Infor American Axle (AJ)

AutoMap

Contents

Table of Changes

Changed By	Date	Reason	Update#	Section Changed

General Information

Messages and Versions

The American Axle module uses the following EDIFACT messages.

EDIFACT Message	Document Name	X12 Equivalent	Version
DELFOR	Delivery Forecast	830	D97A
DELJIT	Delivery Just-in-time	862	D97A
DESADV	Despatch Advice	856	D97A
CONTRL	Control	997	
CONTRL (Inbound)	Control	997	
RECADV	Receiving Advice	861	D97A
APERAK	Application Error and Acknowledgement	824	D97A

All American Axle EDIFACT messages are received and sent in the EDIFACT format. However, EDIFACT messages are processed as X12 transaction sets within AutoRelease. They are identified on inquiries and reports as the equivalent transaction set number.

Data Field Restrictions

Data fields may NOT contain any of the following characters:

- : (colon)
- + (plus sign)
- ' (apostrophe)
- ? (question mark)

These characters are used as EDIFACT element separators, sub-element separators and segment terminators.

Security

Communication Method

American Axle 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 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 option to "Split" a file received from American Axle and when transmitting ASNs. The Identification Code File is used differently by different manufacturers.

```
Company Number              - xx
OEM Code                    - AJ
Plant ID                    - Your DUNS Number

OEM ID                      - XLP (Production)*
Corporate ID                - Mutually defined
Remit to Duns Number        - Not used by American Axle
VAT Code                    - Tax ID
Transmission Mode           - P
Smart Labels                - N
Pallet Staging              - N
Bar Code File Transfer      - N
Variable Unwrap Print       - Y or N
Automatic print of 997      - N
AutoMap - Y
```

* To receive an 830 test file, change the OEM ID to XLT.

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

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

Ship-to Locations
- Buffalo Gear and Axle 808844575
- Three Rivers 808844583
- Tonawanda Forge 808844591
- Detroit Gear and Axle 808844567
- Detroit Forge 825405624
- Mexico Plant GGA 812481521

Master File Entry for American Axle

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

Model Year

American Axle sends Model Year. Therefore, the Requirement and Price Files must be entered with a model year. Because American Axle transmits the model year on the DELFOR but the supplier is to ship from the DELJIT and the model year is required to be returned in the DESADV file; an OEM Miscellaneous record must be created to indicate the model year. Enter the model year exactly as it is transmitted by American Axle (one-position). The model year is retrieved and placed in the DELJIT record to be available for the DESADV.

Requirement File - Clear Flags

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

CUM Required Prior

For DELFOR messages, American Axle sends CUM Required Prior so it is not necessary to enter it manually before going live. For DELJIT messages, American Axle does not send CUM Required Prior so it must be entered manually before going live. The first time a requirement is received, the CUM Required Prior figure sent by American Axle overlays what was entered manually.

The CUM Required Prior is used to calculate ahead and behind figures and to round up to package quantity. When entering an American Axle manual requirement or while testing, the CUM Required Prior may be entered using the option Enter Manual Requirements and pressing F5 from the entry screen or entering it directly on the header screen.

EDI Code File

Frequency Codes
- W Weekly

Requirement Types

American Axle transmits a numeric code that AutoRelease converts to an alpha type code. The numeric code "1" is converted to "C" for firm. The numeric code "4" is converted to "D" for planning.

DELJIT Requirements

When manually processing in DELJIT requirements from the Requirement Display menu, use the F9 key instead of option 9. Note also that Auto Print and Auto Process are only functional during the Split of an AutoReceive.

Application Advices (824s)

The Application Advice menu is used to display, list, and purge the Application Advice (824) File. The Application Advice File reports errors of content in the file received from American Axle, and indicates if a transmission was accepted with errors or rejected. The Split Status report, which is printed during the Split, identifies the transaction sets received by each company. During the Breakdown, all data received in the 824 file are placed in the universal Application Advice files VPX824A - VPX824H. When Application Advice data are no longer current, they may be purged. Access the Application Advice Menu through option 12, Application Advices, on the AutoMap main menu.

Receiving Advices (861s)

The Receiving Advice (861) report notifies suppliers when ASN data are different from the data recorded and accepted by American Axle when the shipment is received. When 861 data are received, they are indicated on the Split Status Report which is printed when the Split is taken. Discrepancies reported on the 861 are not processed into the Requirement or Load Files. Adjustments must be made manually (when necessary) from the Manual Requirement/Shipping Adjustments Menu. When 861 data are no longer current, they may be purged. Access Receiving Advice information from option 13, Receiving Advices, on the AutoMap main menu.

DESADV

A new keyword (GETFACTURA) is being added for customers who have purchased the FACTURA module. If the AutoMap keyword GETFACTURA is active and the Factura Number is entered during the last screen of shipper create or the Factura Number is maintained in AutoMap ASN maintenance it will appear in the RFF*IV segment of the ASN for American Axle (AJ). If the Factura number is not entered the RFF*IV will contain the invoice number.

DESADV Cancellation Procedure

Call American Axle to cancel the DESADV.

Bar Code

Note that bar code serial numbers are required on the DESADV.

Mandatory Fields

ASN Header Maintenance Screen

ASN Purpose   -   Transmitted in the BGM 03.
                                            O - Original 09
                                            D - Cancellation 01
                                            R - Replace 05

Equipment Description   -   Transmitted in the EQD 01. Valid codes include:
                                            CN - Container

RR - Railcar
TE - Trailer

Ship Date	-	Transmitted in the DTM.
Arrival Date	-	Transmitted in the DTM.
Ship Time	-	Transmitted in the DTM.
Arrival Time	-	Transmitted in the DTM.
Pickup Carrier	-	Transmitted in the TDT.
Delivery Carrier	-	Transmitted in the TDT.
Conveyance Code	-	Transmitted in the TDT 03.

ID Numbers Screen

Supplier ID	-	Transmitted in the NAD segment.

Reference Numbers Screen

Reference	-	Transmitted in the NAD segment.

Note: The NAD qualifier is retrieved from the DELFOR and DELJIT files and processed into the "Chrysler ship-from" field in the requirement master (F7 = OEM info screen). The NAD qualifier is transmitted in the "reference number" field in the DESADV file.

PRO Number	-	Transmitted in the RFF segment.
Conveyance Bill	-	Transmitted in the EQD 02.
Equipment Description Code	-	Transmitted in the EQD.

ASN Detail Maintenance Screen

Cust Part #	-	Transmitted in the LIN segment.
Ship Qty	-	Transmitted in the MEA and QTY segments.
Ship Net	-	Transmitted in the MEA segment.
Ship Gross	-	Transmitted in the MEA segment.
CUM Shipped	-	Transmitted in the QTY segment.

ASN Container Review Screen

Container Part Number   -   Transmitted in the PAC 03.

Container Qty   -   Transmitted in the PAC 01.

How to Use This Document

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

General Information

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

Security

The security section of the document explains the Advanced Communication Module (ACM).

Implementation

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

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

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

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

- • Machine Readable - customer and destination
- • Parts Cross Reference
- • Requirement Master

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

ASNs

All AutoMap trading partners transmit ASNs to the trading partner by using option 3 (ASNs) from the AutoMap menu. The ASN section of each trading partner document describes the ASN cancellation procedure and mandatory ASN fields for a specific trading partner. A complete description of the common options can be found in the ASN section of the AutoMap manual.

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. The invoice flags are found in the Destination Master File.

AutoMap Features and Preferences

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

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

Keywords activate special processing to accommodate Trading Partner's practices. To view keywords:

1. Access the AutoMap Menu.

2. Take the Process Keywords options.

3. Select the trading partner with 7 (keyword options).

4. Keywords are displayed for the selected trading partner.

5. Select the keyword to be changed with 1 (select).

The error maintenance screen displays. The fields that can be changed include:

Error Type   -   The error type may be W (warning) or T (terminal).

T (terminal) - When the create and transmit ASNs option is taken the ASN records are checked for missing fields that may cause the ASNs to be rejected. If terminal errors are found, (errors that will cause the ASN to be rejected according to OEM specifications) the program ends, the ASN Verification Report prints and a break message is displayed. Terminal errors must be corrected before taking the create and transmit option again.

W (warning) - When the create and transmit ASNs option is taken the ASN data is verified. If only warning errors are found, the ASN Verification Report prints and a break message is displayed that gives the user the option to continue with errors or to cancel. Error Message - The message that is displayed when this error is encountered may be changed.

Active   -   The keyword may be active (Y) or inactive (N).