NOTE: This translation is for information purposes only.
The German version shall prevail above all others.

MBG Specification for Identifying and Tracking Product Engineering Parts

Version 002

Preamble

For the standardized procedures at MBG at the Graz location, the supplier shall comply with the processes, contents of the delivery note, and parts identification described below for deliveries.

This is the basis for the automated receipt of goods, parts identification, and parts tracking in MBG Product Engineering areas. The supplier has the option of generating the delivery documents in the required form via the Internet and the Daimler Supplier Portal. The application can be used to generate the parts identification and delivery notes. In addition to the following provisions, the conditions contained in the current Mercedes-Benz Special Terms (MBST) apply. These can be found on the Daimler Supplier Portal: http://daimler.covisint.com/. Daimler AG's supply specifications are also an integral part of the agreement.

1 Scope

1.1 Scope of Validity

The MBG specification is valid for all parts deliveries to the product engineering parts warehouse, which is operated by Magna-Steyr-Fahrzeugtechnik on behalf of Mercedes-Benz G GmbH, as well as direct deliveries to Mercedes-Benz G GmbH.

1.2 Period of Validity

The MBG - Specification Version **002** as of 07.09.2018.

2 Goods Delivery

2.1 Delivery to Magna

The delivery of parts to MBG shall always (standard address in the course of the order) be made to the GEW receiving area:

Magna Steyr Fahrzeugtechnik AG & CO KG,
Halle 11 Unloading Point 11S2 ZH GEW
Liebenauer Hauptstraße 317
8041 Graz

or in the case of parcels (e.g. DHL, UPS...), to:

Magna Steyr Fahrzeugtechnik AG & CO KG,
Halle 11 Unloading Point 11S2 ZH GEW
Walter-P.Chrysler-Platz 1
8041 Graz

The supplier is responsible for indicating the correct delivery address.

In general, the latest version of MBST 29 "Shipment of Goods" shall be complied with.

2.2 Delivery to Third Parties

Upon delivery of parts ordered by MBG to third parties, e.g. prototype builders, the supplier shall ensure that a signed delivery note with the delivery quantities received is sent to MBG Logistics (mbg_elogistik@daimler.com) upon receipt of goods by the third party.

2.3 Free Deliveries

Where parts deliveries are made to MBG free of charge, the supplier shall label the goods and the corresponding delivery documents with the words "Free Delivery". If the free delivery is based on an order number, this shall also be noted.

3 Goods Identification for Parts

Every individual component part delivered shall be labeled by the supplier in accordance with **MBN 10535** (Identification of Preproduction Series Parts). This shall apply to all parts delivered to MBG, i.e. also series production parts. MBN 10535 provides for component parts to be labeled with an adhesive label or, where this is technically not possible, with a transport label. MBN 10535 can be downloaded from the Daimler Supplier Portal, "daimler.covisint.com".

Example of parts identification:

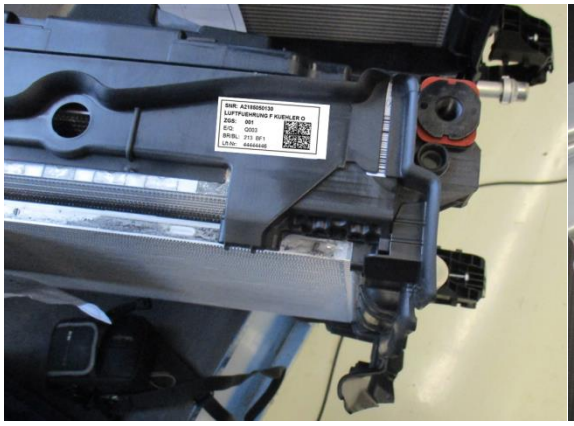


Fig. 1: Parts identification with an adhesive label

Fig. 2: Parts identification with a transport label

Where deliveries have a required version number (body-in-white scopes), a transport label with a data matrix code shall be used. In addition, observe the specifications in the standard.

To ensure the code is machine-readable, the matrix code described in MBN 10535 (MBN 10535 Supplement 3 – Data Matrix Code Specification) shall be used.

3.1 Sample of Label According to MBN 10535

The content of the sample label shown in MBN 10535 is the minimum content to be included and additional details may be added. The mandatory fields listed in MBN 10535 shall always be completed and the instructions in Chapter 3.3 shall be complied with.

Example: Extract from MBN 10535 Adhesive Label – Supplementary Page 1

Form und Größe des Etiketts

Maße:	21,2 x 45,7 mm
DataMatrix Code:	ECC200 36x36 Symbolgröße, 127 alphanumerische Zeichen 15,1 x 15,1 mm Siehe Beiblatt 3
Schriftgröße:	≥ 2,6 mm
Schriftart:	Arial

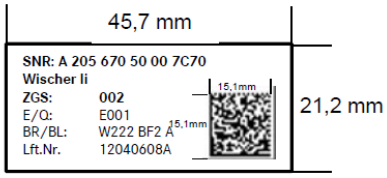


Illustration not to scale

3.2 Sample of Transport Label

If, due to the configuration of the component part, a transport label is necessary, the sample in MBN 10535 with the data matrix code shall be used.
Example: Extract from MBN 10535 Format of Transport Label – Supplementary Page 2

Beispiel Warenanhänger DIN A6 quer (148 x 105mm).

Schriftgröße:	11
Schriftart:	Arial
DataMatrix Code:	ECC 200 (siehe Beiblatt 4)

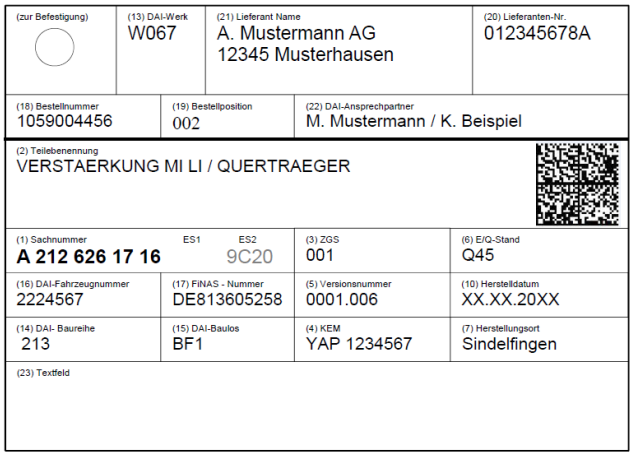


Illustration not to scale

3.3 Requirements for Content of MBN 10535 Fields

Where deliveries take place on the basis of orders by Product Engineering, the order number and order item shall be included in a machine-readable format in data matrix code as per MBN 10535.

The following points shall be applied when completing the MBN 10535 fields listed below:

MBN 10535 Field	Description	Contents
SNR	Part number of component part	Use the part number for the component part as given in the order. If an ES1/ES2 (supplementary code) is an integral part of the part number, it shall be given in full, including the blanks. Example of an entry with blanks: A2135408206▫▫▫▫▫8G69
ZGS	Drawing geometry status	If the ZGS of the component part differs from that in the order, the ZGS of the part delivered shall be given.
Version	Version number	Mandatory for parts destined for the body shell. Provide the version number supplied for the part no. Format: □□□□.□□□
DAI model series	Model series or project code	The content is given in the order under Project. For example: 217; otherwise; ……..
DAI build lot	Build lot abbreviation	The content is given in the order under Build Lot.
DAI vehicle no.	Vehicle number	The vehicle number or major assembly number, if provided in the order, shall be used. The format shall be exactly as given in the order. E.g.: 2174502

3.3.1 Special Considerations when Sample Labels Are Used with the Vehicle Number, FINAS Number, Version Number

In the case of orders quoting a vehicle number, version number, or FINAS number, the following notes shall be observed upon delivery:

If a **vehicle number** is quoted in the order, it shall be included on the label (or alternatively, transport label) in machine-readable and **human**-readable formats. If the label format in the sample is used, the vehicle number can be used instead of the E/Q status field. The data matrix code shall contain all of the information.

If a **FINAS number** is required in the order, it shall be included on the label (or alternatively, on the transport label, if the component part so dictates) in machine-readable and **human**-readable formats. If the label format in the sample MBN 10535 is used, the FINAS number can be used instead of the E/Q status field. The data matrix code shall contain all of the information.

If a **version number** is required for the delivery, it shall be included on the label, or alternatively on the transport label, in machine-readable and human-readable formats, in all cases.

4 Package Item/Load Container

4.1 General - Package/Package Item

As a rule, separate packages shall be used for each part number and order (load container, cardboard box, mesh box, etc.). In exceptional circumstances, several part numbers from one order may be packaged together. The various part numbers shall be unambiguously marked and identifiable by means of packaging inners (bags, cardboard boxes, partition walls, etc.).

Separate packaging units (pallets, mesh boxes, etc.) shall be formed for the GEW receiving area. The packaging unit may contain individual packages for different parts and orders provided the labeling is unambiguous.

4.2 General - Packaging

The supplier is solely responsible for providing suitable transport-worthy packaging for the deliveries. Packaging may be reusable or disposable. Corresponding goods identifications (e.g. fragile, do not stack, etc.) shall be permanently marked on the packaging in a clearly visible manner. The supplier shall ensure that the packaging is suitable for keeping the parts free of dirt and damage in transit and that all statutory provisions are adhered to.

4.3 Identification

The package shall be labeled on the outside with a transport label as per the current version of VDA4902 recommendations. If a load container or package contains a mixture of items, (8) Customer Part Number shall read "Mixed Load". At a minimum, the transport label shall contain these details: (1) Recipient of the Goods, (2) Receiving Area, (3) Delivery Note Number, (4) Supplier Address, (8) Customer Part Number, and (12) Supplier No.

Layout sample for a standard label

Illustration is not to scale

5 Delivery Note

The delivery note for deliveries to MBG shall comply with the requirements of Mercedes Benz Special Terms, supplemented by the following specifications.

- Only one order number shall be listed for each delivery note.
- The delivery note shall be attached to the outside of the packaging unit.
- A duplicate delivery note shall be placed inside the packaging unit.

5.1 Format of the Delivery Note (Clarification from MBG Procurement)

The delivery note is based on the delivery note as per DIN4991.

5.2 Contents of the Delivery Note

The following additional details shall be adhered to in connection with delivery notes:

The order number and order item shall always be included with a reference to the delivery note item.

If the build lot, project, vehicle or major assembly number, FINAS number, version number are listed in the order, they shall be repeated on the delivery note under any circumstance. The following table shows the mandatory and optional contents for delivery notes (provided they are given or required in the order).

Contents of delivery note	Shall (M)/ Can (K)	Comment/Example
Delivery note header		
Receiver	M	Abbreviation: e.g. Mercedes-Benz G GmbH Dr.Auner-Straße 21 8074 Raaba/Austria
Receiving area	M	Receiving area to be taken from order
Consignment load reference number (SLB)	M	8-digit reference number, issued by dispatcher to consignment. A number may not be repeated within one year.
Delivery note number	M	Numeric, no special characters. A number may not be repeated within one year. Do not start with 0 (zero).
Shipment date	M	
Supplier number + index	M	If the supplier has a number of supplying locations, the supplying factory shall be quoted as the supplying factory index as the 9th item.
Supplier name and address	M	Address of the supplier in brief: Abbrev. name, plant, postcode, city
Order no.	M	Order number details
Gross weight in kg	M	Details of weight, gross and net
Delivery note item details		
Delivery note item	M	
Part number with ES1 and ES2	M	Part number with supplementary code 1 (ES1) and supplementary code 2 (ES2) from order. ES1 and ES2 need only be implemented when quoted in the order. Enter WITH the blanks e.g.: A2035408206▫▫▫▫▫▫8G69
Part designation	M	Part designation per delivery item
Drawing geometry status (ZGS)	M	Drawing geometry status for delivered part no., e.g. 001 If the order does not contain a drawing geometry status, e.g. for B9 no., then 999 should be used for the drawing geometry status
D-status or Q status	K	If, in addition to the drawing geometry status number the quality or development status is also known.
FINAS ident number	K	Specification of the FINAS ident number
Version	K	Delivered version number for part number. Format: □□□□.□□□
Vehicle number or major assembly number	K	Vehicle number or major assembly number as given in order
Build lot	K	Build lot designation from order
Project	K	Project designation from order
Quantity	M	Delivery quantity per delivery note item
Quantity unit	M	Quantity unit per delivery item
Order item	M	Order item from order Right-justified with leading zeros. E.g.: 003

6 Additional Expenditure for Process Disruptions

If the prescribed procedures for parts identification, the layout of the delivery notes or quality guidelines in the MBG specifications are not adhered to, Mercedes-Benz G GmbH reserves the right to invoice the supplier for the costs incurred for followup at cost price. These charges are based on the current price list, *"Daimler AG Services"*.

7 Daimler Supplier Portal

Daimler AG provides suppliers with access free-of-charge via Internet to the Daimler Supplier Portal to enable them to generate the required delivery documents.
Labels, transport labels, and delivery notes can be created in this application as per the MBG specifications.
The registration form for access to this application as well as the manual and contacts of Daimler AG can be found on the Internet at http://daimler.covisint.com/ in the IBL application – In Bound Logistics – DQM – Consignments navigation point.
The supplier shall use the application if the quality of the shipping documents does not comply with the formal requirements of the MBG specifications.

8 Order Confirmation

The supplier is required to send confirmation that an order has been accepted within three (3) working days of receiving the order. Where the order is placed electronically by means of "edocs", the response with the confirmation shall be carried out electronically by means of "edocs" as well as sent to MBG Logistics (mbg_elogistik@daimler.com).

The supplier is obliged to check the content of an order received promptly and to communicate any deviations (e.g. delivery deadlines, delivery quantities, drawing geometry status numbers, colors, versions, etc.) to the orderer. If changes occur after the order has been confirmed, these changes shall be reported immediately to MBG Logistics (mbg_elogistik@daimler.com).

9 Quality Guidelines

9.1 Purpose of QA on Prototype Parts

The objective behind the design and testing of prototypes and partial builds shall achieve representative results regarding the advanced maturity level for individual components and the overall vehicle. In view of the required short assembly and testing periods available, this is only possible if the prototype parts are available in the corresponding qualities.

9.2 Obligation of Supplier for Quality Assurance of Prototype Parts as per the German Association of the Automotive Industry (VDA)

In accordance with VDA 6.1 and 6.3, the supplier is obliged to implement suitable measures to assure the quality of the delivered prototype parts. Where no special agreements have been reached regarding the quality assurance with Daimler AG, the type and scope of testing on the prototype part shall be determined by the supplier at its own discretion, taking the following criteria into account:

- Safety relevance of the component
- Function, material, manufacturing process, etc.
- Validation target and scope of the major assemblies and test vehicles in the corresponding assembly phase
- Component maturity level

9.3 Component and Build Rate Specific Testing Specifications for Critical Quality Parts

Daimler AG will provide component part and build rate specific testing specifications for defined component parts in addition to 9.2. The testing specifications define the following:

- Test equipment
- Alignment plan (datum targets, alignment, or reference positions)
- Testing and measurement specifications (measurement positions and points, test points)
- Tolerance specifications for reference, measurement, and test points
- Test frequency

The testing specifications can contain requirements pertaining to the geometry, material, surface and function of a component, and it is the binding basis for quality assurance of the component at the supplier's.

9.4 Test Result Documentation

The supplier is obliged to back up all quality documents and records without delay and make them available to Mercedes-Benz G GmbH upon request. In the case of component parts for which Daimler AG provided testing specifications, the supplier shall check the agreed characteristics before delivery, document the test results and make the test report available to Daimler AG. The costs incurred are deemed to be included in the component part costs or the agreed development costs.

9.5 Special Quality Requirements for Prototype Parts in Powertrain Product Engineering

The following quality requirements also apply along with the drawing and requirement specifications:

9.5.1 Delivery Requirements

Where prototype parts are delivered to Mercedes-Benz G GmbH, in particular to Powertrain Product Engineering, the following conditions shall be complied with, including in the event of partial deliveries:
- Packaging suitable for transport (as per the specifications in 4.2)
- Corrosion protection of at-risk surfaces for at least 6 months after delivery to MBG
- Leaktightness of oil- and water-carrying finished parts shall have been checked
- Free of burrs and cleaned (free of machining and testing residues), compliance with residual soiling specifications as per the drawing and where applicable, the requirement specifications

9.5.2 Trial Sample Inspection Report

The documentation of tests shall be implemented with the German Association of the Automotive Industry (VDA) front cover page "Test report for miscellaneous samples" as per VDA Volume 2 Publication 4, test scheduling and measurement results, parts history, and, where applicable, other documents. This document is also known as the TSIR (VMPB) (**T**rial **S**ample **I**nspection **R**eport) **(not an initial sample inspection report)**, "Test Report for Other Sample" shall be marked on the front cover page.

The TSIR documentation in detail is as follows:

>>Test Report for Other Samples<< as per VDA Volume 2 Publication 4:

a) VDA front cover page
b) Testing schedule and measurement results (as per the specifications in 10.2 and 10.3)
c) Parts history
d) Materials data sheet
e) Process workflow

The following content shall be specified in the TSIR documents:

With regard to a), content of the VDA front cover page

Part number, designation, quantity, delivery date, delivery note no., order no., date, name, signature and in the comment field:

- For OK parts: 100% visual inspection has been conducted
- For not OK parts: The indicated deviations are released by the component manager (name, department, tel.), 100% visual inspection has been conducted

With regard to c), content of parts history (obligatory and chronological):

Supplier number, part number, designation, development status, delivery date, delivery note number, quantity, change description, name (person responsible), drawing number/ZGS

Even for only partial processing of the component the quality of the processing shall still be documented in the VDA front cover page and parts history!

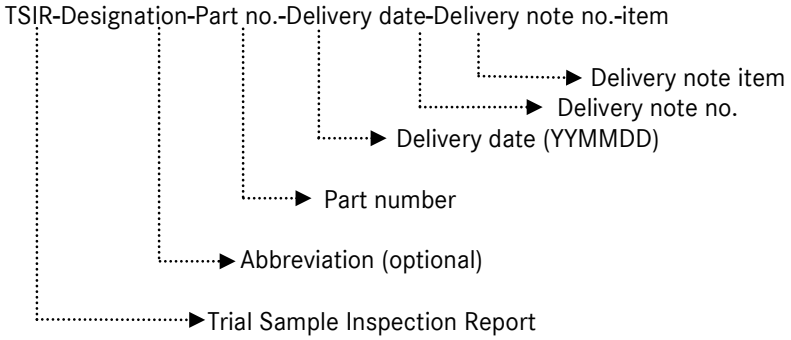
9.5.3 Digital Document Transmission

- **QA document transmission**

Queries and the QA documents themselves shall be transmitted exclusively in digital format, no later than when the goods are delivered, to the following email address: **kmg-messtechnik.pool-id@daimler.com**

The following structure of the QA documents shall be complied with for email deliveries:

1. Only one file shall be sent.
2. The file format is PDF (OCR ready).
3. The subject line and the file name shall be identical.
4. The structure of the subject line and file name is defined as follows (separator is a "-"):



Example: TSIR-Line-HAM1112223344-140120-12345-1

The following sequence shall be maintained for the documents in the PDF file:
1. VDA front cover page
2. Measurement report/test schedule
3. Parts history
4. Other appendices as per 9.2 and 9.3

- **Measurement results shall only be submitted if explicitly requested by Daimler AG.**
  Transmission of measurement results when requested shall be in the following format:
  Q-DAS® ASCII transfer format or CSV

Daimler AG reserves the right to check and, where appropriate, return items and claim regress (see Chapter 6).