Infor Advance Auto Parts (UI)

Traditional

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Changed By	Date	Reason	Update#	Section Changed
K. Radtke	2/27/18	P.O. information from bar code file	A117032101	Application Control File

General Information

Transaction Sets

The Advance Auto Parts trading partner module supports the following transaction sets:

▪ 810	Electronic Invoice	Version 4010
▪ 850	Purchase Order	Version 4010
▪ 856	ASN	Version 4010
▪ 997	Functional Acknowledgement	Version 4010

The **810 (Electronic Invoice)** contains part price information for shipments.

The **850 (Purchase Order)** contains firm requirements with pricing information.

The **856 (ASN)** is required to be transmitted for each shipment when the truck leaves the plant. Bar code information is not required for Advance Auto Parts.

The **997 (Functional Acknowledgement)** acknowledges the receipt of transmissions from OEM.

Security

Communication Method

Advance Auto Parts 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.

Note: When establishing communication set up either with a VAN or direct, the following must exist:

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 AutoReceive and Breakdown (scheduled through ACM), to perform an automatic Print after the Breakdown. Enter “N” if not using AutoReceive, or, if using AutoReceive and Breakdown, if the Print option is not to be run automatically after the Breakdown.
- Auto Process (Y/N) - Enter “Y” if using AutoReceive 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 AutoReceive, or, if using AutoReceive, 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 for 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

ARS Setup Steps

ACM Communication for trading partner

Define Identification Code File

Trading Partnership File

Machine Readable File

Customer Abbreviation File

Destination Abbreviation File

Parts Cross Reference File for new parts

Customer Master File

Destination Master File

Create a generic record which will be used for the Requirement Master setup.

Actual address information will be pull from the Purchase Order at time of shipment.

**NOTE: When creating a shipper, the generic destination information is displayed on the header screen. To pull the correct address, select a detail line item and create the shipper. The correct destination information will be retrieved from the PO sent from Advance Auto.

Enter a Requirement Master record for each part

Setup Users with Security File authority to Advance Auto Parts Menu and options

Identification Code File

The Identification Code File is used when taking the options to "Split" and “Breakdown” a file received from Advance Auto Parts and when transmitting ASNs. The Identification Code File is used differently by different manufacturers.

```
Company Number              - xx
OEM Code                    - UI
Plant ID                    - Supplier ID defined by Advance Auto Parts

OEM ID                      - OEM DUNS Number
Corporate ID                - Supplier’s DUNS Number
Remit to Duns #             - Not used
Transmission Mode           - T/P  T- Test,  P-Production
Smart Labels                - Y or N
Pallet Staging              - Y or N
Bar Code File Transfer      - N
Variable Unwrap Print       - Y or N
Automatic print of 997      - Y or N
AutoMap                     - N
```

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

Errors that occur during the “Breakdown” that indicate a code is missing from the Identification Code File are referring to Plant ID or Corporate ID

Trading Partnership File

The Trading Partnership File is used to enter data to be used in the “enveloping” of the electronic file being transmitted instead of using the Identification Code File and the hard-coding within the programs. When a trading partner changes their enveloping, the change may be made, by the user, in the Trading Partnership File, instead of waiting for a program change.

Press F14 (Trading Partnership File (X.12)) after entering the appropriate data in the Identification Code File.

Follow the steps below to complete the Trading Partnership File setup.

1. Press F6 (ADD) from the Trading Partnership Review screen.

2. Abbreviations may be entered. Press Enter.

3. Enter the code representing data format (A for ISA). Press Enter. The Maintain Trading Partnership File Detail screen is displayed.

4. Press F7 (Infor defaults).
   Modifications may be needed to the 855 ISA, 856 ISA, 810 ISA or 997 ISA records. Verify the default records are created with the correct values.

```
VLD9702A                  Maintain Trading Partnership File

 Company Number.......... CO                (A)ISA/(C)ICS/(E)Edifact: A
 OEM Code................ UI
 Supplier ID............. SUPPLIERID
 Customer Abbrv(O).......
 Destination Abbrv(O)....

 User Define Description: ELECTRONIC INVOICE RECORD

              Qualifier/Information
 Authorization:  00                        Active (Y)/(N): Y
 Security:       00
 Sender:         XX   SENDERID
 Receiver:       XX   RECEIVERID
                                                        Hexadecimal Code
 Control Standards ID:  U                Sub Element Separator:  B0
 Version Identifier:    04010            Data Element Separator: 5C
                                         Segment Terminator:     A1
 Computer Generated ISA Control Number: Y

F7=Update Infor Defaults  F10=GS Level  F12=Return
```

5. Press F10 (GS Level).
   Modifications may be needed to the 855 GS, 856 GS, 810 GS or 997 GS records. Verify the default records are created with the correct values.

GS Detail Screen

```
VLD9702E               Maintain Functional Identifier

 Company Number.......... CO
 OEM Code................ UI
 Supplier ID............. SUPPLIERID
 Customer Abbrv(O)........
 Destination Abbrv(O).....
 Transaction Type........ 810
                                            Non Repeating Transaction
 Functional Identifier:     SH                  Control Number:        Y
 Application Sender:        SENDERID
 Application Receiver:      RECEIVERID        ST Control#:
 Responsible Agency Code:   X
 Version/Release/Industry:  004010
 (T)est/(P)roduction:       P
 Acknowledge Requested:     N

 Last Date Used:             0/00/00
 Last Time Used:
 Number Times Used:                            Processing Option: P
 Computer Generated Group Control Number: Y    P=Print Before Sending
F12=Return
```

6. Press Enter. Functional Identifier Review screen is displayed.
7. Press F12. Maintain Trading Partnership File Review screen is displayed.
8. Press Enter. Trading Partnership File Review screen is displayed.
9. Press F12. Identification Code File screen is displayed.

Setup is complete.

Machine Readable Destination File - Electronic Invoices

```
                    DESTINATION ABBREVIATION RECORD

              Company Number ..............  CO
              OEM Code ....................  UI
              Identification Number .......  XXXX
              Dock Location ...............  YYYY

              Destination Abbreviation ....  UIDEST
              Destination Description .....  ADVANCE AUTO DEST. ABBRV
              P O Destination .............  000000000
              ERS Destination .............      (Y/N)
              OEM Consideration ...........      (Y/N)
              Electronic Invoices ......... Y    (Y/N)
              Line Set ....................  N   (Y/N)
              Clear By Destination ........  N   (Y/N)
              Type of FBO .................      (M/S)
              Chrysler PAB/Non-PAB Combine.      (Y/N)
              Send Prev CUM on ASN/DESADV .  N   (Y/N)
              Exclude from APNAT calc .....  N   (Y/N)
              Place on Credit Hold ........      (Y/N)
              Ship Direct .................      (Y/N)

 F1=Help   F10=Delete   F12=Return
```

Electronic Invoices - Enter “Y.” Electronic Invoice files are created for this destination when the Print and Process Invoice option is taken and the Reprint Invoice prompt is answered with ‘N’ for ‘No'.

Destination File – Invoices

```
SCD6300B              MAINTAIN DESTINATION MASTER FILE

Company Number ............ XX   COMPANY NUMBER
Destination Number ........ 999999999
Name 1 ..... Advance Auto Parts         FOB ..............
Name 2 .....                            Distributor Code ..
Address 1 .. (Generic Setup)            Ford Dest Code .........
Address 2 ..                            ASN/DESADV (B/C/N/O/V/Y) V
Address 3 ..                            GM Msg/Temp Msg Code ...     /
City/State .                            GM Std Loc/Ford Rt Cd 2.
Zip Code ...                            Carrier Preference .....
Country ....                            Route Code / HMRS (Y/N).
                                        Honda Destination ......
Arrival/Ship Dates (A/S) .....          Supplier Type (P/S) ....
Delivery Travel Time (Hrs/Min)          ASN Unit of Measure .... EA
Delivery Travel Time (Days) ..          JIT Location (Y/N) .....
                                        Bar Code Verif (Y/N/C/S)
 Available Ship Days (X = Select)       Print Invoices (Y/N) ... N
S    M    T    W    H    F    S         Create Invoices (Y/N) .. Y
                                        Payment Type: Coll   PP   PPI
Oth
Names:                                  Alt. Description...
                                        Dealer Code .......
F1=Help   F10=Delete   F12=Return       Cat Europe Ult Dest ....
```

Print Invoices

Enter “N” if hard copy invoices are not needed or required. Enter “Y” to print hard copy invoices in addition to transmitting the electronic invoice.

Create Invoices

Enter “Y” to create a GL/AR file which will be passed through the interface to the ERP package. Also, a hard copy, electronic invoice or both for each shipper to this destination will be generated.

Requirement Master

```
JTDMAINT2                 REQUIREMENT MASTER ENTRY                    CHANGE

 Company KB  Customer UICUST  Part 10594743         Destination UIDEST  MY

 Customer Part # .... 10594743                        OEM Code ....... UI
 Supplier Code ...... 12345                           OEM Division ...
 Customer # .........       200                  Destination # ......
127
 Commodity Code ..... 100                        Unit of Measure .... KG
 Controlling Source .                            Price Code ......... A
 Dock Code ..........                            Trailer Capacity ...
 Container Part # ...                            Package Quantity ...     100
  _________ MRP _________   _______ Reports _______   ________ Clear ________
  866   862   830   850     866   862   830   850 X   866   862   830   850
                            Process P.O.s Y
  Planner # ........ 0000   Balance Out Code ...      Product Code .
  Weekly Ship Code .        Final Release Code .      Analyst # ....
  Rack ID ..........
  User #1 ..                                    User #2 ..
  User #3 ..           .00000
  Remarks ..
 F1=Help          F7=OEM Info  F8=REQB        F9=REQC       F10=Delete
 F11=File Maint   F12=Return   F19=Fab/Mtl    F20=Special Process
```

Process P.O.s flag must be marked with Y to process in 850 transactions.

It is suggested that clear flags (found in the Requirement Master) be marked as follows:

```
866 862 830 850
 _   _   _   _
```

This is subject to change based on the files Advance Auto Parts transmits to your company. DO NOT select clear flags with X if requirements are transmitted only once for any given transaction set.

Application Control File

A Keyword "SCANPO" + "OEM" needs to be set up in Basic Application Control

File:

```
CO = Company or **
Application Name = *ALL
Keyword = SCANPOUI
Length = 10
Dec= blank
Infor Data = PRINTVER
```

Purpose: Pass the PO number to Bar Code File in order to build MAN segments correctly for sending ASNs to Advance Auto Parts (UI).

Model Year

Advance Auto Parts does not send model year. Therefore, the Requirement and Price Files must be entered leaving the model year field blank.

CUM Required Prior

Advance Auto Parts doesn’t send CUM required prior or CUM received. All values transmitted are actual quantities required.

Auto 997 Transaction

ACM Trading Partner Communication Setup (Option 2 on the AZ10 Menu)

Create a new record with the Transaction/Msg of 997 to handle the outbound 997 Transaction.

```
AZR2300A             TRADING PARTNER COMMUNICATION SETUP

Options: 2=Edit, 4=Delete                                                  Rv
Op OEMCo Mg/Trn Direct  Mailbox Description           Mailbox ID           Mb
EQ
   UI 01        Receive Advance Auto Parts            Advance Auto         01
   UI 01        Send    Advance Auto Parts            Advance Auto         01
   UI 01 997    Send    Advance Auto Parts            Advance Auto         01
```

ACM Process Profile Setup (Option 3 on the AZ10 Menu)

Set the Auto 997 flag to ‘Y’.

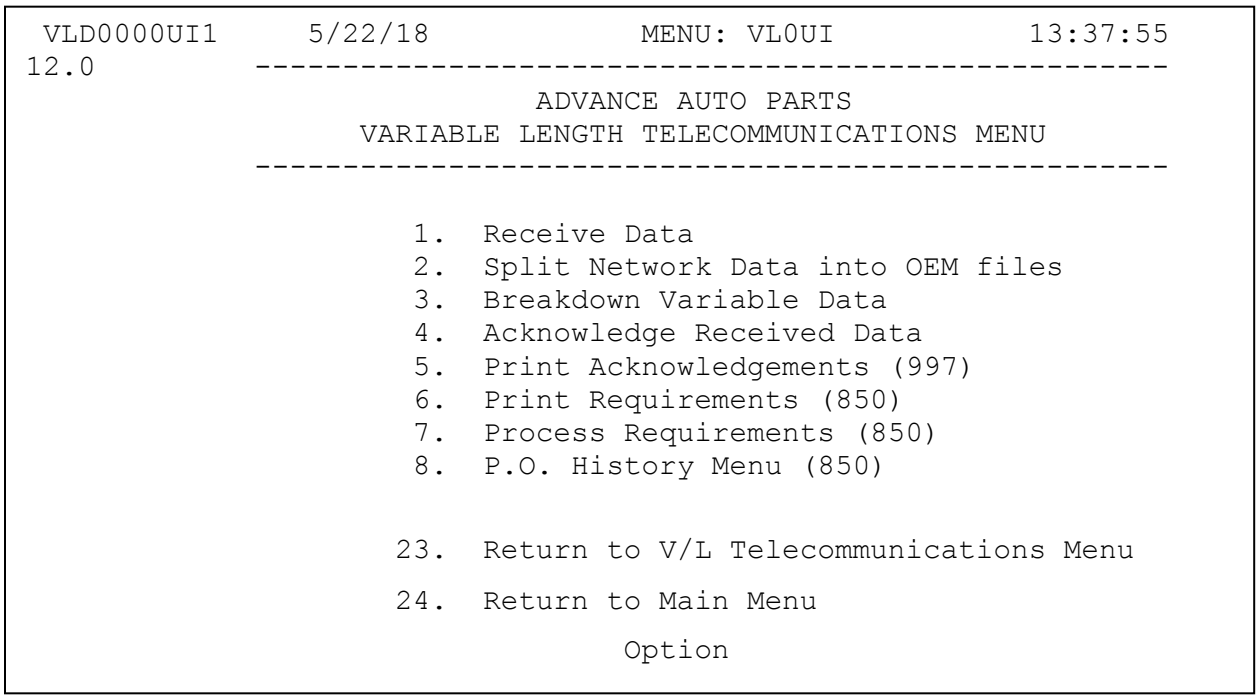
```
AZD2007A                 Profile Setup Selection

 Options:   2=Edit   4=Delete

Opt     OEM    Co    Auto Print    Auto Process    Auto 997    Days to Archive
 EQ
         UI    01        Y              Y             Y               10
```

Communication Scheduler (Option 1 on the VL16 Menu)

Setup a Scheduler Entry with the job name – SNDAFNUI to process the Auto 997 transmission.

```
CMD1020A           Schedule Job Details                              5/01/XX
DISPLAY                                                             10:13:38
OEM/Network.........: XX                Phone/Description...:
Communication Type..:                            Communication Method
Communication Member: XX
Communication Seq...:   4               Schedule Days-> Su Mo Tu We Th Fr Sa
                                           Time:
Active Code.........: Y
Delete Member.......: N                 Line Type...........:
Job Name............: SNDAFNUI          Job Type............: ACM
Job Queue...........:                   Time Limit(min).....:
Job Description.....:                   Retry Limit.........:
Output Queue........:                   Reschedule Time(min):
Message Queue.......:                   Security Type/Ver...+
Job Priority........:                   Before Process......:
Run Priority........:                   After Process.......:

Command Data........:


F3=Exit  F4=Prompt  F12=Return
```

VL0 Menu



Many options are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease Manual. Only options unique to this trading partner, exceptions or unique business practices are explained in this document.

Setting up Menu Option Security within ARS Program Name = VLC0000UI and Record Format = VL0UI

See the How to Use this Document section for organizational details about AutoRelease and trading partner documents.

VL35 Menu

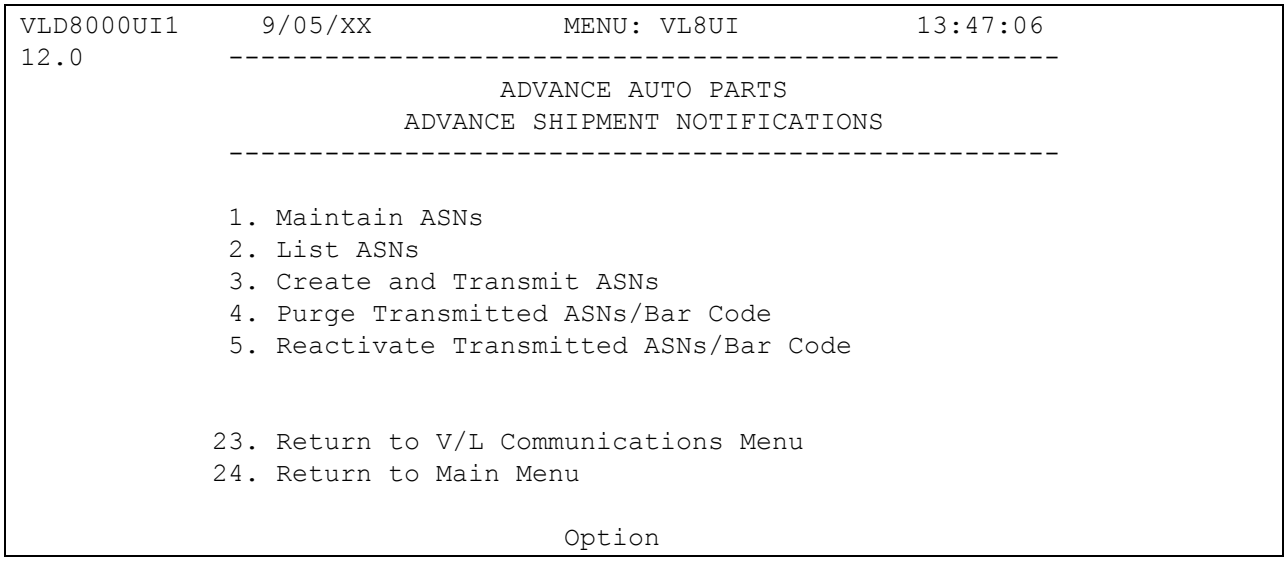
```
VLD3500UI1     2/20/XX            MENU: VL35UI          13:47:30
12.0         ----------------------------------------------------
                              ADVANCE AUTO PARTS
                           P.O. ACKNOWLEDGEMENT MENU
             ----------------------------------------------------

             1.  Maintain Purchase Orders
             2.  List Purchase Orders
             3.  Create/Transmit P.O. Acknowledgements
             4.  Reactivate P.O. Acknowledgements
             5.  Purge P.O. Acknowledgements

            23.  Return to Advance Auto V/L Communications
            24.  Return to Main Menu

                                   Option
```

Many options are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease Manual. Only options unique to this trading partner, exceptions or unique business practices are explained in this document.

Setting up Menu Option Security within ARS Program Name = VLC3500UI and Record Format = VL35UI

See the How to Use this Document section for organizational details about AutoRelease and trading partner documents.

ASNs



Traditionally coded trading partners use a VL8xx menu (where xx is the OEM code) to transmit ASNs to the trading partner. Many options are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease Manual. Only options unique to this trading partner, exceptions or unique business practices are explained in this document.

Setting up Menu Option Security within ARS Program Name = VLC8000UI and Record Format = VL8UI

See the How to Use this Document section for organizational details about AutoRelease and trading partner documents.

Bar Code

Note - bar code serial numbers are not required on the ASN.

No Ship ASN Creation

Advance Auto Parts ASN Menu

Take option 1 – Maintain ASNs

```
VLD8000UI1     5/30/XX            MENU: VL8UI            8:35:36
12.0         ----------------------------------------------------
                              ADVANCE AUTO PARTS
                         ADVANCE SHIPMENT NOTIFICATIONS
             ----------------------------------------------------

             1. Maintain ASNs
             2. List ASNs
             3. Create and Transmit ASNs
             4. Purge Transmitted ASNs/Bar Code
             5. Reactivate Transmitted ASNs/Bar Code



            23. Return to V/L Communications Menu
            24. Return to Main Menu

                                   Option
```

Press Enter to enter a No Ship ASN.

```
  VLD8100A                ASN/DESADV MAINTENANCE MENU



                          Sequence number
```

Enter the following pieces of information:

Action Code – ‘N’ (No Ship ASN)

Shipper Number – (Suggestion is to start from 990001 or higher)

Ship Date – (current date)

Ship Time – (current time)

Unit of Measure

Customer Abbreviation

Destination Abbreviation

Customer Part Number

In-House Part Number

Store Number

Plant ID/Supplier ID

Purchase Order Number

Conveyance Code

Purchase Order Date

Carrier Abbreviation

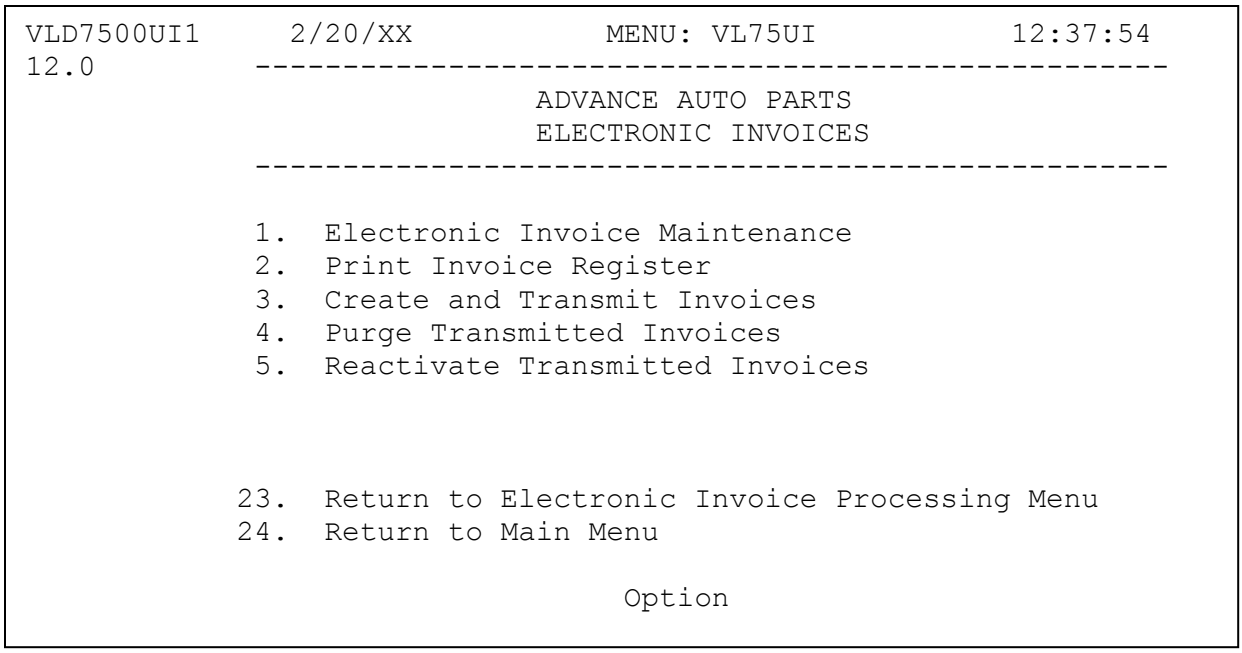
Carrier Name

Press Enter to validate information

Now the ASN is created and available to be transmitted to Advance Auto using the normal process.

```
                              ASN FILE MAINTENANCE
  Company XX     Sequence Number    999    OEM UI              Action Code N

Shipper # .. 999001       Net Weight ........             DESADV....... V
Qty Shp ....              Tare Weight .......             Cust Abbv ... CABBV
Ship Date ..  5/30/XX     U of M ............ EA          Dest Abbv ... DABBV
Ship Time ..  7:56        Container Qty .....             Pallet Qty...
Arr Date ...              Container Desc ....             Pallet Desc..
Arr Time ...              Equip Desc ........             Equip Init ..
                          Dock Code .........


Cust Part # .... BUYERPART#
In-House Part #. SELLERPART#        Store # .......... 6578
Plant ID ....... SUPPLIERID         Pro # ............
P.O. # ......... AAP PO#            Conv Code ........ ZZ
P.O. Line# .....                    Conv Bill #.......
P.O. Date ......  5/30/XX           Carrier Abbv ..... YYYY
Seal #..........                    Carrier Name...... CARRIER NAME
Heat Code.......                    Country/Origin....

 F10=Delete   F12=Return
```

VL75 Menu



Electronic Invoices Overview

Destinations requiring an electronic invoice must be identified in the Machine Readable Destination File by marking a “Y” in the Electronic Invoice field. An Invoice file is created from the shipping file, during the Extract or when invoices are manually entered from the Invoice Processing Menu. The Print and Process Invoices option on the Invoice Processing Menu must be taken to create an Electronic Invoice File. If no hard-copy invoices are required, mark “N” in the Print Invoices field in the Destination File. No Electronic Invoice is created from non-release shipping records.

Data on the electronic invoice screens may come from the file where it was originally processed or entered, or it may have been changed at ship time or through invoice maintenance.

Setting up Menu Option Security within ARS Program Name = VLC7500UI and Record Format = VL75UI

See the How to Use this Document section for organizational details about AutoRelease and trading partner documents.

How to Use This Document

This document provides information regarding unique instructions required to implement this trading partner's unique business practices. Check the chapters in AutoRelease that describe the common functions and procedures performed by all trading partners, such as the daily procedures, security, ASN options, etc.

General Information

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

Security

The security section of the document explains the communication method used by this trading partner and network profile, when applicable.

Implementation

The trading partner documents provide information that may be pertinent only to this trading partner. The implementation section covers master file entry that is unique to this trading partner. However, all required master files must be entered according to the instructions in the "AutoRelease User's Manual."

Files and fields that are unique for all trading partners include the Identification Code File, Trading Partnership File, model year, Requirement Master clear flags and CUM required prior.

VL0 Menu

Traditionally coded trading partners use a VL0xx menu (where xx is the OEM code) to perform daily procedures (from the “Receive” through the “Process”). Many of the options on the VL0 menus are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease Manual.

Daily Procedures	Describes the Receive, Split, Breakdown, Print, Process, and Transmit 997
Security	Describes all security selection and maintenance options and VAN menus

The VL0 section of each trading partner document illustrates the menu for this specific trading partner, but describes ONLY exceptions and unique business practices such as:

- The print method (mandatory or optional) is identified.
- Special processing for a common option for this specific OEM is identified.
- Fields that print on the edit list but are not processed are identified.
- Options that are not commonly used by other trading partners are described in detail.

A complete description of the common options can be found in the Daily Procedures chapter of AutoRelease.

ASNs

Traditionally coded trading partners use a VL8xx menu (where “xx” is the OEM code) to transmit ASNs to the trading partner. Many of the options on the VL8 menus are identical from trading partner to trading partner. Those options are explained one time only in the AutoRelease Manual.

ASN (VL8) Options	Describes the standard procedures for transmitting ASNs without bar code.
ASN with Bar Code Options	Describes the standard procedures for transmitting ASNs with bar code.

The VL8 section of each trading partner document illustrates the menu for this specific trading partner, but describes ONLY exceptions and unique business practices such as:

- Valid action codes are identified.
- The ASN Maintenance screen displays with valid field descriptions.
- ASN Extract exceptions and special processing relating to ASNs for this specific trading partner are identified.
- Options that are not commonly used by other trading partners are described in detail.

A complete description of the routine options can be found in the ASN (VL8) Options chapter of AutoRelease.

Electronic Invoice Menu

Some traditionally coded trading partners use a VL75xx menu (where xx is the OEM code) to transmit electronic invoices to the trading partner. Many of the options are identical from trading partner to trading partner. Those options are explained one time in the AutoRelease Manual.

Electronic Invoices	Describes invoice maintenance, print invoice register, create and transmit, purge, and reactivate transmitted invoices menu options.

The VL75 section of each trading partner document illustrates the menu for this specific trading partner, but describes ONLY exceptions and unique business practices such as:

- Invoice header screen and valid field descriptions
- Invoice line item screen
- Invoice line item information screen and valid field descriptions
- Miscellaneous charge screen and valid field descriptions
- Options that are not commonly used by other trading partners are described in detail

A complete description of the common options can be found in the Electronic Invoices chapter of AutoRelease.