



AUTOKINITON

North America
EDI

Implementation Guidelines for AIAG (ANSI ASC X12)
ADVANCE SHIP NOTICE/MANIFEST TRANSACTION SET

ANSI X12 Version 004010
856

Revision 5 – 2023

Autokiniton – Advance Ship Notice 856 V 004010
June 2023



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Autokiniton ISA/IEA & GS/GE Enveloping

Introduction:

This section outlines the ISA & GS enveloping structure that should be used when communicating with Autokiniton(Tower Automotive or L&W Engineering)

	Pos. No.	Seg. ID	<u>Name</u>	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ISA	Interchange Control Header	M	1		
Must Use	020	GS	Functional Group Header	M	1		
Must Use	030	GE	Functional Group Trailer	M	1		
Must Use	040	IEA	Interchange Control Trailer	M	1		



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Segment: **ISA** Interchange Control Header

Loop:

Level: Interchange

Usage: Mandatory

Max Use: 1

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Semantic Notes:

- Comments:**
1. Autokiniton(Tower Automotive or L&W Engineering) sender code at ISA06 will transmit with Autokiniton facility DUNs number to identify Autokiniton location.
 2. Receiver code at ISA08 will be Supplier facility. Supplier's DUNs number will transmit to identify the Supplier.
 3. The Interchange ID Qualifier (ISA05 and ISA07) must be '01' value.
 4. AUtokiniton requires the Element Separator, Sub Element Separator and Segment Terminator contain the following values:

Element Separator:	*	(2A)
Sub Element Separator:		(7C)
Segment Terminator:	~	(7E)

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
>> ISA01	I01 Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
>> ISA02	I02 Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M AN 10/10



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			Use spaces
>>	ISA03	I03	Security Information Qualifier M ID 2/2 Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)
>>	ISA04	I04	Security Information M AN 10/10 This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)
			Use spaces
>>	ISA05	I05	Interchange ID Qualifier M ID 2/2 Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 01 Mutually Defined
>>	ISA06	I06	Interchange Sender ID M ID 15/15 Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element
>>	ISA07	I05	Interchange ID Qualifier M ID 2/2 Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 01 Mutually Defined
>>	ISA08	I07	Interchange Receiver ID M ID 15/15 Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them
>>	ISA09	I08	Interchange Date M DT 8/8 Date of the interchange
>>	ISA10	I09	Interchange Time M TM 4/4 Time of the interchange
>>	ISA11	I10	Interchange Control Standards Identifier M ID 1/1 Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer



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			U	U.S. EDI Community of ASC X12, TDCC, and UCS		
>>	ISA12	I11		Interchange Control Version Number	M	ID 5/5
				This version number covers the interchange control segments 00400 Standard Issued as ANSI X12.5-1992		
>>	ISA13	I12		Interchange Control Number	M	N0 9/9
				A control number assigned by the interchange sender		
>>	ISA14	I13		Acknowledgment Requested	M	ID 1/1
				Code sent by the sender to request an interchange acknowledgment (TA1)		
			0	No Acknowledgment Requested		
>>	ISA15	I14		Test Indicator	M	ID 1/1
				Code to indicate whether data enclosed by this interchange envelope is test or production		
			P	Production Data		
			T	Test Data		
>>	ISA16	I15		Component Element Separator	M	AN 1/1
				This field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator		



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Segment: **GS** Functional Group Header

Loop:

Level: Interchange

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a functional group and to provide control information

Syntax Notes:

Semantic Notes:

Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	GS01	479	Functional Identifier Code Code identifying a group of application related transaction sets	M ID 2/2
>>	GS02	142	Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners This code should match the sender code in the ISA segment	M ID 2/12
>>	GS03	124	Application Receiver's Code Code identifying party receiving transmission. Codes agreed to by trading partners This code should match the receiver code in the ISA segment	M ID 2/12
>>	GS04	29	Group Date Date sender generated a functional group of transaction sets.	M DT 8/8
>>	GS05	30	Group Time Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).	M TM 4/4
>>	GS06	28	Group Control Number Assigned number originated and maintained by the sender	M N0 1/9



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>>	GS07	455	Responsible Agency Code	M ID 1/2
			Code used in conjunction with Data Element 480 to identify the issuer of the standard	
			Use "X"	
			X	ANSI X12
>>	GS08	480	Version / Release / Industry Identifier Code	M ID 1/12
			Code indicating the version, release, sub-release and industry identifier of the EDI standard being used. Positions 1-3, version number; positions 4-6, release and sub-release level of version; positions 7-12, industry or trade association identifier (optionally assigned by user).	
			Use "004010"	
			004010	Version 004, Release 010



AUTOKINITON

Segment: **GE** Functional Group Trailer

Loop:

Level: Interchange

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

Comments: The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	GE01	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M N0 1/6
>>	GE02	28	Group Control Number Assigned number originated and maintained by the sender This must be the same control number as in element GS06.	M N0 1/9



AUTOKINITON

Segment: **IEA** Interchange Control Trailer

Loop:

Level: Interchange

Usage: Mandatory

Max Use: 1

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Semantic Notes:

Comments: The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>> IEA01	I16	Number of Included Functional Groups	M N0 1/5
		A count of the number of functional groups included in an interchange	
>> IEA02	I12	Interchange Control Number	M N0 9/9
		A control number assigned by the interchange sender	
		This must be the same as the control number in ISA13.	



856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This Standard contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

Autokiniton(Tower Automotive or L&W Engineering) 856 Revision-4 Key Point:

Additional Container Package information.

ANSI version 004010

Use with Autokiniton(Tower Automotive or L&W Engineering) guideline

Autokiniton(Tower Automotive or L&W Engineering)Pos.			Seg.	Req.	
Attribute	No.	ID	Des.	Max.Use	Repeat
Loop Notes and Comments			Name		
M	010	ST	Transaction Set Header	M	1
M	020	BSN	Beginning Segment for Ship Notice	M	1
M	040	DTM	Date/Time/Period	M	10



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LOOP ID – HL			1	
M	050	HL	Hierarchical Level - Shipment Level	M 1
	060	MEA	Measurements	O >1
M	070	TD1	Carrier Details (Quantity and Weight)	O 1
M	080	TD5	Carrier Details (Routing Sequence/Transit time)	O 1
M	090	TD3	Carrier Details (Equipment)	O 1
M	100	REF	Reference Numbers	O >1
LOOP ID - N1			200	
M	150	N1	Name	O >1
LOOP ID – HL – Tare Level			199999	
	200	HL	Hierarchical Level - Tare Level	O 1
	210	REF	Reference Numbers	O 200
LOOP ID – HL – Item Level			199999	
M	240	HL	Hierarchical Level - Item Level	M 1
M	250	LIN	Item Identification	M 1
M	260	SN1	Item Detail (Shipment)	M 1
M	270	PRF	Purchase Order Reference	M 1
LOOP ID – CLD			200	
M	280	CLD	Load Details	M 1
M	290	REF	Reference Numbers	M 200
M	380	CTT	Transaction Totals	M 1
M	390	SE	Transaction Set Trailer	M 1

Transaction Set Notes

- Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.



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Segment: **ST** Transaction Set Header

Position: 010

Loop:

Level:

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., 856 selects the Invoice Transaction Set).

Notes: **Sample Data**
ST*856*0001~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	
M	ST02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.	
		Must match the number in SE02. '0001' through '999999999'	



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Segment: **BSN** Beginning Segment for Ship Notice
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Syntax Notes:

Semantic Notes: 1 BSN02 Shipment create date.
 2 BSN04 Shipment create time.

Notes: **Sample Data**
 BSN*00*56781230*20180901*1230~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element Name</u>	
M	BSN01	353 Transaction Set Purpose Code	M ID 2/2
		Autokiniton(Tower Automotive or L&W Engineering) systems only allow '00' purpose codes.	
		00 Original	
M	BSN02	396 Shipment Identification Shipment Identification Number (SID)	M AN 4/30
M	BSN03	373 Ship Notice Date Date expressed as CCYYMMDD ASN Creation Date	M DT 8/8
M	BSN04	337 Ship Notice Time ASN Creation time	O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD	



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= decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)



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Segment: **DTM** Date/Time/Period

Position: 040

Loop:

Level: Heading

Usage: Mandatory

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.

Semantic Notes:

Sample Data: DTM*011*20180901*1230~

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 011 Shipped	M ID 3/3
M	DTM02	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M TM 4/8
	DTM04	623	Time Code Code identifying the time zone from where the shipment originates. Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2



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Segment: **HL Hierarchical Level**

Position: 050

Loop: HL Mandatory

Level: Shipment

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

Comments:

- 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
- 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, 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 segment within the transaction.
- 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
- 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

HL*1**S~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O AN 1/12
M	HL03	735	Hierarchical Level Code	M ID 1/2



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Code defining the characteristic of a level in a hierarchical structure

S

Shipment



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Segment: **MEA** Measurements
Position: 060
Loop: HL Mandatory
Level:
Usage: Mandatory
Max Use: 2

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.

Syntax Notes: 1 At least one of MEA03 is required.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03

Comments:

MEA*PD*G*9168*LB~

MEA*PD*N*8550*LB~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element Name</u>	
M	MEA01	737 Measurement Reference ID Code Code identifying the broad category to which a measurement applies PD Physical Dimensions	M ID 2/2
M	MEA02	738 Measurement Qualifier G Gross Weight N Net Weight	M ID 1/3
M	MEA03	739 Measurement Value - Gross Weight/Net Weight The value of the measurement	M R 1/20
M	MEA04	355 Unit or Basis for Measurement Code To identify a composite unit of measure LB Pound	M ID 2/9



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Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 070
Loop: HL Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes: 1 If TD101 is present, then TD102 is required.

Notes: When shipment include multiple outer package type codes, TD101 can be “MIX90” with total number of outer containers.

Sample Data

TD1*CNT90*128~

TD1*MIX90*15~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	TD101	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; (EX: CNT90) If the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values.	M AN 5/5
M	TD102	80	Lading Quantity Number of units (pieces) of the lading commodity Number of packages for the entire ASN	M N0 1/7



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Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)

Position: 080

Loop: HL Mandatory

Level: Shipment

Usage: Optional

Max Use: 12

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

Syntax Notes: 1 If TD502 is present, then TD503 is required.

Semantic Notes:

Comments: 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Sample Data: TD5*B*2*CETR*M

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode)	M ID 1/2
M	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 2 Standard Carrier Alpha Code (SCAC)	M ID 1/2
M	TD503	67	Identification Code Code identifying a party or other code Standard Carrier's SCAC code	M AN 2/80
M	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment	M ID 1/2



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Refer to 004010 Data Element Dictionary for acceptable Method/Type Code values.

Segment: **TD3** Carrier Details (Equipment)
Position: 090
Loop: HL Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To specify transportation details relating to the equipment used by the carrier
Syntax Notes: 1 If TD302 is present, then TD303 is required.

Sample Data

TD3*TL**12345678

Data Element Summary

<u>Attribute</u>	<u>User</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M		TD301	40	Equipment Description Code Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
		TD302	206	Equipment Initial - SCAC code	O AN 1/4
M		TD303	207	Equipment Number - Trailer Number	C AN 1/10



AUTOKINITON

Segment: **REF** Reference Numbers
Position: 100
Loop: HL Mandatory
Level:
Usage: Optional (Must Use)
Max Use: 2
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Notes:
REF*BM*2133930
REF*PK*2133930

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Number Qualifier BM Bill of Lading Number PK Packing List Number	M ID 2/2
M	REF02	127	Reference Number - Bill Of Lading Number Bill of Lading Number Packing List Number	C AN 1/15



AUTOKINITON

Segment: **N1 Name**

Position: 100

Loop: N1 Optional (Must Use)

Level: Shipment

Usage: Mandatory

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.

Sample data

N1*ST**1*198765489~

N1*SU**92*S0000123~

Data Element Summary

	Ref. Des.	Data Elemnt	Name	Attributes
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To SU Supplier/Manufacturer	M ID 2/3
M	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet	M ID 1/2



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M	N104	67	92	Assigned by Buyer	M AN 2/80
			Identification Code		
			DUN and Bradstreet (DUNS) number or Autokiniton assigned Supplier ID		

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Segment: **HL Hierarchical Level - Tare Level**
Position: 200
Loop: HL Optional
Level:
Usage: Optional (Must Use if exist)
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:

Notes:

The tare level contains data about a pallet which holds many smaller packages (e.g master/mixed serial number) or can be used for providing complete details of very large containers which are a pallet footprint on the truck.

Sample Data

HL*2*1*T~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	HL01	628 Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.	M AN 1/12
M	HL02	734 Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.	O AN 1/12
M	HL03	735 Hierarchical Level Code T Shipping Tare	O ID 1/1



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Segment: **REF** Reference Numbers
Position: 210
Loop: HL Mandatory
Level:
Usage: Optional
Max Use: 200
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Notes: **Sample Data**
REF*LV*6JUNS00001230012345670**RC|TWR1111~ Master Load Label
REF*LV*5JUNS00001230098765430**RC|TWR1111~ Mixed Load Label

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	REF01	128 Reference Number Qualifier LV License Plate Number	M ID 2/2
M	REF02	127 Reference Number – Unique License Plate Number REF*LS*6JUN0S0000123012345670~ REF*LS*'6J'+UN'+S00001230'+012345670' (6J + UN + Supplier Code (9 digit alpha numeric value with trailing zeros) + Unique Container Serial Number (unique 9 digit value with leading zeros)) - Master Load Label REF*LS*5JUN0S0000123012345670~ REF*LS*'5J'+UN'+S00001230'+012345670' (5J + UN + Supplier Code (9 digit alpha numeric value with trailing zeros) + Unique Container Serial Number (unique 9 digit value with leading zeros)) - Mixed Load Label	C AN 22/22
O	REF03	352 Description A free-form description to clarify related	X AN 1/30



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M	REF04	C040	data element and their content Reference Identifier To identify one or more reference numbers as Specified by the reference qualifier	C	ID 2/3
		01	128 Reference Identification Qualifier RC Returnable Container Item XC Expendable Container Item	C	ID 2/3
		02	127 Reference Identification Returnable or Expendable Container Item	C	AN 10/30
		03	128 Reference Identification Qualifier HC Heat Code	X	ID 2/3
		04	127 Reference Identification Heat Code Value	X	AN 10/30
		05	128 Reference Identification Qualifier ZZ Mutually Defined	X	ID 2/3
		06	127 Reference Identification Shelf Life Indicator (Heat code Expiration Date)	X	AN 10/30



AUTOKINITON

Segment: **HL Hierarchical Level**
Position: 240
Loop:
Level: Order
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:

Semantic Notes:

Comments:

- 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
- 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, 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 segment within the transaction.
- 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

HL*3*2*I

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O AN 1/12
M	HL03	735	Hierarchical Level Code	M ID 1/2



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Code defining the characteristic of a level in a hierarchical structure

I Item



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Segment: LIN Item Identification
Position: 250
Loop: HL Optional (Must Use)
Level:
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes: 1 If LIN04 is present, then LIN05 is required.

Sample Data

LIN**BP*23104982G00*PL*0001~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element Name</u>	
M	LIN02	235 Product/Service ID Qualifier BP Buyer's Part Number	M ID 2/2
M	LIN03	234 Product/Service ID – Autokiniton (Tower Automotive or L&W Engineering) Part Number	M AN 1/19
M	LIN04	235 Product/Service ID Qualifier PL Purchase Order Line	O ID 2/2
M	LIN05	234 Product/Service ID – Purchase Order Line	O AN 7/20



AUTOKINITON

Segment: **SN1** Item Detail Ship quantity (Shipment)
Position: 260
Loop:
Level: HL Item
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Syntax Notes: 1 If either SN105 or SN106 is present, then the other is required.
Semantic Notes: 1 SN101 is the ship notice line-item identification.
Comments: 1 SN103 defines the unit of measurement for both SN102 and SN104.
Sample Date: SN1**1000*EA*5500~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SN102	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set Quantity of item shipped	M R 1/10
M	SN103	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 Use unit of measure from 830 / 862 Planning and Shipping schedule Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	SN104	646	Quantity Shipped to Date Number of units shipped to date Cumulative quantity shipped, including this ASN	O R 1/15



AUTOKINITON

Segment: **PRF** Purchase Order Reference

Position: 270

Loop:

Level: Item

Usage: Mandatory

Max Use: 1

Purpose: To provide reference to a specific purchase order

Syntax Notes:

Semantic Notes:

Comments:

Note: Same PO # for entire shipment

Sample Data:

PRF*PO111~

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	PRF01	324	Purchase Order Number	M AN 1/22
			Identifying number for Purchase Order assigned by the purchaser	



AUTOKINITON

Segment: **CLD** Load Details

Position: 280

Loop: CLD Mandatory (Max Use >1)

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify the number of material loads shipped

Syntax Notes:

Semantic Notes:

Comments: The CLD is used for the inner most container information

Notes:

Sample Data: CLD*4*250*CNT90~

Data Element Summary

	Ref	Element	Name	Attributes		
M	CLD01	622	Number of Loads	M	N0	1/5
			Numeric value of units shipped in manufacturer's shipping units f or a line item or transaction set.			
M	CLD02	392	Number of Units Shipped	M	R	1/10
			Number of units shipped in each container			
M	CLD03	103	Packaging Code	M	ID	5/5
			Code identifying the type of packaging. Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; (EX: CNT90) If the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values.			



AUTOKINITON

Segment: **REF** Reference Numbers
Position: 290
Loop: HL Mandatory
Level:
Usage: Mandatory
Max Use: 200
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Notes: **Sample Data:**
 REF*LV*1JUNS00001230012345671**RC|TWR121514|HC|H123|ZZ|20
 201230~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	REF01	128 Reference Number Qualifier LV License Plate Number	M ID 2/2
M	REF02	127 Reference Number – Unique License Plate Number REF*LV*1JUN0S00001230012345671~ REF*LV*'1J'+ 'UN'+ 'S00001230'+ '012345671' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))-Container unique License Plate#.	C AN 22/22
O	REF03	352 Description A free-form description to clarify related data element and their content	X AN 1/30
M	REF04	C040 Reference Identifier To identify one or more reference numbers as Specified by the reference qualifier	C ID 2/3
		01 128 Reference Identification Qualifier RC Returnable Container Item XC Expendable Container Item	C ID 2/3
		02 127 Reference Identification Returnable or Expendable Container Item	C AN 10/30
		03 128 Reference Identification Qualifier	C ID 2/3



AUTOKINITON

04	127	HC Heat Code Reference Identification Heat Code Value	C AN 10/30
05	128	Reference Identification Qualifier ZZ Mutually Defined	C ID 2/3
06	127	Reference Identification Shelf Life Indicator (Heat code Expiration Date)	C AN 10/30



AUTOKINITON

Segment: **CTT** Transaction Totals
Position: 380
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
Sample Data
CTT*3*200~

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	CTT01	354 Number of Line Items The total number of HL segments in this transaction (between ST and SE).	M N0 ¼
	CTT02	347 Hash Total Hash Total is the sum of values in the item level SN102. All values will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	O R 1/10



AUTOKINITON

Segment: **SE** Transaction Set Trailer
Position: 390
Loop:
Level:
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:

Notes: **Sample Data**
SE*42*0001~

Data Element Summary

	Ref.	Data	Name	Attributes
M	SE01	nt 96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	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



AUTOKINITON

ASN – Master Load Shipment Data:

ST*856*0001~

BSN*00*56781230*20180901*1230~

DTM*011*20180901*1230~

HL*1**S~

MEA*PD*G*9168*LB~

MEA*PD*N*8550*LB~

TD1*CNT90*4~

TD5*B*2*CETR*M~

TD3*TL**12345678~

REF*BM*2133930~

REF*BM*2133930~

N1*ST**1*198765489~

N1*SU**92*S0000123~

HL*2*1*T~

REF*LV***6**JUNS000012300**12345670****RC|TWR1111~

HL*3*2*I

LIN**BP*23104982G00*PL*0001~

SN1**1000*EA*5500~

PRF*PO111~

CLD*4*250*CNT90~

REF*LV***1**JUNS000012300**12345671****RC|TWR121514|HC|H123|ZZ|20201230~

REF*LV***1**JUNS000012300**12345672****RC|TWR121514|HC|H123|ZZ|20201230~

REF*LV***1**JUNS000012300**12345673****RC|TWR121514|HC|H123|ZZ|20201230~

REF*LV***1**JUNS000012300**12345674****RC|TWR121514|HC|H123|ZZ|20201230~

CTT*1~

SE*26*0001



AUTOKINITON

ASN Shipment Details	
Master Load Shipment:6J	Outer Pallet container with inner containers that include same part numbers (two-level containers)
ST*856*0001	Transaction Set = 856 and control number 0001
BSN*00*56781230*20180901*1230~	Original Transmission = 00, Shipment Identification Number (SID) = 56781230, Date Transaction Set was Created =20180901
DTM*011*20180901*1230~	Date/Time reference Qualifier of Shipment = 011, Date of Shipment = 20180901, Time of Shipment = 1230
HL*1**S	Hierarchical ID Number = 1 Hierarchical Parent ID = Blank Hierarchical Level Code = S (Shipment)
MEA*PD*G*9168*LB	Measurement Reference ID = PD (Physical Dimensions) Measurement Qualifier = G (Gross Weight) Measurement Value = 9168 Unit of Measure = LB
MEA*PD*N*8550*LB	Measurement Reference ID = PD (Physical Dimensions) Measurement Qualifier = N (Net Weight) Measurement Value = 8550 Unit of Measure = LB
TD1*CNT90*4	Packaging Code = CNT90 Lading Quantity = 4 (number of pallets in this shipment)
TD5*B*2*CERT*M	Routing Sequence Code = B IF Code Qualifier = 2, Standard Carrier Alpha Code = SCAC code, Method of Transport = M.
TD3*TL**12345678	Equipment Description Code = TL (Trailer), Equipment Number / Vehicle ID = 12345678

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AUTOKINITON

REF*BM*2133930	Reference Number Qualifier = BM (Bill of Material) Reference Number = 2133930 (Bill of Material Number)
REF*PK*2133930	Reference Number Qualifier = PK (Packing List) Reference Number = 2133930 (Packing List Number)
N1*ST**01*198765489	Entity ID Code = ST (Ship To), Qualifier = 01 (DUNS Number) ID Code = 198765489
N1*SU**92* S0000123	Entity ID Code = SU (Supplier), Qualifier = 92 (DUNS Number) ID Code = S0000123
HL*2*1*T	Hierarchical ID Number = 2, Hierarchical Parent level Code = 1, Hierarchical Level Code = T (Tare Level)
REF*LV*6JUNS00001230012345670**RC TWR1111	Master Load Label – REF*LS*'6J'+UN'+S00001230'+012345670' (6J + UN + Supplier Code (9 digit alpha numeric value with trailing zeros) + Unique Container Serial Number (unique 9 digit value with leading zeros)) (REF04 sub-elements). REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name.
HL*3*2*I	Hierarchical ID Number = 3 Hierarchical Parent ID = 2 (Refers back to Tare level), I= Item level
LIN**BP*23104982G00*PL*1	ID Qualifier = BP (Buyers Part Qualifier) Product Service ID = 04616403 (Autokiniton Part Number) Product Service ID Qualifier = PL (P.O. Line Number) Product Service ID = 1
SN1**1000*EA*5500	Number of Units Shipped = 1000 for part number 23104982G00 with Unit of Measure = EA & Year to date Shipped Quantity = 5500 for this model year
PRF*PO111	Purchase Order Number = PO111 (Same PO # for entire shipment)
CLD*4*250*CNT90	Inner container total per outer Pallet= 4, Item total per inner container = 250 and Container type code =



AUTOKINITON

	CNT90
REF*LV*1JUNS00001230012345671**RC TWR121514 HC H123 ZZ 20201230~	Part level container label - REF*LV*1J'+UN'+S00001230'+012345671' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))- Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.
REF*LV*1JUNS00001230012345672**RC TWR121514 HC H123 ZZ 20201230~	Part level container label - REF*LV*1J'+UN'+S00001230'+012345672' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))- Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.
REF*LV*1JUNS00001230012345673**RC TWR121514 HC H123 ZZ 20201230~	Part level container label - REF*LV*1J'+UN'+S00001230'+012345673' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))- Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06



AUTOKINITON

	Heat Code shelf Life Indicator / Heat Code expiration Date.
REF*LV*1JUNS00001230012345674**RC TWR121514 HC H123 ZZ 20201230~	<p>Part level container label - REF*LV*'1J'+ 'UN'+ 'S00001230'+ '012345674' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))- Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.</p>
CTT*1	Number of Line Items = 1
SE*26*0001	Number of segments with in ISA/GS Transaction Set = 26 that includes ST and SE segments. Transaction Set Control Number = 0001 same as ST02.



AUTOKINITON

ASN – Mixed Load Shipment Data:

ST*856*0002~

BSN*00*56781231*20180901*1230~

DTM*011*20180901*1230~

HL*1**S~

MEA*PD*G*9110*LB~

MEA*PD*N*8500*LB~

TD1*CNT90*4~

TD5*B*2*CETR*M~

TD3*TL**12345676~

REF*BM*2133931~

REF*BM*2133931~

N1*ST**1*198765489~

N1*SU**92*S0000123~

HL*2*1*T~

REF*LV*5JUNS00001230012345660**RC|TWR1111~

HL*3*2*I

LIN**BP*23104982G00*PL*0001~

SN1**500*EA*5000~

PRF*PO111~

CLD*2*250*CNT90~

REF*LV*1JUNS00001230012345661**RC|TWR121514|HC|H123|ZZ|20201230~

REF*LV*1JUNS00001230012345662**RC|TWR121514|HC|H123|ZZ|20201230~

HL*4*2*I

LIN**BP*23104982G11*PL*0002~

SN1**500*EA*4000~

PRF*PO111~

CLD*2*250*CNT90~

REF*LV*1JUNS00001230012345663**RC|TWR121514|HC|H123|ZZ|20201230~

REF*LV*1JUNS00001230012345664**RC|TWR121514|HC|H123|ZZ|20201230~

CTT*2~

SE*30*0002



AUTOKINITON

ASN Shipment Details	
Mixed Load Shipment: 5J	Outer Pallet container with inner containers that include different part numbers.
ST*856*0002	Transaction Set = 856 and control number 0002
BSN*00*56781231*20180901*1230~	Original Transmission = 00, Shipment Identification Number (SID) = 56781231, Date Transaction Set was Created =20180901
DTM*011*20180901*1230~	Date/Time reference Qualifier of Shipment = 011, Date of Shipment = 20180901, Time of Shipment = 1230
HL*1**S	Hierarchical ID Number = 1 Hierarchical Parent ID = Blank Hierarchical Level Code = S (Shipment)
MEA*PD*G*9118*LB	Measurement Reference ID = PD (Physical Dimensions) Measurement Qualifier = G (Gross Weight) Measurement Value = 9118 Unit of Measure = LB
MEA*PD*N*8500*LB	Measurement Reference ID = PD (Physical Dimensions) Measurement Qualifier = N (Net Weight) Measurement Value = 8500 Unit of Measure = LB
TD1*CNT90*4	Packaging Code = CNT90 Lading Quantity = 4 (number of pallets in this shipment)
TD5*B*2*CERT*M	Routing Sequence Code = B IF Code Qualifier = 2, Standard Carrier Alpha Code = SCAC code, Method of Transport = M.
TD3*TL**12345676	Equipment Description Code = TL (Trailer), Equipment Number / Vehicle ID = 12345676

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AUTOKINITON

REF*BM*2133931	Reference Number Qualifier = BM (Bill of Material) Reference Number = 2133932 (Bill of Material Number)
REF*PK*2133931	Reference Number Qualifier = PK (Packing List) Reference Number = 2133932 (Packing List Number)
N1*ST**01*198765489	Entity ID Code = ST (Ship To), Qualifier = 01 (DUNS Number) ID Code = 198765489
N1*SU**92* S0000123	Entity ID Code = SU (Supplier), Qualifier = 92(DUNS Number)ID Code = S0000123
HL*2*1*T	Hierarchical ID Number = 2, Hierarchical Parent level Code = 1, Hierarchical Level Code = T (Tare Level)
REF*LV*5JUNS00001230012345660**RC TWR1111	Master Load Label - REF*LS*'5J'+UN'+S00001230'+012345660' (5J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Unique Container Serial Number (unique 9 digit value with leading zeros)) (REF04 sub-elements). REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name.
HL*3*2*I	Hierarchical ID Number = 3 Hierarchical Parent ID = 2 (Refers back to Tare level), I= Item level
LIN**BP*23104982G00*PL*1	ID Qualifier = BP (Buyers Part Qualifier) Product Service ID = 23104982G00 (Autokiniton Part Number) Product Service ID Qualifier = PL (P.O. Line Number) Product Service ID = 1
SN1**500*EA*5000	Number of Units Shipped = 500 for part number 23104982G00 with Unit of Measure = EA & Year to date Shipped Quantity = 5000 for this model year
PRF*PO111	Purchase Order Number = PO111 (Same PO # for entire shipment)
CLD*2*250*CNT90	Inner container total per outer Pallet= 2, Item total per inner container = 250 and Container type code = CNT90

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<p>REF*LV*1JUNS00001230012345661**RC TWR121514 HC H123 ZZ 20201230~</p>	<p>Part level container label - REF*LV*1J'+UN'+S00001230'+012345661' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))-Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.</p>
<p>REF*LV*1JUNS00001230012345662**RC TWR121514 HC H123 ZZ 20201230~</p>	<p>Part level container label - REF*LV*1J'+UN'+S00001230'+012345662' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))-Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.</p>
<p>HL*4*2*I</p>	<p>Hierarchical ID Number = 4 Hierarchical Parent ID = 2 (Refers back to Tare level), I= Item level</p>
<p>LIN**BP*23104982G11*PL*1</p>	<p>ID Qualifier = BP (Buyers Part Qualifier) Product Service ID = 23104982G11 (Part Number) Product Service ID Qualifier = PL (P.O. Line Number) Product Service ID = 2</p>
<p>SN1**500*EA*4000</p>	<p>Number of Units Shipped = 500 for part number 23104982G11 with Unit of Measure = EA & Year to date Shipped Quantity = 4000 for this model year</p>
<p>PRF*PO111</p>	<p>Purchase Order Number = PO111 (Same PO # for entire shipment)</p>
<p>CLD*2*250*CNT90</p>	<p>Inner container total per outer Pallet= 2, Item total per inner container = 250 and Container type code = CNT90</p>



AUTOKINITON

<p>REF*LV*1JUNS00001230012345663**RC TWR121514 HC H123 ZZ 20201230~</p>	<p>Part level container label - REF*LV*1J'+UN'+S00001230'+012345663' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))-Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.</p>
<p>REF*LV*1JUNS00001230012345664**RC TWR121514 HC H123 ZZ 20201230~</p>	<p>Part level container label - REF*LV*1J'+UN'+S00001230'+012345664' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))-Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.</p>
<p>CTT*2</p>	<p>Number of Line Items = 2</p>
<p>SE*30*0001</p>	<p>Number of segments with in ISA/GS Transaction Set = 30 that includes ST and SE segments. Transaction Set Control Number = 0002 same as ST02.</p>



AUTOKINITON

ASN – Level-One Container Shipment Data:

ST*856*0003~

BSN*00*56781232*20180901*1230~

DTM*011*20180901*1230~

HL*1**S~

MEA*PD*G*7500*LB~

MEA*PD*N*5500*LB~

TD1*BOX25*4~

TD5*B*2*CETR*M~

TD3*TL**12345675~

REF*BM*2133932~

REF*BM*2133932~

N1*ST**1*198765489~

N1*SU**92*S0000123~

HL*2*1*I~

LIN**BP***23104982G00***PL*0001~

SN1**100*EA*1000~

PRF*PO111~

CLD*1*100*BOX25~

REF*LV***1JUNS00001230012345651****RC|TWR121514|HC|H123|ZZ|20201230~

HL*3*1*I

LIN**BP***23104982G11***PL*0002~

SN1**200*EA*2000~

PRF*PO111~

CLD*2*200*BOX25~

REF*LV***1JUNS00001230012345652****RC|TWR121514|HC|H123|ZZ|20201230~

REF*LV***1JUNS00001230012345653****RC|TWR121514|HC|H123|ZZ|20201230~

HL*4*1*I~

LIN**BP***23104982G22***PL*0003~

SN1**100*EA*2000~

PRF*PO111~

CLD*1*100*BOX25~

REF*LV***1JUNS00001230012345654****RC|TWR121514|HC|H123|ZZ|20201230~

CTT*3~

SE*34*0003



AUTOKINITON

ASN Shipment Details	
Level-One Container Shipment: 1J	Level-One containers that includes Same or different part numbers (Without Master Container)
ST*856*0003	Transaction Set = 856 and control number 0003
BSN*00*56781232*20180901*1230~	Original Transmission = 00, Shipment Identification Number (SID) = 56781232, Date Transaction Set was Created = 20180901
DTM*011*20180901*1230~	Date/Time reference Qualifier of Shipment = 011, Date of Shipment = 20180901, Time of Shipment = 1230
HL*1**S	Hierarchical ID Number = 1 Hierarchical Parent ID = Blank Hierarchical Level Code = S (Shipment)
MEA*PD*G*7500*LB	Measurement Reference ID = PD (Physical Dimensions) Measurement Qualifier = G (Gross Weight) Measurement Value = 7500 Unit of Measure = LB
MEA*PD*N*5500*LB	Measurement Reference ID = PD (Physical Dimensions) Measurement Qualifier = N (Net Weight) Measurement Value = 5500 Unit of Measure = LB
TD1*BOX25*4	Packaging Code = BOX25, Lading Quantity = 4 (number of container in this shipment)
TD5*B*2*CERT*M	Routing Sequence Code = B IF Code Qualifier = 2, Standard Carrier Alpha Code = SCAC code, Method of Transport = M.
TD3*TL**12345675	Equipment Description Code = TL (Trailer), Equipment Number / Vehicle ID = 12345675

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AUTOKINITON

REF*BM*2133932	Reference Number Qualifier = BM (Bill of Material) Reference Number = 2133932 (Bill of Material Number)
REF*PK*2133932	Reference Number Qualifier = PK (Packing List) Reference Number = 2133932 (Packing List Number)
N1*ST**01*198765489	Entity ID Code = ST (Ship To), Qualifier = 01 (DUNS Number) ID Code = 198765489
N1*SU**92* S0000123	Entity ID Code = SU (Supplier), Qualifier = 92(DUNS Number) ID Code = S0000123
HL*2*1*I	Hierarchical ID Number = 2 Hierarchical Parent ID = 1 (Refers back to Shipment level), I= Item level
LIN**BP*23104982G00*PL*1	ID Qualifier = BP (Buyers Part Qualifier) Product Service ID = 23104982G00 (Autokiniton Part Number) Product Service ID Qualifier = PL (P.O. Line Number) Product Service ID = 1
SN1**100*EA*1000	Number of Units Shipped = 100 for part number 23104982G00 with Unit of Measure = EA & Year to date Shipped Quantity = 1000 for this model year
PRF*PO111	Purchase Order Number = PO111 (Same PO # for entire shipment)
CLD*1*100*BOX25	Inner container total = 1, Item total per inner container = 100 and Container type code = BOX25



AUTOKINITON

<p>REF*LV*1JUNS00001230012345651**R C TWR121514 HC H123 ZZ 20201230~</p>	<p>Part level container label - REF*LV*1J+'UN'+S00001230'+012345651' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))- Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.</p>
<p>HL*3*1*I</p>	<p>Hierarchical ID Number = 3 Hierarchical Parent ID = 1 (Refers back to Shipment level), I= Item level</p>
<p>LIN**BP*23104982G00*PL*1</p>	<p>ID Qualifier = BP (Buyers Part Qualifier) Product Service ID = 23104982G11 (Autokiniton Part Number) Product Service ID Qualifier = PL (P.O. Line Number) Product Service ID = 2</p>
<p>SN1**200*EA*2000</p>	<p>Number of Units Shipped = 200 for part number 23104982G11 with Unit of Measure = EA & Year to date Shipped Quantity = 2000 for this model year</p>
<p>PRF*PO111</p>	<p>Purchase Order Number = PO111 (Same PO # for entire shipment)</p>
<p>CLD*2*100*BOX25</p>	<p>Inner container total = 2, Item total per inner container = 100 and Container type code = BOX25</p>



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<p>REF*LV*1JUNS00001230012345652**R C TWR121514 HC H123 ZZ 20201230~</p>	<p>Part level container label - REF*LV*1J'+UN'+S00001230'+012345652' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))- Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.</p>
<p>REF*LV*1JUNS00001230012345653**R C TWR121514 HC H123 ZZ 20201230~</p>	<p>Part level container label - REF*LV*1J'+UN'+S00001230'+012345653' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))- Container unique License Plate#. REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.</p>
<p>HL*4*1*I</p>	<p>Hierarchical ID Number = 4 Hierarchical Parent ID = 1 (Refers back to Shipment level), I= Item level</p>
<p>LIN**BP*23104982G22*PL*3</p>	<p>ID Qualifier = BP (Buyers Part Qualifier) Product Service ID = 23104982G22 (AUtokiniton Part Number) Product Service ID Qualifier = PL (P.O. Line Number) Product Service ID = 3</p>
<p>SN1**100*EA*2000</p>	<p>Number of Units Shipped = 100 for part number 23104982G22 with Unit of Measure = EA & Year to date Shipped Quantity = 2000 for this model year</p>

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PRF*PO111	Purchase Order Number = PO111 (Same PO # for entire shipment)
CLD*1*100*BOX25	Inner container total = 1, Item total per inner container = 100 and Container type code = BOX25
REF*LV*1JUN'S00001230012345654**R C TWR121514 HC H123 ZZ 20201230~	Part level container label - REF*LV*'1J'+ 'UN'+ 'S00001230'+ '012345654' (1J + UN + Supplier Code (9 digit alphanumeric value with trailing zeros) + Container Serial Number (unique 9 digits value with leading zeros))- Container unique License Plate# . REF04:01 = RC (RC returnable / XC expendable container qualifier) REF04:02 - container item name. REF04:03 = HC Heat code qualifier and REF04:04 Heat code. REF04:05 = ZZ Indicator qualifier and REF04:06 Heat Code shelf Life Indicator / Heat Code expiration Date.
CTT*3	Number of Line Items = 3
SE*34*0003	Number of segments with in ISA/GS Transaction Set = 34 that includes ST and SE segments. Transaction Set Control Number = 0003 same as ST02.

Autokiniton IT Contact information:

EDI Team Contact: EDISupport@autokiniton.com

IT Helpdesk:

Phone: 877-999-4877

Email: it.servicedesk@autokiniton.com

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