



Infor Piston Automotive (PN)

AutoMap/Traditional (ASN)

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### **Publication Information**

Release: Infor Piston Automotive

Publication date: October 2018

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## Table of Changes

<b>Changed By</b>	<b>Date</b>	<b>Reason</b>	<b>Update#</b>	<b>Section Changed</b>
K. Radtke	7/3/18	PNPLEXFLG	A116121404	Application Keywords
K. Radtke	2/14/17	PNTAREDSP	A117011207	Application Keywords
K. Radtke	2/14/17	PNLINCNTR	A117011206	Application Keywords
K. Radtke	2/14/17	Add 824	A112081709	Transactions Sets
K. Radtke	2/14/17	Add 862	A107010806	Transactions Sets

## General Information

### Transaction Sets and Versions

The Piston Automotive module supports the following transaction sets:

- 824 Application Advice Version 4010
- 830 Material Release Version 4010
- 856 ASN Version 4010
- 862 Shipping Schedule Version 4010
- Inbound 997 Functional Acknowledgement Version 4010
- Outbound 997 Functional Acknowledgement Version 4010

The **824 (Application Advice)** is sent by Piston Automotive to the supplier to convey an error, rejection or approval of the ASN.

The **830 (Material Release)** contains planning requirements.

The **856 (ASN)** is required to be transmitted for each shipment within the time frame defined by Piston Automotive.

The **862 (Shipping Schedule)** contains firm ship requirements.

The **Inbound 997 (Functional Acknowledgement)** is received to acknowledge the transmitted 856.

The **Outbound 997 (Functional Acknowledgement)** is required to be transmitted to acknowledge the receipt of an 830.

# Security

## Communication Method

Piston Automotive communicates through the ACM (Advanced Communications Module) component. For more information on ACM, see Chapter 17 of the AutoRelease Main Manual. Enter security requirements (identification codes, passwords, etc.) before attempting to receive or transmit. Network security is entered one time, but may be accessed by multiple trading partners.

When establishing a trading partnership with a VAN or direct, the following data is required in your User Profile:

Wrap Data?	YES - 80
Start New Record on New Interchange?	YES

## File Archiving / Auto Print and Process

(Option 3 on the AZ10 Menu - ACM)

```

AZD2008                                PROCESS PROFILE SETUP

      OEM .....
      Company .....

      Auto Print .....
      Auto Process.....
      Auto 997.....
      Days To Archive.....

F4=Prompt   F12=Cancel
    
```

- Auto Print (Y/N) - Enter “Y” if using Auto Receive and Breakdown (scheduled through ACM), to perform an automatic Print after the Breakdown. Enter “N” if not using Auto Receive, or, if using Auto Receive and Breakdown, if the Print option is not to be run automatically after the Breakdown.
- Auto Process (Y/N) - Enter “Y” if using Auto Receive and Breakdown (scheduled through ACM) and if also using Auto Print, to perform an automatic Process after the Receive, Breakdown and Print. Enter “N” if not using Auto Receive, or, if using Auto Receive, Breakdown, and Auto Print, if the Process option is not to be run automatically after the Print.
- Auto 997 (Y/N) – Enter “Y” and a 997 will automatically be sent back to the OEM acknowledging receipt of inbound EDI data.
- Days to Archive - Enter the number of days to archive files received from the OEM. Files must be saved at least one day. Archived files are files that are stored for a given number of days, so that they can be reactivated. The number of days is not based on calendar days. Only the number of days when a communication session takes place is counted. Then the archived files are removed during the next Shift.

Note: Only error-free requirements are processed. Errors must be corrected and the “Print” and “Process” options must be taken manually to process the remaining data.

# Implementation

## Identification Code File

The Identification Code File is used when taking the options to "Split" a file received from Piston Automotive and when transmitting ASNs. The Identification Code File is used differently by different manufacturers.

### Initial Record

Company Number	- xx
OEM Code	- PN
Plant ID	- Piston Automotive's supplier ID
Press Enter to display remaining fields:	
OEM ID	- Piston Automotive's ID (ISA06, 109507379)
Corporate ID	- Your DUNS Number
Remit to Duns #	- Not used by Piston Automotive
Transmission Mode	- P
Smart Labels	- N
Pallet Staging	- N
Bar Code File Transfer	- N
Variable Unwrap Print	- Y or N
Automatic print of 997	- N
AutoMap - Y	

Errors that occur during the Split that indicates a code is missing from the Identification Code File are referring to Plant ID or OEM ID.

AutoMap - Enter "Y" to place data in the AutoMap files (during the Split).

## Master File Entry

The entry of each master file is not explained in this document. Only the master files that require unique entry, to accommodate specific business practices for this trading partner are noted.

## Model Year

Piston Automotive does not send model year. Therefore, the Requirement and Price Files must be entered leaving the model year fields blank.

## EDI Code File

### 830/862 Type Codes

- C Firm
- D Planning

### 830/862 Frequency Codes

- D Discrete
- F Flexible
- W Weekly

## Requirement File - Clear Flags

The Requirement Master clear flags should not be marked. Keywords are used to determine what to clear based on purpose codes.

## CUM Required Prior

Piston Automotive does not send CUM required prior. Therefore, it is necessary to enter a CUM required figure manually before going live. The CUM required prior is used to calculate ahead and behind figures and to round to package quantity. Enter the CUM required prior when entering a Piston Automotive manual requirement or while testing. To enter, access the Manual Requirements Entry screen and select a part or press F5.

## Application Control File Keywords

An Application Control File Keyword has been created to determine if the tare level is required on the ASN when master labels have been created.

The keyword PNTAREDSP can be set up for a specific company or all companies. It can be used for all Destination Abbreviations or specific ones.

From the System Maintenance Menu,

Select option 17. Application Control File Maintenance.

Then select option 1. Enhanced Application Control File Maintenance.

Select keyword: PNTAREDSP with option 1

Press F6 to add data.

Used:      Company = Enter your Company or '\*' for all companies  
            OEM = OEM Code  
            Cust = Customer Abbreviation  
            Dest = Destination Abbreviation or '\*' for all Destination Abbreviations  
            Text = 'Y' to activate this keyword or 'N' if inactive

```

                                Enhanced Application Control File Maintenance    8/12/XX
RSDM6011D                                                                09:43:17
Owner of the Keyword                CATEGORY                ADD/CHANGE
INFOR                                OUTBOUND

Keyword                            DESC
PNTAREDSP                          DISPLAY TARE ON ASN FOR PISTON AUTOMOTIVE
Active

CO      OEM    Cust      Dest
*       PN    PNCUST    *

TEXT:
1
Y
    
```

An Application Control File Keyword has been created for plants that are NOT using the Plex standard but need to include the LIN segment for the container, the keyword PNLINCNTR must be set to Y for the Toledo plant. It can be set up for a specific company or all companies.

From the System Maintenance Menu,  
 Select option 17. Application Control File Maintenance.  
 Then select option 1. Enhanced Application Control File Maintenance.  
 Select keyword: PNLINCNTR with option 1  
 Press F6 to add data.

```

KARENK      Enhanced Application Control File Maintenance    2/13/XX
RSDM6011D                                                                15:26:07
Owner of the Keyword                ADD/CHANGE
INFOR                                CATEGORY
                                INBOUND

Keyword                            DESC
PNLINCNTR                          PISTON LIN CONTAINER INCLUDE
Active

CO      OEM    Cust      Dest
KB     PN    PIS      TOLEDO

TEXT:
1
Y
    
```

An Application Control File Keyword has been created to determine if the 856 should be created using the new Plex specifications or the old version. If the Destination Abbreviations are in effect for this keyword the 856 will be created using the new Plex specifications. The new keyword PNPLEXFLG can be set up for a specific company or all companies. It can be used for all Destination Abbreviations or specific ones.

From the System Maintenance Menu,

Select option 17. Application Control File Maintenance.

Then select option 1. Enhanced Application Control File Maintenance.

Select keyword: PNPLEXFLG with option 1.

Press F6 to add data.

Used:      Company = Enter your Company or '\*' for All Companies  
           OEM = OEM Code  
           Cust = Customer Abbreviation  
           Dest = Destination Abbreviation or '\*' for all destination abbreviations  
           Text = 'Y' to activate this keyword or 'N' if inactive

```

                                Enhanced Application Control File Maintenance      8/12/XX
RSDM6011D                                                                09:43:17
  Owner of the keyword
INFOR                                OUTBOUND

  Keyword          DESC
  PNPLEXFLG       PISTON PLEX CONVERSION          Active

  CO      OEM      Cust      Dest
  *       PN      PNCUST    PNDEST

TEXT:
1
Y
    
```

# ASNS

```

VLD8000PN1      2/13/XX      MENU: VL8PN      10:47:07
12.0      -----
                PISTON AUTOMOTIVE
                ADVANCED SHIPPING NOTIFICATIONS
                -----

1.  Maintain ASNs                7.  List Printed Bar Code Labels
2.  List ASNs                    8.  Create/Transmit ASNs
3.  Upload/Convert Bar Code Data  9.  Purge Printed Bar Code Labels
4.  Maintain Bar Code Data       10. Purge Transmitted ASNs/Bar Code Data
5.  Maintain Printed Bar Code Labels 11. Reactivate Transmitted ASNs/Bar Codes
6.  List Bar Code Data

                23. Return to V/L Advanced Shipping Notifications
                24. Return to Main Menu

                                Option
    
```

## ASN Header Maintenance Screen

```

VLD810PN1      ASN MAINTENANCE MENU
Company KB      Sequence number  2663  OEM PN      ASN V      Action Code O
-----
--
Shipper # .. 112882      In-House Part # 8G1T-14290-CC
Ship Date .. 1/11/XX      Customer Part # 8G1T-14290-CC
Ship Time .. 938      Plant ID ..... 5SMNYZ
Arrival Date 1/18/XX      Equip Desc.... TE
Arrival Time 1200      Equip Init..... SCAC
Cust Abrv .. PIS      Master BOL....
Dest Abrv .. PIS6      Container Desc  BOX91
Dock Code ..      P.O. Number ... 1045
U of M ..... EA      Carrier Abbv .. CTNR
Qty Ship ...      100  Conv Code ..... 30
                Conv Bill ..... 112882
                Eng Rev.....
    
```

Sequence Number - Assigned by the system.

Company - Displays the company number that was previously entered.

OEM - "PN" for Piston Automotive.

Many fields on the ASN maintenance screen default from various master files. However, most of them can be changed at shipper entry time.

Action Code - Valid action codes include the following:

H - Hold Record is not included in transmission

O – Open/Original

T - Transmitted

Shipper # - Shipper/Invoice number assigned by the system when the shipper was created.

Ship Date - Date of shipment in MM-DD-YY format. Defaults from shipper entry time.

Ship Time – The time of the current shipment. Defaults from shipper entry time.

Dest Abrv - User-assigned abbreviation that must be entered in the Machine Readable File to return the correct destination code in the ASN.

Cust Abrv - User-assigned abbreviation that must be entered in the Machine Readable File to return the correct customer code in the ASN file.

Qty Shp - Number of pieces shipped.

Equip. Desc - Equipment Description further describes the Conveyance Code. Defaults from the Carrier File.

Dock - The code representing the dock at the destination location if a dock code was transmitted. Defaults from the Requirement A record. The Destination Abbreviation with the dock code must be entered in the Machine Readable Destination File to transmit the correct destination location code in the ASN file.

ASN - Defaults from the Destination File. The ASN code can be changed at shipper entry time.

Plant ID - Supplier code assigned by Piston Automotive. This defaults from the Supplier Code field in the Requirement Master during "Extract." It is also entered in the Plant ID field in the Identification Code File. It is transmitted in the N1\*SF segment in the ASN file.

Conv Code - AIAG standard code, which describes the method of conveyance. Defaults from the Carrier File. It can be changed at shipper entry time.

Carrier Abbv - Carrier Abbreviation (SCAC code), which defaults from the Carrier Abbreviation field in the Carrier File.

U of M - Defaults from the ASN Unit of Measure field in the Destination File. It can be changed at shipper entry time.

Equip. Initial - Equipment initial defaults from the Carrier File. It further describes the Conveyance Code.

Master BOL – Pool Bill Number.

PO Number - Purchase Order Number issued by Piston Automotive. Defaults from the Requirement B record.

Eng Rev - Engineering revision level defaults from the Requirement B record. It is displayed at shipper time and cannot be changed. If the Engineering Rev field of the 862 Requirement B record is blank, the default Engr Level is retrieved from the 830 Requirement C record. The Default Eng Level field must be manually entered in the Requirement C record.

In-House Part # - Internal part number entered in the Parts Cross Reference File.

Cust Part # - Piston Automotive's part number.

Conv Bill - Defaults from the Conveyance Number field at shipper entry time if a trailer number or air freight number was entered. If there was no entry at that time, the shipper number will default.

Arrival Date – The date the goods are to arrive at Piston Automotive.

Arrival Time - The time the goods are to arrive at Piston Automotive.

## How to Use This Document

This document provides information regarding unique instructions required to implement this trading partner's unique business practices. There is a separate document called "AutoMap Manual" which describes those procedures which apply to all trading partners (NOT unique for each trading partner) such as the daily procedures, job controls, etc.

### General Information

The general information section of this document describes transaction sets, how they apply to this trading partner and other miscellaneous information.

### Security

The security section of the document explains the network(s) used by this trading partner, and specific information about how to create the Trading Partner Cross Reference File.

### Implementation

Requirements received via AutoMap are processed into the AutoRelease master files to perform shipping, ASN and invoicing functions. Therefore, enter all master files in the same manner as required when processing data from the AutoRelease menus.

**Exception:** Special AutoMap processing needs are handled via keywords in AutoMap. Therefore, clear flags and special processing flags (F20) should not be marked.

The entry of each master file is NOT explained in this supplement. Only those that require specific fields marked to accommodate specific business practices for this trading partner are noted.

The master files required during the "Process" from the AutoMap Requirement Display, are the same files that are required when processing from the VL0 menus:

- Machine Readable - Customer and Destination
- Parts Cross Reference
- Requirement Master

These files must be entered to successfully process data into the Requirement and Load Files.

### AutoMap Features and Preferences

In AutoMap, keywords are unique for the business practices of the trading partner. This section describes how to access keywords, whether there are optional or conditional keywords for this trading partner, and how to activate and deactivate keywords.

## **Activate or Deactivate Keywords - Change Error Types (Warning - Terminal)**

Keywords activate special processing to accommodate OEM practices.

1. Access the AutoMap Menu.
2. Take the Process Keywords options.
3. Select the trading partner with 7 (keyword options).
4. Keywords are displayed for the selected trading partner.
5. Select the keyword to be changed with 1 (select).