856 Ship Notice/Manifest

X12/V4010/856 : 856 Ship Notice/Manifest

Status: Final

Author: **Dana Incorporated**
Company: **Dana Incorporated**
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Notes:

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856 v4010 Revision Log

January 2024

No changes in structure, some segments updated as Must Use.
Updated various comments throughout the entire document.

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			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use
040	DTM	Date/Time Reference	O	10			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level - Shipment Level	M	1		C2/010	Must use
080	MEA	Measurements	O	40			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
150	REF	Reference Identification	O	>1			Used
LOOP ID - N1					**200**		
220	N1	Name	O	1			Used
230	N2	Additional Name Information	O	2			Used
240	N3	Address Information	O	2			Used
250	N4	Geographic Location	O	1			Used
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level - Order Level	M	1		C2/010	Must use
050	PRF	Purchase Order Reference	O	1			Used
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level - Item Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Must use
030	SN1	Item Detail (Shipment)	O	1			Must use
LOOP ID - CLD					**200**		
170	CLD	Load Detail	O	1			Must use
180	REF	Reference Identification	O	200		N2/180	Must use

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	CTT	Transaction Totals	M	1		N3/010	Must use

| 020 | SE | Transaction Set Trailer | M | 1 | | Must use |

Notes:

2/180   NOTE: "HC" Heat Code is not required by all Dana locations but for those that use it, it is mandatory.
NOTE: "LT" Lot Code is not required by all Dana locations but for those that use it, it is mandatory.

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.

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ST   Transaction Set Header

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

User Option (Usage): Must use
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**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set
All valid standard codes are used. (Total Codes: 298)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

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

BSN | Beginning Segment for Ship Notice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	**Elements: 4**

User Option (Usage): Must use
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**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

CodeList Summary

Code	Name
00	Original

BSN02	396	**Shipment Identification**	M	AN	2/30	Must use

Description: A unique control number assigned by the original shipper to identify a specific shipment

BSN03	373	**Date**	M	DT	8/8	Must use

Description: Local ASN creation date (CCYYMMDD)

BSN04	337	**Time**	M	TM	4/8	Must use

Description: Local ASN creation time (HHMM) (24 hour clock)

Comments:

1. GENERAL INFORMATION: The date and time are the local date and time at the creation point of the transaction set. This should coincide with the shipment date and time.
2. EXAMPLE: BSN~00~163850279~20150824~1156

DTM Date/Time Reference

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

CodeList Summary

Code	Name
011	Shipped
017	Estimated Delivery

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM03	337	**Time**	X	TM	4/8	Used

Description: Time expressed in 24-hour clock time (HHMM)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM04	623	**Time Code**	O	ID	2/2	Not used

Description: Code identifying the time zone.

CodeList Summary

Code	Name
CT	Central Time
ET	Eastern Time
MT	Mountain Time
PT	Pacific Time

Comments:

1. 011 Shipped: Use the date and time that the shipment leaves the supplier's premises, with the supplier's appropriate local Time Zone Qualifier.
2. EXAMPLE: DTM~011~20150824~1200~CT
3. 017 Estimated Delivery: Use the date that the shipment is to be Delivered to destination's premises.
4. Estimated Delivery Time and Time Code optional
5. EXAMPLE: DTM~017~20150825~1400~ET
6. ** All Standard Time Codes from Codelist allowed **
7. **DTM~011 and DTM~017 are both required**

Loop Hierarchical Level

Pos: 010	**Repeat: 200000**
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level - Shipment Level	M	1		Must use
080	MEA	Measurements	O	40		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
150	REF	Reference Identification	O	>1		Used
220		Loop N1	O		200	Used

HL   Hierarchical Level - Shipment Level

User Option (Usage): Must use
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**	M	AN	1/12	Must use

Description: "1" for the initial HL and incremented by 1 Identification Number in each subsequent HL segment within the transaction set.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Required except for shipment level.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

CodeList Summary

Code	Name
S	Shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL04	736	**Hierarchical Child Code**	O	ID	1/1	Used

Description: Code indicating if there are hierarchical child data segments subordinate to the level being described

Comments:

1. EXAMPLE: HL~1~~S

MEA Measurements

<table>
<tr><td>Pos: 080</td><td>Max: 40</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA01	737	**Measurement Reference ID Code**	O	ID	2/2	Used

Description: Code identifying the broad category to which a measurement applies

CodeList Summary

Code	Name
PD	Physical Dimensions

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA02	738	**Measurement Qualifier**	O	ID	1/3	Used

Description: Code identifying a specific product or process characteristic to which a measurement applies

CodeList Summary

Code	Name
G	Gross Weight
N	Actual Net Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA03	739	**Measurement Value**	X	R	1/20	Used

Description: The value of the measurement

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA04	C001	**Composite Unit of Measure**	X	Comp		Used

Description: To identify a composite unit of measure
(See Figures Appendix for examples of use)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA04-01	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary

Code	Name
KG	Kilogram
LB	Pound

Semantics:

1. MEA04 defines the unit of measure for MEA03

TD1   Carrier Details (Quantity and Weight)

Pos: 110   Max: 20
Detail - Optional
Loop: HL   Elements: 2

User Option (Usage): Used
Purpose: 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**	O	AN	3/5	Used

Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD102	80	**Lading Quantity**	C	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity

Comments:

1. EXAMPLE: TD1~CTN71~1

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120   Max: 12
Detail - Optional
Loop: HL   Elements: 4

User Option (Usage): Used
Purpose: To specify the carrier and sequence of routing and provide transit time information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD501	133	**Routing Sequence Code**	O	ID	1/2	Used

Description: Code describing the relationship of a carrier to a specific shipment movement

CodeList Summary

Code	Name
B	Origin/Delivery Carrier (Any Mode)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	**Identification Code Qualifier**	X	ID	1/2	Must use

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary

Code	Name
2	Standard Carrier Alpha Code (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD503	67	**Identification Code**	X	AN	2/80	Must use

Description: Code identifying the carrier (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD504	91	**Transportation Method/Type Code**	X	ID	1/2	Used

Description: Code specifying the method or type of transportation for the shipment
All valid standard codes are used. (Total Codes: 71)

Syntax Rules:

1. C0203 - If TD502 is present, then TD503 is required.

Comments:

1. EXAMPLE: TD5~B~2~CTII~LT
2. TD5 segment is optional but preferred for tracking purposes.

TD3 Carrier Details (Equipment)

Pos: 130	Max: 12
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: 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**	X	ID	2/2	Used

> **Description:** Code identifying type of equipment used for shipment
> **All valid standard codes are used. (Total Codes: 134)**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD302	206	**Equipment Initial**	O	AN	1/4	Used

> **Description:** Prefix or alphabetic part of an equipment unit's identifying number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD303	207	**Equipment Number**	X	AN	1/10	Used

> **Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Syntax Rules:

1. C0203 - If TD302 is present, then TD303 is required.

Comments:

1. EXAMPLE: TD3~TL~~825707
2. TD3 segment is optional but preferred for tracking purposes.

REF Reference Identification

Pos: 150	**Max: >1**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	O	ID	2/3	Used

Description: Code qualifying the Reference Identification

CodeList Summary

Code	Name
BM	Bill of Lading Number (Shipment Level)
CN	Carrier's Reference Number (PRO/Invoice)
PK	Packing List Number (Shipment Level)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Comments:

1. EXAMPLE: REF~BM~809236034
2. EXAMPLE: REF~PK~24967
3. REF~CN is optional
4. **REF~BM or REF~PK is required**

Loop Name

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
220	N1	Name	O	1		Used
230	N2	Additional Name Information	O	2		Used
240	N3	Address Information	O	2		Used
250	N4	Geographic Location	O	1		Used

N1 **Name**

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

CodeList Summary

Code	Name
SF	Ship From
ST	Ship To
SU	Supplier/Manufacturer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: For "SF", use supplier code.

Comments:

1. EXAMPLE: N1~ST~CROSSVILLE DISTRIBUTION SERVICE CENTER~92~1601
2. **N1~ST is required**
3. **N1~SF is required**

N2   Additional Name Information

User Option (Usage): Used
Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

Comments:

   1. EXAMPLE: N2~DANA CORPORATION

N3   **Address Information**

<table>
<tr><td>Pos: 240</td><td>Max: 2</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

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**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

Comments:

1. EXAMPLE: N3~900 INDUSTRIAL BLVD

N4   Geographic Location

Pos: 250   **Max: 1**
Detail - Optional
Loop: N1   **Elements: 4**

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**	O	AN	2/30	Used

    Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

    Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

    Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

    Description: Code identifying the country

    For example: "US" = United States "CA" = Canada

Comments:

    1. EXAMPLE: N4~CROSSVILLE~TN~47374~US

Loop Hierarchical Level

Pos: 010	**Repeat: 200000**
	Mandatory
Loop: HL	**Elements: N/A**

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level - Order Level	M	1		Must use
050	PRF	Purchase Order Reference	O	1		Used

HL — Hierarchical Level - Order Level

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

User Option (Usage): Must use
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**	M	AN	1/12	Must use

Description: "1" for the initial HL and incremented by 1 Identification Number in each subsequent HL segment within the transaction set.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Required except for shipment level.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

CodeList Summary

Code	Name
O	Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL04	736	**Hierarchical Child Code**	O	ID	1/1	Used

Description: Code indicating if there are hierarchical child data segments subordinate to the level being described

Comments:

1. EXAMPLE: HL~2~1~O

PRF   Purchase Order Reference

User Option (Usage): Used
Purpose: To provide reference to a specific purchase order

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Purchase Order Number from 830/850.

PRF04	373	**Date**	O	DT	8/8	Used

Description: Purchase order date that was transmitted to the supplier by Dana. (CCYYMMDD)

Comments:

1. Required in Order Hierarchical Level
2. EXAMPLE: PRF~5500012345~~~20150824

Loop Hierarchical Level

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level - Item Level	M	1		Must use
020	LIN	Item Identification	O	1		Must use
030	SN1	Item Detail (Shipment)	O	1		Must use
170		Loop CLD	O		200	Must use

HL Hierarchical Level - Item Level

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

User Option (Usage): Must use
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**	M	AN	1/12	Must use

Description: "1" for the initial HL and incremented by 1 Identification Number in each subsequent HL segment within the transaction set.

HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Required except for shipment level.

HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

CodeList Summary

Code	Name
I	Item

HL04	736	**Hierarchical Child Code**	O	ID	1/1	Used

Description: Code indicating if there are hierarchical child data segments subordinate to the level being described

Comments:

1. EXAMPLE: HL~3~2~I

LIN Item Identification

User Option (Usage): Must use
Purpose: To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	**Assigned Identification**	M	AN	1/20	Must use

Description: Original PO line number

*** Return the value from the 830/850 LIN01 else ASN will be rejected ***

LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

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

CodeList Summary

Code	Name
BP	Buyer's Part Number

LIN03	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

LIN04	235	**Product/Service ID Qualifier**	O	ID	2/2	Used

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

CodeList Summary

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

LIN05	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

LIN06	235	**Product/Service ID Qualifier**	O	ID	2/2	Used

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

CodeList Summary

Code	Name
EC	Engineering Change Level

LIN07	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

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

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

LIN09	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

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

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

LIN11	234	**Product/Service ID**	C	AN	1/48	Used

Description: Identifying number for a product or service

Comments:

1. GENERAL INFORMATION: There should be one LIN segment in each Item Level.
   The segment is to identify Dana part number.
   Up to 5 product/service qualifiers and IDs may be used for each LIN segment.
2. EXAMPLE: LIN~10~BP~5-3022X~VP~04SS

SN1 Item Detail (Shipment)

<table>
<tr><td>Pos: 030</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 5</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify line-item detail relative to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN102	382	**Number of Units Shipped**	M	R	1/10	Must use

Description: Quantity shipped for the released part referenced in the associated LIN segment.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

*** This must match value sent on 830/850 to Supplier ***

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN104	646	**Quantity Shipped to Date**	O	R	1/15	Used

Description: Number of units shipped to date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN105	330	**Quantity Ordered**	X	R	1/15	Used

Description: Total quantity originally ordered for this location, part number, and purchase order and line number.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN106	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

*** This must match value sent on 830/850 to Supplier ***

Comments:

1. GENERAL INFORMATION: Used to show quantity being shipped and unit of measure.
   Required at the Item Level.
2. EXAMPLE: SN1~~13~EA~13~13~EA

Loop Load Detail

User Option (Usage): Must use
Purpose: To specify the number of material loads shipped

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
170	CLD	Load Detail	O	1		Must use
180	REF	Reference Identification	O	200		Must use

CLD **Load Detail**

User Option (Usage): Must use
Purpose: To specify the number of material loads shipped

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CLD01	622	**Number of Loads**	M	N0	1/5	Must use
		Description: Number of customer-defined loads shipped by the supplier				
CLD02	382	**Number of Units Shipped**	M	R	1/10	Must use
		Description: Quantity per load (number of units per Shipped container)				
CLD03	103	**Packaging Code**	O	AN	3/5	Used
		Description: Any valid ANSI code.				

Comments:

1. Shipment and Item Hierarchical Level
2. EXAMPLE: CLD~1~100~CTN90

REF Reference Identification

User Option (Usage): Must use
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary

Code	Name
HC	Heat Code
LS	Bar-Coded Serial Number
LT	Lot Number
SE	Serial Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Dependent

Description: If "HC" is used in REF01, provide Heat Date here (YYMMDD).

Comments:

1. NOTE: "HC" Heat Code is not required by all Dana locations but for those that use it, it is mandatory.
2. NOTE: "LT" Lot Code is not required by all Dana locations but for those that use it, it is mandatory.
3. EXAMPLE ITEM LEVEL: REF~LS~809236034
4. EXAMPLE ITEM LEVEL: REF~HC~89657~160423
5. EXAMPLE ITEM LEVEL: REF~LT~89657~

CTT   Transaction Totals

User Option (Usage): Must use
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**	M	N0	1/6	Must use
		Description: Total number of HL segments.				
CTT02	347	**Hash Total**	O	R	1/10	Used
		Description: SN102 accumulation of the value of units shipped for each SN102 segments.				

Comments:

1. EXAMPLE: CTT~4~113

SE   **Transaction Set Trailer**

User Option (Usage): Must use

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**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

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

Comments:

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