Navistar, Inc.

EDI 856 – Ship Notice / Manifest

VERSION:
ANSI ASC X12
Version Release 3050

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Written by: Applications Analyst [YYYSLA1] *Reviewed/ Approved by:* Marilyn Bernhardt	This Document Applies to: § Truck § Engine § Service Parts

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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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
		Materials or Both)					
500	REF	Reference Numbers	O	>1			Used
510	PER	Administrative Communications Contact	O	3			Not Used
LOOP ID - LH1					**100**		
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					**200**		
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					**200**		
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					**10**		
810	LM	Code Source Information	O	1			Not Used
820	LQ	Industry Code	M	100			Not Used
LOOP ID - HL					**200000**	**C2/360L**	
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

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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		N2/490	Used
500	REF	Reference Numbers	O	>1			Used
510	PER	Administrative Communications Contact	O	3			Not Used
LOOP ID - LH1					**100**		
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					**200**		
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					**200**		
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

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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 mirrror segments in N1 loop provided in documents that authorize shipment (i.e. 830, 850, 860, 862, 866 or whichever apply).

2/490 Service Parts: Required segment for all Global Shipments.

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.

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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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a Transaction Set. **CodeList Summary** (Total Codes: 244, Included: 1) **Code** **Name** 856 X12.10 Ship Notice/Manifest	M	ID	3/3	Used
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Used

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	353	**Transaction Set Purpose Code** **Description:** Code identifying purpose of transaction set. **CodeList Summary** (Total Codes: 57, Included: 2) Code Name 00 Original 05 Replace	M	ID	2/2	Used
BSN02	396	**Shipment Identification** **Description:** A unique control number assigned by the original shipper to identify a specific shipment. **Truck: 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.** **Service Parts: ASN Number must not be longer than 20 positions and cannot contain any special characters.**	M	AN	2/30	Used
BSN03	373	**Date** **Description:** Date (YYMMDD).	M	DT	6/6	Used
BSN04	337	**Time** **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)	M	TM	4/8	Used
BSN05	1005	**Hierarchical Structure Code** **Description:** Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set.	O	ID	4/4	Not used
BSN06	640	**Transaction Type Code** **Description:** Code specifying the type of transaction.	C	ID	2/2	Not used
BSN07	641	**Status Reason Code** **Description:** Code indicating the status reason.	O	ID	3/3	Not used

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier** **Description:** Code specifying type of date or time, or both date and time. **CodeList Summary** (Total Codes: 706, Included: 1) Code Name 011 Shipped	M	ID	3/3	Used
DTM02	373	**Date** **Description:** Date (YYMMDD).	C	DT	6/6	Used
DTM03	337	**Time** **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)	C	TM	4/8	Used
DTM04	623	**Time Code** **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.	O	ID	2/2	Used
DTM05	624	**Century** **Description:** The first two characters in the designation of the year (CCYY).	O	N0	2/2	Used
DTM06	1250	**Date Time Period Format Qualifier** **Description:** Code indicating the date format, time format, or date and time format.	C	ID	2/3	Not used
DTM07	1251	**Date Time Period** **Description:** Expression of a date, a time, or range of dates, times or dates and times.	C	AN	1/35	Not used

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:

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

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:

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

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:

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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	N0	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:

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

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

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:

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

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:

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

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:

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, or an individual **CodeList 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 along with the N1*ST, N3 & N4 reflecting the physical ship-to name and address.** ST Ship To SU Supplier/Manufacturer	M	ID	2/2	Used
N102	93	**Name** **Description:** Free-form name.	C	AN	1/35	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67). **CodeList Summary** (Total Codes: 169, Included: 1) **Code** **Name** 92 Assigned by Buyer or Buyer's Agent	C	ID	1/2	Used
N104	67	**Identification Code** **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.**	C	AN	2/20	Used

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

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:

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

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:

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

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:

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

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:

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

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.

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:

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		a value is being expressed, or manner in which a 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Number Qualifier** **Description:** Code qualifying the Reference Number. **CodeList Summary** (Total Codes: 1082, Included: 1) **Code** **Name** LS Bar-Coded Serial Number	M	ID	2/2	Used
REF02	127	**Reference Number** **Description:** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. **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.** **FOR GLOBAL SHIPMENTS - do not provide any alpha characters.**	C	AN	1/30	Used
REF03	352	**Description** **Description:** A free-form description to clarify the related data elements and their content.	C	AN	1/80	Not used

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:

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

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)

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** **Description:** Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/11	Used
LIN02	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234). **CodeList Summary** (Total Codes: 341, Included: 7) **Code** **Name** BP Buyer's Part Number 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 segement within its own HL Item Loop and HL02 must be 1.** RP Replaced Part Number VP Vendor's (Seller's) Part Number	M	ID	2/2	Used
LIN03	234	**Product/Service ID** **Description:** Identifying number for a product or service.	M	AN	1/40	Used
LIN04	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234). **CodeList Summary** (Total Codes: 341, Included: 7) **Code** **Name** BP Buyer's Part Number 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:**	C	ID	2/2	Used

Code	Name
	Returnable Container Part (RC) is only acceptable in a seperate LIN segement 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).

CodeList Summary (Total Codes: 341, Included: 7)

Code	Name
BP	Buyer's Part Number
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 segement within its own HL Item Loop and HL02 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).

CodeList Summary (Total Codes: 341, Included: 7)

Code	Name
BP	Buyer's Part Number
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 segement**

Code	Name
	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).

CodeList Summary (Total Codes: 341, Included: 7)

Code	Name
BP	Buyer's Part Number
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 segement 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).

CodeList Summary (Total Codes: 341, Included: 7)

Code	Name
BP	Buyer's Part Number
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 segement within its own HL Item Loop and HL02 must be 1.**

Code	Name
RP	Replaced Part Number
VP	Vendor's (Seller's) Part Number

LIN13	234	**Product/Service ID** **Description:** Identifying number for a product or service.	C	AN	1/40	Used
LIN14	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
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	C	AN	1/40	Not used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		service.				
LIN26	235	**Product/Service ID Qualifier**	C	ID	2/2	Not used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).				
LIN27	234	**Product/Service ID**	C	AN	1/40	Not used
		Description: Identifying number for a product or service.				
LIN28	235	**Product/Service ID Qualifier**	C	ID	2/2	Not used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).				
LIN29	234	**Product/Service ID**	C	AN	1/40	Not used
		Description: Identifying number for a product or service.				
LIN30	235	**Product/Service ID Qualifier**	C	ID	2/2	Not used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).				
LIN31	234	**Product/Service ID**	C	AN	1/40	Not used
		Description: Identifying number for a product or service.				

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

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

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

Service Parts: Required segment for all Global Shipments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD401	152	**Special Handling Code** **Description:** Code specifying special transportation handling instructions. **CodeList Summary** (Total Codes: 398, Included: 1) Code Name HM Endorsed as Hazardous Material	M	ID	2/3	Used
TD402	208	**Hazardous Material Code Qualifier** **Description:** Code which qualifies the Hazardous Material Class Code (209).	C	ID	1/1	Not used
TD403	209	**Hazardous Material Class Code** **Description:** Code specifying the kind of hazard for a material.	C	AN	2/4	Not used
TD404	352	**Description** **Description:** A free-form description to clarify the related data elements and their content. Valid Values: Y N	M	AN	1/80	Used

Syntax Rules:

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

Comments:

1. Truck: This Segment is Not Used.
2. Engine:This Segment is Not Used.
3. 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 ITEM Level - To specify identifying numbers.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Number Qualifier** **Description:** Code qualifying the Reference Number. **CodeList Summary** (Total Codes: 1082, Included: 3) **Code** **Name** JS Job Sequence Number LF Assembly Line Feed Location SE Serial Number	M	ID	2/2	Used
REF02	127	**Reference Number** **Description:** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C	AN	1/30	Used
REF03	352	**Description** **Description:** A free-form description to clarify the related data elements and their content.	C	AN	1/80	Not used

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 **CodeList Summary** (Total Codes: 726, Included: 2) **Code** **Name** EA Each PC Piece	O	ID	2/2	Used

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items** **Description:** Total number of line items in the transaction set.	M	N0	1/6	Used
CTT02	347	**Hash Total** **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.	O	R	1/10	Used
CTT03	81	**Weight** **Description:** Numeric value of weight.	C	R	1/10	Not used
CTT04	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
CTT05	183	**Volume** **Description:** Value of volumetric measure.	C	R	1/8	Not used
CTT06	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
CTT07	352	**Description** **Description:** A free-form description to clarify the related data elements and their content.	O	AN	1/80	Not used

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:

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

Comments:

1. SE is the last segment of each transaction set.

Trading Partner:

This segment is used in all Navistar 856 transactions.

APPENDIX of EXAMPLES
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August 10, 2012

NOTE: This document is to be used in conjunction with the Navistar 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	INTERPRETATION
ST*856*0001 N/L	ANSI transaction set 856 Transaction ID 0001
BSN*00*123456*120320*1054 N/L	Original Document, Unique Shipment Identification Number 123456, Creation Date was 3/20/12, Creation Time was 10:54
DTM*011*120320*1054*ES*19 N/L	Indicates date, time, Time Zone and Century related to the shipment.
HL*1**S N/L	Hierarchical Level 1 which identifies "SHIPMENT"
PRF*10495***120211 N/L	Identifies Purchase Order Number and Date Issued.
MEA*PD*G*1000*LB N/L	Gross Weight of Shipment.
MEA*PD*N*800*LB N/L	Net Weight of Shipment.
TD1*RCK58*4***BRAKES N/L	Identifies what is being shipped.
TD1*RCK58*2***AXLES N/L	Identifies what is being shipped.
TD1*CTN71*1***BRAKE PADS N/L	Identifies what is being shipped.
TD5*B*2*YFSY*M* YELLOW N/L	Carrier SCAC Code and Carrier Name.
TD3*TL**14550 N/L	Trailer Number Containing Shipment.
REF*CN*97314 N/L	Carrier Pro Number for this Shipment.
REF*BM*675843 N/L	Bill of Lading Number for this Shipment.
REF*FR*44775589 N/L	Freight Bill Number for this Shipment.
REF*PK*4352 N/L	Pack List Number for this Shipment.
REF*SI*66554421 N/L	SID Number for this Shipment.
FOB*PP N/L	FOB Instructions: Prepaid
N1*SU*DANA*92*26625X1 N/L	Supplier Name and NAVISTAR Assigned Supplier Code.
N1*ST**92*062 N/L	Ship to Location.
HL*2*1*I N/L	Hierarchical Level is 2; Parent is 1 Item Level. (1st. Part Number)
LIN**BP*597203C1 N/L	Identifies the NAVISTAR Part Number.
SN1**2*PC N/L	Quantity of Item Shipped.
HL*3*1*I N/L	Hierarchical Level is 3; Parent is 1 Item Level. (2nd. Part Number)
LIN**BP*598048C3 N/L	Identifies the NAVISTAR Part Number.
SN1**3*PC N/L	Quantity of Item Shipped.
HL*4*1*I N/L	Hierarchical Level is 4; Parent is 1 Item Level (3rd. Part Number).
LIN**BP*598309C92 N/L	Identifies the NAVISTAR Part Number being Shipped.
SN1**3*PC N/L	Quantity of Item Shipped.

Truck 856 Example I: Advanced Ship Notice –Simple Parts (Continued)

EDI DATA ELEMENT	INTERPRETATION
PRF*12345678901***120210 N/L	Purchase Order Number and Date Issued. Used Only if Different than P.O. Identified at Shipment Level.
HL*5*1*I N/L	Hierarchical Level is 5; Parent is 1, Item Level. (4th. Part Number)
LIN**RC*888888C88 N/L	Part Number of Returnable Container(s).
SN1**2*PC N/L	Quantity of Item Shipped, In this case, Returnable Containers
HL*6*1*I N/L	Hierarchical Level is 6; Parent is 1, Item Level. (5th. Part Number)
LIN**RC*777777C77 N/L	Part Number of Returnable Container(s).
SN1**1*PC N/L	Quantity of Item Shipped, In this case, Returnable Containers
HL*7*1*I N/L	Hierarchical Level is 7; Parent is 1 Item Level (6th. Part Number).
LIN**RP*598185C92 N/L	Identifies the NAVISTAR Repair/Replacement Part Number being Shipped.
SN1**1*PC N/L	Quantity of Item Shipped.
PRF*22345778901***120212 N/L	Purchase Order Number and Date Issued. Required for Billable Repair/Replacement Parts
HL*8*1*I N/L	Hierarchical Level is 8; Parent is 1 Item Level (7th Part Number).
LIN**BP*598304C92 N/L	Identifies the NAVISTAR Part Number being Shipped.
SN1**332*PC N/L	Quantity of Item Shipped.
PRF*12345678901***120210 N/L	Purchase Order Number and Date Issued. Used Only if Different than P.O. Identified at Shipment Level.
CTT*8*344 N/L	Number of HL Segments in this Shipment Including Returnable Containers and Total Number of Pieces Shipped.
SE*46*0001 N/L	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	INTERPRETATION
ST*856*0001 N/L	ANSI transaction set 856 Transaction ID 0001
BSN*00*345678*120320*1054 N/L	Original Document, Unique Shipment Identification Number 345678, Creation Date was 3/20/12, Creation Time was 10:54
DTM*011*120320*1054*ES*19 N/L	Indicates date, time, Time Zone and Century related to the shipment.
HL*1**S N/L	Hierarchical Level 1 which identifies "SHIPMENT"
PRF*06221166088***120211 N/L	Identifies Purchase Order Number and Date Issued.
MEA*PD*G*1000*LB N/L	Gross Weight of Shipment.
MEA*PD*N*800*LB N/L	Net Weight of Shipment.
TD1*RCK58*4***BRAKES N/L	Identifies what is being shipped.
TD1*RCK58*2***AXLES N/L	Identifies what is being shipped.
TD1*CTN71*1***BRAKE PADS N/L	Identifies what is being shipped.
TD5*B*2*YFSY*M* YELLOW N/L	Carrier SCAC Code and Carrier Name.
TD3*TL**14550 N/L	Trailer Number Containing Shipment.
REF*CN*97314 N/L	Carrier Pro Number for this Shipment.
REF*BM*675843 N/L	Bill of Lading Number for this Shipment.
REF*FR*44775589 N/L	Freight Bill Number for this Shipment.
REF*PK*4352 N/L	Pack List Number for this Shipment.
REF*SI*66554421 N/L	SID Number for this Shipment.
REF*JA*A1040 N/L	Beginning Line Sequence Number on Shipment
REF*JE*A1052 N/L	Ending Line Sequence Number on Shipment.
FOB*PP N/L	FOB Instructions: Prepaid
N1*SU*TESTSUP*92*56789X2 N/L	Supplier Name and NAVISTAR Assigned Supplier Code.
N1*ST**92*062 N/L	Ship to Location.
REF*DK*1234 N/L	Identifies NAVISTAR Delivery Dock as 1234
HL*2*1*I N/L	Hierarchical Level is 2; Parent is 1 Item Level. (1st. Part Number)
LIN**BP*597203C1 N/L	Identifies the NAVISTAR and Supplier Part Number.
SN1**2*PC N/L	Quantity of Item Shipped.
REF*JS*123456 N/L	Job Number of Part is 123456
REF*LF*1 N/L	Assembly Line Sequence Number for the Specific Job
REF*JS*123457 N/L	Job Number of Part is 123457
REF*LF*2 N/L	Assembly Line Sequence Number for the Specific Job
HL*3*1*I N/L	Hierarchical Level is 3; Parent is 1 Item Level. (2nd. Part Number)
LIN**BP*598048C3 N/L	Identifies the NAVISTAR Part Number.

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

EDI DATA ELEMENT	INTERPRETATION
SN1**3*PC N/L	Quantity of Item Shipped.
REF*JS*123459 N/L	Job Number of Part is 123459
REF*LF*1 N/L	Assembly Line Sequence Number for the Specific Job
REF*JS*123459 N/L	Job Number of Part is 123459
REF*LF*1 N/L	Assembly Line Sequence Number for the Specific Job
REF*JS*123460 N/L	Job Number of Part is 123460
REF*LF*2 N/L	Assembly Line Sequence Number for the Specific Job
HL*4*1*I N/L	Hierarchical Level is 4; Parent is 1 Item Level (3rd. Part Number).
LIN**BP*598309C92 N/L	Identifies the NAVISTAR Part Number being Shipped.
SN1**3*PC N/L	Quantity of Item Shipped.
PRF*12345678901***120210 N/L	Purchase Order Number and Date Issued. Used Only if Different than P.O. Identified at Shipment Level (Header).
REF*JS*123411 N/L	Job Number of Part is 123411
REF*LF*1 N/L	Assembly Line Sequence Number for the Specific Job
REF*JS*123412 N/L	Job Number of Part is 123412
REF*LF*2 N/L	Assembly Line Sequence Number for the Specific Job
REF*JS*123458 N/L	Job Number of Part is 123458
REF*LF*2 N/L	Assembly Line Sequence Number for the Specific Job
HL*5*1*I N/L	Hierarchical Level is 5; Parent is 1, Item Level. (4th. Part Number)
LIN**RC*888888C88 N/L	Part Number of Returnable Container(s).
SN1**2*PC N/L	Quantity of Item Shipped, In this case, Returnable Containers
HL*6*1*I N/L	Hierarchical Level is 5; Parent is 1, Item Level. (4th. Part Number)
LIN**RC*777777C77 N/L	Part Number of Returnable Container(s).
SN1**1*PC N/L	Quantity of Item Shipped, In this case, Returnable Containers
HL*7*1*I N/L	Hierarchical Level is 6, Parent is 1 Item Level (5th. Part Number).
LIN**RP*598185C92 N/L	Identifies the NAVISTAR Repair/Replacement Part Number being Shipped.
SN1**1*PC N/L	Quantity of Item Shipped.
PRF*22345778901***120212 N/L	Purchase Order Number and Date Issued. Required for Billable Repair/Replacement Parts
HL*8*1*I N/L	Hierarchical Level is 8, Parent is 1 Item Level (3rd. Part Number).
LIN**BP*598304C92 N/L	Identifies the NAVISTAR Part Number being Shipped.
SN1**332*PC N/L	Quantity of Item Shipped.
PRF*12345678901***120210 N/L	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	INTERPRETATION
REF*LF*2 N/L	Assembly Line Sequence Number for the Specific Job
CTT*8*344 N/L	Number of HL Segments in this Shipment Including Returnable Containers and Total Number of Pieces Shipped.
SE*66*0001 N/L	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	INTERPRETATION
ST*856*0001 N/L	ANSI transaction set 856 Transaction ID 0001
BSN*00*123456*120320*1054 N/L	Original Document, Unique Shipment Identification Number 123456, Creation Date was 3/20/12, Creation Time was 10:54
DTM*011*120320*1054*ES*19 N/L	Indicates date, time, Time Zone and Century related to the shipment.
HL*1**S N/L	Hierarchical Level 1 which identifies "SHIPMENT"
PRF*00221166088***120211 N/L	Identifies Purchase Order Number and Date Issued.
MEA*PD*G*1000*LB N/L	Gross Weight of Shipment.
MEA*PD*N*800*LB N/L	Net Weight of Shipment.
TD1*RCK58*2***BRAKES N/L	Identifies what is being shipped.
TD5*B*2*YFSY*M* YELLOW N/L	Carrier SCAC Code and Carrier Name.
TD3*TL**14550 N/L	Trailer Number Containing Shipment.
REF*CN*97314 N/L	Carrier Pro Number for this Shipment.
REF*BM*675843 N/L	Bill of Lading Number for this Shipment.
REF*FR*44775589 N/L	Freight Bill Number for this Shipment.
REF*PK*4352 N/L	Pack List Number for this Shipment.
REF*SI*66554421 N/L	SID Number for this Shipment.
REF*JA*5676 N/L	Beginning Line Sequence Number on Shipment
REF*JE*5677 N/L	Ending Line Sequence Number on Shipment.
FOB*PP N/L	FOB Instructions: Prepaid
N1*SU*SUPNAME*92*12345X1 N/L	Supplier Name and NAVISTAR Assigned Supplier Code.
N1*ST**92*002ASM N/L	Ship to Location.
REF*DK*K999 N/L	Identifies NAVISTAR Delivery Dock as K999
HL*2*1*I N/L	Hierarchical Level is 2; Parent is 1 Item Level. (1st. Part Number)
LIN**PU*6DBB1D86 N/L	Identifies the NAVISTAR Module Reference Number being shipped.
SN1**1*PC N/L	Quantity of Item Shipped.
REF*LF*1 N/L	Assembly Line Number for the Specific Job
REF*JS*608566 N/L	Job Number of Part is 608566
HL*3*1*I N/L	Hierarchical Level is 3; Parent is 1 Item Level. (2nd. Part Number)
LIN**PU*8BC20C86 N/L	Identifies the NAVISTAR Module Reference Number being shipped.
SN1**1*PC N/L	Quantity of Item Shipped.
REF*LF*1 N/L	Assembly Line Number for the Specific Job
REF*JS*608569 N/L	Job Number of Part is 608569

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

EDI DATA ELEMENT	INTERPRETATION
HL*4*1*I N/L	Hierarchical Level is 4; Parent is 1 Item Level (3rd. Part Number).
LIN**PU*2FF21A2C N/L	Identifies the NAVISTAR Module Reference Number being shipped.
SN1**2*PC N/L	Quantity of Item Shipped.
REF*JS*608541 N/L	Job Number of Part is 608541
REF*JS*608542 N/L	Job Number of Part is 608542
REF*LF*2 N/L	Assembly Line Number for the Specific Job
HL*5*1*I N/L	Hierarchical Level is 5, Parent is 1, Item Level. (4th. Part Number)
LIN**RC*888888C88 N/L	Part Number of Returnable Container(s).
SN1**2*PC N/L	Quantity of Item Shipped, In this case, Returnable Containers
CTT*5*6 N/L	Number of HL Segments in this Shipment Including Returnable Containers and Total Number of Pieces Shipped.
SE*42*0001 N/L	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	INTERPRETATION
ST*856*0001 N/L	ANSI transaction set 856 Transaction ID 0001
BSN*00*123456*120320*1054 N/L	Original Document, Unique Shipment Identification Number 123456, Creation Date was 3/20/12, Creation Time was 10:54
DTM*011*120320*1054*ES*19 N/L	Indicates date, time, Time Zone and Century related to the shipment.
HL*1**S N/L	Hierarchical Level 1 which identifies "SHIPMENT"
PRF*00221166088***120211 N/L	Identifies Purchase Order Number and Date Issued.
MEA*PD*G*1000*LB N/L	Gross Weight of Shipment.
MEA*PD*N*800*LB N/L	Net Weight of Shipment.
TD1*RCK58*1***BRAKES N/L	Identifies what is being shipped.
TD5*B*2*YFSY*M* YELLOW N/L	Carrier SCAC Code and Carrier Name.
TD3*TL**14550 N/L	Trailer Number Containing Shipment.
REF*CN*97314 N/L	Carrier Pro Number for this Shipment.
REF*BM*675843 N/L	Bill of Lading Number for this Shipment.
REF*FR*44775589 N/L	Freight Bill Number for this Shipment.
REF*PK*4352 N/L	Pack List Number for this Shipment.
REF*SI*66554421 N/L	SID Number for this Shipment.
REF*JA*5101 N/L	Beginning Line Sequence Number on Shipment
REF*JE*5101 N/L	Ending Line Sequence Number on Shipment.
FOB*PP N/L	FOB Instructions: Prepaid
N1*SU*SUPNAME*92*12345X1 N/L	Supplier Name and NAVISTAR Assigned Supplier Code.
N1*ST**92*002ASM N/L	Ship to Location.
REF*DK*K999 N/L	Identifies NAVISTAR Delivery Dock as K999
HL*2*1*I N/L	Hierarchical Level is 2; Parent is 1 Item Level. (1st. Part Number)
LIN**PU*914C7753 N/L	Identifies the NAVISTAR Module Reference Number being shipped.
SN1**1*PC N/L	Quantity of Item Shipped.
REF*LF*1 N/L	Assembly Line Number for the Specific Job
REF*JS*508665 N/L	Job Number of Part is 508665
HL*3*1*I N/L	Hierarchial Level is 3; Parent is 1 Item Level. (1st. Part Number)
LIN**RC*888888C88 N/L	Part Number of Returnable Container(s).
SN1**1*PC N/L	Quantity of Item Shipped, In this case, Returnable Containers
CTT*3*2 N/L	Number of HL Segments in this Shipment Including Returnable Containers and Total Number of Pieces Shipped.
SE*31*0001 N/L	Number of Included Segments.

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	INTERPRETATION
ST*856*0001 N/L	ANSI Transaction Set 856; Transaction Set ID 0001
BSN*00*970489*120710*1305 N/L	Original Document; Control Number 970489; Creation Date was 7/10/12; Creation Time was 13:05
DTM*011*120710*1130*ES*19 N/L	Material was Shipped on 7/10/12 at 11:30 EST; The Century portion of the Year is 19
HL*1**S N/L	Initial HL Shipment Level Segment
PRF*M002092***120501 N/L	Purchase Order Number from 830 is M002092, Dated 05/1/12.
MEA*PD*G*30912*LB N/L	Gross Weight of Shipment is 30912 Pounds
MEA*PD*N*24212*LB N/L	Net Weight of Shipment is 24212 Pounds
TD1*PLT64*46 N/L	Load is 46 Pallets
TD5*B*2*CRCR*M*CRETE N/L	Origin/Delivery Carrier, SCAC Code is CRCR, Motor Carrier is Crete
TD3*TL**210795 N/L	Trailer Number is 210795
REF*BM*970489 N/L	Bill of Lading Number is 970489
REF*PK*123456 N/L	Packing List Number is 123456
REF*CN*234567 N/L	Pro Number is 234567
N1*SU*ENGINE SUPPLIER*92*12345S1 N/L	Supplier is Engine Supplier, Navistar assigned Supplier Code is 12345S1
N1*ST**92*083 N/L	The Ship-to Location is Melrose Park Engine Plant
HL*2*1*I N/L	Second HL Segment, Parent is 1, Item Level
LIN**BP*1813198C1*VP*246081 N/L	Navistar Part Number is 1813198C1, Supplier Part Number is 246081
SN1**432*PC N/L	Net Quantity Shipped is 432 pieces
PRF*M002092 N/L	Purchase Order Number from 830 is M002092
CLD*6*432*PLT71*72*PC N/L	Indicates that there are 6 Pallets of 72 pieces for a total of 432 Pieces of this Part
HL*3*1*I N/L	Third HL Segment, Parent is 1, Item Level
LIN**BP*1815738C1*VP*ABC123 N/L	Navistar Part Number is 1815738C1, Supplier Part Number is ABC123
SN1**693*PC N/L	Net Quantity Shipped is 693 pieces
PRF* M002092 N/L	Purchase Order Number from 830 is M002092
CLD*3*693*BOX25*231*PC N/L	Indicates that there are 3 Boxes of 231 pieces for a total of 693 Pieces of this Part
HL*4*1*I N/L	Fourth HL Segment, Parent is 1, Item Level
LIN**BP*1815739C2*VP*123XYZ N/L	Navistar Part Number is 1815739C2, Supplier Part Number is 123XYZ
SN1**900*PC N/L	Net Quantity Shipped is 900 pieces

ENGINE 856 Example I: Ship Notice/Manifest from Supplier (Continued)

EDI DATA ELEMENT	INTERPRETATION
PRF* M001984 N/L	Purchase Order Number from 830 is M001984
CLD*3*900*CTN71*300*PC N/L	Indicates that there are 3 Cartons of 300 pieces for a total of 900 Pieces of this Part
CTT*4*2025 N/L	Total Number of Line Items is 4, Total Quantity Shipped is 2025 pieces
SE*32*0001 N/L	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*12236278911N\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 and Hazardous Material Indicator.

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. TD4*HM***Y N/L
25. HL*4*1*T N/L
26. MEA*PD*G*21*LB N/L
27. MEA*PD*N*18*LB N\L
28. MEA*PD*HT*71*IN N/L
29. MEA*PD*WD*36*IN N/L
30. MEA*PD*LN*28*IN N/L
31. REF*LS*12365412124 N/L
32. HL*5*4*I N/L
33. LIN*2*BP*ZAJ1416001*CH*IN N/L
34. SN1**3*EA N/L
35. PRF*GL-800000211***120620 N/L
36. TD4*HM***Y N/L
37. HL*6*4*I N/L
38. LIN*3* BP*ZAJ1416002*CH*SD N/L
39. SN1**1*EA N/L
40. PRF*GL-800000211***120620 N/L
41. TD4*HM***N N/L
42. CTT*6*7 N/L
43. SE*43*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 and Hazardous Material Indicator

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. Two Position ISO 3166 Country of Origin Code must be provided in LIN segment with CH qualifier. Hazardous Material Indicator must be provided in the TD4 segment.

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 UPSG 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
TD4*HM***Y N/L	Hazardous Material (HM) is Y – yes. This is required on all Global Shipments
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. Must be all numeric for global shipments.
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.
TD4*HM***Y N/L	Hazardous Material (HM) is Y – yes. This is required on all Global Shipments
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.
TD4*HM***N N/L	Hazardous Material (HM) is N – No. This is required on all Global Shipments
CTT*6*7 N\L	Total Number of HL Segments is 6. Total Quantity Shipped is 7 Pieces
SE*43*0002 N\L	End of Transaction set; 43 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 and Hazardous Material Indicator

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. TD4*HM***Y N/L
28. CTT*3*3 N/L
29. SE*29*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 N\L	ANSI Transaction Set 856; Transaction Set ID 0003.
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 UPSG; 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*SO**92**7132EC09 N\L	Sold-to (SO) is Dealer; Assigned by Navistar (92); Ship to Code 7132EC09.
N1*ST*GAVA INTL FREIGHT N\L	Ship to (ST); Gava Intl Freight. (Freight Forwarder)
N3*1611-1617 NW 82 AVENUE*CTC LUIS GRAVIER N\L	Ship-to address 1st line is 1611-1617 NW 82 Avenue. Ship-to address 2nd line is Ctc Luis Gravier
N4*MIAMI*FL*33126*US N\L	The Ship-to city is Miami, State is Florida, Postal Code is 33126, 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.
MEA*PD*G*80*LB N\L	Physical Dimensions (PD) Gross Weight (G) of First container is 80 pounds (LB).
MEA*PD*N*65*LB N\L	Physical Dimensions (PD) Gross Weight (N) of First container is 65 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. Must be all numeric for global shipments
HL*3*2*I N\L	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	INTERPRETATION
LIN*6*BP*ZAJ1416001*CH*ZA N\L	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.
SN1**3*EA N\L	Quantity of First and only Item in First container is 3 Pieces (PC).
PRF*GL-800000211***120620 N\L	Purchase Order Number GL-800000211. Purchase Order date 06/20/12
TD4*HM***Y N\L	Hazardous Material (HM) is Y – yes. This is required on all Global Shipments.
CTT*3*3 N\L	Total Number of HL Segments is 3. Total Quantity Shipped is 3 Pieces
SE*29*0003 N\L	End of Transaction set; 29 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*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*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 1st line is 121 1st Ave East. Ship-to address 2nd 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.