



Volvo's Application Of Odette / Transport Label

TRANSPORT LABEL Version 3 Revision 1
(2013-01-08)

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Paper, Size and Materials

The format of the Odette Transport Label (OTL) is 210x74 mm (cf. figure 1.)

This format may not be printed on larger paper size, e.g. A4 (cf. figure 2.)

The OTL paper must be white with black printing.

The label material has to have a weight of not less than 160-170 g/m² and that it is weather resistant.

This is to assure the OTL information being readable in the complete supply chain.

If adhesive label is used and attached on the Transport package, the label material has to have a weight of not less than 80 g/m² and that it is weather resistant.

Adhesive labels may be pressure-sensitive or dry-gummed as long as the adherence to the package surface is assured and that the OTL is easily removable from the Transport package after usage.

The label must be durable enough to ensure readability at its destination, i.e. being weather resistance.

Printers and Software

To ensure readability of the bar codes, a very high print quality is demanded. Therefore Volvo recommends using either a **Thermo** or **Thermo Transfer** printer to reach acceptable quality.

If a **Laser** printer is used to print the OTL it is necessary to follow the manufacturer specification according to maintenance and paper material. This since a Laser printer is more sensitive to environment it is working in.

Matrix printers are **NOT** allowed in any supply chain to Volvo because of low quality aspects.

It is most important that the recommended maintenance of the printer is followed according to the given instruction by the printer manufacturer.

If the printer is located in a very dirty/dusty environment it is recommended that the maintenance of the printer is carried out more often than the recommendation says.

If the environment is of extreme character it is needed to take in consideration adding a "hood cover" to the printer.

It is recommended that within a purchase of a printer also include a support agreement with the printer supplier. If changes or a modification is needed of the OTL, this support is valuable not to interfere with any part of the supply chain.

To secure that a change of printer or software does not interfere with any aspects of the supply chain, Volvo requests that the supplier inform the affected goods receiving sites. There might be a need of a new verification of the OTL.

Data

Data Area Layout

Data Area

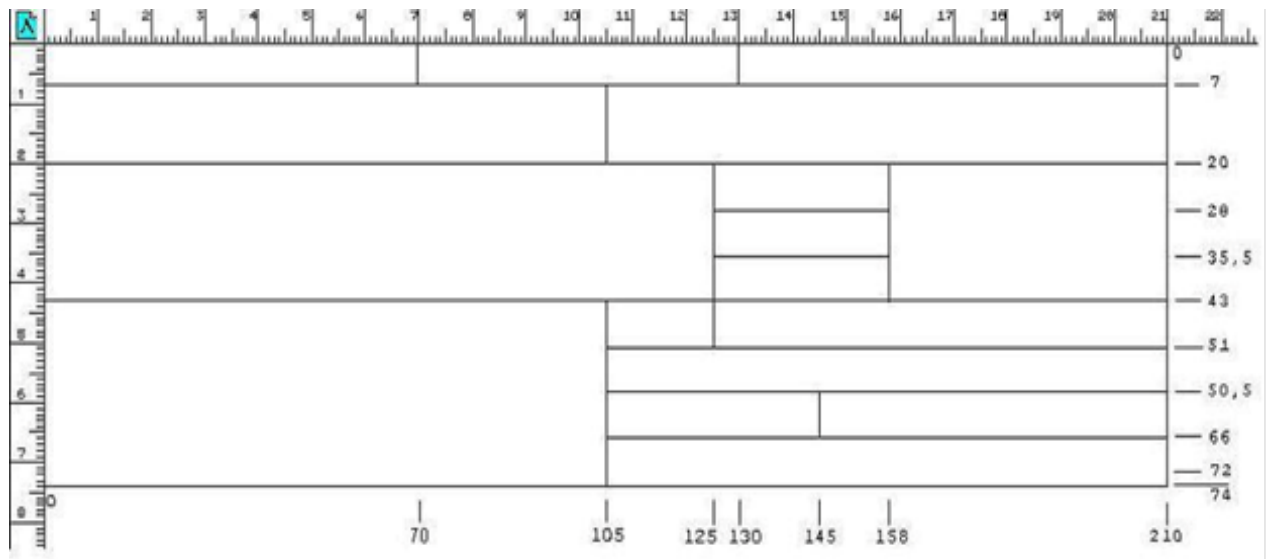
The size of each data area is defined to fit the content, taken in consideration of font size, bar code heights and dimensions.

Outer border line (frame) should not be printed on the OTL. This to provide the best reading possibilities of the bar code (see Quiet zone in chapter Bar code symbologies).

Each data area should be separated by thin lines.

The illustration below shows the layout of the OTL, figures in millimeter (mm).

Notice! Not actual size.



Data area title

Each data area shall have its designation or title

- in UPPER CASE characters,
- of **ARIAL bold** font of about 2mm high,
- left justified at the top of the area,
- suffixed, when the data is bar-coded, by its appropriate FACT data identifier in brackets.
- full title to be displayed.e.g. Serial Number (S). Further information regarding Data Identifiers is to be found in the Data Area Table, column Data Identifiers.

In human readable characters

Data shall be printed in HELVETICA NARROW font (or equivalent) with characters of height and pitch as specified for each data area.

Data Area Content

Data printed on the OTL must be consistent with the data collected from the Delivery Schedules (Global DELFOR) and in conjunction with the ASN message (Global DESADV).

The data information in readable text must be printed above and in conjunction with the bar code, e.g. Advice note number.

Conditional Data Areas (Occasionally or Dependent information) which are not required by any agreement between Volvo and the respective supplier, must be left blank. See Data Area Table in chapter 5.1.

Non-significant (leading or initial) zeros and blanks/spaces in the data string should be suppressed/deleted, when the bar code and/or human readable characters are printed.

The OTL is divided into two sections:

- **Shipping section** – Shipp To, Dock/Gate, Advice Note number, Ship From, Net weight, Gross weight and Number of boxes.
- **Parts Identification section** – Part number, Quantity, Supplier, Serial Number, Description, Logistic Reference Area, Date, Engineering change and Batch number.

The Data Areas are numbered from A1 to D7 and should be mapped to information given in pages for Data Area Sections.

Notice! Not actual size.

A1		A2		A3	
B1			B2		
C1			C2	C5	
			C3		
			C4		
D1	D2	D3			
	D4				
	D5	D6			
	D7				

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Data Area Tables

Naming conversion			
Area	Volvo's title	Odette's Title	Label Title
	SHIPPING Section		
A1	Shipp To	Consignee	CSGE
A2	Dock/Gate	Unloading point	DOCK
A3	Shipp From	Consignor	CSGR
B1	Advice note number	Reference	O/No (11K)
B2	Dock/Gate	Place of destination	DEST PT
C2	Net weight	Net weight	NET WGT
C3	Gross weight	Gross weight	GR WGT
D2	Number of boxes	Number(of packing units included)	NB
	Parts Identification Section		
C1	Part number	Part number	PROD CDE (P)
C4	Date	Date	DATE
C5	Quantity	Quantity(of identical parts)	QTY (Q)
D1	Serial number	Serial number / Licence Plate	SER No or LIC PLTE
D3	Description	Product description	DESC
D4	Logistic reference	Supplier reference	SUP REF
D5	Batch number	Batch number	BATCH (H)
D6	Engineering Change	Engineering change number	EC No
D7	Supplier ID	Seller code	SUP CDE (V)

Conditions (*)					
Area	Volvos title	Simplified Transport/handling Unit (S)	Homogeneous Transport/handling Unit (M)	Homogeneous Transport/handling Unit (G)	Packaging Unit (S)
A1	Receiver	MANDATORY	MANDATORY	MANDATORY	DEPENDENT (1)
A2	Dock/Gate	MANDATORY	MANDATORY	MANDATORY	DEPENDENT (1)
A3	Supplier address	MANDATORY	MANDATORY	MANDATORY	MANDATORY
B1	Advice note number	MANDATORY	MANDATORY	MANDATORY	DEPENDENT (1)
B2	Dock/Gate	MANDATORY	MANDATORY	MANDATORY	DEPENDENT (1)
C2	Net weight	MANDATORY	MANDATORY	MANDATORY	MANDATORY
C3	Gross weight	MANDATORY	MANDATORY	MANDATORY	MANDATORY
D2	Number of boxes	MANDATORY	MANDATORY	MANDATORY	MANDATORY
C1	Part number	MANDATORY	MANDATORY	FORBIDDEN	MANDATORY
C4	Date	MANDATORY	MANDATORY	MANDATORY	MANDATORY
C5	Quantity	MANDATORY	MANDATORY	FORBIDDEN	MANDATORY
D1	Serial number	MANDATORY	MANDATORY	MANDATORY	MANDATORY
D3	Description	MANDATORY	MANDATORY	FORBIDDEN	MANDATORY
D4	Logistic reference	DEPENDENT (2)	DEPENDENT (2)	FORBIDDEN	DEPENDENT (2)
D5	Batch number	DEPENDENT (3)	FORBIDDEN	FORBIDDEN	DEPENDENT (3)
D6	Engineering Change	MANDATORY	MANDATORY	FORBIDDEN	MANDATORY
D7	Supplier ID	MANDATORY	MANDATORY	MANDATORY	MANDATORY

- (1) . Mandatory for Renault Trucks SAS receivers.
- (2) . See Data Area Section D4 for more details.
- (3) . See Data Area Section D5 for more details.

* **It is not allowed** to use Simplified transport/handling unit (S) labels and homogeneous transport/handling units (M or G) labels made from the Odette 3.1 standard unless there is special agreement with each Volvo Group unit.
 The Volvo subset of Odette 3.1 label is primarily for labeling small packages using packaging unit (S) labels. It is allowed to use homogeneous transport/handling unit (M and G) labels from Volvo's Odette 1.4 specification assuming no licence plate number is used as identity.

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		Label Information				
	Data Area Content	User Attributes	Filed Length <i>Excl. Data Identifiers</i>	Barcode Size height(mm)	Text Size hight(mm)	Data Identifiers
	SHIPPING Section					
A1	Shipp To <i>Volvos unloading location</i>	R	an..20		3-5	
A2	Dock/Gate <i>Volvos place/port of discharge LOC.3225 (11)</i>	R	an..12		5	
A3	Shipp From <i>Supplier's Name</i>	R	an..29		5	
B1	Advice note number <i>Supplier's advice note number</i>	R	an..17	5	6	11K
B2	Dock/Gate <i>Volvos final delivery point LOC.3225 (159)</i>	R	an..12		12	
C2	Net weight <i>Material weight within Transport unit</i>	D	n..5		5	
C3	Gross weight <i>Total Transport unit weight</i>	R	n..5		5	
D2	Number of boxes <i>Number of packages within one transport unit</i>	D	n..5		5	
	Parts Identification Section					
C1	Part number <i>Volvos Part number</i>	R	an..18	9	12	P
C4	Date <i>Material production date (P) or despatch date (D)</i>	R	a7		6	
C5	Quantity <i>Package or Transport unit quantity</i>	R	n..10	6	12	Q
C5	Unit of measuremen <i>Value PCE is assumed</i>	D	an..3		2	
D1	Serial number <i>Supplier Package or Transport unit identification number See Chapter 9</i>	R	n..9	13	12	S
D1	Master label number <i>Supplier Transport unit number See Chapter 9</i>	R	n..9	13	12	M or G
D1	Licence plate serial number <i>See Data area Section D1 for more details</i>	D	an..15	13	12	1J
D1	Licence plate master label number <i>See Data area Section D1 for more details</i>	D	an..15	13	12	5J or 6J
D3	Description	R	an..22		6	
D4	Logistic reference <i>See Data area Section D4 for more details</i>	D		5	5	
D5	Batch number <i>Supplier's identification of documentation items</i>	D	n..5			H
D6	Engineering Change <i>Buyer's engineering change number</i>	D	an..14		5	
D7	Supplier ID <i>Supplier's number / ID</i>	R	an5	5	5	V

User Attributes:

R = Required
D = Dependent
N = Not used

Field Length:

an=Alpha numeric value
a = Alpha value
n = Numeric value
..10 = 1 – 10 positions
10 = exact 10 positiones

Data Identifiers:

See data area Sections for more information.

Data Area Sections

Shipping section

A1. Receiver

Alphanumerical human readable text

Designated by Volvo

The destination name of Volvo's unloading location.

A2. Dock/Gate

Alphanumerical human readable text

Designated by Volvo

This information must be flexible as it might be changed from one shipment to another due to changes in production.

The information must be taken from the latest delivery schedule Global DELFOR.

DELFOR. LOC.3225 (11)

A3. Supplier address

Alphanumerical human readable text

Designated by Supplier

Name and shipping address of the supplier and country of origin.

B1. Advice note number (11K)

Bar Code and Alphanumerical human readable text

Designated by Supplier

Within Volvo the Advice Note Number is used and matched to the information given in the Advanced Shipping Note (Global DESADV).

The number may not be repeated within 12 months.

DESADV BGM.1004

B2. Dock/Gate

Alphanumerical human readable text

Designated by Volvo

This information must be flexible as it might be changed from one shipment to another due to changes in production.

The information must be taken from the latest delivery schedule Global DELFOR.

DELFOR. LOC.3225 (159)

C2. Net weight

Numeric Value

Designated by Supplier

Weight of goods in (kg) excluding transport packaging.

Unit of measurement must be printed in the title of the field in brackets.

C3. Gross weight

Numeric Value

Designated by Supplier

Weight of goods in (kg) including transport packaging.

D2. Number of boxes

Numeric Value

Designated by Supplier

Number of boxes on the transport unit.

Is mainly used on Small box shipments.

Parts Identification Section

C1. Part number (P)

Bar Code and Numeric human readable text

Designated by Volvo

Part number is designated by Volvo for the product in the package.

DELFOR - LIN.7140 (IN)

DESADV - LIN.7140 (IN)

C4. Date

Alphanumerical human readable text

Designated by Supplier

Date of despatch (stated at first hand) or date of production.

The date must be printed in the format YYMMDD (Y = year, M = month, D = day) preceded by the character "D" (Despatch date) or "P" (Production date).

C5. Quantity (Q)

Bar Code and Numeric human readable text

Designated by Supplier

Quantity in the package shall be according to Volvo packing instruction and its unit load or a multiple of it.

Default the unit of measurement is pieces (PCE) and is not needed to be given. However, if it is kg, pairs, meters etc., the type code must be given in human readable form. When used, the unit of measurement must be printed directly to the right of the human readable quantity.

DESADV - QTY.6060 (52) *

DESADV - QTY.6060 (12) *

*Depeding on Transport structure see chapter 9.

D1. Serial Master label number (S, M or G)

Bar Code and Numeric human readable text

Designated by Supplier

The serial number must be a unique number (not necessarily in sequential order) assigned by the supplier.

The number may not be repeated within 12 months.

Identifiers S, M or G are assigned according to label usage.

DESADV – GIR.7402 *

DESADV – GIR.1154 (AAT)*

* Depeding on Transport structure see chapter 9.

D1. Licence plate label number (1J, 5J or 6J) **

Bar Code and AlphaNumeric human readable text

Designated by Supplier

The serial number must be a unique number (not necessarily in sequential order) assigned by the supplier.

The number may not be repeated within 12 months.

Identifiers 1J, 5J or 6J are assigned according to label usage.

DESADV – GIR.7402 *

DESADV – GIR.1154 (AAT)*

* Depeding on Transport structure see chapter 9.

** Only after special agreement with Volvo

D3. Description

Alphabetical human readable text

Designated by Volvo

Description of articles or products is according to what is given on the drawing.

D4. Logistics reference

Supplier owned

Designated by Supplier

Information is given to improve the logistics between the supplier and Volvo.

This area is normally reserved for the Supplier's part number.

However, if agreed by the supplier, the area may be used to print alternative data as specified by Volvo.

Please find the possible alternative data in the Odette Transport Label Version 3 Revision 1.

If a supplier likes to add an internal bar code in the Logistic Reference area it is necessary to adapt to the FACT DI-Standard. This to prevent miss-reading when automatic scanning is used.

D5. Batch number

Alphanumerical human readable text

Designated by Supplier

Is a Reference number to designate grouping of products of VSP-parts (Vital Safety Parts) within the same production batch.

D6. Engineering change

Alphanumerical human readable text

Designated by Volvo

To specify engineering changes.

Information may be coded (e.g. P-04) or in clearer (e.g. "pre serial" etc).

However, if agreed by the supplier, the area may be used to print alternative data as specified by Volvo.

Bar code could be added for special usage e.g if DELFOR RFF.1153 Qual AAP is used. In this case

Data area title should PART CO NO.

D7. Supplier ID (V)

Bar Codes and Alphanumerical human readable text

Designated by Volvo

The supplier code of the Manufacturing site.

DESADV – NAD.3039 (SF)*

DESADV – NAD.3039 (SE)*

DELFOR – NAD.3039 (SE)*

*Depending on if the Manufacturing site and shipping site has been allocated different Supplier ID

See purchase order for information.

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Data Area Content Cross Reference Table (EDI Global messages vs. OTL)

DELFOR – NAD3039 (ST)	CSGE VOLVO TRUCK CORP,TUVE DOCK 020 CSGR SUPPLIERS NAME	DESADV – LOC 3225 (159) DELFOR – LOC 3225 (159)
DESADV – BGM 1004	OINo (11K) 2233447 DEST PT F-11 020	
DESADV – LIN 7140 (IN) DELFOR – LIN 7140 (IN)	PROD CDE (P) 7123456 NET WGT 109 QTY (Q) 1500 GR WGT 133 DATE D120827	DESADV – QTY 6060 (52)* DESADV – QTY 6060 (12)*
DESADV – GIR 7402 (159)*** DELFOR – RFF 1154 (AAT)***	SER No (S) 100000088 NB 1 DESC PART DESCRIPTION SUP REF 5566778 BATCH (H) EC No P01 SUP CDE (V) 54321	DESADV – GIR 7402(BX)
		DELFOR – NAD 3039 (SF)** DELFOR – NAD 3039 (SE)** DESADV – NAD 3039 (SE)

* Depending on Transport Package structure, see chapter 9.
 ** Depending on if the Manufacturing site and Shipping site has been allocated different Supplier ID. See Purchase Order
 *** Depending on Transport Package structure, see chapter 9.

Bar Code

Bar Code Symbolologies

The symbology used is Code 128B, According to ISO/IEC 15417 with the following requirements:

Code Configuration

The format for each bar code-element is: Start character, Identifier (Data Identifier), Data characters and Stop character.

All bar coded areas are printed left justified.

Inter-character gap

The space between two characters in code 128B (the inter-character gap) should be as close to the average narrow element width as is practical.

Quiet zones

Begin and end margins (quiet zones) must be at least 6.4 mm so that no line or similar makes the decoding of the bar code impossible.



Bar code heights

The height of the bar code must be after the specification in Data Area Tables.

This to give the best possible scanning possibilities as the area allows.

Narrow element/Ratio

Narrow element is the size of the smallest bar element in the bar code. The Narrow element can also be named as X-dimension.

- Narrow element is allowed to be set between 0,33 - 0,38 mm.
- Volvo recommends the modulation to be set to 0,33 mm.
(Some printers having minimum 200 dpi the recommendation is 0,375 mm.)

The Ratio is the proportion between narrow and wide element in the bar code.

- Volvo recommends using the following table to set the Ratio.
This to use the most of the data area and make the bar code less vulnerable.

Narrow element/X-dimension	Maximum Ratio
0,33	3,0
0,36	2,8
0,38	2,4

Bar Code Quality

Quality

Volvo is leaning on the ISO/IEC 15416 –standard, Bar Code Quality Test Specification Linear Symbols.

- Minimum Overall Symbol Grade is set to **B**
- Nominal measuring Aperture is set to be **6 mil**
- Wave length of light is set to **660 nm**

In all this gives:

B/6/660

The result of the Overall Symbol Grade is defined with the letters from A to F (E is excluded), where A is an excellent result and F is a not approved result of the quality verification.

The following 7 parameters are measured:

Parameter	Grade scale	Explanation	Volvo
Reference code	A or F	Wrong set up of bar code	A
Symbol contrast	A, B, C, D or F	The difference between the highest and the lowest reflectance in the whole symbol, including light margins	≥B
Edge contrast	A of F	The worst reflectance difference between a bar and a space in a symbol	A
Modulation	A, B, C, D or F	The ratio between edge contrast and symbol contrast	≥B
R.min/R.max	A or F	The reflectance of the black bar must be lower than half of the maximum reflectance in the symbol	A
Defects	A, B, C, D or F	Dirty label or white lines/dots in bar code	≥B
Decodability	A, B, C, D or F	How much of the tolerance has been used	≥B

Volvo expect ALL parameters to be measured as an Overall Symbol Grade as minimum B.

Summarize of Bar code specification:

Type of bar code	Code 128B
Modulation (X-dim./narrow element)	0,33 – 0,38 (recommended 0,33)
Ratio	1:2,2 – 1:3,0 (recommended 3,0)
Print contrast signal	≥ 75%
Quiet Zone	> 6,4 mm
Colouring of code	Black
Bar code height	See Data Area Tables for each Aera
Bar code orientation in thermo printing	90 degrees to thermomodul
Overall Symbol Grade	Minimum B

Transport label structure

The Odette organisation has identified two levels of using an OTL.

Package and Handling Unit (Two key expressions concerning the packaging)

Package Unit (S-Label)

A unit in which the article itself is loaded. Always placed on a Non Simplified Handling Unit

• **Handling Unit** (Handling unit Labels)

○ **Simplified Handling Unit** (S-Label)

Handling unit which is a package unit at the same time.

○ **Non Simplified Handling Unit**

Handling unit containing more than one package units.

Non Simplified Handling Unit can be of two kinds:

• **Homogenous Handling Unit** (M-Label)

Contains the same article number in all the package units.

• **Mixed Handling Unit** (G-Label)

Contains more than one article number.

Package and Handling Unit (Two key expressions concerning the packaging)

Using Licence Plate configuration.

Package Unit (1J-Label)

A unit in which the article itself is loaded. Always placed on a Non Simplified Handling Unit

• **Handling Unit** (Handling unit Labels)

○ **Simplified Handling Unit** (1J-Label)

Handling unit which is a package unit at the same time.

○ **Non Simplified Handling Unit**

Handling unit containing more than one package units.

Non Simplified Handling Unit can be of two kinds:

• **Homogenous Handling Unit** (5J-Label)

Contains the same article number in all the package units.

• **Mixed Handling Unit** (6J-Label)

Contains more than one article number.

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Parts Identification label (S)

The Parts Identification label contains the product information. **For Renault Trucks SAS receivers, information in the shipping fields must be given.**

The bar coded Serial Number on the label must be prefixed by “ S ”. Is only to be used on Smallbox packaging.

CSGE		DOCK	CSGR SUPPLIERs NAME	
O/No (11K)		DEST PT		
PROD CDE (P)		NET WGT	QTY (Q)	
7123456		49	1500	
		GR WGT		
		51.4		
		DATE	D120827	
SER No (S)		NE	DESC	
100000089		1	PART DESCRIPTION	
		SUP REF	5566778	
		BATCH (H)	EC No	
			P01	
		SUP CDE (V)		
		54321		

Master Label Standard (S)

Transport label to be used on all transport units containing the same part number or separate packages with the same part number when each package is not labelled with a “ Parts Identification ” label. Is to be used on simplified handling unit (standard pallets, like K1, L1, K2 etc.)

CSGE VOLVO TRUCK CORP,TUVE		DOCK 020	CSGR SUPPLIERs NAME	
O/No (11K)		DEST PT		
2233447		F-11 020		
PROD CDE (P)		NET WGT	QTY (Q)	
7123456		109	1500	
		GR WGT		
		133		
		DATE	D120827	
SER No (S)		NE	DESC	
100000088		1	PART DESCRIPTION	
		SUP REF	5566778	
		BATCH (H)	EC No	
			P01	
		SUP CDE (V)		
		54321		

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Master Label Common Item (M)

Master labels must be used where a number of common item packages are loaded within the same transport unit. Each package is previously labelled with a “ Parts Identification ” label. The quantity on the “ Master ” Label must be the sum of the quantities within all the packages. The transport unit must be labelled with the full Transport Label. The bar coded Serial Number on the label must be prefixed by “ M ” . Individual packages may have a prefix of “ S ” . Must be used on all Smallbox shipments. The Master label is affixed to a special holder (see p.23).

CSGE VOLVO TRUCK CORP,TUVE		DOCK 020	CSGR SUPPLIERs NAME	
O/No (11K) 2233447 		DEST PT F-11 020		
PROD CDE (P) 7123456 		NET WGT 109	QTY (Q) 1500	
SER No (M) 100000088 		GR WGT 133		
		DATE D120827		
		NE 4	DESC PART DESCRIPTION	
		SUP REF 5566778		
		BATCH (H)	EC No P01	
		SUP CDE (V) 54321		

Master Label Mixed Item (G)

Mixed Item Loads labels must be used where a number of packages with different part numbers are loaded within the same transport unit. Each package must be labelled with a “ Parts Identification ” label. The transport unit must be labelled with the full Transport label on which the Part Number and Quantity fields are left blank. The Serial Number on the label must be prefixed by a “ G ” . Individual packages may have a prefix of “ S ” . Must be used on all Smallbox shipments. The Master label is affixed to a special holder.

CSGE VOLVO TRUCK CORP,TUVE		DOCK 020	CSGR SUPPLIERs NAME	
O/No (11K) 2233447 		DEST PT F-11 020		
PROD CDE (P)		NET WGT 109	QTY (Q) 1500	
SER No (G) 100000088 		GR WGT 133		
		DATE D120827		
		NE 4	DESC	
		SUP REF		
		BATCH (H)	EC No	
		SUP CDE (V) 54321		

Usage of Package and Transport labels

Master Label Standard (S)

Are used for one of the following set ups:

Pallet incl. frames



Racks



In conclusion: when a single Transport Handling unit has been given a unit load by Volvo (see Packaging Instruction).

Master Label Common Item (M) and Master Label Mixed Item (G)

Are used for one of the following set ups:

V-EMB 500 boxes



In conclusion:

Master Label Common Item (M): when a multiple of packages containing the same part number with a unit load given by Volvo (see Packaging Instruction), and fixed to a pallet and lid.

Master Label Mixed Item (G): when a multiple of packages containing different part numbers, where each part number has been given a unit load by Volvo (see Packaging Instruction), and fixed to a pallet and lid.

Remark: Every small carton box packaging, like **V-EMB 100**, which are usually aimed to be handled into standard frame pallets (like K1, L1, K2 etc.) do not need OTL identifications.

However, a **basic identification** remains needed on each carton box: the part number with its barcode, the quantity and the date of production (or date of shipment) should be easily readable.

Simplified Handling Unit (S)

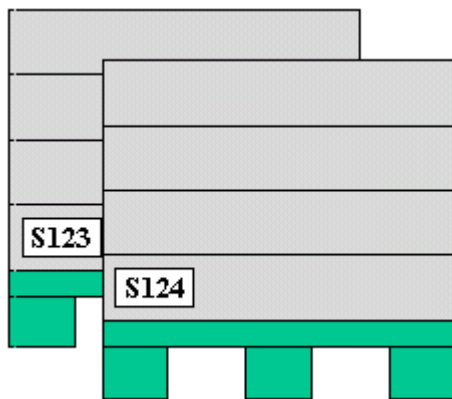
Odette reference for simplified handling unit (S):

Handling unit which is a package unit at the same time.
Volvo refers the unit load to one handling unit.

In the example below, the product is packed in packages of 1500 pieces on an L-pallet with four frames and a lid.

With the current syntax rules and in accordance with Volvo's specification, the notification is as follows:

Master Label Standard (S)



CSGR VOLVO TRUCK CORP.TUVE		DOCK 020	CSGR SUPPLIERs NAME	
ORIG (11K) 2233447	DEST PT F-11 020			
PRD CODE (P) 7123456		NET WT 109	QTY (Q) 1500	
SER No (S) 100000088		GR WT 433	DATE D120827	
NO 1		DESC PART DESCRIPTION		
SUP REF 5566778				
BATCH (B)		EC No P01		
SUP CODE (V) 54321				

One Master Label Standard (S) shall be fixed on each Transport Handling unit.

Homogenous Handling Unit (M)

Odette reference for homogenous handling unit (M):

Small boxes containing the same article number fixed on a pallet.
Volvo refers the unit load to one small box or similar.

In the example below, the product is packed in 60 small boxes of 49 pieces in each on an L-pallet and a lid, in all 1500 pieces.
With the current syntax rules and in accordance with Volvo's specification, the notification is as follows:

Master Label Common Item (M)

CSGR	VOLVO TRUCK CORP.TUVE	DOCK	020	CSGR	SUPPLIERs NAME
ORNo (112)	2233447	DEST PT	F-11 020		
PRD CODE (P)	8923456	NET WGT	109	QTY (Q)	1500
		GR WGT	137		
		DATE	D120827		
SER No (S)	100000099	No	16	DESC	PART DESCRIPTION
		SUP REF	5566778		
		BATCH (B)	P01		
		SUP CODE (S)	54321		

One Parts Identification Label (S) shall be fixed on each small box and one Master Label Common Item (M) should be fixed on a cardboard Label Holder, V-EMB 153, on the pallet.

Parts Identification label (S) - 2 OTL out of 16

CSGR		DOCK		CSGR	SUPPLIERs NAME
ORNo (112)		DEST PT			
PRD CODE (P)	8923456	NET WGT	49	QTY (Q)	1500
		GR WGT	51.4		
		DATE	D120827		
SER No (S)	100000090	No	1	DESC	PART DESCRIPTION
		SUP REF	5566778		
		BATCH (B)	P01		
		SUP CODE (S)	54321		

CSGR		DOCK		CSGR	SUPPLIERs NAME
ORNo (112)		DEST PT			
PRD CODE (P)	8923456	NET WGT	49	QTY (Q)	1500
		GR WGT	51.4		
		DATE	D120827		
SER No (S)	100000091	No	1	DESC	PART DESCRIPTION
		SUP REF	5566778		
		BATCH (B)	P01		
		SUP CODE (S)	54321		

Notice: For Renault Trucks SAS receivers, information in the shipping section must always be given on the Parts Identification Labels (S).

A Homogenous Handling unit using small box as transport package shall always have full layers.

If any small box is shipped empty, this one should NOT be marked with an OTL.

E.g. transport package V-EMB 500 has the possibility of maximum 4 layers (16/32/48/60 small boxes depending on the call off quantity).

Mixed Handling Unit (G)

Odette reference for mixed handling unit (G):

Small boxes containing different article numbers fixed on a pallet.

Volvo refers the unit load to one small box.

In the example below, different items are packed in 16 small boxes with different quantities in each, placed on an L-pallet.

With the current syntax rules and in accordance with Volvo's specification, the notification is as follows:

The diagram shows a blue L-pallet with 16 blue small boxes arranged in two columns of eight. The boxes are labeled S110, S111, S112, S113, S114, S115, G123 16, and S117. Arrows point to the Lid, Small boxes, and Pallet. To the right is a 'Master Label Mixed Item (G)' with the following data:

CSOR VOLVO TRUCK CORP.TUVE	DOCK 020	CSOR SUPPLIERS NAME
ORNo (119) 2233447	DEBTP	F-11 020
PROD CODE (7)	NET WT 109	QTY (4) 1500
	GR WT 137	DATE D120827
SER No (3) 100000098	No 16	DESC
	SUP REF	
	BATCH (6)	EC No
	SUP CODE (4) 54321	

One Parts Id Label (S) shall be fixed on each small box and one Master Label Common Item (G) should be fixed on a cardboard label holder, V-EMB 153, on the pallet.

Parts Identification label (S) – 2 OTL out of 16

CSOR	DOCK	CSOR SUPPLIERS NAME
ORNo (119)	DEBTP	
PROD CODE (7) 8923456	NET WT 49	QTY (4) 1500
	GR WT 51.4	DATE D120827
SER No (3) 100000091	No 1	DESC PART DESCRIPTION
	SUP REF 5566778	
	BATCH (6)	EC No P01
	SUP CODE (4) 54321	

CSOR	DOCK	CSOR SUPPLIERS NAME
ORNo (119)	DEBTP	
PROD CODE (7) 4123456	NET WT 49	QTY (4) 1500
	GR WT 49	DATE D120827
SER No (3) 100000099	No 16	DESC PART DESCRIPTION
	SUP REF 5566778	
	BATCH (6)	EC No P01
	SUP CODE (4) 54321	

Notice: For Renault Trucks SAS receivers, information in the shipping section must be given on the Parts Identification Labels (S).

A Mixed Handling unit using small box as transport package shall always have full layers.

If any small box is shipped empty, this one should **NOT** be marked with an OTL.

E.g. transport package V-EMB 500 has the possibility of maximum 4 layers (16/32/48/60 small boxes depending on the call off quantity).

Position and Affixing of the Label

General

OTLs are always fixed in a horizontal way using staples to wooden frames or glued on surface to small boxes, card board boxes and label holders.

Straps or bundling of the Transport Handling unit shall always work on the long side of the pallet.

Other labels or markings on the Transport Handling unit shall be removed before the despatch to Volvo. This as it may interfere in the automatic scanning process as well as it may affect the automatic storage process, e.g. Supplier Internal labels.

If plastic cover is used on the pallet, the OTL shall be fixed on the inside of this.

When Self-adhesive labels are used, following applies:

- Shall be stuck on specified area on the small boxes. (Do **NOT** staple).
- Shall be stapled on wooden frames. Do **NOT** remove the back paper.
- Shall be put in label holder on steel rack/specific packaging. Do **NOT** remove the back paper.

1. Simplified Handling unit

a. Pallet, frames and lid

The OTL should always be fixed with staples (One staple in each corner and one in the middle) in the left hand short end corner.

If self-adhesive label material is used, do **NOT** remove the back paper.

Exceptions:

- On K-pallets (820x615mm) the OTL shall be placed in the middle at the bottom frame.
- On H- (1805x820mm), F- (1630x1220mm) and E- (2400x820mm) pallets the OTL shall be placed at the left hand long side corner.



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b. Racks

Place the OTL in the Rack Label holder at the predefined area, with no other fixing arrangement. If self-adhesive label material is used, do **NOT** remove the back paper.



2. Homogenous- and Mixed Handling units (Pallet, Small boxes and lid or Pallet, card board boxes, with or without lid)

The Master Label should be fixed on a Label holder. This Label holder (Label Holder is ordered via *Volvo Logistics Corporation* as V-EMB 153) should be placed under the Small box/Card board box at the bottom short end left hand corner.

1. The Standard label should be fixed on the **short** end of small box V-EMB 750/780.
2. The Standard label should be fixed on the **long** end of small box V-EMB 800/840/500.

In both set ups named above the Standard labels has to be pointing outwards from the short end of the Transport Handling unit, in the meaning all labels should be visual.

Self-adhesive label material shall be used.

V-EMB 500 boxes



Standards

Naming	Standard
Odette Transport Label	Version 3 Revision 1
Bar Code Quality Test Specification Linear Symbols	ISO/IEC 15416:1
Bar Code Verifiers Conformance Specification, Linear	ISO/IEC 15426:1
Bar Code verifies Conformance Specification, Two-Dimensional verifiers	ISO/IEC 15426:2
Symbology Specification code 128B	ISO/IEC 15417
Data Identifier	FACT Data Identifier Standard

