



MSX Wiring and Schematics

**Unlock innovation with dynamic schematics and
immersive experiences**



Enhancing vehicle diagnostics with interactive schematics

MSX offers a web-based platform that redefines schematic solutions, addressing industry challenges in cost efficiencies and labor fulfillment. Our innovative approach empowers clients to navigate complex scenarios effectively and deliver exceptional value.

A modern schematic is a comprehensive breakdown of the intricate wiring systems within vehicles. From engine and propulsion systems to comfort features - such as heated seats and audio systems - and even autonomous systems, schematics serve as the roadmap connecting various systems, components, and circuits together. At MSX, we craft focused, interactive schematics tailored to specific systems, providing technicians with a clear understanding of each element's function and connectivity, including:

- > Wiring diagrams
- > Connector end views
- > Pin-out tables
- > Locator views (2D/3D)

These core elements serve as essential tools for troubleshooting, maintenance, and repair tasks, offering technicians a progressively advanced holistic view of the vehicle's electrical architecture. With cutting edge presentations and aides, and an intuitive web-based delivery and navigation of highly technical and detailed information, technicians can diagnose complex issues efficiently, enhancing the fix-it-right-first-time (FIRFT) rate and improving the customer's experience.



Revolutionizing schematics: Delivering dynamic and interactive solutions

At MSX, we have the expertise and processes in place to unify your schematic solution, connecting traditionally siloed data across product development, manufacturing, and other business operations. Our solutions can be tailored to meet the needs of our clients and offer a platform to take your information to the next level.

MSX's generative technology seamlessly integrates with the latest electrical architecture CAD applications for the creation of wiring information right from the design model. It allows you to automatically generate colorized schematic information, rich with features designed to keep your technicians engaged while driving them quickly and contextually to the targeted information. Our MSX solutions prioritize speed and focus, ensuring technicians have the right data at the right time.

We accommodate data or process gaps by using specialized utilities designed to quickly elaborate the digital model, incorporating information from suppliers, Parts in Assembly (PIAs), and physical models. Our engineers and authors play a crucial role in configuring, implementing, and operating your schematic solution, bridging the gap between automation and elaboration, and bringing your aftersales digital thread to life.





The future of schematics: A fully immersive experience

In today's complex and ever-evolving automotive landscape, schematics need to be more than static diagrams. Technicians require immersive experiences that leverage augmented reality and virtual reality to enhance productivity and FIRFT. With MSX Wiring and Schematics, OEMs can embrace the digital transformation of schematics, delivering superior service and driving innovation in the automotive industry. Our solutions offer:

- **A transformative approach to schematic creation and delivery:** Offering the OEM a scalable platform to store, create, publish, and deliver their content
- **Configurable web-based platforms:** Connectors and APIs designed to integrate with or replace legacy systems and processes
- **Immersive AR experiences:** A modern platform that allows the OEM to take advantage of emerging technologies

We're shaping the future of automotive diagnostics by revolutionizing schematic generation. Experience the difference with MSX and unlock the full potential of your vehicle service operations.



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Get in touch with us

msxi.com/wiring-and-schematics

