

856**Ship Notice/Manifest****Functional Group=SH****Heading:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must Use
020	BSN	Beginning Segment for Ship Notice	M	1			Must Use
040	DTM	Date/Time Reference	O	10			Must Use

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - HL					200000	C2/050L	
050	HL	Hierarchical Level - SHIPMENT LEVEL	M	1		C2/050	Must Use
120	MEA	Measurements	O	40			Must Use
150	TD1	Carrier Details (Quantity and Weight)	O	20			Must Use
160	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Must Use
170	TD3	Carrier Details (Equipment)	O	12			Must Use
180	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			Optional
200	REF	Reference Identification	O	>1			Must Use
LOOP ID - N1					200		
390	N1	Name	O	1			Must Use
LOOP ID - HL					200000	C2/580L	
580	HL	Hierarchical Level - ORDER LEVEL	M	1		C2/580	Must Use
620	PRF	Purchase Order Reference	O	1			Must Use
730	REF	Reference Identification	O	>1			Conditiona
LOOP ID - HL					200000	C2/1110L	
1110	HL	Hierarchical Level - ITEM LEVEL	M	1		C2/1110	Must Use
1120	LIN	Item Identification	O	1			Must Use
1130	SN1	Item Detail (Shipment)	O	1			Must Use
LOOP ID - CLD					200		
1380	CLD	Load Detail	O	1			Must Use
1390	REF	Reference Identification	O	200			Must Use

Summary:

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

ST

Transaction Set Header

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

User Option (Usage): Must Use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must Use
		<u>Code</u> <u>Name</u>				
		856 Ship Notice/Manifest				
Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	Transaction Set Control Number	M	AN	4/9	Must Use
		<i>Control number assigned by the supplier (same as SE02).</i>				

BSN**Beginning Segment for Ship Notice**

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

User Option (Usage): Must Use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Must Use
		<u>Code</u> <u>Name</u>				
		00 Original				
Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN02	396	Shipment Identification	M	AN	2/30	Must Use
		<i>Unique supplier-assigned number that is not repeated within a one year period when BSN01 = "00", i.e. ASN number.</i>				
BSN03	373	Date	M	DT	8/8	Must Use
		<i>Date refers to the date the shipment transaction set is created and is expressed as CCYYMMDD.</i>				
BSN04	337	Time	M	TM	4/8	Must Use
		<i>Time refers to the time the shipment transaction set is created and is expressed in a 24-hour clock time as HHMM.</i>				

Loop HL

Pos: 050	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	HL	Hierarchical Level - SHIPMENT LEVEL	M	1		Must Use
120	MEA	Measurements	O	40		Must Use
150	TD1	Carrier Details (Quantity and Weight)	O	20		Must Use
160	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Must Use
170	TD3	Carrier Details (Equipment)	O	12		Must Use
180	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		Optional
200	REF	Reference Identification	O	>1		Must Use
390		Loop N1	O		200	Must Use

HL

Hierarchical Level - SHIPMENT LEVEL

Pos: 050	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Must Use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must Use
		<u>Code</u> <u>Name</u>				
		1 Indicates shipment level.				
Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	Hierarchical Level Code	M	ID	1/2	Must Use
		<u>Code</u> <u>Name</u>				
		S Shipment				

MEA

Measurements

Pos: 120	Max: 40
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Must Use

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Must Use
		<u>Code</u> <u>Name</u>				
		PD Physical Dimensions				
MEA02	738	Measurement Qualifier	O	ID	1/3	Must Use
		<u>Code</u> <u>Name</u>				
		G Gross Weight				
MEA03	739	Measurement Value	C	R	1/20	Must Use
MEA04	C001	Composite Unit of Measure	C	Comp		Must Use
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must Use
		<u>Code</u> <u>Name</u>				
		LB Pound				

TD1

Carrier Details (Quantity and Weight)

Pos: 150	Max: 20
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must Use

To specify the transportation details relative to commodity, weight, and quantity

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD101	103	Packaging Code	O	AN	3/5	Must Use
		<u>Code</u> <u>Name</u>				
		BBL Barrel				
		BDL Bundle				
		BOX Box				
		CNT Container				
		COL Coil				
		CTN Carton				
		DRM Drum				
		PLT Pallet				
		RCK Rack				
		ROL Roll				
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD102	80	Lading Quantity	C	N0	1/7	Must Use

TD5

Carrier Details (Routing Sequence/Transit Time)

Pos: 160	Max: 12
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Must Use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD501	133	Routing Sequence Code	O	ID	1/2	Must Use
		Code Name				
		B Origin/Delivery Carrier (Any Mode)				
TD502	66	Identification Code Qualifier	C	ID	1/2	Must Use
		Code Name				
		2 Standard Carrier Alpha Code (SCAC)				
TD503	67	Identification Code	C	AN	2/80	Must Use
		<i>The SCAC code.</i>				
TD504	91	Transportation Method/Type Code	C	ID	1/2	Must Use
		Code Name				
		M Motor (Common Carrier)				
		P Private Carrier				
		R Rail				
		AE Air Express				

TD3

Carrier Details (Equipment)

Pos: 170	Max: 12
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Must Use

To specify transportation details relating to the equipment used by the carrier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD301	40	Equipment Description Code	C	ID	2/2	Must Use
		Code				
		Name				
		RR				Rail Car
		TL				Trailer (not otherwise specified)
Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD302	206	Equipment Initial	O	AN	1/4	Must Use
		<i>Prefix or alphabetic part of an equipment unit's identifying number.</i>				
TD303	207	Equipment Number	C	AN	1/10	Must Use
		<i>Serial number of the trailer.</i>				

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

Pos: 180	Max: 5
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Optional

To specify transportation special handling requirements, or hazardous materials information, or both

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD401	152	Special Handling Code <i>Use any element 152 code specifying the special transportation handling instructions.</i>	C	ID	2/3	Must Use
TD402	208	Hazardous Material Code Qualifier Code Name D Hazardous Materials ID, DOT	C	ID	1/1	Must Use
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD403	209	Hazardous Material Class Code <i>Use the appropriate element 209 code to specify the kind of hazardous material.</i>	C	AN	1/4	Must Use

This segment should be used when applicable.

REF**Reference Identification**

Pos: 200	Max: >1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must Use

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier <i>Code qualifying the Reference Identification.</i>	M	ID	2/3	Must Use
		Code Name				
		AW Air Waybill Number				
		BM Bill of Lading Number				
		CN Carrier's Reference Number (PRO/Invoice)				
		PK Packing List Number				
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF02	127	Reference Identification <i>Value referred to in REF01.</i>	C	AN	1/30	Must Use

The 'BM', 'PK' and 'CN' occurrences of this REF segment are required when applicable.

If there is only one bill of lading and packing list, this information should appear at the SHIPMENT level only. The ORDER level REF should be excluded.

The PRO number should appear at the shipment level only.

Loop N1

Pos: 390	Repeat: 200
Optional	
Loop: N1	Elements: N/A

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
390	N1	Name	O	1		Must Use

Both the 'SF' & 'ST' N1 segments are required.

See "Appendix A" for DUNS Number Cross Reference Table

N1**Name**

Pos: 390	Max: 1
Detail - Optional	
Loop: N1	Elements: 3

User Option (Usage): Must Use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must Use
		Code				
		Name				
		SF				Ship From
		ST				Ship To
Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	Identification Code Qualifier	C	ID	1/2	Must Use
		Code				
		Name				
		1				D-U-N-S Number, Dun & Bradstreet
Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	Identification Code	C	AN	2/80	Must Use
		<i>If 'SF' = Supplier's DUNS number.</i>				
		<i>If 'ST' = Tenneco-Automotive receiving facility DUNS number.</i>				
		<i>Suppress internal dashes and spaces.</i>				

*Both the 'SF' & 'ST' N1 segments are required.**See "Appendix A" for DUNS Number Cross Reference Table*

Loop HL

Pos: 580	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
580	HL	Hierarchical Level - ORDER LEVEL	M	1		Must Use
620	PRF	Purchase Order Reference	O	1		Must Use
730	REF	Reference Identification	O	>1		Conditona

HL**Hierarchical Level - ORDER LEVEL**

Pos: 580	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must Use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number <i>After the shipment level HL, increment by 1 for each subsequent HL segment within the transaction.</i>	M	AN	1/12	Must Use
HL02	734	Hierarchical Parent ID Number <i>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.</i>	O	AN	1/12	Must Use
HL03	735	Hierarchical Level Code	M	ID	1/2	Must Use
		<u>Code</u>				
		O				
		<u>Name</u>				
		Order				

PRF**Purchase Order Reference**

Pos: 620	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must Use

To provide reference to a specific purchase order

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	Purchase Order Number <i>Use PO number provided in 862 document, data element BSS10.</i>	M	AN	1/22	Must Use
PRF02	328	Release Number <i>Use the material release number provided in the 862 document, data element BSS07.</i>	O	AN	1/30	Must Use

REF**Reference Identification**

Pos: 730	Max: >1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Conditional

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must Use
		Code				
		Name				
		BM				Bill of Lading Number
		PK				Packing List Number
Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	Reference Identification	C	AN	1/30	Must Use
		<i>Value referred to in the REF01.</i>				

*The 'PK' occurrences of this REF segment are required when applicable.**If there is only one bill of lading and packing list, this information should only appear at the SHIPMENT level REF, not at the ORDER level REF.*

Loop HL

Pos: 1110	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1110	HL	Hierarchical Level - ITEM LEVEL	M	1		Must Use
1120	LIN	Item Identification	O	1		Must Use
1130	SN1	Item Detail (Shipment)	O	1		Must Use
1380		Loop CLD	O		200	Must Use

HL**Hierarchical Level - ITEM LEVEL**

Pos: 1110	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must Use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number <i>After the shipment level HL, increment by 1 for each subsequent HL segment within the transaction.</i>	M	AN	1/12	Must Use
HL02	734	Hierarchical Parent ID Number <i>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.</i>	O	AN	1/12	Must Use
HL03	735	Hierarchical Level Code	M	ID	1/2	Must Use
		<u>Code</u> <u>Name</u>				
		I Item				

LIN

Item Identification

Pos: 1120	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must Use

To specify basic item identification data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must Use
		<u>Code</u> <u>Name</u>				
		BP Buyer's Part Number				
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN03	234	Product/Service ID	M	AN	1/48	Must Use

If returnable containers are being used, a separate LIN segment should be used to account for them as well.

SN1

Item Detail (Shipment)

Pos: 1130	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Must Use

To specify line-item detail relative to shipment.

Used to show the net quantity being shipped, the unit of measure and cumulative year-to-date shipments if applicable.

If used at the order level, does not need to be repeated at the item level.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SN102	382	Number of Units Shipped	M	R	1/10	Must Use
SN103	355	Unit or Basis for Measurement Code <i>This should be the same unit of measure provided on the corresponding releasing document. Any valid X12 code value except "ZZ" mutually defined.</i>	M	ID	2/2	Must Use
SN104	646	Quantity Shipped to Date	O	R	1/15	Must Use

Loop CLD

Pos: 1380	Repeat: 200
Optional	
Loop: CLD	Elements: N/A

To specify the number of material loads shipped

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1380	CLD	Load Detail	O	1		Must Use
1390	REF	Reference Identification	O	200		Must Use

CLD

Load Detail

Pos: 1380	Max: 1
Detail - Optional	
Loop: CLD	Elements: 2

User Option (Usage): Must Use

To specify the number of material loads shipped

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CLD01	622	Number of Loads <i>Number of customer-defined loads shipped by the supplier. (Ex. containers).</i>	M	N0	1/5	Must Use
CLD02	382	Number of Units Shipped <i>Total quantity per container.</i>	M	R	1/10	Must Use

REF

Reference Identification

Pos: 1390	Max: 200
Detail - Optional	
Loop: CLD	Elements: 2

User Option (Usage): Must Use

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must Use
		<u>Code</u>				
		<u>Name</u>				
		CR				Customer Reference Number
		LS				Bar-Coded Serial Number
		LT				Lot Number
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF02	127	Reference Identification	C	AN	1/30	Must Use
		<i>Value referred to in REF01.</i>				

CTT

Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must Use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items <i>Total number of HL segments.</i>	M	N0	1/6	Must Use
CTT02	347	Hash Total <i>Hash total of quantity shipped (SN102).</i>	O	R	1/10	Must Use

SE**Transaction Set Trailer**

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

User Option (Usage): Must Use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must Use
SE02	329	Transaction Set Control Number <i>Control number assigned by TA (same as ST02)</i>	M	AN	4/9	Must Use