07	640	Transaction Type Code Code specifying the type of transaction CI Consolidated Invoice	O ID 2/2

Segment: **CUR** Currency  
 Position: 040  
 Loop:  
 Level: Heading  
 Usage: Optional  
 Max Use: 1  
 Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction  
 Syntax Notes:  
 1 If CUR08 is present, then CUR07 is required.  
 2 If CUR09 is present, then CUR07 is required.  
 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.  
 4 If CUR11 is present, then CUR10 is required.  
 5 If CUR12 is present, then CUR10 is required.  
 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.  
 7 If CUR14 is present, then CUR13 is required.  
 8 If CUR15 is present, then CUR13 is required.  
 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.  
 10 If CUR17 is present, then CUR16 is required.  
 11 If CUR18 is present, then CUR16 is required.  
 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.  
 13 If CUR20 is present, then CUR19 is required.  
 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>N a m e</u>	<u>Attributes</u>
>>	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SE Selling Party M ID 2/3
>>	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified <i>Standard ISO</i>

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Segment: **N1** Name  
 Position: 070  
 Loop: N1 Optional  
 Level: Heading  
 Usage: Optional  
 Max Use: 1  
 Purpose: To identify a party by type of organization, name, and code  
 Syntax Notes:  
 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
 Semantic Notes:  
 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.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>N a m e</u>		<u>Attributes</u>
>> N101	98	Entity Identifier Code		M ID2/3
		Code identifying an organizational entity, a physical location, property or an individual		
		SE Selling Party		
N102	93	Name		X AN 1/60
		Free-form name		
N103	66	Identification Code Qualifier		X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
		92 Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code		X AN 2/80
		Code identifying a party or other code		
		<i>Vendor code assigned by Cummins-Meritor.</i>		

Segment: **IT1** Baseline Item Data (Invoice)  
 Position: 010  
 Loop: IT1 Optional  
 Level: Detail  
 Usage: Optional  
 Max Use: 1  
 Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
  - 2 If either IT106 or IT107 is present, then the other is required.
  - 3 If either IT108 or IT109 is present, then the other is required.
  - 4 If either IT110 or IT111 is present, then the other is required.
  - 5 If either IT112 or IT113 is present, then the other is required.
  - 6 If either IT114 or IT115 is present, then the other is required.
  - 7 If either IT116 or IT117 is present, then the other is required.
  - 8 If either IT118 or IT119 is present, then the other is required.
  - 9 If either IT120 or IT121 is present, then the other is required.
  - 10 If either IT122 or IT123 is present, then the other is required.
  - 11 If either IT124 or IT125 is present, then the other is required.

- Semantic Notes:
- 1 IT101 is the purchase order line item identification.
- Comments:
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
  - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: *Cummins-Meritor requires that miscellaneous charges not covered by the Summary Level ITA segment should be sent as line item data. A miscellaneous charge line item requires a value of 'NPN' as the part number and the charge description as a part*

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set <i>Required sequentially numbered</i>	O AN 1/20
IT102	358	Quantity Invoiced Number of units invoiced (supplier units)	X R 1/10
IT103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	X ID 2/2
IT104	212	Unit Price Price per unit of product, service, commodity, etc. <i>Price per unit of product Needs to include explicit two-digit decimal, i.e. 100.00</i>	X R 1/17
IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	X ID 2/2
IT107	234	Product/Service ID Identifying number for a product or service <i>Cummins-Meritor part number or 'NPN' to identify miscellaneous charge</i>	X AN 1/48
IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined	X ID 2/2
IT109	234	Product/Service ID	X AN 1/48

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Identifying number for a product or service

*Cummins-Meritor Account Information as follows: 3 characters - Organization  
8 characters - Account  
3 characters - Cost Center*

*Please see Appendix A for details to the account number needed for Oracle.*

IT110	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		PD Part Number Description		
IT111	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
		<i>Miscellaneous charge description</i>		

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Segment: **TDS** Total Monetary Value Summary  
Position: 010  
Loop:  
Level: Summary  
Usage: Mandatory  
Max Use: 1  
Purpose: To specify the total invoice discounts and amounts  
Syntax Notes:  
Semantic Notes:  
1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).  
2 TDS02 indicates the amount upon which the terms discount amount is calculated.  
3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).  
4 TDS04 indicates the total amount of terms discount.  
Comments: 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> TDS01	610	Total Invoice Amount Monetary amount <i>Total Invoice Amount</i> <i>This number needs to have implicit 2-digit decimal, i.e. \$1,234.56 = 123456</i>	M N2 1/15
TDS02	610	Amount Subject to Terms Discount Monetary amount	O N2 1/15
TDS03	610	Discounted Amount Due Monetary amount	O N2 1/15
TDS04	610	Terms Discount Amount Monetary amount	O N2 1/15

Segment: **SAC** Service, Promotion, Allowance, or Charge Information  
 Position: 040  
 Loop: SAC Optional  
 Level: Summary  
 Usage: Optional  
 Max Use: 1  
 Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:  
 1 At least one of SAC02 or SAC03 is required.  
 2 If either SAC03 or SAC04 is present, then the other is required.  
 3 If either SAC06 or SAC07 is present, then the other is required.  
 4 If either SAC09 or SAC10 is present, then the other is required.  
 5 If SAC11 is present, then SAC10 is required.  
 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.  
 7 If SAC14 is present, then SAC13 is required.  
 8 If SAC16 is present, then SAC15 is required.

Semantic Notes:  
 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. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.  
 3 SAC08 is the allowance or charge rate per unit.  
 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.  
 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.  
 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.  
 7 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 to further the code in SAC02.  
 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that an 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.

Notes: *Use for Freight Charges only; for tax charges, use the TXI segment.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified C Charge	M ID 1/1
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge <i>'FCD' - Freight Charges</i>	X AN 1/10
SAC05	610	Amount Monetary amount <i>Total Charge Amount</i>	O N2 1/15
SAC12	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge 06 Charge to be Paid by Customer	O ID 2/2
SAC15	352	Description A free-form description to clarify the related data elements and their content <i>Free-form</i>	X AN 1/80

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Segment: **TXI** Tax Information  
Position: 050  
Loop: SAC Optional  
Level: Summary  
Usage: Optional  
Max Use: 10  
Purpose: To specify tax information  
Syntax Notes: 1 At least one of TXI02 TXI03 or TXI06 is required.  
2 If either TXI04 or TXI05 is present, then the other is required.  
3 If TXI08 is present, then TXI03 is required.  
Semantic Notes: 1 TXI02 is the monetary amount of the tax.  
2 TXI03 is the tax percent expressed as a decimal.  
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.  
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	TXI01	963 Tax Type Code Code specifying the type of tax CA City Tax Service Tax imposed by City CG Federal Value-added Tax (GST) on Goods OH Other Taxes ST State Sales Tax SU Sales and Use Tax Tax on Equipment and Service provided TX All Taxes Total of all applicable taxes VA Value Added Tax ZZ Mutually Defined	M ID 2/2
	TXI02	782 Monetary Amount Monetary amount	X R 1/18

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Segment: **CTT** Transaction Totals  
Position: 070  
Loop:  
Level: Summary  
Usage: Optional  
Max Use: 1  
Purpose: To transmit a hash total for a specific element in the transaction set  
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.  
2 If either CTT05 or CTT06 is present, then the other is required.  
Semantic Notes:  
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	CTT01	354 Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	

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Segment: **SE** Transaction Set Trailer  
Position: 080  
Loop:  
Level: Summary  
Usage: Mandatory  
Max Use: 1  
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)  
Syntax Notes:  
Semantic Notes:  
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments M N0 1/10
>>	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set M AN 4/9

## Appendix A – Oracle Account Number Breakdown:

IT109 - Element should look like the following:

```
  1      2      3      4      5      6
####-#####-#####-#####-####-#####
```

The above element is made up of 6 sub-parts which are separated by dashes. The dashes must be used to separate each sub-part of the account value. All sub-parts of the account value must have a numeric value. So the complete value must be 33 characters long. Leading zeros are required.

Sub-part 1 is the plant identifier listed as:

```
Code = Plant [DUNS from 830]:

0225 = Laurinburg (Maxton) [19236168A]
0241 = Frankfort Brake [603569794]
0243 = Frankfort Trailer [043190110]
0249 = Manning [556378979]
0266 = Morristown [095047825]
0280 = York [045297967]
0300 = Asheville (Fletcher) [057174658]
0310 = Forest City [127750425]
0312 = Driveline Maxton [037907669]
```

Sub-parts 2 and 3 contain the Oracle account number that the part is to be charged. The first 5 digits belong in sub-part 2 and last 5 digits belong in sub-part 3. Usually sub-part 3 is all zeroes.

Sub-part 4 is the cost center or what some people call the department. This is the cost center/department which is supposed to receive the expense:

```
EG: 11110 = general factory
     12410 = facilities Engineering
     21110 = machining brake
     21215 = machining drum
```

The list goes on and on and can vary by plants.

Sub-part 5 is the Interco value. In this case it would always be zero

Sub-part 6 is the product line. In this case it would always be zero