

Barcode Specifications



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North America OE Division

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Shipping/parts Identification label Specifications

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1: Introduction:

These specifications provide guidelines for shipping/parts identification labels for Suppliers shipping to Dayco Products. The labels are designed to improve productivity by allowing for the effective and efficient capture of data.

2: Requirements:

Labels shall be white in color with black printing. Labels size shall be standard 4 inches high by 6 inches wide.

Font shall be upper case Arial Narrow or equivalent, there should be clear differentiation between the letter O and the number 0 (as with a dot or a line in the number 0)

Bar code symbology shall be code 3 of 9

3: Definitions:

Barcode symbol

An array of rectangular bars and spaces that are arranged in a predetermined pattern following specific rules to represent elements of data that are referred to as characters; A bar code symbol typically contains a leading quiet zone, start character, data character(s) stop character and trailing quiet zone.

Code39

Code 39 also known as Code 3 of 9 shall be the symbology as specified by ANSI

Container

A receptacle for shipping goods, ie boxes, totes, trays and racks

Data Identifier

The first character of a barcode (see appendix A for standard identifier codes)

Element

A single bar or space in a linear symbol



Element width

The thickness of an element measured from the leading edge of an element to the trailing edge of the same element

Linear Symbol

A one-dimensional bar code symbol (code 3 of 9). A bar code symbol typically contains a leading quiet zone, a start character, data characters a stop character and a trailing quiet zone.

Lines per Block (LPB)

Unit of measure defining the height of text characters (see appendix B for conversion table)

Serial Number

The serial number should consist of the prefix of the type of serial number (S,M,G) followed by the suppliers 6-digit supplier code followed by a 6 to 10 digit unique number generated by the supplier. This character string shall not be repeated within 365 days.

The prefix used is “S” for the container label, “M” for the master label, and “G” for mixed load label.



Data Area Characteristics

1: Data areas and titles:

Separate each data area by thin lines, the title of each area should be placed in the upper left corner. The titles should be approximately .08 inches high

2: Part number, quantity, serial number area:

The human readable part number, quantity and serial number should be a minimum of .25 inches tall and bolded.

3: lot number:

Supplier generated lot number must not exceed 9 alpha numeric characters, no symbols.

For quality purposes, it is the responsibility of the supplier to maintain the relationship between this lot number and the corresponding ASN and Serial Numbers that it belongs to.

4: barcoded serial number:

The barcode font for the serial number should be code 3 of 9.

A quiet zone must be maintained around the barcode.

The barcoded serial number should be placed below the human readable serial number and be a minimum of .5 inches high.

The serial number should not be repeated within a calendar year.

5: barcoded Part Number:

The barcode font for the barcoded Part Number should be code 3 of 9, The prefix used is "P".

A quiet zone must be maintained around the barcode.

The barcoded Part Number should be placed to the right of the human readable Part Number and be a minimum of .5 inches high.



6: barcoded quantity:

The barcode font for the barcoded quantity should be code 3 of 9, The prefix used is “Q”.

A quiet zone must be maintained around the barcode.

The barcoded quantity should be placed to the right of the human readable quantity and be a minimum of .5 inches high.

7: barcoded Lot number:


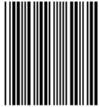
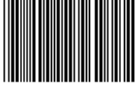




The barcode font for the barcoded lot number should be code 3 of 9, The prefix used is “E”.

A quiet zone must be maintained around the barcode.



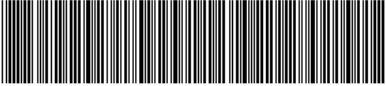
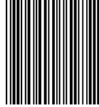



Not to scale – for illustration purposes only

Example of Container Label

PART NUMBER (P) DAYCO PART NUMBER 	
QUANTITY (Q) 250 	EC LEVEL (2P) AA 
PO NUMBER (K) 123456 	VENDOR NUMBER (U) 123456 
SERIAL # (S) S123456987654 	SUPPLIER NAME SUPPLIER ADDRESS SUPPLIER CITY, STATE, ZIP
LOT # (E) 98765432 	PART DESCRIPTION DAYCO WIDGET



Example of Master Label

PART NUMBER (P) DAYCO PART NUMBER		MASTER LABEL
 QUANTITY (Q) 250	EC LEVEL (2P) AA	
 PO NUMBER (K) 123456	 VENDOR NUMBER (V) 123456	
SERIAL # (M) M123456987654 	SUPPLIER NAME SUPPLIER ADDRESS SUPPLIER CITY, STATE, ZIP	
LOT # (E) 98765432 	PART DESCRIPTION DAYCO WIDGET	

Example of Mixed Label

MIXED LOAD

SERIAL NUMBER (G)

G123456987654





Appendix A

Data identifier codes

P	Part Number, Prefix and Base
Q	Quantity
V	Supplier Number
S	Unique Serial Number – Shipping / Parts Identification Label
M	Master serial number
G	Mixed serial number
E	Lot number
2P	Engineering Change level
K	Purchase order number

Appendix B

Suggested LPB Character Parameters

LINES PER BLOCK	MAXIMUM CHARACTERS PER LINE	APPROXIMATE POINT HEIGHT	APPROXIMATE HEIGHT IN INCHES	APPROXIMATE HEIGHT IN MILLIMETERS
1 LPB	8	64	0.90	22.0
2 LPB	18	32	0.40	11.0
3 LPB	28	20	0.25	7.0
4 LPB	34	16	0.20	5.0
5 LPB	42	12	0.15	4.0
6 LPB	48	10	0.12	3.0
7 LPB	59	8	0.10	2.0
8 LPB	68	6	0.08	1.5