



BORGWARNER IMPLEMENTATION GUIDELINES

FOR

DESADV D96A MESSAGE

DESPATCH ADVICE

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REVISION HISTORY

Date	Version	Author/s	Revision Details
March 30, 2015	1.0	Tracey D Jefferson	Initial Creation
May 11, 2015	2.0	Tracey D Jefferson	Corrected qualifiers in NAD segments Added MEA Segments
May 13, 2015	3.0	Tracey D Jefferson	Added PIA segment
August 25, 2015	4.0	David Check	Corrected PIA segment information

INTRODUCTION

This document is intended to describe the DESADV or Advance Ship Notice (ASN) message, representing a vendor's or supplier's to BorgWarner that a shipment has been made in response to a Delivery Schedule (DELFOR) issued by BorgWarner.

All BorgWarner suppliers are required to be capable of receiving orders and delivery schedules from BorgWarner via the EDIFACT DELFOR message and to notify BorgWarner of shipments via the EDIFACT DESADV message.

BorgWarner guidelines are for the EDIFACT D96A standard, which is widely used in the automotive industry as a global standard.

SEGMENT AND ELEMENT SEPARATORS AND TERMINATORS

The following usage is observed and expected by BorgWarner for EDIFACT D96A messages::

Element Separator + (Plus - Hex 2B)

Composite Separator : (Colon - Hex 3A)

Segment Terminator ' (Single Quote - Hex 27)

Any variance from the above in the guidelines or the examples is unintentional.

HEADING SECTION**UNB Interchange Header**

The UNB is a service segment providing the unique identification of an interchange. It allows the identification of the sender and the receiver of the interchange, gives date and time of preparation as well as the interchange control reference and the application reference.

UNG Group Header

Not used.

UNH Message Header

A service segment starting and uniquely identifying a message. The message type code for the Despatch advice message is DESADV.

Note: Despatch advice messages conforming to this document must contain the following data in segment UNH, composite S009:

Data element 0065 DESADV
0052 D
0054 96A
0051 UN

BGM Beginning of Message

A segment for unique identification of the Despatch Advice document, by means of its name and its number.

DTM Date/Time/Period

Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.

MEA Measurements

A segment specifying the weight and volume of the consignment.

Segment Group 1: RFF-DTM

A group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.

RFF Reference

A segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

Segment Group 2: NAD-LOC-SG3-SG4

A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.

NAD Name and Address

A segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice. Identification of the parties involved is recommended for the Despatch Advice message, and is to be given in the NAD segment.

It is recommended that where possible, only the coded form of the party ID should be specified, e.g. the buyer and seller are known to each other, thus only the coded ID is required. The consignee or delivery address may vary and would have to be clearly specified, preferably in structured format.

LOC Place/Location Identification

A segment indicating more details regarding specific places/locations related to the party specified in the NAD segment, e.g. internal site/building number.

DETAIL SECTION:

Segment Group 10: CPS-FTX-SG11-SG15

A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.

CPS Consignment Packing Sequence

A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.

Segment Group 11: PAC-MEA-QTY-SG12-SG13

A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

PAC Package

A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.

QTY Quantity

A segment to give quantity information concerning the product.

Segment Group 13: PCI-RFF-DTM-GIR-SG14

A group of segments specifying markings, labels, and packing numbers.

PCI Package Identification

A segment specifying markings and/or labels used on individual physical units (packages) described in the PAC segment.

RFF Reference

A segment for referencing the package identification e.g. master label number.

GIR Related Identification Numbers

A segment providing set of package identification related numbers, e.g. a package label number.

Segment Group 15:

LIN-PIA-IMD-MEA-QTY-ALI-GIN-GIR-DLM-DTM-NAD-TDT-HAN-FTX-MOA-SG16-SG17-SG18-SG19-SG20-SG23

A group of segments providing details of the individual despatched items.

LIN Line Item

A segment identifying the product being despatched.
All other segments in the detail section following the LIN segment refer to that line item.

PIA Additional Product ID

A segment providing additional product identification.

QTY Quantity

A segment to give quantity information concerning the product.

ALI Additional Information

A segment indicating that the line item is subject to special conditions due to origin, customs preference or commercial factors

Segment Group 16: RFF-NAD-CTA-DTM

A group of segments to give reference numbers and dates.

RFF Reference

A segment identifying documents related to the line item.

SUMMARY SECTION:

UNT Message Trailer

A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

UNZ Interchange Trailer

A service segment ending an "interchange" (or EDI transmission).

DESADV MESSAGE- BORGWARNER SUBSET

The following tables defines the subset of segments that form the mandatory (“Must Use”) and conditional segments of the BorgWarner DESADV message. The segment grouping and looping structure is also represented.

HEADING SECTION:

Usage	Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Group Repeat	Notes
Must Use	0000	UNB	Interchange Header	M	1		
Must Use	0010	UNH	Message Header	M	1		
Must Use	0020	BGM	Beginning of Message	M	1		
Must Use	0030	DTM	Date/Time/Period	C	10		
Not Used	0040	ALI	Additional Information	C	5		
Optional	0050	MEA	Measurements	C	5		
Not Used	0060	MOA	Monetary Amount	C	5		
	0070		Segment Group 1: RFF-DTM	C		10	
Must Use	0080	RFF	Reference	M	1		
Not Used	0090	DTM	Date/Time/Period	C	1		
	0100		Segment Group 2: NAD-LOC-SG3-SG4	C		10	
Must Use	0110	NAD	Name and Address	M	1		
Must Use	0120	LOC	Place/Location Identification	C	10		
Not Used	0130		Segment Group 3: RFF-DTM	C		10	
Not Used	0140	RFF	Reference	M	1		
Not Used	0150	DTM	Date/Time/Period	C	1		
	0160		Segment Group 4: CTA-COM	C		10	
Not Used	0170	CTA	Contact Information	M	1		
Not Used	0180	COM	Communication Contact	C	5		
	0190		Segment Group 5: TOD-LOC-FTX	C		10	
Not Used	0200	TOD	Terms of Delivery or Transport	M	1		
Not Used	0210	LOC	Place/Location Identification	C	5		
Not Used	0220	FTX	Free Text	C	5		
	0230		Segment Group 6: TDT-PCD-SG7	C		10	
Not Used	0240	TDT	Details of Transport	M	1		
Not Used	0250	PCD	Percentage Details	C	6		
	0260		Segment Group 7: LOC-DTM	C		10	
Not Used	0270	LOC	Place/Location Identification	M	1		
Not Used	0280	DTM	Date/Time/Period	C	10		
	0290		Segment Group 8: EQD-MEA-SEL-EQA-SG9	C		10	
Not Used	0300	EQD	Equipment Details	M	1		
Not Used	0310	MEA	Measurements	C	5		
Not Used	0320	SEL	Seal Number	C	25		
Not Used	0330	EQA	Attached Equipment	C	5		
	0340		Segment Group 9: HAN-FTX	C		10	
Not Used	0350	HAN	Handling Instructions	M	1		
Not Used	0360	FTX	Free Text	C	10		

DETAIL SECTION:

Usage	Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Group Repeat	Notes
Must Use	0370		Segment Group 10: CPS-FTX-SG11-SG15	C		9999	
Must Use	0380	CPS	Consignment Packing Sequence	M	1		
Not Used	0390	FTX	Free Text	C	5		
Optional	0400		Segment Group 11: PAC-MEA-QTY-SG12-SG13	C		9999	
Optional	0410	PAC	Package	M	1		
Not Used	0420	MEA	Measurements	C	10		
Optional	0430	QTY	Quantity	C	10		
Not Used	0440		Segment Group 12: HAN-FTX	C		10	
Not Used	0450	HAN	Handling Instructions	M	1		
Not Used	0460	FTX	Free Text	C	10		
Optional	0470		Segment Group 13: PCI-RFF-DTM-GIR-SG14	C		1000	
Optional	0480	PCI	Package Identification	M	1		
Optional	0490	RFF	Reference	C	1		
Not Used	0500	DTM	Date/Time/Period	C	5		
Optional	0510	GIR	Related Identification Numbers	C	99		
Not Used	0520		Segment Group 14: GIN-DLM	C		99	
Not Used	0530	GIN	Goods Identity Number	M	1		
Not Used	0540	DLM	Delivery Limitations	C	10		
Must Use	0550		Segment Group 15: LIN-PIA-IMD-MEA-QTY-ALI-GIN-GIR-DL M-DTM-NAD-TDT-HAN-FTX-MOA-SG1 6-SG17-SG18-SG19-SG20-SG23	C		9999	
Must Use	0560	LIN	Line Item	M	1		
Optional	0570	PIA	Additional Product Id	C	10		
Not Used	0580	IMD	Item Description	C	25		
Not Used	0590	MEA	Measurements	C	10		
Must Use	0600	QTY	Quantity	C	10		
Optional	0610	ALI	Additional Information	C	10		
Not Used	0620	GIN	Goods Identity Number	C	100		
Not Used	0630	GIR	Related Identification Numbers	C	100		
Not Used	0640	DLM	Delivery Limitations	C	100		
Not Used	0650	DTM	Date/Time/Period	C	5		
Not Used	0660	NAD	Name and Address	C	5		
Not Used	0670	TDT	Details of Transport	C	1		
Not Used	0680	HAN	Handling Instructions	C	20		
Not Used	0690	FTX	Free Text	C	99		
Not Used	0700	MOA	Monetary Amount	C	5		
Must Use	0710		Segment Group 16: RFF-NAD-CTA-DTMC			99	
Must Use	0720	RFF	Reference	M	1		
Not Used	0730	NAD	Name and Address	C	1		
Not Used	0740	CTA	Contact Information	C	1		
Not Used	0750	DTM	Date/Time/Period	C	1		
Not Used	0760		Segment Group 17: DGS-QTY-FTX	C		10	

Not Used	0770	DGS	Dangerous Goods	M	1		
Not Used	0780	QTY	Quantity	C	1		
Not Used	0790	FTX	Free Text	C	5		
Segment Group 18: LOC-NAD-DTM-QTY						C	100
Not Used	0810	LOC	Place/Location Identification	M	1		
Not Used	0820	NAD	Name and Address	C	1		
Not Used	0830	DTM	Date/Time/Period	C	1		
Not Used	0840	QTY	Quantity	C	10		
Segment Group 19: SGP-QTY						C	1000
Not Used	0860	SGP	Split Goods Placement	M	1		
Not Used	0870	QTY	Quantity	C	10		
Segment Group 20: PCI-DTM-MEA-QTY-SG21-SG22						C	9999
Not Used	0890	PCI	Package Identification	M	1		
Not Used	0900	DTM	Date/Time/Period	C	5		
Not Used	0910	MEA	Measurements	C	10		
Not Used	0920	QTY	Quantity	C	1		
Segment Group 21: GIN-DLM						C	10
Not Used	0940	GIN	Goods Identity Number	M	1		
Not Used	0950	DLM	Delivery Limitations	C	100		
Segment Group 22: HAN-FTX-GIN						C	10
Not Used	0970	HAN	Handling Instructions	M	1		
Not Used	0980	FTX	Free Text	C	5		
Not Used	0990	GIN	Goods Identity Number	C	1000		
Segment Group 23: QVR-DTM						C	10
Not Used	1000						
Not Used	1010	QVR	Quantity Variances	M	1		
Not Used	1020	DTM	Date/Time/Period	C	5		

SUMMARY SECTION:

Usage	Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Group Repeat	Notes
Not Used	1030	CNT	Control Total	C	5		
Must Use	1040	UNT	Message Trailer	M	1		
Must Use	1050	UNZ	Interchange Trailer	M	1		

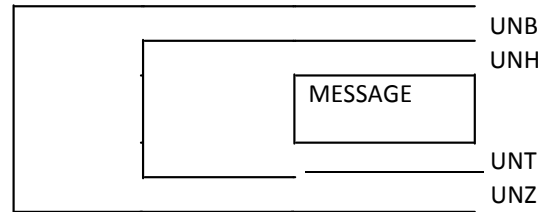
SERVICE SEGMENT DESCRIPTION

Following service segments are as defined by UN/EDIFACT and presented under ISO 9735.

The UNB, UNH, UNT and UNZ segments are the envelope of any message, enclosing all the data that is being transmitted.

The UNB (Interchange header) and UNZ (Interchange trailer) segments mark respectively the beginning and the end of an “interchange” (or EDI transmission) thereby providing a unique interchange control reference.

Within the interchange the UNH (message header) and UNT (Message trailer) segments uniquely begin and end the various messages contained in an interchange.



0000 UNB - INTERCHANGE HEADER

Segment Group: none

Level: 0

EDIFACT status: mandatory

BorgWarner status: mandatory

Maximum use: 1 per interchange

BorgWarner occurrences: 1 per interchange

Function: The UNB is a service segment providing the unique identification of an interchange. It allows the identification of the sender and the receiver of the interchange, gives date and time of preparation as well as the interchange control reference and the application reference.

BorgWarner interchange: See remarks.

Example: **UNB+UNOA:2+SUPPLIER+BORGWARNER+110315:0735+2000001'**

A B C D E F G

EDIFACT STANDARD DEFINITION				BorgWarner IMPLEMENTATION				REMARKS
RE F	TAG	NAME	ST	FT	S P	ST	FT	
A B	S001 0001	<i>SYNTAX IDENTIFIER</i> Syntax identifier	M M			M M		"UNOA". "2" Indication of the syntax level and version used for this message. BorgWarner uses EDIFACT syntax level A, version 2
	0002	Syntax version number	M	n1	+	M	n1	
C	S002 0004	<i>INTERCHANGE SENDER</i> Sender identification	M M	an..35	:	M M	an..35	Communication code/mailbox number of the party originating the message. Qualifiers to be determined by trading partner relationship. (not required)
	0007	Identification code qualifier	C	an..4	:	C	an..4	
	0008	Address for Reverse Routing	C	an..14	+			
D	S003 0010	<i>INTERCHANGE RECIPIENT</i> Recipient identification	M M	an..35	:	M M	an..35	Communication code/mailbox number of the party receiving the message. Qualifiers to be determined by trading partner relationship. (not required)
	0007	Identification code qualifier	C	an..4	:	C	an..4	
	0014	Routing address	C	an..14	+			
E F	S004 0017	<i>DATE / TIME OF PREPARATION</i> Date of preparation	M M	n6	:	M M	n6	YYMMDD format HHMM format
	0019	Time of preparation	M	n4	+	M	n4	
G	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	+	M	an..14	For structure of the ICR number used by BorgWarner see COMMENTS below. The ICR number is UNIQUE within a year.
	S005 0022	<i>RECIPIENTS REFERENCE PASSWORD</i> Recipient's reference / password	C M					
	0025	Recipient's reference / password qualifier	C	an2	+			

0026	APPLICATION REFERENCE	C	an..14	+	C	an..14	"DESADV". See also comments below.
0029	PROCESSING PRIORITY CODE	C	a1	+			
0031	ACKNOWLEDGEMENT REQUEST	C	n1	+			
0032	COMMUNICATIONS AGREEMENT ID	C	an..35	+			
0035	TEST INDICATOR	C	n1	'			

0010 UNH - MESSAGE HEADER

Segment group: none Level: 0
 EDIFACT status: mandatory. BorgWarner status: mandatory.
 Maximum use: 1 per message. BorgWarner occurrences: 1 per message.
 Function: UNH is a service segment starting and uniquely identifying a message. The message type code for the Despatch Advice (ASN) message is DESADV.
 BorgWarner interchange: see remarks.

Example: **UNH+1+DESADV:D:96A:UN'**
 A B C D E

EDIFACT STANDARD DEFINITION			BorgWarner IMPLEMENTATION					
RE TAG	NAME	ST	FT	SP	ST	FT	REMARKS	
A	0062	MESSAGE REFERENCE NUMBER	M	an..14	+	M	an..14	Message Control number assigned by the sender to the message. See comments below.
	S009	<i>MESSAGE IDENTIFIER</i>	M			M		
B	0065	Message type	M	an..6	:	M	an..6	“DESADV”.
C	0052	Message version number	M	an..3	:	M	an..3	“D”.
D	0054	Message release number	M	an..3	:	M	an..3	“96A”
E	0051	Controlling agency	M	an..2	:	M	an..2	“UN”.
	0057	Association assigned code	C	an..6	+			
	0068	COMMON ACCESS REFERENCE	C	an..35	+	M	An...35	
	S010	<i>STATUS OF TRANSFER</i>	C					
	0070	Sequence of transfer	M	n..2	:			
	0073	First and last transfer	C	a1	'			

500 UNT - MESSAGE TRAILER

Segment group: none Level: 0
 EDIFACT status: mandatory BorgWarner status: mandatory
 Maximum use: 1 per message BorgWarner occurrences: 1 per message
 Function: service segment ending a message, giving the total number of segments in the message and the control reference number of the message.
 BorgWarner interchange: see remarks.

Example: **UNT+99+1'**
 A B

EDIFACT STANDARD DEFINITION			BorgWarner IMPLEMENTATION					
RE	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0074	NUMBER OF SEGMENTS IN THE MESSAGE	M	n..6		M	n..6	Control count of the number of segments in the message, including UNH and UNT.
B	0062	MESSAGE REFERENCE NUMBER	M	an..14		M	an..14	Number must be identical to UNH - tag 0062

This part includes only the segments defined in the standard and used in the subset exchanged between BorgWarner and its Trading Partners. The segments are described in the same sequence as they appear in the message.

SEGMENT: **BGM** BEGINNING OF MESSAGE

Position: 0020
 Group:
 Level: 0
 Usage: Mandatory
 Max Use: 1
 Purpose: To indicate the type and function of a message and to transmit the identifying number.
 Syntax Notes:
 Semantic Notes:
 Comments:

Notes: This segment identifies the business practice established by the trading partners as defined by component element 1000.

BGM+351+123456789+9'

Data Element Summary

Usage	Data Element	Component Element	Name	Attributes
	C002		DOCUMENT/MESSAGE NAME	C
>>		1001	Document/message name, coded Identification of a type of document/message by code or name. Code preferred. Document/message identifier expressed in code.	C an..3
			351 Despatch advice	
			Document/message by means of which the seller or consignor informs the consignee about the despatch of goods.	
X		1131	Code list qualifier Identification of a code list.	C an..3
			Refer to D96A Data Element Dictionary for acceptable code values.	
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
			Refer to D96A Data Element Dictionary for acceptable code values.	
X		1000	Document/message name Plain language identifier specifying the function of a document/message.	C an..35
>>	C106		DOCUMENT/MESSAGE IDENTIFICATION Identification of a document/message by its number and eventually its version or revision.	C
>>		1004	Document/message number Reference number assigned to the document/message by the issuer.	C an..35
			A unique control number, commonly called a Shipment Identification Number (SID), assigned by the original shipper to identify a specific shipment. This unique control number cannot be repeated within a one year period. This	

			number must be referenced on both the packing list and the bill of lading as the Shipment Identification Number (SID).		
X	1056	Version		C	an..9
			To specify the version number or name of an object.		
X	1060	Revision number		C	an..6
			To specify a revision number.		
>>	1225	MESSAGE FUNCTION, CODED		C	an..3
			Code indicating the function of the message.		
		9	Original		
			Initial transmission related to a given transaction.		
			The issuer's first transmission of a message for a particular SID (1004).		
X	4343	RESPONSE TYPE, CODED		C	an..3
			Code specifying the type of acknowledgment required or transmitted.		
			Refer to D96A Data Element Dictionary for acceptable code values.		

SEGMENT: **DTM** DATE/TIME/PERIOD

Position: 0030
 Group:
 Level: 1
 Usage: Mandatory
 Max Use: 2
 Purpose: To specify date, and/or time, or period.
 Syntax Notes:
 Semantic Notes:
 Comments:

Notes:

Three iterations of the DTM are mandatory to specify:

- The message issue date using code 137 in component element 2005,
- The date and time of the shipment.
- The expected delivery date.

DTM+137:201103150130:203'

Data Element Summary

<u>Usage</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C507		DATE/TIME/PERIOD	M
			Date and/or time, or period relevant to the specified date/time/period type.	
>>		2005	Date/time/period qualifier	M an..3
			Code giving specific meaning to a date, time or period.	
			Three iterations of the DTM segment are mandatory, using code 137.	
			137 Document/message date/time	
			(2006) Date/time when a document/message is issued.	
>>		2380	Date/time/period	C an..35
			The value of a date, a date and time, a time or of a period in a specified representation.	
>>		2379	Date/time/period format qualifier	C an..3
			Specification of the representation of a date, a date and time or of a period.	
			203 CCYMMDDHHMM	
			Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	

SEGMENT: MEA MEASUREMENTS

Position: 0050
 Group:
 Level: 1
 Usage: Conditional (Optional)
 Max Use: 5
 Purpose: To specify physical measurements, including dimension tolerances, weights and counts.
 Dependency Notes:
 Semantic Notes:
 Comments:

Notes:

Two iterations of the MEA are required to indicate number of lading units and the weight of the shipment:

MEA+AAX+AAD+KGM:315'

MEA+AAX+AAC+KGM:283'

Data Element Summary

<u>Usage</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	6311		MEASUREMENT PURPOSE QUALIFIER Specification of the purpose of the measurement.	M an..3
		AAX	Consignment measurement Measurement related to a consignment; to be specified by the measurement code dimension value.	
	C502		MEASUREMENT DETAILS Identification of measurement type.	C
>>		6313	Property measured, coded Specification of the property measured.	C an..3
		AAD	Total Gross weight	
		AAC	Total Net weight	
X		6321	Measurement significance, coded Code specifying the significance of a measurement value. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..3
X		6155	Measurement attribute identification Code used to specify non-discrete measurement values. Refer to D.97A Data Element Dictionary for acceptable code values.	C an..17
X		6154	Measurement attribute To specify non-discrete measurement values.	C an..70
	C174		VALUE/RANGE Measurement value and relevant minimum and maximum tolerances in that order.	C
>>		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	M an..3
			See UN/ECE Trade Recommendation 20. GM will accept the following: KGM- kilograms LBR - pounds C62 - pieces	

>>	6314	Measurement value Value of the measured unit.	C	an..18
		SPO accepts numeric values only. NO decimals will be accepted.		
X	6162	Range minimum Minimum of a range.	C	n..18
X	6152	Range maximum Maximum of a range.	C	n..18
X	6432	Significant digits To specify the number of significant digits.	C	n..2
X	7383	SURFACE/LAYER INDICATOR, CODED Code indicating the surface or layer of a product that is being described. Refer to D.97A Data Element Dictionary for acceptable code values.	C	an..3

GROUP: **RFF** SEGMENT GROUP 1: REFERENCE

Position: 0070

Group:

Level: 1

Usage: Conditional (Optional)

Max Use: 10 (1)

Purpose:

Segment Summary

<u>Usage</u>	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
Must Use	0080	RFF	Reference	M	1	

SEGMENT: RFF REFERENCE

Position: 0080 (Trigger Segment)
Group: Segment Group 1 (Reference) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To specify a reference.

Dependency Notes:

Semantic Notes:

Comments:

Notes: A single iteration is requested to provide a carrier's identifier for the entire consignment.
 RFF+AAS:DW12345'

Data Element Summary

<u>Usage</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C506		REFERENCE Identification of a reference.	M
>>		1153	Reference qualifier Code giving specific meaning to a reference segment or a reference number. AAS Transport document number	M an..3
>>		1154	Reference number Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	C an..35
X		1156	Line number Number of the line in the document/message referenced in 1154 Reference number.	C an..6
X		4000	Reference version number To uniquely identify a reference by its revision number.	C an..35

GROUP: **NAD** SEGMENT GROUP 2: NAME AND ADDRESS

Position: 0100
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 10
Purpose:

Segment Summary

<u>Usage</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
Must Use	0110	NAD	Name and Address	M	1	
	0120	LOC	Place/Location Identification	C	10	

SEGMENT: **NAD** NAME AND ADDRESS

Position: 0110 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.

Dependency Notes:

Semantic Notes:

Comments:

Notes: Three iterations are required to specify all parties involved (CZ, SE, CN and CA).
 CZ –Consignor – BorgWarner Sales Organization number
 SE - Seller – Borg Warner Sales Organization number
 CN - Consignee
 CA - Carrier

NAD+CZ+4500::92'
 NAD+SE+4500::92'
 NAD+CN+CONSINGEE::92'
 LOC+11::92'
 NAD+CA+CARRIER::92'

Data Element Summary

<u>Usage</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3035		PARTY QUALIFIER Code giving specific meaning to a party. Three iterations of the NAD are mandatory, using codes MI, ST, and SU codes. CZ Consignor SE Seller CN Consignee CA Carrier	M an..3
>>	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C
>>		3039	Party id. identification Code identifying a party involved in a transaction. See under 3035 above for applicable, qualifier-dependent identifiers.	M an..35
X		1131	Code list qualifier Identification of a code list. Refer to D96A Data Element Dictionary for acceptable code values.	C an..3
>>		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 92 Assigned by buyer or buyer's agent	C an..3
X	C058		NAME AND ADDRESS	C

			Unstructured name and address: one to five lines.		
X		3124	Name and address line Free form name and address description.	M	an..35
X		3124	Name and address line Free form name and address description.	C	an..35
X		3124	Name and address line Free form name and address description.	C	an..35
X		3124	Name and address line Free form name and address description.	C	an..35
X		3124	Name and address line Free form name and address description.	C	an..35
X	C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C	
X		3036	Party name Name of a party involved in a transaction.	M	an..35
		3036	Party name Name of a party involved in a transaction.	C	an..35
X		3036	Party name Name of a party involved in a transaction.	C	an..35
X		3036	Party name Name of a party involved in a transaction.	C	an..35
X		3036	Party name Name of a party involved in a transaction.	C	an..35
X		3045	Party name format, coded Specification of the representation of a party name. Refer to D96A Data Element Dictionary for acceptable code values.	C	an..3
	C059		STREET Street address and/or PO Box number in a structured address: one to three lines.	C	
		3042	Street and number/p.o. box Street and number in plain language, or Post Office Box No.	M	an..35
		3042	Street and number/p.o. box Street and number in plain language, or Post Office Box No.	C	an..35
X		3042	Street and number/p.o. box Street and number in plain language, or Post Office Box No.	C	an..35
X		3042	Street and number/p.o. box Street and number in plain language, or Post Office Box No.	C	an..35
	3164		CITY NAME Name of a city (a town, a village) for addressing purposes.	C	an..35
	3229		COUNTRY SUB-ENTITY IDENTIFICATION Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.	C	an..9
	3251		POSTCODE IDENTIFICATION Code defining postal zones or addresses.	C	an..9
	3207		COUNTRY, CODED Identification of the name of a country or other geographical entity as specified in ISO 3166.	C	an..3

SEGMENT: **LO** ; PLACE/LOCATION IDENTIFICATION

Position: 0120 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 10
Purpose: To specify places/locations related to the party specified in the NAD+CN segment

Dependency Notes:

Semantic Notes:

Comments:

Notes: LOC+11+::92'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3227		Place/Location qualifer Qualifier giving a specific meaning to the transport details. 11 Place/port of discharge	M an..3
>>	3055		Code list responsible agency, coded 92 Assigned by buyer or buyer's agent	M an..3

GROUP: **CPS** SEGMENT GROUP 10: CONSIGNMENT PACKING SEQUENCE

Position: 0370
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 9999
Purpose: Suppliers should force a CPS segment for each outermost package in the shipment and then associate the line items and quantities associated with that package. There is no need to send additional package identification or marks in the ASN.

Segment Summary

<u>Usage</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
Must Use	0380	CPS	Consignment Packing Sequence	M	1	
Not Used	0400		Segment Group 11: Package	C		9999
Must Use	0550		Segment Group 15: Line Item	C		9999

SEGMENT: CPS CONSIGNMENT PACKING SEQUENCE

Position: 0380 (Trigger Segment)
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers.

Dependency Notes:**Semantic Notes:****Comments:****Notes:** CPS+1++1'**Data Element Summary**

<u>Usage</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	7164		HIERARCHICAL ID. NUMBER A unique number assigned by the sender to identify a level within a hierarchical structure.	M an..12
X	7166		HIERARCHICAL PARENT ID. Identification number of the next higher hierarchical data segment in a hierarchical structure.	C an..12
>>	7075		PACKAGING LEVEL, CODED Indication of level of packaging specified. Inner	C an..3

SEGMENT: PAC PACKAGE

Position: 0410
Group: Segment Group 11 (Line Item) Conditional (Required)
Level: 1
Usage: Optional
Max Use: 10
Purpose: Specify the number and type of the packages/physical units and the physical type of packaging for the despatched goods

Dependency Notes:**Semantic Notes:****Comments:**

Notes: PAC+12++NIL::92'

Data Element Summary

	Data	Component		
	<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	7224		Number of Packages Quantity information in a transaction, qualified when relevant.	M
>>	C202		Package Type Quantity information in a transaction, qualified when relevant.	M
>>		7065	Type of packages identification	M
>>		3055	Code List responsible agency, coded	M

SEGMENT: **QTY** QUANTITY

Position: 0430
Group: Segment Group 11 (Line Item) Conditional (Required)
Level: 1
Usage: Optional
Max Use: 10
Purpose: To specify a pertinent quantity.

Dependency Notes:

Semantic Notes:

Comments:

Notes: QTY+52:1200'

Data Element Summary

	Data	Component		
	<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M
>>		6063	Quantity qualifier Code giving specific meaning to a quantity.	M an..3
			52 Quantity per pack	
>>		6060	Quantity Numeric value of a quantity.	M n..15
		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	C an..3

GROUP: **PCI** SEGMENT GROUP 13: PACKAGE IDENTIFICATION

Position: 0470
Group: Segment Group 11 (Package) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1000
Purpose:

Segment Summary

<u>Usage</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
Must Use	0480	PCI	Package Identification	M	1	
Must Use	0490	RFF	Reference	M	1	
Must Use	0500	GIR	Related Identification Numbers	M	1	

SEGMENT: PCI PACKAGE IDENTIFICATION

Position: 0480 (Trigger Segment)
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 3
Usage: Optional
Max Use: 1
Purpose: To specify markings and labels on individual packages or physical units.
Dependency Notes:
Semantic Notes:
Comments:

Notes: The purpose of the PCI Segment in this guidelines is to serve as the EDIFACT-required trigger for the following RFF segment. The code value "16" has no specific meaning in version 1 of this guidelines, but serves as a placeholder for marking instructions that may be issued at a future time.

PCI+++M::92'

PCI+++S::92'

Data Element Summary

	Data Element	Component Element	Name	Attributes
X	4233		MARKING INSTRUCTIONS, CODED Code indicating instructions on how specified packages or physical units should be marked.	C an..3
X	C210		MARKS & LABELS Shipping marks on packages in free text; one to ten lines.	C
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35
X		7102	Shipping marks Marks and numbers identifying individual packages.	C an..35

X	8275	CONTAINER/PACKAGE STATUS, CODED	C	an..3
		Code to identify whether goods of separate description or comprising separate consignments are contained in the same external packaging or to indicate that a container or similar unit load device is empty. Refer to D96A Data Element Dictionary for acceptable code values.		
X	C827	TYPE OF MARKING	C	
		Specification of the type of marking that reflects the method that was used and the conventions adhered to for marking (e.g. of packages).		
>>	7511	Type of marking, coded	C	an..3
		To specify the type of marking that reflects the method and the conventions adhered to for marking.		
X	1131	Code list qualifier	C	an..3
		Identification of a code list. Refer to D96A Data Element Dictionary for acceptable code values.		
>>	3055	Code list responsible agency, coded	C	an..3
		Code identifying the agency responsible for a code list. Refer to D96A Data Element Dictionary for acceptable code values. 92 Assigned by buyer or buyer's agent		

SEGMENT: RFF REFERENCE

Position: 0490
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 4
Usage: Optional
Max Use: 1
Purpose: To specify a reference.
Dependency Notes:
Semantic Notes:
Comments:
Notes: RFF+AAT:446640500'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	C506		REFERENCE Identification of a reference.	M
>>		1153	Reference qualifier Code giving specific meaning to a reference segment or a reference number. AAT Master label number	M an..3
		1154	Reference number Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	C an..35
X		1156	Line number Number of the line in the document/message referenced in 1154 Reference number.	C an..6
X		4000	Reference version number To uniquely identify a reference by its revision number.	C an..35

SEGMENT: **GIR** RELATED IDENTIFICATION NUMBERS

Position: 0510
Group: Segment Group 13 (Package Identification) Conditional (Optional)
Level: 4
Usage: Optional
Max Use: 1
Purpose: To specify markings and labels on individual packages or physical units.
Dependency Notes:
Semantic Notes:
Comments:
Notes:

GIR+3+123456789:ML'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	7297		SET IDENTIFICATION QUALIFIER Identification of the type of set	M an..3
>>	C206	3	Package IDENTIFICATION NUMBER The identification of an object	M
>>		7402	Identity number Marks and numbers identifying individual packages.	C an..6
>>		7405	Identity number qualifier Code specifying the type/source of identity number ML Marking/label number	C an..35

GROUP: **LIN** SEGMENT GROUP 15: LINE ITEM

Position: 0550
Group: Segment Group 10 (Consignment Packing Sequence) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 9999
Purpose:

Segment Summary

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
Must Use	0560	LIN	Line Item	M	1	
Must Use	0600	QTY	Quantity	C	10	
	0710		Segment Group 16: Reference	C		99

SEGMENT: **LIN** LINE ITEM

Position: 0560 (Trigger Segment)
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: To identify a line item and configuration.

Dependency Notes:

Semantic Notes:

Comments:

Notes: LIN+++10243389:IN+0'

Data Element Summary

	Data Element	Component Element	Name	Attributes
X	1082		LINE ITEM NUMBER Serial number designating each separate item within a series of articles.	C an..6
X	1229		ACTION REQUEST/NOTIFICATION, CODED Code specifying the action to be taken or already taken. Refer to D96A Data Element Dictionary for acceptable code values.	C an..3
>>	C212		ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	C
>>		7140	Item number A number allocated to a group or item. BorgWarner part number.	C an..35
>>		7143	Item number type, coded Identification of the type of item number. IN Buyer's item number	C an..3
X		1131	Code list qualifier Identification of a code list. Refer to D96A Data Element Dictionary for acceptable code values.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. Refer to D96A Data Element Dictionary for acceptable code values.	C an..3
X	C829		SUB-LINE INFORMATION To provide an indication that a segment or segment group is used to contain sub-line or sub-line item information and to optionally enable the sub-line to be identified.	C
X		5495	Sub-line indicator, coded Indication that the segment and/or segment group is used for sub-line item information. Refer to D96A Data Element Dictionary for acceptable code values.	C an..3
X		1082	Line item number Serial number designating each separate item within a series of articles.	C an..6
>>	1222		CONFIGURATION LEVEL Number indicating the level of an object which is in a hierarchy.	C n..2
X	7083		CONFIGURATION, CODED Code indicating the status of the sub-line item in the configuration. Refer to D96A Data Element Dictionary for acceptable code values.	C an..3

SEGMENT: **PIA** Additional Product ID

Position: 0570
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 2
Usage: Optional
Max Use: 1 per preceding LIN
Purpose: Segment providing additional product identification.

Dependency Notes:

Semantic Notes:

Comments:

Notes: PIA+1+112593:SA'

Data Element Summary

Data	Component		
<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4347	PRODUCT ID. FUNCTION QUALIFIER Indication of the function of the product code. " 1" = Additional identification	M an..1
>>	C212	ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	M
>>	7140	Item number A number allocated to a group or item. BorgWarner Material/Product Number	M an..35
>>	7143	Item number type, coded Identification of the type of item number.	M an..3
X	1131	Code list qualifier	X an..3
X	3055	Code list responsible agency, coded	X an..3
X	C212	ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	M
X	7140	Item number A number allocated to a group or item.	M an..35
X	7143	Identification of Suppliers' article number Mandatory Identification of the type of item number. SA Suppliers Article number SA = Number assigned by ultimate customer to identify relevant article Transmitted by CCA on Suppliers DELJIT	M an..3
X	1131	Code list qualifier	X an..3
X	3055	Code list responsible agency, coded	X an..3
X	C212	ITEM NUMBER IDENTIFICATION Goods identification for a specified source.	M

X		7140	Item number	M	an..35
			A number allocated to a group or item.		
			Identification of the Ultimate Customers Article number Mandatory on all DESADV. Transmitted by CCA on Suppliers DELJIT		
X		7143	Item number type, coded	M	an..3
			Identification of the type of item number.		
			UA Product Service Identification number		
			UA = Number assigned by ultimate customer to identify relevant article. Transmitted by CCA on Suppliers DELJIT		
X		1131	Code list qualifier	X	an..3
X		3055	Code list responsible agency, coded	X	an..3
X	C212		ITEM NUMBER IDENTIFICATION	C	
			Goods identification for a specified source.		
X		7140	Item number	C	an..35
X		7143	Item number type, coded	C	an..3
X		1131	Code list qualifier	C	an..3
X		3055	Code list responsible agency, coded	C	an..3
X	C212		ITEM NUMBER IDENTIFICATION	C	
			Goods identification for a specified source.		
X		7140	Item number	C	an..35
X		7143	Item number type, coded	C	an..3
X		1131	Code list qualifier	C	an..3
X		3055	Code list responsible agency, coded	C	an..3

SEGMENT: QTY QUANTITY

Position: 0600
Group: Segment Group 15 (Line Item) Conditional (Required)
Level: 3
Usage: Mandatory
Max Use: 10
Purpose: To specify a pertinent quantity.

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Iterations of the QTY Segment is required to indicate the shipped quantity.
--YTD CUM quantities are required and are processed.
--All items should have UOM of "EA".
QTY+12:200'

Data Element Summary

	Data	Component		
	Element	Element	Name	Attributes
>>	C186		QUANTITY DETAILS Quantity information in a transaction, qualified when relevant.	M
>>		6063	Quantity qualifier Code giving specific meaning to a quantity. 12 Despatch quantity Quantity despatched by the seller.	M an..3
>>		6060	Quantity Numeric value of a quantity.	M n..15
		6411	Measure unit qualifier Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	C an..3

SEGMENT: **ALI** ADDITIONAL INFORMATION

Position: 0610
Group: Segment Group 15 (Conditional (Optional))
Level: 3
Usage: Optional
Max Use: 1
Purpose: To specify a special conditions

Dependency Notes:

Semantic Notes:

Comments:

Notes: ALI+ES'

Data Element Summary

	Data	Component	
	<u>Element</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
>>	3239	REFERENCE ES Country of origin -coded	M

SEGMENT: **RFF** REFERENCE

Position: 0720
Group: Segment Group 16 Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: To specify a reference.

Dependency Notes:

Semantic Notes:

Comments:

Notes: RFF+ON:123456789

Data Element Summary

	Data	Component		
	<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C506		REFERENCE Identification of a reference.	M
>>		1153	Reference qualifier Code giving specific meaning to a reference segment or a reference number. ON Purchase Order Number	M an..3
		1154	Reference number Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	C an..35
X		1156	Line number Number of the line in the document/message referenced in 1154 Reference number.	C an..6
X		4000	Reference version number To uniquely identify a reference by its revision number.	C an..35

DESADV SAMPLE MESSAGE

(the data presented in the sample message below is for demonstration purposes only)

UNB+UNOA:1+SUPPLIER+BORGWARNER+150416:1448+19939+ +DESADV'
UNH+20049+DESADV:D:96A:UN:A01051'
BGM+351+123456'
DTM+137:201504161236:203'
RFF+AAS:50010416'
NAD+CZ+4500::92'
NAD+SE+4500::92'
NAD+CN+CONSINGEE::92'
LOC+11+::92'
NAD+CA+CARRIER::92'
CPS+1++1'
PAC+12++NIL::92'
QTY+52:3500'
PCI++++M::92'
RFF+AAT:12345678'
GIR+3+104111111:ML'
GIR+3+104222222:ML'
LIN+++115811:IN++0'
QTY+12:42000'
ALI+ES'
RFF+ON:550002222'
CPS+2++1'
PAC+1++NIL::92'
QTY+52:360'
PCI++++M::92'
RFF+AAT:446000000'
GIR+3+104111111:ML'
GIR+3+104123456:ML'
LIN+++1118477:IN++0'
PIA+1+112593:SA'
QTY+12:17'
ALI+ES'
RFF+ON:5500011200'
CPS+3++1'
PAC+6480++NIL::92'
QTY+52:3500'
PCI++++S::92'
GIR+3+104222222:ML'
PCI++++S::92'
GIR+3+104666666:ML'
LIN+++120793:IN++0'
QTY+12:1'
ALI+ES'
RFF+ON:5500999999'
UNT+44+20049'
UNZ+1+19939'