



**Parts Inventory Extract
Predefined Integration Package (PIP) v1.0
Product Guide**

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Release Highlights

Date	Description of Key Product Changes
1/10/2011	This PIP now includes the LastSaleDate field, which defines the most recent date on which the corresponding part was sold.

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1. Introduction

1.1 Overview

The Parts Inventory Extract PIP (Predefined Integration Package) is an integration product offering that enables third-party vendors to integrate directly and securely with the Parts Application within the ADP DMS. The Parts Inventory Extract PIP allows dealership client users to extract Parts Inventory data from the DMS.

1.2 Definitions, Terms and Abbreviations

Term	Definition
3PA	ADP Third Party Access
DMS	Dealer Management System
PIP	Predefined Integration Package

1.3 Using this Guide

This product guide is intended to be used along with the *3PA Developer's Guide*. This guide contains business rules, field descriptions, example XML, and error codes related to the Parts Inventory Extract PIP.

2. Parts Inventory Extract Request

Each request made of the Extract PIP web service must include the following data components. An example HTTP Post can be seen in the following section.

Field Name	Type	Length	Required	Field Description
User Name	Text	50	Y	Requesting party's user name.
Password	Text	50	Y	Requesting party's password.
DealerID	Text	25	Y	ADP 3PA's identifier for the dealer.
QueryID	Text	25	Y	ADP 3PA's identifier for the saved query.
DeltaDate	Date	N/A	N	Required if query type is Delta. MM/DD/YYYY
Parameters	Text	25	N	Depending on the predefined query, specific parameters may also be passed to further define the extract criteria. All parameters must have a prefix: qparam.

3. Field Selection and Query Definition

During the development and setup phase of integration, a vendor specifies the fields that they want to include in the extract and the criteria that should be used to extract the data. The query statements are developed for the vendor by an ADP Integration Analyst so that the vendor does not have to learn a new query language or worry about the names of internal data elements within the DMS. Each query is named and provided to the vendor so that they may call the query by name in the API. The queries are tested with the vendor to ensure that the extract is pulling the correct fields using the correct criteria. The data extract output is provided to the vendor application in XML format.

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3.1 Extract Criteria

The following Extract types are available for the Parts Inventory Extract PIP.

- Bulk query- This query type pulls all available records from the Parts Inventory file on the DMS.
- Delta query- This query pulls all records changed after a specified date. This query must always be accompanied by a parameter of the DeltaDate.
- Adhoc fixed selection query- This query type is used to further limit the data provided back in the extract. An example of an adhoc Parts Inventory selection statement would be to return all records with "quantity on hand" greater than or equal to zero.
- Adhoc variable selection query- Variable parameters can be included in these queries. An example of a variable adhoc Parts Inventory selection statement would be to return all records with "quantity on hand" greater than "qparamX". Each time the query is sent, a value for "qparamX" would need to be provided in the request.

3.2 Parts Inventory Extract Data Elements

The following list of fields is available in the Parts Inventory Extract PIP.

Field Name	Type	Length	Description
HostItemID	Key	40	Pick file item ID
PartNumber	Text	25	Part number
Class	Text	8	Classification code
Description	Text	15	Part number description
BOPCK	Text	12	BOPCK Interchangeability code
Source	Text	4	Part source code
SortKey1	Text	15	Sort key 1 (Field5)
SortKey2	Text	15	Sort key 2 (Field6)
SortKey3	Text	15	Sort key 3 (Field7)
Pack	Numeric (0)	4	The number of pieces contained within a package
Multiple	Numeric (0)	4	The minimum quantity shipped by the manufacturer
PriceUnit	Numeric (0)	4	Price unit
PackMultipleFlag	Text	1	Package or multiple quantity flag
Cost	Numeric (2)	15	Cost price or dealer net
List	Numeric (2)	15	Retail price
Trade	Numeric (2)	15	Trade or wholesale price
Comp	Numeric (2)	15	Wholesale compensation amount
Exchange	Numeric (2)	15	Exchange or core price
ABCD	Text	12	A.B.C.D. or informational field
ArrivedFlag	Text	1	Arrived flag
SeasonCode1	Text	3	Seasonal code 1
SeasonCode2	Text	3	Seasonal code 2
SeasonCode3	Text	3	Seasonal code 3
SeasonCode4	Text	3	Seasonal code 4
Price6	Numeric (2)	15	Extra pricing field #6
Price7	Numeric (2)	15	Extra pricing field #7

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Field Name	Type	Length	Description
PNC	Text	25	Part number change
RBCode	Text	5	Supersession code
ExtraDS	Numeric (0)	3	Extra days supply
UpdateCode	Text	2	Update code from most recent manufacturer update
CommentFlag	Text	1	Comment indicator
Appreciation	Numeric (2)	15	Net month-to-date change in value of part
OldOnHand	Numeric (0)	5	Old on-hand quantity
NewOrderQty	Numeric (0)	5	New order quantity
Review	Text	4	Review for quantity change
Bin1	Text	8	First bin location
Bin2	Text	8	Second bin location
Bin3	Text	8	Third bin location
OnHand	Numeric (0)	5	On-hand quantity
MemoPartFlag	Text	1	Memo Part Flag
DeletePartFlag	Text	1	Delete Part Flag
PerJob	Numeric (0)	5	Minimum on-hand quantity needed to complete a job
BRP	Numeric (0)	5	Best reorder point
BSL	Numeric (0)	5	Best stocking level
FullBin	Numeric (0)	5	Full bin; maximum stocking level for a part
SpecialStatus	Text	3	Special status
DateAdded	Date	12	Date of entry
LastCountDate	Date	12	Last date part was counted in physical inventory
Price8	Numeric (2)	15	Extra pricing field #8
Price9	Numeric (2)	15	Extra pricing field #9
Price10	Numeric (2)	15	Extra pricing field #10
MonthsNoReceipt	Numeric (0)	3	Number of consecutive months without receipt
MonthsNoSale	Numeric (0)	3	Number of consecutive months without sale
JanSales	Numeric (0)	5	January demand history, current year
JanSales2	Numeric (0)	5	January demand history, last year
JanSales3	Numeric (0)	5	January demand history, two years ago
FebSales	Numeric (0)	5	February demand history, current year
FebSales2	Numeric (0)	5	February demand history, last year
FebSales3	Numeric (0)	5	February demand history, two years ago
MarSales	Numeric (0)	5	March demand history, current year
MarSales2	Numeric (0)	5	March demand history, last year
MarSales3	Numeric (0)	5	March demand history, two years ago
AprSales	Numeric (0)	5	April demand history, current year
AprSales2	Numeric (0)	5	April demand history, last year
AprSales3	Numeric (0)	5	April demand history, two years ago
MaySales	Numeric (0)	5	May demand history, current year
MaySales2	Numeric (0)	5	May demand history, last year
MaySales3	Numeric (0)	5	May demand history, two years ago

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Field Name	Type	Length	Description
JunSales	Numeric (0)	5	June demand history, current year
JunSales2	Numeric (0)	5	June demand history, last year
JunSales3	Numeric (0)	5	June demand history, two years ago
JulSales	Numeric (0)	5	July demand history, current year
JulSales2	Numeric (0)	5	July demand history, last year
JulSales3	Numeric (0)	5	July demand history, two years ago
AugSales	Numeric (0)	5	August demand history, current year
AugSales2	Numeric (0)	5	August demand history, last year
AugSales3	Numeric (0)	5	August demand history, two years ago
SepSales	Numeric (0)	5	September demand history, current year
SepSales2	Numeric (0)	5	September demand history, last year
SepSales3	Numeric (0)	5	September demand history, two years ago
OctSales	Numeric (0)	5	October demand history, current year
OctSales2	Numeric (0)	5	October demand history, last year
OctSales3	Numeric (0)	5	October demand history, two years ago
NovSales	Numeric (0)	5	November demand history, current year
NovSales2	Numeric (0)	5	November demand history, last year
NovSales3	Numeric (0)	5	November demand history, two years ago
DecSales	Numeric (0)	5	December demand history, current year
DecSales2	Numeric (0)	5	December demand history, last year
DecSales3	Numeric (0)	5	December demand history, two years ago
Month13Sales	Numeric (0)	5	Demand history for the current month one year ago
Month14Sales	Numeric (0)	5	Demand history for the prior month one year ago
LastTransDate	Date	12	Date of the last transaction
BaseCostLIFO	Numeric (2)	15	Base cost for LIFO calculations
BegQtyLIFO	Numeric (0)	5	Beginning quantity for LIFO calculations
MTDEmerPurchase	Numeric (0)	5	Emergency purchases this month
MTDPlusAdj	Numeric (0)	5	Plus adjustments this month
MTDMinusAdj	Numeric (0)	5	Minus adjustments this month
MTDLostSales	Numeric (0)	5	Lost sales this month
ExcessQty	Numeric (0)	5	Excess quantity
Comment	Text	20	Client information applicable to the part
Misc	Text	5	Miscellaneous information needed by client
UnitWeight	Numeric (2)	8	Weight of each part in pounds or kilograms
CoreMatrix	Text	15	Core Group/Matrix Number
CoreSerialized	Text	1	Serialized Part indicator
DirtyBin1	Text	8	Bin 3 location for dirty cores
DirtyOnHand	Numeric (0)	5	Total of all the dirty cores in house
Manufacturer	Text	2	Manufacturer code
AccountingAccount	Text	17	Associated accounting account
SeasonCode5	Text	3	Seasonal code 5
SeasonCode6	Text	3	Seasonal code 6

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Field Name	Type	Length	Description
ABCXYZ	Text	2	Cost Ranking Code
Cntr	Text	4	Transaction type counter
PriorYearSales1	Numeric (0)	3	Demand history for the prior year
PriorYearSales2	Numeric (0)	3	Demand history for two years ago
PriorYearSales3	Numeric (0)	3	Demand history for three years ago
PreSoldQuantity	Numeric (0)	3	Pre Sold Quantity
RequestedQuantity	Numeric (0)	3	Requested Quantity
DateLastReceipted	Date	12	Date last receipted
ErrorLevel	Text	1	ErrorLevel Flag
ErrorMessage	Text	80	Error Message
LastSaleDate	Date	12	Last date when the part was sold

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3.3 Examples

The following is an example response XML.

```
- <Parts xmlns="http://www.dmotorworks.com/pip-extract-parts">
- <Part>
  <HostItemID>25683581</HostItemID>
  <PartNumber>25683581</PartNumber>
  <Class>9170</Class>
  <Description>B-COMPRESSO</Description>
  <BOPCK>K</BOPCK>
  <Source>100</Source>
  <SortKey1>RUVXSUXQ</SortKey1>
  <SortKey2 />
  <SortKey3 />
  <Pack>1</Pack>
  <Multiple>1</Multiple>
  <PriceUnit />
  <PackMultipleFlag>M</PackMultipleFlag>
  <Cost>514.20</Cost>
  <List>857.00</List>
  <Trade>685.60</Trade>
  <Comp>494.92</Comp>
  <Exchange />
  <ABCD />
  <ArrivedFlag />
  <SeasonCode1 />
  <SeasonCode2 />
  <SeasonCode3 />
  <SeasonCode4 />
  <Price6 />
  <Price7 />
  <PNC>25707824</PNC>
  <RBCode>RB</RBCode>
  <ExtraDS />
  <UpdateCode />
  <CommentFlag />
  <Appreciation />
  <OldOnHand />
  <NewOrderQty />
  <Review />
  <Bin1 />
  <Bin2 />
  <Bin3 />
  <OnHand>0</OnHand>
  <MemoPartFlag>1</MemoPartFlag>
  <DeletePartFlag />
  <PerJob />
```

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```

<BRP>0</BRP>
<BSL>1</BSL>
<FullBin />
<SpecialStatus>AP</SpecialStatus>
<DateAdded>2003-03-09</DateAdded>
<LastCountDate />
<Price8>22.00</Price8>
<Price9>2.75</Price9>
<Price10>42.00</Price10>
<MonthsNoReceipt />
<MonthsNoSale />
<JanSales />
<JanSales2 />
<JanSales3 />
<FebSales />
<FebSales2 />
<FebSales3 />
<MarSales />
<MarSales2 />
<MarSales3 />
<AprSales />
<AprSales2 />
<AprSales3 />
<MaySales />
<MaySales2 />
<MaySales3 />
<JunSales />
<JunSales2 />
<JunSales3 />
<JulSales />
<JulSales2 />
<JulSales3 />
<AugSales />
<AugSales2 />
<AugSales3 />
<SepSales />
<SepSales2 />
<SepSales3 />
<OctSales />
<OctSales2 />
<OctSales3 />
<NovSales />
<NovSales2 />
<NovSales3 />
<DecSales />
<DecSales2 />
<DecSales3 />
<Month13Sales />
<Month14Sales />

```

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```

<LastTransDate>2003-08-02</LastTransDate>
<BaseCostLIFO />
<BegQtyLIFO />
<MTDEmerPurchase />
<MTDPlusAdj />
<MTDMinusAdj />
<MTDLostSales />
<ExcessQty />
<Comment />
<Misc />
<UnitWeight />
<CoreMatrix />
<CoreSerialized />
<DirtyBin1 />
<DirtyOnHand />
<Manufacturer>TO</Manufacturer>
<AccountingAccount>DMIQA-A</AccountingAccount>
<SeasonCode5 />
<SeasonCode6 />
<ABCXYZ />
<Cntr />
<PriorYearSales1 />
<PriorYearSales2 />
<PriorYearSales3 />
<PreSoldQuantity />
<RequestedQuantity />
<DateLastReceipted />
<MFGControlled />
<GuaranteedQuantity />
<ErrorLevel>0</ErrorLevel>
<ErrorMessage />
<LastSaleDate />
</Part>
- <Part>
  <HostItemID>725411470</HostItemID>
  <PartNumber>725411470</PartNumber>
  <Class />
  <Description>BRAKE DRUM R</Description>
  <BOPCK />
  <Source>200</Source>
  <SortKey1>WRUTQQTWP</SortKey1>
  <SortKey2 />
  <SortKey3 />
  <Pack>1</Pack>
  <Multiple>1</Multiple>
  <PriceUnit />
  <PackMultipleFlag>M</PackMultipleFlag>
  <Cost>77.97</Cost>
  <List>129.95</List>

```

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```

<Trade />
<Comp />
<Exchange />
<ABCD>132 YCD4</ABCD>
<ArrivedFlag />
<SeasonCode1 />
<SeasonCode2 />
<SeasonCode3 />
<SeasonCode4 />
<Price6 />
<Price7 />
<PNC>725411471</PNC>
<RBCode>RB</RBCode>
<ExtraDS />
<UpdateCode>U</UpdateCode>
<CommentFlag />
<Appreciation>0.00</Appreciation>
<OldOnHand />
<NewOrderQty />
<Review />
<Bin1 />
<Bin2 />
<Bin3 />
<OnHand>0</OnHand>
<MemoPartFlag>1</MemoPartFlag>
<DeletePartFlag />
<PerJob>1</PerJob>
<BRP>0</BRP>
<BSL>1</BSL>
<FullBin />
<SpecialStatus>DP</SpecialStatus>
<DateAdded>2005-02-28</DateAdded>
<LastCountDate>2005-02-10</LastCountDate>
<Price8>22.00</Price8>
<Price9 />
<Price10 />
<MonthsNoReceipt />
<MonthsNoSale />
<JanSales />
<JanSales2 />
<JanSales3 />
<FebSales />
<FebSales2 />
<FebSales3 />
<MarSales />
<MarSales2 />
<MarSales3 />
<AprSales />
<AprSales2 />

```

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```

<AprSales3 />
<MaySales />
<MaySales2 />
<MaySales3 />
<JunSales />
<JunSales2 />
<JunSales3 />
<JulSales />
<JulSales2 />
<JulSales3 />
<AugSales />
<AugSales2 />
<AugSales3 />
<SepSales />
<SepSales2 />
<SepSales3 />
<OctSales />
<OctSales2 />
<OctSales3 />
<NovSales />
<NovSales2 />
<NovSales3 />
<DecSales />
<DecSales2 />
<DecSales3 />
<Month13Sales />
<Month14Sales />
<LastTransDate>2005-02-10</LastTransDate>
<BaseCostLIFO />
<BegQtyLIFO />
<MTDEmerPurchase />
<MTDPlusAdj />
<MTDMinusAdj />
<MTDLostSales />
<ExcessQty />
<Comment />
<Misc />
<UnitWeight />
<CoreMatrix />
<CoreSerialized />
<DirtyBin1 />
<DirtyOnHand />
<Manufacturer />
<AccountingAccount>DMIQA-A</AccountingAccount>
<SeasonCode5 />
<SeasonCode6 />
<ABCXYZ />
<Cntr />
<PriorYearSales1 />

```

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```

    <PriorYearSales2 />
    <PriorYearSales3 />
    <PreSoldQuantity />
    <RequestedQuantity />
    <DateLastReceived />
    <MFGControlled />
    <GuaranteedQuantity />
    <ErrorLevel>0</ErrorLevel>
    <ErrorMessage />
    <LastSaleDate />
  </Part>
</Parts>

```

4. Parts Inventory Extract Error Codes

Note: At this time, there are no error codes that are specific to the Parts Inventory Extract PIP. For general extract errors and resolutions, refer to the *3PA Developer's Guide*.

The table below provides a list of the error codes.

Error Code	Error Description	Possible Resolution(s)
n/a		