

FORD MOTOR COMPANY
IMPLEMENTATION GUIDELINES FOR EDI CONVENTIONS

Shipping Schedule Transaction Set (862)

TABLE 1
DATA SEGMENT SEQUENCE FOR THE HEADING AREA

SEG			USAGE		MAX	LOOP/
ID.	TITLE	PAGE	ANSI	FORD	USE	REPEAT
ST	Transaction Set Header	862.004	M	M	1	
BSS	Beginning Segment - Shipping Schedule	862.005	M	M	1	
DTM	Date/Time Reference		O	N	10	
NTE	Note/Special Instruction		F	N	100	
N1	Name	862.006	O	M	1] N1/200
N2	Additional Name Information		O	N	2	
N3	Address Information		O	N	1	
N4	Geographic Location		O	N	1	
REF	Reference Numbers		O	N	12	
PER	Administrative Communications Contact		O	N	3	
FOB	F.O.B. Related Instructions		O	N	1	

Note: Abbreviations in the columns headed "Usage - ANSI Ford" have the following definitions:

"M" - Mandatory. These segments will appear in all Daily Ship Schedules.

"N" - Not Used. Ford does not use this segment. However, Ford reserves the right to implement usage of these segments in the future.

"O" - Optional. These segments may appear in Daily Ship Schedules.

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TABLE 2
DATA SEGMENT SEQUENCE FOR THE DETAIL AREA

SEG ID.	TITLE	PAGE	USAGE		MAX USE	LOOP/ REPEAT	
			ANSI	FORD			
LIN	Item Identification Detail	862.007	M	M	1		
UNT	Unit Detail	862.008	M	M	1		
REF	Reference Number	862.009	O	O	12		LIN/10000
PER*	Administrative Communication Contact	862.010	O	O	6		
SDP	Ship/Delivery Pattern		O	N	1		
FST	Forecast Schedule	862.011	M	M	1		FST/100
SDQ	Destination Quantity		O	N	10		
JIT	JIT Delivery Schedule	862.012	O	N	1		JIT/24
REF	Reference Number		O	N	500		
ATH	Resource Authorization		O	N	1		
SHP	Shipped/Received Information	862.013	O	O	1	SHP/10	
REF	Reference Number	862.014	O	O	12		
TD1	Carrier Details (Quantity and Weight)	862.015	O	O	1		
TD3	Carrier Details (Equipment)	862.016	O	O	1		

*Note: Maintenance request to add "PER" to segment submitted, pending ANSI X/12 approval.

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TABLE 3
DATA SEGMENT SEQUENCE FOR THE HEADING AREA

SEG			USAGE		MAX	LOOP/
ID.	TITLE	PAGE	ANSI	FORD	USE	REPEAT
CTT	Transaction Totals	862.017	M	M	1	
SE	Transaction Set Trailer	862.018	M	M	1	

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TRANSACTION SET: 862 - Shipping Schedule
 SEGMENT: ST - Transaction Set Header
 LEVEL: Heading
 MAX USAGE/LOOPS: 1/none
 PURPOSE: The first segment of each transaction set containing the transaction set identifier and control number.

GENERAL INFORMATION: The transaction set control number (ST02) in this header must match the transaction set control number (SE02) in the transaction set trailer (SE).

EXAMPLE: ST*862*891230001 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
ST01	143	Transaction Set ID	<u>M ID 03/03</u>	Use "862"
ST02	329	Transaction Set Control Number	<u>M AN 04/09</u>	A unique Number assigned to each transaction set within a functional group. This number must match the value in SE02.

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TRANSACTION SET: 862 - Shipping Schedule
 SEGMENT: BSS - Beginning Segment Shipping Schedule
 LEVEL: Heading
 MAX USAGE/LOOPS: 1/None
 PURPOSE: To indicate the beginning of a shipping schedule.

GENERAL INFORMATION: The forecast quantity qualifier element is used to show the quantity usage in the FST01 element of the FST segment. A qualifier of "C" indicates that the quantities are cumulative quantities. A qualifier of "A" indicates that the quantities are discrete (net) quantities. (The FST01 quantities are always discrete (net) when strike protection (S) is indicated in the FST02 element.)

EXAMPLE: BSS*05*8729700002*870812*SH*870812*870825*485-23****C N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
BSS01	353	Transaction Set	<u>M ID 02/02</u> (Normal)	"05"=Replace "00"=first schedule after cum reset.
BSS02	127	Reference Number	<u>M AN 01/30</u>	Usually julian date and sequential number
BSS03	373	Date	<u>M DT 06/06</u>	Schedule issue date. (YYMMDD)
BSS04	675	Forecast Type Qualifier	<u>M ID 02/02</u>	"SH"-shipment "DL"-delivery "BB"-broadcast
BSS05	373	Date	<u>M DT 06/06</u>	First day of schedule. (YYMMDD)
BSS06	373	Date	<u>M DT 06/06</u>	Last day of schedule. (YYMMDD)
BSS07	328	Release Number	<u>C AN 01/30</u>	Ford program number

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: BSS - Beginning Segment Shipping Schedule (continued)

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
BSS08	127	Reference Number	<u>C AN 01/30</u>	Not used
BSS09	367	Contract Number	<u>O AN 01/30</u>	Not used
BSS10	324	Purchase Order Number	<u>O AN 01/22</u>	Not used
BSS11 *	676	Forecast Quantity Qualifier	<u>M ID 01/01</u>	Identifies quantity usage in FST segments. "A"- FST01 contains discrete (net) quantities. "C"- FST01 contains cumulative quantities. See the general information note above.

***Note:** Data maintenance request to add BSS11 (Forecast Quantity Qualifier) pending with ANSI X/12.

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: N1 - Name

LEVEL: Heading

MAX USAGE/LOOPS: 1 per N1 loop/first segment of N1 loop whose max usage is 200

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

GENERAL INFORMATION: This N1 loop in the heading area can be used to identify the buyer, the seller, the bill-to, the ship-to and ship-from locations.

EXAMPLES: N1*ST**92*1623A N/L
N1*Sf**92*A006A N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
N101	98	Entity ID Code	<u>M ID 02/02</u>	"SF"=ship from "ST"=ship to "SE"=seller (used only if different from ship from) "BY"=buyer (used only if different from ship to) "IC"=Intermediate consignee
N102	93	Name	<u>C AN 01/35</u>	Not used
N103	66	ID Code Qualifier	<u>C ID 01/02</u>	"92" means Ford code
N104	67	ID Code	<u>C AN 02/17</u>	Will contain Ford assigned code

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: UNT - Unit Detail

LEVEL: Detail

MAX USAGE/LOOPS: 1 per detail loop

PURPOSE: To specify item unit data.

GENERAL INFORMATION: This is a mandatory segment and indicates the unit of measure for all quantities relating to the line item.

EXAMPLE: UNT*PC N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
UNT01	355	Unit of Measurement	<u>M ID 02/02</u>	Will contain same unit of measure as Ford Material Release (830).
UNT02	212	Unit Price	<u>C R 01/14</u>	Not used
UNT03	639	Basis of Unit Price Code	<u>O ID 02/02</u>	Not used

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TRANSACTION SET: 862 - Shipping Schedule
 SEGMENT: REF - Reference Number
 LEVEL: Detail
 MAX USAGE/LOOPS: 200 per LIN loop.
 PURPOSE: To transmit identifying numbers associated with the named party.

GENERAL INFORMATION: Used to convey the dock, line feed location or reserve line feed location where the item is to be delivered.

EXAMPLES: REF*DK*B12 N/L
 REF*RL*RR6 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
REF01	128	Reference Number Qualifier	<u>M ID 02/02</u>	"DK" = Dock Code "LF" = Line Feed "RL" = Reserve Line Feed
REF02	127	Reference Number	<u>C AN 01/30</u>	Location code
REF03	352	Description	<u>C AN 01/80</u>	Not used

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: PER - Administrative Communications Contact *

LEVEL: Detail

MAX USAGE/LOOPS: 6 per LIN loop

PURPOSE: To identify a person or office to whom administrative communications should be directed.

GENERAL INFORMATION: Not used by manufacturing plants. Assembly plants will use this segment for changes only.

EXAMPLE: PER*EX*1429 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
PER01	366	Contact Function Code	<u>M ID 02/02</u>	Will contain either "EX" for general office expediter or "RD" for plant receiving dock.
PER02	93	Name	<u>O AN 01/35</u>	Ford Contact name or Contact Code.
PER03	365	Communication Number Qualifier	<u>O ID 02/02</u>	Will contain "TE" - telephone number
PER04	364	Communication Number	<u>C AN 07/21</u>	Ford contact telephone number
PER05	326	Request Reference Number	<u>O AN 01/45</u>	Not used

***Note:** Data maintenance request to add the "PER" segment at detail level is pending with ANSI X/12.

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TRANSACTION SET: 862 - Shipping Schedule
 SEGMENTS: FST - Forecast Schedule
 LEVEL: Detail
 MAX USAGE/LOOPS: 1/100
 PURPOSE: To specify the forecasted dates and quantities.

GENERAL INFORMATION: The FST01 quantity usage is determined by both the BSS11 and FST02 elements. Use these elements to determine if the quantity is discrete (net) or cumulative.

EXAMPLE: FST*40456*C*D*870812 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
FST01	380	Quantity	<u>M R 01/10</u>	If FST02 = "C", FST01 contains discrete (net) or cumulative quantity based on value of BSS11 element of the BSS segment. If FST02 = "S", FST01 contains discrete (net) quantity. For assembly plants (excluding KTP), this quantity will be rounded up to the next unit pack.
FST02	680	Forecast Qualifier	<u>M ID 01/01</u>	Will contain "C" (firm quantity) or "S" (strike protection)
FST03	681	Forecast Timing Qual.	<u>C ID 01/01</u>	Will contain "D" (discrete time interval).
FST04	373	Date	<u>M DT 06/06</u>	Time period for quantity specified in FST01. (YYMMDD)

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: FST - Forecast Schedule (cont'd)

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
FST05	373	Date	<u>O DT 06/06</u>	Not used.
FST06	374	Date/Time Qualifier	<u>O ID 03/03</u>	For assembly plant delivery items only - "002" means delivery requested at this time. (FST06 and FST07 - use only for next need time.)
FST07	337	Time	<u>C TM 04/04</u>	Time may be provided by assembly plants.
FST08	128	Reference Number Qualifier	<u>O ID 02/02</u>	Not used
FST09	127	Reference Number	<u>C AN 01/30</u>	Not used

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TRANSACTION SET: 862 - Shipping Schedule
SEGMENT: JIT - JIT Delivery Schedule
LEVEL: Detail
MAX USAGE/LOOPS: 24 loops
PURPOSE: To identify the specific shipping/delivery time in terms of
a 24-hour clock and the associated quantity.
GENERAL
INFORMATION: Not used at this time. May be used in the future by Ford
assembly plants for job sequencing.

EXAMPLES:

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> Ford <u>FEATURES</u>	<u>COMMENTS</u>
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TRANSACTION SET: 862 - Shipping Schedule
SEGMENT: SHP - Shipped/Received Info.
LEVEL: Detail
MAX USAGE/LOOPS: 1/100
PURPOSE: To specify shipment and/or receipt information.

GENERAL
INFORMATION:

This is based on ASN information transceived for the last shipment, and the model year cumulative shipped value. The cum quantity is equal to cum receipts plus in-transit thru the last transceived ASN.

If SHP01 = "01" then
SHP02 = Quantity from last ASN
SHP03 = "011"
SHP04 = Shipped date from last ASN
SHP05 - N/A
SHP06 - N/A
SHP07 - N/A

If SHP01 = "02" then
SHP02 = Cumulative quantity as of last ASN
SHP03 = "011"
SHP04 = Date the accumulations begin
SHP05 - N/A
SHP06 = Shipped date of last ASN
SHP07 - N/A

If SHP01 = "21" or "22" or "23" or "24" then
SHP02 = Quantity - challenged/pending
SHP03 = "011"
SHP04 = Shipped date of cum challenged/pending
SHP05 - N/A
SHP06 - N/A
SHP07 - N/A

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TRANSACTION SET: 862 - Shipping Schedule
SEGMENT: SHP - Shipped/Received Info. (continued)

GENERAL INFORMATION: In addition, for Assembly Plants only:

If SHP01 = "01" then
 SHP02 = Quantity from last receipt
 SHP03 = "050"
 SHP04 = Receipt date of last quantity
 SHP05 - N/A
 SHP06 - N/A
 SHP07 - N/A

If SHP01 = "02" then
 SHP02 = Quantity - cumulative receipts
 SHP03 = "050"
 SHP04 = Model year start date
 SHP05 - N/A
 SHP06 - Receipt date of last quantity
 SHP07 - N/A

EXAMPLE: SHP*01*200*011*890215 N/L (discrete amount received)

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> Ford <u>FEATURES</u>	<u>COMMENTS</u>
SHP01	673	Quantity Qualifier	<u>O ID 02/02</u>	"01"=discrete quantity "02"=cumulative quantity "21"=Ford cumulative quantity less than quantity in SN104 of last ASN (pending) "22"=Ford cumulative quantity less than quantity in SN104 of last ASN (challenge)

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: SHP - Shipped/Received Info. (cont'd)

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
SHP01	(continued)			"23"=Ford cumulative quantity greater than quantity in SN104 of last ASN (pending) "24"=Ford cumulative quantity greater than quantity in SN104 of last ASN (challenge)
SHP02	380	Quantity	<u>C R 01/10</u>	If SHP01 = "21", "22", "23", or "24" then SHP02 contains difference between supplier cum and Ford cum.
SHP03	374	Date/Time Qualifier	<u>O ID 03/03</u>	"011" = shipped date "050" = received date
SHP04	373	Date	<u>C DT 06/06</u>	If SHP06 is used, SHP04 contains cumulative start date. If SHP06 is not used, SHP04 contains shipped or received date. (YYMMDD)
SHP05	337	Time	<u>O TM 04/04</u>	Not used
SHP06	373	Date	<u>C DT 06/06</u>	If SHP04 contains cumulative start date, SHP06 contains date last shipment shipped or received. (YYMMDD) Otherwise, not used.
SHP07	337	Time	<u>O TM 04/04</u>	Not used

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TRANSACTION SET: 862 - Shipping Schedule
 SEGMENT: REF - Reference Number
 LEVEL: Detail
 MAX USAGE/LOOPS: 5/none
 PURPOSE: To transmit ASN number associated with quantity in SHP segment.

GENERAL INFORMATION: When used, there will be only one "REF" segment per LIN, and it will always follow the "SHP*01" segment.

EXAMPLE: REF*SI*056117 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
REF01	128	Reference Number	<u>M ID 02/02</u>	Will contain "SI" Qualifier(shipment ID number)
REF02	127	Reference Number	<u>C AN 01/30</u>	Shipment ID number (for assembly plants, this is the packing slip number).
REF03	352	Description	<u>C AN 01/80</u>	Not used

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: TD1 - Carrier Details (Quantity and Weight)

LEVEL: Detail

MAX USAGE/LOOPS: 20 per detail loop

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

GENERAL INFORMATION: Used by assembly plants only.

EXAMPLE: TD1*CNT90*145****Q*5000*LB N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
TD101	103	Packaging Code	<u>O ID 05/05</u>	Will contain "CNT90".
TD102	80	Lading Quantity	<u>C NO 01/07</u>	Parts per container
TD103	23	Commodity Code Qualifier	<u>O ID 01/01</u>	Not used
TD104	22	Commodity Code	<u>C ID 01/10</u>	Not used
TD105	79	Lading Description	<u>O AN 01/25</u>	Not used
TD106	187	Weight Qualifier	<u>O ID 01/02</u>	Will contain "Q" (weight per 1000)
TD107	81	Weight	<u>C R 01/08</u>	Weight per 1000
TD108	355	Unit of Measurement Code	<u>C ID 02/02</u>	Will contain "LB" (pounds)

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: TD3 - Carrier Details (Equipment)

LEVEL: Detail

MAX USAGE/LOOPS: 12 per detail loop

PURPOSE: To specify transportation details relating to the equipment used by the carrier.

GENERAL INFORMATION: Used by assembly plants only.

EXAMPLE: TD3*CN*PBX N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
TD301	40	Equipment Description Code	<u>M ID 02/02</u>	Will contain "CN" (container)
TD302	206	Equipment Initial	<u>O AN 01/04</u>	Not used.
TD303	207	Equipment Number	<u>C AN 01/07</u>	Will contain Ford container type code.
TD304	187	Weight Qualifier	<u>O ID 01/02</u>	Not used
TD305	81	Weight	<u>C R 01/08</u>	Not used
TD306	355	Unit of Measurement Code	<u>C ID 02/02</u>	Not used
TD307	102	Ownership Code	<u>O ID 01/01</u>	Not used

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TRANSACTION SET: 862 - Shipping Schedule
 SEGMENT: CTT - Transaction Totals
 LEVEL: Trailer
 MAX USAGE/LOOPS: 1/none
 PURPOSE: To transmit a hash total for a specific element(s) in the transaction set.

GENERAL INFORMATION: To provide number of LIN segments and the sum of the quantities in the FST01 elements.

EXAMPLE: CTT*14*9784530 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
CTT01	354	Number of Line Items	<u>M NO 01/06</u>	Number of LIN segments
CTT02	347	Hash Totals	<u>O R 01/10 M R 01/10</u>	Sum of quantities from FST01s - if overflow truncate high order.
CTT03	81	Weight	<u>O R 01/08</u>	Not used
CTT04	355	Unit of Measurement Code	<u>C ID 02/02</u>	Not used
CTT05	183	Volume	<u>O R 01/08</u>	Not used
CTT06	355	Unit of Measurement Code	<u>C ID 02/02</u>	Not used
CTT07	352	Description	<u>O AN 01/80</u>	Not used

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TRANSACTION SET: 862 - Shipping Schedule

SEGMENT: SE - Transaction Set Trailer

LEVEL: Summary

MAX USAGE/LOOPS: 1/none

PURPOSE: To indicate the end of the transaction set and provide the count of the transmitted segments (including the Transaction Set Header (ST) and Trailer (SE) segments).

GENERAL:
INFORMATION: The number of included segments is the total of all segments used in the transaction set including the ST and SE segments.

The transaction set control number (SE02) in the trailer must match the transaction set control number (ST02) in the transaction set header segment (ST).

EXAMPLE: SE*56*891230001 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> Ford <u>FEATURES</u>	<u>COMMENTS</u>
SE01	96	Number of Included Segments	<u>M NO 01/06</u>	Count of all segments between and including the ST/SE pair.
SE02	329	Trans. Set Control Number	<u>M AN 04/09</u>	Same as corresponding ST02