



Infor Volvo (W)

Traditional

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Table of Changes

Changed By	Date	Reason	Update#	Section Changed
K. Radtke	8/26/15	Aftermarket ASNs to include container labels	A114073003	Destination Master File
K. Radtke	8/26/15	Added the no check against ship history functionality	A110082001	Application Control File
K. Radtke	8/26/15	Q - Requirements – ability to not process into the system	A110032901	Requirement Master – Special Processing
K. Radtke	8/26/15	New River Valley ASN type (V)	A109120901	Destination Master
K. Radtke	8/26/15	Added 820	A108052305	Remittance Advice (VL36W)
K. Radtke	8/26/15	New OEM Division keyword CLD2	A108012902	Requirement Master File

General Information

Transaction Sets and Versions

The Volvo module supports the following transaction sets:

- | | |
|----------------------------------|--------------|
| • 810 Electronic Invoice | Version 4010 |
| • 820 Remittance Advice | Version 4010 |
| • 824 Application Advice | Version 4010 |
| • 830 Material Release | Version 4010 |
| • 850 Purchase Order | Version 2001 |
| • 856 ASN | Version 4010 |
| • 866 Production Sequence | Version 4010 |
| • 997 Functional Acknowledgement | Version 3050 |

The 810 (Electronic Invoice) is required to be transmitted to Volvo when required.

The 820 (Remittance Advice) is issued when a check is issued indicating the payment amount and the invoice data supporting this payment.

The 824 (Application Advice) reports errors of content in the file received from Volvo.

The 830 (Material Release) contains planning requirements and is NOT shipped against.

The 850 (Purchase Order) is used by Volvo to establish pricing only.

The 856 (ASN) is required to be transmitted for each shipment when the truck leaves the plant.

The 866 (Production Sequence) contains firm ship requirements.

The 997 (Functional Acknowledgement) is required to be transmitted to acknowledge the received file, within the time frame defined by Volvo. A 997 is received by the supplier to acknowledge the 856 transmitted to Volvo.

Unlimited Company Processing

The ability to submit up to 500 companies, or “unlimited company processing,” is available for the manual or AutoReceive, Breakdown, Print, and Process options. These companies are entered in user profiles. For more information on entering companies in user profiles, see the section “Set Up Security File” in Chapter 11 of the AutoRelease main manual.

Security

Communication Method

Volvo 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 Auto Receive 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 Auto Receive, 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 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" and "Breakdown" a file received from Volvo and when transmitting 856s and 810s. The Identification Code File is used differently by different manufacturers.

Volvo requires a separate Identification Code record for each ship-to location:

- The initial record contains the supplier code in the Plant ID field. Trading partnership record required.
- Additional records must be created for each ship-to location with a "dummy" Plant ID and the OEM ID appended with the destination code. No Trading Partnership record required.

Initial Record

(Trading Partnership File Required)

```
Company Number - xx
OEM Code - W
Plant ID - Supplier Code

OEM ID - Volvo's DUNS + 5 position destination code
Corporate ID - Supplier Code
Remit to Duns Number - Your DUNS number
VAT Code - Tax ID
Transmission Mode - P
Smart Labels - Y or N
Pallet Staging - Y or N
Bar Code File Transfer - Y or N
Variable Unwrap Print - Y or N
Automatic print of 997 - 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 the Corporate ID.

Multiple OEM IDs (Trading Partnership File NOT REQUIRED)

Volvo's OEM ID is their DUNS + a 5-position destination code representing the ship-to location. Therefore, multiple identification code records are needed (one for each destination). These OEM IDs are received with the same supplier code (in the Plant ID field).

The first record entered will have the supplier code entered in the Plant ID field. Each additional record must be entered using a "dummy" or invalid supplier code. Use any number except a real supplier identification code used by this or another trading partner. The "dummy" records are used to find the company number for the additional OEM IDs during the "Split".

Trading Partnership File

Machine Readable records MUST be entered BEFORE the Trading Partnership records can be created, because destinations are validated.

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) after entering the appropriate data in the Identification Code File.

Steps to create default values:

1. Press F6 (ADD) from the ISA List Screen.
2. Abbreviations may be entered. Volvo requires a separate record for each destination. The first record created is a template and is copied and modified to create each required record and is then deleted. Therefore, it is recommended to leave the customer and destination records blank. Press Enter.
3. Enter the code representing data format (A for ISA). Press Enter. The ISA Detail Screen is displayed.
4. Press F7 (Infor Defaults).

One ISA record is created (Template).
Two GS records are created (810, 856).

Modifications are needed to the ISA and GS records. No further modifications are needed to the remaining communication record.

Press F12. The ISA List is displayed.

Steps 5-6 must be repeated for each destination.

1. This template record must be copied and modified for each Volvo destination. Enter 3 next to the template record to copy. Press Enter. Enter the Customer (optional) and Destination (required) Abbreviations. Press Enter. Select the copied record with "1." Press Enter. The ISA Detail Screen is displayed.

ISA Detail Screen

VLD9702A	Maintain Trading Partnership File
Company Number..... KB	(A) ISA/ (C) ICS/ (E) Edifact: A
OEM Code..... W	
Supplier ID..... 45454	
Customer Abbrv(O).....	
Destination Abbrv(O)....	
User Define Description: TEMPLATE	
Qualifier/Information	
Authorization: 00	Active (Y) / (N) : Y
Security: 00	
Sender: 01 45454	
Receiver: 01 1111	
Hexadecimal Code	
Control Standards ID: U	Sub Element Separator: 7A
Version Identifier: 00305	Data Element Separator: 5C
	Segment Terminator: 0D
Computer Generated ISA Control Number:	
F7=Update Infor Defaults F10=GS Level F12=Return	

- User Defined Description - Enter the name of the destination plant.
- Sender ID - Enter your DUNS number.
- Receiver ID - Enter Volvo's DUNS number + 5-position destination code.
- Press F10 (GS Level). The GS List Screen is displayed.

There are two GS records (810, 856).

Select each transaction set record with "1" (one at a time) to display the GS Detail Screen with the default data. Press Enter.

GS Detail Screen

VLD9702E	Maintain Functional Identifier	
Company Number.....	KB	
OEM Code.....	W	
Supplier ID.....	45454	
Customer Abbrv(O).....		
Destination Abbrv(O)....		
Transaction Type.....	856	
Functional Identifier:	SH	Non Repeating Transaction
Application Sender:	45454	Control Number:
Application Receiver:	1111	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:		P=Print Before Sending
F12=Return		

Processing Option - The default is blank; an unwrapped file is not to be viewed before the transmission. (Optional).

Or

Change to "P" to activate an unwrapped file to be viewed before the transmission.

Required Changes:

Application Sender - Enter your DUNS number.

Application Receiver - Enter Volvo's DUNS number + 5-position destination code.

Press Enter to return to the GS List Screen. Select the next record and repeat step 6 for each transaction set.

Press F12 to return to the ISA Detail Screen.

Repeat steps 5 and 6 for all destinations.

When all destinations have been entered, delete the template record.

Setup is complete.

Retrieve Company Number from Parts Cross Reference File – Application Control File

The Application Control record “PXCO#xx” may be activated so that the company number is retrieved from the Parts Cross Reference File instead of the Identification Code File, if the following are applicable:

- A Volvo supplier has only one Plant ID representing multiple plants
- Each plant ships unique parts
- Each plant is entered as a separate company
- All companies use the same Customer and Destination Abbreviations

Activate the “PXCO#xx” control record by adding it to the Application Control File as shown below, where “xx” is the OEM code. The Parts Cross Reference Company Retrieval Report prints when the breakdown option is taken. This report lists company numbers and the associated customer part numbers found in the Parts Cross Reference File. For more information about adding control records, see Chapter 11 of the AutoRelease Main Manual.

Application Name: *ALL
Keyword: PXCO#xx
Length: 1
Decimal: Blank
Infor Data: Y

No Check Against Ship History – Application Control File

In certain circumstances the supplier may need to prevent the check against ship history. In these cases, add the “NOCHKSHS” control record to the Application Control File to prevent ship history from being checked for in-transit quantities. Add the record as described below.

CO = Company or **
Application Name = *ALL
Keyword = NOCHKSHS
Length = 40
Dec= blank
Infor Data = Enter the OEM code and the check against ship history for in-transit quantities is not performed. Leave blank and the check against ship history for in-transit quantities is performed.

If a supplier is in a behind condition but they have shipped a RAN that is attached to a future requirement without shipping all previous requirements, then the RAN that has been shipped will process back in and could be shipped again. The supplier will not end up over shipping because the quantity from the future RAN that was shipped will reduce any A/D requirements, but the system will show that the RAN was shipped twice.

Note: This NOCHKSHS application control record may also be used for multiple OEMs. If the record is used for multiple OEMs, in the Infor data field enter the OEM codes, separated by a comma. For example: FB,I, W.

Machine Readable - Destination File

DESTINATION ABBREVIATION RECORD

```

Company Number ..... KB
OEM Code ..... W
Identification Number ..... 666
Dock Location .....

Destination Abbreviation .... VOLVO
Destination Description .....
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)

```

- Electronic Invoice - Mark the electronic invoice flag with "Y."
- Clear by Destination - Enter "Y" for all Volvo destinations. Volvo sends a purpose code of "05" to indicate a complete Replacement File. Note that Volvo does not send a zero requirement or any other type of cancellation when a formerly required part is no longer required.
- Dock Location - Volvo may send a Dock Location Code longer than ten characters, but only the first ten characters are supported in AutoRelease. Note that the full Dock Location Code prints on the shipper and is returned on the ASN.

Parts Cross Reference File

Volvo Parts and Service Division shipments require "US" to be transmitted as the Country of Origin. This may be entered in the country of origin field to be printed on export documents and returned in the LIN*05 segment in the 856 file.

If an Application Control record (Keyword DFLTORGN) is being used to create a default Country of Origin, and if the default value is something other than US, the Volvo ASN must be manually changed before transmission or the 856 will be rejected.

Destination Master File Setup for Odette Labels

```

SCD6300B                MAINTAIN DESTINATION MASTER FILE

Company Number ..... KB    ENGINE COOLING, INC.
Destination Number ..... 123456
Name 1 ..... VOLVO          FOB .....
Name 2 ..... 55500 BREEMONT COURT  Distributor Code ..
Address 1 ..                Ford Dest Code .....
Address 2 ..                ASN/DESADV (B/C/N/O/V/Y) V
Address 3 ..                GM Msg/Temp Msg Code ... /SE
City/State . NORTHVILLE      MI    GM Std Loc/Ford Rt Cd 2.
Zip Code ... 94538           Carrier Preference ..... 100
Country .... USA            Route Code / HMRS (Y/N).
                             Honda Destination .....
Arrival/Ship Dates (A/S) ..... 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) N
    Available Ship Days (X = Select)  Print Invoices (Y/N) ... N
    S      M X   T X   W X   H X   F X   S    Create Invoices (Y/N) .. Y
Names:                               Payment Type: Coll   PP X PPI   Oth
                                     Alt. Description...
                                     Dealer Code .....
F1=Help   F10=Delete   F12=Return    Cat Europe Ult Dest ....

```

If using Odette labels for shipping to Volvo, set up the Temporary Message Code with "SE" in the Destination Master File, as required by Volvo. This entry causes the REF segment of the ASN to concatenate "S" to the serial number or the appropriate code for the master or mixed label.

Export Options

```

EXPORT OPTIONS

EXPORT DOCUMENT OPTIONS
Export Documents (Y/N) ..... N
Country of Ultimate Dest .....
Parties to Trans. (Y/N) .....
Direct Sale (Y/N) .....
Plant Code .....
Port of Exit .....
Release Office Name/Phone# .....

EXPORT INVOICE OPTIONS
E.I.N.# .....
F.O.B. (Plant or Dest?) (P/D) ...
Bill Customs Charges to (S/C/B).
Shipper Included (Y/N) .....
Port of Entry .....
Mode of Trans   Road   Rail   Water   Air   Other
Comments

```

- Export Documents - Enter "Y" if export documents are required.
- Mode of Trans - Enter "X" next to "Water" if this is an overseas destination. This places "CN" (for ocean-going container) as the Equipment Description in the 856 File.

SCD6300C		MAINTAIN DESTINATION MASTER FILE	
Print Remarks (Y/N):	N Shipper	N Invoice	N Acknowledgement
Remark:	_____		

ASN/DESADV Transmit Windows:	Before	Hours:	Mins.:
	After	Hours:	Mins.:
3rd Party Electronic Invoice OEM			
Multi-Company Pool Bill Destination? (Y/N):			
Print Part Description on Invoices (Y/N):			
Travel Time: Set Prior to Current Date? (Y/N) ...:			
Set Holiday to Next Ship Day? (Y/N):			
Remove no-charge returnable containers from invoice? (Y/N)			
Funds Type	Funds Type Description ...		
Tax Exempt			
F1=Help	F12=Return	One P.O. Per Invoice (Y/N)	

- Tax Exempt - Taxes are required for Volvo dealers, unless the dealer is tax exempt. Enter the tax exempt number to print on the hard-copy invoice.

Model Year

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

Price File - Type of Funds

Volvo requires the Type of Funds code to be transmitted in the Electronic Invoice File. The Type of Funds field is found in the Price File.

Enter "USD" for U.S. Dollars to be transmitted in the 810 File.

Enter "CAD" for Canadian Dollars to be transmitted in the 810 File.

EDI Code File - 830 Type and Frequency

Type Codes

A - Immediate

C - Firm

D - Planning

Q - Order release authorization (authorization to order raw material)

If “Q” requirements are not to be processed, enter ‘Q’ in the Requirement Master OEM Specific Process flag. Refer to the “OEM Specific Process” section for further details.

Frequency Codes

D - Daily

EDI Code File - 866 Type and Frequency

Volvo does not send type and frequency on 866s. The system assigns type “C” and frequency “D.” A type and frequency code is needed so requirements can be accessed using manual entry. Volvo 866 no longer checks for duplicate RANs. Volvo may use the same RAN again.

Requirement Master File

Clear Flags

DO NOT mark the clear flag for the 830. Volvo sends a purpose code (05 replace) but does NOT send 0 quantities to cancel a previous requirement. Therefore, requirements are cleared by destination (this is indicated in the Machine Readable - Destination File).

DO NOT mark the clear flag for the 830. Mark the clear flag for the 866.

866 862 830 850

X _ _ _

OEM Division

Volvo requires that each container is written separately to the ASN. To meet this requirement, enter “CLD” in the OEM Division field in the Requirement Master File, as shown below. This setup ensures that one CLD segment is sent per REF LS.

For Volvo NRV ASNs without Bar Coding, enter "CLD2" in this field. This setup ensures that Volvo NRV ASNs are created to have the CLD01 Container (Load) as the pallet or Volvo Emballage, and that CLD02 is the total number of parts for the pallet. When no pallets are used and Pallet Quantity equals zero, CLD01 is the number of containers and CLD02 is the quantity per container.

JTDMAINT2		REQUIREMENT MASTER ENTRY										CHANGE			
Company KB		Customer VOLVO		Part KB8		Destination VOLVO				MY					
Customer Part # KB8						OEM Code		W							
Supplier Code 12345						OEM Division ...		CLD2							
Customer # 1025						Destination #									
123456															
Commodity Code 100						Unit of Measure		EA							
Controlling Source .						Price Code		A							
Dock Code						Trailer Capacity ...									
Container Part # ... C8						Package Quantity ...		20							
MRP		Reports				Clear									
866	862	X	830	X	850	866	862	830	X	850	866	862	830	X	850
Process P.O.s															
Planner # 0000		Balance Out Code ...				Product Code .									
Weekly Ship Code .		Final Release Code .				Analyst #									
Rack ID															
User #1 ..						User #2 ..									
User #3 ..		.000000													
Remarks ..															
F1=Help		F7=OEM Info		F8=REQB		F9=REQC		F10=Delete							
F11=File Maint		F12=Return		F19=Fab/Mtl		F20=Special Process									

OEM Specific Process

If you receive 'Q' requirements from Volvo that should not process into the Requirement Master Files, do the following:

1. From the Requirement Master Entry screen, process F20=Special Process.
2. Enter a 'Q' in the OEM Specific Process field and press Enter.

All 'Q' requirements are listed on Volvo's Raw Material Authorization Report (VLR4404W) whether they are processed into the Requirement Master Files.

Requirement B Record - Ship Release Number

The ship release number is received on the Service 830 at the detail level and is placed in the RAN field of the Requirement B record. The ship release number is an authorization number and remains with the requirement.

The 830 release number is placed in the release number field of the Requirement File and spans the current horizon dates.

Requirement C Record - Alternate Ship-To Location

When shipping to an alternate ship-to location, the ship-to ID must be entered in the "plant location" field in the Requirement C record. The ship-to ID is sent in the N1*ST segment in the ASN file. If the "plant

location" field in the Requirement C record is blank, the destination ID from the Machine Readable File is sent in the N1*ST segment in the ASN File.

CUM Required Prior - Production & Service

Volvo Production and Service, both send "total received" which is placed in the CUM required prior field for the 830. It is not necessary to enter a CUM required figure manually before going live. The "total received" that is transmitted overlays what was entered manually.

The CUM required prior is used to calculate ahead or behind figures and to round to package quantity. When entering a Volvo manual requirement or while testing, the CUM required prior may be entered using the option Enter Manual Requirements and either using F5 from the entry screen or it may be entered directly on the header screen.

Special Processing - 856 CLD Segment

To change the Volvo ASN Create method of calculating the CLD01 and CLD02 to use the container quantity instead of the package quantity, set the Ignore STD PAK flag on the Special Processing screen to "Y." Access this screen by pressing F20 (Special Process) from the Requirement Master Entry screen.

Contract File

Volvo has customer agreements (contracts) with individual suppliers to establish the number of days or weeks of requirements that are firm and to establish where planning requirements begin. This may vary from supplier to supplier. The requirements affected by these contracts are transmitted with a type code of Z.

The Contract File must be entered to identify the firm requirements and the planning requirements and to identify the type codes to be used throughout the system. The Contract File is accessed from the Additional File Maintenance Menu (RC15). The "Number of Days - Firm" will equal the total number of "freeze" days plus "firm" days as defined in the supplier's customer agreement with Volvo.

The Contract File is checked during the "Print" and the type is retrieved to replace the Z codes for processing. The type and frequency codes must also be entered in the EDI Code File so the requirements can be manually entered or so Requirement B and C records can be maintained.

Time Zone Abbreviation

Volvo accepts only standard time zone abbreviations:

- ET - Eastern Standard
- CT - Central Standard
- MT - Mountain Standard
- PT - Pacific Standard

Some OEMs require a different abbreviation during daylight savings time (April to October) than during the rest of the year when they are on standard time.

Volvo does NOT accept the daylight savings time abbreviations. If the time zone abbreviation is changed in the Control File to accommodate another OEM during the daylight savings time period, the daylight abbreviation is changed during the ASN create to the standard abbreviation for Volvo.

Major Components

A serial number is to be transmitted with major components for warranty purposes. At shipper entry, from the Parts Detail Screen, select F17 (Enter Serial IDs) and an entry window is displayed.

Add Serial IDs	
Major Component Serial ID	
More...	
F5=Continue	F12=Return

Enter the serial numbers for each component being shipped. The serial numbers are transmitted in the 856 file.

Taxes

Dealer Direct shipments may require taxes for specific parts, miscellaneous charges or for an entire invoice. The tax rate and description must be entered in the Tax Rate File. Tax codes print on the shipper. Calculated taxes print on the invoice and are returned in the 810 File. The tax can be entered in the Miscellaneous Charge/Tax File and it can be retained to print every time the selection criteria is met. Or, like a miscellaneous charge, it can be entered to be used the next time the selection criteria is met and deleted by the system when the reprint invoice prompt is answered with "N."

Taxes can be entered at shipper entry time, through invoice maintenance or through electronic invoice maintenance.

Note: Taxes are required for Volvo dealer direct, unless the dealer is tax exempt. Enter the tax exempt number in the Parts Cross Reference File to print on the hard-copy invoice.

The Parts Cross Reference File must be entered with a Destination Abbreviation to identify the tax exempt destinations.

Tax codes, rates and qualifiers must be entered in the Tax Rate File before taxes can be assigned.

There are four types of tax charge records:

- Specific part
- Detail miscellaneous charge
- Header miscellaneous charge
- Entire shipment /invoice

There are four places within AutoRelease where taxes may be viewed, added or changed:

- Miscellaneous Charge Tax file
- Shipper Entry
- Invoice Maintenance
- Electronic Invoice Maintenance

Assign Taxes Using the Miscellaneous Charge/Tax File

1. Enter tax on a specific part (Includes all selection criteria):
 - a. Enter internal part number in optional fields.
 - b. Mark "Assigned Taxes" with X.
 - c. DO NOT mark "Calculated based on" field.
 - d. DO NOT mark a charge type (beginning or end).
 - e. Press Enter to access the Charge/Tax Detail Screen.
 - f. Enter a unit of measure code (F4 will prompt Unit of Measure codes).
 - g. Enter the applicable tax code(s) (F4 will prompt tax codes).
2. Enter tax on entire invoice:
 - a. Mark with X "Assigned Taxes."
 - b. Mark a charge type (beginning or end).
 - c. Press Enter to access the Charge/Tax Detail Screen.
 - d. DO NOT enter a "Price."
 - e. Enter a Unit of Measure code (F4 will prompt Unit of Measure codes).
 - f. Enter the applicable tax code(s) (F4 will prompt tax codes).
3. Enter tax on a miscellaneous charge @ header level:
 - a. Leave detail fields blank.
 - b. DO NOT mark the "Assign Taxes."
 - c. DO NOT mark the "Calculation based on" fields.
 - d. Mark a charge type (beginning or end).
 - e. Press Enter to access the Charge/Tax Detail Screen.
 - f. Enter the miscellaneous charge information.
 - g. Enter the applicable tax code(s) (F4 will prompt tax codes).

4. Enter tax on a miscellaneous charge @ detail level:
 - a. Enter applicable optional fields.
 - b. DO NOT mark "Assign Taxes."
 - c. Mark one "Calculation based on" field.
 - d. DO NOT mark a charge type (beginning or end).
 - e. Press Enter to access the Charge/Tax Detail Screen.
 - f. Enter the miscellaneous charge information.
 - g. Enter the applicable tax code(s) (F4 will prompt tax codes).

Assign Taxes in Shipper Entry or Invoice Entry

Note: To change or delete a tax from a shipper or invoice, access via "review" mode and change or delete the tax code.

1. Enter tax on a specific part:
 - a. Access the Detail Part Screen.
 - b. Press F14 (Misc Chg/Com).
 - c. Press F8 (Enter Misc Chg).
 - d. Enter X next to "tax rate" under "Calc Chg based on."
 - e. Delete default selection ("Calc Chg based on").
 - f. Enter tax code.
 - g. Leave quantity, price and unit of measure blank.
 - h. Press Enter.
 - i. Press F12.
 - j. When Enter is pressed, the rate, description and qualifier are retrieved from the Tax File. The price, PO Number, unit of measure and general ledger account number are retrieved from the part line.
2. Enter tax on a detail miscellaneous charge:
 - a. Access the miscellaneous charge to be taxed (from the part detail screen, then select with "1").
 - b. Press F14 (Enter Tax Charge).
 - c. "X" defaults to "tax rate" under "Calc Chg based on:".
 - d. Enter tax code.
 - e. The quantity, price, unit of measure and general ledger account number are retrieved from the miscellaneous charge.
 - f. Enter general ledger account number (required field).
 - g. When Enter is pressed, the rate, description and qualifier are retrieved from the Tax File.
3. Enter tax charge for entire shipper:

- a. From the Parts Selection Screen, press F14 (F14=Com/Chrgs).
 - b. Press F8 (Enter Misc Charge).
 - c. Mark a charge type (Beginning or End).
 - d. Leave detail fields blank.
 - e. Enter X in "tax rate" under "Calc Chg based on:".
 - f. Enter tax code.
 - g. Press Enter.
 - h. The tax record is created and the entry screen is cleared to enter another record.
4. Enter tax on a header miscellaneous charge:
 - a. Access the miscellaneous charge to be taxed (from the part selection screen, then select with "1").
 - b. Press F14 (Enter Tax Charge).
 - c. "X" will default to "tax rate" under "Calc Chg based on:".
 - d. Enter tax code.
 - e. The quantity, price, unit of measure and general ledger account number are retrieved from the miscellaneous charge.
 - f. Press Enter.
 - g. The tax rate, description and qualifiers are retrieved from the tax rate file and the tax amount is calculated.

Assign Taxes in Electronic Invoice Maintenance

If a tax code was entered using the miscellaneous charge/tax file or at shipper entry time or through invoice maintenance, the tax code is displayed. The tax qualifier and tax rate were retrieved from the Tax Rate File and the amount of the tax was calculated. The tax code can be changed or deleted.

Taxes that were not assigned previously can be assigned using electronic invoice maintenance. The tax data is transmitted in the 810 File, but there is no history.

The F8 (Add Tax) function is located in 3 places to add taxes 3 different ways (to entire invoice, to a part, to a miscellaneous charge).

1. Enter tax on an entire invoice:
 - a. From the Line Item Screen, Press F8 (Add Tax)
 - b. Enter the tax code
 - c. Press Enter
 - d. The tax rate, description and qualifiers are retrieved from the Tax Rate File and the tax amount is calculated.
2. Enter tax on a part:
 - a. From the Detail Screen, Press F8 (Add Tax)
 - b. Enter the tax code
 - c. Press Enter

- d. The tax rate, description and qualifiers are retrieved from the Tax Rate File and the tax amount is calculated.
3. Enter tax on a miscellaneous charge (header or detail):
 - a. From the Miscellaneous Charge Screen, Press F8 (Add Tax)
 - b. Enter the tax code

Shipper and Invoice 866 Special Print Requirements

Volvo 866s - Multiple line items for the same part number are combined. Individual RANs and VINs are listed following the line item (both shippers and invoices).

Raw Materials

Volvo Construction Equipment group sends raw material authorization values in the FST segment with an FST02 qualifier of "Q." If these requirements should not process into the Requirement Master Files, a 'Q' must be entered in the Requirement Master File OEM Specific Process field. Refer to the "OEM Specific Process" for further details.

Destination Master File Setup for NRV (New River Valley)

Volvo (W) suppliers, particularly the New River Valley Plant (NRV) in Dublin, Virginia (04388), must have their ASN Type marked as "V" when bar code (REF*LS segment) is not required on the ASN. This field may be changed in ASN maintenance in order to correctly run the ASN create and transmit. The New River Valley Plant must have their ASN Type equal to "V" to correctly generate the CLD segment.

Destination Master File Setup for Aftermarket Destinations

If using the Odette labels for shipping to Volvo, set up the Temporary Message Code with "VMB" in the Destination Master File. This entry will have the container labels included with the mixed or master labels, and the REF segment will have a "S" concatenated to the serial number or the appropriate code for the master or mixed label. If the container labels are NOT required to be included in addition to the mixed or master labels, then Temporary Message Code "SE" can be used. This entry causes the REF segment of the ASN to concatenate "S" to the serial number or the appropriate code for the master or mixed label.

For aftermarket destinations, mark the GM Msg/Temp Msg Code field in the Destination Master File with "VMA." This entry ensures that ASNs for aftermarket shipments are created correctly.

VL0 Menu

```

      MENU: VLOW
      -----
      VOLVO
  VARIABLE LENGTH TELECOMMUNICATIONS
      -----

1. Receive Data
2. Split Network Data into OEM files
3. Breakdown Variable Data
4. Acknowledge Received Data
5. Print Requirements (830,866)
6. Process Requirements (830,866)
7. Maintain Advantis Security
8. Maintain GEISCO Security

9. Maintain Network Selection
10. GEISCO Miscellaneous Menu
11. Maintain Volvo Misc Information
12. Application Advice Menu (824)
13. P.O. History Menu (850)
14. Print Functional Ack (997)
15. Remittance Advice Menu (820)

23. Return to V/L Telecommunications Menu
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.

Print Method

Print Method: Optional

Volvo is coded to use the optional "Print" method, which affects the Breakdown, Print and Process options.

Print Requirements (830, 866)

(Option 5 on the VL0 menu)

The Raw Material Authorization Report (VLR4404W) is created during printing, and shows the Volvo Raw Material Authorizations received in the 830. All 'Q' requirements received from Volvo will be listed, whether or not they are processed into the Requirement Master Files.

Data printed but NOT processed:

- Reconciliation Date - Received in the BFR09 segment
- Previous Release Number - Received in the REF*RE segment
- Shipper Identification Number - Received in the REF*SI segment
- Release Number for Shipment - Received in the FST09 segment
- Raw Material Authorizations - Received in the FST segment (with requirement type "Q")

Process Requirements (830, 866)

(Option 6 on the VL0 menu)

Production Special Processing - Firm and Planning Requirements

Volvo may send both firm and planning requirements in the same file with the same date. Special processing takes place so the release date is ignored, and both records are processed.

The ship release number is processed into the RAN field. RAN (ship release number) is considered part of the key so all requirements are processed. The release number is removed from the RAN field during the "Extract".

Special Processing - AD (Ship Immediately) Requirements

Volvo sends requirements with a type and frequency of AD (ship immediately). Special processing takes place so 0002 is added to the AD requirement time. If multiple AD requirements are sent for the same date and time they are added together. When an AD requirement is received for the same date as a firm requirement (either received in a previous transmission or within the same transmission) both the AD requirement and the firm requirement are processed and compared with shipping history. If found in ship history, they are not processed.

Special Processing - QD (Order Release Authorization) Requirements

Volvo sends requirements with a type and frequency of QD (order release authorization). Some Volvo divisions require these requirements to be processed and others do not. If the requirements should not be processed, a 'Q' must be entered in the Requirement Master File OEM Specific Process field. Refer to the "OEM Specific Process" section for further details.

Special Processing - 866 Requirements

Volvo may transmit 866 requirements with the same key; however, with different VIN, original vendor number and/or line feed. These requirements are NOT duplicates.

Special processing is in place to process these requirements. The original vendor number and the line feed are both processed into different positions of the engineering revision field. The original vendor number is placed in the first 10 positions and line feed is placed in positions 16 through 20.

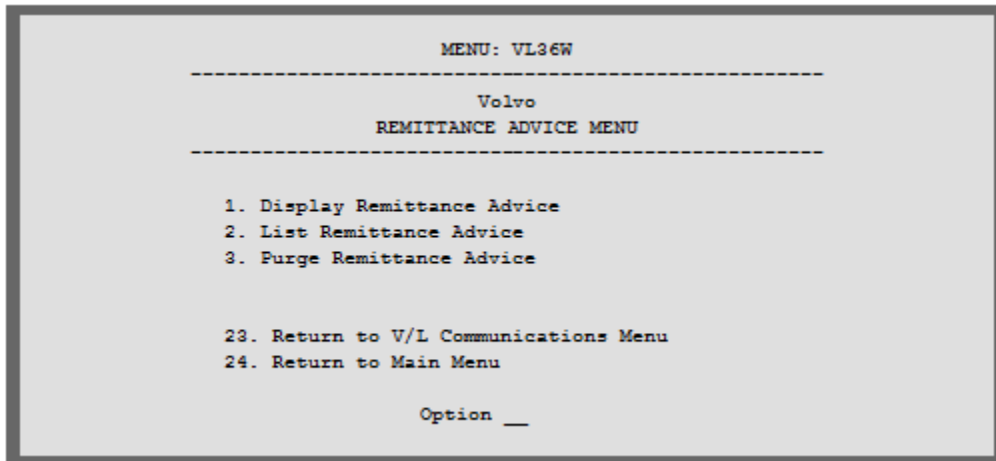
Example: Engineering Rev Lvl 0000000000_____ LLLLLL

The VIN, original vendor number and line feed associated with incoming requirements are included when compared with shipping history. If found in history, they are not processed.

Special Processing - Shift Exception - 866 Requirements

866 requirements are not Shifted. When shipped against, the requirement net quantity is reduced by the quantity shipped and the CUM required is increased by the quantity shipped. If fully shipped, the requirement is removed during the Extract.

VL36 Menu



A screenshot of a terminal window displaying the 'MENU: VL36W' screen. The screen has a light gray background with black text. At the top, it says 'MENU: VL36W' followed by a dashed line. Below the line, it says 'Volvo' and 'REMITTANCE ADVICE MENU' followed by another dashed line. There are five numbered options: 1. Display Remittance Advice, 2. List Remittance Advice, 3. Purge Remittance Advice, 23. Return to V/L Communications Menu, and 24. Return to Main Menu. At the bottom, it says 'Option __'.

```
MENU: VL36W
-----
Volvo
REMITTANCE ADVICE MENU
-----

1. Display Remittance Advice
2. List Remittance Advice
3. Purge Remittance Advice

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

Option __
```

Remittance Advice Menu Overview

The Remittance Advice menu (VL36W) is used to display, print, and purge the Remittance Advice (820) File received from Volvo. The 820 is issued when a check is issued indicating the payment amount and the invoice data supporting this payment, such as the invoice numbers, part numbers, quantities, Purchase Order Numbers, etc. When this data is no longer current, it may be purged.

There are two types of 820s:

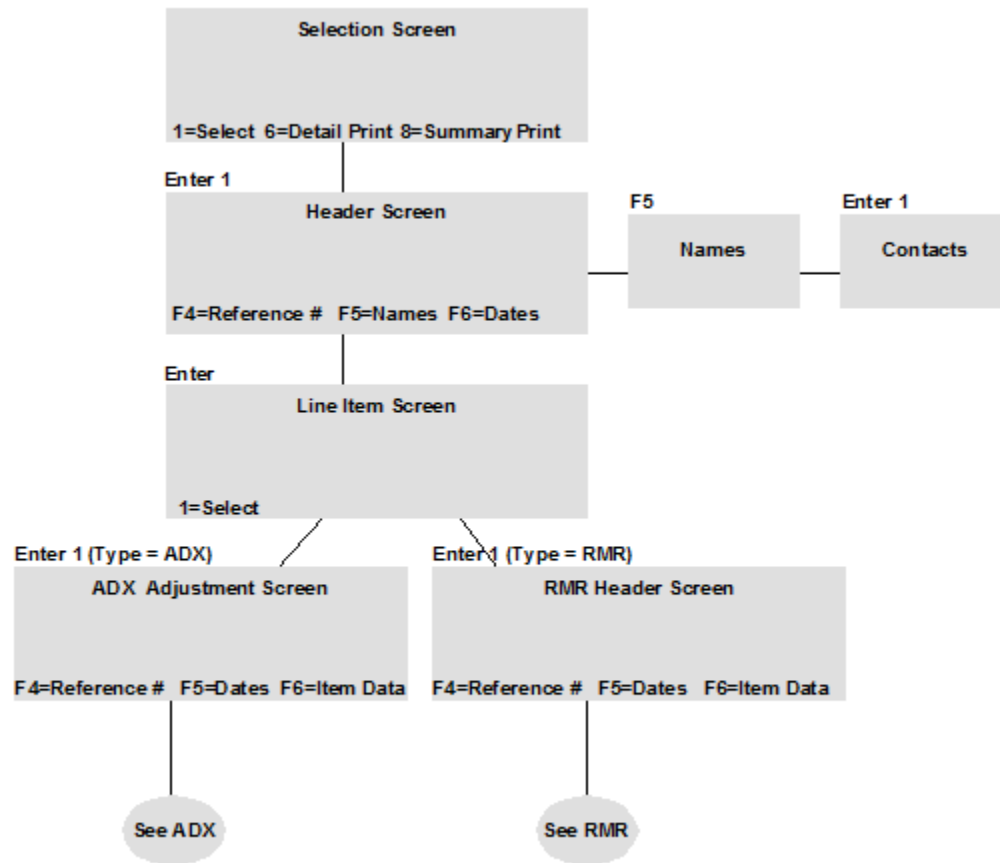
- ADX - Displays information pertaining to a credit
- RMR - Displays information pertaining to a shipper

The Transaction Sets Received Audit Report, which is printed during the "Breakdown," identifies the transaction sets received by each company.

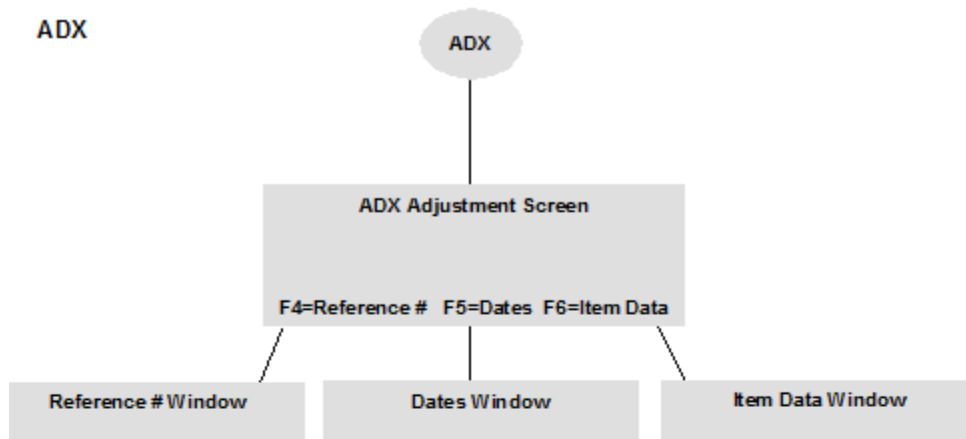
During the "Breakdown," all data received in the 820 file is placed in the Universal Remittance Files VPX820A - VPX820K.

Remittance Advice Pictorial Overview

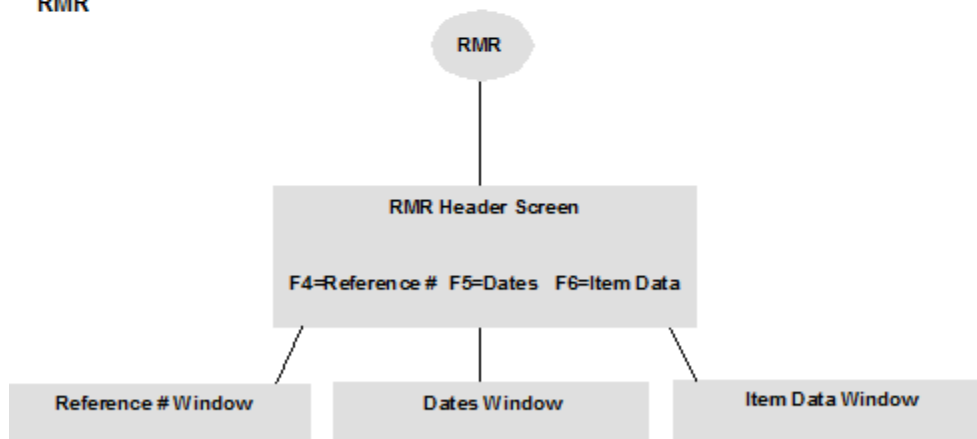
Screens, Selection Options, and Function Keys



ADX



RMR



Display Remittance Advice

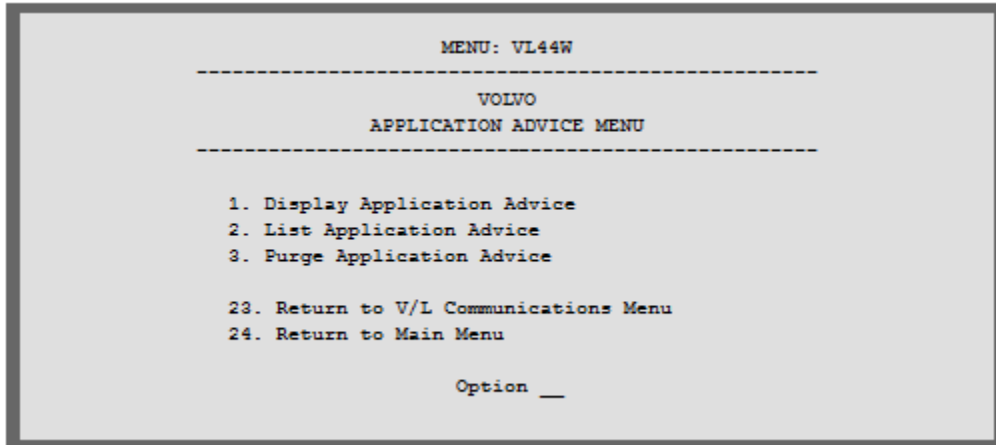
(Option 1 on the VL36 menu)

Administrative Contact Window

The code field represents the type of communication device. Some valid codes are:

- AP - Alternate Telephone
- AU - Defense Switch Network
- BN - Beeper Number
- CP - Cellular Phone
- DN - Defense Data Network
- ED - Electronic Data Interchange Access Number
- EM - Electronic Mail
- EX - Telephone Extension
- FT - Federal Telecommunications System
- FX - Facsimile
- HP - Home Phone Number
- IT - International Telephone
- MN - Modem Number
- NP - Night Telephone Number
- PS - Packing Switching
- TE - Telephone
- TL - Telex
- TM - Telemail
- TX - TWX
- WP - Work Phone Number

VL44 Menu



```
MENU: VL44W
-----
VOLVO
APPLICATION ADVICE MENU
-----

1. Display Application Advice
2. List Application Advice
3. Purge Application Advice

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

Option ____
```

Application Advice Menu (824)

(Option 12 on the VL0 menu)

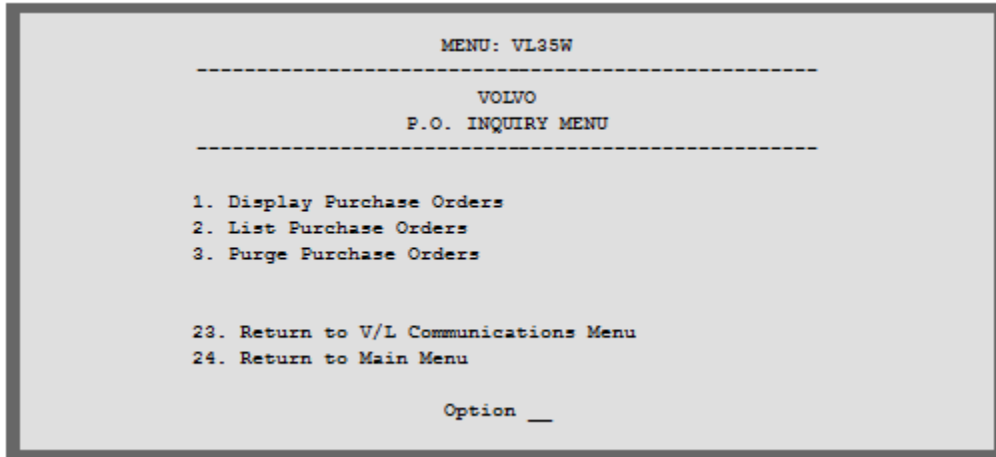
This Application Advice menu (VL44W) is used to display, print and purge the Application Advice (824) File received from Volvo. When this data is no longer current, it may be purged.

The Application Advice reports errors of content in the file received from Volvo. The Application Advice indicates that the transmission was accepted with errors or that the transmission was rejected.

The Transaction Sets Received Audit Report, which is printed during the "Breakdown," identifies the transaction sets received by each company.

During the "Breakdown", all data received in the 824 file is placed in Universal Application Advice Files: VPX824A - VPX824H.

VL35 Menu



```

      MENU: VL35W
-----
      VOLVO
    P.O. INQUIRY MENU
-----

1. Display Purchase Orders
2. List Purchase Orders
3. Purge Purchase Orders

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

      Option __

```

P.O. History Menu (850)

(Option 13 on the VL0 menu)

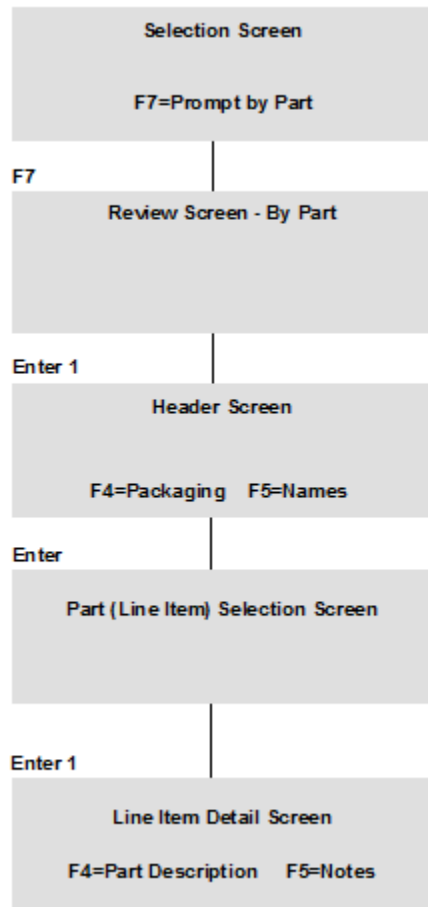
The Volvo P.O. Inquiry Menu is used to inquire into the 850 File received from Volvo. Volvo Purchase Orders (850s) are NOT processed into the Load File even if the 850 report flag is marked. Volvo uses the 850 to establish pricing only.

During the "Process", all data received in the 850 File is placed in Universal Files: VPX855A - VPX855P.

This is the same data from the 850 Edit List that is placed on hold during the "Print" from the Volvo VLOW menu. All data received can be viewed and/or listed from this menu (VL35W). When this data is no longer current, it may be purged. Purging Purchase Order records from this menu does NOT affect the Requirement or Load Files.

Purchase Order Pictorial Overview

Screens, Selection Options and Function Keys



ASNs

```

      MENU: VLSW
-----
      VOLVO
  ADVANCE SHIPPING NOTIFICATIONS
-----

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

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

      Option ___

```

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.

Note: Shipments to European locations are not supported in the 856 File.

Maintain ASNs

(Option 1 on the VL8 menu)

ASN Maintenance Screen

- Sequence Number - Assigned by the system.
- Company Number - Displays the company number that was previously entered.
- Action Cde - The action code places the corresponding two-digit code in the BSN 01 segment in the ASN File.
 - O - Original 00
 - H - Hold Record is not included in transmission
 - T - Transmitted

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

- Shp # - Shipper number assigned by the system when the shipper was created.
- Cust Abrv - User-assigned abbreviation that must be entered in the Machine Readable File to return the correct customer code in the ASN File.
- OEM - "W" for Volvo.
- Ship Date - Date of shipment in the MM-DD-YY format. 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 File.
- ASN - Defaults from the Destination File. The ASN code can be changed at shipper entry time. Volvo uses the ASN code of "V" for variable length without bar code or "C" for variable length with bar code.
- Ship Time - Time entered at shipper entry time (HHMM) in military format. If no time was entered the ship time defaults from the system time when the "Extract" option is taken.
- Cont Qty - The number of containers which is calculated by dividing the quantity shipped by the package quantity entered in the Requirement A record. It can be changed at shipper entry time.
- Net Weight - Total weight of parts, calculated by multiplying the quantity shipped times the net weight per part entered in the Parts Cross Reference File. It can be changed at shipper entry time.
- Time Zone - The time zone abbreviation defaults from the Control File for Volvo only if it is a standard (not daylight) abbreviation.
 - ET - Eastern Standard
 - CT - Central Standard

MT - Mountain Standard
PT - Pacific Standard

- Some OEMs require a different abbreviation during daylight savings time (April to October) than during the rest of the year when they are on standard time.
- Volvo does NOT accept the daylight savings time abbreviations. If the time zone abbreviation is changed in the Control File to accommodate another OEM during the daylight savings time period, the daylight abbreviation is changed during the "ASN create" to the standard abbreviation for Volvo.
- Cont Desc - The Container Description must be a valid AIAG standard description consisting of 3 alpha characters followed by 2 numeric characters. This defaults from the Container File. The container code can be changed at shipper entry time.
- Tare - The weight of the container(s) which is calculated based on the container and pallet weights entered in the Container File. The tare weight can be changed at shipper entry time.
- Cum Ship - The total number of parts shipped this model year.
- Equip Desc - The Equipment Description further describes the Conveyance Code. It defaults from the Carrier File. Valid codes: TL (domestic) or CN (export in ocean-going container). CN is required for an ocean-going container. If CN is entered, the conveyance bill number must be the number of the ocean-going vessel container.
- Carrier - Carrier Abbreviation (SCAC code) which defaults from the Carrier Abbreviation field in the Carrier File.
- Qty Shp - Number of pieces shipped which is transmitted in the SN1 segment in the ASN File.
- Conv Bill # - Defaults from the Conveyance Number field at shipper entry time if a trailer number, air freight number or ocean-going container number was entered. If an ocean-going container number is entered, the Equipment Description must be "CN." If there was no entry at that time, the shipper number defaults.
- Conv. Code - AIAG standard code which describes the method of conveyance. Defaults from the Carrier File. It can be changed at shipper entry time.
- Unit of Mea - Defaults from ASN Unit of Measure field in the Destination File. It can be changed at shipper entry time.
- Dock Code - Code representing the dock at the destination location if a dock 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.
- Volvo may send a Dock Location Code longer than ten characters, but only the first ten characters are supported in AutoRelease. Note that the full Dock Location Code prints on the shipper and is returned on the ASN.
- Pkg. Qty - Defaults from the Requirement A record. The number of parts in a container. This is used to calculate the number of containers. Can be changed at shipper entry time.

- Plant ID - Supplier code assigned by Volvo. This is entered in the supplier code field in the Requirement Master and the Plant ID field in the Identification Code File.
- Release # - The current release number received from Volvo. The current release number is placed in the RAN field in the Requirement B record.
- Corp ID - Defaults from the Identification Code File. The supplier code entered in the Requirement Master finds a match in the Plant ID field in the Identification Code File and retrieves the Corporate ID entered there.
- Release Date - The date of the current release received from Volvo. The release date is placed in the release number field in the Requirement B record.
- Plant Location - The ship-to ID from the plant location field in the Requirement C record. If the plant location field was left blank the destination ID defaults from the Machine Readable File. Transmitted in the N1*ST segment.
- P.O. # - Purchase Order Number issued by Volvo. Defaults from the Requirement B record.
- Pro Number - The PRO Number is supplied by the freight carrier and may be entered here or on the Update ASN Info Screen when the "Create/Transmit" option is taken.
- In-House Prt# - Internal part number entered in the Parts Cross Reference File.
- Ultimate Cons - The ultimate consignee is the final delivery point (the plant that uses the material). It is received in the REF*LU segment of the 830 File and it is processed into the Intermediate Consignee field in the Requirement C record where it can be viewed or changed. It is displayed on the final screen in shipper entry and can be changed. It is returned in the REF*ZB segment in the ASN.
- Cust Prt # - Volvo's part number.
- Use Point - Passed in by Volvo's LIN*ZZ. Stored in LINFED.
- Container # - Number of the returnable container. Defaults from the Requirement A record if returnable container field is marked "Y."
- Cntry of Orig - The two-digit Country of Origin code.
- Return Cont # - Defaults from the Container File. It can be changed at shipper time. This places the appropriate element in the LIN segment to indicate this part was shipped in a returnable container.
- Assembly # - The "use point" or "location point" where the assembly is put into production on the line.
- Build Date - Defaults from the requirement date from the 866 for major component suppliers. Not transmitted on the ASN.
- OEM Division - Volvo requires that each container is written separately to the ASN. To meet this requirement, enter "CLD" in the OEM Division field in the Requirements Master File. This setup ensures that one CLD segment is sent per REF LS.

For Volvo NRV ASNs without Bar Coding, enter “CLD2” in this field. This setup ensures that Volvo NRV ASNs are created to have the CLD01 Container (Load) as the pallet or Volvo Emballage, and that CLD02 is the total number of parts for the pallet. When no pallets are used and Pallet Quantity equals zero, CLD01 is the number of containers and CLD02 is the quantity per container.

Maintain Bar Code Data

(Option 4 on the VL8 menu)

Bar Code Maintenance Screen

Press Enter from the Bar Code Selection Screen to display the remaining fields.

BAR CODE MAINTENANCE

Company Number..... XX
 Identification Number... _____
 Sequence Number..... _____

Label Serial Number.... _____	Associated Master/Mixed Serial _____
Label Type	_____
Package Quantity.....	_____
Customer Part Number...	_____
RAN Number.....	_____
Returnable Container ..	_____
Purchase Order Number..	_____
IPP Tag Number 1.....	IPP Reason Code 1... _____
IPP Tag Number 2.....	IPP Reason Code 2... _____
OEM (NC/TM) /Label Type _ _	(C=Container M=Master X=Mixed)
User Defined Field	_____
User Defined Field	_____
User Defined Field	_____
User Defined Field	_____

F10=Delete F12=Return

- Label Serial Number - Serial number from the bar code label.
- Associated Master/Mixed Serial - The master/mixed serial number associated with this label is retrieved from the SCPBCODE file. This field must be entered whether the label is a master/mixed or single. If this is a master/mixed label this field will match the label serial number field.

Label Type:

M or 4S - Master label

S - Single label

G or 5S - Mixed label

- Package Quantity - The total quantity per label type. If the label type is "M" or "4S" this is the total number of pieces for this master label. If the label type is "S," enter the number of pieces for a single container.
- Customer Part Number - Volvo's part number.
- RAN Number - Enter the RAN (Receipt Authorization Number). Optional.
- Returnable Container - Serial number from the bar code label for the returnable container.
- Purchase Order Number - Not used by Volvo.
- IPP Tag Number 1 - Not used by Volvo.
- IPP Reason Code 1 - Not used by Volvo.
- IPP Tag Number 2 - Not used by Volvo.
- IPP Reason Code 2 - Not used by Volvo.
- OEM (NC/TM)/Label Type - Not used by Volvo.
- User Defined Field - Data entered in this field is user-defined and is carried through to the VARUPBAR and SCPBCODE files.
- User Defined Field - Data entered in this field is user-defined and is carried through to the VARUPBAR and SCPBCODE files.
- User Defined Field - Data entered in this field is user-defined and is carried through to the VARUPBAR and SCPBCODE files.
- User Defined Field - Data entered in this field is user-defined and is carried through to the VARUPBAR and SCPBCODE files.

Maintain Printed Bar Code Labels

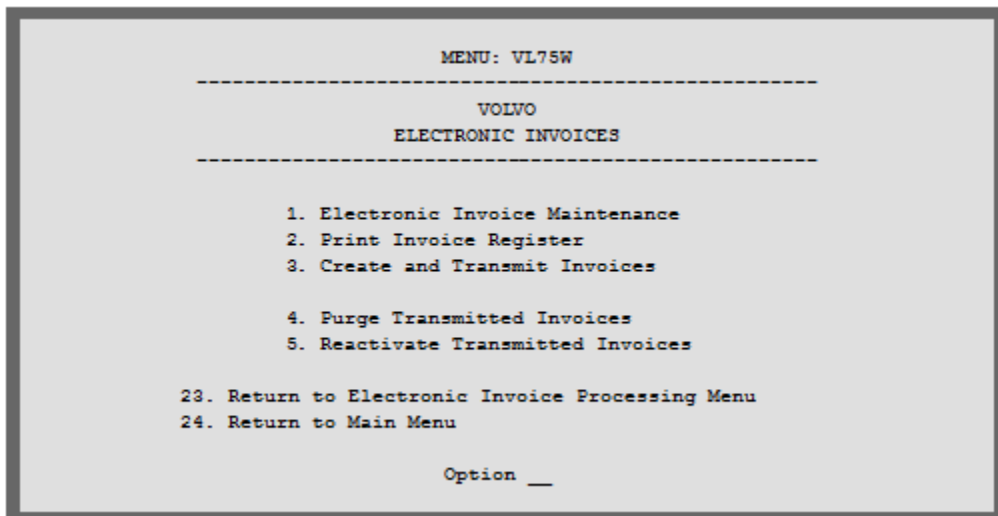
(Option 5 on the VL8 menu)

This option is used only if labels are printed using the Smart Label System to add, change or delete printed bar code labels from the file VARUPBAR that was uploaded from the Smart Label System.

Bar Code Maintenance

- Press Enter from the bar code selection screen to maintain printed bar code labels.
- Supplier Number - Identification code assigned by Volvo.
- Package Quantity - Quantity shipped/scanned.
- Customer Part Number - Volvo's part number.
- RAN Number - Receipt Authorization Number.
- Purchase Order Number - Not used by Volvo.
- Model Year - Not used by Volvo.
- Date Printed - The date, in MM-DD-YY format, the bar code labels were printed.
- User Defined Field - Data entered in this field is user-defined and is carried through to the VARUPBAR and SCPBCODE files.
- User Defined Field - Data entered in this field is user-defined and is carried through to the VARUPBAR and SCPBCODE files.
- User Defined Field - Data entered in this field is user-defined and is carried through to the VARUPBAR and SCPBCODE files.
- User Defined Field - Data entered in this field is user-defined and is carried through to the VARUPBAR and SCPBCODE files.
- OEM (NC/TM)/Label Type - Not used by Volvo.
- Transmitted (Y/N) - "Y" defaults if the label has been uploaded from the Smart Label system. The transmitted field and the note that follows displays only when displaying an existing record, not when adding a record.

VL75 Menu



```
MENU: VL75W
-----
VOLVO
ELECTRONIC INVOICES
-----

1. Electronic Invoice Maintenance
2. Print Invoice Register
3. Create and Transmit Invoices

4. Purge Transmitted Invoices
5. Reactivate Transmitted Invoices

23. Return to Electronic Invoice Processing Menu
24. Return to Main Menu

Option ____
```

Overview

Traditionally coded trading partners use a VL75xx menu (where xx is the OEM code) to transmit electronic invoices 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.

Volvo (W) requires the ship-from and ship-to N3 and N4 segments on the EDI Invoice (810). In order to accommodate this, the following changes have been made:

Ship-From Name/Address: If the address in the Company Control File is not the address required for the Ship-From (SF) on the 810, the supplier must enter the complete ship from name and address in the Name File. The OEM code (W) must be entered along with a qualifier of (SF). Enter the Name File Number in the Destination Master Name field.

During Invoice Create, the Name File will be checked first. If a record exists and the Name, Address 1, City or Country is blank, a terminal error will appear on the Invoice Verification Report and if the State or Zip Code is blank, a warning error will appear.

If there is no record in the Name File, the Company Control File will be checked for blanks, generating the same errors.

Ship-To Name/Address:

If the address in the Destination Master is not the address required for the Ship-To (ST) on the 810, the supplier must enter the complete ship to name and address in the Name File. The OEM code (W) must be entered along with a qualifier of (ST). Enter the Name File Number in the Destination Master Name field.

During the invoice create, the Name File will be checked first. If a record exists and the Name, Address 1, City or Country is blank, a terminal error will appear on the Invoice Verification Report and if the

State or Zip Code is blank, a warning error will appear. If there is no record in the Name File, the destination data in the Electronic Invoice Header File (VLPINVA) will be checked for blanks, generating the same errors.

If there aren't any records in the Name File or the destination name in the Electronic Invoice Header File is blank, the Destination Master will be checked for blanks, generating the same errors.

Maintain Invoices

(Option 1 on the VL75 menu)

Invoice Header Screen

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VOLVO ELECTRONIC INVOICE MAINTENANCE

Company Number.. XX          Invoice Number..... 3
                              Credit memo? (Y/N).... N

                              HEADER INFORMATION          UPDATE

Action Code..... _         Ship Date..... _____
Invoice Date..... _____ Customer #..... _____
Shipper Number... _____ Destination #.... _____
Customer Abbv.... _____ Plant ID..... _____
Dest. Abbv..... _____ Corporate ID.... _____
Sender Duns..... _____ Plant Location... _____

F12=Return

```

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.

- Action Code - The action codes are:
O or blank - Original
H - Hold
T - Transmit
- Ship Date - The date the shipment was made in MM-DD-YY format.
- Invoice Date - Defaults to the system date in MM-DD-YY format when adding an invoice.
- Customer # - User-defined customer number which is also entered in the Customer File.
- Shipper Number - Shipper number associated with this invoice.
- Destination # - User-defined destination number which is also entered in the Destination File.
- Customer Abbv - User-defined Customer Abbreviation which is also entered in the Requirement Master and the Machine Readable Files.
- Plant ID - Supplier code assigned by Volvo. This is entered in the supplier code field in the Requirement A record and in the Plant ID field in the Identification Code File.

- Dest. Abbv - User-defined Destination Abbreviation which is also entered in the Requirement Master and the Machine Readable Files.
- Corporate ID - Assigned by Volvo. Entered in the Identification Code File.
- Sender Duns - Defaults from the remit to field in the Identification Code File. Represents the N1*SF segment.
- Plant Location - The ship-to ID received from Volvo is placed in the plant location field for the Requirement C record. If the plant location field in the Requirement C record is left blank, the destination ID from the Machine Readable Destination File is transmitted in the N1*ST in the ASN File.

Invoice Line Item Selection Screen

Press Enter from the header screen to display the line item screen. This screen lists all line items for this invoice. A line item can be selected to be viewed or maintained or can be deleted.

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ELECTRONIC INVOICE MAINTENANCE
Detail Selection Screen

Company Number: XX
Invoice Number: 888

Options:  1=Select    4=Delete

Opt Type Part Number      Price      Line #      Seq #      Ref Seq #
- MISC                    50.000000      1          1          1
- ITEM PARTA              20.000000      1          1          1
- TAX                     120.000000     1          1          1
- ITEM PARTA              30.000000     2          1          1

F6=Add Part  F7=Add Misc Chrg  F8=Add Tax  F12=Return

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- 1 Select - Enter "1" next to the record to display or maintain.
- 4 Delete - Enter "4" next to the record to delete the selected record. A confirmation window is displayed. Enter to delete or press F12 to return without deleting.
- F6 - Add Part - Displays a blank line item record to add a part to this invoice.
- F7 - Add Misc Chrg - Displays the Miscellaneous Charge Screen to add a charge pertaining to the entire invoice. (A miscellaneous charge may be attached to a specific line item from the detail screen).
- F8 - Add Tax - Displays the Tax Information screen to add a tax pertaining to the entire invoice. (A tax may be attached to a specific line item from the detail screen. Or, a tax may be attached to a miscellaneous charge from the miscellaneous charge screen).

Invoice Detail Screen

Press Enter from the Header Screen when manually adding an invoice, or use F6 (Add Part) to display a blank line-item record to add a part.

VOLVO ELECTRONIC INVOICE MAINTENANCE	
Company Number... XX	Invoice Number..... 3
	Credit memo? (Y/N)..... N
HEADER INFORMATION	
Action Code.....	Ship Date..... 3/16/xx
Invoice Date..... 0/00/00	Customer #.....
Shipper Number... 3	Destination #.... 1
Customer Abbv.... VOLVO	Plant ID..... 413413
Dest. Abbv..... VOLVO1	Corporate ID.....
Sender Duns..... 123456789	Plant Location...
LINE ITEM INFORMATION	
Our Part#... _____	Qty Ship.... _____
Cust Part#.. _____	Unit Price.. _____ 6 dec
PO #..... _____	Unit of Mea. _____
VIN Number. _____	Funds Type . _____
Terms Due Date . 0/00/00	Basis of Unit Price PE
F7=Add Misc Charge F8=Add Tax F10=Delete F12=Return	

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.

- Our Part # - In-house part number.
- Qty Ship - Number of parts being invoiced.
- Cust Part # - Volvo's part number entered in the Parts Cross Reference File.
- Unit Price - Price of a single part, entered to four (4) decimal positions. DO NOT enter the decimal point.
- PO # - Purchase Order Number for this shipment.
- Unit of Mea - Unit of Measure Abbreviation retrieved from the Unit of Measure Cross Reference File, when the reprint invoice prompt is answered with N. The Unit of Measure can be changed. A warning message is displayed if the Unit of Measure entered here does not match the Unit of Measure entered in the Unit of Measure Cross Reference File.
- VIN Number - Vehicle Identification Number.
- Funds Type - Defaults from the funds type field in the Price File.
- Terms Due Date - This is the due date according to the customer agreement. If a "number of days" was entered in the Contract File, the terms due date is calculated from the ship date. If a specific "terms due date" was entered in the Contract File, it is retrieved and displayed.
- Basis of Unit Price - The basis of unit price is related to how the quantity sold affected the price when volume discounts apply. The price per thousand may be less than the price per hundred which may be less than the price per individual unit. This figure is calculated based on the conversion factor when calculating the price.

- Valid codes are:
 TP - Price per 1000 Conversion factor = .00100
 HP - Price per 100 Conversion factor = .01000
 PE - Unit Price Conversion factor = anything else
- F7 - Add Misc Chrg - Displays the Miscellaneous Charge Screen to add a charge pertaining to a specific line item. (A miscellaneous charge may be attached to the entire invoice from the Line Item Screen).
- F8 - Add Tax - Displays the tax information fields to view, add or change a tax on a part. If a tax code was entered using the Miscellaneous Charge/Tax File or at shipper entry time or through invoice maintenance, the tax code is displayed. The tax qualifier and tax rate were retrieved from the Tax Rate File and the amount of the tax was calculated. A tax code can be entered or changed. When Enter is pressed, the tax qualifier and tax rate for the code entered are retrieved from the Tax Rate File and the amount of the tax is recalculated.

Add Miscellaneous Charge - F7

From the line item selection screen applies the miscellaneous charge to the entire invoice.

Or

From the detail selection screen applies the miscellaneous charge to a line item.

Miscellaneous Charge Screen

VLD751VD1		VOLVO ELECTRONIC INVOICE MAINTENANCE	
Company Number.. KB		Invoice Number..... 112295	
HEADER INFORMATION		ADD	
Action Code.....	Ship Date..... 10/11/XX		
Invoice Date..... 10/11/XX	Customer #.....		
Shipper Number... 112295	Destination #....		
Customer Abbrev..	Plant ID..... 12345		
Dest. Abbrev.....	Corporate ID.... 111		
Sender DUNS..... 111	Plant Location...		
VLD751VD2		MISC CHARGE INFORMATION	
		CHARGE ON PART	
Charge Method...	Unit of Measure.		
Spec Serv Cd.....	Quantity..... 0		
Amount(6 dec).... 150.000000	Description.....		
F12=Return			

- Charge Method - If a miscellaneous charge was entered at shipper entry time, the charge method was entered in the first 2 positions of the description field. These first 2 positions will default to this field.

- Valid EDI Miscellaneous Charge codes are:
04 - Credit Customer Account
06 - Charge to be paid by Customer
- Unit of Measure - A valid Unit of Measure Abbreviation as entered in the Unit of Measure File.
- Spec Serv Cd - Enter a valid code. The code and associated description is transmitted in the SAC segment.
A320 Air Transportation (Aftermarket Only)
C830 Expanded Services
D240 Freight
D900 Installation
E820 Non-Returnable Containers
E890 Ocean Freight (Aftermarket Only)
G510 Returnable Container
G530 Rework
G760 Set-up
H090 Special Handling
H110 Special Packaging
I110 Tooling
- Quantity - The quantity entered is multiplied by the "amount" to obtain the extended charge.
- Amount (6 dec) - Amount of the miscellaneous charge entered to six (6) decimal places.
- Description - The appropriate description is displayed based on the special service code.
- F8 - Add Tax - Displays the tax information fields to view, add or change a tax on a miscellaneous charge. If a tax code was entered using the Miscellaneous Charge/Tax File or at shipper entry time or through invoice maintenance, the tax code is displayed. The tax qualifier and tax rate were retrieved from the Tax Rate File and the amount of the tax was calculated.

A tax code can be entered or changed. When Enter is pressed, the tax qualifier and tax rate for the code entered are retrieved from the Tax Rate File and the amount of the tax is recalculated.

Add Tax - F8

From the line item selection screen applies the tax to the total invoice.

Or

From the detail selection screen applies the tax to a line item (part).

Or

From the miscellaneous charge screen applies the tax to a miscellaneous charge.

Tax Information Screen

VOLVO ELECTRONIC INVOICE MAINTENANCE			
Company Number.. XX		Invoice Number..... 3	
		Credit memo? (Y/N)..... N	
HEADER INFORMATION		UPDATE	
Action Code.....		Ship Date.....	3/16/xx
Invoice Date.....	0/00/00	Customer #.....	
Shipper Number...	3	Destination #....	1
Customer Abbv....	VOLVO	Plant ID.....	413413
Dest. Abbv.....	VOLVO1	Corporate ID....	
Sender Duns.....	123456789	Plant Location...	
TAX INFORMATION			
		TAX ON TOTAL INVOICE	
Tax Code. . . .	_____		
Tax Qualifier .			
Tax Rate.00000 (QTY * UPRICE * RATE) = TAX AMT:	.00	
F12=Return			

* If the Tax information was accessed from:

- The Line Item screen: "Tax on Total Invoice" is displayed
- The Detail screen: "Tax on Part" is displayed
- The Misc Charge screen: "Tax on Misc Charge" is displayed
- Tax Code - If a tax code was entered using the Miscellaneous Charge/Tax File or at shipper entry time or through invoice maintenance, the tax code is displayed. The tax qualifier and tax rate were retrieved from the Tax Rate File and the amount of the tax was calculated.
- A tax code can be entered or changed on this screen. When Enter is pressed, the tax qualifier and tax rate for the code entered are retrieved from the Tax Rate File and the amount of the tax is recalculated.

File Setup

Destination Master File

In the Destination Master File, set the Print Invoices and Create Invoices flags to “Y” as shown below.

SCD6300B		MAINTAIN DESTINATION MASTER FILE	
Company Number	01	TEST COMPANY	
Destination Number	456		
Name 1		FOB	
Name 2		Distributor Code ..	
Address 1 ..		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)	S	Supplier Type (P/S)	
Delivery Travel Time (Hrs/Min)		ASN Unit of Measure	
Delivery Travel Time (Days) ..		JIT Location (Y/N)	
		Bar Code Verif (Y/N/C) ..	
Available Ship Days (X = Select)		Print Invoices (Y/N) ...	Y
S M T W H F S		Create Invoices (Y/N) ..	Y
		Payment Type: Coll PP PPI	
		Dealer Code	
		Cat Europe Ult Dest	
F1=Help F10=Delete F12=Return			

Machine Readable File

In the Destination Abbreviation Record of the Machine Readable File, set the Electronic Invoices flag to “Y” as shown below.

DESTINATION ABBREVIATION RECORD	
Company Number	01
OEM Code	EA
Identification Number	
Dock Location	
Destination Abbreviation	
Destination Description	
P O Destination	
ERS Destination	(Y/N)
OEM Consideration	(Y/N)
Electronic Invoices	Y (Y/N)
Line Set	(Y/N)
Clear By Destination	(Y/N)
Type of FBO	(M/S)
Chrysler PAB/Non-PAB Combine.	(Y/N)
Send Prev CUM on ASN/DESADV .	(Y/N)
Exclude from APNAT calc	(Y/N)
Place on Credit Hold	(Y/N)
Ship Direct	(Y/N)

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 Advanced Communication Module (ACM).

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.
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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.