

**FORD MOTOR COMPANY
IMPLEMENTATION GUIDELINES FOR EDI CONVENTIONS**

Document
Revision
03/07/94

Production Sequence transaction Set (866)

TABLE 1
DATA SEGMENT SEQUENCE

SEG ID.	TITLE	PAGE	USAGE		MAX FORD	LOOP/ USE	REPEAT
			ANSI	FORD			
ST	Transaction Set Header	866.2	M	M		1	
BSS	Beginning Segment - Shipping Schedule	866.3	M	M		1	
UIT	Unit Detail		O	N		1	
N1	Name	866.5	O	M		1	—N1/ >1
N2	Additional Name Information		O	N		1	┘
N3	Address Information	866.6	O	O		2	┘
N4	Geographic Location	866.7	O	O		1	┘
REF	Reference Numbers		O	N		12	┘
PER	Administrative Communications Contact	866.8	O	O		1	┘
FOB	F.O.B. Related Instructions		O	N		1	┘
DTM	Date/Time Reference	866.9	M	M		1	—DTM/100
UIT	Unit Detail	866.10	O	O		1	┘
QTY	Quantity	866.11	O	O		1	┘
REF	Reference	866.12	O	O		1	┘
LIN	Item Identification Detail	866.13	M	O		1	—LIN/>1
REF	Reference	866.14	O	O		1	┘
QTY	Quantity	866.15	O	O		1	┘
CTT	Transaction Totals	866.16	M	M		1	
SE	Transaction Set Trailer	866.17	M	M		1	

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

- "M" - Mandatory. These segments will appear in all Production Sequence transactions.
- "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.

Note: The data in DTM segment applies to all data in DTM loop. Whenever REF or QTY segment is used in LIN loop will override REF or QTY in DTM loop respectively.

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TRANSACTION SET: 866 - Production Sequence

SEGMENT: ST - Transaction Set Header

LEVEL: Header

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*866*893070001 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	M ID 03/03	Use "866"
ST02	329	Transaction Set	M AN 04/09A	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: 866 - Production Sequence
 SEGMENT: BSS - Beginning Segment Shipping Schedule
 LEVEL: Header
 MAX USAGE/LOOPS: 1/None
 PURPOSE: To indicate the beginning of a production sequence.

GENERAL INFORMATION: Element BSS04 defines whether shipment, delivery or broadcast dates are used.

EXAMPLE: BSS*05*8930700001*891103*SH*891105*891130*****A N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
BSS01	353	Transaction Set Purpose Code	<u>M ID 02/02</u> "00"=Original "03"=Delete "05"=Replace	
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> Not used	

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TRANSACTION SET: 866 - Production Sequence

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>	"A"= Actual Discrete Quantities "C"= Cumulative Quantities

Note: "A"= Actual Discrete Quantities used by KTP
"C"= Cumulative Quantities used by B&AO

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TRANSACTION SET: 866 - Production Sequence

SEGMENT: N1 - Name

LEVEL: Header

MAX USAGE/LOOPS: 1 per N1 loop/first segment of N1 loop

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

GENERAL

INFORMATION: The N1 segment is used to identify the ship-to and ship-from
 locations.

EXAMPLES: N1*ST**92*AP19A N/L
 N1*SF*SUPPLY CORP*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
N102	93	Name	<u>C AN 01/35</u>	Optional
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: 866 - Production Sequence
SEGMENT: N3 - Address Information
LEVEL: Header
MAX USAGE/LOOPS: 1 per N1 loop/third segment of N1 loop
PURPOSE: To specify the location of the named party.

GENERAL
INFORMATION: The N3 segment may be used to convey full address of the named party in the N1 segment. (Not used by KTP, or B&AO)

EXAMPLES: N3*6789 PIKE RD. N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> Ford <u>FEATURES</u>	<u>COMMENTS</u>
N301	166	Address Information	<u>M ID 01/35</u>	
N302	166	Address Information	<u>C AN 01/35</u>	Not used

Assembly Plant 866 Transaction
(Outside Supplier Format)

Record Flow

Transaction Set Header	866 ST	One record for each ship from/ship to combination
Beginning Segment for Production Sequence	866 BSS	One record for each ship from/ship to combination
Name	866 N1	One record for each ship from/ship to combination
Date/Time Reference	866 DTM	One record for each ship date within a ship from/ship to combination
Item Identification Detail	866 LIN	One record for each part number/order combination
Quantity	866 QTY	One record for each part number/order combination
Reference Number	866 REF	One record for each part number/order combination
Transaction Totals	866 CTT	One record for each ship from/ship to combination
Transaction Set Trailer	866 SE	One record for each ship from/ship to combination

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 SEGMENT: N4 - Geographic Location
 LEVEL: Header
 MAX USAGE/LOOPS: 1 per N1 loop/fourth segment of N1 loop
 PURPOSE: To specify geographic place of the named party.

GENERAL INFORMATION: The N4 segment may be used to convey full address of the named party in the N1 segment. (Not used by KTP, or B&AO)

EXAMPLES: N4*DAYTON*OH*45499 N/L (U.S.A.)
 N4*HAMILTON*ON*L8N 3T1*CD N/L (Canada)

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
N401	19	City Name	C AN 02/19	Required
N402	156	State or Province Code	C ID 02/02	Required
N403	116	Postal Code	O ID 05/09	Zip Code in U.S.A.
N404	26	Country Code	O AN 02/02	Not used if U.S.A.
N405	309	Location Qualifier	O ID 01/02	Not used
N406	310	Location Identifier	O AN 01/25	Not used

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence

SEGMENT: PER - Administrative Communications Contact

LEVEL: Header

MAX USAGE/LOOPS: 3 per N1 loop/sixth segment of N1 loop.

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

GENERAL

INFORMATION: This segment relates to interpersonal communications, not network or telecommunications contacts. It may be used to convey a contact person's name and telephone number for the ship-to location production sequence issuer and would be contained in the respective N1 loop. (Not used by KTP, or B&AO)

EXAMPLE: PER*BD*TUCKER N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> Ford <u>FEATURES</u>	<u>COMMENTS</u>
PER01	366	Contact Function Code	<u>M ID 02/02</u> "BD"=Buyer Name	"EX"=Expeditor "OC"=Order Contact "RD"=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> "TE"=Telephone Number	"IT"= International phone 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	

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 SEGMENT: DTM - Date/Time Reference
 LEVEL: Header
 MAX USAGE/LOOPS: 1 per DTM loop/first segment of DTM loop.
 PURPOSE: To specify pertinent dates and times.

GENERAL INFORMATION: The data in DTM segment applies to all data in DTM loop.

EXAMPLE: DTM*002*890811 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
DTM01	374	Date/Time Qualifier	<u>M ID 03/03</u> "002"=	Delivery Requested "010"= Ship Date
DTM02	373	Date	<u>C DT 06/06</u> YYMMDD	
DTM03	337	Time	<u>C TM 04/04</u> HHMM	
DTM04	623	Time Zone Qualifier	<u>O ID 02/02</u> Not used	

Note: "002"= Delivery Requested used by KTP
 "010"= Ship Date used by B&AO

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 SEGMENT: UIT - Unit Detail
 LEVEL: Header
 MAX USAGE/LOOPS: 1 per DTM loop/second segment of DTM loop.
 PURPOSE: To specify item unit data.

GENERAL INFORMATION: The data in UIT segment applies to all data in DTM loop.

EXAMPLE: UNT*PC N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> <u>Ford</u> <u>FEATURES</u>	<u>COMMENTS</u>
UIT01	355	Unit of Measurement	M ID 02/02	"PC"=Piece
UIT02	212	Unit Price	C R 01/14	Not used
UIT03	639	Basis of Unit Price Code	O ID 02/02	Not used

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 SEGMENT: QTY - Quantity
 LEVEL: Header
 MAX USAGE/LOOPS: 1 per DTM loop/third segment in DTM loop.
 PURPOSE: To specify quantity information.

GENERAL

INFORMATION: Used in this context to specify quantity requested for the following product items detailed (in LIN loop). The data in this QTY segment applies to all data in DTM loop. Whenever a QTY segment is used in LIN loop it will override this QTY segment used in the DTM loop.

EXAMPLE: QTY*01*1 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> Ford <u>FEATURES</u>	<u>COMMENTS</u>
QTY01	673	Quantity Qualifier	<u>M ID 02/02</u> "01"=Discrete Quantity	"02"= Cumulative Quantity
QTY02	380	Quantity	<u>M R 01/10</u>	
QTY03	355	Unit of Measure Code	<u>O ID 02/02</u> Not used. If	necessary, Unit of Measure should be in UIT segment.

Note: "01"= Discrete Quantities used by KTP
 "02"= Cumulative Quantities used by B&AO

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 SEGMENT: REF - Reference Number
 LEVEL: Header
 MAX USAGE/LOOPS: >1 per DTM loop/fourth segment of DTM loop.
 PURPOSE: To transmit identifying numbers.

GENERAL

INFORMATION: Used in this context to identify non-item related information such as assembly line feed. The data in this REF segment applies to all data in DTM loop. Whenever a REF segment is used in LIN loop with the same qualifier, it will override this REF segment used in the DTM loop.

EXAMPLES: REF*LF*1 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>	"LF" = Line Feed
REF02	127	Reference Number	<u>C AN 01/30</u>	Location code (Required)
REF03	352	Description	<u>C AN 01/80</u>	Not used

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 SEGMENT: LIN - Item Identification Detail
 LEVEL: Header
 MAX USAGE/LOOPS: 1 per LIN loop/first segment of LIN loop.
 PURPOSE: To specify basic item identification data.

GENERAL

INFORMATION: Used to identify customer information pertaining to production sequence usage of material. It uses FORD part numbers. Ford part numbers may consist of a prefix, base, suffix and control code. Any of these, except the base, may or may not be present. The portions of the part number are delimited by spaces.

EXAMPLES: LIN**BP*E6SP 7E39 AA 040 N/L (Part num with control code)
 LIN**BP* 7E396 AA 040 N/L (Part num without prefix)
 LIN**BP*E6SP 7E396 N/L (Part num with no pre or suff)
 LIN**BP*E9HT 6007 BC*MF*C916C*VV*697468432*JS*957L N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> Ford <u>FEATURES</u>	<u>COMMENTS</u>
LIN01	350	Assigned ID	O AN 01/06	Not used
LIN02	235	Product/Service ID Qualifier	M ID 02/02	"BP" = Buyer's (Ford) part number
LIN03	234	Product/Service ID	M AN 01/30	Ford part number
LIN04	235	Product/Service ID Qualifier	O ID 02/02	"MF" = Manufacturer
LIN05	234	Product/Service ID	C AN 02/30	May contain supplier code.
LIN06	235	Product/Service ID Qualifier	O ID 02/02	"VV" = Motor Vehicle ID Number
LIN07	234	Product/Service ID	C AN 02/30	
LIN08	235	Product/Service ID Qualifier	O ID 02/02	"JS" = Job Sequence
LIN09	234	Product/Service ID	C AN 02/30	Number

Assembly Plant 866 Transaction
(Outside Supplier Format)

Note: Elements LIN10 thru LIN31 are not used.

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 SEGMENT: REF - Reference Number
 LEVEL: Header
 MAX USAGE/LOOPS: >1 per LIN loop/second segment of LIN loop.
 PURPOSE: To transmit identifying numbers.

GENERAL INFORMATION: Used in this context to identify non-item related information such as assembly line feed. If REF is used in LIN loop, it overrides any REF used in DTM loop with the same qualifier.

EXAMPLES: REF*LF*1 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> Ford <u>FEATURES</u>	<u>COMMENTS</u>
REF01	128	Reference Number Qualifier	M ID 02/02	"AR"= Arrival Code "LF"= Line Feed "SS"= Shortage Status
REF02	127	Reference Number	C AN 01/30	Location code (Required)
REF03	352	Description	C AN 01/80	Not used

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 SEGMENT: QTY - Quantity
 LEVEL: Header
 MAX USAGE/LOOPS: 1 per LIN loop/last segment in LIN loop.
 PURPOSE: To specify quantity information.

GENERAL INFORMATION: Used in this context to specify quantity requested for the product items detailed in preceding LIN segment. If QTY is used in LIN loop, it overrides any QTY segment used in DTM loop.

EXAMPLE: QTY*01*1 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI Ford FEATURES</u>	<u>COMMENTS</u>
QTY01	673	Quantity Qualifier	<u>M ID 02/02</u> "01"=Discrete Quantity "02"= Cumulative Quantity	
QTY02	380	Quantity	<u>M R 01/10</u>	
QTY03	355	Unit of Measure Code	<u>O ID 02/02</u> Not used. If necessary, Unit of measure should be UIT segment.	

Note: "01"= Discrete Quantity used by KTP
 "02"= Cumulative Quantities used by B&AO

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence
 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 QTY02 elements.

EXAMPLE: CTT*14*9784530 N/L

<u>ELEM ID</u>	<u>ELEM#</u>	<u>NAME</u>	<u>ANSI</u> <u>Ford</u> <u>FEATURES</u>	<u>COMMENTS</u>
CTT01	354	Number of Line Items	<u>M NO 01/06</u>	Number of DTM segments
CTT02	347	Hash Totals	<u>O R 01/10</u>	Sum of quantities from QTY02s - 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

Assembly Plant 866 Transaction
(Outside Supplier Format)

TRANSACTION SET: 866 - Production Sequence

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