

International Motors, LLC

INTERNATIONAL[®]

EDI 856 – Ship Notice / Manifest

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Version Release 3050**

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856 Ship Notice/Manifest

Functional Group=SH

Purpose: This Draft Standard for Trial Use 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Used
020	BSN	Beginning Segment for Ship Notice	M	1			Used
* 030	NTE	Note/Special Instruction	F	100			Not Used
040	DTM	Date/Time Reference	O	10			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - HL					200000	C2/010L	
010	HL	Hierarchical Level [Shipment]	M	1		C2/010	Used
* 020	LIN	Item Identification	O	1			Not Used
* 030	SN1	Item Detail (Shipment)	O	1			Not Used
* 040	SLN	Subline Item Detail	O	1000			Not Used
050	PRF	Purchase Order Reference	O	1			Used
* 060	PO4	Item Physical Details	O	1			Not Used
* 070	PID	Product/Item Description	O	200			Not Used
080	MEA	Measurements	O	40			Used
* 090	PWK	Paperwork	O	25			Not Used
* 100	PKG	Marking, Packaging, Loading	O	25			Not Used
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
130	TD3	Carrier Details (Equipment)	O	12			Used
* 140	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5			Not Used
150	REF	Reference Numbers	O	>1			Used
* 151	PER	Administrative Communications Contact	O	3			Not Used
* LOOP ID - LH1					100		
* 152	LH1	Hazardous Identification Information	O	1			Not Used
* 153	LH2	Hazardous Classification Information	O	4			Not Used
* 154	LH3	Hazardous Material Shipping Name	O	12			Not Used
* 155	LFH	Freeform Hazardous Material Information	O	20			Not Used
* 156	LEP	EPA Required Data	O	3			Not Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
* 157	LH4	Canadian Dangerous Requirements	O	1			Not Used
* 158	LHT	Transborder Hazardous Requirements	O	3			Not Used
* 159	LHR	Hazardous Material Identifying Reference Numbers	O	10			Not Used
* 160	PER	Administrative Communications Contact	O	5			Not Used
* 161	LHE	Empty Equipment Hazardous Material Information	O	1			Not Used
* LOOP ID - CLD					200		
* 170	CLD	Load Detail	O	1			Not Used
* 180	REF	Reference Numbers	O	200			Not Used
* 185	DTP	Date or Time or Period	O	1			Not Used
* 190	MAN	Marks and Numbers	O	>1			Not Used
* 200	DTM	Date/Time Reference	O	10			Not Used
210	FOB	F.O.B. Related Instructions	O	1			Used
* 215	PAL	Pallet Information	O	1			Not Used
LOOP ID - N1					200	N2/220L	
220	N1	Name	O	1			Used
* 230	N2	Additional Name Information	O	2			Not Used
240	N3	Address Information	O	2			Used
250	N4	Geographic Location	O	1			Used
260	REF	Reference Numbers	O	12			Used
* 270	PER	Administrative Communications Contact	O	3			Not Used
* 280	FOB	F.O.B. Related Instructions	O	1			Not Used
* 290	SDQ	Destination Quantity	O	50			Not Used
* 300	ETD	Excess Transportation Detail	O	1			Not Used
* 310	CUR	Currency	O	1			Not Used
* 320	SAC	Service, Promotion, Allowance, or Charge Information	O	10			Not Used
* 330	GF	Furnished Goods and Services	O	1			Not Used
* LOOP ID - LM					10		
* 340	LM	Code Source Information	O	1			Not Used
* 350	LQ	Industry Code	M	100			Not Used
LOOP ID - HL					200000	C2/360L	
360	HL	Hierarchical Level [Tare]	M	1		C2/360	Used
* 370	LIN	Item Identification	O	1			Not Used
* 380	SN1	Item Detail (Shipment)	O	1			Not Used
* 390	SLN	Subline Item Detail	O	1000			Not Used
* 400	PRF	Purchase Order Reference	O	1			Not Used
* 410	PO4	Item Physical Details	O	1			Not Used
* 420	PID	Product/Item Description	O	200			Not Used
430	MEA	Measurements	O	40			Used
* 440	PWK	Paperwork	O	25			Not Used
* 450	PKG	Marking, Packaging, Loading	O	25			Not Used
* 460	TD1	Carrier Details (Quantity and Weight)	O	20			Not Used
* 470	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Not Used
* 480	TD3	Carrier Details (Equipment)	O	12			Not Used
* 490	TD4	Carrier Details (Special Handling or Hazardous)	O	5			Not Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
		Materials or Both)					
500	REF	Reference Numbers	O	>1			Used
* 510	PER	Administrative Communications Contact	O	3			Not Used
* LOOP ID - LH1					<u>100</u>		
* 520	LH1	Hazardous Identification Information	O	1			Not Used
* 530	LH2	Hazardous Classification Information	O	4			Not Used
* 540	LH3	Hazardous Material Shipping Name	O	12			Not Used
* 550	LFH	Freeform Hazardous Material Information	O	20			Not Used
* 560	LEP	EPA Required Data	O	3			Not Used
* 570	LH4	Canadian Dangerous Requirements	O	1			Not Used
* 580	LHT	Transborder Hazardous Requirements	O	3			Not Used
* 590	LHR	Hazardous Material Identifying Reference Numbers	O	10			Not Used
* 600	PER	Administrative Communications Contact	O	5			Not Used
* 610	LHE	Empty Equipment Hazardous Material Information	O	1			Not Used
* LOOP ID - CLD					<u>200</u>		
* 620	CLD	Load Detail	O	1			Not Used
* 630	REF	Reference Numbers	O	200			Not Used
* 640	DTP	Date or Time or Period	O	1			Not Used
* 650	MAN	Marks and Numbers	O	>1			Not Used
* 660	DTM	Date/Time Reference	O	10			Not Used
* 670	FOB	F.O.B. Related Instructions	O	1			Not Used
* 680	PAL	Pallet Information	O	1			Not Used
* LOOP ID - N1					<u>200</u>		
* 690	N1	Name	O	1			Not Used
* 700	N2	Additional Name Information	O	2			Not Used
* 710	N3	Address Information	O	2			Not Used
* 720	N4	Geographic Location	O	1			Not Used
* 730	REF	Reference Numbers	O	12			Not Used
* 740	PER	Administrative Communications Contact	O	3			Not Used
* 750	FOB	F.O.B. Related Instructions	O	1			Not Used
* 760	SDQ	Destination Quantity	O	50			Not Used
* 770	ETD	Excess Transportation Detail	O	1			Not Used
* 780	CUR	Currency	O	1			Not Used
* 790	SAC	Service, Promotion, Allowance, or Charge Information	O	10			Not Used
* 800	GF	Furnished Goods and Services	O	1			Not Used
* LOOP ID - LM					<u>10</u>		
* 810	LM	Code Source Information	O	1			Not Used
* 820	LQ	Industry Code	M	100			Not Used
LOOP ID - HL					<u>200000</u>	<u>C2/360L</u>	
360	HL	Hierarchical Level [Item]	M	1		C2/360	Used
370	LIN	Item Identification	O	1			Used
380	SN1	Item Detail (Shipment)	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
* 390	SLN	Subline Item Detail	O	1000			Not Used
400	PRF	Purchase Order Reference	O	1			Used
* 410	PO4	Item Physical Details	O	1			Not Used
* 420	PID	Product/Item Description	O	200			Not Used
* 430	MEA	Measurements	O	40			Not Used
* 440	PWK	Paperwork	O	25			Not Used
* 450	PKG	Marking, Packaging, Loading	O	25			Not Used
* 460	TD1	Carrier Details (Quantity and Weight)	O	20			Not Used
* 470	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Not Used
* 480	TD3	Carrier Details (Equipment)	O	12			Not Used
490	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5			Used
500	REF	Reference Numbers	O	>1			Used
* 510	PER	Administrative Communications Contact	O	3			Not Used
* LOOP ID - LH1					<u>100</u>		
* 520	LH1	Hazardous Identification Information	O	1			Not Used
* 530	LH2	Hazardous Classification Information	O	4			Not Used
* 540	LH3	Hazardous Material Shipping Name	O	12			Not Used
* 550	LFH	Freeform Hazardous Material Information	O	20			Not Used
* 560	LEP	EPA Required Data	O	3			Not Used
* 570	LH4	Canadian Dangerous Requirements	O	1			Not Used
* 580	LHT	Transborder Hazardous Requirements	O	3			Not Used
* 590	LHR	Hazardous Material Identifying Reference Numbers	O	10			Not Used
* 600	PER	Administrative Communications Contact	O	5			Not Used
* 610	LHE	Empty Equipment Hazardous Material Information	O	1			Not Used
LOOP ID - CLD					<u>200</u>		
620	CLD	Load Detail	O	1			Used
* 630	REF	Reference Numbers	O	200			Not Used
* 640	DTP	Date or Time or Period	O	1			Not Used
* 650	MAN	Marks and Numbers	O	>1			Not Used
* 660	DTM	Date/Time Reference	O	10			Not Used
* 670	FOB	F.O.B. Related Instructions	O	1			Not Used
* 680	PAL	Pallet Information	O	1			Not Used
* LOOP ID - N1					<u>200</u>		
* 690	N1	Name	O	1			Not Used
* 700	N2	Additional Name Information	O	2			Not Used
* 710	N3	Address Information	O	2			Not Used
* 720	N4	Geographic Location	O	1			Not Used
* 730	REF	Reference Numbers	O	12			Not Used
* 740	PER	Administrative Communications Contact	O	3			Not Used
* 750	FOB	F.O.B. Related Instructions	O	1			Not Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
* 760	SDQ	Destination Quantity	O	50			Not Used
* 770	ETD	Excess Transportation Detail	O	1			Not Used
* 780	CUR	Currency	O	1			Not Used
* 790	SAC	Service, Promotion, Allowance, or Charge Information	O	10			Not Used
* 800	GF	Furnished Goods and Services	O	1			Not Used
* LOOP ID - LM					10		
* 810	LM	Code Source Information	O	1			Not Used
* 820	LQ	Industry Code	M	100			Not Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Used

Notes:

- 2/220L Navistar expects segments in the N1 loop on ASN's to mirror segments in N1 loop provided in documents that authorize shipment (i.e. 830, 850, 860, 862, 866 or whichever apply).
- 3/010 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.

Comments:

- 2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/360L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/360 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/360L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/360 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

Trading Partner:

Within this Implementation Guide, ASC-X12 Position Numbers have been resequenced to reflect an HL Loop illustrated at the Shipment Level followed by an HL Loop at the Tare Level (for service parts only); followed by an HL Loop at the Item Level.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Used

Description: Code uniquely identifying a Transaction Set.

Code List Summary (Total Codes: 244, Included: 1)

Code Name

856 X12.10 Ship Notice/Manifest

ST02	329	Transaction Set Control Number	M	AN	4/9	Used
------	-----	---------------------------------------	---	----	-----	------

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Trading Partner:

This segment is used in all Navistar 856 transactions.

BSN Beginning Segment for Ship Notice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: To transmit identifying numbers, dates and other basic data relating to the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Used						
<p>Description: Code identifying purpose of transaction set.</p> <p>Code List Summary (Total Codes: 57, Included: 2)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> <tr> <td>05</td> <td>Replace</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	00	Original	05	Replace
<u>Code</u>	<u>Name</u>											
00	Original											
05	Replace											
BSN02	396	Shipment Identification	M	AN	2/30	Used						
<p>Description: A unique control number assigned by the original shipper to identify a specific shipment.</p> <p>Trading Partner: For Navistar Truck Division, if shipment number is different than Bill of Lading number, do not use shipment number in the REF*BM. Use only the Bill of Lading Number. However if Bill of Lading number is same as your shipment ID, it must also be provided in the REF*BM.</p> <p>Service Parts: ASN Number must not be longer than 20 positions and cannot contain any special characters.</p>												
BSN03	373	Date	M	DT	6/6	Used						
<p>Description: Date (YYMMDD).</p>												
BSN04	337	Time	M	TM	4/8	Used						
<p>Description: 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)</p>												
* BSN05	1005	Hierarchical Structure Code	O	ID	4/4	Not used						
<p>Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set.</p>												
* BSN06	640	Transaction Type Code	C	ID	2/2	Not used						
<p>Description: Code specifying the type of transaction.</p>												
* BSN07	641	Status Reason Code	O	ID	3/3	Not used						
<p>Description: Code indicating the status reason.</p>												

Syntax Rules:

1. C0706 - If BSN07 is present, then BSN06 is required.

Semantics:

1. BSN03 is the date the shipment transaction set is created.
2. BSN04 is the time the shipment transaction set is created.
3. BSN06 is limited to shipment related codes

Comments:

1. BSN06 and BSN07 differentiate the functionality of use for the transaction set

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

DTM Date/Time Reference

Pos: 040	Max: 10
Heading - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Used
		Description: Code specifying type of date or time, or both date and time.				
		Code List Summary (Total Codes: 706, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		011	Shipped			
DTM02	373	Date	C	DT	6/6	Used
		Description: Date (YYMMDD).				
DTM03	337	Time	C	TM	4/8	Used
		Description: 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)				
DTM04	623	Time Code	O	ID	2/2	Used
		Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.				
DTM05	624	Century	O	N0	2/2	Used
		Description: The first two characters in the designation of the year (CCYY).				
* DTM06	1250	Date Time Period Format Qualifier	C	ID	2/3	Not used
		Description: Code indicating the date format, time format, or date and time format.				
* DTM07	1251	Date Time Period	C	AN	1/35	Not used
		Description: Expression of a date, a time, or range of dates, times or dates and times.				

Syntax Rules:

1. R020306 - At least one of DTM02, DTM03 or DTM06 is required.
2. P0607 - If either DTM06 or DTM07 is present, then the other is required.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

HL Hierarchical Level [Shipment]

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Used
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.				
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.				
HL03	735	Hierarchical Level Code	M	ID	1/2	Used
		Description: Code defining the characteristic of a level in a hierarchical structure.				
		Code List Summary (Total Codes: 84, Included: 1)				
		Code	Name			
		S	Shipment			
* HL04	736	Hierarchical Child Code	O	ID	1/1	Not used
		Description: Code indicating whether if there are hierarchical child data segments subordinate to the level being described.				

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.
2. The HL segment defines a top-down/left-right ordered structure.
3. 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.
4. HL02 identifies the Hierarchical ID Number of the HL segment to which the current HL segment is subordinate.
5. 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.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 7

User Option (Usage): Used

Purpose: Used at the SHIPMENT level - To provide reference to a specific purchase order.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	Purchase Order Number	M	AN	1/22	Used
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser.				
		Trading Partner: The Purchase Order Number at line item level overrides the Purchase Order Number in the header level.				
* PRF02	328	Release Number	O	AN	1/30	Not used
		Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.				
* PRF03	327	Change Order Sequence Number	O	AN	1/8	Not used
		Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set.				
PRF04	373	Date	O	DT	6/6	Used
		Description: Date (YYMMDD).				
* PRF05	350	Assigned Identification	O	AN	1/11	Not used
		Description: Alphanumeric characters assigned for differentiation within a transaction set.				
* PRF06	367	Contract Number	O	AN	1/30	Not used
		Description: Contract number.				
* PRF07	92	Purchase Order Type Code	O	ID	2/2	Not used
		Description: Code specifying the type of Purchase Order.				

Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

This Segment is Not Used.

MEA Measurements

Pos: 080	Max: 40
Detail - Optional	
Loop: HL	Elements: 10

User Option (Usage): Used

Purpose: Used at the SHIPMENT level - To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used
<p>Description: Code identifying the broad category to which a measurement applies</p> <p>Code List Summary (Total Codes: 98, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>PD Physical Dimensions (Product Ordered)</p>						
MEA02	738	Measurement Qualifier	O	ID	1/3	Used
<p>Description: Code identifying a specific product or process characteristic to which a measurement applies</p> <p>Code List Summary (Total Codes: 802, Included: 2)</p> <p><u>Code</u> <u>Name</u></p> <p>G Gross Weight</p> <p>N Actual Net Weight</p>						
MEA03	739	Measurement Value	C	R	1/20	Used
<p>Description: The value of the measurement.</p>						
MEA04	C001	Composite Unit of Measure	C	Comp		Used
<p>Description: To identify a composite unit of measure(See Figures Appendix in X12.3 Data Element Dictionary Release 3050).</p>						
MEA04-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Used
<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Trading Partner: International requires "LB" = Pound.</p> <p>Code List Summary (Total Codes: 726, Included: 2)</p> <p><u>Code</u> <u>Name</u></p> <p>KG Kilogram</p> <p>LB Pound</p>						
* MEA04-02	1018	Exponent	O	R	1/15	Not used
<p>Description: Power to which a unit is raised.</p>						
* MEA04-03	649	Multiplier	O	R	1/10	Not used
<p>Description: Value to be used as a multiplier to obtain a new value</p>						
* MEA04-04	355	Unit or Basis for Measurement Code	O	ID	2/2	Not used
<p>Description: Code specifying the units in which a value is being expressed, or manner in which a</p>						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		measurement has been taken				
* MEA04-05	1018	Exponent	O	R	1/15	Not used
		Description: Power to which a unit is raised.				
* MEA04-06	649	Multiplier	O	R	1/10	Not used
		Description: Value to be used as a multiplier to obtain a new value				
* MEA04-07	355	Unit or Basis for Measurement Code	O	ID	2/2	Not used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* MEA04-08	1018	Exponent	O	R	1/15	Not used
		Description: Power to which a unit is raised.				
* MEA04-09	649	Multiplier	O	R	1/10	Not used
		Description: Value to be used as a multiplier to obtain a new value				
* MEA04-10	355	Unit or Basis for Measurement Code	O	ID	2/2	Not used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* MEA04-11	1018	Exponent	O	R	1/15	Not used
		Description: Power to which a unit is raised.				
* MEA04-12	649	Multiplier	O	R	1/10	Not used
		Description: Value to be used as a multiplier to obtain a new value				
* MEA04-13	355	Unit or Basis for Measurement Code	O	ID	2/2	Not used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* MEA04-14	1018	Exponent	O	R	1/15	Not used
		Description: Power to which a unit is raised.				
* MEA04-15	649	Multiplier	O	R	1/10	Not used
		Description: Value to be used as a multiplier to obtain a new value				
* MEA05	740	Range Minimum	C	R	1/20	Not used
		Description: The value specifying the minimum of the measurement range.				
* MEA06	741	Range Maximum	C	R	1/20	Not used
		Description: The value specifying the maximum of the measurement range.				
* MEA07	935	Measurement Significance Code	O	ID	2/2	Not used
		Description: Code used to benchmark, qualify or further define a measurement value.				
* MEA08	936	Measurement Attribute Code	C	ID	2/2	Not used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code used to express an attribute response when a numeric measurement value cannot be determined.				
* MEA09	752	Surface/Layer/Position Code	O	ID	2/2	Not used
		Description: Code indicating the product surface, layer or position that is being described.				
* MEA10	1373	Measurement Method or Device	C	ID	2/4	Not used
		Description: The method or device used to record the measurement				

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 8

User Option (Usage): Used

Purpose: Used at SHIPMENT level - To specify the transportation details relative to commodity, weight and quantity.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD101	103	Packaging Code Description: Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.	O	AN	3/5	Used
TD102	80	Lading Quantity Description: Number of units (pieces) of the lading commodity.	C	NO	1/7	Used
* TD103	23	Commodity Code Qualifier Description: Code identifying the commodity coding system used for Commodity Code.	O	ID	1/1	Not used
* TD104	22	Commodity Code Description: Code describing a commodity or group of commodities.	C	AN	1/30	Not used
TD105	79	Lading Description Description: Description of an item as required for rating and billing purposes.	O	AN	1/50	Used
* TD106	187	Weight Qualifier Description: Code defining the type of weight.	O	ID	1/2	Not used
* TD107	81	Weight Description: Numeric value of weight.	C	R	1/10	Not used
* TD108	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Not used

Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C0607 - If TD106 is present, then TD107 is required.
4. P0708 - If either TD107 or TD108 is present, then the other is required.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 12

User Option (Usage): Used

Purpose: Used at SHIPMENT level - To specify the carrier, sequence of routing and to provide transit time information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD501	133	Routing Sequence Code	O	ID	1/2	Used
<p>Description: Code describing the relationship of a carrier to a specific shipment movement.</p> <p>Code List Summary (Total Codes: 23, Included: 1)</p> <p>Code Name</p> <p>B Origin/Delivery Carrier (Any Mode)</p>						
TD502	66	Identification Code Qualifier	C	ID	1/2	Used
<p>Description: Code designating the system/method of code structure used for Identification Code (67).</p> <p>Code List Summary (Total Codes: 169, Included: 1)</p> <p>Code Name</p> <p>2 Standard Carrier Alpha Code (SCAC)</p>						
TD503	67	Identification Code	C	AN	2/20	Used
<p>Description: Code identifying a party or other code.</p>						
TD504	91	Transportation Method/Type Code	C	ID	1/2	Used
<p>Description: Code specifying the method or type of transportation for the shipment.</p> <p>Code List Summary (Total Codes: 70, Included: 7)</p> <p>Code Name</p> <p>A Air</p> <p>M Motor (Common Carrier)</p> <p>O Containerized Ocean</p> <p>Q Conventional Ocean</p> <p>R Rail</p> <p>U Private Parcel Service</p> <p>LT Less Than Trailer Load (LTL)</p>						
TD505	387	Routing	C	AN	1/35	Used
<p>Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.</p>						
* TD506	368	Shipment/Order Status Code	C	ID	2/2	Not used
<p>Description: Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction.</p>						
TD507	309	Location Qualifier	O	ID	1/2	Used
<p>Description: Code identifying type of location.</p>						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Code List Summary (Total Codes: 91, Included: 2)						
Code Name						
OR Origin (Shipping Point)						
PP Pool Point						
TD508	310	Location Identifier	C	AN	1/30	Used
Description: Code which identifies a specific location.						
* TD509	731	Transit Direction Code	O	ID	2/2	Not used
Description: The point of origin and point of direction.						
* TD510	732	Transit Time Direction Qualifier	O	ID	2/2	Not used
Description: Code specifying the value of time used to measure the transit time.						
* TD511	733	Transit Time	C	R	1/4	Not used
Description: The numeric amount of transit time.						
* TD512	284	Service Level Code	C	ID	2/2	Not used
Description: Code defining service						

Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.

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; use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

TD3 Carrier Details (Equipment)

Pos: 130	Max: 12
Detail - Optional	
Loop: HL	Elements: 9

User Option (Usage): Used

Purpose: Used at SHIPMENT level - To specify transportation details relating to the equipment used by the carrier.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD301	40	Equipment Description Code	M	ID	2/2	Used
		Description: Code identifying type of equipment used for shipment.				
		Code List Summary (Total Codes: 127, Included: 1)				
		Code Name				
		TL Trailer (not otherwise specified)				
* TD302	206	Equipment Initial	O	AN	1/4	Not used
		Description: Prefix or alphabetic part of an equipment unit's identifying number.				
TD303	207	Equipment Number	C	AN	1/10	Used
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).				
* TD304	187	Weight Qualifier	O	ID	1/2	Not used
		Description: Code defining the type of weight.				
* TD305	81	Weight	C	R	1/10	Not used
		Description: Numeric value of weight.				
* TD306	355	Unit or Basis for Measurement Code	C	ID	2/2	Not used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* TD307	102	Ownership Code	O	ID	1/1	Not used
		Description: Code indicating the relationship of equipment to carrier or ownership of equipment				
* TD308	407	Seal Status Code	O	ID	2/2	Not used
		Description: Code indicating condition of door seal upon arrival.				
* TD309	225	Seal Number	O	AN	2/15	Not used
		Description: Unique number on seal used to close a shipment.				

Syntax Rules:

1. C0203 - If TD302 is present, then TD303 is required.
2. C0405 - If TD304 is present, then TD305 is required.
3. P0506 - If either TD305 or TD306 is present, then the other is required.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

This Segment is Not Used.

REF Reference Numbers

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: Used at SHIPMENT level - To specify identifying numbers.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Number Qualifier	M	ID	2/2	Used
Description: Code qualifying the Reference Number.						
Code List Summary (Total Codes: 1082, Included: 9)						
Code Name						
AW Air Waybill Number						
BM Bill of Lading Number						
CN Carrier's Reference Number (PRO/Invoice)						
FR Freight Bill Number						
JA Beginning Job Sequence Number						
JE Ending Job Sequence Number						
PK Packing List Number						
RV Receiving Number						
SI Shipper's Identifying Number for Shipment (SID)						
REF02	127	Reference Number	C	AN	1/30	Used
Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.						
* REF03	352	Description	C	AN	1/80	Not used
Description: A free-form description to clarify the related data elements and their content.						

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

FOB F.O.B. Related Instructions

Pos: 210	Max: 1
Detail - Optional	
Loop: HL	Elements: 9

User Option (Usage): Used

Purpose: Used at SHIPMENT level - To specify transportation instructions relating to shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Used
		Description: Code identifying payment terms for transportation charges.				
		Code List Summary (Total Codes: 28, Included: 2)				
		Code Name				
		CC		Collect		
		PP		Prepaid (by Seller)		
* FOB02	309	Location Qualifier	C	ID	1/2	Not used
		Description: Code identifying type of location.				
* FOB03	352	Description	O	AN	1/80	Not used
		Description: A free-form description to clarify the related data elements and their content.				
* FOB04	334	Transportation Terms Qualifier Code	O	ID	2/2	Not used
		Description: Code identifying the source of the transportation terms.				
* FOB05	335	Transportation Terms Code	C	ID	3/3	Not used
		Description: Code identifying the trade terms which apply to the shipment transportation responsibility.				
* FOB06	309	Location Qualifier	C	ID	1/2	Not used
		Description: Code identifying type of location.				
* FOB07	352	Description	O	AN	1/80	Not used
		Description: A free-form description to clarify the related data elements and their content.				
* FOB08	54	Risk of Loss Qualifier	O	ID	2/2	Not used
		Description: Code specifying where responsibility for risk of loss passes.				
* FOB09	352	Description	C	AN	1/80	Not used
		Description: A free-form description to clarify the related data elements and their content.				

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.

2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

This Segment is Not Used.

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

N1 Name

Pos: 220	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

Purpose: Used at SHIPMENT level - To identify a party by type of organization, name and code.

Trading Partners: Navistar expects segments in the N1 loop on ASN's to mirror segments in N1 loop provided in documents that authorize shipment (i.e. 830, 850, 860, 862, 866 or whichever apply).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/2	Used

Description: Code identifying an organizational entity, a physical location, or an individual

Code List Summary (Total Codes: 862, Included: 5)

Code Name

- CS Consolidator
- SF Ship From
- SO Sold To If Different From Bill To

Service Parts:

Direct Shipments to Special Address or Freight Forwarder, if the N1*SO was provided in the 850 PO, then it must be provided in the 856 long with the N1*ST, N3 & N4 reflecting the physical ship-to name and address.

- ST Ship To
- SU Supplier/Manufacturer

N102	93	Name	C	AN	1/35	Used
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Description: Free-form name.

N103	66	Identification Code Qualifier	C	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67).

Code List Summary (Total Codes: 169, Included: 1)

Code Name

- 92 Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	C	AN	2/20	Used
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Description: Code identifying a party or other code.

Trading Partner:

If N101 = "SU", N104 value should be 7 digit Supplier Code assigned by Navistar
If N101 = "ST", N104 value usually is Ship to Code for Navistar Plants, PDC's, or Packagers (For Navistar Location codes and addresses see Appendix of International Ship to Location codes).

Service Parts:

If N101 = "SO", N104 value is that of the Sold to Dealer.

* N105	706	Entity Relationship Code	O	ID	2/2	Not used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code describing entity relationship.				
* N106	98	Entity Identifier Code	O	ID	2/2	Not used
		Description: Code identifying an organizational entity, a physical location, or an individual				

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

N3 Address Information

Pos: 240	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/35	Must use
		Description: Address information				
		Service Parts: Refer to Examples III and IV				
N302	166	Address Information	O	AN	1/35	Used
		Description: Address information				
		Service Parts: Refer to Examples III and IV				

Truck:

This Segment is Not Used.

Engine:

This Segment is Not Used.

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

N4 Geographic Location

Pos: 250	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name.				
		Service Parts: Refer to Examples III and IV				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency.				
		Service Parts: Refer to Examples III and IV				
N403	116	Postal Code	O	ID	3/11	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States).				
		Service Parts: Refer to Examples III and IV				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country.				
		Service Parts: Refer to Examples III and IV				
* N405	309	Location Qualifier	C	ID	1/2	Not used
		Description: Code identifying type of location.				
* N406	310	Location Identifier	O	AN	1/30	Not used
		Description: Code which identifies a specific location.				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the USA or Canada.

Truck:

This Segment is Not Used.

Engine:

This Segment is Not Used.

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

REF Reference Numbers

Pos: 260	Max: 12
Detail - Optional	
Loop: N1	Elements: 3

User Option (Usage): Used

Purpose: Used at SHIPMENT level - To specify identifying numbers.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Number Qualifier	M	ID	2/2	Used
<p>Description: Code qualifying the Reference Number.</p> <p>Code List Summary (Total Codes: 1082, Included: 1)</p> <p>Code Name</p> <p>DK Dock Number</p>						
REF02	127	Reference Number	C	AN	1/30	Used
<p>Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.</p>						
* REF03	352	Description	C	AN	1/80	Not used
<p>Description: A free-form description to clarify the related data elements and their content.</p>						

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

This Segment is Not Used.

Service Parts:

This Segment is Not Used.

HL Hierarchical Level [Tare]

Pos: 360	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Used

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments. Service Parts: this loop is required to identify all high-level containers in a given shipment. i.e. if shipment consists of 3 pallets in one loose box, 4 tare loops are required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Used
Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.						
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.						
HL03	735	Hierarchical Level Code	M	ID	1/2	Used
Description: Code defining the characteristic of a level in a hierarchical structure.						
Code List Summary (Total Codes: 84, Included: 1)						
Code Name						
T Shipping Tare						
Trading Partner:						
Only used by Service Parts. Each Tare Loop must be followed by at least one Item Loop.						
* HL04	736	Hierarchical Child Code	O	ID	1/1	Not used
Description: Code indicating whether if there are hierarchical child data segments subordinate to the level being described.						

Comments:

- 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.
- 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.
- HL02 identifies the Hierarchical ID Number of the HL segment to which the current HL segment is subordinate.
- 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.

Truck:

This Segment is Not Used.

Engine:

This Segment is Not Used.

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

MEA Measurements

Pos: 430	Max: 40
Detail - Optional	
Loop: HL	Elements: 10

User Option (Usage): Used

Purpose: Used at the TARE level - To specify physical measurements or counts, including dimensions, tolerances, variances, and weights of the container in each Tare Loop. The Service Parts Organization expects MEA to be provided for ALL Direct Ship export shipments.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used
		Description: Code identifying the broad category to which a measurement applies				
MEA02	738	Measurement Qualifier	O	ID	1/3	Used
		Description: Code identifying a specific product or process characteristic to which a measurement applies				
		Code List Summary (Total Codes: 801, Included: 5)				
		<u>Code</u>	<u>Name</u>			
		G	Gross Weight			
		N	Actual Net Weight			
		HT	Height			
		LN	Length			
		WD	Width			
MEA03	739	Measurement Value	C	R	1/20	Used
		Description: The value of the measurement.				
MEA04	C001	Composite Unit of Measure	C	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use.)				
MEA04-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code List Summary (Total Codes: 726, Included: 4)				
		<u>Code</u>	<u>Name</u>			
		CM	Centimeter			
		IN	Inch			
		KG	Kilogram			
		LB	Pound			
* MEA04-02	1018	Exponent	O	R	1/15	Not used
		Description: Power to which a unit is raised.				
* MEA04-03	649	Multiplier	O	R	1/10	Not used
		Description: Value to be used as a multiplier to obtain a new value				
* MEA04-04	355	Unit or Basis for Measurement Code	O	ID	2/2	Not used
		Description: Code specifying the units in which				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		a value is being expressed, or manner in which a measurement has been taken				
* MEA04-05	1018	Exponent Description: Power to which a unit is raised.	O	R	1/15	Not used
* MEA04-06	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not used
* MEA04-07	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not used
* MEA04-08	1018	Exponent Description: Power to which a unit is raised.	O	R	1/15	Not used
* MEA04-09	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not used
* MEA04-10	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not used
* MEA04-11	1018	Exponent Description: Power to which a unit is raised.	O	R	1/15	Not used
* MEA04-12	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not used
* MEA04-13	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Not used
* MEA04-14	1018	Exponent Description: Power to which a unit is raised.	O	R	1/15	Not used
* MEA04-15	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not used
* MEA05	740	Range Minimum Description: The value specifying the minimum of the measurement range.	C	R	1/20	Not used
* MEA06	741	Range Maximum Description: The value specifying the maximum of the measurement range.	C	R	1/20	Not used
* MEA07	935	Measurement Significance Code Description: Code used to benchmark, qualify or further define a measurement value.	O	ID	2/2	Not used
* MEA08	936	Measurement Attribute Code	C	ID	2/2	Not used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code used to express an attribute response when a numeric measurement value cannot be determined.				
* MEA09	752	Surface/Layer/Position Code	O	ID	2/2	Not used
		Description: Code indicating the product surface, layer or position that is being described.				
* MEA10	1373	Measurement Method or Device	C	ID	2/4	Not used
		Description: The method or device used to record the measurement				

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Truck:

This Segment is Not Used.

Engine:

This Segment is Not Used.

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

REF Reference Numbers

Pos: 500	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: Used at the TARE Level - To specify identifying numbers of each high level container.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Number Qualifier	M	ID	2/2	Used
<p>Description: Code qualifying the Reference Number.</p> <p>Code List Summary (Total Codes: 1082, Included: 1)</p> <p>Code Name</p> <p>LS Bar-Coded Serial Number</p>						
REF02	127	Reference Number	C	AN	1/30	Used
<p>Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.</p> <p>Service Parts: A unique package ID number for each high-level container in the shipment is expected. The package ID - also known as bar-code serial number or container id, must be, at most, 11 positions with the last five being unique. This number must match the bar code shipping label attached to each container. Only one occurrence is allowed in each tare loop.</p> <p>FOR GLOBAL SHIPMENTS - do not provide any alpha characters.</p>						
* REF03	352	Description	C	AN	1/80	Not used
<p>Description: A free-form description to clarify the related data elements and their content.</p>						

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Truck:

This Segment is Not Used.

Engine:

This Segment is Not Used.

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

HL Hierarchical Level [Item]

Pos: 360	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Used
Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.						
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.						
HL03	735	Hierarchical Level Code	M	ID	1/2	Used
Description: Code defining the characteristic of a level in a hierarchical structure.						
Code List Summary (Total Codes: 84, Included: 1)						
Code Name						
I Item						
Service Parts:						
Item loop(s) must be preceeded by HL TARE Loop describing container. NOTE: There can be multiple items in any given container.						
* HL04	736	Hierarchical Child Code	O	ID	1/1	Not used
Description: Code indicating whether if there are hierarchical child data segments subordinate to the level being described.						

Comments:

- 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.
- 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.
- HL02 identifies the Hierarchical ID Number of the HL segment to which the current HL segment is subordinate.
- 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.
- HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

LIN Item Identification

Pos: 370	Max: 1
Detail - Optional	
Loop: HL	Elements: 31

User Option (Usage): Used

Purpose: Used at the ITEM Level - To specify basic item identification data.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
* LIN01	350	Assigned Identification	O	AN	1/11	Not used

Description: Alphanumeric characters assigned for differentiation within a transaction set.

LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Code List Summary (Total Codes: 342, Included: 7)

Code Name

BP Buyer's Part Number

Truck:

Truck Plants 016 & 044, Job level ASN only:
 The BP value entered in the LIN03 for plants 016 & 044 will be the Purchase Configured Item (PCI), not the part number. This is located in the 866 LIN015 with a C4 qualifier.
Example:
 LIN**BP*ST1-CTR-HARN-MV
 LIN**BP*ST1-TIREWHEEL

CH Country of Origin Code

Service Parts:

Cross Border Shipments must contain Country of Origin (CH) in same LIN as BP. We expect the 2 char code as defined in ISO 3166 Codes

EC Engineering Change Level

PU Part Reference Number

Truck:

Truck Plants 016 & 044, Job level ASN only:
 The PU value entered in the LIN05 for plants 016 & 044 will be the 9 digit Option ID. This is located in the 866 LIN07 with a PU qualifier.
Example:
 LIN**BP*ST1-CTR-HARN-MV*PU*10000032
 LIN**BP*ST1-TIREWHEEL*PU*10000045

RC Returnable Container No.

Service Parts:

Returnable Container Part (RC) is only acceptable in a separate LIN segment within its own HL Item Loop and HL02 must be 1.

RP Replaced Part Number

VP Vendor's (Seller's) Part Number

LIN03	234	Product/Service ID	M	AN	1/40	Used
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Description: Identifying number for a product or service.

LIN04	235	Product/Service ID Qualifier	C	ID	2/2	Used
-------	-----	------------------------------	---	----	-----	------

Description: Code identifying the type/source of the descriptive number used in Product/Service

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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ID (234).

Code List Summary (Total Codes: 342, Included: 7)

Code Name

BP Buyer's Part Number

Truck:

Plants 016 & 044:

The BP value entered in the LIN03 for plants 016 & 044 will be the Purchase Configured Item (PCI), not the part number. This is located in the 866 LIN015 with a C4 qualifier.

Example:

LIN**BP*ST1-CTR-HARN-MV

LIN**BP*ST1-TIREWHEEL

CH Country of Origin Code

Service Parts:

Cross Border Shipments must contain Country of Origin (CH) in same LIN as BP. We expect the 2 char code as defined in ISO 3166 Codes

EC Engineering Change Level

PU Part Reference Number

RC Returnable Container No.

Service Parts:

Returnable Container Part (RC) is only acceptable in a seperate LIN segment within its own HL Item Loop and HL02 must be 1.

RP Replaced Part Number

VP Vendor's (Seller's) Part Number

LIN05	234	Product/Service ID	C	AN	1/40	Used
-------	-----	---------------------------	---	----	------	------

Description: Identifying number for a product or service.

LIN06	235	Product/Service ID Qualifier	C	ID	2/2	Used
-------	-----	-------------------------------------	---	----	-----	------

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Code List Summary (Total Codes: 342, Included: 7)

Code Name

BP Buyer's Part Number

Truck:

Plants 016 & 044:

The BP value entered in the LIN03 for plants 016 & 044 will be the Purchase Configured Item (PCI), not the part number. This is located in the 866 LIN015 with a C4 qualifier.

Example:

LIN**BP*ST1-CTR-HARN-MV

LIN**BP*ST1-TIREWHEEL

CH Country of Origin Code

Service Parts:

Cross Border Shipments must contain Country of Origin (CH) in same LIN as BP. We expect the 2 char code as defined in ISO 3166 Codes

EC Engineering Change Level

PU Part Reference Number

RC Returnable Container No.

Service Parts:

Returnable Container Part (RC) is only acceptable in a seperate LIN segment within its own HL Item Loop and HL02

Code Name

must be 1.

- RP Replaced Part Number
- VP Vendor's (Seller's) Part Number

LIN07 234 **Product/Service ID** C AN 1/40 Used

Description: Identifying number for a product or service.

LIN08 235 **Product/Service ID Qualifier** C ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Code List Summary (Total Codes: 342, Included: 7)

Code Name

- BP Buyer's Part Number

Truck:

Plants 016 & 044:

The BP value entered in the LIN03 for plants 016 & 044 will be the Purchase Configured Item (PCI), not the part number. This is located in the 866 LIN015 with a C4 qualifier.

Example:

LIN**BP*ST1-CTR-HARN-MV
LIN**BP*ST1-TIREWHEEL

- CH Country of Origin Code

Service Parts:

Cross Border Shipments must contain Country of Origin (CH) in same LIN as BP. We expect the 2 char code as defined in ISO 3166 Codes

- EC Engineering Change Level
- PU Part Reference Number
- RC Returnable Container No.

Service Parts:

Returnable Container Part (RC) is only acceptable in a separate LIN segment within its own HL Item Loop and HL02 must be 1.

- RP Replaced Part Number
- VP Vendor's (Seller's) Part Number

LIN09 234 **Product/Service ID** C AN 1/40 Used

Description: Identifying number for a product or service.

LIN10 235 **Product/Service ID Qualifier** C ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Code List Summary (Total Codes: 342, Included: 7)

Code Name

- BP Buyer's Part Number

Truck:

Plants 016 & 044:

The BP value entered in the LIN03 for plants 016 & 044 will be the Purchase Configured Item (PCI), not the part number. This is located in the 866 LIN015 with a C4 qualifier.

Example:

LIN**BP*ST1-CTR-HARN-MV
LIN**BP*ST1-TIREWHEEL

Code Name

CH Country of Origin Code

Service Parts:

Cross Border Shipments must contain Country of Origin (CH) in same LIN as BP. We expect the 2 char code as defined in ISO 3166 Codes

EC Engineering Change Level

PU Part Reference Number

RC Returnable Container No.

Service Parts:

Returnable Container Part (RC) is only acceptable in a separate LIN segment within its own HL Item Loop and HL02 must be 1.

RP Replaced Part Number

VP Vendor's (Seller's) Part Number

LIN11	234	Product/Service ID	C	AN	1/40	Used
-------	-----	---------------------------	---	----	------	------

Description: Identifying number for a product or service.

LIN12	235	Product/Service ID Qualifier	C	ID	2/2	Used
-------	-----	-------------------------------------	---	----	-----	------

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Code List Summary (Total Codes: 342, Included: 7)

Code Name

BP Buyer's Part Number

Truck:

Plants 016 & 044:

The BP value entered in the LIN03 for plants 016 & 044 will be the Purchase Configured Item (PCI), not the part number. This is located in the 866 LIN015 with a C4 qualifier.

Example:

LINBP*ST1-CTR-HARN-MV
LIN**BP*ST1-TIREWHEEL**

CH Country of Origin Code

Service Parts:

Cross Border Shipments must contain Country of Origin (CH) in same LIN as BP. We expect the 2 char code as defined in ISO 3166 Codes

EC Engineering Change Level

PU Part Reference Number

RC Returnable Container No.

Service Parts:

Returnable Container Part (RC) is only acceptable in a separate LIN segment within its own HL Item Loop and HL02 must be 1.

RP Replaced Part Number

VP Vendor's (Seller's) Part Number

LIN13	234	Product/Service ID	C	AN	1/40	Used
-------	-----	---------------------------	---	----	------	------

Description: Identifying number for a product or service.

* LIN14	235	Product/Service ID Qualifier	C	ID	2/2	Not used
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Description: Code identifying the type/source of the descriptive number used in Product/Service

<u>Ref</u>	<u>Id</u>	<u>Element Name</u> ID (234).	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* LIN15	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used
* LIN16	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	C	ID	2/2	Not used
* LIN17	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used
* LIN18	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	C	ID	2/2	Not used
* LIN19	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used
* LIN20	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	C	ID	2/2	Not used
* LIN21	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used
* LIN22	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	C	ID	2/2	Not used
* LIN23	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used
* LIN24	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	C	ID	2/2	Not used
* LIN25	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used
* LIN26	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	C	ID	2/2	Not used
* LIN27	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* LIN28	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	C	ID	2/2	Not used
* LIN29	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used
* LIN30	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).	C	ID	2/2	Not used
* LIN31	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/40	Not used

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of ID's.
2. LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

SN1 Item Detail (Shipment)

Pos: 380	Max: 1
Detail - Optional	
Loop: HL	Elements: 8

User Option (Usage): Used

Purpose: Used at the ITEM Level - To specify line item detail relative to shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* SN101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/11	Not used
SN102	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.	M	R	1/10	Used
SN103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Trading Partner: Suppliers are expected to return the same unit of measure as they received in their shipment authorizations. All valid X12 codes are used. (Total Codes: 726)	M	ID	2/2	Used
* SN104	646	Quantity Shipped to Date Description: Number of units shipped to date.	O	R	1/9	Not used
* SN105	330	Quantity Ordered Description: Quantity ordered.	C	R	1/9	Not used
* SN106	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Not used
* SN107	728	Returnable Container Load Make-Up Code Description: Code identifying the load make-up of the returnable containers in the shipment.	O	ID	1/2	Not used
* SN108	668	Line Item Status Code Description: Code specifying the action taken by the seller on a line item requested by the buyer.	O	ID	2/2	Not used

Semantics:

1. SN101 is the ship notice line item identification.

Comments:

1. SN103 defines the unit of measurement for SN102.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

PRF Purchase Order Reference

Pos: 400	Max: 1
Detail - Optional	
Loop: HL	Elements: 7

User Option (Usage): Used

Purpose: Used at the ITEM Level - To provide reference to a specific purchase order

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	Purchase Order Number	M	AN	1/22	Used
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser.				
		Trading Partner: Purchase Order Number in LIN Loop overrides Purchase Order Number in Shipment Loop.				
* PRF02	328	Release Number	O	AN	1/30	Not used
		Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.				
* PRF03	327	Change Order Sequence Number	O	AN	1/8	Not used
		Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set.				
PRF04	373	Date	O	DT	6/6	Used
		Description: Date (YYMMDD).				
* PRF05	350	Assigned Identification	O	AN	1/11	Not used
		Description: Alphanumeric characters assigned for differentiation within a transaction set.				
* PRF06	367	Contract Number	O	AN	1/30	Not used
		Description: Contract number.				
* PRF07	92	Purchase Order Type Code	O	ID	2/2	Not used
		Description: Code specifying the type of Purchase Order.				

Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

Comments:

1. Note: Purchase Order Number at the ITEM Level overrides the Purchase Order Number in the SHIPMENT Level

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

This Segment is Not Used.

Service Parts:

Refer to the "Appendix" at the end of this guide for Example(s)

TD4 Carrier Details (Special Handling or Hazardous Materials or Both)

Pos: 490	Max: 5
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Used

Purpose: To specify transportation special handling requirements or hazardous materials information or both

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* TD401	152	Special Handling Code	C	ID	2/3	Used
		Description: Code specifying special transportation handling instructions.				
* TD402	208	Hazardous Material Code Qualifier	C	ID	1/1	Used
		Description: Code which qualifies the Hazardous Material Class Code (209).				
* TD403	209	Hazardous Material Class Code	C	AN	2/4	Used
		Description: Code specifying the kind of hazard for a material.				
* TD404	352	Description	C	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content.				

Syntax Rules:

1. R010204 - At least one of TD401, TD402 or TD404 is required.
2. C0203 - If TD402 is present, then TD403 is required.

REF Reference Numbers

Pos: 500	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: Used at the ITEM Level - To specify identifying numbers.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Number Qualifier	M	ID	2/2	Used
<p>Description: Code qualifying the Reference Number.</p> <p>Code List Summary (Total Codes: 1082, Included: 3)</p> <p>Code Name</p> <p>JS Job Sequence Number</p> <p>Truck:</p> <p>Plants 016 & 044: The JS value entered in the REF02 for plants 016 & 044 will be the Assembly Order Number (AOR) not the job number. This is located in the 866 LIN05 with a RS qualifier. Example: REF*JS*AOR197123 REF*JS*AOR197131</p> <p>LF Assembly Line Feed Location</p> <p>SE Serial Number</p>						
REF02	127	Reference Number	C	AN	1/30	Used
<p>Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.</p>						
* REF03	352	Description	C	AN	1/80	Not used
<p>Description: A free-form description to clarify the related data elements and their content.</p>						

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Truck:

Refer to the "Appendix" at the end of this guide for Example(s)

Engine:

This Segment is Not Used.

Service Parts:

This Segment is Not Used.

CLD Load Detail

Pos: 620	Max: 1
Detail - Optional	
Loop: CLD	Elements: 5

User Option (Usage): Used

Purpose: Used at the ITEM Level - To specify the number of material loads shipped.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
CLD01	622	Number of Loads Description: Number of customer-defined loads shipped by the supplier.	M	N0	1/5	Used						
CLD02	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.	M	R	1/10	Used						
CLD03	103	Packaging Code Description: Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.	O	AN	3/5	Used						
CLD04	357	Size Description: Size of supplier units in pack.	O	R	1/8	Used						
CLD05	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code List Summary (Total Codes: 726, Included: 2) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EA</td> <td>Each</td> </tr> <tr> <td>PC</td> <td>Piece</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EA	Each	PC	Piece	O	ID	2/2	Used
<u>Code</u>	<u>Name</u>											
EA	Each											
PC	Piece											

Semantics:

1. CLD05, "Unit of Measure Code," is used to dimension the value given in CLD04, "Size."

Comments:

1. The CLD data segment may be used to provide information to aid in the preparation of move tags and/or bar coded labels.

Truck:

This Segment is Not Used.

Engine:

Refer to the "Appendix" at the end of this guide for Example(s)

Service Parts:

This Segment is Not Used.

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Used
		Description: Total number of line items in the transaction set.				
CTT02	347	Hash Total	O	R	1/10	Used
		Description: Sum of values of the specified data element. All values in the data element 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. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.				
* CTT03	81	Weight	C	R	1/10	Not used
		Description: Numeric value of weight.				
* CTT04	355	Unit or Basis for Measurement Code	C	ID	2/2	Not used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* CTT05	183	Volume	C	R	1/8	Not used
		Description: Value of volumetric measure.				
* CTT06	355	Unit or Basis for Measurement Code	C	ID	2/2	Not used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* CTT07	352	Description	O	AN	1/80	Not used
		Description: A free-form description to clarify the related data elements and their content.				

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

Trading Partner:

This segment is used in all Navistar 856 transactions.

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Used

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).

Element Summary:

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

Comments:

- SE is the last segment of each transaction set.

Trading Partner:

This segment is used in all Navistar 856 transactions.

INTERNATIONAL[®]

International Motors, LLC

856 APPENDIXES of EXAMPLES

October 15, 2024

NOTE: This document is to be used in conjunction with the International Motors, LLC. 856 Implementation Guideline to illustrate examples and functional definition of this transaction set.

Truck 856 Example I: Advanced Ship Notice –Simple Parts

1. ST*856*0001_{N/L}
2. BSN*00*123456*120320*1054_{N/L}
3. DTM*011*120320*1054*ES*19_{N/L}
4. HL*1**S_{N/L}
5. PRF*10495***120211_{N/L}
6. MEA*PD*G*1000*LB_{N/L}
7. MEA*PD*N*800*LB_{N/L}
8. TD1*RCK58*4***BRAKES_{N/L}
9. TD1*RCK58*2***AXLES_{N/L}
10. TD1*CTN71*1***BRAKE PADS_{N/L}
11. TD5*B*2*YFSY*M* YELLOW_{N/L}
12. TD3*TL**14550_{N/L}
13. REF*CN*97314_{N/L}
14. REF*BM*675843_{N/L}
15. REF*FR*44775589_{N/L}
16. REF*PK*4352_{N/L}
17. REF*SI*66554421_{N/L}
18. FOB*PP_{N/L}
19. N1*SU*DANA*92*26625X1_{N/L}
20. N1*ST**92*062_{N/L}
21. HL*2*1*I_{N/L}
22. LIN**BP*597203C1_{N/L}
23. SN1**2*PC_{N/L}
24. HL*3*1*I_{N/L}
25. LIN**BP*598048C3_{N/L}
26. SN1**3*PC_{N/L}
27. HL*4*1*I_{N/L}
28. LIN**BP*598309C92_{N/L}
29. SN1**3*PC_{N/L}
30. PRF*12345678901***120210_{N/L}
31. HL*5*1*I_{N/L}
32. LIN**RC*888888C88_{N/L}
33. SN1**2*PC_{N/L}
34. HL*6*1*I_{N/L}
35. LIN**RC*777777C77_{N/L}
36. SN1**1*PC_{N/L}
37. HL*7*1*I_{N/L}
38. LIN**RP*598185C92_{N/L}
39. SN1**1*PC_{N/L}
40. PRF*22345778901***120212_{N/L}
41. HL*8*1*I_{N/L}
42. LIN**BP*598304C92_{N/L}
43. SN1**332*PC_{N/L}
44. PRF*12345678901***120210_{N/L}
45. CTT*8*344_{N/L}
46. SE*46*0001_{N/L}

Truck 856 Example I: Advanced Ship Notice –Simple Parts**EDI DATA ELEMENT**ST*856*0001_{N/L}BSN*00*123456*120320*1054_{N/L}DTM*011*120320*1054*ES*19_{N/L}HL*1**S_{N/L}PRF*10495***120211_{N/L}MEA*PD*G*1000*LB_{N/L}MEA*PD*N*800*LB_{N/L}TD1*RCK58*4***BRAKES_{N/L}TD1*RCK58*2***AXLES_{N/L}TD1*CTN71*1***BRAKE PADS_{N/L}TD5*B*2*YFSY*M* YELLOW_{N/L}TD3*TL**14550_{N/L}REF*CN*97314_{N/L}REF*BM*675843_{N/L}REF*FR*44775589_{N/L}REF*PK*4352_{N/L}REF*SI*66554421_{N/L}FOB*PP_{N/L}N1*SU*DANA*92*26625X1_{N/L}N1*ST**92*062_{N/L}HL*2*1*I_{N/L}LIN**BP*597203C1_{N/L}SN1**2*PC_{N/L}HL*3*1*I_{N/L}LIN**BP*598048C3_{N/L}SN1**3*PC_{N/L}HL*4*1*I_{N/L}LIN**BP*598309C92_{N/L}SN1**3*PC_{N/L}**INTERPRETATION**

ANSI transaction set 856 Transaction ID 0001

Original Document, Unique Shipment Identification Number 123456, Creation Date was 3/20/12, Creation Time was 10:54

Indicates date, time, Time Zone and Century related to the shipment.

Hierarchical Level 1 which identifies "SHIPMENT"

Identifies Purchase Order Number and Date Issued.

Gross Weight of Shipment.

Net Weight of Shipment.

Identifies what is being shipped.

Identifies what is being shipped.

Identifies what is being shipped.

Carrier SCAC Code and Carrier Name.

Trailer Number Containing Shipment.

Carrier Pro Number for this Shipment.

Bill of Lading Number for this Shipment.

Freight Bill Number for this Shipment.

Pack List Number for this Shipment.

SID Number for this Shipment.

FOB Instructions: Prepaid

Supplier Name and NAVISTAR Assigned Supplier Code.

Ship to Location.

Hierarchical Level is 2; Parent is 1 Item Level. (1st. Part Number)

Identifies the NAVISTAR Part Number.

Quantity of Item Shipped.

Hierarchical Level is 3; Parent is 1 Item Level. (2nd. Part Number)

Identifies the NAVISTAR Part Number.

Quantity of Item Shipped.

Hierarchical Level is 4; Parent is 1 Item Level (3rd. Part Number).

Identifies the NAVISTAR Part Number being Shipped.

Quantity of Item Shipped.

Truck 856 Example I: Advanced Ship Notice –Simple Parts (Continued)**EDI DATA ELEMENT**PRF*12345678901***120210_{NL}HL*5*1*I_{NL}LIN**RC*888888C88_{NL}SN1**2*PC_{NL}HL*6*1*I_{NL}LIN**RC*777777C77_{NL}SN1**1*PC_{NL}HL*7*1*I_{NL}LIN**RP*598185C92_{NL}SN1**1*PC_{NL}PRF*22345778901***120212_{NL}HL*8*1*I_{NL}LIN**BP*598304C92_{NL}SN1**332*PC_{NL}PRF*12345678901***120210_{NL}CTT*8*344_{NL}SE*46*0001_{NL}**INTERPRETATION**

Purchase Order Number and Date Issued. Used Only if Different than P.O. Identified at Shipment Level.

Hierarchical Level is 5; Parent is 1, Item Level. (4th. Part Number)

Part Number of Returnable Container(s).

Quantity of Item Shipped, In this case, Returnable Containers

Hierarchical Level is 6; Parent is 1, Item Level. (5th. Part Number)

Part Number of Returnable Container(s).

Quantity of Item Shipped, In this case, Returnable Containers

Hierarchical Level is 7; Parent is 1 Item Level (6th. Part Number).

Identifies the NAVISTAR Repair/Replacement Part Number being Shipped.

Quantity of Item Shipped.

Purchase Order Number and Date Issued. Required for Billable Repair/Replacement Parts

Hierarchical Level is 8; Parent is 1 Item Level (7th Part Number).

Identifies the NAVISTAR Part Number being Shipped.

Quantity of Item Shipped.

Purchase Order Number and Date Issued. Used Only if Different than P.O. Identified at Shipment Level.

Number of HL Segments in this Shipment Including Returnable Containers and Total Number of Pieces Shipped.

Number of Included Segments.

Truck 856 Example II: Advanced Ship Notice for Simple Sequence and Bulk Parts

1. ST*856*0001 N/L
2. BSN*00*123456*120320*1054 N/L
3. DTM*011*120320*1054*ES*19 N/L
4. HL*1**S N/L
5. PRF*06221166088***120211 N/L
6. MEA*PD*G*1000*LB N/L
7. MEA*PD*N*800*LB N/L
8. TD1*RCK58*4***BRAKES N/L
9. TD1*PLT71*2***AXLES N/L
10. TD1*CTN71*1***BRAKE PADS N/L
11. TD5*B*2*YFSY*M* YELLOW N/L
12. TD3*TL**14550 N/L
13. REF*CN*97314 N/L
14. REF*BM*675843 N/L
15. REF*FR*44775589 N/L
16. REF*PK*4352 N/L
17. REF*SI*66554421 N/L
18. REF*JA*A10401 N/L
19. REF*JE*A1052 N/L
20. FOB*PP N/L
21. N1*SU*DANA*92*2662560 N/L
22. N1*ST**92*002ASM N/L
23. REF*DK*1234 N/L
24. HL*2*1*I N/L
25. LIN**BP*597203C1*VP* J37100 N/L
26. SN1**2*PC N/L
27. REF*JS*123456 N/L
28. REF*LF*1 N/L
29. REF*JS*123457 N/L
30. REF*LF*2 N/L
31. HL*3*1*I N/L
32. LIN**BP*598048C3 N/L
33. SN1**3*PC N/L
34. REF*JS*123456 N/L
35. REF*LF*1 N/L
36. REF*JS*123456 N/L
37. REF*LF*1 N/L
38. REF*JS*123457 N/L
39. REF*LF*2 N/L
40. HL*4*1*I N/L
41. LIN**BP*598309C92 N/L
42. SN1**3*PC N/L
43. PRF*12345678901***120210 N/L
44. REF*JS*123456 N/L
45. REF*LF*1 N/L
46. REF*JS*123457 N/L
47. REF*LF*2 N/L
48. REF*JS*123458 N/L
49. REF*LF*2 N/L
50. HL*5*1*I N/L
51. LIN**RC*888888C88 N/L
52. SN1**2*PC N/L
53. HL*6*1*I N/L
54. LIN**RC*777777C77 N/L

Truck 856 Example II: Advanced Ship Notice for Simple Sequence and Bulk Parts (Continued)

55. SN1**1*PC_{N/L}
56. HL*7*1*I_{N/L}
57. LIN**RP*598185C92_{N/L}
58. SN1**1*PC_{N/L}
59. PRF*22345778901***120212_{N/L}
60. HL*8*1*I_{N/L}
61. LIN**BP*598304C92_{N/L}
62. SN1**332*PC_{N/L}
63. PRF*12345678901***120210_{N/L}
64. REF*LF*2_{N/L}
65. CTT*8*344_{N/L}
66. SE*66*0001_{N/L}

Truck 856 Example II: Advanced Ship Notice for Simple Sequence and Bulk Parts

EDI DATA ELEMENT

ST*856*0001_{NL}
 BSN*00*345678*120320*1054_{NL}
 DTM*011*120320*1054*ES*19_{NL}
 HL*1**S_{NL}
 PRF*06221166088***120211_{NL}
 MEA*PD*G*1000*LB_{NL}
 MEA*PD*N*800*LB_{NL}
 TD1*RCK58*4***BRAKES_{NL}
 TD1*RCK58*2***AXLES_{NL}
 TD1*CTN71*1***BRAKE PADS_{NL}
 TD5*B*2*YFSY*M* YELLOW_{NL}
 TD3*TL**14550_{NL}
 REF*CN*97314_{NL}
 REF*BM*675843_{NL}
 REF*FR*44775589_{NL}
 REF*PK*4352_{NL}
 REF*SI*66554421_{NL}
 REF*JA*A1040_{NL}
 REF*JE*A1052_{NL}
 FOB*PP_{NL}
 N1*SU*TESTSUP*92*56789X2_{NL}
 N1*ST**92*062_{NL}
 REF*DK*1234_{NL}
 HL*2*1*I_{NL}
 LIN**BP*597203C1_{NL}
 SN1**2*PC_{NL}
 REF*JS*123456_{NL}
 REF*LF*1_{NL}
 REF*JS*123457_{NL}
 REF*LF*2_{NL}
 HL*3*1*I_{NL}
 LIN**BP*598048C3_{NL}

INTERPRETATION

ANSI transaction set 856 Transaction ID 0001
 Original Document, Unique Shipment Identification Number 345678, Creation Date was 3/20/12, Creation Time was 10:54
 Indicates date, time, Time Zone and Century related to the shipment.
 Hierarchical Level 1 which identifies "SHIPMENT"
 Identifies Purchase Order Number and Date Issued.
 Gross Weight of Shipment.
 Net Weight of Shipment.
 Identifies what is being shipped.
 Identifies what is being shipped.
 Identifies what is being shipped.
 Carrier SCAC Code and Carrier Name.
 Trailer Number Containing Shipment.
 Carrier Pro Number for this Shipment.
 Bill of Lading Number for this Shipment.
 Freight Bill Number for this Shipment.
 Pack List Number for this Shipment.
 SID Number for this Shipment.
 Beginning Line Sequence Number on Shipment
 Ending Line Sequence Number on Shipment.
 FOB Instructions: Prepaid
 Supplier Name and NAVISTAR Assigned Supplier Code.
 Ship to Location.
 Identifies NAVISTAR Delivery Dock as 1234
 Hierarchical Level is 2; Parent is 1 Item Level. (1st. Part Number)
 Identifies the NAVISTAR and Supplier Part Number.
 Quantity of Item Shipped.
 Job Number of Part is 123456
 Assembly Line Sequence Number for the Specific Job
 Job Number of Part is 123457
 Assembly Line Sequence Number for the Specific Job
 Hierarchical Level is 3; Parent is 1 Item Level. (2nd. Part Number)
 Identifies the NAVISTAR Part Number.

Truck 856 Example II: Advanced Ship Notice for Simple Sequence and Bulk Parts (Continued)

EDI DATA ELEMENT

SN1**3*PC_{N/L}REF*JS*123459_{N/L}REF*LF*1_{N/L}REF*JS*123459_{N/L}REF*LF*1_{N/L}REF*JS*123460_{N/L}REF*LF*2_{N/L}HL*4*1*I_{N/L}LIN**BP*598309C92_{N/L}SN1**3*PC_{N/L}PRF*12345678901***120210_{N/L}REF*JS*123411_{N/L}REF*LF*1_{N/L}REF*JS*123412_{N/L}REF*LF*2_{N/L}REF*JS*123458_{N/L}REF*LF*2_{N/L}HL*5*1*I_{N/L}LIN**RC*888888C88_{N/L}SN1**2*PC_{N/L}HL*6*1*I_{N/L}LIN**RC*777777C77_{N/L}SN1**1*PC_{N/L}HL*7*1*I_{N/L}LIN**RP*598185C92_{N/L}SN1**1*PC_{N/L}PRF*22345778901***120212_{N/L}HL*8*1*I_{N/L}LIN**BP*598304C92_{N/L}SN1**332*PC_{N/L}PRF*12345678901***120210_{N/L}

INTERPRETATION

Quantity of Item Shipped.

Job Number of Part is 123459

Assembly Line Sequence Number for the Specific Job

Job Number of Part is 123459

Assembly Line Sequence Number for the Specific Job

Job Number of Part is 123460

Assembly Line Sequence Number for the Specific Job

Hierarchical Level is 4; Parent is 1 Item Level (3rd. Part Number).

Identifies the NAVISTAR Part Number being Shipped.

Quantity of Item Shipped.

Purchase Order Number and Date Issued. Used Only if Different than P.O. Identified at Shipment Level (Header).

Job Number of Part is 123411

Assembly Line Sequence Number for the Specific Job

Job Number of Part is 123412

Assembly Line Sequence Number for the Specific Job

Job Number of Part is 123458

Assembly Line Sequence Number for the Specific Job

Hierarchical Level is 5; Parent is 1, Item Level. (4th. Part Number)

Part Number of Returnable Container(s).

Quantity of Item Shipped, In this case, Returnable Containers

Hierarchical Level is 5; Parent is 1, Item Level. (4th. Part Number)

Part Number of Returnable Container(s).

Quantity of Item Shipped, In this case, Returnable Containers

Hierarchical Level is 6, Parent is 1 Item Level (5th. Part Number).

Identifies the NAVISTAR Repair/Replacement Part Number being Shipped.

Quantity of Item Shipped.

Purchase Order Number and Date Issued. Required for Billable Repair/Replacement PartsHierarchical Level is 8, Parent is 1 Item Level (3rd. Part Number).

Identifies the NAVISTAR Part Number being Shipped.

Quantity of Item Shipped.

Purchase Order Number and Date Issued. Used Only if Different than P.O. Identified at Shipment Level.

Truck 856 Example II: Advanced Ship Notice for Simple Sequence and Bulk Parts (Continued)**EDI DATA ELEMENT**REF*LF*2_{NL}CTT*8*344_{NL}SE*66*0001_{NL}**INTERPRETATION**

Assembly Line Sequence Number for the Specific Job

Number of HL Segments in this Shipment Including Returnable Containers and Total Number of Pieces Shipped.

Number of Included Segments.

Truck 856 Example III: Advanced Ship Notice for ABR Sequenced Parts

1. ST*856*0001_{N/L}
 2. BSN*00*123456*120320*1054_{N/L}
 3. DTM*011*120320*1054*ES*19_{N/L}
 4. HL*1**S_{N/L}
 5. PRF*00221166088***120211_{N/L}
 6. MEA*PD*G*1000*LB_{N/L}
 7. MEA*PD*N*800*LB_{N/L}
 8. TD1*RCK58*2***BRAKES_{N/L}
 9. TD5*B*2*YFSY*M* YELLOW_{N/L}
 10. TD3*TL**14550_{N/L}
 11. REF*CN*97314_{N/L}
 12. REF*BM*675843_{N/L}
 13. REF*FR*44775589_{N/L}
 14. REF*PK*4352_{N/L}
 15. REF*SI*66554421_{N/L}
 16. REF*JA*5676_{N/L}
 17. REF*JE*5677_{N/L}
 18. FOB*PP_{N/L}
 19. N1*SU*SUPNAME*92*12345X1_{N/L}
 20. N1*ST**92*002ASM_{N/L}
 21. REF*DK*K999_{N/L}
 22. HL*2*1*I_{N/L}
 23. LIN**PU*6DBB1D86_{N/L}
 24. SN1**1*PC_{N/L}
 25. REF*LF*1_{N/L}
 26. REF*JS*608566_{N/L}
 27. HL*3*1*I_{N/L}
 28. LIN**PU*8BC20C86_{N/L}
 29. SN1**1*PC_{N/L}
 30. REF*LF*1_{N/L}
 31. REF*JS*608569_{N/L}
 32. HL*4*1*I_{N/L}
 33. LIN**PU*2FF21A2C_{N/L}
 34. SN1**2*PC_{N/L}
 35. REF*JS*608541_{N/L}
 36. REF*JS*608542_{N/L}
 37. REF*LF*2_{N/L}
 38. HL*5*1*I_{N/L}
 39. LIN**RC*888888C88_{N/L}
 40. SN1**2*PC_{N/L}
 41. CTT*5*6_{N/L}
 42. SE*42*0001_{N/L}

Truck 856 Example III: Advanced Ship Notice for ABR Sequenced Parts

EDI DATA ELEMENT

ST*856*0001_{N/L}
 BSN*00*123456*120320*1054_{N/L}
 DTM*011*120320*1054*ES*19_{N/L}
 HL*1**S_{N/L}
 PRF*00221166088***120211_{N/L}
 MEA*PD*G*1000*LB_{N/L}
 MEA*PD*N*800*LB_{N/L}
 TD1*RCK58*2***BRAKES_{N/L}
 TD5*B*2*YFSY*M*YELLOW_{N/L}
 TD3*TL**14550_{N/L}
 REF*CN*97314_{N/L}
 REF*BM*675843_{N/L}
 REF*FR*44775589_{N/L}
 REF*PK*4352_{N/L}
 REF*SI*66554421_{N/L}
 REF*JA*5676_{N/L}
 REF*JE*5677_{N/L}
 FOB*PP_{N/L}
 N1*SU*SUPNAME*92*12345X1_{N/L}
 N1*ST**92*002ASM_{N/L}
 REF*DK*K999_{N/L}
 HL*2*1*I_{N/L}
 LIN**PU*6DBB1D86_{N/L}
 SN1**1*PC_{N/L}
 REF*LF*1_{N/L}
 REF*JS*608566_{N/L}
 HL*3*1*I_{N/L}
 LIN**PU*8BC20C86_{N/L}
 SN1**1*PC_{N/L}
 REF*LF*1_{N/L}
 REF*JS*608569_{N/L}

INTERPRETATION

ANSI transaction set 856 Transaction ID 0001
 Original Document, Unique Shipment Identification Number 123456, Creation Date was 3/20/12, Creation Time was 10:54
 Indicates date, time, Time Zone and Century related to the shipment.
 Hierarchical Level 1 which identifies "SHIPMENT"
 Identifies Purchase Order Number and Date Issued.
 Gross Weight of Shipment.
 Net Weight of Shipment.
 Identifies what is being shipped.
 Carrier SCAC Code and Carrier Name.
 Trailer Number Containing Shipment.
 Carrier Pro Number for this Shipment.
 Bill of Lading Number for this Shipment.
 Freight Bill Number for this Shipment.
 Pack List Number for this Shipment.
 SID Number for this Shipment.
 Beginning Line Sequence Number on Shipment
 Ending Line Sequence Number on Shipment.
 FOB Instructions: Prepaid
 Supplier Name and NAVISTAR Assigned Supplier Code.
 Ship to Location.
 Identifies NAVISTAR Delivery Dock as K999
 Hierarchical Level is 2; Parent is 1 Item Level. (1st. Part Number)
 Identifies the NAVISTAR Module Reference Number being shipped.
 Quantity of Item Shipped.
 Assembly Line Number for the Specific Job
 Job Number of Part is 608566
 Hierarchical Level is 3; Parent is 1 Item Level. (2nd. Part Number)
 Identifies the NAVISTAR Module Reference Number being shipped.
 Quantity of Item Shipped.
 Assembly Line Number for the Specific Job
 Job Number of Part is 608569

**Truck 856 Example III: Advanced Ship Notice for ABR Sequenced Parts
(Continued)**

EDI DATA ELEMENT

HL*4*1*I_{N/L}

LIN**PU*2FF21A2C_{N/L}

SN1**2*PC_{N/L}

REF*JS*608541_{N/L}

REF*JS*608542_{N/L}

REF*LF*2_{N/L}

HL*5*1*I_{N/L}

LIN**RC*888888C88_{N/L}

SN1**2*PC_{N/L}

CTT*5*6_{N/L}

SE*42*0001_{N/L}

INTERPRETATION

Hierarchical Level is 4; Parent is 1 Item Level (3rd. Part Number).

Identifies the NAVISTAR Module Reference Number being shipped.

Quantity of Item Shipped.

Job Number of Part is 608541

Job Number of Part is 608542

Assembly Line Number for the Specific Job

Hierarchical Level is 5, Parent is 1, Item Level. (4th. Part Number)

Part Number of Returnable Container(s).

Quantity of Item Shipped, In this case, Returnable Containers

Number of HL Segments in this Shipment Including Returnable Containers and Total Number of Pieces Shipped.

Number of Included Segments.

Truck 856 Example IV: Advanced Ship Notice for Kit or Module

1. ST*856*0001_{N/L}
 2. BSN*00*123456*120320*1054_{N/L}
 3. DTM*011*120320*1054*ES*19_{N/L}
 4. HL*1**S_{N/L}
 5. PRF*00221166088***120211_{N/L}
 6. MEA*PD*G*1000*LB_{N/L}
 7. MEA*PD*N*800*LB_{N/L}
 8. TD1*RCK58*1***BRAKES_{N/L}
 9. TD5*B*2*YFSY*M* YELLOW_{N/L}
 10. TD3*TL**14550_{N/L}
 11. REF*CN*97314_{N/L}
 12. REF*BM*675843_{N/L}
 13. REF*FR*44775589_{N/L}
 14. REF*PK*4352_{N/L}
 15. REF*SI*66554421_{N/L}
 16. REF*JA*5101_{N/L}
 17. REF*JE*5101_{N/L}
 18. FOB*PP_{N/L}
 19. N1*SU*SUPNAME*92*12345X1_{N/L}
 20. N1*ST**92*002ASM_{N/L}
 21. REF*DK*K999_{N/L}
 22. HL*2*1*I_{N/L}
 23. LIN**PU*914C7753_{N/L}
 24. SN1**1*PC_{N/L}
 25. REF*LF*1_{N/L}
 26. REF*JS*508665_{N/L}
 27. HL*3*1*I_{N/L}
 28. LIN**RC*888888C88_{N/L}
 29. SN1**1*PC_{N/L}
 30. CTT*3*2_{N/L}
 31. SE*31*0001_{N/L}

Truck 856 Example IV: Advanced Ship Notice for Kit or Module

EDI DATA ELEMENT

ST*856*0001_{N/L}BSN*00*123456*120320*1054_{N/L}DTM*011*120320*1054*ES*19_{N/L}HL*1**S_{N/L}PRF*00221166088***120211_{N/L}MEA*PD*G*1000*LB_{N/L}MEA*PD*N*800*LB_{N/L}TD1*RCK58*1***BRAKES_{N/L}TD5*B*2*YFSY*M*YELLOW_{N/L}TD3*TL**14550_{N/L}REF*CN*97314_{N/L}REF*BM*675843_{N/L}REF*FR*44775589_{N/L}REF*PK*4352_{N/L}REF*SI*66554421_{N/L}REF*JA*5101_{N/L}REF*JE*5101_{N/L}FOB*PP_{N/L}N1*SU*SUPNAME*92*12345X1_{N/L}N1*ST**92*002ASM_{N/L}REF*DK*K999_{N/L}HL*2*1*I_{N/L}LIN**PU*914C7753_{N/L}SN1**1*PC_{N/L}REF*LF*1_{N/L}REF*JS*508665_{N/L}HL*3*1*I_{N/L}LIN**RC*888888C88_{N/L}SN1**1*PC_{N/L}CTT*3*2_{N/L}SE*31*0001_{N/L}

INTERPRETATION

ANSI transaction set 856 Transaction ID 0001

Original Document, Unique Shipment Identification Number 123456, Creation Date was 3/20/12, Creation Time was 10:54

Indicates date, time, Time Zone and Century related to the shipment.

Hierarchical Level 1 which identifies "SHIPMENT"

Identifies Purchase Order Number and Date Issued.

Gross Weight of Shipment.

Net Weight of Shipment.

Identifies what is being shipped.

Carrier SCAC Code and Carrier Name.

Trailer Number Containing Shipment.

Carrier Pro Number for this Shipment.

Bill of Lading Number for this Shipment.

Freight Bill Number for this Shipment.

Pack List Number for this Shipment.

SID Number for this Shipment.

Beginning Line Sequence Number on Shipment

Ending Line Sequence Number on Shipment.

FOB Instructions: Prepaid

Supplier Name and NAVISTAR Assigned Supplier Code.

Ship to Location.

Identifies NAVISTAR Delivery Dock as K999

Hierarchical Level is 2; Parent is 1 Item Level. (1st. Part Number)

Identifies the NAVISTAR Module Reference Number being shipped.

Quantity of Item Shipped.

Assembly Line Number for the Specific Job

Job Number of Part is 508665

Hierarchical Level is 3; Parent is 1 Item Level. (1st. Part Number)

Part Number of Returnable Container(s).

Quantity of Item Shipped, In this case, Returnable Containers

Number of HL Segments in this Shipment Including Returnable Containers and Total Number of Pieces Shipped.

Number of Included Segments.

Truck 856 Example V: Advanced Ship Notice for Kit or Module (plant 016 & 044)

EDI DATA ELEMENT

ST*856*1234567
 BSN*00*15856*220107*0325

 DTM*011*220107*0325**20

 HL*1**S
 MEA*PD*G*9653*LB
 TD1*RCK58*7
 TD5*B*2*DOEP*M*DEXO
 TRANSPORTACIONES
 TD3*TL**123456
 REF*CN*ABC12345
 REF*BM*ABC12345
 REF*JA*AOR196513

 REF*JE*AOR197127

 FOB*CC
 N1*SU*MAHLE BEHR MEXICO*92*52487X1

 N1*ST*NAVISTAR MEXICO S. DE R.L. DE
 C.V.*92*STXM01
 HL*2*1*I
 LIN**BP*ST1-TIREWHEEL*PU* 100000032

 SN1**1*PC
 REF*JS*AOR196513

 HL*3*1*I
 LIN**BP*ST1-TIREWHEEL*PU*100000032

 SN1**1*PC

 REF*JS*AOR197123

 HL*4*1*I
 LIN**BP*ST1-TIREWHEEL*PU*100000033

 SN1**1*PC

 REF*JS*AOR197127

INTERPRETATION

Shipment Notification from Suppliers to Customers.

Identifies the original document, Shipment Identification number, date and time created.

Indicates date, time, Time Zone and Century related to the shipment.

Initial HL Segment for the Shipment Level.

Gross Weight of Shipment is 9653 Pounds.

Load is One of Racks

Origin/Delivery Carrier, SCAC Code is DCEP, DEXO

Transportaciones.

Trailer Number is 123456

Pro Number is ABC12345

BOL Number is ABC12345

The First Line Sequence Number on the shipment is AOR196513 (cross reference EDI 866 Qualifier = RS)

The Last Line Sequence Number on the shipment is AOR197127

FOB is Collect

Supplier is MAHLE; Navistar Assigned Supplier Code is 52487X1.

Ship to Location is STXM01 (Plant 044)

Second HL Segment, Parent is 1 Item Level.

PCI is ST1-TIREWHEEL

MRN is 100000032

Net Quantity Shipped is 1 Piece.

This Part is for Job Number AOR196513 as indicated on the EDI-866 Document (cross-reference = JN)

Second HL Segment, Parent is 1 Item Level.

PCI is ST1-TIREWHEEL

MRN is 100000032

Net Quantity of Returnable Containers Shipped is 1.

This Part is for Job Number AOR197123 as indicated on the EDI-866 Document (cross-reference = JN)

Second HL Segment, Parent is 1 Item Level.

PCI is ST1-TIREWHEEL

MRN is 100000033

Net Quantity of Returnable Containers Shipped is 1.

This Part is for Job Number AOR197127 as indicated on the EDI-866 Document (cross-reference = JN)

ENGINE 856 Example I: Ship Notice/Manifest from Supplier

1. ST*856*0001 N/L
2. BSN*00*970489*120710*1305 N/L
3. DTM*011*120710*1130*ES*19 N/L
4. HL*1**S N/L
5. PRF*M002092***120501 N/L
6. MEA*PD*G*30912*LB N/L
7. MEA*PD*N*24212*LB N/L
8. TD1*PLT64*46 N/L
9. TD5*B*2*CRCR*M*CRETE N/L
10. TD3*TL**210795 N/L
11. REF*BM*970489 N/L
12. REF*PK*123456 N/L
13. REF*CN*234567 N/L
14. N1*SU*ENGINE SUPPLIER*92*12345S1 N/L
15. N1*ST**92*083 N/L
16. HL*2*1*I N/L
17. LIN**BP*1813198C1*VP*246081 N/L
18. SN1**432*PC N/L
19. PRF*M002092 N/L
20. CLD*6*432*PLT71*72*PC N/L
21. HL*3*1*I N/L
22. LIN**BP*1815738C1*VP*ABC123 N/L
23. SN1**693*PC N/L
24. PRF M002092 N/L
25. CLD*3*693*BOX25*231*PC N/L
26. HL*4*1*I N/L
27. LIN**BP*1815739C2*VP*123XYZ N/L
28. SN1**900*PC N/L
29. PRF*M001984 N/L
30. CLD*3*900*CTN71*300*PC N/L
31. CTT*4*2025 N/L
32. SE*32*0001 N/L

ENGINE 856 Example I: Ship Notice/Manifest from Supplier**EDI DATA ELEMENT**

ST*856*0001 N/L
 BSN*00*970489*120710*1305 N/L
 DTM*011*120710*1130*ES*19 N/L
 HL*1**S N/L
 PRF*M002092***120501 N/L
 MEA*PD*G*30912*LB N/L
 MEA*PD*N*24212*LB N/L
 TD1*PLT64*46 N/L
 TD5*B*2*CRCR*M*CRETE N/L
 TD3*TL**210795 N/L
 REF*BM*970489 N/L
 REF*PK*123456 N/L
 REF*CN*234567 N/L
 N1*SU*ENGINE SUPPLIER*92*12345S1 N/L
 N1*ST**92*083 N/L
 HL*2*1*I N/L
 LIN**BP*1813198C1*VP*246081 N/L
 SN1**432*PC N/L
 PRF*M002092 N/L
 CLD*6*432*PLT71*72*PC N/L
 HL*3*1*I N/L
 LIN**BP*1815738C1*VP*ABC123 N/L
 SN1**693*PC N/L
 PRF* M002092 N/L
 CLD*3*693*BOX25*231*PC N/L
 HL*4*1*I N/L
 LIN**BP*1815739C2*VP*123XYZ N/L
 SN1**900*PC N/L

INTERPRETATION

ANSI Transaction Set 856; Transaction Set ID 0001
 Original Document; Control Number 970489;
 Creation Date was 7/10/12; Creation Time was 13:05
 Material was Shipped on 7/10/12 at 11:30 EST; The
 Century portion of the Year is 19
 Initial HL Shipment Level Segment
 Purchase Order Number from 830 is M002092, Dated
 05/1/12.
 Gross Weight of Shipment is 30912 Pounds
 Net Weight of Shipment is 24212 Pounds
 Load is 46 Pallets
 Origin/Delivery Carrier, SCAC Code is CRCR, Motor
 Carrier is Crete
 Trailer Number is 210795
 Bill of Lading Number is 970489
 Packing List Number is 123456
 Pro Number is 234567
 Supplier is Engine Supplier, Navistar assigned
 Supplier Code is 12345S1
 The Ship-to Location is Melrose Park Engine Plant
 Second HL Segment, Parent is 1, Item Level
 Navistar Part Number is 1813198C1, Supplier Part
 Number is 246081
 Net Quantity Shipped is 432 pieces
 Purchase Order Number from 830 is M002092
 Indicates that there are 6 Pallets of 72 pieces for a total
 of 432 Pieces of this Part
 Third HL Segment, Parent is 1, Item Level
 Navistar Part Number is 1815738C1, Supplier Part
 Number is ABC123
 Net Quantity Shipped is 693 pieces
 Purchase Order Number from 830 is M002092
 Indicates that there are 3 Boxes of 231 pieces for a total
 of 693 Pieces of this Part
 Fourth HL Segment, Parent is 1, Item Level
 Navistar Part Number is 1815739C2, Supplier Part
 Number is 123XYZ
 Net Quantity Shipped is 900 pieces

ENGINE 856 Example I: Ship Notice/Manifest from Supplier (Continued)**EDI DATA ELEMENT**PRF* M001984 N/LCLD*3*900*CTN71*300*PC N/LCTT*4*2025 N/LSE*32*0001 N/L**INTERPRETATION**

Purchase Order Number from 830 is M001984

Indicates that there are 3 Cartons of 300 pieces for a total of 900 Pieces of this Part

Total Number of Line Items is 4, Total Quantity Shipped is 2025 pieces

32 Segments Transmitted in Transaction 0001

Service Parts 856 Example I: Ship Notice/Manifest from Supplier with Tare Level for Shipments to PDC or Packager with Returnable Container

1. ST*856*0001 N/L
2. BSN*00*00113774*120702*1439 N/L
3. DTM*011*120702*0600*ES*20 N/L
4. HL*1**S N/L
5. MEA*PD*G*342*LB N/L
6. TD1*PLT71*3 N/L
7. TD5*B*2*DYTN*M*DAYTON FREIGHT N/L
8. REF*BM*00113774 N/L
9. REF*CN*918273645 N/L
10. FOB*CC N/L
11. N1*SU**92*5626260 N/L
12. N1*ST**92*07810781 N/L
13. HL*2*1*T N/L
14. REF*LS*12236278910 N/L
15. HL*3*2*I N/L
16. LIN**BP*2505738C91 N/L
17. SN1**8*PC N/L
18. PRF*301041594***120621 N/L
19. HL*4*1*T N/L
20. REF*LS*12236278911 N/L
21. HL*5*4*I N/L
22. LIN**BP*2596765C1 N/L
23. SN1**7*PC N/L
24. PRF*301027294***120625 N/L
25. HL*6*4*I N/L
26. LIN**BP*1696897C1*VP*246081 N/L
27. SN1**5*PC N/L
28. PRF*00C2587494***120618 N/L
29. HL*7*1*T N/L
30. REF*LS*12236278912 N/L
31. HL*8*7*I N/L
32. LIN**BP*2596763C1 N/L
33. SN1**15*PC N/L
34. PRF*301064294***120627 N/L
35. HL*9*7*I N/L
36. LIN**BP*2508697C91 N/L
37. SN1**4*PC N/L
38. PRF*301020967***120628 N/L
39. HL*10*1*I N/L
40. LIN**RC*HPTSERVICE N/L
41. SN1**1*PC N/L
42. CTT*10*39 N/L
43. SE*43*0001 N/L

Service Parts 856 Example I: Ship Notice/Manifest from Supplier with Tare Level for Shipments to PDC or Packager with Returnable Container

The returnable container loop should only be provided if there is a returnable container.

EDI DATA ELEMENT

INTERPRETATION

ST*856*0001 N/L	ANSI Transaction Set 856; Transaction Set ID 0001.
BSN*00*00113774*120702*1439 N/L	Original Document 00, Shipment Identification Number 00113774; Create Date 07/02/12; Create Time 14:39.
DTM*011*120702*0600*ES*20 N/L	Shipment date (011) and time 07/02/12 at 06:00, ES; The Century Portion of the Year is 20.
HL*1**S N/L	Hierarchical Level 1 identifies Shipment Loop.
MEA*PD*G*342*LB N/L	Gross Weight of Shipment is 342 Pounds.
TD1*PLT71*3 N/L	Load is 3 Pallets.
TD5*B*2*DYTN*M*DAYTON FREIGHT N/L	Origin/Delivery Carrier (B); SCAC Code is DYTN Motor Carrier (M) is Dayton Freight.
REF*BM*00113774 N/L	Bill of Lading Number (BM) for Shipment is 00113774.
REF*CN*918273645 N/L	Carrier Pro Invoice Number (CN) for Shipment is 918273645.
FOB*CC N/L	Shipment Method of Payment (CC) is Collect.
N1*SU**92*5626260 N/L	Supplier (SU); Assigned by Navistar (92); Supplier Code 5626260.
N1*ST**92*07810781 N/L	Ship to (ST); Assigned by Navistar (92); Ship to Code 07810781.
HL*2*1*T N/L	Hierarchical Level 2, Parent is 1, Tare Loop (T). First Container Loop for this Shipment.
REF*LS*12236278910 N/L	Label Serial Number/Package Id (LS). First container number is 12236278910. Only one per Tare Loop.
HL*3*2*I N/L	Hierarchical Level 3, Parent is 2, Item Loop (I). Represents item(s) in First container.
LIN**BP*2505738C91 N/L	Navistar Part Number (BP) is 2505738C91.
SN1**8*PC N/L	Quantity of First and Only Item in First container is 8 Pieces (PC).
PRF*301041594***120621 N/L	Purchase Order Number 301041594. Purchase Order date 06/21/12.
HL*4*1*T N/L	Hierarchical Level 4, Parent is 1, Tare Loop (T). Second Container Loop for this Shipment.
REF*LS*12236278911 N/L	Label Serial Number/Package Id (LS). Second container number 12236278911.
HL*5*4*I N/L	Hierarchical Level 5, Parent is 4, Item Loop (I). Represents item(s) in Second container.
LIN**BP*2596765C1 N/L	Navistar Part Number (BP) is 2596765C1.
SN1**7*PC N/L	Quantity of First Item in Second container is 7 Pieces (PC)
PRF*301027294***120625 N/L	Purchase Order Number 301027294. Purchase Order date 06/25/12.
HL*6*4*I N/L	Hierarchical Level 6, Parent is 4, Item Loop (I). Represents item(s) in Second container.
LIN**BP*1696897C1*VP*246081 N/L	Navistar Part Number (BP) is 1696897C1. Supplier Part Number (VP) is 246081.
SN1**5*PC N/L	Quantity of Second Item Shipped in Second container is 5 Pieces (PC).

Service Parts 856 Example I: Ship Notice/Manifest from Supplier with Tare Level for Shipments to PDC or Packager with Returnable Container (continued)

EDI DATA ELEMENT

INTERPRETATION

PRF*00C2587494***120618 N\L	Purchase Order Number 00C2587494. Purchase Order date 06/18/12.
HL*7*1*T N\L	Hierarchical Level 7, Parent is 1, Tare Loop (T). Third Container Loop for this Shipment.
REF*LS*12236278912 N\L	Label Serial Number/Package Id (LS). Third container number 12236278912.
HL*8*7*I N\L	Hierarchical Level 8, Parent is 7, Item Loop (I). Represents item(s) in Third container
LIN**BP*2596763C1 N\L	Navistar Part Number (BP) is 2596763C1.
SN1**15*PC N\L	Quantity of First Item in Third container is 15 Pieces (PC)
PRF*301064294***120627 N\L	Purchase Order Number 301064294. Purchase Order date 06/27/12.
HL*9*7*I N\L	Hierarchical Level 9, Parent is 7, Item Loop (I). Represents item(s) in Third container.
LIN**BP*2508697C91 N\L	Navistar Part Number (BP) is 2508697C91.
SN1**4*PC N\L	Quantity of Second Item in Third container is 4 Pieces (PC).
PRF*301020967***120628 N\L	Purchase Order Number 301020967. Purchase Order date 06/28/12.
HL*10*1*I N\L	Hierarchical Level 10, Parent is 1, Item Loop (I).
LIN**RC*HPTSERVICE N\L	Navistar Returnable Container Part Number (RC) is HPTSERVICE.
SN1**1*PC N\L	Quantity of Identified Returnable Containers in this shipment is 1 Piece (PC)
CTT*10*39 N\L	Total Number of HL Segments is 10. Total Quantity Shipped is 30 Pieces
SE*43*0001 N\L	End of Transaction set; 43 segments (ST through SE) transmitted. Transaction ID Number is 0001.

Service Parts 856 Example II: Ship Notice/Manifest from Supplier with Tare Level for GLOBAL Shipments to Dealer with Container Weights, Dimensions and Part Country of Origin

1. ST*856*0002 N/L
2. BSN*00*0002847*120702*1600 N/L
3. DTM*011*120702*1600*ES*20 N/L
4. HL*1**S N/L
5. MEA*PD*G*42*LB N/L
6. TD1*CTN71*2 N/L
7. TD5*B*2*UPSG*M*UPS GROUND N/L
8. REF*BM*0002847 N/L
9. REF*CN*1Z0R19W60360512 N/L
10. FOB*CC N/L
11. N1*SU**92*5626260 N/L
12. N1*ST**92*7553SA01 N/L
13. HL*2*1*T N/L
14. MEA*PD*G*21*LB N/L
15. MEA*PD*N*18*LB N/L
16. MEA*PD*HT*71*IN N/L
17. MEA*PD*WD*36*IN N/L
18. MEA*PD*LN*28*IN N/L
19. REF*LS*12365412123 N/L
20. HL*3*2*I N/L
21. LIN*2*BP*ZAJ1416001*CH*ZA N/L
22. SN1**3*EA N/L
23. PRF*GL-800000211***120620 N/L
24. HL*4*1*T N/L
25. MEA*PD*G*21*LB N/L
26. MEA*PD*N*18*LB N/L
27. MEA*PD*HT*71*IN N/L
28. MEA*PD*WD*36*IN N/L
29. MEA*PD*LN*28*IN N/L
30. REF*LS*12365412124 N/L
31. HL*5*4*I N/L
32. LIN*2*BP*ZAJ1416001*CH*IN N/L
33. SN1**3*EA N/L
34. PRF*GL-800000211***120620 N/L
35. HL*6*4*I N/L
36. LIN*3*BP*ZAJ1416002*CH*SD N/L
37. SN1**1*EA N/L
38. PRF*GL-800000211***120620 N/L
39. CTT*6*7 N/L
40. SE*40*0002 N/L

Service Parts 856 Example II: Ship Notice/Manifest from Supplier with Tare Level for GLOBAL Shipments to Dealer with Container Weights, Dimensions and Part Country of Origin

This example shows the looping structure for Service Parts Global Export Shipment that **must** contain the Weights and Dimensions of each container in each Tare Loop. Also Two Position ISO 3166 Country of Origin Code must be provided in LIN segment with CH qualifier.

EDI DATA ELEMENT

INTERPRETATION

ST*856*0002 N/L	ANSI Transaction Set 856; Transaction Set ID 0002.
BSN*00*0002847*120702*1600 N/L	Original Document 00, Shipment Identification Number 0002847; Create Date 07/02/12; Create Time 16:00.
DTM*011*120702*1600*ES*20 N/L	Shipment date (011) and time 07/02/12 at 15:52, ES; The Century Portion of the Year is 20.
HL*1**S N/L	Hierarchical Level 1 identifies Shipment Loop.
MEA*PD*G*42*LB N/L	Gross Weight of Shipment is 42 Pounds.
TD1*CTN71*2 N/L	Load is 2 Cartons.
TD5*B*2*UPSG*M*UPS GROUND N/L	Origin/Delivery Carrier (B); SCAC Code is UPS Motor Carrier (M) is UPS Ground.
REF*BM*0002847 N/L	Bill of Lading Number (BM) for Shipment is 0002847.
REF*CN*1Z0R19W60360512 N/L	Carrier Pro Invoice Number (CN) for Shipment is 1Z0R19W60360512.
FOB*CC N/L	Shipment Method of Payment (CC) is Collect.
N1*SU**92*5626260 N/L	Supplier (SU); Assigned by Navistar (92); Supplier Code 5626260.
N1*ST**92*7553SA01 N/L	Ship to (ST); Assigned by Navistar (92); Ship to Code 7553SA01.
HL*2*1*T N/L	Hierarchical Level 2, Parent is 1, Tare Loop (T). First Container Loop for this Shipment.
MEA*PD*G*21*LB N/L	Physical Dimensions (PD) Gross Weight (G) of First container is 21 pounds (LB).
MEA*PD*N*18*LB N/L	Physical Dimensions (PD) Net Weight (N) of First container is 18 pounds (LB).
MEA*PD*HT*71*IN N/L	Physical Dimensions (PD) Height (HT) of First container is 71 inches (IN).
MEA*PD*WD*36*IN N/L	Physical Dimensions (PD) Width (WD) of First container is 36 inches (IN).
MEA*PD*LN*28*IN N/L	Physical Dimensions (PD) Length (LN) of First container is 28 inches (IN).
REF*LS*12365412123 N/L	Label Serial Number/Package Id (LS). First container number 12365412123.
HL*3*2*I N/L	Hierarchical Level 3, Parent is 2, Item Loop (I). Represents item(s) in First container.
LIN*2*BP*ZAJ1416001*CH*ZA N/L	Line Item number from PO 850 is 2; Navistar Part Number (BP) is ZAJ1416001. Country of Origin Code (CH) is ZA.
SN1**3*EA N/L	Quantity of First and only Item in First container is 3 Pieces (PC).
PRF*GL-500000211***120620 N/L	Purchase Order Number US-800000211. Purchase Order date 06/20/12.

Service Parts 856 Example II: Ship Notice/Manifest from Supplier with Tare Level for GLOBAL Shipments to Dealer with Container Weight, Dimensions and Part Country of Origin (continued)

EDI DATA ELEMENT

INTERPRETATION

HL*4*1*T N\L	Hierarchical Level 4, Parent is 1, Tare Loop (T). Second Container Loop for this Shipment.
MEA*PD*G*21*LB N\L	Physical Dimensions (PD) Gross Weight (G) of Second container is 21 pounds (LB).
MEA*PD*N*18*LB N\L	Physical Dimensions (PD) Net Weight (N) of First container is 18 pounds (LB).
MEA*PD*HT*71*IN N\L	Physical Dimensions (PD) Height (HT) of Second container is 71 inches (IN).
MEA*PD*WD*36*IN N\L	Physical Dimensions (PD) Width (WD) of Second container is 36 inches (IN).
MEA*PD*LN*28*IN N\L	Physical Dimensions (PD) Length (LN) of Second container is 28 inches (IN).
REF*LS*12365412124 N\L	Label Serial Number/Package Id (LS). Second container number 12365412124.
HL*5*4*I N\L	Hierarchical Level 5, Parent is 4, Item Loop (I). Represents item(s) in Second container.
LIN*2*BP*ZAJ1416001*CH*IN N\L	Line Item number from PO 850 is 2; Navistar Part Number (BP) is ZAJ1416001. Country of Origin Code (CH) is IN.
SN1**3*EA N\L	Quantity of First Item in Second container is 3 Pieces (PC).
PRF*GL-800000211***120620 N\L	Purchase Order Number US-800000211. Purchase Order date 06/20/12.
HL*6*4*I N\L	Hierarchical Level 6, Parent is 4, Item Loop (I). Represents item(s) in Second container.
LIN*3*BP*ZAJ1416002*CH*SD N\L	Line Item number from PO 850 is 3; Navistar Part Number (BP) is ZAJ1416002. Country of Origin Code (CH) is SD.
SN1**1*EA N\L	Quantity of Second Item in Second container is 1 Piece (PC).
PRF*GL-800000211***120620 N\L	Purchase Order Number US-800000211. Purchase Order date 06/20/12.
CTT*6*7 N\L	Total Number of HL Segments is 6. Total Quantity Shipped is 7 Pieces
SE*40*0002 N\L	End of Transaction set; 40 segments (ST through SE) transmitted. Transaction ID Number is 0002.

Service Parts 856 Example III: Ship Notice/Manifest from Supplier with Tare Level for GLOBAL Shipment to Special Address or Freight Forwarder with Container Weights, Dimensions and Part Country of Origin

1. ST*856*0003 N/L
2. BSN*00*0002847*120702*1600 N/L
3. DTM*011*120702*1600*ES*20 N/L
4. HL*1**S N/L
5. MEA*PD*G*80*LB N/L
6. TD1*CTN71*1 N/L
7. TD5*B*2*UPSG*M*UPS GROUND N/L
8. REF*BM*0002847 N/L
9. REF*CN*1Z0R19W60360512 N/L
10. FOB*CC N/L
11. N1*SU**92*5626260 N/L
12. N1*SO**92**7132EC09 N/L
13. N1*ST*GAVA INTL FREIGHT N/L
14. N3*1611-1617 NW 82 AVENUE*CTC LUIS GRAVIER N/L
15. N4*MIAMI*FL*33126*US N/L
16. HL*2*1*T N/L
17. MEA*PD*G*80*LB N/L
18. MEA*PD*N*65*LB N/L
19. MEA*PD*HT*71*IN N/L
20. MEA*PD*WD*36*IN N/L
21. MEA*PD*LN*28*IN N/L
22. REF*LS*12365412123 N/L
23. HL*3*2*I N/L
24. LIN*6*BP*ZAJ1416001*CH*ZA N/L
25. SN1**3*EA N/L
26. PRF*GL-800000211***120620 N/L
27. CTT*3*3 N/L
28. SE*28*0003 N/L

Service Parts 856 Example III: Ship Notice/Manifest from Supplier with Tare Level for GLOBAL Shipment to Special Address or Freight Forwarder with Container Weights, Dimensions and Part Country of Origin

This example shows looping structure for Service Parts Global non-domestic Shipment which **must** contain Weights and Dimensions of container provided in each Tare loop and may contain Special Address and Sold To if provided on the Purchase Order. Also Two Position ISO 3166 Country of Origin Code must be provided in LIN segment with CH qualifier.

EDI DATA ELEMENT

INTERPRETATION

ST*856*0003 <small>N\L</small>	ANSI Transaction Set 856; Transaction Set ID 0003.
BSN*00*0002847*120702*1600 <small>N\L</small>	Original Document 00, Shipment Identification Number 0002847; Create Date 07/02/12; Create Time 16:00.
DTM*011*120702*1600*ES*20 <small>N\L</small>	Shipment date (011) and time 07/02/12 at 15:52, ES; The Century Portion of the Year is 20.
HL*1**S <small>N\L</small>	Hierarchical Level 1 identifies Shipment Loop.
MEA*PD*G*80*LB <small>N\L</small>	Gross Weight of Shipment is 80 Pounds.
TD1*CTN71*1 <small>N\L</small>	Load is 1 Carton.
TD5*B*2*UPSG*M*UPS GROUND <small>N\L</small>	Origin/Delivery Carrier (B); SCAC Code UPSG; Motor Carrier (M) is UPS Ground.
REF*BM*0002847 <small>N\L</small>	Bill of Lading Number (BM) for Shipment is 0002847.
REF*CN*1Z0R19W60360512 <small>N\L</small>	Carrier Pro Invoice Number (CN) for Shipment is 1Z0R19W60360512.
FOB*CC <small>N\L</small>	Shipment Method of Payment (CC) is Collect.
N1*SU**92*5626260 <small>N\L</small>	Supplier (SU); Assigned by Navistar (92); Supplier Code 5626260.
N1*SO**92**7132EC09 <small>N\L</small>	Sold-to (SO) is Dealer; Assigned by Navistar (92); Ship to Code 7132EC09.
N1*ST*GAVA INTL FREIGHT <small>N\L</small>	Ship to (ST); Gava Intl Freight. (Freight Forwarder)
N3*1611-1617 NW 82 AVENUE*CTC LUIS GRAVIER <small>N\L</small>	Ship-to address 1 st line is 1611-1617 NW 82 Avenue. Ship-to address 2 nd line is Ctc Luis Gravier
N4*MIAMI*FL*33126*US <small>N\L</small>	The Ship-to city is Miami, State is Florida, Postal Code is 33126, and Country is US.
HL*2*1*T <small>N\L</small>	Hierarchical Level 2, Parent is 1, Tare Loop (T). First Container Loop for this Shipment.
MEA*PD*G*80*LB <small>N\L</small>	Physical Dimensions (PD) Gross Weight (G) of First container is 80 pounds (LB).
MEA*PD*N*65*LB <small>N\L</small>	Physical Dimensions (PD) Gross Weight (N) of First container is 65 pounds (LB).
MEA*PD*HT*71*IN <small>N\L</small>	Physical Dimensions (PD) Height (HT) of First container is 71 inches (IN).
MEA*PD*WD*36*IN <small>N\L</small>	Physical Dimensions (PD) Width (WD) of First container is 36 inches (IN).
MEA*PD*LN*28*IN <small>N\L</small>	Physical Dimensions (PD) Length (LN) of First container is 28 inches (IN).
REF*LS*12365412123 <small>N\L</small>	Label Serial Number/Package Id (LS). First container number 12365412123.
HL*3*2*I <small>N\L</small>	Hierarchical Level 3, Parent is 2, Item Loop (I). Represents item(s) in First container.

Service Parts 856 Example III: Ship Notice/Manifest from Supplier with Tare Level for GLOBAL Shipment to Special Address or Freight Forwarder with Container Weights, Dimensions and Part Country of Origin (continued)

EDI DATA ELEMENT

LIN*6*BP*ZAJ1416001*CH*ZA_N\L

SN1**3*EA_N\L

PRF*GL-80000211***120620_N\L

CTT*3*3_N\L

SE*28*0003_N\L

INTERPRETATION

Line Item number from PO 850 is 6; Navistar Part Number (BP) is ZAJ1416001; Two Position ISO 3166 Country of Origin Code (CH) is ZA.

Quantity of First and only Item in First container is 3 Pieces (PC).

Purchase Order Number GL-80000211. Purchase Order date 06/20/12.

Total Number of HL Segments is 3. Total Quantity Shipped is 3 Pieces

End of Transaction set; 27 segments (ST through SE) transmitted.
Transaction ID Number is 0003.

Service Parts 856 Example IV: Ship Notice/Manifest from Supplier with Tare Level for DOMESTIC Shipment to Special Address

1. ST*856*0004 N/L
2. BSN*00*0002847*120702*1600 N/L
3. DTM*011*120702*1600*ES*20 N/L
4. HL*1**S N/L
5. MEA*PD*G*80*LB N/L
6. TD1*CTN71*1 N/L
7. TD5*B*2*UPSG*M*UPS GROUND N/L
8. REF*BM*0002847 N/L
9. REF*CN*1Z0R19W60360512 N/L
10. FOB*CC N/L
11. N1*SU**92*5626260 N/L
12. N1*SO**92**F0008400 N/L
13. N1*ST*MILLER COMPANY N/L
14. N3*121 FIRST AVE EAST*PO BOX 123 N/L
15. N4*CULBERSON*MT*59211*US N/L
16. HL*2*1*T N/L
17. REF*LS*12365412123 N/L
18. HL*3*2*I N/L
19. LIN**BP*ZAJ1416001 N/L
20. SN1**3*EA N/L
21. PRF*301080211***120620 N/L
22. CTT*3*3 N/L
23. SE*23*0004 N/L

Service Parts 856 Example IV: Ship Notice/Manifest from Supplier with Tare Level for DOMESTIC Shipment to Special Address

This example shows the looping structure for Service Parts Shipment from Supplier that **must** contain the Special Address and Sold To as provided on the Purchase Order.

EDI DATA ELEMENT

INTERPRETATION

ST*856*0004 N\L	ANSI Transaction Set 856; Transaction Set ID 0004.
BSN*00*0002847*120702*1600 N\L	Original Document 00, Shipment Identification Number 0002847; Create Date 07/02/12; Create Time 16:00.
DTM*011*120702*1600*ES*20 N\L	Shipment date (011) and time 07/02/12 at 15:52, ES; The Century Portion of the Year is 20.
HL*1**S N\L	Hierarchical Level 1 identifies Shipment Loop.
MEA*PD*G*80*LB N\L	Gross Weight of Shipment is 80 Pounds.
TD1*CTN71*1 N\L	Load is 1 Carton.
TD5*B*2*UPSG*M*UPS GROUND N\L	Origin/Delivery Carrier (B); SCAC Code is UPSG Motor Carrier (M) is UPS Ground.
REF*BM*0002847 N\L	Bill of Lading Number (BM) for Shipment is 0002847.
REF*CN*1ZOR19W60360512 N\L	Carrier Pro Invoice Number (CN) for Shipment is 1ZOR19W60360512.
FOB*CC N\L	Shipment Method of Payment (CC) is Collect.
N1*SU**92*5626260 N\L	Supplier (SU); Assigned by Navistar (92); Supplier Code 5626260.
N1*SO**92**F0008400 N\L	Sold-to (SO) is Dealer; Assigned by Navistar (92); Ship to Code F0008400.
N1*ST*MILLER COMPANY N\L	Ship to (ST); Miller Company. (Customer)
N3*121 FIRST AVE EAST*PO BOX 123 N\L	Ship-to address 1 st line is 121 1st Ave East. Ship-to address 2 nd line is PO Box 123
N4*CULBERSON*MT*59211*US N\L	The Ship-to city is Culberson, State is Montana, Postal Code is 59211, and Country is US.
HL*2*1*T N\L	Hierarchical Level 2, Parent is 1, Tare Loop (T). First Container Loop for this Shipment.
REF*LS*12365412123 N\L	Label Serial Number/Package Id (LS). First container number 12365412123.
HL*3*2*I N\L	Hierarchical Level 3, Parent is 2, Item Loop (I). Represents item(s) in First container.
LIN**BP*ZAJ1416001 N\L	Navistar Part Number (BP) is ZAJ1416001.
SN1**3*EA N\L	Quantity of First and only Item in First container is 3 Pieces (PC).
PRF*301080211***120620 N\L	Purchase Order Number 301080211. Purchase Order date 06/20/12.
CTT*3*3 N\L	Total Number of HL Segments is 3. Total Quantity Shipped is 3 Pieces
SE*23*0004 N\L	End of Transaction set; 23 segments (ST through SE) transmitted. Transaction ID Number is 0004.