EDI Specifications

810 Invoice

Version 001

Transaction: 810 – Invoice Transaction Segments

Area	Segment ID	Segment Name	Req Max	Loop Max			
H	ST	Transaction Set Header	M	1			
H	BIG	Beginning Segment for Invoice	M	1			
H	NTE	Note / Special Instruction	O	1			
H	REF	Reference Numbers	M	1			200
H	N1	Name - Vendor	M	1			
H	N3	Address Information	O	2			
H	N4	Geographic Location	O	1			
H	ITD	Terms of Sale / Deferred Terms of Sale	O	1			
H	FOB	F.O.B. Related Instructions	O	1			
D	IT1	Baseline Item Data (Invoice)	M	1		200,000	
D	PID	Product / Item Description	O	1			
D	SAC	Service, Promotion Allowance / Charges	O	10	10		
S	TDS	Total Monetary Value Summary	M	1			
S	CAD	Carrier Detail	M	1			
S	SAC	Service, Promotion Allowance / Charges	O	10		10	
S	ISS	Invoice Shipment Summary	M	1			
S	CTT	Transaction Totals	M	1			
S	SE	Transaction Set Trailer	M	1			

Transaction: 810 - Invoice
Segment: ISA - Interchange Control Header

Segment	Element	Element Description	Accepted Values
ISA	ISA 01 / I01	Authorized Information Qualifier	"00" Not Present
	ISA 02 / I02	Authorized Information	blank
	ISA 03 / I03	Security Information Qualifier	"00" Not Present
	ISA 04 / I04	Security Information	blank
	ISA 05 / I05	Interchange ID Qualifier	Your Company's Qualifier "01"or "08"or "12"…etc
	ISA 06 / I06	Interchange Sender ID	Your Company's ID Code
	ISA 07 / I05	Interchange ID Qualifier	"01" – AAP's Duns Number
	ISA 08 / I07	Interchange Receiver ID	"007941529" AAP's ID Code
	ISA 09 / I08	Interchange Date	YYMMDD
	ISA 10 / I09	Interchange Time	HHMM
	ISA 11 / I10	Interchange Control ID	"U" - U.S. EDI Community
	ISA 12 / I11	Interchange Version Number	"00401" - ANSI X12
	ISA 13 / I12	Interchange Control Number	Sequentially Assigned Number
	ISA 14 / I13	Acknowledgment Requested	"0" - Ack. Requested - No
	ISA 15 / I14	Production/Test Indicator	"P" - Production
	ISA 16 / I15	Subelement Separator	">"

ISA Example:

ISA*00**00**Your Qualifier*Your ID*01*007941529*110324*0915*U*00401*000000123*0*P*>n/l

Transaction: 810 - Invoice
Segment: GS - Functional Group Header

Segment	Element	Element Description	Accepted Values
GS	GS 01 / 479	Functional ID Code	"IN" - Invoice
	GS 02 / 142	Application Sender Code	Your Company's ID
	GS 03 / 124	Application Receiver Code	"007941529" – AAP's ID Code
	GS 04 / 373	Date	YYYYMMDD
	GS 05 / 337	Time	HHMM
	GS 06 / 28	Group Control Number	Sequentially Assigned Number
	GS 07 / 455	Responsible Agency Code	"X" - X12
	GS 08 / 480	Version / Release ID Code	"004010"

GS Example:

GS*IN*Your ID*007941529*20110324*0915*000000234*X*004010n/l

Transaction: 810 - Invoice
Segment: ST - Transaction Set Header

The ST segment indicates the transaction set number and specifies a transaction set control number for audit and control. The same transaction set control number will appear in the SE segment.

Segment	Element	Element Description	Accepted Values
ST	ST 01 / 143	Transaction Set ID Code	"810" - Invoice
	ST 02 / 329	Transaction Set Control Number	Sequentially Assigned Number

ST Example:

ST*810*000456789n/l

Transaction: 810 - Invoice
Segment: BIG - Beginning Segment for Invoice

The BIG segment indicates the beginning of an invoice transaction set. It is used to provide the invoice date, invoice number, and the purchase order number. Only one purchase order may be referenced per invoice.

Segment	Element	Element Description	Accepted Values
BIG	BIG 01 / 373	Invoice Date	YYYYMMDD
	BIG 02 / 076	Invoice Number	Assigned by seller
	BIG 03 / 373	Purchase Order Date	YYYYMMDD
	BIG 04 / 324	Purchase Order Number	PO Number
	BIG 07 / 640	Transaction Type Code	"DR"- Debit Invoice "CR"- Credit Memo

BIG Example:

BIG*20110324*318571*20110324*0010125***DRn/l

Notes

1.   Only ONE purchase order may be referenced per invoice..

2.   BIG07 only mandatory if the transaction is a CR - Credit Memo

Transaction: 810 - Invoice
Segment: NTE - Note / Special Instruction (Optional)

The NTE segment is used to communicate any non-standard notes or comments. This does not have to be on every order. Advance Auto Parts will retain only the first NTE.

Segment	Element	Element Description	Accepted Values
NTE	NTE 01 / 363	Note Reference Code	"GEN" - General
	NTE 02 / 3	Free-form Message	Free-form message

NTE Example:

NTE*GEN*Special Instructionsn/l

Transaction: 810 - Invoice
Segment: REF - Reference Numbers

This REF segment specifies the Packing List Number (or other unique number) that uniquely identifies the shipment. This number must appear on the shipment document that is included with the physical shipment, and the same number must appear on the invoice to link the shipment to the invoice.

Segment	Element	Element Description	Accepted Values
REF	REF 01/ 128	Reference Number Qualifier	PK - Packing List Number
	REF 02/ 127	Reference Number	Packing List Number

REF Example:

REF*PK*123456789012n/l

Note:
1. The REF segment is used only once.
2. If shipment is split, each ASN must have a unique Packing Slip#/BOL#.

Transaction: **810 - Invoice**
Segment: **N1 - Name**

The N1 segment specifies a party by type of organization, name and code. For Advance Auto Parts, this segment is used to identify the ship to and remit to. The ST and RE are required.

Segment	Element	Element Description	Accepted Values
N1	N1 01 / 98	Entity Identifier Code	"ST" - Ship To "RE" - Remit To
	N1 02 / 93	Name	Name
	N1 03 / 66	Identification Code Qualifier	"92"
	N1 04 / 67	Identification Code	AAP Location No. (ST) AAP Vendor No. (RE)

N1 Example:
For the DC's.
N1*ST*Advance Auto Parts Location Name*92***24**

N1*RE*Your Company Name*92*Your vendor #

For the FDO orders.
 N1*ST*Advance Auto Parts Location Name*92***1234**

N1*RE*Your Company Name*92*Your vendor #l

Notes

1.   All DC locations are only 2 digits and no leading zeros.
2.   Store #'s are 4 or more digits.
3.   AAP Vendor Number will be assigned to you by AAP.

Transaction: 810 - Invoice
Segment: N3 - Name

The N3 segment specifies the location of a named party. For Advance Auto Parts, this segment identifies the Ship To / Remit To address.

Segment	Element	Element Description	Accepted Values
N3	N3 01 / 166	Address Information	
	N3 02 / 166	Address Information	

N3 Example:

N3*1675 South US Route 42n/l

Note:
- This segment is optional

Transaction: 810 - Invoice
Segment: N4 - Name

The N4 segment specifies the geographic place of the named party. For Advance Auto Parts, this segment identifies the Ship To / Remit To city, state, and zip code.

Segment	Element	Element Description	Accepted Values
N4	N4 01 / 19	City Name	
	N4 02 / 156	State or Province Code	
	N4 03 / 116	Postal Code	9 characters (additional 4 optional)

N4 Example:

N4*Delaware*OH*43015n/l

Note:
- This segment is optional

Transaction: 810 - Invoice
Segment: ITD - Terms of Sale / Deferred Terms of Sale

The ITD segment specifies terms of sale. Terms may be sent at the option of the originator. The terms for purchases are agreed upon in the vendor contract. These terms are agreed upon prior to any purchasing transactions between Advance Auto Parts and the vendor.

Segment	Element	Element Description	Accepted Values
ITD	ITD 01/ 336	Terms Type Code	"01" - Basic "02" - End of Month "03" - Fixed Date "04" - Def. or installment "05" - Discount N/A "08" - Basic disc. offered "09" - Proximo "12" - 10 days after EOM "14" - Previously agreed "17" - Terms N/A "ZZ" - Mutually Defined
	ITD 02/ 333	Terms Basis Date Code	"1" - Ship Date "2" - Delivery Date "3" - Invoice Date "4" - Specified Date "7" - Effective Date "8" - Inv. Trans Date "9" - PO Date "ZZ" - Mutually Defined
	ITD 03/ 338	Terms Discount Percent	Percent
	ITD 04/ 370	Terms Discount Due Date	YYYYMMDD
	ITD 05/ 351	Terms Discount Days Due	Number of Days
	ITD 06/ 446	Terms Net Due Date	YYYYMMDD
	ITD 07/ 386	Terms Net Days	Number of Days
	ITD 08/ 362	Terms Discount Amount	Total amount
	ITD 09/ 386	Terms Deferred Due Date	YYYYMMDD
	ITD 10/ 386	Terms Deferred Amount Due	Amount due for payment
	ITD 11/ 386	Percent of Invoice Payable	Percent
	ITD 12/ 386	Description	Free-form text
	ITD 13/ 386	Day of Month	Numeric value of day.

ITD Example:

ITD*14*ZZn/l

OR

ITD*14*3**20110324*90*20110324*90*000****CIB - FOB Origin *22n/l

Transaction: 810 - Invoice
Segment: FOB - Related Instruction (OPTIONAL)

The FOB segment specifies transportation instructions relating to shipment of the purchase order. Advance Auto Parts uses this segment to identify the method of payment for shipping and the title passage.

Segment	Element	Element Description	Accepted Values
FOB	FOB 01/ 146	Shipment Method of Payment	CC - Collect DF - Defined Buy / Sell PP - Prepaid
	FOB 06/ 309	Location Qualifier	DE - Destination OR - Origin

FOB Example:

FOB*PP****DEn/l

Note:
1. This segment is optional.

Transaction: 810 - Invoice
Segment: IT1 - Baseline Item Data (Invoice)

The IT1 segment is the beginning of the item loop. This segment specifies the items and quantities being invoiced, along with their costs. Advance Auto Parts requires both the Advance Auto Parts part number and the Vendor part number.

Segment	Element	Element Description	Accepted Values
IT1	IT1 02/ 358	Quantity Invoiced	Quantity
	IT1 03/ 355	Unit or Basis for Measurement Code	Please use "**EA**" for the X12 value.
	IT1 04/ 212	Unit Price	Item cost (Decimal Required)
	IT1 06 / 235	Product / Service ID Qualifier	"IN" - AAP Item Number (Required) BC - (an option)
	IT1 07 / 234	Product / Service ID	AAP Item Number (Required)
	IT1 08 / 235	Product / Service ID Qualifier	"VP" - Vendor Part (Required) "VN" - (an option)
	IT1 09 / 234	Product / Service ID Qualifier	Vendor Part Number (Required)
	IT1 10 / 235	Product / Service ID Qualifier	"PO" - Purchase Order (optional)
	IT1 11 / 234	Product / Service ID Qualifier	Purchase Order Number (optional)

IT1 Example:

IT1**20*EA*9.99**IN*4960304*VP*W1252N634n/l

Note:
- There are no dashes in the Advance Auto Parts SKU numbers.

Transaction: 810 - Invoice
Segment: PID - Product / Item Description (OPTIONAL)

The PID segment is used to describe a product or process in coded or free-form format. A maximum of one PID segment may be used for each IT1 segment.

Segment	Element	Element Description	Accepted Values
PID	PID 01/ 349	Item Description Type	"F" - Free form
	PID 05/ 352	Description	Free-form item desc.

PID Example:

PID*F****Item Descriptionn/l

Note:
    1.   This segment is optional.

Transaction: 810 - Invoice
Segment: SAC – Core Charges - Item Level (Optional)

The SAC segment specifies any core charges for the invoice. For Advance Auto Parts, this occurrence of the SAC segment is part of the detail level.

This segment is used for a CORE Charge <u>only</u> and after each IT1 segment.

Segment	Element	Element Description	Accepted Values
SAC	SAC 01/ 248	Allowance or Charge Indicator	A - Allowance C - Charge
	SAC 02/ 1300	Core Code	See chart below.
	SAC 05/ 610	Allowance Per unit. Not total	Amount Per unit. Not total
	SAC 12/ 331	Method of Handling	01 - Bill Back (Charge) 02 - Off Invoice (Allowance) ** 06 - Charge Paid/Customer (Charge) **
	SAC 15/ 352	Description	Description

SAC Example:

SAC*C*B750***550*******06**n/l**

<u>Notes</u>

1.   SAC is required to describe a miscellaneous charge or allowance.

2.   <u>Item level charges sent in the detail area must not be summarized in the trailer. The two are mutually exclusive.</u>

3.   SAC05 is the amount of the allowance/charge--per unit. NOT, the total charge.

4.   SAC05 for "CORES" is the price for ONE core. Per unit. Not total

5.   Codes on next page.

Code	Description	Code	Description
D240	Freight	F800	Promotional Allowance
H040	Special Delivery	F340	Pickup Allowance
F050	** Other	F180	Pallet Charge
A260	Advertising Allowance	F180	Pallet Allowance
A500	Allowance Advance	F910	Quantity Discount
BAD	Bad Debt	G470	Restocking Charge
B210	Co-op Credit	G290	Regulatory Fee
B750	Core Charge	G250	Refurbishing Charge
B950	Damaged Merchandise	G830	Shipping and Handling
C000	Defective Allowance	H780	Super Fund Excise Tax
C310	** Discount	H760	State Hazardous Substance Tax
C550	Early Payment Allowance	H000	** Special Allowance
C640	Energy Charge	H740	Sales and Use Tax
C680	Environmental Protection Service	I310	Truckload Discount
H660	Federal Excise Tax	I170	Trade Discount
H670	Federal Excise Tax - Tires	H700	Local Tax
E180	Labor (repair and return orders)	H830	Tax on Miscellaneous Charges
E740	New Store Allowance	H770	State Tax
E750	New Store Discount	H790	Use Tax
F680	Price Deviation	I530	Volume Discount
		A010	Absolute Minimum Charge

** A description (SAC15) of the allowance or charge must be sent when these codes are used.

Transaction: 810 - Invoice
Segment: TDS - Total Monetary Value

The TDS segment specifies the total amount of the invoice. This is the sum of the extended price of the items, allowance, and charges - the amount the seller expects to be paid.

Segment	Element	Element Description	Accepted Values
TDS	TDS 01/ 361	Net amount of invoice (after allowance/charges) The total amount we should pay you.	Total Dollar Amount (N2) (after allowance/charges)
	TDS 02/ 390	Total Invoice Amount (Gross Amount)	Total Dollar amount

TDS Example:

TDS*12345*67899**n/l**

Note:

1. A value of 12345 as shown in the example represents an invoice NET amount of $123.45.
2. A value of 67899 as shown in the example represents an invoice GROSS amount of $678.99.
3. No decimal is allowed in the TDS01 or TDS02.

Transaction: 810 - Invoice
Segment: CAD - Carrier Detail

Segment	Element	Element Description	Accepted Values
CAD	CAD 04/ 140	Standard Carrier Alpha Code	SCAC Code

CAD Example:

CAD****UPSG**n/l**

Transaction: 810 - Invoice
Segment: SAC - Service, Promotion, Allowance, or Charge Information - Invoice Level (Optional)

The SAC segment specifies any allowance, charge, or services for the items invoiced. For Advance Auto Parts, this occurrence of the SAC segment is part of the item loop and the information should be specific to an item. There is another occurrence of the SAC segment in the summary area of the invoice for a one time or invoice level allowance, charge or service.

Segment	Element	Element Description	Accepted Values
SAC	SAC 01/ 248	Allowance or Charge Indicator	A - Allowance C - Charge
	SAC 02/ 1300	Service, Promotion, Allowance, or Charge Code	See chart below.
	SAC 05/ 610	Allow. or Charge Total Amount	Total Amount.
	SAC 12/ 331	Method of Handling	01 - Bill Back (Charge) 02 - Off Invoice (Allowance) ** 06 - Charge Paid/Customer (Charge) **
	SAC 15/ 352	Description	Description

SAC Example:

SAC*A*C000***550*******02**n/l**

Notes

1.   SAC15 is required to describe a miscellaneous charge or allowance not present in the attached code chart.

2.   Item level charges or allowances sent in the detail area must not be summarized in the trailer. The two are mutually exclusive.

3.   SAC05 is the overall total amount of the charge or allowance, not the "per unit" charge.

4.   Valid Special Charge/ Allowance Codes on next page.

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Code	Description	Code	Description
D240	Freight	F800	Promotional Allowance
H040	Special Delivery	F340	Pickup Allowance
F050	** Other	F180	Pallet Charge
A260	Advertising Allowance	F180	Pallet Allowance
A500	Allowance Advance	F910	Quantity Discount
BAD	Bad Debt	G470	Restocking Charge
B210	Co-op Credit	G290	Regulatory Fee
B750	Core Charge	G250	Refurbishing Charge
B950	Damaged Merchandise	G830	Shipping and Handling
C000	Defective Allowance	H780	Super Fund Excise Tax
C310	** Discount	H760	State Hazardous Substance Tax
C550	Early Payment Allowance	H000	** Special Allowance
C640	Energy Charge	H740	Sales and Use Tax
C680	Environmental Protection Service	I310	Truckload Discount
H660	Federal Excise Tax	I170	Trade Discount
H670	Federal Excise Tax - Tires	H700	Local Tax
E180	Labor (repair and return orders)	H830	Tax on Miscellaneous Charges
E740	New Store Allowance	H770	State Tax
E750	New Store Discount	H790	Use Tax
F680	Price Deviation	I530	Volume Discount
		A010	Absolute Minimum Charge

** A description (SAC15) of the allowance or charge must be sent when these codes are used.

Transaction: 810 - Invoice
Segment: ISS - Invoice Shipment Summary

Segment	Element	Element Description	Accepted Values
ISS	ISS 01/ 382	Number of Units Shipped	Total Quantity of Units Shipped
	ISS 02/ 355	Unit of Measure	Units Shipped UOM (EA)
	ISS 03/ 81	Weight	Weight
	ISS 04/ 355	Weight Unit of Measure	Weight Unit of Measure (LB)

ISS Example:

ISS*3120*EA*300*LB**n/l**

Transaction: 810 - Invoice
Segment: CTT - Transaction Totals

The CTT segment specifies the transmission control totals used to validate the transaction for completeness and accuracy.

Segment	Element	Element Description	Accepted Values
CTT	CTT 01 / 354	Number Of Line Items	Count of IT1 Segments

CTT Example:

CTT*8n/l

Transaction: 810 - Invoice
Segment: SE - Transaction Set Totals

Segment	Element	Element Description	Accepted Values
SE	SE 01 / 96	Number Of Segments Included	Number Of Segments Included
	SE 02 / 329	Transaction Set Control Number	Sequentially Assigned Number

SE Example:

SE*27*000456789**n/**

Transaction: 810 - Invoice
Segment: GE - Functional Group Trailer

Segment	Element	Element Description	Accepted Values
GE	GE 01 / 97	Transaction Sets Total Count	Number Of Transaction Sets Included
	GE 02 / 28	Group Control Number	Sequentially Assigned Number

GE Example:

GE*1*234**n/l**

Transaction: 810 - Invoice
Segment: IEA - Interchange Control Trailer

Segment	Element	Element Description	Accepted Values
IEA	IEA 01 / I16	Number Of Functional Groups	Number Of Functional Groups
	IEA 02/ I12	Interchange Control Number	Sequentially Assigned Number

IEA Example:

IEA*1*000000123**n/l**

Example on next page.

Example Of An 810 Invoice

ISA*00*   *00*   *Your Qualifier#*Your ID#   *01*007941529
*110324*0615*U*00401*000000618*0*P*>~
GS*IN*Your ID#*007941529*20110324*0615*618*X*004010~
ST*810*6180001~
BIG*20110324*00690354*20110324*0027790***DR~
NTE*GEN*Special Instructions~   Optional
REF*PK*0000251464~
N1*ST*ADVANCE AUTO PARTS*92*25~
N3*1675 SOUTH US ROUTE 42~   Optional
N4*DELAWARE*OH*43015~   Optional
N1 *RE*Your Name*92*Your Vendor Number~
ITD*14*3**20110324*90*20110324*90*000****CIB*ZZ~   Optional
FOB*PP****DE~   Optional
IT1**168*EA*1.09**IN*7070888*VP*SL3333~
PID*F****Item Description~   Optional
IT1**252*EA*2.08**IN*9016678*VP*SL4344~
IT1**72*EA*1.03**IN*7071019*VP*05023~
IT1**312*EA*1.49**IN*7071027*VP*05046~
IT1**324*EA*3.36**IN*7070191*VP*05063~
IT1**1524*EA*1.19**IN*7060459*VP*05089~
IT1**288*EA*1.55**IN*7070918*VP*05101~
IT1**180*EA*1.84**IN*6410030*VP*06442~
SAC*C*B750***50*******02***Core Charge~
TDS*473560*478486~
CAD****UPSG~
SAC*A*F800***4926*******02***SHOW PARTICIPATION~
ISS*3120*EA*3600*LB~
CTT*8~
SE*26*6180001~
GE*1*618~
IEA*1*000000618~