

NAVISTAR, INC.		
Material, Parts, and Process Specifications (MPAPS)		NUMBER: MPAPS P-9550
		Former Designation: <i>TMS-9550</i>
TITLE: Quality Requirements for Cab Suspension Modules		CURRENT REV No.: 1802
		DATE: Feb. 2018
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<i>This specification may involve hazardous materials, equipment, and procedures. This specification does not purport to address all of the safety issues associated with its use. The user is responsible to consult appropriate safety and health practices and to determine the applicability of regulatory limits prior to use.</i>		

1.0 APPLICATION

This specification covers engineering and quality control requirements for purchased cab suspension modules provided to Navistar plants as completed units ready for delivery directly to the truck assembly line.

2.0 SCOPE

This specification covers painting, design and testing requirements, the quality plan, quality control, source approval, and shipping and identification requirements.

2.1 Restricted Chemical Substances

Effective January 1, 2007, all product supplied to the requirements of this specification must comply with the requirements of the MPAPS B-50 specification

3.0 REFERENCE DOCUMENTS

Unless otherwise specified, the latest issue of all referenced standards shall apply. The following standards, specifications and regulations are referenced in this specification.

ISO 9001/TS 16949 – Quality Management Systems-- Requirements
 CFR Title 29, Part 1910 – Occupational Health and Safety Standards
 NAVISTAR ISQ-001-QM – Integrated Supplier Quality Requirements
 NAVISTAR D-13 – Supplier Packing and Shipping Standard.
 NAVISTAR MPAPS B-50 – Restricted Chemical Substances
 NAVISTAR MPAPS G-9009 - Painting, Metal Parts
 NAVISTAR MPAPS P-9543 - Engineering Test Report Requirements
 NAVISTAR RA-SD-NDR-008 – Truck Cab Retention
 NAVISTAR RA-SD-NDR-005 – Truck Cab Roof Strength
 SAE J2422 - Cab Roof Strength Evaluation--Quasi-Static Loading Heavy Trucks
 SAE J336 - Sound Level for Truck Cab Interior
 ECE-R29 Uniform Provisions Concerning the Approval of: Vehicles with Regard to the Protection of the Occupants of the Cab of a Commercial Vehicle

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FEBRUARY 2018



Documents

Page 1 of 5
Document Sharing Hub

NUMBER: MPAPS P-9550	TITLE: Quality Requirements For Cab Suspension Modules	REVISION: 1802
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4.0 GENERAL REQUIREMENTS

Product supplied shall be suitable for its intended application.

4.1 CAD Requirements - NEW

It is expected that suppliers provide 3D Solid Modeling CAD and 2D prints to Navistar for production release work, packaging studies, etc. (preferably in Unigraphics (NXv7.5) format, and transferred through the Navistar data Xchange program). Parasolids are an acceptable 3d format to be imported into Unigraphics by a Navistar engineer. Solid models are expected to contain all articulated positions for packaging studies (rebound, jounce, ride height, and roll is optional - if deemed applicable by both Navistar engineering and supplier).

This requirement is only applicable to new designs released after February 2018 (revision 1802).

4.2 DRD Requirements - NEW

If additional design requirements beyond this document are to be required from engineering, Navistar engineering will be responsible to provide supplier an approved DRD specific to the PN being developed that documents special requirements that apply only to the PN the DRD is written for.

4.3 DVP Requirements – NEW

For any new parts to be released, supplier is responsible to provide Navistar engineering a proposed DVP for review and approval to move forward with the testing. Once supplier testing is completed, supplier must review completed DVP with Navistar engineering. Supplier and Navistar engineering must sign the DVP for completeness and acceptable test results to be filed to supplier quality during PPAP submission.

This requirement is only applicable to new designs released after February 2018 (revision 1802).

4.4 Prime Paint

Cab suspension modules shall be finished with a prime paint, or corrosion resistant compound, or coating, meeting the requirements of Class IIB, IIP or IIE, per MPAPS G-9009. Color of the prime paint or coating is to match NAV 0004 black. All paints/coatings used on the suspension modules must be compatible for re-coating with topcoat paints used in Navistar Assembly Plants.

4.5 Design Requirements – Supplier verification of below requirements only applies to new parts released after February 2018 (revision 1802).. Requirements may be waived to new parts with minor released changes if Navistar Engineering and Navistar Supplier Quality approve.

4.5.1 Material Specifications

Material(s) specified for the bracket(s) are to be identified either to Navistar MPAPS specifications or to other recognized industry standards. Material specs to be identified on supplier prints wherever is easiest for supplier, but must provide Navistar engineering a clear understanding of each components material specification while viewing supplier prints.

This requirement is only applicable to new designs released after February 2018 (revision 1802).

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