



WHITEPAPER



TRUCKSERIES

Maximizing Truck Maintenance Efficiency

Leveraging Online Access to TMC Recommended Practices



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INTRODUCTION

In the commercial trucking industry, the American Trucking Associations' (ATA) Technology & Maintenance Council (TMC) has been a key contributor to the advancement of technology and maintenance practices. For over six decades, the council's Recommended Practices (RP) manuals have served as the industry standard, offering comprehensive information on various vehicle systems.

This white paper explores the integration of these RPs into TruckSeries software, highlighting the benefits of online accessibility and its impact on technicians' ability to efficiently diagnose and repair medium- and heavy-duty trucks.



THE VALUE OF RECOMMENDED PRACTICES

Role of Recommended Practices in the Industry

The TMC Recommended Practices play a crucial role in the commercial trucking industry, providing technicians with standardized procedures and best practices for various aspects of truck maintenance and repair. With its extensive industry expertise and collaboration with professionals, the TMC has compiled a vast collection of over 500 technical documents covering areas such as electrical systems, tire and wheel maintenance, engines, chassis and brake systems.

TMC Executive Director Robert Braswell noted that the information is “top-quality” and has set the standard for the truck industry for over 65 years. “Each RP was developed based on real-life experiences by maintenance and supplier personnel, and then subjected to stringent evaluation by TMC members,” he said.

The RPs serve as a benchmark for industry standards, ensuring that technicians have access to consistent, reliable information. By following these established practices, technicians can maintain the highest level of quality and safety in their work. RPs also aid in reducing errors, improving efficiency, and promoting consistent performance across the commercial trucking industry.



Uniformity of Troubleshooting & Problem-Solving

By following the guidelines outlined in RPs, technicians can ensure that their maintenance and repair work meets industry standards and addresses the specific needs of different vehicle systems.

RPs promote uniformity in troubleshooting and problem-solving processes. Technicians can rely on the expertise and experience of industry professionals who have contributed to the development of these practices. This consistency not only enhances the quality of repairs but also facilitates effective communication and collaboration among technicians, fleet managers, and other stakeholders involved in truck maintenance.



Challenges in Accessing Recommended Practices

In the past, accessing the extensive collection of TMC's Recommended Practices manuals presented several challenges for technicians. The physical nature of the manuals, often spanning multiple volumes, made them cumbersome to carry and reference in real time. Technicians relied on printed copies, which were not always readily available or up-to-date.

In addition, the process of locating the relevant information within these manuals was time-consuming and inefficient. Technicians had to manually search through numerous pages and sections, often leading to delays in diagnosing and resolving truck issues. The lack of a centralized, easily accessible repository hindered the seamless integration of recommended practices into technicians' workflow.

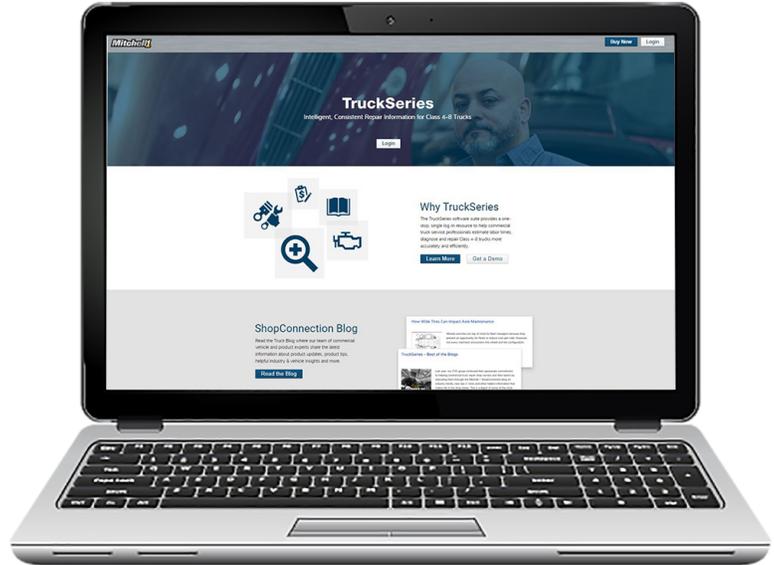
To provide a streamlined approach to accessing relevant RPs at the point of need, Mitchell 1 received licensed permission from TMC to integrate the data into TruckSeries software. This integration empowers technicians by offering a digital platform that provides instant access to the comprehensive RP collection, significantly improving efficiency, accuracy and productivity in truck maintenance and repair operations.

ALL-IN-ONE REPAIR & DIAGNOSTICS SOLUTION

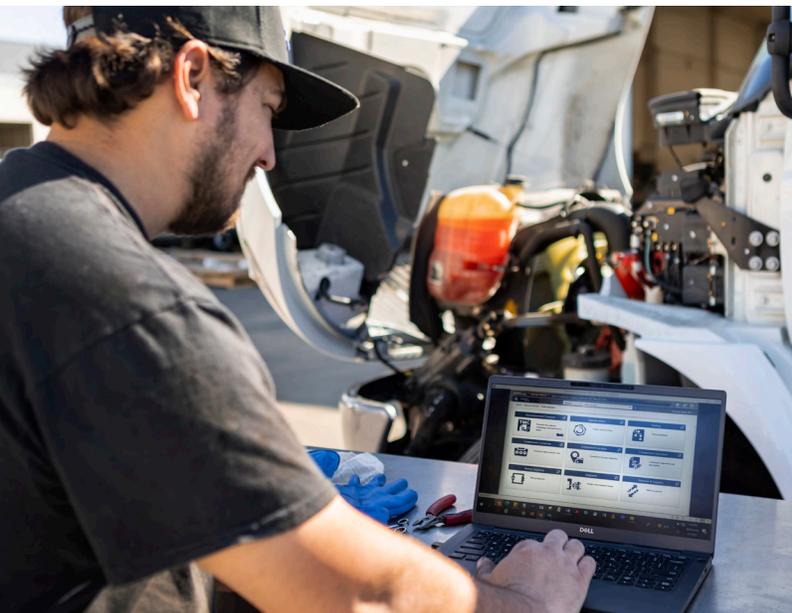
TruckSeries Overview

TruckSeries, developed by Mitchell 1, is an all-in-one software suite designed for medium- and heavy-duty trucking. It combines advanced search technology, intelligent diagnostics and user-friendly features to support service professionals in maintaining, diagnosing and repairing all makes of Class 4 through 8 trucks.

The web-based program covers various vehicle systems, including electrical, mechanical and hydraulic, with manufacturer-specific data, repair procedures, Technical Service Bulletins, advanced interactive wiring diagrams, and quick links to Advanced Driver Assistance Systems, or ADAS. The software also provides labor time estimates to help service professionals plan jobs accordingly.



The application is compatible with various devices, including desktops, laptops and tablets. Technicians can now rely on a single search to access the vast collection of RPs and other essential features within TruckSeries whether they are working in the shop or on-location, enabling technicians to access critical information wherever, whenever they need it.



TRUCKSERIES RP INTEGRATION

Accessibility and User-Friendly Interface

The integration of TMC's Recommended Practices into TruckSeries software provides enhanced accessibility and a user-friendly interface, revolutionizing the way technicians access critical maintenance guidance. With just a single login, technicians can now conveniently access the comprehensive collection of over 500 technical documents directly within the application.

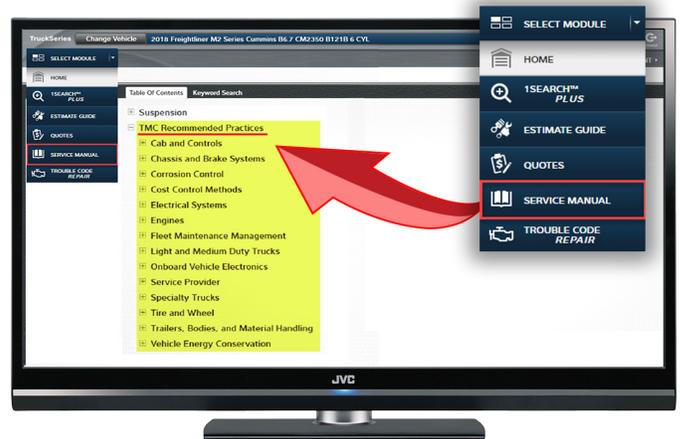
TruckSeries includes an intuitive, user-friendly interface that allows technicians to navigate through the software effortlessly. The interface is designed with technicians in mind, featuring logical menus and clear navigation paths. This enables technicians to quickly locate the desired information and pinpoint the RPs needed for their repairs.

Utilizing 1Search Plus and Service Manual View

TruckSeries offers both the 1Search Plus and Service Manual views, enabling users to locate the relevant RPs associated with a specific vehicle and component.



With the powerful 1Search Plus search engine, technicians can quickly identify and reference the appropriate RPs for any given job via its user-friendly card-based format.



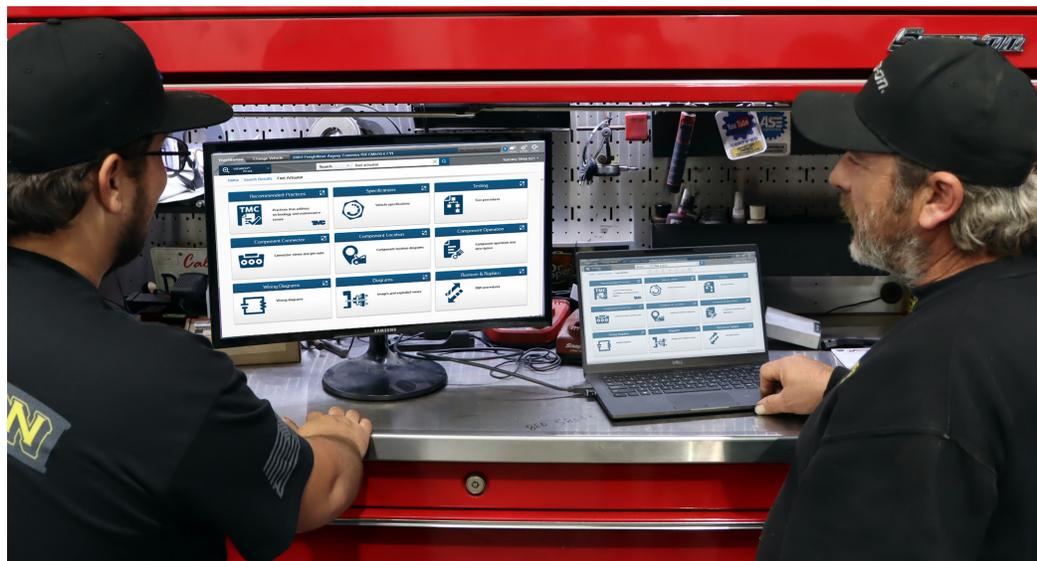
Alternatively, technicians can utilize the Service Manual view. First select the specific vehicle and component within TruckSeries to access the associated RPs.

By utilizing the intelligent search capabilities, technicians can enter specific keywords or phrases related to the component or issue they are searching for. The software then generates a list of relevant RPs, enabling technicians to access the precise information they need with just a few clicks.

Streamlined Access to Recommended Practices

TruckSeries consolidates the extensive collection of RPs into a single digital platform, eliminating the previous challenges associated with physical manuals and fragmented information sources. This provides technicians with a centralized repository that is easily searchable and continuously updated. The software ensures that technicians have instant access to the most up-to-date information, incorporating the latest revisions and additions to the RPs as they become available.

By simplifying the search and retrieval of RPs, TruckSeries enhances the efficiency and effectiveness of technicians, thereby leading to accurate diagnoses, quality repairs, and improved overall productivity while improving customer satisfaction.





BENEFITS OF ONLINE ACCESSIBILITY

Enhancing Shop Efficiency and Productivity

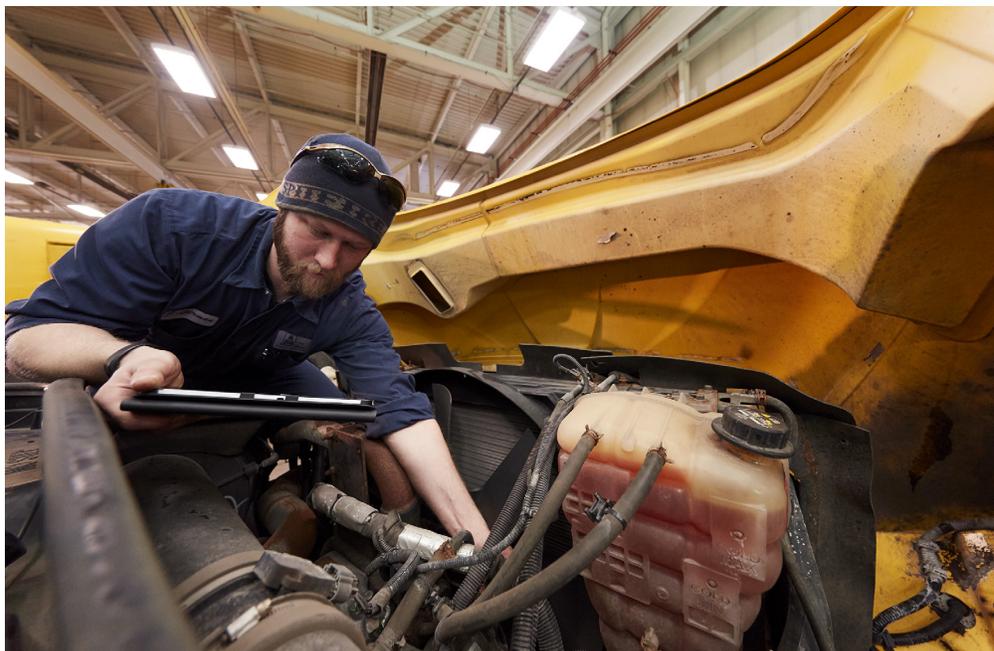
The online accessibility of TMC’s RPs through TruckSeries significantly enhances shop efficiency and productivity. Technicians no longer need to interrupt their workflow to search for physical manuals or consult colleagues for guidance. With the integration of RPs into a single software platform, technicians can access the necessary information without disruption.

TMC Executive Director Robert Braswell added that incorporating RP content into TruckSeries will help TMC further its goal of even broader industry adoption of these recommended practices, especially among technicians. “We are all working toward one common goal – to increase equipment maintenance efficiencies for the commercial truck industry. And, merging the content into TruckSeries will help us disseminate this valuable information throughout the industry,” he said.

This translates into improved productivity at the shop level, enabling technicians to perform their duties more efficiently, minimizing time spent on searching for information and maximizing time spent on repairs.

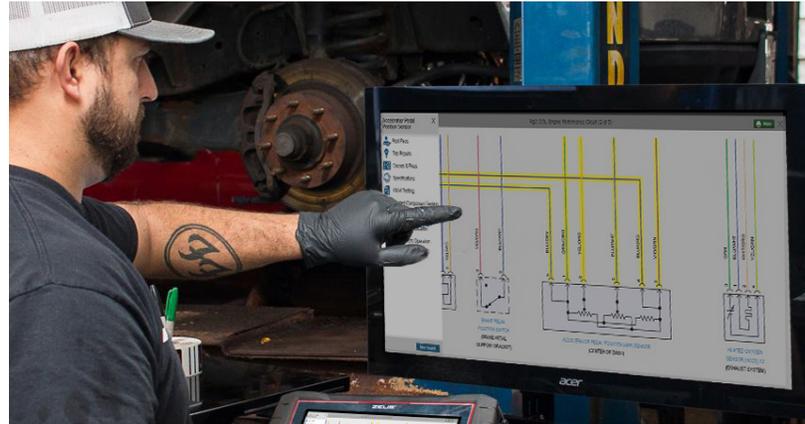


The seamless integration of RPs into TruckSeries optimizes the workflow, allowing technicians to quickly diagnose and resolve issues, leading to shorter repair cycles and increased production. This improved efficiency ultimately benefits both the technicians and the shop, while boosting overall profitability.



TRUCKSERIES: A CLOSER LOOK

TruckSeries is the only repair information software suite of its kind, tailored specifically for the medium and heavy-duty trucking segments. This all-in-one online solution delivers comprehensive information for every stage of the repair process. With its user-friendly interface, powerful search engine and extensive range of features, TruckSeries maximizes productivity and minimizes downtime, enabling technicians to get trucks back on the road faster.



Repair Module: Vital Information in One Place

TruckSeries offers a Repair Module that delivers essential service information for all makes of Class 4-8 trucks. Driven by its powerful 1Search Plus search engine, TruckSeries provides instant access to vehicle-specific information, including electrical repairs, complete with digital photos, component locations, connector views and context-sensitive specifications.



Diagnostic Module: Quick and Detailed Troubleshooting

The Diagnostic Module within TruckSeries enables technicians to access detailed trouble code diagnostic and procedure information in a single lookup. By streamlining the diagnostic process with features including intuitive, color-coded wiring diagrams and plate-to-VIN decoding, service professionals can improve repair efficiency, focusing on actual repairs rather than searching for information.



Labor Module: Accurate Time Estimates for Efficient Planning

TruckSeries includes a Labor Module that provides comprehensive, mechanical labor time estimates for all makes and models of medium and heavy trucks. With a click of a button, service professionals can instantly produce accurate and profitable estimates, either standardized or customized, further optimizing workflow processes.



TruckSeries & Manager SE Truck Edition Together: Streamlining Repair and Management Processes

TruckSeries seamlessly integrates with Mitchell 1's Manager SE Truck Edition shop management software, providing shops with repair information, labor estimating and management tools on one platform.

The shop management software streamlines workflow and tracks shop activity from estimate to invoice. Key features include built-in business reporting, an interactive Work in Progress dashboard, customer engagement tools, appointment scheduling and automated data recovery.

Interested in learning more about TruckSeries?

You're just one click away from all-in-one Repair, Diagnostics and Estimating information for Class 4-8 trucks, giving you instant access to TMC RPs!

Contact Mitchell 1 at 888-724-6742

or visit www.mitchell1.com for more information



www.mitchell1.com

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