



EDI Specifications

856 Advance Ship Notice

Version 001

Transaction: 856- Ship Notice Transaction Segments

Area	Segment ID	Segment Name	Req Max	Loop Max
H	ST	Transaction Set Header	M	1
H	BSN	Beginning Segment for Ship Notice	M	1
H	DTM	Date/Time Reference	M	1
H	DTM	Date/Time Reference	M	1
D	HL	Hierarchical Level	M	1
D	TD5	Carrier Details	M	1
D	REF	Reference Numbers	M	1
D	N1	Name - Customer	M	1
D	N4	Geographic Location	O	1
D	PRF	Purchase Order Reference	M	1
D	LIN	Item Identification	M	1
D	SN1	Item Detail (shipment)	M	1
S	CTT	Transaction Totals	M	1
S	SE	Transaction Set Trailer	M	1

Transaction: 856 – Advance Ship Notice
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
	ISA 06 / I06	Interchange Sender ID	Your Company's ID Code
	ISA 07 / I05	Interchange ID Qualifier	"01" – AAP Qualifier
	ISA 08 / I07	Interchange Receiver ID	“007941529” – AAP ID#
	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*1230*U*00401*000000375*0*P*>~

Transaction: 856 – Advance Ship Notice
Segment: GS - Functional Group Header

Segment	Element	Element Description	Accepted Values
GS	GS 01 / 479	Functional ID Code	"SH" - Ship Notice
	GS 02 / 142	Application Sender Code	Your Company's ID (same as ISA06)
	GS 03 / 124	Application Receiver Code	"007941529" – AAP ID# (same as ISA08)
	GS 04 / 373	Date	YYYYMMDD (Date this group was created)
	GS 05 / 337	Time	HHMM (Time this group was created)
	GS 06 / 28	Group Control Number	Sequentially Assigned Number (created by the sender)
	GS 07 / 455	Responsible Agency Code	"X" - X12
	GS 08 / 480	Version / Release ID Code	"004010"

GS Example:

GS*SH*Your ID#*007941529*20110324*1230*154*X*004010~

Transaction: 856 – Advance Ship Notice
Segment: ST - Transaction Set Header

To indicate the start of a transaction set and to assign a control number. 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	"856" – Ship Notice
	ST 02 / 329	Transaction Set Control Number	Sequentially Assigned Number

ST Example:

ST*856*0001~

Transaction: 856 – Advance Ship Notice
Segment: BSN - Beginning Segment for Ship Notice

To transmit identifying numbers, dates, and other basic relating to the transaction set.

Segment	Element	Element Description	Accepted Values
BSN	BSN 01/353	Transaction set purpose code	Code of '00' indicates original document
	BSN 02/396	Shipment Identifier	Number or code used to identify the ASN document to the sender
	BSN 03/373	Date	Shipment transaction set is created. (Date - YYYYMMDD)
	BSN 04/337	Time	Shipment transaction set is created (Time - HHMM)

BSN Example:

BSN*00*000364*20110324*1230~

Note:

- BSN02 must always be unique.

Transaction: 856 – Ship Notice
Segment: DTM- Date/Time Reference

To specify pertinent dates and times.

Segment	Element	Element Description	Accepted Values
DTM	DTM 01/374	Date and Time qualifier	Code “011” Date Shipped
	DTM 02 /373	Date	Actual Ship Date (YYYYMMDD)
	DTM 03/337	Time	Actual Ship Time (HHMM)

DTM Example:

DTM*011*20110324*1230~

Note:

1. Seconds are not acceptable in the DTM03.

Transaction: 856 – Ship Notice
Segment: DTM- Date/Time Reference

To specify pertinent dates and times.

Segment	Element	Element Description	Accepted Values
DTM	DTM 01/374	Date and Time qualifier	Code “067” Current Scheduled Delivery Date
	DTM 02 /373	Date	Scheduled Delivery Date (YYYYMMDD)
	DTM 03/337	Time	Actual Ship Time (HHMM)

DTM Example:

DTM*067*20110327*1230~

Note:

1. Seconds are not acceptable in the DTM03.

Transaction: 856 – Ship Notice
Segment: HL- Hierarchical Level

To identify dependencies among and the content of hierarchically related groups of data segments.

Segment	Element	Element Description	Accepted Values
HL	HL 01/ 628	Hierarchical ID number	Unique number for each occurrence of a HL segment in the transaction set.
	HL 03/735	Hierarchical Level Code	‘S’= Shipment information in the loop
	HL 04/736	Hierarchical Child Code	‘1’= More HL levels subordinate to this one

HL Example:

HL*1**S*1~

Note:

1. HL01 - Used to indicate the number of HL occurrences. In which case the value of HL01 would be “1” for the initial HL segment and would be incremented by one in each subsequent HL.
2. HL03 -Logical grouping of data referring to Shipment, Order or Item -Level information.
3. HL04 – Whether or not there is a subordinate (or child) related to the current HL segment.

Transaction: 856 – Advance Ship Notice**Segment: TD5 – Carrier Details**

To specify the carrier and sequence of routing and provide transit time information.

Segment	Element	Element Description	Accepted Values
TD5	TD5 01/ 133	Routing Sequence Code	Code of 'B'=Original ASN
	TD5 02/ 66	Identification Code Qualifier	2=Standard Carrier Code (SCAC)
	TD5 03/67	Identification Code	Description of what is in (scac) code (alpha numeric)
	TD5 04/91	Transportation Method/Type Code	Code Representing Mode of Transportation. (See notes below)
	TD5 05/387	Routing	The Originating carrier's identity.

TD5 Example:

TD5*B*2*OVNT*ZZ*OVERNITE~

Note:

1. Additional TD504 mode of transportation codes:

- **LT**= less than full
- **C** = consolidation
- **D** = parcel post
- **K** = backhaul
- **T** = best way
- **ZZ** = mutually defined
- **M** =common carrier
- **AE** =air express

Transaction: 856 – Advance Ship Notice
Segment: REF - Reference Numbers

To specify the Bill of Lading 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 Advance Ship Notice.

Segment	Element	Element Description	Accepted Values
REF	REF 01/ 128	Reference Number Qualifier	Use BM or BL for DC's Use CN for FDO/WEB orders
	REF 02/ 127	Reference Number	Bill of Lading number or Tracking number

REF Example:

REF*BM*33717~

Or

REF*BL*33717~

Or

REF*CN*33717~

Note:

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

Transaction: 856 – Advance Ship Notice**Segment: N1 - Name**

To specify a party by type of organization, name and code. For Advance Auto Parts, this segment is used to identify the Ship To.

Segment	Element	Element Description	Accepted Values
N1	N1 01 / 98	Entity Identifier Code	"ST" - Ship To
	N1 02 / 93	Name	Advance Auto Parts
	N1 03 / 66	Identification Code Qualifier	"92"
	N1 04 / 67	Identification Code	AAP Location No. (See notes below)

N1 Example:

N1*ST*ADVANCE AUTO PARTS *92*17~

Note:

1. All DC locations are only 2 digits and no leading zeros.
2. Store numbers are 4 digits or more.
3. AAP location number is assigned to each Distribution Center. We will provide you with a listing.

Transaction: 856 – Advance Ship Notice**Segment: N1 - Name**

To specify a party by type of organization, name and code. For Advance Auto Parts, this segment is used to identify the Ship From.

Segment	Element	Element Description	Accepted Values
N1	N1 01 / 98	Entity Identifier Code	"SF" - Ship From
	N1 02 / 93	Name	Your company name
	N1 03 / 66	Identification Code Qualifier	"92"
	N1 04 / 67	Identification Code	Your Company Vendor number

N1 Example:

N1*SF*Your Company Name*92*Your vendor number~

Note:

1. No leading zero's in the N104 and must be left justified.
2. N104 Ship From is where your vendor number goes, which is assigned to you by AAP. If you do not know your vendor number, please contact Advance Auto Parts.

Transaction: 856 – Advance Ship Notice

Segment: N4-Ship From information

To specify the geographic location to the named party.

This segment is used only if necessary. **This segment is OPTIONAL.**

Segment	Element	Element Description	Accepted Values
N4	N4 01 / 98	City	Ship from city
	N4 02 / 93	State	Ship from state
	N4 03 / 66	Postal Code	Ship from Zip Code

N4 Example:

N4*Roanoke*VA*24012~

Note:

1. N4 is your address
2. This segment is optional

Transaction: 856 – Advance Ship Notice**Segment: HL – Hierarchical Level**

To identify dependencies among and the content of hierarchically related groups of data segments

Segment	Element	Element Description	Accepted Values
HL	HL 01/ 628	Hierarchical ID number	Unique number for each occurrence of a HL segment in the transaction set.
	HL 02/734	Hierarchical Parent ID Number	Identifies the HL level which the current HL level is subordinate to
	HL 03/735	Hierarchical Level Code	‘O’= Order information in the loop
	HL 04/736	Hierarchical Child Code	‘1’= More HL levels subordinate to this one

HL Example:

HL*2*1*O*1~

Note:

1. HL01 - Used to indicate the number of HL occurrences. In this case the value of HL01 would be “2” for the initial HL segment and would be incremented by one in each subsequent HL.
2. HL02 – Identification number of the HL segment to which the current HL segment is subordinate.
3. HL03 -Logical grouping of data referring to Shipment, Order or Item -Level information.
4. HL04 – Whether or not there is a subordinate (or child) related to the current HL segment.

Transaction: 856 – Advance Ship Notice Segment:
Segment: PRF - Purchase Order Reference

To provide reference to a specific purchase order.

Segment	Element	Element Description	Accepted Values
PRF	PRF 01/ 324	Purchase Order Number	XXXXXXXX
	PRF 02/328	Release Number	‘00’
	PRF 04/373	PO Date	YYYYMMDD

PRF Example:

PRF*0093191*00**20110324~

Note:

1. Only one PRF segment per Advance Ship Notice (ASN).
2. PRF01 should always be an Advance Auto Parts purchase order number.
3. PRF02 can be hard coded with ‘00’

Transaction: 856 – Advance Ship Notice
Segment: HL – Hierarchical Level

To identify dependencies and the content of hierarchically related groups of data segments.

Segment	Element	Element Description	Accepted Values
HL	HL 01/ 628	Hierarchical ID number	Unique number for each occurrence of a HL segment in the transaction set
	HL 02/734	Hierarchical Parent ID Number	Identifies the HL level which the current HL level is subordinate to
	HL 03/735	Hierarchical Level Code	”I”= Item information in the loop
	HL 04/736	Hierarchical Child Code	‘1’= More HL levels subordinate to this one

HL Example:

HL*3*2*I*1~

Note:

1. HL01 - Used to indicate the number of HL occurrences. In this case the value of HL01 would be “3” for the initial HL segment and would be incremented by one in each subsequent HL.
2. HL02 – Identification number of the HL segment to which the current HL segment is subordinate.
3. HL03 -Logical grouping of data referring to Shipment, Order or Item -Level information.
4. HL04 – Whether or not there is a subordinate (or child) related to the current HL segment.

Transaction: 856 – Advance Ship Notice
Segment: LIN- Item Identification

To specify basic item identification data.

Segment	Element	Element Description	Accepted Values
LIN	LIN 01/ 350	Assigned Identifier	Unique number for each occurrence LIN segment
	LIN 02/ 235	Product ID Qualifier	SK =Stock number BP =Buyer part number
	LIN 03/234	Product ID	Advance Auto buyer part number
	LIN 04/235	Product ID Qualifier	VP =Indicates vendor product number
	LIN 05/234	Product ID	Vendor part number (MFG#)
	LIN 06/235	Product ID number “Optional element”	UP = UPC code (STD UPC code)
	LIN 07/234	UPC “Optional element”	UPC number

LIN Example:

LIN*1*BP*5300258*VP*2265*UP*123456789123~

OR

LIN*1*SK*5300258*VP*2265*UP*123456789123~

UP*UPC Code is optional.

Note:

1. LIN03 has to be a valid Advance Auto SKU number. This number should be the same as what is sent on your purchase order.
2. LIN05 has to be a valid vendor part number (MFG#). This number should be the same as what is on your purchase order.
3. **Bold** items in ‘Accepted Values’ can be hard coded.

Transaction: 856 – Advance Ship Notice
Segment: SN1- Item Detail (Shipment)

To specify Line-Item detail relative to shipment.

Segment	Element	Element Description	Accepted Values
SN1	SN1 01/ 350	Assigned Identifier	Unique number for each SN1 occurrence segment
	SN1 02/ 382	Number of units shipped	Quantity shipped
	SN1 03/355	Unit of Measure	Measure code for value in SN102. Only use “EA”= Each.
	SN1 04/646	Number of units shipped	Accumulated quantity per PO or repeat the SN102 quantity
	SN1 08/668	Need line item status code	‘AC’= item accepted

SN1 Example:

SN1*1*40*EA*40****AC~

Note:

1. SN104 must be filled. Can repeat the SN102 quantity.
2. If merchandise is not shipped for an FDO/WEB order, a zero quantity ASN must be sent.
3. Additional status codes for SN108.
 - BP= partial shipment
 - DR= item rescheduled
 - IC= item accepted w/change
 - IQ= item accepted- quantity changed
 - IR= item rejected
 - IS= item accepted- substitution made

Transaction: 856 – Advance Ship Notice
Segment: CTT - Transaction Totals

To transmit a hash total for a specific element in the transaction set.

Segment	Element	Element Description	Accepted Values
CTT	CTT 01/ 354	Number of HL Segments	Total count of ‘HL’ segments
	CTT 02/ 357	Hash Total	Total number of units shipped (found in each SN102 element).

CTT Example:

CTT*3*120~

Transaction: 856 – Advance Ship Notice
Segment: SE - Transaction Set Totals

To indicate the end of the transaction set and provides the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

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. Same number found in ST02 element

SE Example:

SE*28*0001~

Note:

- SE01 count starts with and includes the ‘ST’ segment and ends with and includes the ‘SE’ segment.

Transaction: 856 – Advance Ship Notice
Segment: GE - Functional Group Trailer

To indicate the end of a functional group and to provide control information.

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. Same as GS06

GE Example:

GE*1*154~

Transaction: 856 – Advance Ship Notice
Segment: IEA - Interchange Control Trailer

To define the end of an interchange of zero or more functional groups and interchange related control segment.

Segment	Element	Element Description	Accepted Values
IEA	IEA 01 / I16	Number Of Functional Groups	Number of functional groups found in the interchange envelope
	IEA 02/ I12	Interchange Control Number	Sequentially assigned number. Same as ISA13

IEA Example:

IEA*1*000000375~

Example Of An 856 ASN

ISA*00* *00* * **Your Qualifier*****Your ID#***01*007941529 *110324*
1230*U*00401*000000375*0*P*>~
GS*SH***Your EDI ID#***007941529*20110324*1230*154*X*004010~
ST*856*0001~
BSN*00*000364*20110324*1230~
DTM*011*20090209*1230~
DTM*067*20090210*1230~
HL*1**S*1~
TD5*B*2*OVNT*ZZ*OVERNITE~
REF*BM*33717~
N1*ST*ADVANCE AUTO*92*17~
N1*SF***Your Vendor Name***92***Your Vendor number**~
N4*ROANOKE*VA*240384127~ ←.....This segment is optional
HL*2*1*O*1~
PRF*0093191*00**20110324~
HL*3*2*I*1~
LIN*1*BP*5300258*VP*2265*UP*000000000000~
SN1*1*20*EA*20****AC~
HL*4*2*I*1~
LIN*2*BP*5300282*VP*2268*UP*000000000000~
SN1*2*40*EA*40****AC~
HL*5*2*I*1~
LIN*3*BP*5300428*VP*2281*UP*000000000000~
SN1*3*20*EA*20****AC~
HL*6*2*I*1~
LIN*4*BP*5300304*VP*2282*UP*000000000000~
SN1*4*20*EA*20****AC~
HL*7*2*O*1~
LIN*5*BP*5303419*VP*2636*UP*000000000000~
SN1*5*20*EA*20****AC~
CTT*7*120~
SE*29*0001~
GE*1*154~
IEA*1*000000375~