



Mazda North American Operations EDI Supplier Documentation November 5, 2020

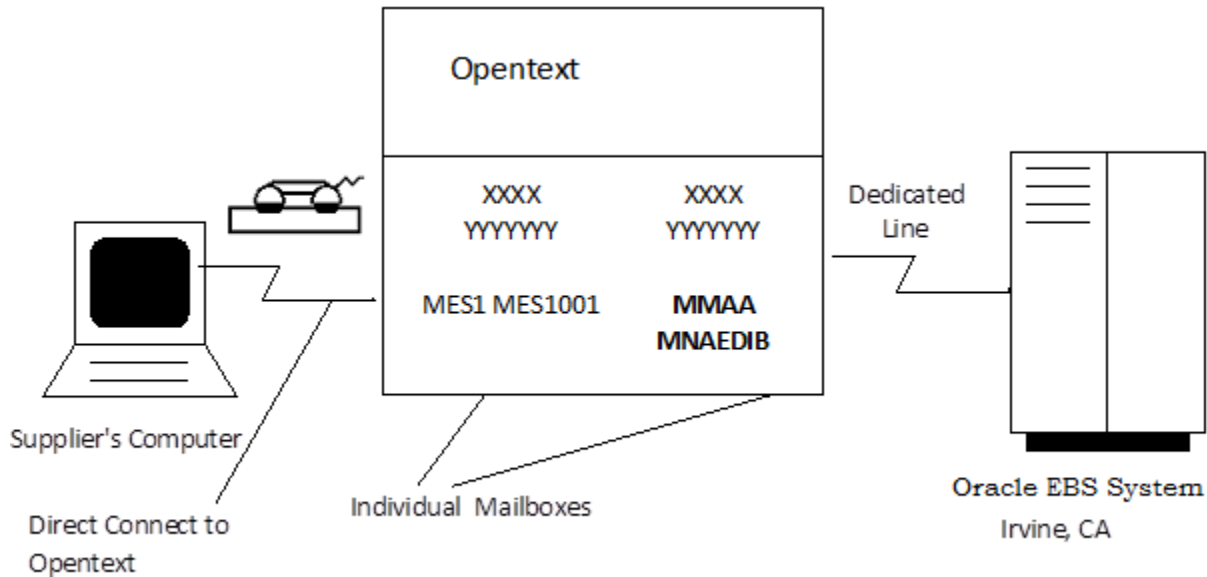
<i>Revision History</i>	
<i>Nov 5, 2020</i>	Added EDI 855 not in use
<i>Sept 9, 2020</i>	Updated Supplier Code references
<i>Aug 20, 2020</i>	Added EDI 855 Order Acknowledgement
<i>Apr 20, 2020</i>	Updated the ISA segment structure – Page 6,7,8,9
<i>Oct 16, 2018</i>	Updated with OpenText as VAN provider
<i>Oct 20, 2015</i>	Clarified usage of PRF segment - page 106 and REF*DO segment page 111
<i>Sept 21, 2015</i>	MNAO Does use an 810 transaction for suppliers authorized to ship direct to Dealers. Contact your EDI resources for more information.
<i>July 17, 2012</i>	Revised contact information
<i>Sept 26, 2011</i>	Clarified use of 2 digit or 5 digit ship-to-codes (830 changes shown on pages 48 & 52, 856 shown on pages 98 & 114)
<i>Aug 22, 2011</i>	Clarified that 824 are not currently used - page 40
<i>July 8, 2011</i>	Clarified DO number requirements in ASN transaction 856 on page 111
<i>Jan 29, 2010</i>	Clarified 856 (ASN) timing requirements – page 4
<i>Feb 27, 2009</i>	Deleted PRF segment from Segment Sequence Table page 99
<i>Oct 14, 2008</i>	Clarified definitions for CTT page 115
<i>Aug 18, 2008</i>	Revised sample 830 on page 48 to remove PO number in LIN segment. Revised 830 definitions on page 53
<i>Sept 13, 2007</i>	Revised 856 Segment BSN, Element 02, on page 101
<i>March 2006</i>	Merged separate files into this one document

Send questions to: MazdaEDISupport@mazdausa.com

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MNAO/Supplier Communications



STEPS SUPPLIER MUST TAKE TO GET ON-LINE WITH MNAO:

1. Obtain communication hardware and software.
2. Send an email to ecommreq@opentext.com to setup mailbox on OpenText.
3. MNAO communication information: (Be sure to change user id when you go live.)

Test
VAN - OpenText
Account - MMAA
User ID - MNAEDIT

Production
VAN - OpenText
Account - MMAA
User ID - MNAEDIB

4. E-mail your VAN information/Account/User-Id to MazdaEDISupport@mazdausa.com.
5. Test the 6 transaction sets (820, 824, 830, 850, 855, 856 and 861) with MNAO.

Transaction Processing

There will be six EDI transactions used by MNAO. All transactions are sent to the receiver's mailbox by the sender. The recipient then retrieves the message when ready to process the information. Figure 2.1 displays the data flow. MNAO sends the 820, 824, 830, 850 and the 861 transactions. The 855 and 856 is sent by the supplier. Functional acknowledgements will be sent for each transaction by MNAO and the suppliers.

Figure 2.1: Transaction Data Flow

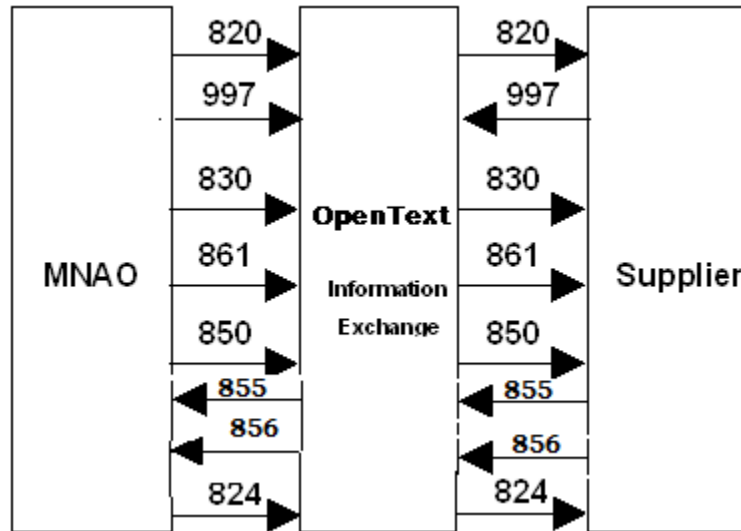
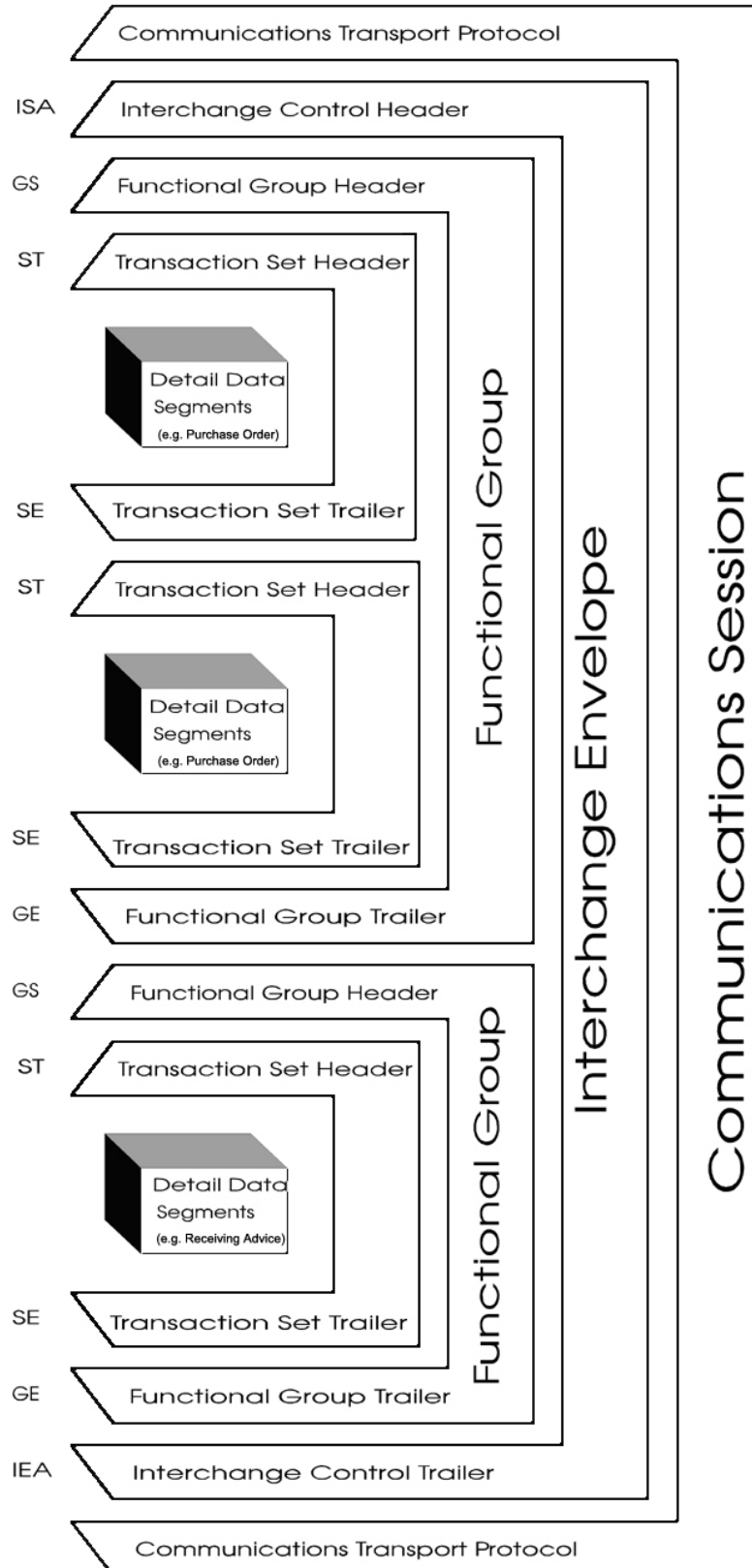


Figure 2.2: Required EDI message classes and transaction processing times.

Transaction Type	User Msg Class	Timing	Cycle
820: Remittance Advice		After payments are generated	Monthly
830: Material Release		Changes in material requirements or as requested by the user	Daily
850: Purchase Order		Changes in material requirements or as requested by the user	Daily
861: Receiving Advice		After receiving parts	Daily
855: Purchase Order Acknowledgement		Seller's acknowledgment of a buyer's purchase order	Daily
856: Advance Shipping Notice		ASN must be sent the day of shipment and must be received by Mazda at least one hour before delivery	Daily (as required by supplier to modify ASN)
824: Application Advice (Outbound)		Immediately following ASN update at MNAO	Daily (Application response to ASN processing errors)
997: Functional Acknowledgement		Immediately following the receipt of transaction	Daily

EDI Communications Structure



**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : All

Segment : ISA - Interchange Control Header

Level : N/A

Information : Indicates the start of an interchange of one or more functional groups, and interchange related control segments. Please make sure that all the three delimiters (element, sub-element & segment separators) are unique in the header.

Example : ISA*00* *00* *ZZ*MMAA^^^MNAEDIB*ZZ*MES1 MES1001
*940429*1609*U*00200*000256332*0*P*~\$

NOTE: ^ = blanks = 3 blanks between MMAA and MNAEDIB

Segment Delimiter in the example: \$

Element Delimiter in the example: *

Sub-element Delimiter in the example: ~

Element	Name	Use
01	Authorization Qualifier	Use "00"
02	Authorization Info	Use ten spaces.
03	Security Qualifier	Use "00"
04	Security Info	Use ten spaces.
05	Interchange ID Qualifier	Use "ZZ".
06	Interchange Sender ID	Mailbox Information
07	Interchange ID Qualifier	Use "ZZ"
08	Interchange Receiver ID	Mailbox Information
09	Date	Format: YYMMDD
10	Time	Format: HHMM 24 Hour Clock

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : All

Segment : ISA - Interchange Control Header

Level : N/A

Information : Indicates the start of an interchange of one or more functional groups, and interchange related control segments.

Example : `ISA*00* *00* *ZZ*MMAA^^^MNAEDIB*ZZ*MES1 MES1001
*940429*1609*U*00200*000256332*0*P~~$`

NOTE: ^ = blanks = 3 blanks between MMAA and MNAEDIB

Element	Name	Use
11	Interchange Standard	Use "U".
12	Interchange Version ID	Use "00200".
13	Interchange Control ID	Must be the same as number in the IEA-02 segment.
14	Acknowledge Requested	Use "0".
15	Test Indicator	Use "P".
16	Sub Element Separator	Must be different from Element Separator.

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : All

Segment : ISA - Interchange Control Header

Level : N/A

Information : Indicates the start of an interchange of one or more functional groups, and interchange related control segments. Please make sure that all the three delimiters (element, sub-element & segment separators) are unique in the header.

Example : ISA*00* *00* *ZZ*MMAA^^^MNAEDIB*ZZ*MES1 MES1001
*940429*1609*U*00200*000256332*0*P*~\$

NOTE: ^ = blanks = 3 blanks between MMAA and MNAEDIB

Segment Delimiter in the example: \$

Element Delimiter in the example: *

Sub-element Delimiter in the example: ~

Recommended delimiters are given below.

Character	Hex. ASCII
'	x92
,	x82
„	x84
`	x91
“	x93
”	x94
•	x95
–	x96
[x5B
.	x2E
<	x3C
(x28
+	x2B
!	x21
&	x26
]	x5D
\$	x24
*	x2A
)	x29
;	x3B

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : All

Segment : ISA - Interchange Control Header

Level : N/A

Information : Indicates the start of an interchange of one or more functional groups, and interchange related control segments. Please make sure that all the three delimiters (element, sub-element & segment separators) are unique in the header.

Example : ISA*00* *00* *ZZ*MMAA^^^MNAEDIB*ZZ*MES1 MES1001
*940429*1609*U*00200*000256332*0*P*~\$

NOTE: ^ = blanks = 3 blanks between MMAA and MNAEDIB

Segment Delimiter in the example: \$

Element Delimiter in the example: *

Sub-element Delimiter in the example: ~

Recommended delimiters are given below.

Character	Hex. ASCII
^	x5E
-	x2D
/	x2F
.	xB7
	x7C
,	x2C
%	x25
_	x5F
>	x3E
?	x3F
`	x60
:	x3A
#	x23
@	x40
'	x27
=	x3D
"	x22
~	x7E
{	x7B
}	x7D

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : All

Segment : GS - Functional Group Header

Level : N/A

Information : Indicates the start of a group of related transaction sets and provides control and application identification information.

Example : GS*PO*MMAA^MNAEDIB*MES1 MES1001* 940415*1735*000000001*X
*002001MNAOS

NOTE: ^ = blanks = 1 blank between MMAA and MNAEDIB

Element	Name	Use
01	Functional ID Qualifier	Use "RA" for 820 transaction. "AG" for 824 transaction. "PO" for 830 transaction. "PO" for 850 transaction. "PR" for 855 transaction. "SH" for 856 transaction. "SH" for 861 transaction. "FA" for 997 transaction.
02	Application Sender ID	Same as ISA Sender ID but with only 1 space
03	Application Receiver ID	Same as ISA Receiver ID
04	Date	Format: YYMMDD
05	Time	Format: HHMM 24 Hour Clock
06	Interchange Control Number	Sender assigned number - must match GE-02.
07	Responsible Agency Code	Use "X".
08	Version	Refer to individual EDI Implementation Guidelines for appropriate version

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : All

Segment : GE - Functional Group Trailer

Level : N/A

Information : Indicates the end of a group of related transaction sets and provides control and application identification information.

Example : GE*000002*000000001\$

Element	Name	Use
01	Number of Transaction Sets	Number of ST/SE pairs
02	Interchange Control Number	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : All

Segment : IEA - Interchange control Trailer

Level : N/A

Information : Indicates the end of an interchange of one or more functional groups, and interchange related control segments.

Example : IEA*00001*000253582\$

Element	Name	Use
01	Number of Groups	Number of GS/GE pairs included between ISA and this IEA.
02	Interchange Control Number	Must match ISA-13.

Mazda North American Operations
EDI Implementation Guidelines

820 – Remittance Advice Sample
(Version – 003040)

Transaction Format

Transaction Header

ST*820*000000001\$

BPR*I*+8909.69*C*CHK\$

TRN*3*000049871\$

CUR*SU*USD\$

N1*PR*MAZDA NORTH AMERICAN OPERATIONS*92*MNAO\$
N1*PE*VISTEON*92*P1786\$

PER*AP*ACCOUNTS PAYABLE*TE*313-777-8272\$

Detail Data

ENT*1\$

RMR*IV*017805**518.65*518.65\$

IIT1**550.0*EA*.943*PE\$

REF*PM*GA2A51710\$

RMT*IV*017815**8391.04*8391.04\$

IT1**850.0*EA*9.872*PE\$

REF*PM*GA2A51713\$

Transaction Trailer

SE*15*000000001\$

Interpretation

TRANSACTION SET 820 Remittance Advice
TRANSACTION SET CONTROL NO=000000001

TRANSACTION HANDLING CODE = "I" (INFORMATIONAL ONLY)
PAYMENT AMOUNT = 8909.69 (TWO DECIMAL POSITIONS)
CREDIT/DEBIT FLAG = "C" (CREDIT)
PAYMENT METHOD CODE="CHK"

"3" = FINANCIAL REASSOCIATION TRACE NUMBER – PAYMENT AND REMITTANCE ARE SEPARATE
UNIQUE REFERENCE NUMBER = 000049871

ENTITY = SUPPLIER, CURRENCY = US DOLLAR

PAYER = 'MNAO'
PAYEE = MNAO ASSIGNED SUPPLIER NUMBER

ACCOUNTS PAYABLE DEPARTMENT,
TELEPHONE – 313-777-8272

1=SINGLE ENTITY COMMUNICATION WITH SINGLE ENTITY

REMITTANCE RECEIVABLE = 'IV'
ASN NUMBER OR SELLERS INVOICE NUMBER = 017805
TOTAL PART AMOUNT = 518.65 (TWO DECIMAL POSITIONS)

ASN NUMBER = '017815'
QUANTITY INVOICED = '550.0'
UNIT OF MEASURE = 'EA'
UNIT PRICE = '.943'

PART NUMBER = 'GA2A51710'

REMITTANCE RECEIVABLE = 'IV'
ASN NUMBER OR CHARGE
TOTAL PART AMOUNT = 8391.04 (TWO DECIMAL POSITIONS)

ASN NUMBER = '017805'
QUANTITY INVOICED = 850.0'
UNIT OF MEASURE = 'EA'
UNIT PRICE = '9.872'

PART NUMBER = 'GA2A51713'

NUMBER OF INCLUDED SEGMENTS= 15
(FROM ST SEGMENT OT SE SEGMENT)
TRANSACTION SET CONTROL NO=00000001
(SAME AS THE NUMBER IN THE ST SEGMENT)

**Mazda North American Operations
EDI Implementation Guidelines**

Accounts Payable Transaction - 820

Required Data Segment Sequence Table

Seg ID	Title	Usage	Max Use	Loop/Repeat
ST	Transaction Set Header	M	1	
BPR	Beginning Segment - Remittance Advice	M	1	
NTE	Note/Special Instruction	F	>1	
TRN	Trace	O	1	
CUR	Currency	O	1	
N1	Name	O	1	N1-Begin/ 999999
N2	Additional Name Information	O	999999	
PER	Administrative Communications Contact	O	999999	N1-End/ 999999
ENT	Entity	O	1	ENT-Begin/ 999999
N1	Name	O	999999	
ADX	Adjustment	O	1	ADX-Begin/ 999999
NTE	Note/Special Instruction	O	>1	
DTM	Date/Time Reference	O	1	
REF	Reference Numbers	O	1	REF-Begin/ 999999
DTM	Date/Time Reference	O	999999	REF-End/ 999999
IT1	Baseline Item Data	O	1	IT1-Begin/ 999999
REF	Reference Numbers	O	1	REF-Begin/ 999999
DTM	Date/Time Reference	O	1	REF-End/ 999999
SLN	Subline Item Detail	O	999999	IT1-End/ 999999 ADX-End/ 999999
RMR	Remittance Advice	O	1	RMR- Begin/ 999999
REF	Reference Numbers	O	999999	

**Mazda North American Operations
EDI Implementation Guidelines**

Seg ID	Title	Usage	Max Use	Loop/ Repeat
DTM	Date/Time Reference	O	999999	
IT1	Baseline Item Data (Invoice)	O	1	IT1-Begin/ 999999
REF	Reference Numbers	O	1	REF-Begin/ 999999
DTM	Date/Time Reference	O	1	REF-End/ 999999 IT1-End/ 999999 RMR-End/ 999999 ENT-End/ 999999
SE	Transaction Set Trailer	M	1	

Usage: M – Mandatory
O - Optional (as needed)

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Accounts Payable - 820

Segment : ST - Transaction Set Header

Level : Header

Information : Indicates the start of the transaction set and assigns a control number. The ST control number must match the control number in the transaction set trailer SE segment.

Example : ST*820*000000001\$

Element	Name	Features	Use
01	Transaction Set ID	M ID 03/03	Use "820"
02	Transaction Set Control Number	M AN 04/09	A unique number assigned to each transaction set within a functional group. This number must match the SE segment control number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : BPR - Beginning Segment Remittance Advice

Level : Header

Information : Indicates total payment amount and payment method.

Example : BPR*I*+8909.69*C*CHK\$

Element	Name	Features	Use
01	Transaction Handling Code	M ID 01/01	Code designation the action to be taken by all parties ANSI-X12 list of values allowed
02	Monetary Amount	M R 01/15	Two Decimal Positions
03	Credit/Debit Flag	M ID 01/01	Code indicating whether amount is a credit or debit
04	Payment Method Code	M ID 03/03	Code identifying the method for the movement of payment instructions

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : NTE – Note/Special Instruction

Level : Header

Information : To transmit information in a free-form format,if necessary, for comment or special instruction

Example : NTE*ZZZ*PLEASE NOTE ADJUSTMENTS DUE TO PRICE CHANGE\$

Element	Name	Features	Use
01	Note Reference Code	O ID 03/03	ANSI-X12 list of values allowed for entity identifier
02	Free Form Message	M AN 01/60	Free-form text

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : TRN - Trace

Level : Header

Information : To uniquely identify a transaction to an application

Example : TRN*3*000294342\$

Element	Name	Features	Use
01	Trace Type Code	M ID 01/02	ANSI-X12 list of values allowed for entity identifier
02	Reference Number	M AN 01/30	Reference Number or identification number as defined for a particular transaction set

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : CUR - Currency

Level : Header

Information : Indicates payment currency

Example : CUR*SU*USD\$

Element	Name	Features	Use
01	Entity identifier code	M ID 02/02	ANSI-X12 list of values allowed for entity identifier
02	Currency Code	M ID 03/03	ANSI-X12 list of values allowed for currency codes

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : N1 - Name

Level : Header

Information : Used to identify parties associated with the shipment.

Example : N1*PR*MAZDA NORTH AMERICAN OPERATIONS*92*MNAO\$
N1*PE*VISTEON*92*P1786\$

Element	Name	Features	Use
01	Identifier	M ID 02/02	"PR" = Payer (header) "PE" = Payee (header)
02	Name	M AN 01/35	Free-form name
03	ID Code Qualifier	M ID 01/02	Use "92".
04	ID Code	M AN 02/17	Code of Payer and Payee Example: "PR" = MNAO - payer "PE" = P1786 - payee

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : N2 – Additional Name Information

Level : Header

Information : To specify additional names or those longer than 35 characters in length.

Example : N2*CENTRAL ACCOUNTING SERVICES\$

Element	Name	Features	Use
01	Identifier	M AN 01/35	Free-form name

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : PER – Administrative Communications Contact

Level : Header

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

Example : PER*AP*ACCOUNTS PAYABLE*TE*313-777-8272\$

Element	Name	Features	Use
01	Contact Function Code	M ID 02/02	Code identifying the major duty or responsibility of the person or group named
02	Name	O AN 01/35	Free-form Name
03	Communications Number Qualifier	M ID 02/02	Code identifying the type of communication number
04	Communication Number	M AN 01/80	Complete communications number including country or area code when applicable

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : ENT – Entity

Level : Detail

Information : To designate entities which are parties to a transaction and specify a reference meaningful to those entities

Example : ENT*1\$

Element	Name	Features	Use
01	Assigned Number	M NO 01/06	

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Accounts Payable - 820

Segment : N1 - Name

Level : Detail

Information : Used to identify parties associated with the shipment.

Example : N1*PR*MAZDA NORTH AMERICAN OPERATIONS*92*MNAO\$
N1*PE*VISTEON*92*P1786\$

Element	Name	Features	Use
01	Identifier	M ID 02/02	ANSI-X12 list of values allowed
02	Name	M AN 01/35	Free-form name

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : ADX - Adjustment

Level : Detail

Information : To convey accounts payable adjustment information for the purpose of cash application, including payer generated debit/credit memo's.

Example : ADX*366.80*01*CM*045441\$

Element	Name	Features	Use
01	Monetary Amount	M R 01/15	Specifies the amount of the adjustment and must be signed if negative. If negative, reduces the payment amount; if positive increases the payment amount Code indicating reason for credit memo, or adjustment to invoice, credit memo or payment. ANSI-X12 list of values allowed Code qualifying the reference number Reference Number or identifying number as defined for a particular transaction set
02	Adjustment Reason Code	M ID 02/02	
03	Reference Number Qualifier	O ID 02/02	
04	Reference Number	O AN 01/30	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : NTE – Note/Special Instruction

Level : Detail

Information : To transmit information in a free-form format,if necessary, for comment or special instruction

Example : NTE*ZZZ*PLEASE NOTE ADJUSTMENTS DUE TO PRICE CHANGES

Element	Name	Features	Use
01	Note Reference Code	O ID 03/03	ANSI-X12 list of values allowed
02	Free Form Message	M AN 01/60	Free-form text

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Accounts Payable - 820

Segment : DTM – Date/Time Reference

Level : Detail

Information : To specify pertinent dates and times. The first occurrence of the DTM is to convey the date of the adjustment (ADX) document specified in the previous Reference Number (ADX04) element.

Example : DTM*003*010203\$

Element	Name	Features	Use
01	Date/Time Qualifier	M ID 03/03	ANSI-X12 list of values allowed
02	Date	M DT 06/06	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : REF – Reference Numbers

Level : Detail

Information : To specify identifying numbers. This REF segment contains ancillary reference numbers that relate to the preceding ADX segment.

Example : REF*SI*018920\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	ANSI-X12 list of values
02	Reference Number	M AN 01/30	

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Accounts Payable - 820

Segment : DTM – Date/Time Reference

Level : Detail

Information : To specify pertinent dates and times. The first occurrence of the DTM is to convey the date of the ancillary document specified in the preceding REF02 element.

Example : DTM*003*010203\$

Element	Name	Features	Use
01	Date/Time Qualifier	M ID 03/03	ANSI-X12 list of values allowed
02	Date	M DT 06/06	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : IT1 – Baseline Item Data

Level : Detail

Information : To specify the basic and most frequently used line item data for the invoice related transactions

Example : IT1**150.00*EA*7.123456\$

Element	Name	Features	Use
01	Not Used		
02	Quantity Invoiced	M R 01/10	Number of units invoiced
03	Unit or Basis for Measurement Code	M ID 02/02	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
04	Unit Price	M R 01/14	Price per unit of product, service, commodity, etc
05	Basis of Unit Price Code	O ID 02/02	ANSI-X12 list of values allowed

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : REF – Reference Numbers

Level : Detail

Information : To specify identifying numbers. This REF segment contains reference numbers that relate to the preceding IT1 segment.

Example : REF*PM*F3HS2209BGA\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	ANSI-X12 list of values
02	Reference Number	M AN 01/30	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : DTM – Date/Time Reference

Level : Detail

Information : To specify pertinent dates and times. This segment contains data that relate to the preceding IT1.

Example : DTM*003*010203\$

Element	Name	Features	Use
01	Date/Time Qualifier	M ID 03/03	ANSI-X12 list of values allowed
02	Date	M DT 06/06	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : SLN – Subline Item Detail

Level : Detail

Information : To specify pertinent subline detail item data

Example : SLN*001**D*30*7.123456*LR\$
SLN*002**A*30*7.234567*CP\$

Element	Name	Features	Use
01	Assigned Identification	M AN 01/11	Alphanumeric characters assigned for differentiation within a transaction set
03	Configuration Code	M ID 01/01	Code indicating the relationship of the subline item to the baseline item ANSI-X12 list of values allowed
04	Quantity	M R 01/15	Numeric value of quantity
05	Unit or Basis for Measurement Code	M ID 02/02	Code specifying the units in which a value is being expressed, or manner in which measurement has been taken. ANSI-X12 list of values allowed
06	Unit Price	O R 01/14	Price per unit of product, service, commodity, etc
07	Basis of Unit Price Code	O ID 02/02	Code identifying the type of unit price for an item ANSI-X12 list of values allowed

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : RMR - Remittance Advice Accounts Receivable Open Item
Reference

Level : Detail

Information : To specify the accounts receivable open items to be included in the
cash application and to convey the appropriate detail

Example : RMR*IV*017805**518.65*518.65\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	ANSI-X12 list of values allowed
02	Reference Number	M AN 01/30	ASN Number or other reference
03	Payment Action Code	O ID 02/02	Code specifying the type of accounts receivable open item to be included in a cash application
04	Monetary Amount	M R 01/15	Net Amount being paid
05	Total Invoice Amount	M R 01/15	Total Invoice Amount
06	Discount Amount	O R 01/15	Amount of Discount Taken

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : REF – Reference Numbers

Level : Detail

Information : To specify identifying numbers. This REF segment contains ancillary reference numbers that relate to the preceding RMR segment.

Example : REF*TN*12F3HS2209BGA\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	ANSI-X12 list of values
02	Reference Number	M AN 01/30	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : DTM – Date/Time Reference

Level : Detail

Information : To specify pertinent dates and times. This DTM segment is for invoice level information. The first occurrence of this DTM is to convey the date of the primary document type specified in RMR02 element.

Example : DTM*003*010203\$

Element	Name	Features	Use
01	Date/Time Qualifier	M ID 03/03	ANSI-X12 list of values allowed
02	Date	M DT 06/06	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : IT1 – Baseline Item Data (Invoice)

Level : Detail

Information : To specify the basic and most frequently used line item data for the invoice related transactions. Loop IT1 within the RMR loop is the remittance line item detail loop. This segment identifies each line item being paid.

Example : IT1**150.00*EA*7.123456\$

Element	Name	Features	Use
01	Not Used		
02	Quantity Invoiced	M R 01/10	Number of units invoiced
03	Unit or Basis for Measurement Code	M ID 02/02	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
04	Unit Price	M R 01/14	Price per unit of product, service, commodity, etc
05	Basis of Unit Price Code	O ID 02/02	ANSI-X12 list of values allowed

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : REF – Reference Numbers

Level : Detail

Information : To specify identifying numbers. This REF segment contains reference numbers that relate to the preceding IT1 segment.

Example : REF*PM*F3HS2209BGA\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	ANSI-X12 list of values
02	Reference Number	M AN 01/30	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Accounts Payable - 820

Segment : DTM – Date/Time Reference

Level : Detail

Information : To specify pertinent dates and times. This segment contains data that relate to the preceding IT1.

Example : DTM*003*010203\$

Element	Name	Features	Use
01	Date/Time Qualifier	M ID 03/03	ANSI-X12 list of values allowed
02	Date	M DT 06/06	

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Accounts Payable - 820

Segment : SE - Transaction Set Trailer

Level : Trailer

Information : Used to indicate the end of the transaction set and provide the count of the transmitted segments.

Example : SE*15*000000001\$

Element	Name	Use
01	Number of segments	Actual number of segments.
02	Transaction Set Control	Same number in the ST segment.

824 – Application Advice – not in use

Sample (Outbound) (Version – 003010)

**NOTE: NOT CURRENTLY IN USE BY MAZDA
(WITH NO PLANS TO IMPLEMENT)**

Transaction Format

Transaction Header

ST*824*000000001\$

BGN*00*9707011039*950207*1345\$

Detail Data

OTI*TR*SI*02JC07*****856\$

REF*BP* GA2A51710\$

REF*PO*111839

TED*ZZZ*PURCHASE ORDER INVALID\$

Transaction Trailer

SE*7*000000001\$

Interpretation

TRANSACTION SET 824 Remittance Advice
TRANSACTION SET CONTROL NO=000000001

TRANSACTION SET PURPOSE CODE
00 - ORIGINAL
9707011039 - REFERENCE NO
950207 - TRANS DATE
1345 - TRANS TIME

ORIGINAL TRANSACTION IDENTIFICATION
APPLICATION ACKNOWLEDGMENT CODE
TE – ACCEPT WITH ERROR
TR - REJECT
REFERENCE NUMBER QUALIFIER
SI - SHIPPER ID
REFERENCE NUMBER
02JC07 - ASN NUMBER
TRANSACTION SET IDENTIFIER CODE
856 - ASN

IDENTIFYING NUMBERS
BP – PART NUMBER
GA2A51710 - PART NUMBER
PO- PURCHASE ORDER
111839 – PO NUMBER

TECHNICAL ERROR DESCRIPTION
ZZZ - MUTUALLY DEFINED
PURCHASE ORDER INVALID – ERR DESC

NUMBER OF INCLUDED SEGMENTS= 7
(FROM ST SEGMENT TO SE SEGMENT)
TRANSACTION SET CONTROL NO=00000001
(SAME AS THE NUMBER IN THE ST SEGMENT)

**Mazda North American Operations
EDI Implementation Guidelines**

Application Advice Transaction - 824

Required Data Segment Sequence Table

Seg ID	Title	Usage	Max Use	Loop/ Repeat
ST	Transaction Set Header	M	1	
BGN	Beginning Segment – Application Advice	M	1	
OTI	Original Transaction ID	M	1	OTI-Begin/ 10,000
REF	Date/Time Reference	O	12	
TED	Technical Error Description	M	1	TED/ 10,000 OTI-End/ 10,000
SE	Transaction Set Trailer	M	M	

Usage: M - Mandatory
O - Optional (as needed)

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Application Advice - 824

Segment : ST - Transaction Set Header

Level : Header

Information : Indicates the start of the transaction set and assigns a control number. The ST control number must match the control number in the transaction set trailer SE segment.

Example : ST*824*000000001\$

Element	Name	Features	Use
01	Transaction Set ID	M ID 03/03	Use "824"
02	Transaction Set Control Number	M AN 04/09	A unique number assigned to each transaction set within a functional group. This number must match the SE segment control number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Application Advice - 824

Segment : BGN - Beginning Segment Application Advice

Level : Header

Information : Indicates identifying numbers, date and time related to the transaction set.

Example : BGN*00*9707011039*950207*1345\$

Element	Name	Features	Use
01	Transaction Code	M ID 02/02	'00' = Response
02	Reference Number	M AN 01/30	Unique Reference Number
03	Date	M DT 06/06	"950207" = 824 Creation Date
04	Time	M TM 04/04	"1345" = 824 Creation Time

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Application Advice - 824

Segment : OTI - Original Transaction Identification

Level : Detail

Information : Used to identify transaction information.

Example : OTI*TR*SI*02JC07*****856\$

Element	Name	Features	Use
01	Application Ack. Code	M ID 01/01	"TE" = Accept with Error "TR" = Reject with Error
02	Reference Qualifier	M ID 02/02	ANSI-X12 list of values allowed
03	Reference Number	M AN 01/30	"02JC07" = ASN Number or any other reference number
10	Transaction Set ID	M ID 03/03	"856" = Advance Shipping Notice

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Application Advice - 824

Segment : REF – Reference Numbers

Level : Detail

Information : Used to transmit identifying numbers.

Example : REF*BP* GA2A51710\$
REF*PO*111839

Element	Name	Features	Use
01 02	Reference Qualifier Reference Number	M ID 02/02 M AN 01/30	ANSI-X12 list of values allowed Part Number/ PO Number/DO Number or any other reference number

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Application Advice - 824

Segment : TED - Technical Error Description

Level : Detail

Information : Identifies erroneous element.

Example : TED*ZZZ*PURCHASE ORDER INVALID\$

Element	Name	Features	Use
01	Application Error Code	M ID 02/02	ANSI-X12 list of values allowed
02	Error Message	M AN 01/60	Error Description

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Application Advice - 824

Segment : SE - Transaction Set Trailer

Level : Trailer

Information : Used to indicate the end of the transaction set and provide the count of the transmitted segments.

Example : SE*12*1019\$

Element	Name	Features	Use
01	Number of segments	M NO 01/06	Actual number of segments.
02	Transaction Set Control	M AN 04/09	Same number in the ST segment.

830 – Material Release

Sample

(Version – 002001MNAO)

Transaction Format

Transaction Header

ST*830*000000001\$

BFR*05**0523**DL*A*940523*941002*940513\$

N1*ST**92*CH\$

N1*SF**92*P1795\$

NTE~GEN~Terms and conditions apply. Visit: suppliers.mazdausa.com

Detail Data

LIN**BP*GA2E68520D78\$

UNT*EAS

PER*EX*EMILY P~TE~734-782-8778\$

SDP*Y*Y\$

FST*1350*A*D*940523****DO*111786019\$

FST*1368*C*D*940524****DO*111786022\$

FST*1404*D*D*940603\$

FST*1440*D*D*940612\$

FST*1476*D*D*940620\$

FST*1512*D*D*940623\$

FST*1567*D*F*940711*940731\$

FST*1729*D*F*940801*940904\$

FST*1819*D*F*940905*941002\$

SHP*01*10*050*940511\$

REF*SI*12KP01

SHP*02*1224*050*931001**940511\$

Transaction Trailer

CTT*01*13665\$

SE*000022*000000001\$

Interpretation

TRANSACTION SET 830
 TRANSACTION SET CONTROL, NO=000000001

TRANSACTION PURPOSE=05 (REPLACE)
 RELEASE NO=0523
 FORCAST TYPE = DL
 FORCAST QUANTITY=A (Actual Discrete Quantities)
 HORIZON START =940523
 HORIZON END =941002
 ISSUE DATE =940513

SHIP-TO = CH

SHIP-FROM=P1795

Note/Special Instruction = Terms and conditions apply.
 Visit: suppliers.mazdausa.com

PART NO=GA2E68520D78
 NOTE: NO PURCHASE ORDER NO

UNIT OF MEASURE=EA (EACH)

NO SHIPMENT/DELIVERY PATTERN FOR PLANNING QTY

	05/23 EMERGENCY QTY	=1350 (NET)
	05/24 FIRM QTY	=1368
LOOP	06/03 PLANNED QTY	=1404
	06/12	=1440
	06/20	=1476
	06/23	=1512

NOTE: A = EMERGENCY (FIRM)
 C = FIRM
 D = PLAN

PLANNED NET QTY FROM 940711 THRU 940731 = 1567
 PLANNED NET QTY FROM 940801 THRU 940904 = 1729
 PLANNED NET QTY FROM 940905 THRU 941002 = 1819

LAST SHIPMENT RECEIVED FOR 10 UNITS SHIPPED ON
 940511.

LAST SHIPMENT RECEIVED = 12KP01

CUM RECEIVED FROM 931001 THRU 940511 =1224

NUMBER OF LIN SEGMENT = 01
 NUMBER OF INCLUDED SEGMENT = 000022
 TRANSACTION SET CONTROL NO=0001

**Mazda North American Operations
EDI Implementation Guidelines**

Material Release Transaction - 830

Required Data Segment Sequence Table

Seg ID	Title	Usage	Max Use	Loop/ Repeat
ST	Transaction Set Header	M	1	
BFR	Beginning Segment - Planning Schedule	M	1	
N1	Name	M	1	N1/ 200
NTE (effective Nov 16 2018)	Note/Special Instructions	F	100	
LIN	Item Identification Detail	M	1	LIN-Begin/ 10,000
UNT	Unit of Measure	M	1	
PER	Administrative Contact Person	O	3	
SDP	Ship/Delivery Pattern	M	1	SDP-Begin/ 104
NTE	Note/Special Instructions	F	100	
FST	Forecast Schedule	M	104	SDP-End/ 104
ATH	Resource Authorization	O	20	
SHP	Shipped/Received Info.	O	1	SHP-Begin/ 25
REF	Reference	O	5	SHP-End/ 25 LIN-End/ 10,000
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	

Usage: M - Mandatory
O - Optional (as needed)
F – Floating (as needed)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : ST - Transaction Set Header

Level : Header

Information : Indicates the start of the transaction set and assigns a control number. The ST control number must match the control number in the transaction set trailer SE segment.

Example : ST*830*000000001\$

Element	Name	Features	Use
01	Transaction Set ID	M ID 03/03	Use "830"
02	Transaction Set Control Number	M AN 04/09	A unique number assigned to each transaction set within a functional group. This number must match the SE segment control number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : BFR - Beginning Segment Planning Schedule

Level : Header

Information : Indicates the time frame of the shipping schedule.

Example : BFR*05**89*DL*A*940509*941002*940429\$

Element	Name	Features	Use
01	Purpose Code	M ID 02/02	05 = Original (Normal) 00 = First Release after CUM Reset Not Used.
02	Forecast order number		
03	Release Number	M AN 01/30	Release Number
04	Forecast Type	M ID 02/02	"SH" - Shipment based "DL" - Delivery based
05	Forecast Quantity Qualifier	M ID 01/01	"A" - Net "C" - Cumulative
06	Horizon Start Date	M DT 06/06	Format: YYMMDD
07	Horizon End Date	M DT 06/06	Format: YYMMDD
08	Issue Date	M DT 06/06	Format: YYMMDD

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : N1 - Name

Level : Header

Information : Used to identify parties associated with the shipment. The ship-from and ship-to segments are mandatory.

Example : N1*ST**92*CH\$
N1*Sf**92*P1795\$

Element	Name	Features	Use
01	Identifier	M ID 02/02	"ST" = Ship-To Location "SF" = Ship-From Location "BT" = Bill-To Location "IC" = Intermediate Consignee
02			Not Used
03	ID Code Qualifier	M AN 01/02	Use "92".
04	ID Code	M ID 02/05	Will contain MNAO assigned code

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : NTE - Note/Special Instructions

Level : Detail

Information : Used to specify engineering changes and other pertinent information.

Example : NTE*GEN*Terms and conditions apply. Visit:
suppliers.mazdausa.com

Element	Name	Features	Use
01	Constant	O ID 03/03	Will contain "GEN" when used at a heading level
02	Freeform Message	M AN 01/60	Terms and conditions apply. Visit: suppliers.mazdausa.com

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : LIN - Item Identification Detail

Level : Detail

Information : Used to specify basic item identification data.

Example : LIN**BP*GA2E68520D78*PO*111786\$

Element	Name	Features	Use
01			Not used.
02	Product/Service Identifier	M ID 02/02	"BP" - Part number
03	Product/Service ID	M AN 01/30	Actual part number.
04			NOT USED
05			NOT USED
06	Product/Service Identifier	O ID 02/02	May contain "EP"
07	Product/Service ID	O AN 01/30	May contain a Mazda part number if Element 03 contains a Ford part number. Only applicable to Ford orders.

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Material Release - 830

Segment : UNT- Unit of Measure

Level : Detail

Information : Used to specify item unit data.

Example : UNT*EA\$

Element	Name	Features	Use
01	Unit of Measurement	M ID 02/02	A code from ANSI Unit of Measure Table

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : PER - Administrative Communications Contact

Level : Detail

Information : To identify a person to whom administrative communications should be directed.

Example : PER*EX*EMILY P~TE~734-782-8778\$

Element	Name	Features	Use
01	Contact Function Code	M ID 02/02	"EX" – General Office Expeditor
02	Name	O AN 01/35	Contact Name
03	Communication Number Qualifier	O ID 02/02	May contain "TE". MNAO contact number follows.
04	Communication Number	O AN 07/21	May contain MNAO's contact number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : SDP - Ship/Delivery Pattern

Level : Detail

Information : Used to specify ship/delivery requirements. MNAO does not specify these requirements in the 830.

Example : SDP*Y*Y\$

Element	Name	Features	Use
01	Ship/Delivery Pattern	M ID 01/02	"Y" used.
02	Ship/Delivery Pattern Time	M ID 01/01	"Y" used.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : NTE - Note/Special Instructions

Level : Detail

Information : Used to specify engineering changes and other pertinent information.

Example : NTE*LIN*111786019

Element	Name	Features	Use
01	Constant	O ID 03/03	Will contain "GEN" when used at a heading level or "LIN" when used at a detail level. May be used transmit DO number.
02	Freeform Message	M AN 01/60	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : FST - Forecast Schedule

Level : Detail

Information : Used to specify the forecast dates and quantities (both firm and planned).

Example : FST*1350*A*D*940523****DO*111786019\$
 FST*1368*C*D*940524****DO*111786022\$
 FST*1404*D*D*940603\$
 FST*1567*D*F*940711*940731\$

Element	Name	Features	Use
01	Quantity	M R 01/10	Net or Cumulative Quantity
02	Forecast Qualifier	M ID 01/01	"A" – Immediate "C" – Firm "D" – Planned
03	Forecast Timing Qualifier	M ID 01/01	"D" – Discrete "W" – Weekly "F" – Flexible
04	Starting Date	M DT 06/06	If weekly – week starting date If discrete – specific date If Flexible – period beginning date
05	Ending Date	O DT 06/06	Only used for Flexible Intervals – period ending date
08	Reference Number Qualifier	O ID 02/02	May contain "DO"
09	Reference Number	O AN 01/30	May contain Delivery Order Number for Immediate or Firm Orders

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : SHP - Shipped/Received Information

Level : Detail

Information : Used to specify resource authorization in the planning schedule.

Example : SHP*01*10~050~940511\$
SHP*02*1224*050*931001**940511\$

Element	Name	Features	Use
01	Quantity Qualifier	O ID 02/02	"01" - Discrete quantity "02" - Cumulative quantity
02	Quantity	O R 01/10	Net/Cum quantity received
03	Date Qualifier	O ID 03/03	"011" or "050" or "051" used
04	Date	O DT 06/06	Receive Date/ Cum Start Date - Format: YYMMDD
06	Date	O DT 06/06	If present will contain date of last shipment received

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : ATH – Resource Authorization

Level : Detail

Information : To specify resource authorization in the planning schedule.

Example : ATH*FI*890401*56000**880801\$
ATH*MT*890501*60000**880801\$

Element	Name	Features	Use
01	Resource Auth Qualifier	M ID 02/02	“FI” = Fabrication “MT” = Raw Material
02	Date	M DT 06/06	Cumulative Quantity Ending Date
03	Quantity	M R 01/10	Cumulative Quantity Authorized through date in ATH02
05	Date	M DT 06/06	Cumulative Quantity Start Date

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : REF – Reference Number

Level : Detail

Information : To transmit identifying numbers associated with the named party

Example : REF*SI*72396\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	“SI” – Shipment Identification number
02	Reference Number	M AN 01/30	Contains shipment identification Number

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Material Release - 830

Segment : CTT - Transaction Totals

Level : Trailer

Information : Used to specify transaction totals.

Example : CTT*1*13665\$

Element	Name	Features	Use
01	Number of line items	M NO 01/06	Total number of LIN segments
02	Quantity Hash Totals	M R 01/10	Hash total of quantities released

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Material Release - 830

Segment : SE - Transaction Set Trailer

Level : Trailer

Information : Used to indicate the end of the transaction set and provide the count of the transmitted segments.

Example : SE*000387*000000001\$

Element	Name	Features	Use
01	Number of segments	M NO 01/06	Actual number of segments.
02	Transaction Set Control	M AN 04/09	Same number in the ST segment.

850 – Purchase Order Transaction

Sample (Version – 002001MNAO)

Transaction Format

Transaction Header

ST*850*000000001\$

BEG*00*SA*110786***940513\$

NTE~GEN~Terms and conditions apply. Visit: suppliers.mazdausa.com

NTE*INV*NONE
NTE*PMT*NONE

PER*EX*DEANNE MOSCROP*949-727-XXXX

N1*BY*MAZDA NORTH AMERICAN OPERATIONS*92*MNAO\$
N3*7755 IRVINE CENTER DRIVE* PO BOX 19734\$
N4*IRVINE,CALIFORNIA\$

N1*SU*TRW AUTOMOTIVE*92*11731\$
N3*12000 TECH CENTER DR\$
N4*LIVONIA, MI 48150\$

Detail Data

PO1*001*20*EA*140.84**BP*GA2A82939\$

CUR*BY*USDS

PID*F***NONES

N1*ST**00321\$

REF~DO~112700001

SCH*20*EA****002*000104\$

LOOP

Interpretation

TRANSACTION SET 850
TRANSACTION SET CONTROL, NO=000000001

TRANSACTION PURPOSE=00 (ORIGINAL)
STAND ALONE PURCHASE ORDER ("SA")
PURCHASE ORDER NUMBER = 110786
PURCHASE ORDER DATE = 940513

Note/Special Instruction = Terms and conditions apply.
Visit: suppliers.mazdausa.com

NO INVOICE INSTRUCTIONS
NO PAYMENT INSTRUCTIONS

EXPEDITOR NAME AND TEL NUMBER

BUYING PARTY NAME AND CODE
BUYING PARTY ADDRESS

SUPPLIER NAME AND CODE
SUPPLIER ADDRESS

PO LINE NUMBER = 001
QTY = 20, UNIT PRICE = 140.84
BUYER PART NUMBER = GA2A82939

CURRENCY OF BUYER = USD

NO FREE FORMAT PART DESCRIPTION

SHIP-TO CODE = 00321

DELIVERY ORDER NUMBER = 11270001

DELIVERY REQUESTED FOR LINE ITEM ON 000104

Transaction Trailer

CTT*01*20\$
SE*000019*000000001\$

NUMBER OF LIN SEGMENT = 01
NUMBER OF INCLUDED SEGMENT = 000019
TRANSACTION SET CONTROL NO=0001

**Mazda North American Operations
EDI Implementation Guidelines**

Material Release - 850

Required Data Segment Sequence Table

Seg ID	Title	Usage	Max Use	Loop/ Repeat
ST	Transaction Set Header	M	1	
BEG	Beginning Segment – Purchase Order	M	1	
NTE	Header Notes	O	100	
REF	Reference Numbers	O	12	
PER	Administrative Communications	O	3	
TAX	Sales Tax Reference	O	1	
FOB	FOB Related Instructions	O	1	
N1	Name	O	1	N1-Begin/200
N2	Additional Name Information	O	2	
N3	Address Information	O	2	
N4	Geographic Information	O	1	
PER	Administrative Communications	O	3	N1-End/200
ITA	Allowance, Charge or Service	O	10	
ITD	Terms of Sale	O	2	
DTM	Date/Time Reference	O	10	
SHH	General Schedule	O	5	
TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
PO1	Purchase Order Item Data	M	1	PO1-Begin/ 100000
NTE	Line Notes	O	100	
CUR	Currency	O	1	
PO3	Additional Item Detail	O	25	
PID	Product/Item Description	O	200	
REF	Reference Numbers	O	12	
N1	Name	O	1	N1-Begin/200
N2	Additional Name Information	O	2	
N3	Address Information	O	2	
N4	Geographic Information	O	1	
PER	Administrative Communications	O	3	N1-End/200
DTM	Date/Time Reference	O	10	
SCH	Line Item Schedule	O	104	PO1-End/ 100000
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	

Mazda North American Operations EDI Implementation Guidelines

Usage: M - Mandatory
O - Optional (as needed)
F – Floating (as needed)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : ST - Transaction Set Header

Level : Header

Information : Indicates purchase order number and date.

Example : ST*850*000000001\$

Element	Name	Features	Use
01	Transaction Set ID	M ID 03/03	Use "850"
02	Transaction Set Control Number	M AN 04/09	A unique number assigned to each transaction set within a functional group. This number must match the SE segment control number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : BEG – Beginning Segment for Purchase Order

Level : Header

Information : Indicates the start of the transaction set and assigns a control number. The ST control number must match the control number in the transaction set trailer SE segment.

Example : BEG*00*SA*110786***940513\$

Element	Name	Features	Use
01	Transaction Set Purpose Code	M ID 02/02	Use "00" – Original
02	Purchase Order Type Code	M ID 02/02	Purchase Order Type Code "SA" – Stand Alone
03	Purchase Order Number	M AN 01/18	Purchase Order Number
06	Purchase Order Date	M DT 06/6	Purchase Order Date

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : NTE – Header Notes

Level : Header

Information : Notes at the purchase order header level.

Example : NTE*INV*NONE\$
NTE*PMT*NONE\$

Element	Name	Features	Use
01	Note Reference Code	M ID 03/03	“INV” – Invoice Instruction “GEN” – Entire Transaction Set
02	Free Form Message	M AN 01/60	“PMT” – Payment Message Description

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : REF – Reference Numbers

Level : Header

Information : Used to indicate purchase order header information like ship from, etc at a header level.

Example : REF*SF*DEAR*DEARBORN, MI\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	Valid codes from ANSI-X12
02	Reference Number	M AN 01/17	Reference Number
03	Description	M AN 01/80	Description

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : PER – Administrative Communications Contact

Level : Header

Information : Administrative Communications Contact

Example : PER*EX*DEANNE MOSCROP*949-727-XXXX

Element	Name	Features	Use
01	Contact Function Code	M ID 02/02	“IC” – Information Contact “EX” – Expeditor “BD” – Buyer Name or Department “SU” – Supplier Code
02	Name	M AN 01/30	Name
03	Communications Number Qualifier	O ID 02/02	“TE” – Telephone
04	Communications Number	O AN 07/20	Telephone Number

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : TAX – Sales Tax Reference

Level : Header

Information : Tax identification number of buying organization.

Example : TAX*983240-34-4\$

Element	Name	Features	Use
01	Tax Identification Number	O AN 01/20	Tax Identification Number (Tax Exemption Number or Direct Pay Number) “SP” = State “CC” = Country. If code is “SP”, TAX03 will contain appropriate 2 digit state or province code State/United States Code (Governing entity location where the exemption is occurring)
02	Location Qualifier	O ID 01/02	
03	Location Identifier	O AN 01/25	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : FOB – FOB Related Instructions

Level : Header

Information : Indicates shipment method of payment and location.

Example : FOB*DE*ZZ*DEARBORN*02*FOB\$

Element	Name	Features	Use
01	Shipment method of payment	M ID 02/02	“CC” – Collect “CF” – Collect Freight credited to Payment Customer “PP” – Prepaid by Seller “PC” – Prepaid but charged to customer
02	Transportation Responsibility Location Qualifier	O ID 02/02	“OR” – Origin (Shipping Point) “DE” – Destination (Shipping)
03	Description	O AN 01/25	Location Description

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : N1 – Name

Level : Header

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

Example : N1*BY*MAZDA NORTH AMERICAN OPERATIONS*92*MNAO\$

Element	Name	Features	Use
01	Organization Identifier	M ID 02/02	“SP” – Party filling shipper’s order “BT” – Party to be billed for other than freight (Bill-To) “ST” – Ship to “SU” – Supplier/Manufacturer “BY” – Buying Party (Purchaser)
02	Name	M AN 01/30	
03	Identification Code Qualifier	M ID 01/02	“92” – Assigned by buyer
04	Identification Code	M ID 02/05	MNAO assigned supplier code

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : N2 – Additional Name Information

Level : Header

Information : To specify additional names or those longer than 30 characters in length.

Example : N2*ANY ADDITIONAL NAME INFORMATION\$

Element	Name	Features	Use
01	Name	M AN 01/30	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : N3 – Additional Name Information

Level : Header

Information : To specify the location of the named party.

Example : N3*7755 IRVINE CENTER DRIVE* PO BOX 19734\$

Element	Name	Features	Use
01	Address	M AN 01/35	
02	Address	O AN 01/35	

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Purchase Order - 850

Segment : N4 – Geographic Location

Level : Header

Information : To specify the geographic place of the named party.

Example : N4*IRVINE,CALIFORNIA\$

Element	Name	Features	Use
01	City Name	M AN 02/15	
02	State	M ID 02/02	
03	Postal Code	M ID 05/09	
04	Country Code	O ID 02/02	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : ITA – Allowance, Charge or Service

Level : Header

Information : To specify allowance or charges

Example : ITA*C***06**.1\$

Element	Name	Features	Use
01	Allowance or charge indicator	M ID 01/01	“C” = Charge
03	Special Services Code	O ID 02/10	Transport Cost Service Code
04	Method of Handling	M ID 02/02	“06” – Charge to be paid by customer
06	Allowance or Charge Rate	M R 01/09	Use only monetary value

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : ITD – Terms of Sale/Deferred Terms of Sale

Level : Header

Information : To specify terms of sale

Example : ITD*09*3*2**15**30\$

Element	Name	Features	Use
01	Terms Type Code	M ID 02/02	“08” – Basic Discount Offered “09” – Proximo “3” – Invoice Date
02	Terms Basis Date Code	M ID 01/02	
03	Terms Discount Percent (If paid on or before Terms Discount Due Date)	M R 01/06	
05	Terms Discount Days Due	M NO 01/02	
07	Number of days until total invoice amount is due (discount not applicable)	M NO 01/02	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : DTM – Date/Time Reference

Level : Header

Information : To specify pertinent dates and times.

Example : DTM*007*991230\$
DTM*036*000627\$

Element	Name	Features	Use
01	Date/Time Code	M ID 03/03	“007” – Effective Date/Time “036” – Expiration Date/Time
02	Date	M DT 06/06	Date (YYMMDD)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : SHH – General Schedule

Level : Header

Information : To specify general scheduling conditions

Example : SHH*DD*069*000106\$

Element	Name	Features	Use
01	Schedule Code	M ID 02/02	“DD” – Deliver on Date
02	Date/Time Qualifier	M ID 03/03	“069” – Promised for Delivery
03	Date	M DT 06/06	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : TD5 – Carrier Details (Routing Sequence/Transit Time)

Level : Header

Information : To specify carrier, sequence of routing and to provide transit time information

Example : TD5*Z****SELLER'S DELIVERY\$

Element	Name	Features	Use
01	Routing Sequence Code	M ID 01/02	"Z" – Mutually Defined
05	Routing(Origin Carrier)	M AN 01/25	Free-form Description

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : PO1 – Purchase Order Baseline Item Data

Level : Detail

Information : To specify basic and most frequently used purchase order line item data.

Example : PO1*001*20*EA*140.84**BP*GA2A82939\$

Element	Name	Features	Use
01	PO Line Number	M AN 01/06	Alphanumeric number which increments by one for each PO1 within a transaction set
02	Quantity Ordered	M R 01/09	Quantity
03	Unit of Measure	M ID 02/02	Refer to ANSI Unit of Measurement Table
04	Unit Price	M R 01/14	Price
05	Basis Unit Price Code	O ID 02/02	If Unit Price = 0, then value = "NC"
06	Product/Service ID Qualifier	O ID 02/02	"BP" – Buyer's Part Number "MF" – Manufacturers Name "MG" – Manufacturers Part Number "PN" – Company Part Number "PI" - Purchaser's Item Code "PT" – Print or Drawing "OH" – Opposite Hand Part Number "RP" – Replaced Part Number
07 08-25	Product/Service ID	O AN 01/30	Used in same manner as 06-07

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : NTE – Detail Notes

Level : Detail

Information : Notes at the purchase order line level.

Example : NTE*LIN*SPEC 114567\$

Element	Name	Features	Use
01	Note Reference Code	M ID 03/03	“LIN” – Line Notes
02	Free Form Message	M AN 01/60	Message Description

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Purchase Order - 850

Segment : CUR – Currency

Level : Detail

Information : To specify currency used in the transaction

Example : CUR*BY*USDS

Element	Name	Features	Use
01	Organization	M ID 02/02	“BY” = Purchaser
02	Currency Code	M ID 03/03	Any valid ISO Code

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : PO3 – Additional Item Detail

Level : Detail

Information : To specify additional item related data involving variations in normal price/quantity structure.

Example : PO3*QP*870102*MIN*1.98**12*EAS
 PO3*QT*910701*ICL*1.00**5*EAS
 PO3*QT*910701*ICL*.75**10*EAS

Element	Name	Features	Use
01	Change Reason Code	M ID 02/02	“QP” – Quantity Based on Price Qualifer “QT”- Quantity Price Break Date (YYMMDD – Quantity Price Effective Date) “MIN” – Minimum Order Quantity Price “ICL” – Unit Price through Quantity
02	Date	O DT 06/06	
03	Price Qualifier Code	O ID 03/03	
04	Unit Price	O R 01/14	
06	Quantity	M R 01/10	
07	Unit of Measure	M ID 02/02	
08	Description	O AN 01/80	

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Purchase Order - 850

Segment : PID – Product/Item Description

Level : Detail

Information : To describe a product in coded or freeform format.

Example : PID*F****DECRPTIONS

Element	Name	Features	Use
01	Item Description	M ID 01/01	"F" – Freeform
05	Type Description	M AN 01/80	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : REF – Reference Numbers

Level : Detail

Information : To transmit identifying numbers associated with the named party

Example : REF*BD*898392\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	Valid codes from ANSI-X12
02	Reference Number	M AN 01/17	Reference Number
03	Description	M AN 01/80	Description

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : N1 – Name

Level : Detail

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

Example : N1*BY*MAZDA NORTH AMERICAN OPERATIONS*92*MNAO\$

Element	Name	Features	Use
01	Organization Identifier	M ID 02/02	“SP” – Party filling shipper’s order “BT” – Party to be billed for other than freight (Bill-To) “ST” – Ship to “SU” – Supplier/Manufacturer “BY” – Buying Party (Purchaser)
02	Name	M AN 01/30	
03	Identification Code Qualifier	M ID 01/02	“92” – Assigned by buyer
04	Identification Code	M ID 02/05	MNAO assigned supplier code

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : N2 – Additional Name Information

Level : Detail

Information : To specify additional names or those longer than 30 characters in length.

Example : N2*ANY ADDITIONAL NAME INFORMATION\$

Element	Name	Features	Use
01	Name	M AN 01/30	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : N3 – Additional Name Information

Level : Detail

Information : To specify the location of the named party.

Example : N3*7755 IRVINE CENTER DRIVE* PO BOX 19734\$

Element	Name	Features	Use
01	Address	M AN 01/35	
02	Address	O AN 01/35	

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Purchase Order - 850

Segment : N4 – Geographic Location

Level : Detail

Information : To specify the geographic place of the named party.

Example : N4*IRVINE,CALIFORNIA\$

Element	Name	Features	Use
01	City Name	M AN 02/15	
02	State	M ID 02/02	
03	Postal Code	M ID 05/09	
04	Country Code	O ID 02/02	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : PER – Administrative Communications Contact

Level : Detail

Information : Administrative Communications Contact

Example : PER*EX*DEANNE MOSCROP*949-727-XXXX

Element	Name	Features	Use
01	Contact Function Code	M ID 02/02	Valid codes from ANSI-X12
02	Name	M AN 01/30	Name
03	Communications Number Qualifier	O ID 02/02	“TE” – Telephone
04	Communications Number	O AN 07/20	Telephone Number

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : DTM – Date/Time Reference

Level : Detail

Information : To specify pertinent dates and times.

Example : DTM*062*920115\$

Element	Name	Features	Use
01	Date/Time Code	M ID 03/03	“062” – Blue Print Date/Time Qualifier
02	Date	M DT 06/06	Date (YYMMDD)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Purchase Order - 850

Segment : SCH – Line Item Schedule

Level : Detail

Information : To specify the data for scheduling a specific line item

Example : SCH*16*EA****002*890515\$

Element	Name	Features	Use
01	Quantity	M R 01/10	
02	Unit of Measurement Code	M ID 02/02	
04	Organization Identifier	O ID 02/02	“ST” – Ship To
05	Name	O AN 01/35	
06	Date/Time Qualifier	M ID 03/03	“002” – Delivery requested on this date/time
07	Date	M DT 06/06	Date (YYMMDD)

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Purchase Order - 850

Segment : CTT – Transaction Totals

Level : Summary

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

Example : CTT*01*20\$

Element	Name	Features	Use
01	Number of Line Items	M N0 01/06	Total Number of PO1 segments
02	Hash Total	O R 01/10	Accumulation of value of quantity used (P0102)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 850

Segment : SE - Transaction Set Trailer

Level : Trailer

Information : Used to indicate the end of the transaction set and provide the count of the transmitted segments.

Example : SE*000020*000000001\$

Element	Name	Features	Use
01	Number of segments	M NO 01/06	Actual number of segments.
02	Transaction Set Control	M AN 04/09	Same number in the ST segment.

855 – Order Acknowledgement – not in Use

(Version: 002001)

**NOTE: NOT CURRENTLY IN USE BY MAZDA
(WITH NO PLANS TO IMPLEMENT)**

Transaction Format

Transaction Header

ST*855*3221~

BAK*00*AD*332467*200719*****200720~

N1*SF**92*P1234~
N1*ST**92*CH~

DTM*008*200719~

Detail Item Data

PO1*1*6*EA*170.43**BP*ILA4GFHAQ~

DTM*010*200728~

ACK*IA*6*EA*068*200728~

PO1*2*3*EA*203.32**BP*GXT53KL630RT2UX~

DTM*010*200728~

ACK*IA*3*EA*068*200728~

Interpretation

TRANSACTION SET 855 (PO ACK)
TRANSACTION SET CONTROL NO=3221

TRANSACTION PURPOSE =00 (ORIGINAL)

SHIP FROM= P1234
SHIP TO CH

PURCHASE ORDER RECEIVED =008,
DATE =200719 (YYMMDD)

PURCHASE ORDER LINE NO =1
QTY ORDERED =6
UOM =EA (Each)
UNIT PRICE = 170.43
PRODUCT ID QUALIFIER =BP (Buyer's Part Number)
PRODUCT ID = ILA4GFHAQ

LOOP1

REQUEST SHIP DATE IN PO =010
DATE =200728 (YYMMDD)

LINE ITEM ACK
STATUS CODE = IA (ITEM ACCEPTED)
QTY ACKNOWLEDGED = 6, UOM = EA
TYPE OF DATE =068(Current Schedule Ship Date)
DATE =200728(YYMMDD)

PURCHASE ORDER LINE NO =2
QTY ORDERED =3, UOM =EA (Each)
UNIT PRICE = 203.32
PRODUCT ID QUALIFIER =BP (Buyer's Part Number)
PRODUCT ID = GXT53KL630RT2UX

LOOP2

REQUEST SHIP DATE IN PO =010
DATE =200728 (YYMMDD)
STATUS CODE = IA (ITEM ACCEPTED)
QTY ACKNOWLEDGED = 3, UNIT =EA
TYPE OF DATE =068(Current Schedule Ship Date)
DATE =200728(YYMMDD)

Transaction Trailer

Mazda North American Operations EDI Implementation Guidelines

CTT*2~

SE*13*3221~

TOTAL NO OF LINE ITEMS
IN THE TRANSACTION SET=2
NUMBER OF INCLUDED SEGMENTS= 13
(FROM ST SEGMENT TO SE SEGMENT)
TRANSACTION SET CONTROL NO=3221
(SAME AS THE NUMBER IN THE ST SEGMENT)

**Mazda North American Operations
EDI Implementation Guidelines**

Order Acknowledgement – 855

Required Data Segment Sequence Table

Seg ID	Title	Usage	Max Use	Loop/ Repeat
ST	Transaction Set Header	M	1	
BAK	Beginning Segment Purchase Order	M	1	
N1	Name	O	1	Begin/200
DTM	Date/Time Reference	O	10	
PO1	Purchase Order Baseline Item Data	O	1	Begin/100000
DTM	Date/Time Reference	O	10	
ACK	Line Item Acknowledgment	O	104	
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	

Usage: M - Mandatory
O - Optional (as needed)
F - Floating (as needed)
C - Conditional

NOTES:

N1: Loop N1 is optional, but, if used, segment N1 is mandatory.

PO1: Loop PO1 is optional, but, if used, segment PO1 is required.

CTT: The number of line items (CTT01) is the accumulation of the number of PO1 segments.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment- 855

Segment : ST - Transaction Set Header

Level : Header

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

Example : ST*855*0001

REF/ ID	Name	Features	Use
ST01 143	Transaction Set ID	M ID 3/3	Use "855" (Purchase Order Acknowledgment)
ST02 329	Transaction Set Control Number	M AN 4/9	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment - 855

Segment : BAK - Beginning Segment for Purchase Order Acknowledgement

Level : Header – Mandatory

Information : To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Example : BAK*00*AC*801222*200720*****200721~

REF/ ID	Name	Req/Type/ Min/Max	Use
BAK01 353	Transaction Set Purpose Code	M ID 2/2	Use "00" for Original
BAK02 587	Acknowledgement Purpose	M ID 2/2	Please send message for every PO Line Code for type of acknowledgment "AD" Acknowledged - No Change, with Detail Use when no lines have changed qty or dates "AC" Acknowledged – Change, with detail Use when there is a change on one or more lines "RJ" Rejected - no detail Use when all lines are rejected. Must contact Mazda Buyer or Expeditor representative for any cancellations
BAK03 324	Purchase Order Number	M AN 1/22	Identifying number for Purchase Order assigned by the buyer. Mazda PO#
BAK04 323	Purchase Order Date	M DT 6/6	Date assigned by the purchaser to Purchase Order. Date expressed as YYMMDD
BAK10 588	Acknowledgment Date	O DT 6/6	Date assigned by the sender for the acknowledgement. Date expressed as YYMMDD

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment - 855

Segment : N1 – Name

Level : Header – Optional

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

Example : N1*SF**92*P1234~
N1*ST**92*CH~

REF/ ID	Name	Req/Type/ Min/Max	Use
N101 98	Organization Identifier	M ID 2/2	Code identifying the type of party being defined. “SF”- Ship From (Mazda Supplier #) “ST”- Ship To (Location)
N102 93	Name	C AN 1/35	Free-form organization name, official title, or related information
N103 66	Identification Code Qualifier	C ID 1/2	Code designating the system/method of code structure used for Identification Code (N104). Use “92” - Assigned by Buyer
N104 67	Identification Code	C ID 2/17	Code identifying one of the parties in the transaction. When N101 = SF, set to Mazda Supplier # e.g., P1234 When N101 = ST, set the “To Location Code.” e.g., CH for Chicago, Complete list of Ship To Codes here: http://suppliers.mazdausa.com/Library/edi_shipping_to_codes.pdf

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:

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.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment - 855

Segment : DTM – Date/Time Reference

Level : Header – Optional

Information : To specify pertinent dates and times

Example : DTM*008*200721

REF/ID	Name	Req/Type/ Min/Max	Use
DTM01 374	Date/Time Qualifier	M ID 3/3	Code specifying type of date or time "008" Purchase Order Received
DTM02 373	Date	C DT 6/6	Purchase Order Received Date (YYMMDD)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment - 855

Segment : P01 – Purchase Order Baseline Item Data

Level : Detail– Optional

Information : To specify basic and most frequently used purchase order line item data.

Example : PO1*1*10*EA*10.23**BP*SSDSC2BB080G401

Please send 855 acknowledgement message with all PO Lines sent from Mazda

REF/ID	Name	Req/Type/ Min/Max	Use
PO101 350	Purchase Order Line Number	O AN 1/6	Identifying number or code for the purchase order line item Include all PO Lines in message.
PO102 330	Quantity Ordered	M R 1/9	Quantity Ordered
PO103 355	Unit of Measurement Code	M ID 2/2	Code identifying the basic unit measurement. “EA” each
PO104 212	Unit Price	O R 1/14	Price per unit of product, service, commodity, etc.,
PO106 235	Product/Service ID Qualifier	O ID 2/2	Description: Code identifying the type/source of the part number used in Product/Service ID PO107 “BP” Buyer’s Part Number
PO107 234	Product/Service ID	C AN 1/30	Mazda Part Number

Syntax Rules:

C0607 -If PO106 is present, then PO107 is required

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment - 855

Segment : DTM – Date/Time Reference

Level : Detail – Optional

Information : To specify pertinent dates and times

Example : DTM*008*200721

REF/ID	Name	Req/Type/ Min/Max	Use
DTM01 374	Date/Time Qualifier	M ID 3/3	Code specifying type of date or time "010" Requested Ship Date in PO
DTM02 373	Date	M DT 6/6	Requested Ship Date (YYMMDD)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment - 855

Segment : ACK – Line Item Acknowledgement

Level : Detail – Optional

Information : To acknowledge the ordered quantities and specify the ready date for a specific line item.

- Please specify reason if there is a change in date or quantity.
- Total Acknowledgement quantity must equal total requested quantity in either one or multiple acknowledgement lines.

Example : ACK*IC*10*EA*017*200725**ZM*Item Backordered

REF/ID	Name	Req/Type/ Min/Max	Use
ACK01 668	Line Item Status Code	M ID 2/2	Code specifying the action taken by the seller on a line item requested by the buyer "IA" Item Accepted - No change from requested order line "IC" Item Accepted - Changes from requested order line "IR" Item Rejected - Must contact Mazda Buyer or Expeditor representative for any cancellations 'IC' or 'IR requires ACK08/234
ACK02 380	Quantity	O R 1/10	Numeric value of quantity acknowledged Total Acknowledgement quantity per PO Line must equal requested quantity. Split lines is ok
ACK03 355	Unit of Measurement Code	C ID 2/2	"EA" each
ACK04 374	Date/Time Qualifier	O ID 3/3	Code specifying type of date acknowledged "068" Current Schedule Ship Date

**Mazda North American Operations
EDI Implementation Guidelines**

ACK05 373	Date	C DT 6/6	Date expressed as YYMMDD
ACK07 235	Product/Service ID Qualifier	O ID 2/2	Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) "ZM" Miscellaneous
ACK08 234	Product/Service ID	C AN 1/30	Description: Identifying number for a product or service. Required if ACK01/668 is "IC" or "IR" Specify the reason for difference from requested ship date or quantity e.g., "case pack", "back order", "component shortage"

Syntax Rules:

1. C0203 - If ACK02 is present, then ACK03 is required.
2. C0405 - If ACK04 is present, then ACK05 is required.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment - 855

Segment : CTT - Transaction Totals

Level : Trailer

Information : Used to provide hash totals to validate transaction completeness and correctness.

Example : CTT*1~

REF/ID	Name	Req/Type/ Min/Max	Use
CTT01 354	Number of line items	M N0 01/06	Total number of line items

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Order Acknowledgment - 855

Segment : SE - Transaction Set Trailer

Level : Trailer

Information : Used to indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segment).

Example : SE*22*0001~

REF/ID	Name	Req/Type/ Min/Max	Use
SE01 96	Number of segments	M N0 01/06	Total number of segments included in a transaction set including ST and SE segments
SE02 329	Transaction Set Control Number	M AN 4/9	Transaction Set Control Number. Same number in the ST segment.

856 – Advance Shipping Notice

Sample (Version – 002002MNAO)

Transaction Format

Transaction Header

ST*856*1019\$

BSN*00*052625*940513*1606\$

DTM*017*940514*1830\$

Detail Data

HL*1**S\$

MEA*PD*G*34270*LB

TD1*PLT90*1\$
 TD5*B*02*RDWY*M\$
 TD3*TL**1028A\$

REF*BM*KPX8901\$
 REF*PK*849302\$

N1*SF**92*P1795\$

N1*ST**92*CH\$

HL*2*01*I\$

LIN**BP*GA2E68520D\$

SN1**20*PC\$
 REF*DO*111786019\$

CLD*1*20*PLT90\$
 REF*LS*S23275\$

Transaction Trailer

CTT*2*20\$
 SE*20*1019\$

Interpretation

TRANSACTION SET 856 (ASN)
 TRANSACTION SET CONTROL NO=1019

TRANSACTION PURPOSE=00 (ORIGINAL)
 =01 (CANCEL)
 =05 (REPLACE)
 =12 (TEST)

NOTES: CANCEL, REPLACE, TEST WILL BE DIRECTED BY AN ASN.

ASN=052625
 ISSUE DATE, TIME=940513 , 1606

ARRIVAL DATE, TIME=940514, 1830

HIERARCHICAL I.D. NO=1
 HIERARCHICAL LEVEL= SHIPMENT

GROSS WEIGHT OF SHIPMENT = 34270 LB

1 PALLET
 CARRIER SCAC CODE = RDWY, MOTOR TRANSPORT
 TRAILER, CONVEYANCE NUMBER = 1028A

BILL OF LADING = KPX8901
 PACKING SLIP = 849302

SHIP FROM= P1795

SHIP TO **CH**

HIERARCHICAL I.D. NO= 2
 HIERARCHICAL PARENT I.D. NO= 1
 HIERARCHICAL LEVEL= 1 (ITEM)

LOOP1

ASN QTY= 20 PIECES
 DELIVERY ORDER NO = 111786019

1 PALLET OF 20 UNITS
 SHIPPING LABEL SERIAL NUMBER = S23275

NOTE: LOOP1 OCCURS BY DELIVERY ORDER NO. (MAX USE =9998)

NUMBER OF HL SEGMENT= 2
 NUMBER OF INCLUDED SEGMENTS= 20
 (FROM ST SEGMENT TO SE SEGMENT)
 TRANSACTION SET CONTROL NO=1019
 (SAME AS THE NUMBER IN THE ST SEGMENT)

**Mazda North American Operations
EDI Implementation Guidelines**

Advance Shipping Notice - 856

Required Data Segment Sequence Table

Seg ID	Title	Usage	Max Use	Loop/ Repeat
ST	Transaction Set Header	M	1	
BSN	Beginning Segment - Shipping Notice	M	1	
DTM	Date/Time Reference	M	10	
HL	Hierarchical Level	M	1	HL-Begin/ 200,000
LIN	Item Identification Detail	M	1	
SN1	Item Detail Shipment	M	1	
	Deleted			
MEA	Measurements	M	40	
TD1	Carrier Details (Quantity and Weight)	O	20	
TD5	Carrier Details (Routing Sequence and Transit Time)	M	12	
TD3	Carrier Details (Equipment)	M	12	
REF	Reference	M	200	
CLD	Load Detail	O	1	CLD-Begin/ 200
REF	Reference Number	O	200	CLD-End/ 200
N1	Name	M	2	HL-End/ 200,000
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	

Usage: M - Mandatory
O - Optional (as needed)
F - Floating (as needed)

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Advance Shipping Notice - 856

Segment : ST - Transaction Set Header

Level : Header

Information : Indicates the start of the transaction set and assigns a control number. The ST control number must match the control number in the transaction set trailer SE segment.

Example : ST*856*1019\$

Element	Name	Features	Use
01	Transaction Set ID	M ID 03/03	Use "856"
02	Transaction Set Control Number	M AN 04/09	A unique number assigned to each transaction set within a functional group. This number must match the SE segment control number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advance Shipping Notice - 856

Segment : BSN - Beginning Segment Receiving Advice

Level : Header

Information : Indicates identifying numbers, date and time related to the transaction set.

Example : BSN*00*05262588*940513*1606\$

Element	Name	Features	Use
01	Purpose Code	M ID 02/02	00 = Original 01 = Cancel 05 = Replace 12 = Test
02	ASN Number	M AN 06/08	Unique supplier defined 8 character code.
03	ASN Issue Date	M DT 06/06	Format YYMMDD
04	ASN Issue Time	M TM 04/04	Format HHMM (24 Hour Clock)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advance Shipping Notice - 856

Segment : DTM - Date/Time Reference

Level : Header

Information : Indicates the date and time that the parts will arrive at MNAO.

Example : DTM*017*940514*1830\$

Element	Name	Features	Use
01	Qualifier	M ID 02/02	Use "017" for delivery orders to indicate estimated date and time of arrival of parts. Use "011" for shipment orders to indicate date and time shipment leaves supplier premises.
02	Date	M AN 06/06	Format: YYMMDD.
03	Time	M TM 04/04	Format: HHMM.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advance Shipping Notice - 856

Segment : HL - Hierarchical Level

Level : Detail

Information : Used to identify levels of detail information using the hierarchical structure.

Example : HL*1**S\$
HL*2*01*I\$

Element	Name	Features	Use
01	Level ID Number	M N0 01/06	Use "0001" for the first HL segment and increment by "1" in each subsequent HL segment within the transaction set.
02	Level Parent ID	O N0 01/06	The ID number of parent HL segment. Required for all HL segments at the item level.
03	Level Code	M ID 01/02	Use "S" for shipment. Use "I" for Item.

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Advance Shipping Notice - 856

Segment : LIN - Line Item Detail

Level : Detail

Information : To specify basic item identification data.

Example : LIN**BP*GA2E68520D\$

Element	Name	Features	Use
01	Line Item Number		Not Used
02	Product/Service ID Qualifier	M ID 02/02	"BP" – buyers part number
03	Product Service ID	M AN 01/30	Buyer part number

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : SN1 - Item Detail - Shipment

Level : Detail

Information : Used to denote ASN quantity.

Example : SN1**20*PC\$

Element	Name	Features	Use
01	Ship Notice Line Number		Not Used
02	Number of Units Shipped	M R 01/07	Shows quantity shipped for part number referenced in the associated LIN segment
03	Unit of Measure Code	M ID 02/02	Unit of Measure Code
04	Quantity shipped to Date	O R 01/09	Used only with suppliers with CUM requirements

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : PRF - Purchase Order Reference

Level : Detail

Information : To provide a reference to a specific purchase order number. This is the 6 digit Mazda PO number. Usage of this segment is optional.

Example : PRF*111786\$

Element	Name	Features	Use
01	Purchase Order Number	M AN 01/10	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : MEA - Measurements

Level : Detail (Shipments and item hierarchical level)

Information : To specify physical measurements

Example : MEA*PD*G*34270*LB\$

Element	Name	Features	Use
01	Measurement Reference ID	M ID 02/02	"PD" = physical dimensions
02	Measurement Dimension Qualifier ID	M ID 01/03	"G" = Gross Weight "N" = Net Weight
03	Measurement Value	M R 01/10	Value
04	Unit of Measurement	M ID 02/02	Use "LB" or "KG"

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : TD1 – Carrier Details (Quantity and Weight)

Level : Detail (Shipments hierarchical level only)

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

Example : TD1*PLT90*1\$

Element	Name	Features	Use
01	Packaging Code	M ID 05/05	Any ANSI defined code is acceptable
02	Lading Quantity	M NO 01/07	Number of packages of the type specified in TD101

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : TD5 – Carrier Details (Routing)

Level : Detail (Shipments hierarchical level only)

Information : To specify carrier, routing sequence and transit time information.

Example : TD5*B*02*RDWY*M\$

Element	Name	Features	Use
01	Routing Sequence Code	M AN 01/02	Use "B" – carrier is origin/delivery carrier
02	ID Qualifier	M ID 02/02	Use "02"
03	ID Code	M AN 02/04	Carrier's SCAC Code
04	Mode	M ID 01/02	"M" – Motor "A" – Air "W" – Inland Waterway "H" – Customer Pickup "R" – Rail "S" – Ocean "O" – Containerized Ocean "PC" – Private Carrier "G" – Piggyback "LT" – Less than truckload "AE" – Air Express "PP" – Pool to Pool "PR" – Pooled Rail "PG" – Pooled Piggyback "PA" – Pooled Air "PT" – Pooled Truck "JT" – Just-in-Time "ZZ" – On Hand at pool "E" – Expedited truck "RR" – Roadrailer "U" – UPS

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : TD3 – Carrier Details (Equipment)

Level : Detail (Shipments hierarchical level only)

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

Example : TD3*TL**1028A\$

Element	Name	Features	Use
01	Equipment Description Code	M ID 02/02	Use any ANSI defined code
02	Equipment Initial	O AN 01/04	If TD504 indicates rail, piggyback or ocean shipment – use equipment owners code: otherwise not used
03	Equipment Number	M AN 01/07	Conveyance Number

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : REF – Reference Numbers

Level : Detail (Shipment and item hierarchical levels)

Information : To transmit identifying numbers associated with the named party.

Please note there is a required format for the REF*DO segment. The first 6 digits are the Mazda PO number followed by the 3 digit Line Item sequence Number. Characters 1-6 are the Mazda PO number and 7-9 are the PO Line number. REF*DO is a required segment.

Example : REF*BM*KPX8901\$
REF*PK*849302\$
REF*DO*111786001\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	Used at shipment and item levels. The use of at least one REF segment with a qualifier of “BM” or “AW” is required. The use of one REF segment to provide packing slip number is required at shipment or item level. The DO number must be provided for shipments against releases (830) and purchase orders (850) . “AW” – Airbill Number “BM” – Bill of lading “DO” – Delivery Order Number “FR” – Freight bill number “HC” – Heat Code “LS” –Label Serial Number “LT” – Lot Number “PK” – Packing Slip “SN” – Seal Number “VM” – Vessel Name “CO” – Dealer Direct Value
02	Reference Number	M AN 01/30	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : CLD – Customer’s Load Detail

Level : Detail (Item hierarchical levels)

Information : Gives information concerning number of containers and quantity per container.

Example : CLD*1*20*PLT90\$

Element	Name	Features	Use
01	Number of Customer Loads	M NO 01/05	Number of Containers
02	Units Shipped	M R 01/07	Number of units per container
03	Packaging Code	M ID 05/05	Any ANSI defined code is acceptable

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Advanced Shipping Notice - 856

Segment : REF - Reference

Level : Detail

Information : To transmit identifying numbers. Used to show shipping label serial numbers.

Example : REF*LS*S23275\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	"LS" = bar coded shipping label
02	Reference Number	O AN 01/30	Shipping label

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advance Shipping Notice - 856

Segment : N1 - Name

Level : Detail

Information : Used to identify parties associated with the shipment. The ship-from and ship-to segments are mandatory.

Example : N1*Sf**92*P1795\$
N1*ST**92*CH\$

Element	Name	Features	Use
01	Identifier	M NO 02/02	"SF" = Ship-from identifier "ST" = Ship-to identifier "SU" - Supplier
02		O NO 01/06	Not Used
03	ID Code Qualifier	M ID 02/02	Use "92".
04	ID Code	M AN 02/05	Code of issuer, shipper, or receiver. Example: "ST" = CH - receiver "SF" = P1795 - shipper

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Advanced Shipping Notice - 856

Segment : CTT - Transaction Totals

Level : Trailer

Information : Used to specify transaction totals.

Example : CTT*2*20\$

Element	Name	Features	Use
01	Number of line items	M NO 01/06	Hash total of quantities shipped
02	Quantity Hash Totals	M R 01/10	Hash total of quantities shipped (from SN102)

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Advanced Shipping Notice - 856

Segment : SE - Transaction Set Trailer

Level : Trailer

Information : Used to indicate the end of the transaction set and provide the count of the transmitted segments.

Example : SE*12*1019\$

Element	Name	Features	Use
01	Number of segments	M NO 01/06	Actual number of segments.
02	Transaction Set Control	M AN 04/09	Same number in the ST segment.

861 – Receiving Advice Transaction

Sample (Version – 002001)

Transaction Format

Transaction Header
ST*861*000000001\$

BRA*050213*940514*00\$

REF*SI*050213

DTM*050*940514\$
N1*SF**92*P1786\$
N1*ST**92*00321\$

Detail Data

RCD**126*PC***4*PC*02\$

|----- NOTE1 -----|

SN1**130*PCS

LIN**BP*GA2A50260\$

Transaction Trailer

CTT*1*126\$
SE*000011*000000001\$

Interpretation

TRANSACTION SET 861
TRANSACTION SET CONTROL NO=000000001

MNAO WILL USE SUPPLIER ASN NO AS THE UNIQUE
REFERENCE NUMBER
DATE CREATED
TRANSACTION PURPOSE=00 (ORIGINAL)

NOTES: MNAO WILL ONLY USE ORIGINAL
TRANSACTION PURPOSE CODE

SUPPLIER ASN NUMBER=050213

MATERIAL RECEIVED DATE=940514
SUPPLIER CODE = P1786
SHIP-TO MNAO LOCATION = 00321

QUANTITY RECEIVED=126 (QTY ACCEPTED)

SHORTAGE QTY=4

RECEIVING COND CODE =02 (QTY SHORT)

LOOP1

ASN QTY=130

PART NO= GA2A50260

NOTES: LOOP1 OCCURS BY PART
NO

NUMBER OF RCD SEGMENT=1
NUMBER OF INCLUDED SEGMENTS=000011
TRANSACTION SET CONTROL NO=000000001

**Mazda North American Operations
EDI Implementation Guidelines**

Receiving Advice - 861

Required Data Segment Sequence Table

Seg ID	Title	Usage	Max Use	Loop/ Repeat
ST	Transaction Set Header	M	1	
BRA	Beginning Segment – Receiving Advice	M	1	
REF	Reference	M	12	
DTM	Date/Time Reference	M	10	
N1	Name	M	200	
RCD	Receiving Conditions	M	1	RCD-Begin/ 200,000
SN1	Item Detail Shipment	M	1	
LIN	Item Identification Detail	M	1	RCD-End/ 200,000
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	

Usage: M - Mandatory
 O - Optional (as needed)
 F - Floating (as needed)

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Receiving Advice - 861

Segment : ST - Transaction Set Header

Level : Header

Information : Indicates the start of the transaction set and assigns a control number. The ST control number must match the control number in the transaction set trailer SE segment.

Example : ST*861*000000001\$

Element	Name	Features	Use
01	Transaction Set ID	M ID 03/03	Use "861"
02	Transaction Set Control Number	M AN 04/09	A unique number assigned to each transaction set within a functional group. This number must match the SE segment control number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Receiving Advice - 861

Segment : BRA - Beginning Segment Receiving Advice

Level : Header

Information : Indicates identifying numbers, date and time related to the transaction set.

Example : BRA*050213*940514*00\$

Element	Name	Features	Use
01	Reference Number	M AN 01/30	A number assigned by MNAO to uniquely identify the transaction set.
02	Date	M DT 06/06	Date the transaction is created
03	Transaction Set Purpose Code	M ID 02/02	"00" – Original

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Receiving Advice - 861

Segment : REF - Reference

Level : Header

Information : Used to transmit identifying numbers associated with the named party.

Example : REF*SI*050213\$

Element	Name	Features	Use
01	Reference Number Qualifier	M ID 02/02	Will contain "SI"
02	Reference Number	M AN 01/30	Supplier Generated ASN Number

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Receiving Advice - 861

Segment : DTM - Date/Time Reference

Level : Header / Detail

Information : Indicates specific date and time information

Example : DTM*050*940514\$

Element	Name	Features	Use
01	Date/Time Qualifier	M ID 03/03	Will contain "050" – Material received on this date or "011" – Material shipped on this date. Shipped date is used when a return is indicated.
02	Date	M DT 06/06	Date shipment is received or shipped

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Receiving Advice - 861

Segment : N1 - Name

Level : Header

Information : Used to identify parties associated with the shipment.

Example : N1*Sf**92*11786\$
N1*ST**92*00321\$

Element	Name	Features	Use
01	Identifier	M ID 02/02	"SF" = Ship From "ST" = Ship To
02			Not Used
03	ID Code Qualifier	M ID 01/02	Use "92".
04	ID Code	M AN 02/17	Code of shipper, or receiver. Example: "SF" = P1786 – Supplier "ST" = 00321 – Receiver

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Receiving Advice - 861

Segment : RCD - Receiving Conditions

Level : Detail

Information : Used to report receiving conditions and discrepancies.

Example : RCD**126*PC***4*PC*02\$

Element	Name	Features	Use
01			Not used
02	Quantity Received	O R 01/09	Actual received quantity.
03	Unit of Measurement	O ID 02/02	Will contain same UOM as in the release (830) or purchase order (850)
04	Return Quantity	O R 01/09	When used will contain the return quantity
05	Unit of Measurement	O ID 02/02	Will contain same UOM as in the release (830) or purchase order (850)
06	Quantity in Question	O R 01/09	Will contain difference between SN102 and RCD02
07	Unit of Measurement	O ID 02/02	Will contain same UOM as in the release (830) or purchase order (850)
08	Receiving Condition Code	O ID 02/02	Valid codes from ANSI-X12

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Receiving Advice - 861

Segment : SN1 - Item Detail - Shipment

Level : Detail

Information : Used to denote ASN quantity.

Example : SN1**130*PC\$

Element	Name	Features	Use
01			Not Used
02	ASN Quantity	M R 01/09	Will contain same UOM as in the release (830) or purchase order (850)
03	Unit Measurement	O ID 02/02	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Receiving Advice - 861

Segment : LIN - Item Identification Detail

Level : Detail

Information : Used to specify basic item identification data.

Example : LIN**BP*GA2A50260\$

Element	Name	Features	Use
01			Not used.
02	Product/Service Identifier	M ID 02/02	"BP" - Part number
03	Product/Service ID	M AN 01/30	Actual part number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Receiving Advice - 861

Segment : CTT - Transaction Totals

Level : Trailer

Information : Used to specify transaction totals.

Example : CTT*1*126\$

Element	Name	Features	Use
01	Number of Line Items	M NO 01/06	Total Number of RCD Segments
02	Hash Totals	M R 01/10	Accumulation of the Quantity Received(RCD02) of all RCD segments

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Receiving Advice - 861

Segment : SE - Transaction Set Trailer

Level : Trailer

Information : Used to indicate the end of the transaction set and provide the count of the transmitted segments.

Example : SE*000011*000000001\$

Element	Name	Features	Use
01	Number of segments	M NO 01/06	Actual number of segments.
02	Transaction Set Control	M AN 04/09	Same number in the ST segment.

997 – Functional Acknowledgement

Sample (Version – 002002)

Transaction Format

Transaction Header

ST*997*0001\$

Interpretation

TRANSACTION SET 997
TRANSACTION SET CONTROL NO=0001

Detail Data

AK1*AG*844\$

FUNCTIONAL GROUP BEING ACKNOWLEDGED = AG
CONTROL NUMBER OF GROUP BEING
ACKNOWLEDGED = 844

AK2*824*0020572\$

TRANSACTION BEING ACKNOWLEDGED = 824
TRANSACTION SET CONTROL NUMBER BEING
ACKNOWLEDGED = 20572

AK5*A\$

ACKNOWLEDGE ACCEPTANCE OF TRANSACTION SET

AK9*A*1*1*1\$

ACKNOWLEDGE ACCEPTANCE OF FUNCTIONAL
GROUP AND REPORT NUMBER OF INCLUDED
TRANSACTION SETS

NUMBER OF INCLUDED TRANSACTION SETS = 1
NUMBER OF RECEIVED TRANSACTION SETS = 1
NUMBER OF ACCEPTED TRANSACTION SETS = 1

Transaction Trailer

SE*6*0001\$

NUMBER OF INCLUDED SEGMENTS= 6
(FROM ST SEGMENT OT SE SEGMENT)
TRANSACTION SET CONTROL NO=0001
(SAME AS THE NUMBER IN THE ST SEGMENT)

**Mazda North American Operations
EDI Implementation Guidelines**

Functional Acknowledgement - 997

Required Data Segment Sequence Table

Seg ID	Title	Usage	Max Use	Loop/ Repeat
ST	Transaction Set Header	M	1	
AK1	Functional Group Response Header	M	1	
AK2	Functional Group Response Header	O	1	AK2-Begin/ 999999
AK3	Data Segment Note	O	1	AK3-Begin/ 999999
AK4	Data Element Note	O	99	AK3-End/ 999999
AK5	Transaction Set Response Trailer	O	1	AK2-End/ 999999
AK9	Functional Group Response Trailer	M	1	
SE	Transaction Set Trailer	M	1	

Usage: M – Mandatory
O - Optional (as needed)

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Functional Acknowledgement - 997

Segment : ST - Transaction Set Header

Level : Header

Information : Indicates the start of the transaction set and assigns a control number. The ST control number must match the control number in the transaction set trailer SE segment.

Example : ST*997*000000001\$

Element	Name	Features	Use
01	Transaction Set ID	M ID 03/03	Use "997"
02	Transaction Set Control Number	M AN 04/09	A unique number assigned to each transaction set within a functional group. This number must match the SE segment control number.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Functional Acknowledgement - 997

Segment : AK1 – Function Group Response Header

Level : Header

Information : To start acknowledgement of a functional group

Example : AK1*AG*844\$

Element	Name	Features	Use
01	Functional ID Code	M ID 02/02	This value must match the functional group identifier GS01 of the group being acknowledged. Control number of GS06 of the group being acknowledged
02	Data Interchange control Number	M NO 01/09	

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Functional Acknowledgement – 997

Segment : AK2 – Transaction Set Response Header

Level : Header

Information : To start acknowledgement of a single transaction set

Example : AK2*824*0020572\$

Element	Name	Features	Use
01	Transaction set ID code	M ID 03/03	Must match the value of ST01 of the transaction being acknowledged
02	Transaction Set Control Number	M AN 04/09	Must match the value of ST02 of the transaction being acknowledged.

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Functional Acknowledgement – 997

Segment : AK3 – Data Segment Note

Level : Header

Information : To report errors in a data segment and to identify the location of the data segment

Example : AK3*FST*10**2\$

Element	Name	Features	Use
01	Segment ID Code	M ID 02/03	
02	Segment Position in Transaction Set	M NO 01/06	
03	Loop ID Code	O ID 01/04	
04	Segment Note Code	O ID 01/03	Error Code
05	Segment Note Code	O ID 01/03	Error Code
06	Segment Note Code	O ID 01/03	Error Code
07	Segment Note Code	O ID 01/03	Error Code
08	Segment Note Code	O ID 01/03	Error Code

Note;

720 Segment Code

Code	Definition
1	Unrecognized segment ID
2	Unexpected segment
3	Mandatory Segment Missing
4	Loop occurs over maximum times
5	Segment within loop exceeds maximum use

Transaction Set : Functional Acknowledgement – 997

**Mazda North American Operations
EDI Implementation Guidelines**

Segment : AK4 – Data Element Note

Level : Header

Information : To report errors in a data segment and to identify the location of the data element.

Example : AK4*2*680*1\$

Element	Name	Features	Use
01	Element position in segment	M NO 01/02	Reference Number See Note for error Code
02	Data Element reference Number	O NO 01/04	
03	Data element Syntax Error code	M ID 01/03	
04	Copy of bad Data Element	O ID 01/99	

Note:

723 Data Element syntax error code

Code	Definition
1	Mandatory Data element missing
2	Conditional required data element missing
3	Too many data element
4	Data element to short
5	Data element to long
6	Invalid character in data element
7	Invalid code value
8	Invalid date
9	Invalid time

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Functional Acknowledgement – 997

Segment : AK5 – Transaction Set Response Trailer

Level : Header

Information : To acknowledge acceptance or rejection and to report errors in a transaction set

Example : AK5*A\$

Element	Name	Features	Use
01	Set acknowledge Code	M ID 01/01	
02	Transaction Set Note Code	O ID 01/03	See Note for error code
03	Transaction Set Note Code	O ID 01/03	See Note for error code
04	Transaction Set Note Code	O ID 01/03	See Note for error code
05	Transaction Set Note Code	O ID 01/03	See Note for error code
06	Transaction Set Note Code	O ID 01/03	See Note for error code

Note:

AK501 Set Acknowledge Code

Code	Definition
A	The transmitted transaction set is accepted
E	The transmitted transaction set is accepted, but errors are noted. This means that the sender must to resend the data.
R	The transmitted transaction set in rejected. Depending on the error reason, the sender may resend the data.

AK502 to AK506 Transaction set note code

Code	Definition
1	The transaction set type is not supported
2	The transaction set trailer is missing
3	The transaction set control number in the header and trailer does not match. The value from the header is used for the acknowledgement
4	The number of the completed segment does not match the actual count
5	One or more segment is in error

**Mazda North American Operations
EDI Implementation Guidelines**

Transaction Set : Functional Acknowledgement – 997

Segment : AK9 – Functional group response trailer

Level : Header

Information : To acknowledge acceptance or rejection of a functional and report the number of the included transaction set fro the original trailer, the accepted set and the received sets of this group.

Example : AK9*A*1*1*1\$

Element	Name	Features	Use
01	Group Acknowledgement Code	M ID 01/01	
02	Number of Included Sets	M NO 01/06	
03	Number of Included Sets	M NO 01/06	
04	Number of Included Sets	M NO 01/06	
05	Functional Group Note Code	O ID 01/03	See Note for error Code
06	Functional Group Note Code	O ID 01/03	See Note for error Code
07	Functional Group Note Code	O ID 01/03	See Note for error Code
08	Functional Group Note Code	O ID 01/03	See Note for error Code
09	Functional Group Note Code	O ID 01/03	See Note for error Code

Mazda North American Operations EDI Implementation Guidelines

Note:

AK901 Acknowledgement Code

Code	Definition
A	The transmitted functional group is accepted. An acceptance of a functional group is an acceptance of all transaction sets in the functional group.
E	The transmitted functional group is accepted, but errors are noted. This means that the sender must not resend the data.
P	Part of the transmitted functional group is accepted by transaction set.
R	The transmitted functional group is rejected. A rejection of a functional group is a rejection of all transaction set in that functional group. Depending on the error reason, the sender may resend the data.

AK905 to AK909 Functional group note code

Code	Definition
1	This functional group type is not supported
2	This version of the functional group is not supported
3	The functional group trailer is missing
4	The data interchange control number in the header and trailer do not match. The value of the header is used in the acknowledgement.
5	The number of the included set does not match the actual count.

Mazda North American Operations EDI Implementation Guidelines

Transaction Set : Functional Acknowledgement – 997

Segment : SE - Transaction Set Trailer

Level : Trailer

Information : Used to indicate the end of the transaction set and provide the count of the transmitted segments.

Example : SE*6*0001\$

Element	Name	Use
01	Number of segments	Actual number of segments.
02	Transaction Set Control	Same number in the ST segment.