

NACCO Materials Handling Group

ENGINEERING SPECIFICATION

Title: PART IDENTIFICATION OF VENDOR SUPPLIED PARTS	Document Control Number: K210
Page 1 of 2 Document Author: Rob Williamson	Effective Date: 15-Dec-2009 Revision No. 2009-12

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- OBJECTIVE:** Provide guidelines for specifying physical part identification for vendor supplied parts including labels, stamps, etching, plates, and other methods of part identification.
- SCOPE:** This procedure applies to all new or significantly revised vendor supplied parts intended for NMHG products.
- CITED:** See [Master Index](#) for a complete list of Citing & Cited Documents.
- REQUIREMENTS:** Vendor parts shall not have physical identification unless specified by NMHG or required by regulatory standards such as UL, CE, and engine emission compliance.

Physical identification is not recommended unless required for traceability. Traceability is typically required when parts have serviceable content that changes over time. The following parts typically require physical identification. This list is not intended to be all inclusive:

- Mechanical drive units
- Electrical motors (Pump, Drive, Power Steering)
- Electrical power inverters/controllers
- VSM or master controllers
- Hydraulic control valves (main and steering)
- Hydraulic cylinders
- Master cylinders (brake)
- Electric parking brake
- Steer axles
- Control handles or MLM controllers
- Operator's seat
- Pumps (Hydraulic, Steering, Transmission)
- Filters (Hydraulic, Oil, Air, Transmission)
- Carriages
- Attachments - i.e. Sideshifters, Clamps

If physical part identification is required, the follow guidelines shall be followed:

1. No Manufacturer/Vendor names, logos or contact information is permitted on the part or part identification.

Exception: If manufacturer identification is required by regulatory standards, or if it is impractical to remove a name or logo from the part such as some off the shelf parts, then this requirement may be waived with prior NMHG approval.
2. The part identification location and method of identification including the size, shape, and material to be at the discretion of the Manufacturer/Vendor, however prior

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approval shall be obtained from NMHG. The part identification location shall be indicated on both NMHG and Manufacturer/Vendor drawings.

3. Text size shall be of uniform font and size. Bold, italicized, or underlined text is not permitted.
4. If required, the text "P/N XXXXXXX" or "NMHG P/N XXXXXXX" may be present. Part numbers shall be the generic 8XXXXXX series unless the part has already been assigned a Yale or Hyster part number.
5. If required, vendor serial numbers or production date/batch/version information may be present.
6. If required, barcodes shall meet the requirements of HCE-179 BARCODES (AIAG B4 PARTS IDENTIFICATION AND TRACKING APPLICATION STANDARD). The information required in the barcode shall be specified on the drawing or Product Requirements Document.
7. If a pressure sensitive label is used, refer to HCE-70 LABELS – PRESSURE SENSITIVE for environmental requirements.
8. Additional information may be required. Refer to the part drawing and/or Product Requirements Document for additional requirements.

For additional information, refer to the following standards:

K127 PART NUMBER DIFFERENTIATION POLICY (Aftermarket part numbers)
K201 PRODUCT IDENTIFICATION UNIT CODES
K202 FRONT END EQUIPMENT IDENTIFICATION
DCN 4909 Manufacturing ECN Implementation Procedure (Parts requiring serial numbers)

Method of Specifying

K210 PART IDENTIFICATION OF VENDOR SUPPLIED PARTS