STAR Parts Invoice/Shipment Interface Specification
Version 1.8.1

This specification will be in effect on 7/4/2010. STAR reserves the right to modify this specification at any time without prior consent.

STAR Data Transfer Specification
Parts Invoice/Shipment - Version 1.8.1

Revision History Summary

Revision Date	Effective Date	Version	Revision Description
12/13/1996	4/1/1997	1.0	Initial Version
6/13/1997	7/1/1997	1.1	Add information to header record per NADA request. Indicates who the file is from and if transactions is New, Update, or Replacement.
8/12/1999	9/1/1999	1.2	Added data elements to several records, changed some data element names, changed some data element attributes and clarified definitions per AMDSG/DSP Data Element subcommittee. Changed specification name to allow usage for parts shipment as well as inv
2/2/2000	8/1/2000	1.3	Defined required data elements on IDENT record, updated sample data. Changed name and description of superceded part to former part on Line Item record. Added Quantity Shipped to Line Item
7/27/2001	6/4/2002	1.4	Add Dealer Country to IDENT record, per GM's request. Added optional generic trailer record per GM's request.
3/29/2004	7/4/2004	1.5	Draft 1.14 03/29/04 Added Reference ID (DE# 112260) to all the DTS IDENT Records per GM's (MSumner) request (UniqueRequestID 003).
10/22/2004	7/4/2005	1.6	Draft 1.51 10/22/04 - Added Sender/Destination Party Id, Location Id, and Service Id fields to IDENT per GM Canada's request MOD ID 027.
6/13/2005	7/4/2006	1.7	Draft 1.61 06/13/05 -Modified the description of Interface Version (DE #100220) MODID 059.
8/9/2006	7/4/2007	1.7.1	1.7.1 08/09/06 CR127 BMW: Added DE 112360, 101180, 112330, 112350, 112320 to PI.LINEITEM. 08/21/06 CR131 Ford AU - Added DE 112390 to IDENT. 08/23/06 CR129 Ford AU: Added DE 112380 and DE 112370 to LINEITEM
6/26/2009	7/4/2010	1.8.1	1.8.1 MT922 Ford - Added DE 112700, 112710, 112720, 112730 to PI.LINEITEM

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File Format and Location

* Within the context of this specification, the file format must conform to the "STAR General File Format Requirements".
* The File name and its location must conform to the standards indicated in the "STAR" General File Format Requirements".

Record Format

* Within the context of this specification, the various record formats must conform to the "STAR General File Format" Requirements".

Record Identifiers

Record name	Record Identifier	Comments	Add/Change/ Inactivate
Identification	PI.IDENT	Must be the first record of the file. Occurs once for the entire file.	Change 1.7.1
Invoice Summary Information	PI.HEADER	Must be the first record of the transaction. Occurs once for each transaction.	Change 1.2
Sold To Information	PI.SOLDTO		Change 1.2
Ship To Information	PI.SHIPTO		Change 1.2
Line Item Information	PI.LINEITEM	Multiple entries of this record allowed. Must be grouped together	Change 1.8.1
Trailer Information	PI.TRAILER	Optional record that must be the last record in a file. Occurs once for the entire file. Counts the number of records in the file between the IDENT record and the TRAILER record - does not count the IDENT and TRAILER.	Add 1.4

Identification Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	PI.IDENT	n/a		PI.IDENT:	Literal as given - Must be the first record of the file. Occurs once for the entire file.	
1	DCS software creator code	Creator Name Code	100242	Yes	AD		
2	DCS software code name	Creator Software Code	100244	Yes	"ELITE 2.0"		
3	This is the version of the STAR data transfer specification (DTS) used to build the transaction prefaced with the CreatorNameCode.	Interface Version	100220	Yes	RR1.1		Changed 1.7
4	Date the transaction was created	Transaction Create Date	100430	Yes	19990602		
5	Time the transaction was created	Transaction Create Time	100440	Yes	131523		
6	Dealer code number	Dealer Number	100210	Yes	206501		
7	Dealer code store number (DMS assigned)	Store Number	100240		124		
8	Dealer code area number (DMS vendor assigned)	Area Number	100200		014		
9	Code for destination of file - Short Manufacturer or Short DSP code	Destination Name Code	106190	Yes	HO		
10	For which software destination file is intended (May not be known)	Destination Software	106200		DCS		
11	Transaction type code indicates action to be taken for all records in this transaction set	Transaction Type Code	106210		N		
12	Dealer country location	Dealer Country	108430		USA		Add 1.4

Identification Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
13	Enables the sending application to indicate the instance identifier of the event or task that caused the transaction to be created. This is used to correlate a response transaction to an originating transaction.	Reference ID	112260		12A435B	Users are not required to transmit the field unless their business partner requires it.That is, if it is on the inbound transaction, it must be put on responses to that transaction.	Add 1.5
14	The Sender Party Id field uniquely identifies the Sender of the message. This element can be used for parties within the Automotive Community as well as external parties. Party Id is not intended as a replacement for the Dealer Number. Suggested formats for OEMs or other large institutions include: DUNs Number, ShortMfgCode + DUNs, or ShortMfgCode. The suggested format for Dealers is: ShortMfgCode+Dealer Number.	Sender Party Id	112261		VW006942475	Literal as given	Added 1.6
15	The Sender Location Id field uniquely identifies the location of the Sender of a message. This Id may be aligned with a physical address or data centers. This field provides an additional level of granularity beyond the usage of the Party Id for additional routing and deliver of data.	Sender Location Id	112262		022360	Literal as given	Added 1.6
16	The Sender Service Id field identifies the particular service from which a message is being sent, e.g., an inventory service.	Sender Service Id	112263		Wholesale Inventory	Literal as given	Added 1.6

Identification Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
17	The Destination Party Id field uniquely identifies the Receiver of the message. This element can be used for parties within the Automotive Community as well as external parties. Party Id is not intended as a replacement for the Dealer Number. Suggested formats for OEMs or other large institutions include: DUNs Number, ShortMfgCode + DUNs, or ShortMfgCode. The suggested format for Dealers is: ShortMfgCode+Dealer Number.	Destination Party Id	112264		VW401110	Literal as given	Added 1.6
18	The Destination Location Id field uniquely identifies the location of the Receiver of a message. This Id may be aligned with a physical address or data centers. This field provides an additional level of granularity beyond the usage of the Party Id for additional routing and deliver of data.	Destination Location Id	112265		002520	Literal as given	Added 1.6
19	The Destination Service Id field identifies the particular service to which a message is being sent to, e.g., an inventory service.	Destination Service Id	112266		Wholesale Inventory	Literal as given	Added 1.6
20	Identifies the version of the user's implementation of the STAR standard. For example, the user may be on their second version of a STAR Parts Order DTS 1.0. In each version of a user implementation, the user may indicate additional STAR fields that they require to receive or STAR fields that they no longer require. NOTE: This version is not that same as the Interface Version which is the STAR DTS version number used for implementation prefaced by the CreatorNameCode.	Implementation Version Number	112390		1.1		Added 1.7.1

Invoice Summary Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	PI.HEADER	n/a		PI.HEADER:	Literal as given. Must be first record in transaction. Occurs oncer for each transaction.	
1	Number for Invoice assigned by manufacturer	Invoice Number	100740		1007090066		
2	Date invoice was created	Invoice Date	100730		19961216		
3	Invoice or Shipment type	Transaction Type	100920		RETAIL		
4	Dealer's regular Parts Distribution Center (PDC)	Assigned PDC	100660		50		
5	Parts Distribution Center (PDC) for this shipment	Shipping PDC	101050		10		
6	When payment is due and/or discounts allowed	Pay Terms	100990		"NET 30 DAYS"		
7	Parts shipping date	Ship Date	100732		19961212		
8	Carrier used for delivery of part order	Ship Carrier	101040		3		
9	Dealer-assigned order number for this Invoice/Shipper	Reference Number	101000		D8280708		
10	Net amount of stock order	Stock Order Net	100736		500.00		
11	Dealer's Stock Adjustment Credit earned on this invoice	Stock Adjustment Value	101060		220.00		
12	Invoice total for parts only	Total Parts Amount	101130		280.00		
13	Invoice total for accessories only	Total Accessories Amount	101100		120.00		
14	Invoice total for miscellaneous only	Total Other Amount	101120		0.00		
15	Interim total prior to adjustments	Subtotal Before Discounts	101080		400.00		
16	Discount Amount for parts only	Parts Discount Amount	100980		0.00		

Invoice Summary Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
17			100650				
18	Discount Amount for miscellaneous only	Other Discount Amount	100950		0.00		
19	Total discounts	Total Discount Amount	101110		0.00		
20	Interim total less discounts	Subtotal Including Discount	101090		400.00		
21	Parts value at dealer unit cost times quantity	Extended Amount	100738		400.00		
22	INACTIVE -DO NOT USE - Identifies parts that are eligible for dealer of excellence participation	DOE Eligible Parts Flag	100722				Inactive 1.2
23	INACTIVE - DO NOT USE - Exchange cores flag	Exchange Cores Flag	100724				Inactive 1.2
24	INACTIVE - DO NOT USE - Identifies tires and tube associated items	Tires And Tubes Flag	100726				Inactive 1.2
25	Allowed amount for lost discounts	Allowances Lost Discounts	100728		0.00		
26	INACTIVE - DO NOT USE - Identifies stationary office supply items	Stationery Office Supplies Flag	100742				Inactive 1.2
27	INACTIVE - DO NOT USE - Freight express cartage flag	Freight Express Cartage Flag	100744				Inactive 1.2
28	Total Miscellaneous invoice expenses	Total Miscellaneous Expense	100746		0.00		
29	Total Excise tax for invoice	Excise Tax	100700		0.00		
30	Total Sales tax for invoice	Invoice Sales Tax	100800		0.00		
31	Total invoice additional costs for handling and restocking of returned items	Handling Restock Charge	100710		25.05		
32	Total service / freight charges for invoice	Service Freight Charge	100734		20.00		

Invoice Summary Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
33	Total additional costs for delivery	Delivery Charge	100680		20.00		
34	Grand total for invoice	Invoice Total	100910		445.25		
35	Pick and pack date of order/shipment	Order Process Date	106980		19990615		Add 1.2
36	Sales promotion code on invoice/shipment, if any	Sales Promotion Code	107630		A		Add 1.2
37	Code designation how the order was shipped (i.e., Overnight)	Process Code	107640		1D		Changed 1.3

Sold To Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	PI.SOLDTO	n/a		PI.SOLDTO:	Literal as given	
1	Name of business entity invoiced for parts order(s)	Sold To Business Name	100880		"PETER MASON"		
2	Address of business entity invoiced for parts order(s)	Sold To Address	100860		""1418 BRICK ST"		
3	City of business entity parts were sold to.	Sold To City	100870		CLARKVILLE		
4	State or province of business entity parts were sold to	Sold To State	100890		CA		
5	Zip or Postal Code of business entity parts were sold to	Sold To Zip Code	100900		90554		
6	Dealer code of business entity invoiced for part order(s)	Sold To Dealer Code	100748		1201		
7	DBA name of business entity invoiced for parts order(s)	Sold To DBA Name	107680		"SOUTHWAY TOYOTA"		Add 1.2

Ship To Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	PI.SHIPTO	n/a		PI.SHIPTO: Literal as given		
1	Name of business entity parts were shipped to	Ship To Business Name	100830		"PETER MASON"		
2	Address of business entity parts were shipped to	Ship To Address	100810		"1418 BRICK ST"		
3	City of business entity parts were shipped to	Ship To City	100820		CLARKVILLE		
4	State or province of business entity parts were shipped to	Ship To State	100840		CA		
5	Zip or Postal Code of business entity parts were shipped to	Ship To Zip	100850		90554		
6	Dealer code of business entity parts were shipped to	Ship To Dealer Code	107690		1201		Add 1.2
7	DBA names of business entity parts were shipped to	Ship To DBA Name	107700		"SOUTHWAY TOYOTA"		Add 1.2

Line Item Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	PI.LINEITEM	n/a		PI.LINEITEM:	Literal as given - Multiple entries of this record allowed. Must be grouped together	
1	Item designation other than part number (i.e., line item number of the order/shipment)	Line Item Number	100940		0001		
2	Part number identifier - Part number, unless part type designates a manufacturer code	Part Number	104780		60400-SF9-A0022		
3	Specifies whether the parts are indicated by manufacturer part code or Part Number	Part Type	105100		P		
4	Part number detail description	Part Description	104770		"BULKHEAD COMP., FR."		
5	Quantity of part ordered	Part Quantity	100780		1		
6	Quantity of part on back order	Back Order Quantity	100752		0		
7	Dealer unit cost of part	Line Item Unit Price	100930		102.61		
8	Original order number for line item	Order Reference Number	100790		S0011212		
9	Parts value at dealer unit cost times quantity	Line Item Extended Price	100970		102.61		
10	Percentage of discount	Discount Percentage	100690		0		
11	Code for stock return allowance	Stock Return Allowance Code	101070		P		
12	Indicates whether or not sales tax applies	Part Sales Tax Flag	101030		Y		
13	Designates the reason the line item part was returned (i.e., Shortage, error, quality problem, cores return, obsolete, etc.)	Return Reason Code	101020		NU		

Line Item Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
14	Code for restocking item (i.e.; manufacturer product division)	Restock Code	101010		BCA		
15	Identifies class of part (i.e., accessories, replacement, etc.)	Class Code	100670		R1		
16	Gifts, literature, keys, regular parts - Inventory Class code (if any) used by manufacturer	Part Class	100960		C5		
17	INACTIVE - DO NOT USE - Format indicator for part	Invoice Part Code	100750				Inactive 1.2
18	Package quantity of part (number of units in each selling package)	Unit Pack Size	101140		1		
19	Former Part Number for Substitution or Replacement	Former Part Number	106680		T95284X		Changed 1.3
20	Pick and pack date of individual line item in order/shipment	Order Line Item Process Date	107650		19960610		Add 1.2
21	Sales promotion code on invoice/shipment for line item if different from header promotion code	Sales Promotion Code for Line Item	107660		1A		Add 1.2
22	Code designation how the line item on the order was shipped if different from header process code	Process Code for Line Item	107670		2D		Add 1.2
23	Total tax rate that would be charged for part (i.e., City + State + …..)	Part Sales Tax Rate	107780		10.125		Add 1.2
24	Code designating the inventory rate at which item turns. Indicates national demand. Usually A, B, C, etc.	Inventory Movement/Demand Code	107790		A		Add 1.2
25	Quantity of part shipped	Part Quantity Shipped	109270		1		Add 1.3
26	The original part order type entered or selected at dealership.	Original Order Type	112360		STK		Added 1.7.1

Line Item Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
27	Free form text for dealer per line item of part order for comments or additional part information	Parts Order Line Item Comments	101180		"CALL CUSTOMER WHEN PART ARRIVES"		Added 1.7.1
28	Delivery number as assigned in the manufacturer's system.	Manufacturer Delivery Number	112330		1234567891		Added 1.7.1
29	Date when the part order was entered by the dealer into the manufacturer's system.	Part Order Date	112350				Added 1.7.1
30	Manufacturer assigned order number	Manufacturer Order Number	112320		1234567891		Added 1.7.1
31	Case number in shipment.	Case Carton Number	112380		1134.02		Added 1.7.1
32	Indicates that the parts shipped originate from a previous back order.	Back Order Item Indicator	112370		1		Added 1.7.1
33	Indicates that the part qualifies for a bulk buy discount.	Bulk Buy Indicator	112700		Y		Added 1.8.1
34	Additional charge over the list price to ensure the return of the displaced assembly. Usually applicable to Remanufactured Products.	Part Deposit Amount	112710				Added 1.8.1
35	Additional service charge / penalty charged for urgent orders placed.	Order Administrative Charge Amount	112720				Added 1.8.1
36	Denotes that the part was orginally supplied & invoiced at no cost.	Originally Uncharged Indicator	112730		N		Added 1.8.1

Trailer Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	PI.TRAILER	n/a		PI.TRAILER:	Literal as given - Optional record that must be the last record in a file. Occurs once for the entire file. Counts the number of records in the file between the IDENT record and the TRAILER record - does not count the IDENT and TRAILER.	Add 1.4
1	Number of detail records contained in this file	Number of Records	110500		45		Add 1.4