



# Infor Autoliv ASP (AT)

## AutoMap

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## Table of Changes

Changed By	Date	Reason	Update#	Section Changed
K. Radtke	6/1/18	Remove past due requirements	A116040503	Application Control File
K. Radtke	8/4/15	Added 997	A101110816	Transaction Sets/Versions

# General Information

## Transaction Sets and Versions

The Autoliv ASP module supports the following transaction sets:

- 820 Remittance Advice Version 4010
- 830 Material Release Version 4010
- 856 ASN Version 4010
- 862 Shipping Schedule Version 4010
- 864 Text Message Version 3010
- 997 Functional Acknowledgement Version 3010

**The 820 (Remittance Advice)** is payment or funds information including details in the file received from Autoliv ASP.

**The 830 (Material Release)** is used for planning.

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

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

**The 864 (Text Message)** is text transmitted to the supplier from Autoliv ASP.

**The 997 (Functional Acknowledgement)** is required to be transmitted to acknowledge the received 830s and 862s, within the time frame defined by Autoliv ASP. Autoliv ASP sends a 997 to acknowledge the 856 from the supplier.

## Miscellaneous Information

Autoliv ASP may send a 12-position release number; however, the AutoRelease field is 10 positions long. The first 2 positions of the release number are 00. Therefore, the first 2 positions are dropped and positions 3–12 of the release number are processed into the release number field.

## Security

### Communication Method

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

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

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

# Implementation

## Identification Code File

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

### Initial Record (Plant ID = Supplier)

Company Number	- xx
OEM Code	- AT
Plant ID	- Mutually-defined plant ID code*
OEM ID	- Sender ID
Corporate ID	- Supplier Defined**
Remit to Duns Number	- Not used by Autoliv ASP
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

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).

\*The value received in the GS\*03 and transmitted in the ISA\*06 in the ASN file.

### Cross-Dock (GATX) Suppliers

Company Number	- xx
OEM Code	- AT
Plant ID	- Dummy ID
OEM ID	- AUTOGATX
Corporate ID	- Not used by Autoliv ASP
Remit to Duns Number	- Not used by Autoliv ASP
VAT Code	- Tax ID
Transmission Mode	- Not used by Autoliv ASP
Smart Labels	- N
Pallet Staging	- N
Bar Code File Transfer	- N
Variable Unwrap Print	- Y or N
Automatic print of 997	- N
AutoMap	- Y

The initial Identification Code record contains your supplier code in the Plant ID field. For the GATX record, enter a "dummy" ID in the Plant ID field. Use any number except a real supplier identification code used by this or another trading partner.

## Cross Dock (GATX) Suppliers

Autoliv ASP issues 830 requirements to an intermediate location called GATX. GATX adds some detail (the route ID and pick-up time) and issues 862 requirements to the suppliers. The route ID and pick-up time are processed into the VIN field in the Requirement B record.

The route ID is like a PRO Number; it identifies a shipment and links it with a trailer number. The route ID and pick-up time are printed on the shipper in the routing information position if using ArtForm to print shippers.

The suppliers ship to GATX. Bar code labels are required. GATX consolidates shipments and ships to Autoliv ASP. GATX transmits an ASN to Autoliv ASP.

The suppliers who ship to GATX do NOT transmit an ASN. Mark the ASN field in the Destination File with N.

## Application Control File

An Enhanced Application Control file keyword "RMV830" has been created to indicate if the supplier needs to remove the past due requirements from EDI inbound 830 data against the ship history for Autoliv (AT).

From the System Maintenance Menu, Select option 17.

Application Control File Maintenance. Then select option 17.

1. Enhanced Application Control File Maintenance.

Select Keyword: RMV830

Entry Keys Used: Company = '\*' for All companies

OEM: AT

Text Length: 1

Text Values: Y or N



## Master File Entry

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

## Model Year

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

## Requirement File - Clear Flags

Infor suggests that clear flags (found in the Requirement Master) be marked as follows:

866	862	830	850
_	_	X	_

This is subject to change based on the files Autoliv ASP transmits to your company.

**Note:** Do not select clear flags with "X" if requirements are transmitted only once for any given transaction set.

## Machine Readable Destination File

Set the "Clear by Destination" flag in the Machine Readable Destination File to "Y" to ensure that requirements for parts that are sent are processed in and requirements for parts that are not sent are cleared.

## Process Keywords

The Process keywords with the following descriptions should be marked inactive:

- "ADD REQUIREMENTS IF PURPOSE = '04'"
- "UPDATE/ADD REQUIREMENTS IF PURPOSE = 00"
- "REPLACE REQUIREMENTS IF PURPOSE = 05"

For information on turning keywords on and off, see the section "Activate or Deactivate Keywords - Change Error Types (Warning - Terminal)" on page 12.

## CUM Required Prior

Autoliv ASP does not send CUM required prior. They send CUM received, which is placed in the CUM required prior field. Therefore, it is not necessary to enter it manually before going live. The CUM 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. If entering a Autoliv ASP 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.

## **EDI Code File**

### **Type Codes**

- C Firm
- D Planning

### **Frequency Codes**

- D Discrete
- M Monthly
- W Weekly bucket (Monday-Sunday)

## **Special Processing**

### **Duplicates Removed**

During the Process, incoming requirements are checked against shipping history. If a requirement is found with the same Purchase Order Number and DON (Delivery Order Number) and the requirement year in the incoming file matches the ship year in shipping history, that requirement is not processed into the Requirement and Load Files. A report prints identifying the requirements that were not processed.

### **Shift Exception**

Autoliv 830 and 862 requirements (when the frequency is equal to "D") are not removed during the "Shift." These requirements are removed or reduced during the "Extract." Also during the "Extract," the CUM shipped is forced into the CUM required prior so they are equal. This also occurs when a shipping adjustment is made.

Mark the "Load Past Due Req'ts from History?" with "Y" so past due will be placed in the Load File. Mark the Type of Processing with "N" for Net.

**Special Processing  
Window**

```
JTDMaint4           Special Processing Information
Load Past Due Req'ts from
History? (Y/N/B/M)..... Y      Chrysler Special Processing for
                                   'B D' Requirements (B/L/S)..... _
Type of Processing (C/N). N      Remove Chrysler EDI 'B D'
                                   Reqts. prior to today (Y/N).... _
                                   Ignore STD PAK for
                                   Load/MRP Build? (Y/N).... Y
                                   Omit 830 planning req'ts in
                                   Shipping (Y/N)..... Y
                                   Competitor Part (C) or
                                   FBO Flag (B/F/J/E)..... _
                                   Pricing Based On Order Quantity
                                   Or Ship Quantity? (O/S)..... _
                                   Special Partial Week
                                   for current week (Y/N)... _
                                   Override in Manual Req'ts Entry:
                                   Release Number and Date? (Y/N). _
                                   No Container Calculation
                                   for Part On Shipper (Y/N) _
                                   P.O. Number? (Y/N)..... _
                                   Partial Week With Sunday
                                   Dates (Y/N)..... _
                                   Secondary OEM Code..... _
F1=Help      F12=Return
```

## File Archiving / Auto Print and Process

(Option 3 on the AZ10 Menu - ACM)

AZD2008	PROCESS PROFILE SETUP
OEM ..... Company .....	
Auto Print ..... Auto Process..... Auto 997..... Days To Archive.....	
F4=Prompt    F12=Cancel	

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

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

## Remittance Advices (820s)

The Remittance Advice (820) is sent when a check is issued indicating the payment amount and the invoice data supporting the payment, such as invoice numbers, part numbers, quantities, Purchase Order numbers, etc. When Remittance Advice data is no longer current, it may be purged. Autoliv ASP uses the RMR 820 record. The RMR record displays information pertaining to the shipper. Access the Remittance Advice information through option 11, Remittance Advices, on the AutoMap main menu.

Remittance Advice Maintenance		Record Status: X
Company: 01		
OEM: AT	Check Amount: 100.00	
Customer Abbrev:	Receive Date: 7/15/15	
Destination Abbrev:	Internal ID: 114031515305902	
	Check Date: 6/20/XX	
	Purpose: I	
	Credit Code: C	
	Payment Method: CHK	
	Account Number:	
	Business Format: PBC	
	Business Function: VEN	
	Trace Type Code:	
	Transaction Ref#:	
	Originating Company ID:	
	P.O. Suffix: BY	
	Currency Code: USA	
	Exchange Rate:	
	Originating Company ID Supplemental:	
	Reference Number:	
	Company Id:	
F3=Exit F4=Names F5=ID Numbers F7=DFI No. F8=Keys F9=Status F12=Return		

Note that the Reference Numbers option on the Name Information screen displays only if the data was sent by Autoliv ASP. Note also that the F5 (Item Detail) function on the A/R Open Item Header screen does not apply to all OEMs.

# ASNs

## Mandatory Fields

### ASN Header Maintenance Screen

ASN Purpose	-	Transmitted in the BSN 01. Valid codes include: O Original 00
Equipment Description	-	Transmitted in the TD3 01.
Ship Date	-	Transmitted in the DTM 02.
Ship Time	-	Transmitted in the DTM 03.
SCAC Pick up	-	Transmitted in the TD5 03.
Conveyance Code	-	Transmitted in the TD5 04.

### Flags/Codes Screen

ASN Codes -	-	"V" for variable length without bar code verification.
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### Reference # Screen

BOL	-	Transmitted in the REF*BM segment, in the 2 <sup>nd</sup> element.
Conveyance Bill	-	Transmitted in the TD3 03.

## ASN Detail Maintenance

Cust Part	-	Transmitted in the LIN 03.
Ship Qty.	-	Transmitted in the CTT 02 and SN1 02.
Ship Net	-	Transmitted in the MEA 03.
Ship Gross	-	Transmitted in the MEA 03.
CUM Shipped	-	Transmitted in the SN1 04.
ASN Unit/Mea	-	Transmitted in the SN1 03.
P.O. Number	-	Transmitted in the PRF 01.
RAN Number	-	Transmitted in the PRF 01.

## ASN Container Review Screen

Container Description	-	Transmitted in the TD1 01.
Container Quantity	-	Transmitted in the TD1 02.

## How to Use This Document

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

## General Information

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

## Security

The security section of the document explains the network(s) used by this trading partner, and specific information about how to create the trading partner cross reference file.

## Implementation

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

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

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

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

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

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

## 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.



## 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 Autoliv EDIFACT practices. To view keywords used by Autoliv EDIFACT:

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).