

Medium-Truck.net Coverage:

OEMS

Chevrolet	Isuzu	Peterbilt
Ford	International	Sterling
Freightliner	Kenworth	...and more!
GMC	Mitsubishi-FUSO	
HINO	Nissan-UD	

COMPONENTS

Allison	Delco-Remy	Midland
Bendix	Detroit Diesel	Rockwell
Bosch	Eaton	Saginaw
Caterpillar	Hendrickson	Spicer
Daimler-Chrysler	Kelsey-Hayes	Wagner
Cummins	Leece-Neville	...and more!

CATEGORIES

Accessories	Electrical	Transaxles
Brakes	Engine Mechanical	Transmissions
Differentials	Engine Performance	...and more!
Drive Axles	Suspensions	

Tractor-Trailer.net Coverage:

TRACTORS

Freightliner	Mack	Volvo
International	Peterbilt	Western Star
Kenworth	Sterling	And more...

ENGINES

Caterpillar	International	Volvo
Cummins	Mercedes-Benz	And more...
Detroit Diesel	Mack	

TRAILERS

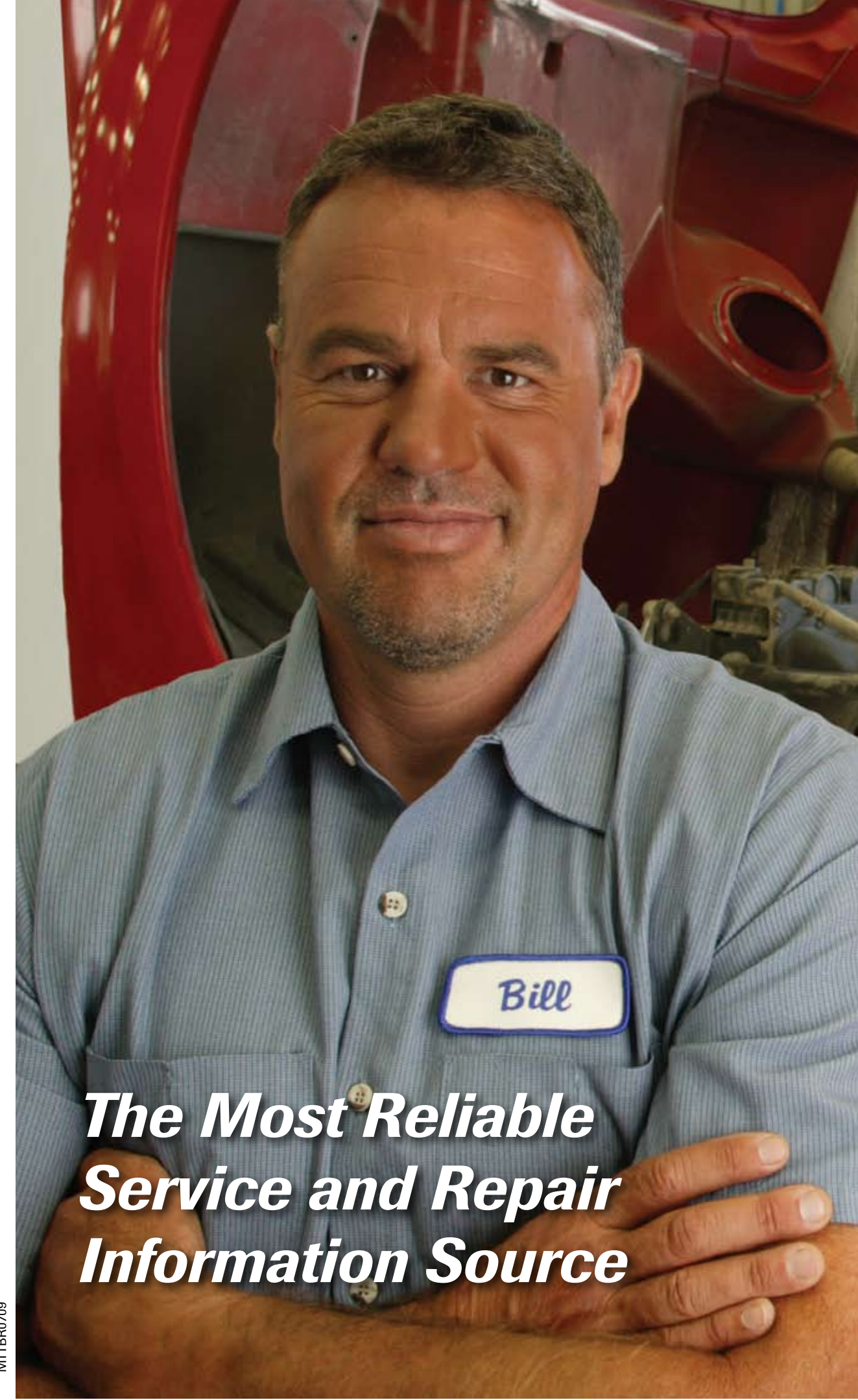
Great Dane	Utility
Wabash	And more...

Minimum System Requirements

Internet Explorer 6 • 15" monitor capable of SVGA (800 x 600) or higher resolution with 256 colors (1024 x 768 recommended) • Inkjet or Laser Printer • High-speed connection (DSL, Cable, or T1)

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Mitchell1®
Repair Information Services



***The Most Reliable
Service and Repair
Information Source***

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Tractor-Trailer.net™

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Medium-Truck.net™

The Trucking Industry's First Complete Service and Repair Web-based Information Source

Mitchell 1 has provided quality repair information for 90 years. The Mitchell 1 family of products includes a complete line of integrated software tools designed to increase and improve shop productivity. Expanding on our family of top-quality products, Mitchell 1 introduces Medium-Truck.net and Tractor-Trailer.net.

With coverage back to 1990, Medium-Truck.net and Tractor-Trailer.net provide the trucking industry with the first complete Web-based service and repair information sources. While Medium-Truck.net supplies classes 4 through 7 medium-duty straight trucks, Tractor-Trailer.net supports classes 7 and 8 heavy-duty tractors and trailers. Both Web-based products are automatically updated on a monthly basis with repair and service information, as well as product enhancements. That means no more software updates or data discs to mess with.



Increase Productivity

Say "goodbye" to cumbersome repair manuals and reach for a new tool that helps get the job done quickly and rapidly. Enjoy a distinct competitive advantage - while competitors are researching the problem, your technicians will be "pointing and clicking" their way to another finished job. Key benefits include:

VIN Decoding – No need to guess what vehicle you are working on, just enter the VIN and the program populates the Year/Make/Model information.

Easy-to-Use – All you have to do is logon to either the Tractor-Trailer.net or Medium-Truck.net home page and you are ready to access your repair information. It's that simple. There are no disks or quarterly updates to install, and no DVDs to manage.

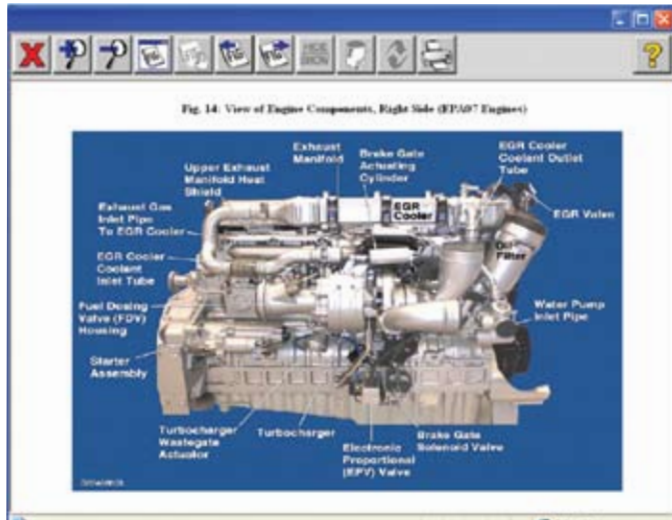
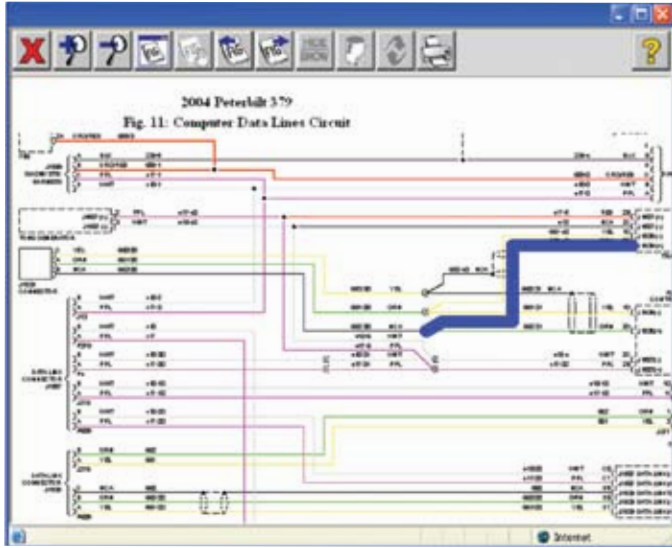
Easy-to-Learn – With consistent indexing among all OE information, learning how to locate what you need makes navigation a breeze.

Monthly Data Updates – New content is added on a monthly basis providing you with up-to-date repair information without the need for installing cumbersome update data discs.

Reliability – With a proven dependability rate of 99.99% availability, Tractor-Trailer.net and Medium-Truck.net are the most reliable service and repair information systems available to the trucking industry.

Mitchell 1 Brings You "Real World"

With thousands of detailed color wiring diagrams, Tractor-Trailer and Medium-Truck supply the best real world sources for solving complex electrical problems. Unique to both programs, Circuit Select™ allows you to easily trace, highlight, isolate and hide circuits using different colored highlights.



Likewise, thousands of digital photographs providing full-color detail views of vehicle components deliver real world pictures of the task at hand - taking out the guesswork.

Fix It Right The First Time

The fast pace of the trucking industry, combined with today's high-tech vehicles, places greater demands on service personnel than ever before. Internet-based Tractor-Trailer and Medium-Truck help ease those burdens by providing the fastest, and most accurate solutions to the toughest jobs. Having this vital service information at

your finger tips eliminates the guesswork, and helps you fix it right the first time. In fact, you will wonder how you ever did without it.

Tractor-Trailer.net - Microsoft Internet Explorer

Address: http://www.tractor-trailer.net/TUT1.asp

2004 Peterbilt 379 - Engine - Testing and Diagnostics

Vehicle Repair Manual

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MERCEDES-BENZ - TROUBLESHOOTING FAULT CODES (MBE 900 & MBE 4000)

FAULT CODE INDEX

Fault Code	J1939 SPTN	J1939 PID	J1939 SID	J1939 FMI	Description
45		45		03	COLD START (GRID HEATER) FAULT
45		45		04	COLD START (GRID HEATER) FAULT
84		84		03	VEHICLE SPEED SENSOR FAULT
84		84		04	VEHICLE SPEED SENSOR FAULT
91		91		02	ACCELERATOR PEDAL SENSOR FAULT
91		91		03	ACCELERATOR PEDAL SENSOR FAULT
91		91		04	ACCELERATOR PEDAL SENSOR FAULT
100		100		01	ENGINE OIL PRESSURE OUTSIDE NORMAL

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MERCEDES-BENZ - TROUBLESHOOTING FAULT CODES (MBE 900 & MBE 4000)

PID 100: ENGINE OIL PRESSURE OUTSIDE OF NORMAL OPERATING RANGE

Description

PID 100 fault code is active and stored when PLE-ME control unit detects engine oil pressure is operating outside normal operating ranges.

- Low Oil Pressure PID 100 01
- Oil Combustion Sensor Data Erratic PID 100 02
- Oil Combustion Sensor Open Circuit PID 100 03
- Oil Combustion Sensor Short to Ground PID 100 04
- Very Low Oil Pressure PID 100 14

Troubleshooting

Oil Pressure (BOP) sensor and an Oil Temperature (OT) sensor are contained in Oil Combustion (OC) sensor, and is located on oil filter base mounted on right front of engine. See Fig. 17.

Fig. 17. Oil Combustion Sensor

Oil Pressure Low - PID 900 01 Fault Code

- Inspect for active codes.
 - If PID fault codes 100 01 and 100 03 are active, see OIL COMBUSTION SENSOR

MERCEDES-BENZ - TROUBLESHOOTING FAULT CODES (MBE 900 & MBE 4000)

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- MEASUREMENTS
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- DESCRIPTION AND OPERATION
 - OVERVIEW
 - SAFETY PRECAUTIONS
 - ACCELERATOR PEDAL INSTALLATION
 - COBBERT AND LOOM
 - CRUISE CONTROL CIRCUIT
 - DETROIT DIESELS ELECTRONIC CONTROL (VEHICLE CONTROL UNIT (VEC) VCU)
 - ENGINE RESIDENT CONTROL UNIT (ECU) DETROIT DIESELS ELECTRONIC CONTROL (ENGINE CONTROL UNIT (DEC) ECU)
 - ENGINE FAULT

Go from Code to Repair Information in one click of your mouse.