



Parker Tracking System

Order Interface Guide

Fast. Easy. Accurate.

Version 2.0.2

Parker Hannifin Corporation

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About Order Interface

The PTS Order Interface API is a means to automate the collection of order information in PTS which can then be used when creating PTS records and labels.

The PTS Order Interface enables you to interface order data directly from many order processing applications and automatically print PTS labels without manually accessing the PTS Web Application.

Interfacing order data will allow for quicker creation of PTS labels and associated digital records, eliminating the need for dual entry. This also ensures that PTS data is complete and accurate.

Enrollment for the Order Interface Program

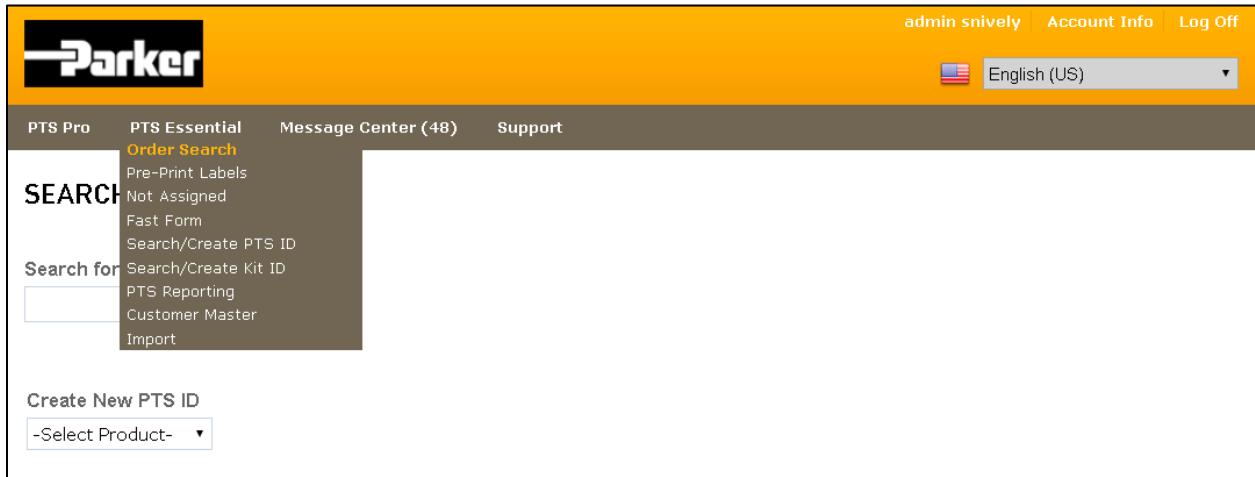
Contact the PTS Support Center to request assistance with the Order Data Interface enrollment and process.

E-mail the Support Center with the description “**PTS Order Interface Enrollment Request**”. Including your contact information. A support ticket will automatically be created and routed to the appropriate resource.

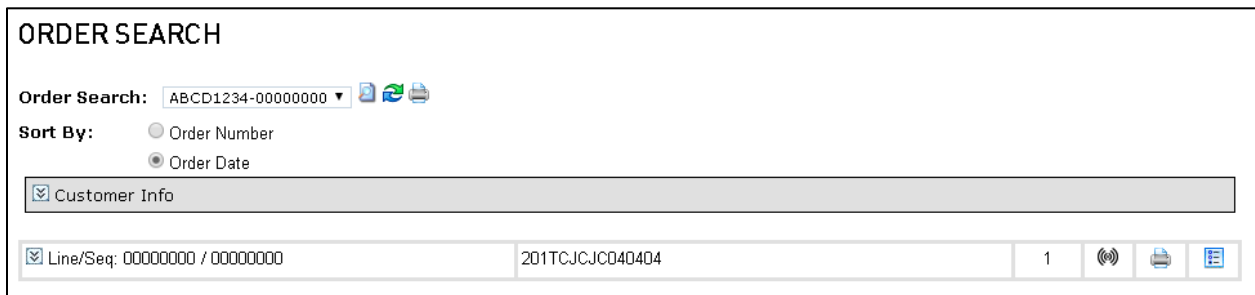
Support Center Email: support@parkertracking.atlassian.net

1: User Interface (optional)

To navigate, first log into the Parker Tracking System (PTS) at www.parker.com/pts and select **Order Search** from the PTS Essential drop down.



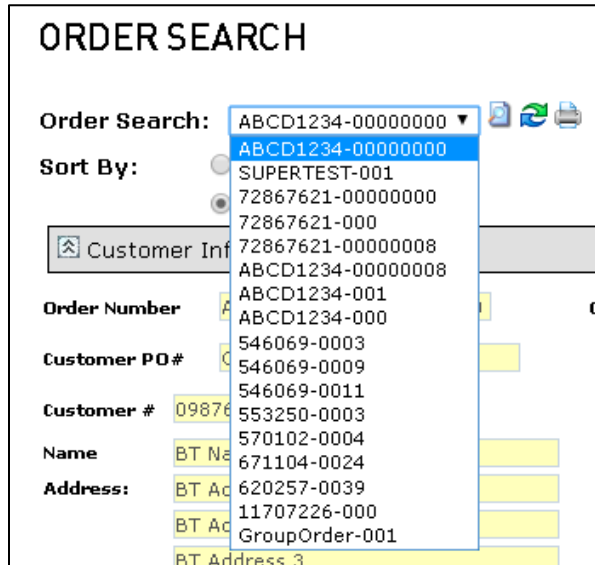
1.1: Main Screen



The Order Interface UI screen is used to print order labels. This can be done at the order level or line level.

1.2: Dropdown & Scan mode

a. Dropdown Mode



ORDER SEARCH

Order Search: ABCD1234-00000000

Sort By: SUPERTEST-001
 72867621-00000000
 72867621-000

Customer Info: [Customer Info]

Order Number: [Order Number]

Customer PO #: [Customer PO #]

Customer #: 09876 [Customer #]

Name: BT Ma [Name]

Address: BT Ac [Address]

Set by PTS Team or account admin, this allows the user to see all orders in a dropdown format for order selection.

b. Scan Mode



ORDER SEARCH

Order Search: [Order Search]

Sort By: Order Number
 Order Date

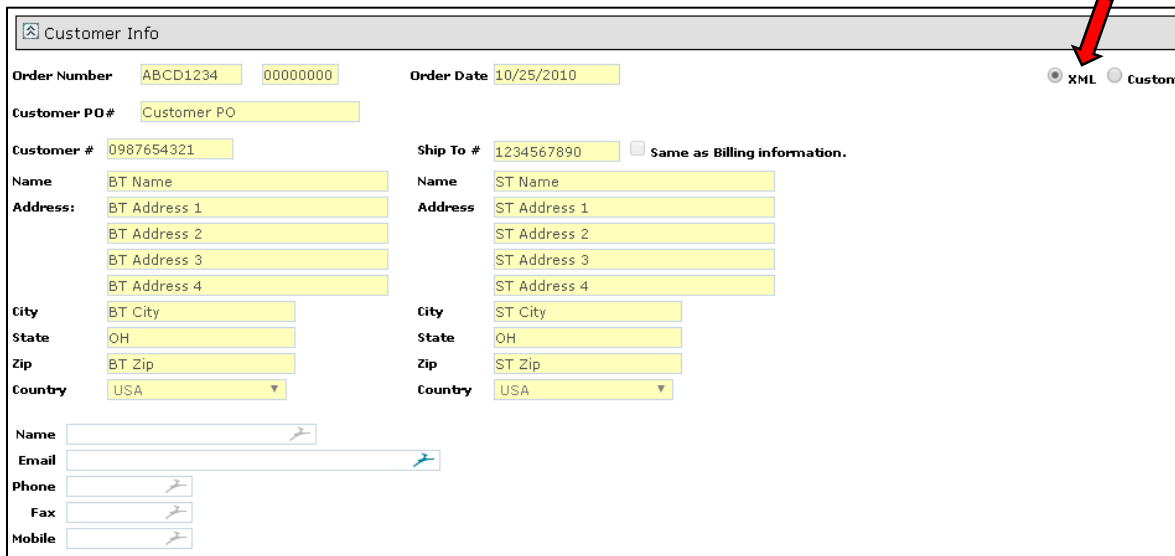
Set by PTS Team or account admin, this allows a user to enter order information directly for lookup. This is most useful for users who use barcode scanners.

i Users that would like to program barcode scanners, please use the logic below:

Scan (parse order) -> Tab -> parse release -> Enter

1.3: Customer Information

a. XML

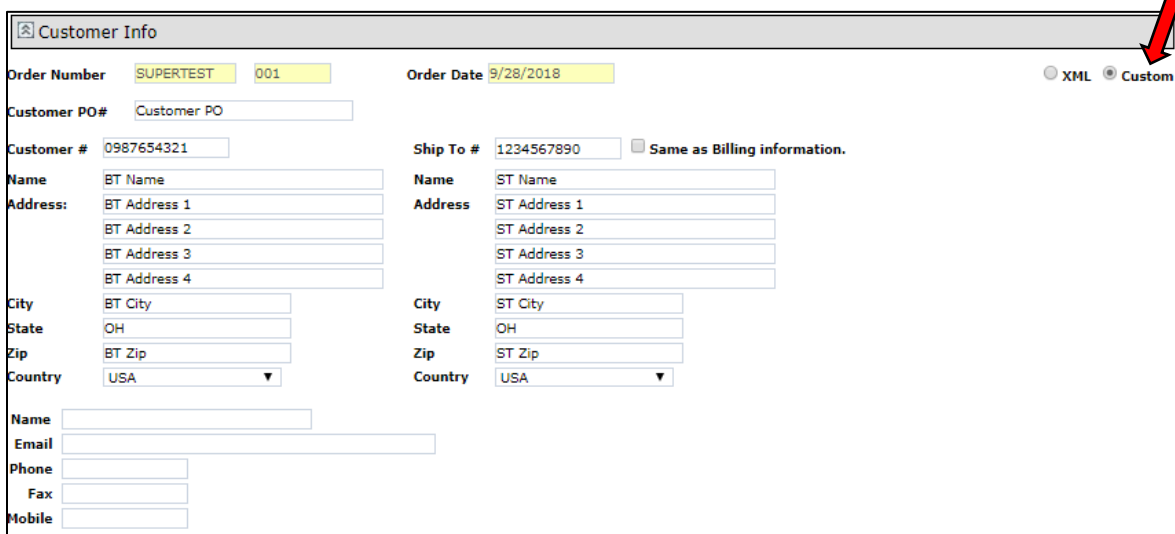


The screenshot shows the 'Customer Info' form with the 'XML' radio button selected. A red arrow points to the 'XML' option. The form contains the following fields:

Order Number	ABCD1234	00000000	Order Date	10/25/2010	<input checked="" type="radio"/> XML <input type="radio"/> Custom
Customer PO#	Customer PO				
Customer #	0987654321	Ship To #	1234567890	<input type="checkbox"/> Same as Billing information.	
Name	BT Name	Name	ST Name		
Address:	BT Address 1	Address	ST Address 1		
	BT Address 2		ST Address 2		
	BT Address 3		ST Address 3		
	BT Address 4		ST Address 4		
City	BT City	City	ST City		
State	OH	State	OH		
Zip	BT Zip	Zip	ST Zip		
Country	USA	Country	USA		
Name	<input type="text"/>				
Email	<input type="text"/>				
Phone	<input type="text"/>				
Fax	<input type="text"/>				
Mobile	<input type="text"/>				

Customer information cannot be manipulated when the **XML** option is selected. Data that appears in the system reflects the information that is interfaced within the order.

b. Custom



The screenshot shows the 'Customer Info' form with the 'Custom' radio button selected. A red arrow points to the 'Custom' option. The form contains the following fields:

Order Number	SUPERTEST	001	Order Date	9/28/2018	<input type="radio"/> XML <input checked="" type="radio"/> Custom
Customer PO#	Customer PO				
Customer #	0987654321	Ship To #	1234567890	<input type="checkbox"/> Same as Billing information.	
Name	BT Name	Name	ST Name		
Address:	BT Address 1	Address	ST Address 1		
	BT Address 2		ST Address 2		
	BT Address 3		ST Address 3		
	BT Address 4		ST Address 4		
City	BT City	City	ST City		
State	OH	State	OH		
Zip	BT Zip	Zip	ST Zip		
Country	USA	Country	USA		
Name	<input type="text"/>				
Email	<input type="text"/>				
Phone	<input type="text"/>				
Fax	<input type="text"/>				
Mobile	<input type="text"/>				

Customer data can be manipulated when the **Custom** option is selected. This gives the user the ability to overwrite data if details are incorrect or have changed.



1.4: Line Item Details & Line Details

a. Line Item Details

1. Hose

<input type="checkbox"/> Line/Seq: 001 / 001					201TCJCJC040404	1		
Part Number	Part Desc	GPA	Length	UOM	Custom Data			
201-10	1/2"-100R5-1750 PSI	1	99	in	Custom Data 1			
10126-8-10	26-M-R-NPTF-STR	2	0	PC	Custom Data 2			
					Custom Data 3			

- i. Line Sequence
- ii. Bill of Material
- iii. Custom Data
- iv. Hose Assembly Number
- v. Order Line Quantity

2. General (non-hose)

<input type="checkbox"/> Line/Seq: 001 / 001					1/2"-100R5-1750 PSI	3			
Part Number	Part Desc	GPA	Length	UOM					
201-10	1/2"-100R5-1750 PSI	1	0	in					
10126-8-10	26-M-R-NPTF-STR	2	0	PC					
<input checked="" type="checkbox"/>	Line/Seq: 002 / 001				1/4" FILT 40 MIC	3			
<input checked="" type="checkbox"/>	Line/Seq: 003 / 001				20-F-S-JIC 37-STR	3			
<input checked="" type="checkbox"/>	Line/Seq: 004 / 001				Ferrule - 48 Series	3			
<input checked="" type="checkbox"/>	Line/Seq: 005 / 001					1			

- i. Line Sequence
- ii. Bill of Material
- iii. Part Description of the first Bill of Material item
- iv. Order Line Quantity



b. Line Details

ORDER SEARCH

Order Search:

Sort By: Order Number
 Order Date

Customer Info

<input checked="" type="checkbox"/> ID: 1QPMNW38	Alternate Part	201TCJCJC040404			
<input checked="" type="checkbox"/> ID: J6B8OIC1	Alternate Part	201TCJCJC040404			
<input checked="" type="checkbox"/> ID: YQIK9ABF	Alternate Part	201TCJCJC040404			

i. Reprint ()

- Reprints the PTS ID label


ii. Details ()

- Opens the PTS ID for view/edit capabilities

iii. Delete ()

- Removes PTS ID from the application

1.5: RFID



PTS RFID Assignment



Order/Release

SUPERTEST / 001

Line/Seq

001 / 001

Quantity

1  

Scan RFID Tags

Tag	RFID	PTS ID
0 of 1		

Label

Custom Data 1	Custom Data 1
Custom Data 2	Custom Data 2
Custom Data 3	Custom Data 3

Asset Management

Criticality	<input type="text"/>	▼					
Inspection Cycle	<input type="text"/>	▼	From	Create Date ▼	9/28/2018	<input type="checkbox"/>	Set Inspection at Print
Inspection Template	None	▼					
Replacement Cycle	<input type="text"/>	▼	From	Create Date ▼	9/28/2018	<input type="checkbox"/>	Set Replacement at Print

a. Scan RFID Tags

- The total number of tags identified within this section must match the order quantity.

b. Label



- User has the option to enter 3 lines of custom data that will print onto the PTS label.

c. Asset Management

- User can set asset **Criticality**, **Inspection Cycle**, choose an **Inspection Template**, and **Replacement Cycle**.




1.6: Order Print

ORDER SEARCH


Order Search:  

Sort By: Order Number
 Order Date

Customer Info

Line/Seq: 00000000 / 00000000 201TCJJC040404 1   

a. Hose

 **PTS Print**

Order/Release: /

Line/Seq: /

Line Range: Start End

Duplicates Required
 Attach PTS ID List to batch print

Label

Custom Data 1

Custom Data 2

Custom Data 3

Override all

Asset Management

Criticality:

Inspection Cycle: From: Set Inspection at Print

Inspection Template:

Replacement Cycle: From: Set Replacement at Print

Printer 1 (4") Label Format:

Printer 2 (8") Label Format:

i. Start & End

- Order print has the option to print all line items—it defaults from the first line item to the last. The user can edit it and specify the exact range of line items the user needs.

ii. Duplicates Required

- Selecting the **Duplicates Required** option forces the printer to produce a duplicate of every PTS ID printed. Duplicates are decided by Length/OD settings in the **Account Info**. Checking these boxes will create a duplicate for each tag.

iii. Label

- There are up to three custom data fields, which will populate on the label.


iv. Asset Management

- Provides the ability to set **Inspection Cycle**, **Replacement Cycle**, **Inspection Templates** and **Criticality** at print.

v. Attach PTS ID list to batch print

- The **Attach PTS ID List to Batch Print** checkbox will generate an Excel document of all the PTS IDs generated and attach it to each PTS ID.

b. General (non-hose)

 **PTS Print**

Order/Release /

Line/Seq /

Line Range Start End

Attach PTS ID List to batch print

Asset Management

Criticality	<input type="text" value="None"/>		
Inspection Cycle	<input type="text" value=""/> / <input type="text" value=""/>	From	<input type="text" value="Create Date"/> <input type="text" value="9/24/2018"/>
Inspection Template	<input type="text" value=""/>		<input checked="" type="checkbox"/> Set Inspection at Print
Replacement Cycle	<input type="text" value=""/> / <input type="text" value=""/>	From	<input type="text" value="Create Date"/> <input type="text" value="9/24/2018"/>
			<input checked="" type="checkbox"/> Set Replacement at Print

Label Printer

Label Format

i. Start & End

- Order print has the option to print all line items—it defaults from the first line item to the last. The user can edit it and specify the exact range of line items the user needs.

ii. Attach PTS ID List to Batch Print


- The **Attach PTS ID List to Batch Print** checkbox will generate an Excel document of all the PTS IDs generated and attach it to each PTS ID.

iii. Asset Management

- Provides the ability to set **Inspection Cycle**, **Replacement Cycle**, **Inspection Templates** and **Criticality** at print.

1.7: Line Level Print

a. Hose



PTS Print

Order/Release /

Line/Seq /

Print Quantity

Print Duplicates for OD Length

Attach PTS ID List to batch print

Label

Custom Data 1

Custom Data 2

Custom Data 3

Asset Management

Criticality

Inspection Cycle

Inspection Template

Replacement Cycle

From

Set Inspection at Print

From

Set Replacement at Print

Label Printer

Label Format



i. Quantity

- Increases or decreases the amount of PTS IDs generated for this line item

ii. Print Duplicates (OD & Length)

- A duplicate label is generated, based on OD or length. (this is set up in the **Account Info**)

iii. Attach PTS ID List to Batch Print

- An Excel document is generated of all the PTS IDs printed and attached to each PTS ID.

iv. Label

- There are up to three custom data fields, which will populate on the label.

v. Asset Management

- Provides the ability to set **Inspection Cycle**, **Replacement Cycle**, **Inspection Templates** and **Criticality** at print.



b. General (non-hose)

ORDER SEARCH

PTS Print

Order/Release: SUPERTTEST / 001
Line/Seq: 001 / 001
Print Quantity: 3 Duplicates: 1

Attach PTS ID List to batch print

Label
Custom Data 1
Custom Data 2
Custom Data 3
Browse...

Asset Management
Criticality: None
Inspection Cycle: [] []
Inspection Template: []
Replacement Cycle: [] []
From: Create Date 9/24/2018
From: Create Date 9/24/2018
 Set Inspection at Print
 Set Replacement at Print

Label Printer: NOPTSPRINT
Label Format: PartLabel_LinkBelt.lwl

Cancel Confirm

i. Quantity

- This value is set in the XML and not changeable without re-interfacing the XML.

ii. Duplicates

- Allows the user to generate duplicate labels. (ie. Quantity of 3 with Duplicates 2 will produce 6 labels)

iii. Attach PTS ID List to Batch Print

- An Excel document is generated of all the PTS IDs printed and attached to each PTS ID.

iv. Label

- There are up to three custom data fields, which will populate on the label.

v. Asset Management

- Provides the ability to set **Inspection Cycle**, **Replacement Cycle**, **Inspection Templates** and **Criticality** at print.

1.8: Additional Features

a. Hose & General (non-hose)

i. Directed Printing

- For Accounts with multiple printers, directed printing enables routing for specific part numbers. This allows the user to send all related part numbers to a specific printer & label format.

Required Field
Account Info
Account Config.
User Info
User Config.
PTS Pro
Notifications
User Management
Group Management
Directed Printing
IOT

Directed Printing Settings: *This function is only available through Order Search for XML Orders.

Enable Directed Printing Add More

1		
Part Number	Printer Name	Label Format
201-10	201Printer	PartLabel.lwl
1		

i This functionality is enabled by PTS Team

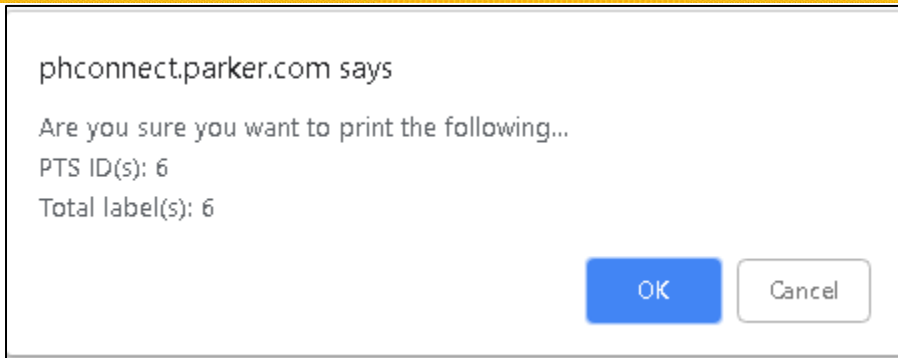
ii. Group Visibility

- Enables the current account to see other accounts in the group XML orders.

i This functionality is enabled by PTS Team

iii. Hide Order Search Print Confirmation

- Disables the print confirmation screen that notifies the user of the number of PTS IDs to be generated and label count.

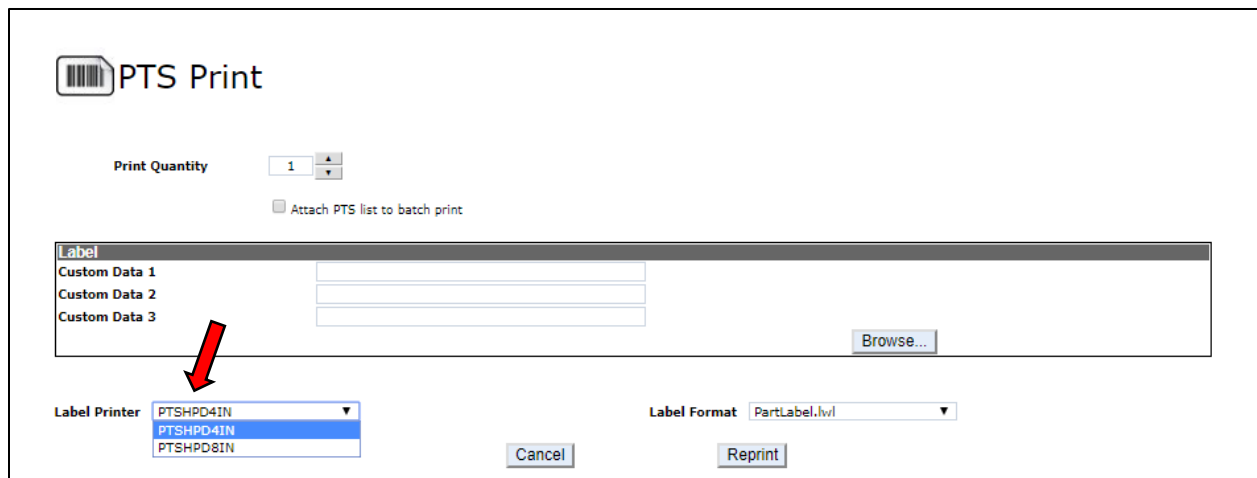


i This functionality is enabled by PTS Team

b. Hose Only

i. 4" and 8" Printer Selection

- If an account has a 4" and 8" printer setup, the application will automatically send hoses with a series of 10 and lower to 4". Anything greater than 10 will go the 8 series.



ii. Duplicates based on OD

- The application can be configured to automatically print an extra label based on and OD configuration. This is set up in **Account Info**.

ACCOUNT INFO

Account Info Account Config. User Info User Config. PTS Pro Notifications User Management Group Management Directed Printing IOT Required Field*

General

Mark Private Admin Lock Records

Printer 1 PTSHPD8IN Label Format GeneralLabel_ACD.lwl
Printer 2 NOPTSPRINT Label Format PartLabel.lwl +

Hose

Print Duplicates Length (in.) >= 100 Part OD (xx/16 in.) >= 32

Printer 1 (4") PTSHPD4IN Label Format PartLabel.lwl
Printer 2 (8") PTSHPD8IN Label Format PartLabel.lwl +

Custom Data Defaults a b

Custom Data 1 Override PumpNumber Prefix 1 PN
Custom Data 2 Override Fluid Type Prefix 2 FT
Custom Data 3 Override Testing Prefix 3

iii. Duplicates based on Length

- The application can be configured to automatically print an extra label based on and Length configuration. This is set up in **Account Info**.

ACCOUNT INFO

Account Info Account Config. User Info User Config. PTS Pro Notifications User Management Group Management Directed Printing IOT Required Field*

General

Mark Private Admin Lock Records

Printer 1 PTSHPD8IN Label Format GeneralLabel_ACD.lwl
Printer 2 NOPTSPRINT Label Format PartLabel.lwl +

Hose

Print Duplicates Length (in.) >= 100 Part OD (xx/16 in.) >= 32

Printer 1 (4") PTSHPD4IN Label Format PartLabel.lwl
Printer 2 (8") PTSHPD8IN Label Format PartLabel.lwl +

Custom Data Defaults a b

Custom Data 1 Override PumpNumber Prefix 1 PN
Custom Data 2 Override Fluid Type Prefix 2 FT
Custom Data 3 Override Testing Prefix 3

iv. Custom Data Defaults

Location 1 Override	<input type="text"/>
Location 2 Override	<input type="text"/>
Custom Data Defaults	<input type="text" value="MAWP (2.5 : 1)"/> <input type="text" value="MAWP (4 : 1)"/>
Custom Data 1 Override	<input type="text" value="<Override Text>"/>

- Maximum Allowable Working Pressure (only applicable to the following part types):
 1. 426-12-FLOW
 2. 436-16-FLOW
 3. MHBS012
 4. MHBS016
 5. 421-12-FLOW

c. General (non-hose) Only

i. Attachment

- When an attachment is added, it will be applied to all PTS IDs generated

Attachments

Choose File No file chosen Upload

File uploaded successfully.
 File Name Certification A123.jpg
 File Size 59244 bytes
 Content Type image/jpeg

File Name	Date	Size	Privacy	
Certification A123.jpg	9/25/2018	58 KB	<input type="radio"/> Public <input checked="" type="radio"/> Private	<input type="button" value="↓"/> <input type="button" value="✕"/>



ii. Serial by Line

- This feature will add a place to enter a serial number for each item in the line. (ie. If the quantity is 3, you will see 3 entries.)

Serial By Line

Line: 001
Serial 1 Serial 2 Serial 3

Line: 002
Serial 1 Serial 2 Serial 3

Line: 003
Serial 1 Serial 2 Serial 3

Line: 004
Serial 1 Serial 2 Serial 3

Line: 005
Serial 1

Attachments

<input checked="" type="checkbox"/> Line/Seq: 001 / 001	1/2"-100R5-1750 PSI	3			
<input checked="" type="checkbox"/> Line/Seq: 002 / 001	1/4" FILT 40 MIC	3			
<input checked="" type="checkbox"/> Line/Seq: 003 / 001	20-F-S-JIC 37-STR	3			
<input checked="" type="checkbox"/> Line/Seq: 004 / 001	Ferrule - 48 Series	3			
<input checked="" type="checkbox"/> Line/Seq: 005 / 001		1			

This functionality is enabled by PTS Team



iii. QC by Line

- This feature will add a place to enter QC codes for each bill of material in the line. (ie. If the quantity is 3, you will see 3 sets of bill of material)

Line/Seq: 001 / 001						1/2"-100R5-1750 PSI	3			
Part Number	Part Desc	GPA	Length	UOM	QC Code					
201-10	1/2"-100R5-1750 PSI	1	0	in	<input type="text"/>					
10126-8-10	26-M-R-NPTF-STR	2	0	PC	<input type="text"/>					
Part Number	Part Desc	GPA	Length	UOM	QC Code					
201-10	1/2"-100R5-1750 PSI	1	0	in	<input type="text"/>					
10126-8-10	26-M-R-NPTF-STR	2	0	PC	<input type="text"/>					
Part Number	Part Desc	GPA	Length	UOM	QC Code					
201-10	1/2"-100R5-1750 PSI	1	0	in	<input type="text"/>					
10126-8-10	26-M-R-NPTF-STR	2	0	PC	<input type="text"/>					
<input checked="" type="checkbox"/> Line/Seq: 002 / 001						1/4" FILT 40 MIC	3			
<input checked="" type="checkbox"/> Line/Seq: 003 / 001						20-F-S-JIC 37-STR	3			
<input checked="" type="checkbox"/> Line/Seq: 004 / 001						Ferrule - 48 Series	3			
<input checked="" type="checkbox"/> Line/Seq: 005 / 001							1			

This functionality is enabled by PTS Team

2: Technical

PTS uses an XML web service to receive order information into our system.

For systems already integrated, please reference **Appendix 1** at the end of this document.

For systems not already integrated, please review the information below to configure.

2.1: Hose

a. Data Requirements

The Order Interface has multiple components that make up a complete interface transaction.

- **Order - Order Header Information**
 - Order #, Sold-To, Ship-To, Address, and other contact information.
- **OrderLine - Individual Order Line Items**
 - Quantity, Part Number, Customer Part Number, Unit of Measurement, etc.
- **OrderLineBOM – Line Item Bill of Material.**
 - Individual Components, Length, Quantity, Unit of Measurement, etc....
- **OrderLineComments – Line Item Comments** *Optional
 - Comments
- **OrderLineAlt Data – Line Item Competitor/Alternate Data** *Optional
- **OrderLineAltBOM – Line Item Competitor/Alternate Bill of Materials**
*Optional
- **OrderLineAppData – Line Item Application Data** *Optional
 - Location, VIN, etc.



- **OrderLineDynamicApp Data – Line Item Dynamic Application Data**
 - *Optional
 - Dynamic data by setup

- **OrderLinePTSInbound – Replaced PTS IDs** *Optional
 - PTS IDs
 - Replacement Reasons
 - Url Attachments (URL, LinkText, Public/Private)

b. Order Header (PTSOrderImport)

An Order has specific fields associated with it and must be setup in the correct order. The fields are listed below.

Field Name	Type	Max Length/Value	Optional	Additional Comments
DataSource	String	10		Character Value assigned by Parker
AccountCode	String	15		Distributor's Parker Account Code
OrderNumber	String	25		
OrderReleaseNumber	String	3		Import will pad with zeros
Status	String	1		C=Create, A=Assign, U=Update, X= XML
CustomerNumber	String	25		
ShipToNumber	String	25		
CustomerPO	String	20		
BillToName	String	30		
BillToAddress1	String	30		
BillToAddress2	String	30		
BillToAddress3	String	30		
BillToAddress4	String	30		
BillToCity	String	20		
BillToState	String	12		
BillToZip	String	10		
BillToCountry	String	20		
ShipToName	String	30		



ShipToAddress1	String	30		
ShipToAddress2	String	30		
ShipToAddress3	String	30		
ShipToAddress4	String	30		
ShipToCity	String	20		
ShipToState	String	12		
ShipToZip	String	10		
ShipToCountry	String	20		
AutoPrint	Boolean	5	Yes	true = Auto Print PTS Labels false = Manually Print PTS Labels
Response	Boolean	5	Yes	true = Respond with generated PTS IDs false = No Response
Printer	String	20	Yes	

- **Additional Notes**

- **AutoPrint**

- The AutoPrint function will automatically print all PTS IDs sent. The user will not need to go to the Order Search UI to print.
 - The printer will be selected by the following logic
 1. Account defaults to the 4” printer.
 2. If there’s an 8” printer, it will perform logic to determine which printer to use based on Outer Diameter (OD). 10 OD and lower series goes to the 4” printer, 11 OD and higher goes to the 8” printer)
 3. If **OrderLine Print Account** is specified it will override the current account’s printers with the specified account, then performs steps 1 and 2 above.
 4. If Orderline Printer is specified, it will override the logic in steps 1-3 and use the specified printer alias.



- **Response**

- The Response function will only work if AutoPrint is true. For each OrderLine it will generate a PTSPorderLineOutbound XML. For multiple orderline orders you will receive 1 PTSPorderLineOutbound per line item.

- Example:

```
<PTSPorderLineOutbound>
  <OrderNumber>XXXX</OrderNumber>
  <OrderReleaseNumber>XXXX</OrderReleaseNumber>
  <OrderLineNumber>XXXX</OrderLineNumber>
  <OrderLineSeqNumber>XXXX</OrderLineSeqNumber>
  <OutboundPTSIDs>
    <PTSID>XXXX</PTSID>
    <PTSID>XXXX</PTSID>
    <PTSID>XXXX</PTSID>
  </OutboundPTSIDs>
</PTSPorderLineOutbound>
```

c. Order Line

An OrderLine has specific fields associated with it and must be setup in the correct order. These are the individual Line items for the order that will be available for printing.

The fields are listed below.

<u>Field Name</u>	<u>Type</u>	<u>Max Length/Value</u>	<u>Optional</u>	<u>Additional Comments</u>
OrderNumber	String	25		
OrderReleaseNumber	String	3		Import will pad with zeros
OrderLineNumber	String	4		Numeric, Padded with zeros
OrderLineSeqNumber	String	4		Numeric, padded with zeros Beginning with 0001
PartNumber	String	50		
AlternatePartNumber	String	35		



Product	String	25		
ProductModifier	String	35		
Quantity	Int	9,0		
LabelCopies	Int	9,0		
CustomData1	String	35		If blank, import will pull from account settings.
CustomData2	String	35		If blank, import will pull from account settings.
CustomData3	String	35		If blank, import will pull from account settings.

- **Additional Notes**

- **Print Logic**

- Account defaults to the 4" printer.
- If there's an 8" printer, it will perform logic to determine which printer to use based on Outer Diameter (OD). 10 OD and lower series goes to the 4" printer, 11 OD and higher goes to the 8" printer)
- If **OrderLine Print Account** is specified it will override the current account's printers with the specified account, then performs steps 1 and 2 above.
- If Orderline Printer is specified, it will override the logic in steps 1-3 and use the specified printer alias.

d. Order Line BOM

An OrderLineBOM has specific fields associated with it and must be setup in the correct order. These are the individual components that comprise the order line item part.

The fields are listed below.

<u>Field Name</u>	<u>Type</u>	<u>Max Length/Value</u>	<u>Optional</u>	<u>Additional Comments</u>
OrderNumber	String	25		
OrderReleaseNumber	String	3		Import will pad with zeroes



OrderLineNumber	String	4		Numeric, padded with zeros
OrderLineSeqNumber	String	4		Numeric, padded with zeros Beginning with 0001
ComponentSeqNumber	String	4		Numeric, padded with zeros
ComponentPart	String	35		
Quantity	Int	9,0		
UOM	String	2		"In", "mm", "pc" or ""
SubPTSID	String	8		
ReplaceDate	Date	10		CCYY-MM-DD
QCCCode	String	50		

e: Order Line Comments

An OrderLineComments has specific fields associated with it and must be setup in the correct order. These are additional instructions or comments for the individual line item.

The fields are listed below.

<u>Field Name</u>	<u>Type</u>	<u>Max Length/Value</u>	<u>Optional</u>	<u>Additional Comments</u>
OrderNumber	String	25		
OrderReleaseNumber	String	3		Import will pad with zeros
OrderLineNumber	String	4		Numeric, padded with zeros
OrderLineSeqNumber	String	4		Numeric, padded with zeros, beginning with 0001
CommentSeqNumber	String	4		Numeric, padded with zeroes
Comment	String	250		Import will parse this into individual comments in PTS

 *This section is not required*



f: Order Line PTS Inbound

An OrderLinePTSInbound has specific fields associated with it and must be setup in the correct order. These are additional instructions or comments for the individual line item. The following fields are listed below.

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineNumberSeq	String	8		Padded with zeroes (3) 1 will be 0001
PTSID	String	8		Used for Replacement, PTS ID must be a valid Non-Preprinted, Non-Replaced PTS ID
ReplacementReason	String	50	Yes	
URLAttachments			Yes	SubSection Inside of OrderLineInbounds Repeat URL fields for each attachment
URL	String	1000	Yes	Must start with "http:\\\" or "https:\\\"
LinkText	String	500	Yes	
isPublic	String	5 (true or false)	Yes	Sets the attachment to be public or private

- **Additional Notes**

- This section is only needed if performing a replace, or adding URL based attachments to the PTS ID. If neither of these are occurring the section can be removed.

- **Replace**

- The PTSID is must be a NonPreprint and NonReplaced Tag. Replacement reason is optional.

- **URL Attachments**

- This section is not required. For multiple attachments, there needs to be multiple instances of the URL Attachments inside of the Inbound.



- o Example:

```

<OrderLinePTSInbound>
  <OrderNumber>1549246</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <PTSID></PTSID>
  <URLAttachments>
    <URL>http://www.google.com</URL>
    <LinkText>GOOGLE</LinkText>
    <IsPublic>true</IsPublic>
  <URLAttachments>
  <URLAttachments>
    <URL>http://www.yahoo.com</URL>
    <LinkText>yahoo</LinkText>
    <IsPublic>true</IsPublic>
  <URLAttachments>
</OrderLinePTSInbound>

```

g. XML Schema

1. Inbound

The following is the schema for the Hose Interface service.

http://phconnect.parker.com/pts_e/OrderInterface/PTSOrderInterface.xsd

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" id="PTSOrderInterface"
elementFormDefault="qualified">
  <!--
targetNamespace="http://phconnect.parker.com/pts_e/OrderInterface/PTSOrderInterface.xsd"
xmlns="http://phconnect.parker.com/pts_e/OrderInterface/PTSOrderInterface.xsd"
xmlns:mstns="http://phconnect.parker.com/pts_e/OrderInterface/PTSOrderInterface.xsd"
-->
  <xsd:annotation>
    <xsd:documentation xml:lang="en">PTS - Parker Tracking System Order Interface Copyright
Parker Hannifin Corp. 2009. All rights reserved.</xsd:documentation>
  </xsd:annotation>
  <xsd:element name="PTSOrderImport">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="DataSource" type="xsd:string" />
        <xsd:element name="AccountCode" type="xsd:string" />
        <xsd:element name="OrderNumber" type="xsd:string" />
        <xsd:element name="OrderReleaseNumber" type="xsd:string" />
        <xsd:element name="CustomerNumber" type="xsd:string" />
        <xsd:element name="ShipToNumber" type="xsd:string" />
        <xsd:element name="BillToName" type="xsd:string" />
        <xsd:element name="BillToAddress1" type="xsd:string" />
        <xsd:element name="BillToAddress2" type="xsd:string" />

```



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```
<xsd:element name="BillToAddress3" type="xsd:string" />
<xsd:element name="BillToAddress4" type="xsd:string" />
<xsd:element name="BillToCity" type="xsd:string" />
<xsd:element name="BillToState" type="xsd:string" />
<xsd:element name="BillToZip" type="xsd:string" />
<xsd:element name="BillToCountry" type="xsd:string" />
<xsd:element name="ShipToName" type="xsd:string" />
<xsd:element name="ShipToAddress1" type="xsd:string" />
<xsd:element name="ShipToAddress2" type="xsd:string" />
<xsd:element name="ShipToAddress3" type="xsd:string" />
<xsd:element name="ShipToAddress4" type="xsd:string" />
<xsd:element name="ShipToCity" type="xsd:string" />
<xsd:element name="ShipToState" type="xsd:string" />
<xsd:element name="ShipToZip" type="xsd:string" />
<xsd:element name="ShipToCountry" type="xsd:string" />
<xsd:element name="Remarks" type="xsd:string" />
<xsd:element name="CustomerPO" type="xsd:string" />
<xsd:element name="ContactName" type="xsd:string" minOccurs="0" />
<xsd:element name="ContactEmail" type="xsd:string" minOccurs="0" />
<xsd:element name="ContactPhone" type="xsd:string" minOccurs="0" />
<xsd:element name="ContactFax" type="xsd:string" minOccurs="0" />
<xsd:element name="ContactMobile" type="xsd:string" minOccurs="0" />
<xsd:element name="AutoPrint" type="xsd:boolean" minOccurs="0" />
<xsd:element name="Response" type="xsd:boolean" minOccurs="0" />
<xsd:element name="OrderLine" maxOccurs="unbounded">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderID" type="xsd:string" minOccurs="0" />
      <xsd:element name="OrderNumber" type="xsd:string" />
      <xsd:element name="OrderReleaseNumber" type="xsd:string" />
      <xsd:element name="OrderLineNumber" type="xsd:string" />
      <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
      <xsd:element name="Quantity" type="xsd:decimal" />
      <xsd:element name="MarkPrivate" type="xsd:boolean" />
      <xsd:element name="AlternatePartNumber" type="xsd:string" />
      <xsd:element name="HoseAssemblyNumber" type="xsd:string" />
      <xsd:element name="HosePartNumber" type="xsd:string" />
      <xsd:element name="MachineType" type="xsd:string" />
      <xsd:element name="DateCreated" type="xsd:date" />
      <xsd:element name="OAL" type="xsd:decimal" />
      <xsd:element name="OALUOM" type="xsd:string" />
      <xsd:element name="OffsetAngle" type="xsd:string" />
      <xsd:element name="BendRadius" type="xsd:string" />
      <xsd:element name="CustomData1" type="xsd:string" />
      <xsd:element name="CustomData2" type="xsd:string" />
      <xsd:element name="CustomData3" type="xsd:string" />
      <xsd:element name="PrintAccount" type="xsd:string" minOccurs="0" />
      <xsd:element name="Printer" type="xsd:string" minOccurs="0" />
      <xsd:element name="LabelCopies" type="xsd:decimal" minOccurs="0" />
      <xsd:element name="OrderLineBOM" maxOccurs="unbounded">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="OrderNumber" type="xsd:string" />
            <xsd:element name="OrderReleaseNumber" type="xsd:string" />
            <xsd:element name="OrderLineNumber" type="xsd:string" />
            <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
            <xsd:element name="ComponentSeqNumber" type="xsd:string" />
            <xsd:element name="ComponentPart" type="xsd:string" />
            <xsd:element name="Length" type="xsd:decimal" />
            <xsd:element name="Quantity" type="xsd:decimal" />
            <xsd:element name="UOM" type="xsd:string" />
            <xsd:element name="Angle" type="xsd:string" />
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="OrderLineComments" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderNumber" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```



```
<xsd:element name="OrderReleaseNumber" type="xsd:string" />
<xsd:element name="OrderLineNumber" type="xsd:string" />
<xsd:element name="OrderLineSeqNumber" type="xsd:string" />
<xsd:element name="CommentSeqNumber" type="xsd:string" />
<xsd:element name="Comment" type="xsd:string" />
</xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="OrderLinePTSInbound" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderNumber" type="xsd:string" />
      <xsd:element name="OrderReleaseNumber" type="xsd:string" />
      <xsd:element name="OrderLineNumber" type="xsd:string" />
      <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
      <xsd:element name="PTSID" type="xsd:string" />
      <xsd:element name="ReplacementReason" type="xsd:string" minOccurs="0" />
      <xsd:element name="URLAttachments" maxOccurs="unbounded" minOccurs="0">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="URL" type="xsd:string" minOccurs="0" />
            <xsd:element name="LinkText" type="xsd:string" minOccurs="0" />
            <xsd:element name="IsPublic" type="xsd:string" minOccurs="0" />
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:schema>
```

• Additional Notes

- This XML Schema is subject to change (The PTS team intends to limit the number of changes to the XML schema, however, future enhancements may require changes.)
- There can be multiple OrderLines in an order
- There can be multiple OrderLineBOM in an OrderLine
- There can be multiple OrderLineComments in an OrderLine.
- For orders where a line item is for a KIT, the sequence (seq.) can be used for multiple items with single line item.

2. Outbound

The following is an example Schema that will be replayed as a parameter from the web service. This replay is only sent if the Auto Print & Response values in the Order



Header must both be set to true. The outbound transaction will includes all PTS ID's generated by the auto-print function.

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" id="PTSAutoPrintResponse"
elementFormDefault="qualified">
  <!--
targetNamespace="http://phconnect.parker.com/pts_e/OrderInterface/PTSAutoPrintResponse.xsd"
  xmlns="http://phconnect.parker.com/pts_e/OrderInterface/PTSAutoPrintResponse.xsd"
  xmlns:mstns="http://phconnect.parker.com/pts_e/OrderInterface/PTSAutoPrintResponse.xsd"
-->
  <xsd:annotation>
    <xsd:documentation xml:lang="en">PTS - Parker Tracking System AutoPrint Response Copyright
Parker Hannifin Corp. 2009. All rights reserved.</xsd:documentation>
  </xsd:annotation>
  <!--
Provide list of PTS IDs by Order Line Item when AutoPrint
-->
  <xsd:element name="PTSAutoPrintResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="PTSOrderLineOutbound" maxOccurs="unbounded" minOccurs="1">
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element name="OrderNumber" type="xsd:string" />
              <xsd:element name="OrderReleaseNumber" type="xsd:string" />
              <xsd:element name="OrderLineNumber" type="xsd:string" />
              <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
              <xsd:element name="OutboundPTSIDs" maxOccurs="unbounded" minOccurs="1">
                <xsd:complexType>
                  <xsd:sequence>
                    <xsd:element name="PTSID" type="xsd:string" />
                  </xsd:sequence>
                </xsd:complexType>
              </xsd:element>
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

• Additional Notes

- Typically, orders are sent one at a time, however multiple OrderLines can be sent in an order
- Example:

```

<PTSOrderImport>
  <DataSource>TESTING</DataSource>
  <AccountCode>999999</AccountCode>
  <OrderNumber>ABCD1234</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <CustomerNumber>0987654321</CustomerNumber>
  <ShipToNumber>1234567890</ShipToNumber>

```

Start of Order



```

<BillToName>BT Name</BillToName>
<BillToAddress1>BT Address 1</BillToAddress1>
<BillToAddress2>BT Address 2</BillToAddress2>
<BillToAddress3>BT Address 3</BillToAddress3>
<BillToAddress4>BT Address 4</BillToAddress4>
<BillToCity>BT City</BillToCity>
<BillToState>OH</BillToState>
<BillToZip>BT Zip</BillToZip>
<BillToCountry>USA</BillToCountry>
<ShipToName>ST Name</ShipToName>
<ShipToAddress1>ST Address 1</ShipToAddress1>
<ShipToAddress2>ST Address 2</ShipToAddress2>
<ShipToAddress3>ST Address 3</ShipToAddress3>
<ShipToAddress4>ST Address 4</ShipToAddress4>
<ShipToCity>ST City</ShipToCity>
<ShipToState>OH</ShipToState>
<ShipToZip>ST Zip</ShipToZip>
<ShipToCountry>USA</ShipToCountry>
<Remarks>Remarks</Remarks>
<CustomerPO>Customer PO</CustomerPO>
<ContactName>Contact Name</ContactName>
<ContactEmail>Contact Email</ContactEmail>
<ContactPhone>Contact Phone</ContactPhone>
<ContactFax>Contact Fax</ContactFax>
<ContactMobile>Contact Mobile</ContactMobile>
<AutoPrint>>false</AutoPrint>
<Response>>false</Response>
<OrderLine>
  <OrderNumber>ABCD1234</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <Quantity>001</Quantity>
  <MarkPrivate>>false</MarkPrivate>
  <AlternatePartNumber>Alternate Part</AlternatePartNumber>
  <HoseAssemblyNumber>201TCJJC040404</HoseAssemblyNumber>
  <HosePartNumber>201-10</HosePartNumber>
  <MachineType>Machine Type</MachineType>
  <DateCreated>2010-10-25</DateCreated>
  <OAL>100</OAL>
  <OALUOM>in</OALUOM>
  <OffsetAngle>0</OffsetAngle>
  <BendRadius>
  </BendRadius>
  <CustomData1>Custom Data 1</CustomData1>

```

Start of OrderLine (Child of PTSOrderImport)
 There can be multiple orderliness in an order



```

<CustomData2>Custom Data 2</CustomData2>
<CustomData3>Custom Data 3</CustomData3>
<PrintAccount>
</PrintAccount>
<Printer>
</Printer>
<OrderLineBOM>
  <OrderNumber>ABCD1234</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <ComponentSeqNumber>001</ComponentSeqNumber>
  <ComponentPart>201-10</ComponentPart>
  <Length>99</Length>
  <Quantity>1</Quantity>
  <UOM>in</UOM>
  <Angle>
  </Angle>
</OrderLineBOM>
<OrderLineBOM>
  <OrderNumber>ABCD1234</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <ComponentSeqNumber>002</ComponentSeqNumber>
  <ComponentPart>10126-8-10</ComponentPart>
  <Length>0</Length>
  <Quantity>2</Quantity>
  <UOM>PC</UOM>
  <Angle>90</Angle>
</OrderLineBOM>
<OrderLineComments>
  <OrderNumber>ABCD1234</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <CommentSeqNumber>001</CommentSeqNumber>
  <Comment>Comment 1</Comment>
</OrderLineComments>
<OrderLineComments>
  <OrderNumber>ABCD1234</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <CommentSeqNumber>002</CommentSeqNumber>

```

Start of OrderLineBOM1 (Child of OrderLine)
 This section is one to many

End of OrderLineBOM1 (Child of OrderLine)

End of OrderLineBOM2

Start of OrderLineComments1 (Child of OrderLine)
 This section is one to many
 OPTIONAL

End of OrderLineBOM2

Start of OrderLineComments2 (Child of OrderLine)
 This section is one to many
 OPTIONAL



```

<Comment>Comment 2</Comment>
</OrderLineComments>
<OrderLineComments>
  <OrderNumber>ABCD1234</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <CommentSeqNumber>003</CommentSeqNumber>
  <Comment>Comment 3</Comment>
</OrderLineComments>
<OrderLinePTSInbound>
  <OrderNumber>ABCD1234</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <PTSID>J1K5NAST</PTSID>
  <ReplacementReason>Test Replacement Reason
1</ReplacementReason>
</OrderLinePTSInbound>

</OrderLine>

</PTSOrderImport>

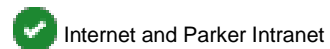
```

End of OrderLineComments2
Start of OrderLineComments3 (Child of OrderLine) **This section is one to many** **OPTIONAL**
End of OrderLineComments3
Start of OrderLinePTSInbound (Child of OrderLine) **This section is one to many** **OPTIONAL** **PTS ID – the ID entered here will be replaced**
End of OrderLinePTSInbound
End of OrderLine
End of Order

h: Test Web Service Page

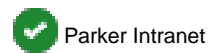
1. Production Environment:

http://www.phconnect.com/pts_e/OrderInterface/TestWebService.aspx



2. Testing and Training Environment:

http://phctest.parker.corp/pts_e/OrderInterface/TestWebService.aspx



http://phctest.parker.com/pts_e/OrderInterface/TestWebService.aspx



• Additional Notes

- The TestWebService page is designed to give the developer the means in which to test their formatted xml interface data.

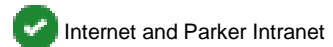
- By selecting Method 1 (Original) and clicking Submit XML it will submit your current string, or if the page is blank it will generate a sample string for testing.
- The testing process will require a valid <DataSource> value (*TESTING*) and valid <AccountCode>.

<p>Web Service Input (xml):</p> <p>Web Service Output:</p> <p>Method 1 (Original) ▼</p> <p>Submit XML</p>	<p>Web Service Input (xml):</p> <pre> <?xml version="1.0" encoding="UTF-8" ?> <OrderImport> <DataSource>TESTING</DataSource> <AccountCode>999999</AccountCode> <OrderNumber>ABCD1234</OrderNumber> <OrderReleaseNumber>001</OrderReleaseNumber> <CustomerNumber>0987654321</CustomerNumber> <ShipToNumber>1234567890</ShipToNumber> <BillToName>BT Name</BillToName> <BillToAddress1>BT Address 1</BillToAddress1> <BillToAddress2>BT Address 2</BillToAddress2> <BillToAddress3>BT Address 3</BillToAddress3> <BillToAddress4>BT Address 4</BillToAddress4> <BillToCity>BT City</BillToCity> <BillToState>OH</BillToState> <BillToZip>BT Zip</BillToZip> <BillToCountry>USA</BillToCountry> <ShipToName>ST Name</ShipToName> <ShipToAddress1>ST Address 1</ShipToAddress1> <ShipToAddress2>ST Address 2</ShipToAddress2> <ShipToAddress3>ST Address 3</ShipToAddress3> <ShipToAddress4>ST Address 4</ShipToAddress4> <ShipToCity>ST City</ShipToCity> <ShipToState>OH</ShipToState> </OrderImport> </pre> <p>Web Service Output:</p> <p>XML data test completed successfully.</p> <p>Method 1 (Original) ▼</p> <p>Submit XML</p>
---	---

i: Web Service WSDL

1. Production Environment:

http://www.phconnect.com/pts_e/OrderInterface/XMLOrderInterface.aspx



2. Testing and Training Environment:

http://phctest.parker.corp/pts_e/OrderInterface/XMLOrderInterface.aspx



http://phctest.parker.com/pts_e/OrderInterface/XMLOrderInterface.aspx





XMLOrderInterface

Click [here](#) for a complete list of operations.

OrderInterface

PTS Order Interface

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
xmlstr:	<input type="text"/>

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The [placeholders](#) shown need to be replaced with actual values.

```
POST /pts_e/OrderInterface/XMLOrderInterface.asmx HTTP/1.1
Host: www.phconnect.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://phconnect.parker.com/pts_e/ParkerPTSWeb/OrderInterface/OrderInterface"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap=
  <soap:Body>
    <OrderInterface xmlns="http://phconnect.parker.com/pts_e/ParkerPTSWeb/OrderInterface/">
      <xmlstr>string</xmlstr>
    </OrderInterface>
  </soap:Body>
</soap:Envelope>

HTTP/1.1 200 OK
```

2.2: General (non-hose)

a. Data Requirements

The Order Interface has multiple components that make up a complete interface transaction.

- **Order** - Order Header Information
 - Order #, Sold-To, Ship-To, Address, and other contact information.
- **OrderLine** - Individual Order Line Items
 - Quantity, Part Number, Customer Part Number, Unit of Measurement, etc.
- **OrderLineBOM** – Line Item Bill of Material.
 - Individual Components, Length, Quantity, Unit of Measurement, etc....
- **OrderLineComments** – Line Item Comments *Optional
- **OrderLineAlt Data** – Line Item Competitor/Alternate Data *Optional
- **OrderLineAltBOM** – Line Item Competitor/Alternate Bill of Materials *Optional
- **OrderLineAppData** – Line Item Application Data *Optional
 - Location, VIN, etc.
- **OrderLineDynamicApp Data** – Line Item Dynamic Application Data *Optional
 - Dynamic data by setup
- **OrderLinePTSInbound** – Replaced PTS IDs *Optional
 - Assign, Update, Replace PTS IDs
 - MfgDate, SerialNumber, Warranty Information
 - Url Attachments (URL, LinkText, Public/Private)



b. Order Header (PTOrderImport)

An Order has specific fields associated with it and must be setup in the correct order. The fields are listed below.

Field Name	Type	Max Length (Value)	Optional	Comments
DataSource	String	10		Character value assigned by Parker
AccountCode	String	15		Distributor's Parker Account Code
OrderNumber	String	25		
OrderReleaseNumber	String	8		
Status	String	1		C=Create, A=Assign, U=Update,X=XML (More Information below)
CustomerNumber	String	25	Yes	
ShipToNumber	String	25	Yes	
CustomerPO	String	20	Yes	
BillToName	String	30	Yes	
BillToAddress1	String	30	Yes	
BillToAddress2	String	30	Yes	
BillToAddress3	String	30	Yes	
BillToAddress4	String	30	Yes	
BillToCity	String	20	Yes	
BillToState	String	12	Yes	
BillToZip	String	10	Yes	
BillToCountry	String	20	Yes	
ShipToName	String	30	Yes	
ShipToAddress1	String	30	Yes	
ShipToAddress2	String	30	Yes	
ShipToAddress3	String	30	Yes	
ShipToAddress4	String	30	Yes	
ShipToCity	String	20	Yes	
ShipToState	String	12	Yes	
ShipToZip	String	10	Yes	
ShipToCountry	String	20	Yes	
AutoPrint	Boolean	5	Yes	true = Auto print PTS Labels false = Manual Print PTS Labels via Order Search



				(More Information Below)
Response	Boolean	5	Yes	*Only works when AutoPrint is true* true = Respond with generated PTS IDs false = No Response (More Information Below)
Printer	String	20	Yes	Specific Print

- **Additional Notes**

- **Status**

1. A= Assign

- Assign is used for preprint assigning. For each OrderLine the quantity must match the number of PTSOrderLineInbounds. The PTS ID in the inbound must be preprinted. Once the order is received, it will automatically process and require no user interaction.

2. C= Create

- Create is used to create a new PTS ID. Once the order is received, the PTS ID will be generated. With the response flag enabled it will return the tag. Otherwise it will create the PTS ID and not return it back.

3. U= Update

- Update Is used to update a PTS ID. For each OrderLine the quantity must match the number of PTSOrderLineInbounds. The PTS ID in the inbound must be a standard (not preprinted or replaced). Once the order is received, it will automatically process and require no user interaction.

4. X= XML

- XML will store the file for seven days (can be increased upon request) for the user to print later using the Order Search UI.

- **AutoPrint**

- The AutoPrint function will automatically generate all PTS IDs sent.
- The printer will be selected by the following logic:
 - If a printer is specified in the Printer Field at the Order Level it will use it.
 - If a printer is not specified in the Printer field at the order level it will pull the printer from the general section of Account Info.

- **Response**

- The Response function will only work if Response is true. For each OrderLine it will generate a PTSOrderLineOutbound XML. For multiple orderline orders you will receive 1 PTSOrderLineOutbound per line item.
- **Example:**

```
<PTSOrderLineOutbound>
  <OrderNumber>XXXX</OrderNumber>
  <OrderReleaseNumber>XXXX</OrderReleaseNumber>
  <OrderLineNumber>XXXX</OrderLineNumber>
  <OrderLineSeqNumber>XXXX</OrderLineSeqNumber>
  <OutboundPTSIDs>
    <PTSID>XXXX</PTSID>
    <PTSID>XXXX</PTSID>
    <PTSID>XXXX</PTSID>
  </OutboundPTSIDs>
</PTSOrderLineOutbound>
```




c. Order Line

An OrderLine has specific fields associated with it and must be setup in the correct order. These are the individual Line items for the order that will be available for printing.

The fields are listed below.

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineSeqNumber	String	8		
PartNumber	String	50		
AlternatePartNumber	String	35	Yes	
Product	String	25		Listed as optional but is a required field and will return an error if product does not match approved list. (More Information below)
ProductModifier	String	35	Yes	No longer used
Quantity	Integer			
ModelNumber	String	35	Yes	If no value is provided the Non-Hose screen will pull the model number from the database, this is an override. Once supplied it will not pull from the database for this field.
LabelCopies	Integer		Yes	Sends this value to software to create a copy of all PTS IDs created for this order.
CustomData1	String	35	Yes	If no value is provided, the account custom data is used. If no Account custom data is used, the value will be empty. *Account Custom data will also use the Custom Data Prefix*
CustomData2	String	35	Yes	If no value is provided, the account custom data is used.



				<p>If no Account custom data is used, the value will be empty.</p> <p>*Account Custom data will also use the Custom Data Prefix*</p>
CustomData3	String	35	Yes	<p>If no value is provided, the account custom data is used.</p> <p>If no Account custom data is used, the value will be empty.</p> <p>*Account Custom data will also use the Custom Data Prefix*</p>

- **Additional Notes**

- **Products** (as of 10/16/2018)

- ACCUMULATOR
 - CRIMPER
 - CYLINDER
 - CYLINDER/ACTUATOR
 - DIAGNOSTIC
 - DRAIN
 - DRYER
 - DRYER COMPRESSED AIR
 - FILTER
 - FILTER ELEMENT
 - GATEWAY
 - MACHINE/TOOLS
 - MOTOR
 - OTHER
 - POWER TAKE OFF
 - PUMP
 - REGULATOR
 - SEAL
 - SENSOR
 - TUBING/PIPING
 - VALVE



d. Order Line BOM

An OrderLineBOM has specific fields associated with it and must be setup in the correct order. These are the individual components that comprise the order line item part.

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineNumberSeq	String	8		Padded with zeroes (3) 1 will be 0001
ComponentSequenceNumber	String	4		
ComponentPart	String	35		
Quantity	Integer			
UOM	String			"in", "mm", "pc", or ""
SubPTSID	String	8	YES	NOT USED ANYMORE
ReplaceDate	Date	10	YES	NOT USED ANYMORE
QCCode	String	50	YES	

i *This section is not required*



e. Order Line Comments

An OrderLineComments has specific fields associated with it and must be setup in the correct order. These are additional instructions or comments for the individual line item. The following fields are listed below.

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineNumberSeq	String	8		Padded with zeroes (3) 1 will be 0001
ComponentSequenceNumber	Integer	4		
Comment	String	250		Import will parse this into individual comments in PTS.

i *This section is not required*

f. Order Line Alternate Data

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineNumberSeq	String	8		
MfgrName	String	50		
PartNumber	String	60		
ProductLine	String	25		
Notes	String	255		
MfgrDate	date			CCYY-MM-DD



This section is not required



g. Order Line Alternate BOM

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineNumberSeq	String	8		
ComponentSeqNumber	String	4		
ComponentPart	String	35		
Quantity	Integer			
UOM	String	2		"in", "mm", "pc", or ""
QCCode	String	50	Yes	



This section is not required

h. Order Line Application Data

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineNumberSeq	String	8		
ComponentSeqNumber	String	4		
Location1	String	40	Yes	
Location2	Integer	40	Yes	
Equipment	String	20	Yes	
VinMachine	String	20	Yes	
AppInlet	string	2	Yes	01 = Port 02 = Filter 03 = Pump 04 = Valve 05 = Valve Manifold 06 = Motor 07 = Cylinder
AppInletDesc	String	50	Yes	

AppOutlet	String	2	Yes	01 = Port 02 = Filter 03 = Pump 04 = Valve 05 = Valve Manifold 06 = Motor 07 = Cylinder
AppOutletDesc	String	50	Yes	
Media	String	2	Yes	01 = Air 02 = Water 03 = Water Glycol 04 = Petroleum-Based Hydraulic Oils 05 = Phosphate-Based Fluids 06 = Gasoline 07 = Diesel Fuel 08 = Biodiesel 09 = LPG - Liquefied Petroleum Gas 10 = LNG - Liquefied Natural Gas 11 = CNG - Compressed Natural Gas 12 = Mineral Oils
MediaTemp	String	2	Yes	01 = -57°C-0°C (-70°F-32°F) 02 = 0°C-37°C (32°F-99°F) 03 = 38°C-68°C (100°F-154°F) 04 = 69°C-125°C (156°F-257°F) 05 = 151°C + (303°F +)
Environment	String	2 (2 character value)	Yes	01 = OUTSIDE 02 = OUTSIDE COMPARTMENT 03 = INSIDE 04 = INSIDE COMPARTMENT 05 = UNDERWATER 06 = HIGH ALTITUDE
EnvironmentTemp	String	2 (2 character value)	Yes	01 = -57°C-0°C (-70°F-32°F) 02 = 0°C-37°C (32°F-99°F) 03 = 38°C-68°C (100°F-154°F) 04 = 69°C-125°C (156°F-257°F) 05 = 151°C + (303°F +)
Pressure	String	2 (2 character value)	Yes	01 = 0-350 psi (0 - 24 bar) 02 = 350-750 psi (24 - 52 bar) 03 = 750-1500 psi (52 - 104 bar) 04 = 1500-3000 psi (104 - 207 bar) 05 = 3000-4000 psi (207 - 276 bar) 06 = 4000-6000 psi (276 - 414 bar) 07 = 6000-8000 psi (414 - 552 bar) 08 = 8000-10,000 psi (552 - 689 bar) 09 = 10,000+ psi (689+ bar) 10 = 10000-15000 psi (689 - 1034 bar) 11 = 15000-20000 psi (1034 - 1379 bar) 12 = 20000-25000 psi (1379 - 1724 bar) 13 = 25000-30000 psi (1724 - 2068 bar) 14 = 30000+ psi (2068+ bar)
CummulativeRuntime	String		Yes	NOT USED
CummulativeRuntimeCycle	String		Yes	NOT USED
Crit	String	1, 2 or 3	Yes	0 = Not Specified 1 = Low 2 = Medium 3 = High
Repair	String	00 or 01	Yes	00 = Shop 01 = Field

 This section is not required



- **Additional Notes**

- Asset management must be turned on for the account

i. Order Line Dynamic App Data

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineNumberSeq	String	8		
ElementID	String	4		The available elements are specific to products, the list will have to be requested.
ResponseText	String	75		
ResponseValue	String	75	Yes	(Dropdown Only) The available Response Value will have to be requested

i *This section is not required*

j. Order Line PTS Inbound

Field Name	Type	Max Length (Value)	Optional	Comments
OrderNumber	String	25		
OrderReleaseNumber	String	8		
OrderLineNumber	String	8		
OrderLineNumberSeq	String	8		
PTSID	String	8	Yes	Status Specific Logic A = Must be Valid PrePrint ID U = Must be Valid Standard ID C = Not Used X = Not Used



MfgDate	Date	10	Yes	CCYY-MM-DD
SerialNumber	String	30	Yes	
Warranty	String	25	Yes	
WarrantyExpireDate	Date	10	Yes	CCYY-MM-DD
WarrantyOrderNumber	String	50	Yes	
WarrantyType	String	25	Yes	
ReplacedPTSID	String	8	Yes	Status Specific Logic C = Must be Valid Standard ID U = Must be Valid Standard ID A = Must be Valid Standard ID
ReplacementReason	String	50	Yes	
RFID	String	24	Yes	
URLAttachments			Yes	SubSection Inside of OrderLineInbounds Repeat URL fields for each attachment
URL	String	1000	Yes	Must start with "http:\\\" or "https:\\\"
LinkText	String	500	Yes	
isPublic	String	5 (true or false)	Yes	Sets the attachment to be public or private

i This section is not required

• Additional Notes

• URL Attachments

- For multiple attachments, there needs to be multiple instanced of the URLAttachments inside of the inbound

• Example:

```

<OrderLinePTSInbound>
<OrderNumber>1549246</OrderNumber>
<OrderReleaseNumber>001</OrderReleaseNumber>
<OrderLineNumber>001</OrderLineNumber>
<OrderLineSeqNumber>001</OrderLineSeqNumber>
<PTSID></PTSID>
<URLAttachments>

```




```

<URL>http://www.google.com</URL>
<LinkText>GOOGLE</LinkText>
<IsPublic>true</IsPublic>
<URLAttachments>
<URLAttachments>
  <URL>http://www.yahoo.com</URL>
  <LinkText>yahoo</LinkText>
  <IsPublic>true</IsPublic>
<URLAttachments>
</OrderLinePTSInbound>

```

k. XML Schema

1. Inbound

This is the schema is for General Order Interface.

http://phconnect.parker.com/pts_e/OrderInterface/PTSTOrderInterface2.xsd

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" id="PTSTOrderInterface2"
  elementFormDefault="qualified">
  <!--
targetNamespace="http://phconnect.parker.com/pts_e/OrderInterface/PTSTOrderInterface2.xsd"
  xmlns="http://phconnect.parker.com/pts_e/OrderInterface/PTSTOrderInterface2.xsd"
  xmlns:mstns="http://phconnect.parker.com/pts_e/OrderInterface/PTSTOrderInterface2.xsd"
-->
  <xsd:annotation>
    <xsd:documentation xml:lang="en">PTS - Parker Tracking System Order Interface Copyright
Parker Hannifin Corp. 2009. All rights reserved.</xsd:documentation>
  </xsd:annotation>
  <xsd:element name="PTSTOrderImport">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="DataSource" type="xsd:string" />
        <xsd:element name="AccountCode" type="xsd:string" />
        <xsd:element name="OrderNumber" type="xsd:string" />
        <xsd:element name="OrderReleaseNumber" type="xsd:string" />
        <xsd:element name="Status" type="xsd:string" />
        <xsd:element name="CustomerNumber" type="xsd:string" minOccurs="0" />
        <xsd:element name="ShipToNumber" type="xsd:string" minOccurs="0" />
        <xsd:element name="CustomerPO" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToName" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToAddress1" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToAddress2" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToAddress3" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToAddress4" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToCity" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToState" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToZip" type="xsd:string" minOccurs="0" />
        <xsd:element name="BillToCountry" type="xsd:string" minOccurs="0" />
        <xsd:element name="ShipToName" type="xsd:string" minOccurs="0" />
        <xsd:element name="ShipToAddress1" type="xsd:string" minOccurs="0" />
        <xsd:element name="ShipToAddress2" type="xsd:string" minOccurs="0" />
        <xsd:element name="ShipToAddress3" type="xsd:string" minOccurs="0" />
        <xsd:element name="ShipToAddress4" type="xsd:string" minOccurs="0" />
        <xsd:element name="ShipToCity" type="xsd:string" minOccurs="0" />
        <xsd:element name="ShipToState" type="xsd:string" minOccurs="0" />

```



```
<xsd:element name="ShipToZip" type="xsd:string" minOccurs="0" />
<xsd:element name="ShipToCountry" type="xsd:string" minOccurs="0" />
<xsd:element name="AutoPrint" type="xsd:boolean" minOccurs="0" />
<xsd:element name="Response" type="xsd:boolean" minOccurs="0" />
<xsd:element name="Printer" type="xsd:string" minOccurs="0" />
<xsd:element name="OrderLine" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderID" type="xsd:string" minOccurs="0" />
      <xsd:element name="OrderNumber" type="xsd:string" />
      <xsd:element name="OrderReleaseNumber" type="xsd:string" />
      <xsd:element name="OrderLineNumber" type="xsd:string" />
      <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
      <xsd:element name="PartNumber" type="xsd:string" />
      <xsd:element name="AlternatePartNumber" type="xsd:string" minOccurs="0" />
      <xsd:element name="Product" type="xsd:string" minOccurs="0" />
      <xsd:element name="ProductModifier" type="xsd:string" minOccurs="0" />
      <xsd:element name="Quantity" type="xsd:decimal" />
      <xsd:element name="ModelNumber" type="xsd:string" minOccurs="0" />
      <xsd:element name="LabelCopies" type="xsd:decimal" minOccurs="0" />
      <xsd:element name="CustomData1" type="xsd:string" minOccurs="0" />
      <xsd:element name="CustomData2" type="xsd:string" minOccurs="0" />
      <xsd:element name="CustomData3" type="xsd:string" minOccurs="0" />
      <xsd:element name="OrderLineBOM" maxOccurs="unbounded" minOccurs="0">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="OrderNumber" type="xsd:string" />
            <xsd:element name="OrderReleaseNumber" type="xsd:string" />
            <xsd:element name="OrderLineNumber" type="xsd:string" />
            <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
            <xsd:element name="ComponentSeqNumber" type="xsd:string" />
            <xsd:element name="ComponentPart" type="xsd:string" />
            <xsd:element name="Quantity" type="xsd:decimal" />
            <xsd:element name="UOM" type="xsd:string" />
            <xsd:element name="SubPTSID" type="xsd:string" minOccurs="0" />
            <xsd:element name="ReplaceDate" type="xsd:date" minOccurs="0" />
            <xsd:element name="QCCode" type="xsd:string" minOccurs="0" />
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="OrderLineComments" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderNumber" type="xsd:string" />
      <xsd:element name="OrderReleaseNumber" type="xsd:string" />
      <xsd:element name="OrderLineNumber" type="xsd:string" />
      <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
      <xsd:element name="CommentSeqNumber" type="xsd:string" />
      <xsd:element name="Comment" type="xsd:string" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="OrderLineAltData" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderNumber" type="xsd:string" />
      <xsd:element name="OrderReleaseNumber" type="xsd:string" />
      <xsd:element name="OrderLineNumber" type="xsd:string" />
      <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
      <xsd:element name="MfgrName" type="xsd:string" minOccurs="0" />
      <xsd:element name="PartNumber" type="xsd:string" minOccurs="0" />
      <xsd:element name="ProductLine" type="xsd:string" minOccurs="0" />
      <xsd:element name="Notes" type="xsd:string" minOccurs="0" />
      <xsd:element name="MfgrDate" type="xsd:date" minOccurs="0" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="OrderLineAltBOM" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
```



```
<xsd:sequence>
  <xsd:element name="OrderNumber" type="xsd:string" />
  <xsd:element name="OrderReleaseNumber" type="xsd:string" />
  <xsd:element name="OrderLineNumber" type="xsd:string" />
  <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
  <xsd:element name="ComponentSeqNumber" type="xsd:string" />
  <xsd:element name="ComponentPart" type="xsd:string" />
  <xsd:element name="Quantity" type="xsd:decimal" />
  <xsd:element name="UOM" type="xsd:string" />
  <xsd:element name="QCCode" type="xsd:string" minOccurs="0" />
</xsd:sequence>
</xsd:complexType>
</xsd:element>
<xsd:element name="OrderLineAppData" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderNumber" type="xsd:string" />
      <xsd:element name="OrderReleaseNumber" type="xsd:string" />
      <xsd:element name="OrderLineNumber" type="xsd:string" />
      <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
      <xsd:element name="Location1" type="xsd:string" minOccurs="0" />
      <xsd:element name="Location2" type="xsd:string" minOccurs="0" />
      <xsd:element name="Equipment" type="xsd:string" minOccurs="0" />
      <xsd:element name="VinMachine" type="xsd:string" minOccurs="0" />
      <xsd:element name="AppInlet" type="xsd:string" minOccurs="0" />
      <xsd:element name="AppInletDesc" type="xsd:string" minOccurs="0" />
      <xsd:element name="AppOutlet" type="xsd:string" minOccurs="0" />
      <xsd:element name="AppOutletDesc" type="xsd:string" minOccurs="0" />
      <xsd:element name="Media" type="xsd:string" minOccurs="0" />
      <xsd:element name="MediaTemp" type="xsd:string" minOccurs="0" />
      <xsd:element name="Environment" type="xsd:string" minOccurs="0" />
      <xsd:element name="EnvironmentTemp" type="xsd:string" minOccurs="0" />
      <xsd:element name="Pressure" type="xsd:string" minOccurs="0" />
      <xsd:element name="CumulativeRuntime" type="xsd:string" minOccurs="0" />
      <xsd:element name="CumulativeRuntimeCycle" type="xsd:string" minOccurs="0" />
    </xsd:sequence>
    <xsd:element name="Crit" type="xsd:string" minOccurs="0" />
    <xsd:element name="Repair" type="xsd:string" minOccurs="0" />
  </xsd:complexType>
</xsd:element>
<xsd:element name="OrderLineDynamicAppData" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderNumber" type="xsd:string" />
      <xsd:element name="OrderReleaseNumber" type="xsd:string" />
      <xsd:element name="OrderLineNumber" type="xsd:string" />
      <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
      <xsd:element name="ElementID" type="xsd:string" />
      <xsd:element name="ResponseText" type="xsd:string" />
      <xsd:element name="ResponseValue" type="xsd:string" minOccurs="0" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:element name="OrderLinePTSInbound" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="OrderNumber" type="xsd:string" />
      <xsd:element name="OrderReleaseNumber" type="xsd:string" />
      <xsd:element name="OrderLineNumber" type="xsd:string" />
      <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
      <xsd:element name="PTSID" type="xsd:string" minOccurs="0" />
      <xsd:element name="MfgDate" type="xsd:date" minOccurs="0" />
      <xsd:element name="SerialNumber" type="xsd:string" minOccurs="0" />
      <xsd:element name="Warranty" type="xsd:string" minOccurs="0" />
      <xsd:element name="WarrantyExpireDate" type="xsd:date" minOccurs="0" />
      <xsd:element name="WarrantyOrderNumber" type="xsd:string" minOccurs="0" />
      <xsd:element name="WarrantyType" type="xsd:string" minOccurs="0" />
      <xsd:element name="ReplacedPTSID" type="xsd:string" minOccurs="0" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```



```
<xsd:element name="ReplacementReason" type="xsd:string" minOccurs="0" />
<xsd:element name="RFID" type="xsd:string" minOccurs="0" />
<xsd:element name="URLAttachments" maxOccurs="unbounded" minOccurs="0">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="URL" type="xsd:string" minOccurs="0" />
      <xsd:element name="LinkText" type="xsd:string" minOccurs="0" />
      <xsd:element name="IsPublic" type="xsd:string" minOccurs="0" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:schema>
```

• Additional Notes

- This XML Schema is subject to change (The PTS team intends to limit the number of changes to the XML schema; however, future enhancements may require changes).
- There can be multiple OrderLines in an order.
- There can be multiple OrderLineBOM in an OrderLine.
- There can be multiple OrderLineComments in an OrderLine.
- For orders where a line item is for a KIT, the sequence (seq.) can be used for multiple items with single line item.

2. Outbound

The following is an example schema that will be replayed as a parameter from the web service. This replay is only sent if the Response values in the Order Header must both be set to true. The outbound transaction will include all PTS IDs generated by the auto-print function.

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" id="PTSAutoPrintResponse"
  elementFormDefault="qualified">
  <!--
targetNamespace="http://phconnect.parker.com/pts_e/OrderInterface/PTSAutoPrintResponse.xsd"
  xmlns="http://phconnect.parker.com/pts_e/OrderInterface/PTSAutoPrintResponse.xsd"
  xmlns:mstns="http://phconnect.parker.com/pts_e/OrderInterface/PTSAutoPrintResponse.xsd"
-->
  <xsd:annotation>
```



```

<xsd:documentation xml:lang="en">PTS - Parker Tracking System AutoPrint Response Copyright
Parker Hannifin Corp. 2009. All rights reserved.</xsd:documentation>
</xsd:annotation>
<!--
Provide list of PTS IDs by Order Line Item when AutoPrint
-->
<xsd:element name="PTSAutoPrintResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="PTSOrderLineOutbound" maxOccurs="unbounded" minOccurs="1">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="OrderNumber" type="xsd:string" />
            <xsd:element name="OrderReleaseNumber" type="xsd:string" />
            <xsd:element name="OrderLineNumber" type="xsd:string" />
            <xsd:element name="OrderLineSeqNumber" type="xsd:string" />
            <xsd:element name="OutboundPTSIDs" maxOccurs="unbounded" minOccurs="1">
              <xsd:complexType>
                <xsd:sequence>
                  <xsd:element name="PTSID" type="xsd:string" />
                </xsd:sequence>
              </xsd:complexType>
            </xsd:element>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:schema>

```

Example:

Many fields in the XML are optional; these examples will have all fields populated.

```

<PTSOrderImport>
  <DataSource>JDE_FNS</DataSource>
  <AccountCode>TESTDAVID</AccountCode>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <Status>C</Status>
  <CustomerNumber>0987654321</CustomerNumber>
  <ShipToNumber>1234567890</ShipToNumber>
  <CustomerPO>Customer PO</CustomerPO>
  <BillToName>BT Name</BillToName>
  <BillToAddress1>BT Address 1</BillToAddress1>
  <BillToAddress2>BT Address 2</BillToAddress2>
  <BillToAddress3>BT Address 3</BillToAddress3>
  <BillToAddress4>BT Address 4</BillToAddress4>
  <BillToCity>BT City</BillToCity>
  <BillToState>OH</BillToState>
  <BillToZip>BT Zip</BillToZip>
  <BillToCountry>USA</BillToCountry>
  <ShipToName>ST Name</ShipToName>
  <ShipToAddress1>ST Address 1</ShipToAddress1>
  <ShipToAddress2>ST Address 2</ShipToAddress2>
  <ShipToAddress3>ST Address 3</ShipToAddress3>
  <ShipToAddress4>ST Address 4</ShipToAddress4>
  <ShipToCity>ST City</ShipToCity>
  <ShipToState>OH</ShipToState>
  <ShipToZip>ST Zip</ShipToZip>

```

Order Start

Status Determines what type of XML Order this is.
 A = Assign, used to assign preprinted IDs with no user interaction
 U = Update, used to update PTS IDs with no user interaction
 C = Create, used to create PTS IDs with no user interaction
 X = XML, used to save the XML file to be printed against at a later date by a user at a later date.



```

<ShipToCountry>USA</ShipToCountry>
<AutoPrint>>false</AutoPrint>
<Response>>false</Response>
<Printer>FCGPTSTEST</Printer>
<OrderLine>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <PartNumber>201-10</PartNumber>
  <Product>Filter</Product>
  <ProductModifier>Oil</ProductModifier>
  <Quantity>3</Quantity>
  <ModelNumber>ABCOverride</ModelNumber>
  <LabelCopies>001</LabelCopies>
  <CustomData1>Custom Data 1</CustomData1>
  <CustomData2>Custom Data 2</CustomData2>
  <CustomData3>Custom Data 3</CustomData3>
<OrderLineBOM>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <ComponentSeqNumber>001</ComponentSeqNumber>
  <ComponentPart>201-10</ComponentPart>
  <Quantity>1</Quantity>
  <UOM>in</UOM>
  <SubPTSID>12345678</SubPTSID>
  <ReplaceDate>2025-10-25</ReplaceDate>
  <QCCode>TESTQC</QCCode>
</OrderLineBOM>
<OrderLineBOM>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <ComponentSeqNumber>002</ComponentSeqNumber>
  <ComponentPart>10126-8-10</ComponentPart>
  <Quantity>2</Quantity>
  <UOM>PC</UOM>
  <SubPTSID>87654321</SubPTSID>
  <ReplaceDate>2020-10-25</ReplaceDate>
</OrderLineBOM>
<OrderLineComments>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <CommentSeqNumber>001</CommentSeqNumber>
  <Comment>Comment 1</Comment>
</OrderLineComments>

```

Order Line Start

Order Line BOM Start
There can be multiple order lines in an order
Bill of Material is Optional

Order Line BOM End

Order Line BOM Start
There can be multiple order lines in an order
Bill of Material is Optional

Order Line BOM End

Order Line Comments Start
There can be multiple order lines in an order
Comments are Optional

Order Line Comment End



```

<OrderLineComments>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <CommentSeqNumber>002</CommentSeqNumber>
  <Comment>Comment 2</Comment>

```

Order Line Comments Start
 There can be multiple order lines in an order
 Comments are Optional

```

</OrderLineComments>

```

Order Line Comment End

```

<OrderLineComments>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <CommentSeqNumber>003</CommentSeqNumber>
  <Comment>Comment 3</Comment>

```

Order Line Comments Start
 There can be multiple order lines in an order
 Comments are Optional

```

</OrderLineComments><OrderLineAltData>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <MfgrName>Hagey</MfgrName>
  <PartNumber>212</PartNumber>
  <ProductLine>SuperAwesome</ProductLine>
  <Notes>Hello really long Note Goes here just to test somet hings out</Notes>
  <MfgrDate>2025-10-25</MfgrDate>

```

Order Line Comment End

Order Line Alt Data Start
 Section is Optional
 Should be only one per orderline

```

</OrderLineAltData>

```

Order Line Alt Data End

```

<OrderLineAltBOM>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <ComponentSeqNumber>001</ComponentSeqNumber>
  <ComponentPart>201-10</ComponentPart>
  <Quantity>1</Quantity>
  <UOM>in</UOM>
  <QCCCode>TESTQC</QCCCode>

```

Order Line Alt BOM Start
 Section is Optional

```

</OrderLineAltBOM>

```

Order Line Alt Data End

```

<OrderLineAltBOM>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <ComponentSeqNumber>002</ComponentSeqNumber>
  <ComponentPart>201-12</ComponentPart>
  <Quantity>15</Quantity>
  <UOM>pc</UOM>
  <QCCCode>YASS</QCCCode>

```

Order Line Alt BOM Start
 Section is Optional

```

</OrderLineAltBOM>

```

Order Line Alt Data End

```

<OrderLineAppData>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <Location1>BHLOC1</Location1>

```

Order Line App Data Start
 Section is Optional
 Should be only one per orderline



```

<Location2>BHLOC2</Location2>
<Equipment>02</Equipment>
<VinMachine>02</VinMachine>
<AppInlet>02</AppInlet>
<AppInletDesc>TestInlet</AppInletDesc>
<AppOutlet>02</AppOutlet>
<AppOutletDesc>TestOutlet</AppOutletDesc>
<Media>02</Media>
<MediaTemp>02</MediaTemp>
<Environment>02</Environment>
<EnvironmentTemp>02</EnvironmentTemp>
<Pressure>02</Pressure>
<CumulativeRuntime>5</CumulativeRuntime>
<CumulativeRuntimeCycle>Days</CumulativeRuntimeCycle>
<Crit>1</Crit>
<Repair>01</Repair>
</OrderLineAppData>
<OrderLineDynamicAppData>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <ElementID>26</ElementID>
  <ResponseText>201809ABC</ResponseText>
  <ResponseValue />
</OrderLineDynamicAppData>
<OrderLineDynamicAppData>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <ElementID>40</ElementID>
  <ResponseText>200556</ResponseText>
  <ResponseValue />
</OrderLineDynamicAppData>
<OrderLinePTSInbound>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <PTSID>XXXXXXXX</PTSID>
  <MfgDate>2010-10-25</MfgDate>
  <SerialNumber>887658585</SerialNumber>
  <Warranty>OW</Warranty>
  <WarrantyExpireDate>2010-10-25</WarrantyExpireDate>
  <WarrantyOrderNumber>88543252</WarrantyOrderNumber>
  <WarrantyType>P</WarrantyType>
  <ReplacedPTSID>XXXXXXXX</ReplacedPTSID>
  <ReplacementReason>Broken</ReplacementReason>
  <RFID>FirstPrintRFID</RFID>
  <URLAttachments>
    <URL>http://www.google.com</URL>
    <LinkText>GOOGLE</LinkText>

```

Order Line App Data End

Order Line Dynamic App Data Start
 Section is Optional
 Element IDs must be requested from PTS
 Example: 26 = Lot Number

Order Line App Data End

Order Line Dynamic App Data Start
 Section is Optional
 Element IDs must be requested from PTS
 Example: 26 = Lot Number

Order Line App Data End

Order Line PTS Inbound Start
 Section is Optional
 URL Attachments can be one to many
 If the Quantity is 3, the first inbound will be used on the first PTSID, second will be used on the second, ect

 Replaced PTS ID needs to be a valid Status 2 tag
 PTS ID is only used during A or U Status

 Status X Does not replace PTS IDs

Attachment Start



```
<IsPublic>true</IsPublic>  
</URLAttachments>  
<URLAttachments>  
  <URL>http://www.yahoo.com</URL>  
  <LinkText>yahoo</LinkText>  
  <IsPublic>true</IsPublic>  
</URLAttachments>  
</OrderLinePTSInbound>
```

Attachment End
Attachment Start
Attachment End
Order Line PTS Inbound End



```

<OrderLinePTSInbound>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <PTSID>XXXXXXXXXX</PTSID>
  <MfgDate>2011-10-25</MfgDate>
  <SerialNumber>002335</SerialNumber>
  <Warranty>EW</Warranty>
  <WarrantyExpireDate>2011-10-25</WarrantyExpireDate>
  <WarrantyOrderNumber>88543252</WarrantyOrderNumber>
  <WarrantyType>P</WarrantyType>
  <ReplacedPTSID>XXXXXXXXXX</ReplacedPTSID>
  <ReplacementReason>Broken</ReplacementReason>
  <RFID>SecondPrintRFID</RFID>
  <URLAttachments>
    <URL>http://www.google.com</URL>
    <LinkText>GOOGLE</LinkText>
    <IsPublic>>true</IsPublic>
  </URLAttachments>
  <URLAttachments>
    <URL>http://www.yahoo.com</URL>
    <LinkText>yahoo</LinkText>
    <IsPublic>>true</IsPublic>
  </URLAttachments>
</OrderLinePTSInbound>
<OrderLinePTSInbound>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <OrderLineNumber>001</OrderLineNumber>
  <OrderLineSeqNumber>001</OrderLineSeqNumber>
  <PTSID>XXXXXXXXXX</PTSID>
  <MfgDate>2012-10-25</MfgDate>
  <SerialNumber>003335</SerialNumber>
  <Warranty>EW</Warranty>
  <WarrantyExpireDate>2012-10-25</WarrantyExpireDate>
  <WarrantyOrderNumber>88543252</WarrantyOrderNumber>
  <WarrantyType>P</WarrantyType>
  <ReplacedPTSID>XXXXXXXXXX</ReplacedPTSID>
  <ReplacementReason>Broken</ReplacementReason>
  <RFID>ThirdPrintRFID</RFID>
  <URLAttachments>
    <URL>http://www.google.com</URL>
    <LinkText>GOOGLE</LinkText>
    <IsPublic>>true</IsPublic>
  </URLAttachments>
  <URLAttachments>
    <URL>http://www.yahoo.com</URL>
    <LinkText>yahoo</LinkText>
    <IsPublic>>true</IsPublic>
  </URLAttachments>

```

Order Line PTS Inbound Start
 Section is Optional
 URL Attachments can be one to many
 If the Quantity is 3, the first inbound will be used on the first PTSID, second will be used on the second, ect
 Replaced PTS ID needs to be a valid Status 2 tag
 PTS ID is only used during A or U Status
 Status X Does not replace PTS IDs

Attachment Start

Attachment End

Attachment Start

Attachment End

Order Line PTS Inbound Start
 Section is Optional
 URL Attachments can be one to many
 If the Quantity is 3, the first inbound will be used on the first PTSID, second will be used on the second, ect
 Replaced PTS ID needs to be a valid Status 2 tag
 PTS ID is only used during A or U Status
 Status X Does not replace PTS IDs

Attachment Start

Attachment End

Attachment Start

Attachment End

</OrderLinePTSInbound>
 </OrderLine>
 </PTSOrderImport>

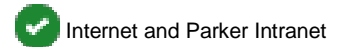
Order line Inbound End
Order line End
Order End

I: Test Web Service Page

- The TestWebService page is designed to give the developer the means in which to test their formatted xml interface data.
- By selecting Method 2 (FNS-Filter) and clicking Submit XML it will submit your current string, or if the page is blank it will generate a sample string for testing.
 - The testing process will require a valid <DataSource> value (*TESTING2*) and valid <AccountCode>.

1. Production Environment:

http://www.phconnect.com/pts_e/OrderInterface/TestWebService.aspx



2. Testing and Training Environment:

http://phctest.parker.corp/pts_e/OrderInterface/TestWebService.aspx



http://phctest.parker.com/pts_e/OrderInterface/TestWebService.aspx



Web Service Input (xml):

Web Service Output:

Method 2 (FNS-Filters) ▾

Web Service Input (xml):

```
<PTSOrderImport>
  <DataSource>TESTING2</DataSource>
  <AccountCode>TESTDAVID</AccountCode>
  <OrderNumber>SUPERTEST</OrderNumber>
  <OrderReleaseNumber>001</OrderReleaseNumber>
  <Status></Status>
  <CustomerNumber>0987654321</CustomerNumber>
  <ShipToNumber>1234567890</ShipToNumber>
  <CustomerPO>Customer_PO</CustomerPO>
  <BillToName>BT_Name</BillToName>
  <BillToAddress1>BT_Address_1</BillToAddress1>
  <BillToAddress2>BT_Address_2</BillToAddress2>
  <BillToAddress3>BT_Address_3</BillToAddress3>
  <BillToAddress4>BT_Address_4</BillToAddress4>
  <BillToCity>BT_City</BillToCity>
  <BillToState>OH</BillToState>
  <BillToZip>BT_Zip</BillToZip>
  <BillToCountry>USA</BillToCountry>
  <ShipToName>ST_Name</ShipToName>
  <ShipToAddress1>ST_Address_1</ShipToAddress1>
  <ShipToAddress2>ST_Address_2</ShipToAddress2>
  <ShipToAddress3>ST_Address_3</ShipToAddress3>
  <ShipToAddress4>ST_Address_4</ShipToAddress4>
```

Web Service Output:

XML data test completed successfully.

Method 2 (FNS-Filters) ▾



m: Web Service WSDL

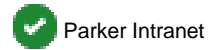
1. Production Environment:

http://www.phconnect.com/pts_e/OrderInterface/XMLOrderInterface.asmx?op=OrderInterface



2. Testing and Training Environment:

http://phctest.parker.corp/pts_e/OrderInterface/XMLOrderInterface.asmx?op=OrderInterface



http://phctest.parker.com/pts_e/OrderInterface/XMLOrderInterface.asmx?op=OrderInterface



XMLOrderInterface

Click [here](#) for a complete list of operations.

OrderInterface

PTS Order Interface

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
xmlstr:	<input type="text"/>

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The [placeholders](#) shown need to be replaced with actual values.

```

POST /pts_e/OrderInterface/XMLOrderInterface.asmx HTTP/1.1
Host: www.phconnect.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://phconnect.parker.com/pts_e/ParkerPTSWeb/OrderInterface/OrderInterface"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap=
<soap:Body>
  <OrderInterface xmlns="http://phconnect.parker.com/pts_e/ParkerPTSWeb/OrderInterface/">
    <xmlstr>string</xmlstr>
  </OrderInterface>
</soap:Body>
</soap:Envelope>

HTTP/1.1 200 OK

```