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- [HELP](#) -

APAA Implementation Guidelines for Electronic Cataloging - 832 Price/Sales Catalog

832 Price/Sales Catalog

Functional Group ID=**SC**

Introduction:

This standard provides the format and establishes the data contents of a price/sales catalog transaction set. The price/sales catalog transaction set provides for customary and established business and industry practice relative to furnishing or requesting the price of goods or services in the form of a catalog.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BCT	Beginning Segment for Price/Sales Catalog	M	1		
	030	NTE	Note/Special Instruction	F	100		
	050	REF	Reference Numbers	O	12		
Rec	060	PER	Administrative Communications Contact	O	3		
	070	DTM	Date/Time/Period	O	10		
	LOOP ID - 1					200	
	150	N1	Name	O	1		
	160	N2	Additional Name Information	O	2		
	170	N3	Address Information	O	2		
	180	N4	Geographic Location	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
	LOOP ID - LIN					700000	
	010	LIN	Item Identification	O	1		
	020	SLN	Subline Item Detail	O	100		
	030	DTM	Date/Time/Period	O	10		
	040	REF	Reference Numbers	O	12		
	070	PID	Product/Item Description	O	200		
	090	PKG	Marking, Packaging, Loading	O	25		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n1
Must Use	020	SE	Transaction Set Trailer	M	1		

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Transaction Set Notes:

1. Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

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Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
Comments: 1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Use 832 Identifier code to represent Price/Sales catalog	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9

Segment: **BCT** Beginning Segment for Price/Sales Catalog
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BCT01	683	Catalog Purpose Code Code indicating purpose of catalog Use the code SC for Sales Catalog SC Sales Catalog	M ID 2/2
Must Use	BCT02	684	Catalog Number Identifying number for catalog or superseded catalog Use the catalog reference number. Example: EC9706-1	M AN 1/15
	BCT03	685	Catalog Version Number Identifying version number of catalog or superseded catalog	O AN 1/15
	BCT04	686	Catalog Revision Number Identifying revision number of catalog or superseded catalog	O AN 1/6
	BCT09	352	Description A free-form description to clarify the related data elements and their content Example: 1996 Borg-Warner Remanufactured Control Modules	O AN 1/80
	BCT10	353	Transaction Set Purpose Code Code identifying purpose of transaction set Used to indicate original, add, delete, etc. Example: 00=Original, 02=Add, 03=Delete, 04=Change, etc. Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **NTE** Note/Special Instruction

Position: 030

Loop:

Level: Heading

Usage: Floating

Max Use: 100

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

Syntax Notes:

Semantic Notes:

Comments: 1 The NTE segment permits free-form information/data which, under ANSIX12 standard implementations, is not machine processable, in an automated environment. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
NTE01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies OTH Other Instructions	O ID 3/3
Must Use	NTE02	3 Free Form Message Free-form text	M AN 1/60

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To Specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. 43 Supporting Document Number Supports or clarifies information and values represented in a document	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Version Number from APAA Make/Model Table - i.e. MM_0997	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content APAA Make/Model Table Reference Number	X AN 1/80

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional (Recommended)
Max Use: 3
Purpose: To Identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER 03 or PER 04 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named SU Supplier Contact Person to contact for questions, etc.	M ID 2/2
	PER02	93	Name Free-form name	O AN 1/35
	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail TE Telephone	X ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 7/25

Segment: **DTM** Date/Time/Period
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 or DTM03 is required..
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 007 Effective	M ID 3/3
	DTM02	373	Date Date (YYMMDD) Date catalog information becomes effective.	X DT 6/6
	DTM03	337	Time Time expressed in 24-hour clock time (Time range: 000000 through 23595)	X TM 4/6
	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O NO 2/2

Segment: **N1** Name
Position: 150
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
Semantic Notes: 2 If either N103 or N104 is present, then the other is required.
Comments: 1 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.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location. Refer to 003020 Data Element Dictionary for acceptable code values.	M ID 2/2
	N102	93	Name Free-form name	X AN 1/35
	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Refer to 003020 Data Element Dictionary for acceptable code values.	X ID 1/2
	N104	67	Identification Code Code identifying a party.	X AN 2/17

Segment: **N2** Additional Name Information
Position: 160
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name Free-form name	M AN 1/35
	N202	93	Name Free-form name	O AN 1/35

Segment: **N3** Address Information
Position: 170
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information Address Information	M AN 1/35
	N302	166	Address Information Address Information	O AN 1/35

Segment: N4 Geographic Location

Position: 180

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes: 1 At least one of N401 or N405 is required.

2 If either N405 or N406 is present, then the other is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	X AN 2/19
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 2/2
N404	26	Country Code Code identifying the country	O ID 2/2

Segment: **LIN** Item Identification

Position: 010

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify basic item identification data

- Syntax Notes:**
- 1 If LIN04 is present, then LIN05 is required.
 - 2 If LIN06 is present, then Lin07 is required.
 - 3 If LIN08 is present, then Lin09 is required.
 - 4 If LIN10 is present, then Lin11 is required.
 - 5 If LIN12 is present, then Lin13 is required.
 - 6 If LIN14 is present, then Lin15 is required.
 - 7 If LIN16 is present, then Lin17 is required.
 - 8 If LIN18 is present, then Lin19 is required.
 - 9 If LIN20 is present, then Lin21 is required.
 - 10 If LIN22 is present, then Lin23 is required.
 - 11 If LIN24 is present, then Lin25 is required.
 - 12 If LIN26 is present, then Lin27 is required.
 - 13 If LIN28 is present, then Lin29 is required.
 - 14 If LIN30 is present, then Lin31 is required.

Semantic Notes:

- Comments:**
- 1 See the Data Dictionary for a complete list of ID's
 - 2 LIN01 is the line item identification.
 - 3 LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No, Model No., SKU.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set. Used to relate LIN segment to SLN segment for this vehicle/part combination. You may use the APAA Make/Model Table ID#. If APAA table is NOT used, user must mutually define a unique alpha/numeric combination, relating to the SLN01 element.	O AN 1/11
Must Use	LIN02	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Mutually Defined to represent the APAA Standard Make/Model Table unique vehicle ID - refer to latest version available at http\www.apaa.org If APAA Make/Model Table is NOT used, fill LIN03 element with 7 zeros (0000000). In this case, entries for LIN05 thru 31 become MANDATORY.	M ID 2/2
		ZZ Mutually Defined	
Must Use	LIN03	234 Product/Service ID Identifying number for a product or service The APAA Standard Make/Model Table unique vehicle ID. Example: 1523483	M AN 1/30
	LIN04	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O ID 2/2
		RY Record Keeping or Model Year	
	LIN05	234 Product/Service ID Identifying number for a product or service Valid Vehicle Model Year. (See DTM seg in position 030 for start/end dates) Example: 1993 If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	X AN 1/30
	LIN06	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O ID 2/2
		CD Motor Vehicle-Line Designator	
	LIN07	234 Product/Service ID Identifying number for a product or service Valid Vehicle Make Example: CHEVROLET If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	X AN 1/30
	LIN08	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) MN Model Number	O ID 2/2

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LIN09	234	Product/Service ID Identifying number for a product or service Valid Vehicle Model Name Example: CAMARO If the APAA Standard Make/Model unique vehicle ID is used, no additional information is required.	X AN 1/30
LIN10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Mutually defined to represent a vehicle “sub” model or trim package ZZ Mutually Defined	O ID 2/2
LIN11	234	Product/Service ID Identifying number for a product or service Valid Vehicle Submodel. Example: Z28 If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	X AN 1/30
LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Mutually defined to represent a valid engine type or configuration ZZ Mutually Defined	O ID 2/2
LIN13	234	Product/Service ID Identifying number for a product or service Valid Engine Type. Examples: L2, L3, L4, L5, L6, H4, H6, H12, R2, R4, V4, V6, V8, V10, V12 If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	X AN 1/30
LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ED Engine Displacement Identification	O ID 2/2
LIN15	234	Product/Service ID Identifying number for a product or service Valid Engine Size: Cubic Inches of Displacement Example: 350 If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	X AN 1/30
LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ED Engine Displacement Identification	O ID 2/2
LIN17	234	Product/Service ID Identifying number for a product or service Valid Engine Size: Liters Example: 5.7 If the APAA Standard Make/Model unique vehicle ID is used, no additional information is required.	X AN 1/30

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LIN18	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ED Engine Displacement Identification	
LIN19	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Valid Engine Size: Cubic centimeters	
		Example: 5700	
		If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	
LIN20	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Mutually defined to represent the type of fuel used by the vehicle	
		ZZ Mutually Defined	
LIN21	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Valid Fuel Type.	
		Examples: GAS, LPG, NPG, DIESEL, FLEX, ELECTRIC	
		If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	
LIN22	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Mutually defined to represent the fuel delivery method	
		ZZ Mutually Defined	
LIN23	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Valid Fuel Delivery Type.	
		Example: CARB, FI	
		If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	
LIN24	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Mutually defined to represent engine aspiration type	
		ZZ Mutually Defined	
LIN25	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Valid Aspiration Type.	
		Example: N(ormal), S(upercharged), T(urbocharged)	
		If the APAA Standard Make/Model unique vehicle ID is used, no additional information is required.	

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LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ES Engine Serial Number	O ID 2/2
LIN27	234	Product/Service ID Identifying number for a product or service Valid VIN Engine Code. Example: P If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	X AN 1/30
LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) TP Product Type Code	O ID 2/2
LIN29	234	Product/Service ID Identifying number for a product or service Valid Engine Designation/Description Examples: 20RC If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	X AN 1/30
LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Mutually defined to represent country where vehicle is to be "registered" ZZ Mutually Defined	O ID 2/2
LIN31	234	Product/Service ID Identifying number for a product or service Valid Country of Registration (NOT origin) Example: U, C, UC If the APAA Standard Make/Model unique vehicle ID is used, no additional vehicle information is required.	X AN 1/30

Segment: **SLN** Subline Item Detail

Position: 020

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 100

Purpose: To specify product subline detail item data

- Syntax Notes:**
- 1 If SLN07 is present, then SLN06 is required.
 - 2 If SLN08 is present, then SLN06 is required.
 - 3 If SLN09 is present, then SLN10 is required.
 - 4 If SLN11 is present, then SLN12 is required.
 - 5 If SLN13 is present, then SLN14 is required.
 - 6 If SLN15 is present, then SLN16 is required.
 - 7 If SLN17 is present, then SLN18 is required.
 - 8 If SLN19 is present, then SLN20 is required.
 - 9 If SLN21 is present, then SLN22 is required.
 - 10 If SLN23 is present, then SLN24 is required.
 - 11 If SLN25 is present, then SLN26 is required.
 - 12 If SLN27 is present, then SLN28 is required.

Semantic Notes:

- Comments:**
- 1 See the Data Dictionary for a complete list of ID's
 - 2 SLN01 is the identifying number for the subline item. It is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
 - 3 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
 - 4 SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model NO., SKU.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Valid APAA Make/Model ID# Relates subline data (part level) to line data (vehicle information) See Comment 2 above If APAA Make/Model Table is NOT used, user created code must relate to LIN01	M AN 1/11
	SLN02	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Used to identify the version of the APAA Part Definition Table being used EXAMPLE: PD_0198	O AN 1/11
Must Use	SLN03	661	Configuration Code Code indication the relationship of the subline item to the baseline item.	M ID 1/1
Must Use	SLN04	380	Quantity Numeric value of quantity Use for application (per vehicle) quantity	M R 1/15
Must Use	SLN05	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement Use applicable UOM from data element dictionary. Use a ZZ qualifier for specific uses between discreet trading partners. Refer to 003020 Data Element Dictionary for acceptable code values.	M ID 2/2
	SLN09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) CG Commodity Grouping	O ID 2/2
	SLN10	234	Product/Service ID Identifying number for a product or service Mutually defined to represent the APAA Part Definition Category Code. This serves only to "classify" the product, and does NOT limit your ability to adequately describe the item later in this segment. Example: 031	X AN 1/30
	SLN11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PQ Product ID Attribute Code	O ID 2/2
	SIN12	234	Product/Service ID Identifying number for a product or service Mutually defined to represent the APAA Part Definition Sub-Category code. This serves only to "classify" the product, and does NOT limit your ability to adequately describe the item later in this segment Example: 1234	X AN 1/30

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SLN13	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		If you are not using the APAA Part Definition Table, this element is mutually defined to represent product category description.	
		ZZ Mutually Defined	
SLN14	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Product category description	
		Example: IGNITION	
		If the APAA Part Definition Code is used, no additional information is required.	
SLN15	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		If you are not using the APAA Part Definition Table, this element is mutually defined to represent product “sub” category description	
		ZZ Mutually Defined	
SLN16	235	Product/Service ID Qualifier	X AN 1/30
		Identifying number for a product or service	
		Sub-Category Description.	
		Example: DISTRIBUTOR CAP	
		If the APAA Part Definition Code is used, n additional information is required.	
SLN17	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		OE Original Equipment Number	
SLN18	234	Product/Service ID	X AN 1/30
		Identify number for a product or service	
		OE Part Number from vehicle manufacturer	
SLN19	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		MG Manufacturer’s Part Number	
SLN20	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Manufactures Part Number	
SLN21	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		PD Part Number Description	
SLN22	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Manufacturer Part Description	
		Manufacturer’s unique description of the part	

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SLN23	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Mutually defined to represent extended description information such as Economy/Premium, High Performance, Chrome etc. For additional vehicle qualifying statements, i.e. 4x4, use the REF segment.	
		ZZ Mutually Defined	
SLN24	234	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Extended Description	
		Example: NEW, REMANUFACTURED	
SLN25	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Mutually defined to represent product category description such as Economy/Premium, High Performance, Chrome etc. For additional vehicle qualifying statements, i.e. 4x4, use the REF segment.	
		ZZ Mutually Defined	
SLN26	235	Product/Service ID	X AN 1/30
		Identifying number for a product or service	
		Extended Description	
		Example: ALKYD	
SLN27	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Mutually defined to represent extended description information such as Economy/Premium, High Performance, Chrome etc. For additional vehicle qualifying statements, i.e. 4x4, use the REF segment.	
		ZZ Mutually Defined	
SLN28	234	Product/Service ID	X AN 1/30
		Identify number for a product or service	
		Extended Description	
		Example: KIT	

Segment: **DTM** Date/Time/Period
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 or DTM03 is required
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time/Qualifier Code specifying type of date or time, both date and time 150 Service Period Start 151 Service Period End	M ID 3/3
	DTM02	373	Date Date (YYMMDD) Use to define unique begin and end service dates.	O AN 1/11
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2

Segment: **REF** Reference Numbers
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. CU Clear Text Clause	M ID 2/2
	REF03	352	Description A free-form description to clarify the related data elements and their content Use for statements further qualifying the part to vehicle relationships, i.e., 2x4, 4x4, w/AC, etc. Multiple comments should be "delimited" (separated) by the use of a plus (+) character.	X AN 1/80

- Segment:** **PID** Product/Item Description
- Position:** 070
- Loop:** LIN Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 200
- Purpose:** To describe a product or process in coded or free-form format
- Syntax Notes:**
- 1 If PID04 is present, then PID03 is required.
 - 2 At least one of PID04 or PID05 is required.
- Semantic Notes:**
- Comments:**
- 1 If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.
 - 2 Use PID03 to indicate the organization that publishes the code list being referred to.
 - 3 PID04 should be used for industry-specific product description codes.
 - 4 Use PID06 when necessary to refer to the product surface or layer being described in the segment.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
	PID05	352	Description A free-form description to clarify the related data elements and their content Additional qualifying comments, footnotes. Example: ALL 4X4, ALL EXC. CALIF. Must be used with part #XYZ, etc.	X AN 1/80
	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Used to identify spatial relationships. Element dictionary lists right, left, etc. For mutually defined relationships, i.e., upper/inner etc., see appendix A. Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2

- Segment:** **PKG** Marketing, Packaging, Loading
Position: 090
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes: 1 If PKG04 is present, then PKG03 is required.
 2 At least one of PKG04 or PKG05 is required.
Semantic Notes:
Comments: 1 Use the MEA (measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
 2 If PKG01 = "F", then PKG05 is used. If PKG01 = "S", then PKG04 is used.
 If PKG01 = "X", then both PKG04 and PKG05 are used.
 3 Use PKG03 to indicate the organization that publishes the code list being referred to.
 4 PKG04 should be used for industry-specific packaging description codes.
 5 Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	PKG01	349 Item Description Type Code indicating the format of a description X Semi-structured (Code and Text)	M ID 1/1
	PKG04	754 Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product Use to describe unique package specifications: Example: EACH, PACK, etc	X AN 1/7
	PKG05	352 Description A free-form description to clarify the related data elements and their content Used to describe unique characteristics Example: BOX, CARDED, SLEEVE	X AN 1/80

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If CTT03 is present, then CTT04 is required.
 2 If CTT05 is present, then CTT06 is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	O R 1/10
			Example: -.0018 First occurrence of value being hashed..18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed.-----1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	
	CTT07	352	Description A free-form description to clarify the related data elements and their content Additional text field for final comments	O AN 1/80

Segment: **SE** Transaction Set Trailer

Position: 020

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/6
Must Use	SE02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9

Mutually Defined Values in APAA 832 Standards

Segment ID#	Qualifier	Descr.
LIN02	ZZ	APAA STANDARD MAKE/MODEL TABLE ID#
LIN10	ZZ	Vehicle "Sub" Model, refer to Standard make/Model Table
LIN12	ZZ	Vehicle "Engine Type"(see attached for valid entries)
LIN20	ZZ	Vehicle "Fuel Type" (see attached for valid entries)
LIN22	ZZ	Vehicle "Fuel Delivery"(see attached for valid entries)
LIN24	ZZ	Vehicle "Aspiration Type"(see attached for valid entries)
LIN30	ZZ	Country of "Registration" (see attached for valid entries)
SLN13	ZZ	APAA Product "Category" Desc., refer to Parts Definition Table
SLN15	ZZ	APAA Product "Sub-Category" Desc., refer to Parts Definition Table
SLN23	ZZ	Extended Description, free-form text
SLN25	ZZ	Extended Description, free-form text
SLN27	ZZ	Extended Description, free-form text
PID06	Varies	See attached for Surface/Layer/Position codes

Surface/Layer/Position codes for data element 752 within the PID06 segment are listed below: [...more](#)

X.12 Code Value	X.12 Definition	APAA Usage
1S	Side One	Same
2S	Side Two	Same
BC	Back of Cab	Same
BK	Rear	Same
BS	Both Sides	Same
BT	Bottom	Same
DU	Dual Fuel Tank Position	Same
FR	Front	Same
IN	Inside	Same
LT	Left	Same
OA	Overall	Same
OS	One Side	Same
OT	Outside	Same
R0(zero)	Relative Position 10	Upper
R1	Relative Position 1	Lower
R2	Relative Position 2	Inner
R3	Relative Position 3	Outer
R4	Relative Position 4	Major
R5	Relative Position 5	Minor
R6	Relative Position 6	Front Inner
R7	Relative Position 7	Front Outer
R8	Relative Position 8	Front Right
R9	Relative Position 9	Front Left
RA	Relative Position 11	Front Upper
RB	Relative Position 12	Front Lower
RC	Relative Position 13	Front Right Upper
RD	Relative Position 14	Front Right Lower
RE	Relative Position 15	Front Left Upper
RF	Relative Position 16	Front Left Lower
RG	Relative Position 17	Front Right Inner
RH	Relative Position 18	Front Right Outer
RI	Relative Position 19	Front Left Inner
RJ	Relative Position 20	Front Left Outer
RK	Relative Position 21	Rear Inner
RL	Relative Position 22	Rear Outer
RM	Relative Position 23	Rear Right
RN	Relative Position 24	Rear Left
RO	Relative Position 25	Rear Upper
RP	Relative Position 26	Rear Lower
RQ	Relative Position 27	Rear Right Upper
RR	Relative Position 28	Rear Right Lower
RS	Relative Position 29	Rear Left Upper
RT	Relative Position 30	Rear Left Lower

RU	Relative Position 31	Rear Right Inner
RV	Relative Position 32	Rear Right Outer
RW	Relative Position 33	Rear Left Inner
RX	Relative Position 34	Rear Left Outer
RY	Relative Position 35	Lower Inner
RZ	Relative Position 36	Lower Outer
S1	Relative Position 37	Upper Inner
S2	Relative Position 38	Upper Outer
S3	Relative Position 39	Same / Open for future definition
S4	Relative Position 40	Same / Open for future definition
S5	Relative Position 41	Same / Open for future definition
S6	Relative Position 42	Same / Open for future definition
S7	Relative Position 43	Same / Open for future definition
S8	Relative Position 44	Same / Open for future definition
S9	Relative Position 45	Same / Open for future definition
SA	Relative Position 46	Same / Open for future definition
SB	Right	Same
SC	Relative Position 47	Same / Open for future definition
SD	Relative Position 48	Same / Open for future definition
SE	Relative Position 49	Same / Open for future definition
SF	Relative Position 50	Same / Open for future definition
SP	Spare Tire Position	Same
TB	Tank Bottom	Same
TP	Top	Same
TS	Two Sides	Same
UC	Under Cab	Same

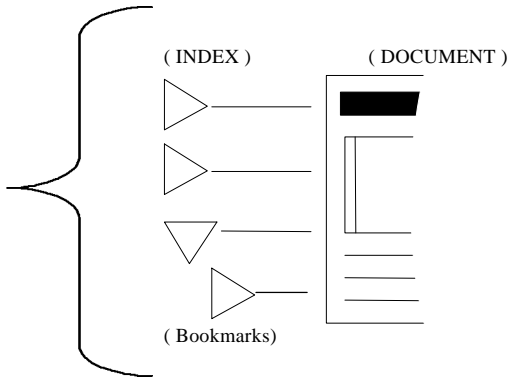
VALID ENTRIES FOR LIN 12, 20, 22, 24, and 30.









Valid Entries - LIN 12 "Engine Type"	Valid Entries - LIN 20 "Fuel Type"	Valid Entries - LIN 22 "Fuel Delivery"	Valid Entries - LIN 24 "Aspiration Type"	Valid Entries - LIN 30 "Registration"
H4	DIESEL	CARB	N (Normal)	U (U.S.)
H6	ELECTRIC	FI	S (Supercharged)	C (Canada)
H12	FLEX	N/A	T (Turbocharged)	UC (US & Canada)
L2	GAS			
L3	LPG			
L4	NPG			
L5				
L6				
R2				
R4				
V4				
V6				
V8				
V10				
V12				
N/A				

APAA Electronic Catalog Standards
December 23, 1997

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-   IEA Trailer
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Points of Contact at APAA



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