

AutoZone Merchandising Systems Vendor Reference

AutoZone Advance Ship Notice Vendor Guidelines

(EDI X12 version 004010)

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
ISA — Interchange Control Header Segment				M	1/1
ISA01	I01	Authorization Information Qualifier	AutoZone will use code '00', meaning no authorization information present.	M	2/2
ISA02	I02	Authorization Information	Will contain 10 spaces if ISA01 contains code of 00.	M	10/10
ISA03	I03	Security Information Qualifier	AutoZone will use code '00' -- no security information present.	M	2/2
ISA04	I04	Security Information	Will contain 10 spaces if ISA03 contains code of 00.	M	10/10
ISA05	I05	Interchange Sender ID Qualifier	May contain any valid ANSI code for this element.	M	2/2
ISA06	I06	Interchange Sender Identification	Contains the identification of the sender.	M	15/15
ISA07	I05	Interchange Receiver ID Qualifier	May contain any valid ANSI code for this element.	M	2/2
ISA08	I07	Interchange Receiver ID	AutoZone's ID depending on the code in ISA07.	M	15/15
ISA09	I08	Interchange Date	Date the envelope was created, in YYMMDD format.	M	6/6
ISA10	I09	Interchange Time	Time the envelope was created, in HHMM format.	M	4/4
ISA11	I10	Interchange Standards ID	Code of 'U', meaning US EDI community.	M	1/1
ISA12	I11	Interchange Control Version	Contains '00400'	M	5/5
ISA13	I12	Interchange Control Number	A number assigned by the sender to uniquely identify the transmission.	M	9/9
ISA14	I13	Acknowledgement Request	Code of '0', meaning no envelope acknowledgement requested.	M	1/1
ISA15	I14	Test Indicator	Code of 'T' for Test data Code of 'P' for Production data.	M	1/1
ISA16	I15	Sub-element Separator	Character used to separate sub-elements. AutoZone will use a '>' sign.	M	1/1

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
GS — Functional Group Header				M	1/1
GS01	479	Functional ID Code	Code of 'SH' to indicate ship notice.	M	2/2
GS02	142	Application Sender's Code	The sender's identification (same as found in ISA06)	M	2/15
GS03	124	Application Receiver's Code	AutoZone's DUNS number (same as found in ISA08).	M	2/15
GS04	373	Group Date	Date the functional group was created, in CCYYMMDD format.	M	8/8
GS05	337	Group Time	Time the functional group was created, in HHMM format.	M	4/6
GS06	28	Group Control Number	Assigned number created by the sender. This same number must be used in GE02.	M	1/9
GS07	455	Responsible Agency Code	Code of 'X' to indicate ASC X12.	M	1/2
GS08	480	Version/Release/Industry ID Code	'004010' to represent the ANSI X12 version you are sending.	M	1/12

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
ST — Transaction Set Header				M	1/1
ST01	143	Transaction Set ID Code	Code uniquely identifying a transaction set. '856' for shipping notices.	M	3/3
ST02	329	Transaction Set Control Number	Number assigned by the sender to uniquely identify the transaction set.	M	4/9
BSN — Beginning Segment for Ship Notice				M	1/1
BSN01	353	Transaction Set Purpose Code	Code of '00' to indicate original document.	M	2/2
BSN02	396	Shipment Identifier	A number or code to identify the ASN document to the sender. May use bill of lading number or pro bill if no other shipment ID exists.	M	2/30
BSN03	373	Date	Create date of the ASN, in CCYYMMDD format.	M	8/8
BSN04	337	Time	Create time of the ASN in HHMM format.	M	4/8
DTM — Date/Time Reference (two DTM segments are needed)				M	2/2
DTM01	374	Date/Time Qualifier	Code of '011', meaning the date the shipment was initiated and a code of '017', meaning the expected arrival date at AutoZone.	M	3/3
DTM02	373	Date	If DTM01 is '011' -- actual ship date; If DTM01 is '017' -- expected arrival date; in CCYYMMDD format.	M	8/8
DTM03	337	Time	If DTM01 is '011' -- actual ship time. If DTM01 is '017' -- element is not used.	O	4/8

DTM Note:

There are two DTM segments required for this mapping. The first occurrence should contain a code of '011' in element 374. The second occurrence should contain a code of '017'. The segment with the '017' qualifier does not need to contain a time in element 337. The time will be ignored if sent on the '017' DTM.

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
HL — Hierarchical Level Segment (Shipment Level)				M	1/1
HL01	628	Hierarchical ID Number (Occurrence Number)	A unique number for each occurrence of an HL segment. For example, the first HL segment would contain a '1', the second would contain a '2', etc.	M	1/12
HL03	735	Hierarchical Level Code	A code of "S" to indicate that shipment information is contained within this particular HL segment loop.	M	1/2
HL04	736	Hierarchical Child Code	A code of '1', indicating that there are more HL levels subordinate to this one.	O	1/1

HL Notes:

1. This is the first of four levels of HL segments in the AutoZone Advance Shipping Notice. The first level contains the shipment level information. The second level contains shipping tare information and is subordinate to the first HL segment. The third level contains order information and is subordinate to the second level. The fourth level is the item level and is subordinate to the third level.
2. There will only be one occurrence of the HL level for shipments in a shipping notice. There may be more than one occurrence of the tare level and order level HLs in a shipment notice, and there will usually be multiple occurrences of the item level HL segment.

MEA — Measurements				O	0/1
MEA01	737	Measurement Reference ID Code	Use a code of 'PD', meaning physical dimensions.	O	2/2
MEA03	739	Measurement Value	The value contained in this element represents the measurement of the shipment, whether it is in weight, cases, pallets, cubic feet, etc.	O	1/10
MEA04	355	Unit of Measure Code	The unit of measure code for the value found in MEA03.	O	2/2
TD5 — Carrier Details (Routing Sequence/Transit Time)				M	1/1
TD504	91	Transportation Method Type Code	A code representing how the shipment will be transported -- i.e., 'M' = Motor (common carrier).	O	1/2
TD505	387	Routing	The originating carrier's identity.	M	1/35

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
TD3 — Carrier Details (Equipment)				O	0/1
TD301	40	Equipment Description Code	A code representing the type of equipment used for the shipment -- i.e., 'TL' = Trailer.	O	2/2
TD303	207	Equipment Number	Identification number of the shipping equipment -- i.e., the trailer number.	O	1/10
REF — Reference Numbers (two occurrences needed)				M	2/2
REF01	128	Reference Number Qualifier	'BM' code (bill of lading) is the first occurrence. 'CN' code is the second occurrence.	M	2/2
REF02	127	Reference Number	If REF01 is 'BM' = bill of lading number. If REF01 is 'CN' = pro bill number or AZ load number.	M	1/30
REF Note:		This segment can be ignored if the REF segment following the PRF segment will be sent.			
N1 — Name				M	1/1
N101	98	Entity ID Code	Code of 'VN', meaning vendor information.	M	2/2
N103	66	ID Code Qualifier	Code of '92', meaning N104 information was assigned by AutoZone.	M	2/2
N104	67	ID Code	AutoZone's internal vendor number for supplier. This number is contained in the N1 segment in the purchase order.	M	2/80

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max		
HL — Hierarchical Level Segment (Tare Level)					O 0/1000		
HL01	628	Hierarchical ID Number (Occurrence Number)	A unique number for each occurrence of an HL segment. For example, the first HL segment would contain a '1', the second would contain a '2', etc.	M	1/12		
HL02	734	Hierarchical Parent ID	Identifies the HL level (by ID number) that this HL level is subordinate to.	O	1/12		
HL03	735	Hierarchical Level Code	A code of 'T' to indicate that tare information is contained within this particular HL segment loop.	M	1/2		
HL04	736	Hierarchical Child Code	A code of '1', indicating that there are more HL levels subordinate to this one.	O	1/1		
<table border="1" style="width: 100%;"> <tr> <td style="width: 15%;">Notes:</td> <td> <p>1. This is the second of four levels of HL segments in the AutoZone Advance Shipping Notice. The first level contains the shipment level information. The second level contains shipping tare information and is subordinate to the first HL segment. The third level contains order information and is subordinate to the second level. The fourth level is the item level and is subordinate to the third level.</p> <p>2. There will only be one occurrence of the HL level for shipments in a shipment notice. There may be more than one occurrence of the tare level and order level HLs in a shipment notice, and there will usually be multiple occurrences of the item level HL segment.</p> </td> </tr> </table>						Notes:	<p>1. This is the second of four levels of HL segments in the AutoZone Advance Shipping Notice. The first level contains the shipment level information. The second level contains shipping tare information and is subordinate to the first HL segment. The third level contains order information and is subordinate to the second level. The fourth level is the item level and is subordinate to the third level.</p> <p>2. There will only be one occurrence of the HL level for shipments in a shipment notice. There may be more than one occurrence of the tare level and order level HLs in a shipment notice, and there will usually be multiple occurrences of the item level HL segment.</p>
Notes:	<p>1. This is the second of four levels of HL segments in the AutoZone Advance Shipping Notice. The first level contains the shipment level information. The second level contains shipping tare information and is subordinate to the first HL segment. The third level contains order information and is subordinate to the second level. The fourth level is the item level and is subordinate to the third level.</p> <p>2. There will only be one occurrence of the HL level for shipments in a shipment notice. There may be more than one occurrence of the tare level and order level HLs in a shipment notice, and there will usually be multiple occurrences of the item level HL segment.</p>						
MAN — Marks and Numbers Segment					O 0/1		
MAN01	88	Marks and Numbers Qualifier	Code specifying the application or source of marks and numbers. AutoZone will use a code of 'UC' to indicate a UCC-128 barcode.	M	1/2		
MAN02	87	Marks and Numbers	Marks and numbers used to identify a shipment or parts of a shipment. AutoZone will expect a UCC-128 serialized shipping container code.	M	1/20		

IF APPLICABLE

Note: The above section is only pertinent with pallet shipments. Please confirm with the AutoZone EDI Team to see if the above is applicable to your company.

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
HL — Hierarchical Level Segment (Order Level)				M	1/*
HL01	628	Hierarchical ID Number (Occurrence Number)	A unique number for each occurrence of an HL segment. For example, the first HL segment would contain a '1', the second would contain a '2', etc.	M	1/12
HL02	734	Hierarchical Parent ID	Identifies the HL level (by ID number) that this HL level is subordinate to.	M	1/12
HL03	735	Hierarchical Level Code	A code of 'O' to indicate that order information is contained within this particular HL segment loop	M	1/2
HL04	736	Hierarchical Child Code	A code of '1', indicating that there are more HL levels subordinate to this one.	O	1/1

HL Notes:

1. This is the third of four levels of HL segments in the AutoZone Advance Shipping Notice. The first level contains the shipment level information. The second level contains shipping tare information and is subordinate to the first HL segment. The third level contains order information and is subordinate to the second level. The fourth level is the item level and is subordinate to the third level.
2. There will be only be one occurrence of the HL level for shipments in a shipment notice. There may be more than one occurrence of the tare level and order level HLs in a shipment notice, and there will usually be multiple occurrences of the item level HL segment.

PRF — Purchase Order Segment				M	0/1
PRF01	324	PO Number	AutoZone's purchase order number for the merchandise being shipped.	M	1/8
PRF02	328	PO Release Number	Release number for the purchase order.	O	1/2
REF — Reference Numbers				O	0/1
REF01	128	Reference Number	'CN' = Carrier's Reference Number	M	2/2
REF02	127	Reference Number	Shipper ID number (tracking number)	M	1/30

REF Note:

This segment is required only for trading partners participating in AutoZone's Vendor Direct Parts program, otherwise, it should be ignored. If this segment is sent, the REF segment following the TD3 segment can be ignored.

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
HL — Hierarchical Level Segment (Item Level)				M	1/99999
HL01	628	Hierarchical ID Number (Occurrence Number)	A unique number for each occurrence of an HL segment. For example, the first HL segment would contain a '1', the second would contain a '2', etc.	M	1/12
HL02	734	Hierarchical Parent ID	Identifies the HL level (by ID number) that this HL level is subordinate to.	M	1/12
HL03	735	Hierarchical Level Code	A code of 'I' to indicate that item information is contained within this particular HL segment loop.	M	1/2
HL04	736	Hierarchical Child Code	A code of '0', indicating that there are no HL levels subordinate to this one.	O	1/1

HL Notes:

1. This is the fourth of four levels of HL segments in the AutoZone Advance Shipping Notice. The first level contains the shipment level information. The second level contains shipping tare information and is subordinate to the first HL segment. The third level contains order information and is subordinate to the second level. The fourth level is the item level and is subordinate to the third level.
2. There will only be one occurrence of the HL level for shipments in a shipment notice. There may be more than one occurrence of the tare level and order level HLs in a shipment notice, and there will usually be multiple occurrences of the item level HL segment.

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
LIN — Item Identification				M	1/1
LIN01	350	Assigned Identification (Occurrence number)	A unique number for each occurrence of a LIN segment. For example, the first LIN segment would contain a '1', the second would contain a '2', etc.	O	1/5
LIN02	235	Product ID Qualifier	Code of 'SK', meaning LIN03 contains a stock keeping unit number (SKU).	M	2/2
LIN03	234	Product ID	AutoZone's internal item number as sent on the purchase order.	M	1/09
LIN04	235	Product ID Qualifier	Code of 'VP', meaning LIN05 contains a vendor part number.	M	2/2
LIN05	234	Product ID	Your organization's part number for this item.	M	1/13
LIN06	235	Product ID Qualifier	The code of 'UP' meaning UPC code or 'UK' meaning EAN (international product) code.	O	2/2
LIN07	234	Product ID	If LIN06 = 'UP', the UPC code for this item. If LIN06 = 'UK', the EAN code for this item.	O	1/48
SN1 — Item Detail (Shipment)				M	1/1
SN101	350	Assigned Identification (Occurrence Number)	A unique number for each occurrence of an SN1 segment. For example, the first SN1 segment would contain a '1', the second a '2', etc.	O	1/20
SN102	382	Number of Units Shipped	The number of units shipped for the item identified in the LIN segment.	M	1/10
SN103	355	Unit of Measure Code	The unit of measure code for the value found in SN102. This code should match the unit of measure for the item on the purchase order.	M	2/2

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Element Position	Data Element Number	Data Element Name	Remarks	Usage	Min/Max
CTT — Transaction Totals				M	1/1
CTT01	354	Number of HL Segments	The total number of occurrences of HL segments in this ASN.	M	1/6
CTT02	347	HASH Total	The total number of units shipped on the ASN as found in the SN102 element.	M	1/10
SE — Transaction Set Trailer				M	1/1
SE01	96	Number of Included Segments	The total number of segments in the transaction set (including SE and ST).	M	1/10
SE02	329	Transaction Set Control Number	The same control number as found in the ST02 element.	M	4/9
GE — Functional Group Trailer				M	1/1
GE01	97	Number of Included Transaction Sets	The total number of transaction sets found in the functional group.	M	1/6
GE02	28	Group Control Number	The same control number as found in the GS06 element.	M	1/9
IEA — Interchange Trailer				M	1/1
IEA01	116	Number of Included Functional Groups	The total number of functional groups found in the interchange envelope.	M	1/5
IEA02	112	Interchange Control Number	The same control number as found in the ISA13 element.	M	9/9