

Spend Significantly Less Money and Time in Solving Truck Vibration Problems

Stop throwing money at truck vibration problems! How many times have you done blind swaps of components on trucks without being sure that you are doing the right thing? How many times have you attempted to resolve a vibration problem without data to help assure you have identified the source of the problem? The lack of reliable and accurate data leads to changing parts randomly. This usually results in excessive repair time, costs that amount to thousands of dollars, and a customer that probably won't come back.

Truck Vibration Technology (TVT) can help you significantly cut the cost and time to solve truck vibration problems. **TVT** is the expert at identifying, and resolving vibration problems. No drive train problem is too large or too small.



Images courtesy of Eaton Corporation.

Now you can eliminate blind swaps of truck components by using vibration source isolation data. It can significantly reduce your "trial and error" troubleshooting costs and help prevent call-backs.

TVT offers hardware distribution and full support for the Eaton® MD-300-V Vehicle Vibration Analysis System. This sophisticated tool has a proven track record at successfully diagnosing and fixing truck vibration problems. The system can easily help you pinpoint the problem to be sure that you are on the right track before you invest big dollars in incorrect component changes. Just hook up the tool, and in approximately 1.5 hours you have the root cause of the vibration source. In addition the data can be sent to **TVT**, and in less than 24 hours you can have a detailed report that includes an assessment of the problem, and an efficient repair strategy. **TVT's** expertise will help you quickly diagnose problems and implement effective solutions, based on decades of trucking industry experience.

Simply buy the tool kit from **TVT** and you'll assure a fast and effective solution to any vibration problem that you may be faced with. You can purchase the tool from us, and we'll be available to support you in every aspect, from tool set-up, to data gathering required to identify the cause. We can also supply a detailed written report if necessary. You'll be very pleased with the one-on-one support and the instant success **TVT** can help you achieve plus the savings that go directly to your bottom line. You will be very impressed with the one-on-one help you receive.

Steps to Implement Quick and Effective Vibration Solutions

Sales: **TVT** can sell you the Eaton® MD-300-V vibration tool.

Training: **TVT** will fully train you on the set-up and operation of the MD-300-V tool. Phone in support for testing will always be available.

Test Planning: Call **TVT** when you have a truck vibration issue. **TVT** will communicate directly with the OEM to plan and schedule testing.

Measurement: Hook up the measurement tool in less than 1 hour for road test. It only involves hooking up three sensors. Once the tool is hooked up to the vehicle, it's very easy to take data on worst case running conditions, which reproduces the problem vibration. This total test can usually be performed in less than 1.5 hours, which includes hooking up the tool and capturing the data. In the large majority of cases, the problem will be identified without further analysis.

Analysis: Once the data is captured, it can be e-mailed to **TVT** for quick turnaround analysis, in the rare case that it is required. You'll be e-mailed a written report in less than 24 hours with complete recommendations and procedures to further pinpoint the problem and fix the truck. Phone support to hookup the tool and take the data is included in the price of the tool. In the event a written report is required the cost will be \$300.00 for the report.

Follow-through: **TVT** will help you solve the problem by coordinating contact with the OEM and supplier engineering. Having started the communication process before testing, the process will be completed naturally with full OEM support. **TVT** will be there until the problem is solved.

About the MD-300-V System

PC Requirements

Pentium III or equivalent (1 GHz or better)
512 Mb of RAM recommended
Screen resolution – 1024 x 768
DC-ROM drive
400 Mb free space on hard drive
PCMCIA card slot required
Microsoft Windows 2000, NT, OR XP (No Vista)

Basic Hardware – Investment – \$5175.00

This includes all support required to make your first two tests successful.

Other support services with prices are listed in *About the Support*.

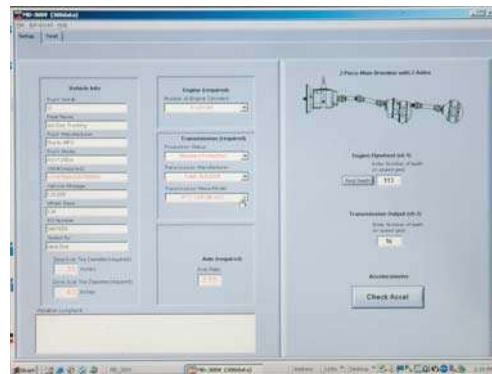
Kit Includes:

Flywheel Speed Sensor
Flywheel Speed Cable
Output Speed Jumper Cable
Triaxial Accelerometer with Cable
Conditioner Box
Box to Card Cable
PCMCIA Card (Plug into computer)

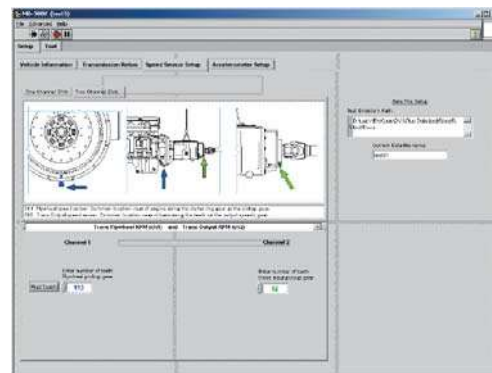


Set-up

1. Mount flywheel sensor.
2. Connect flywheel speed cable to flywheel sensor.
3. Connect output speed jumper to output sensor and reconnect existing cable.
4. Mount triaxial accelerometer under seat (magnet).
5. Connect speed sensor cables and accelerometer cable to conditioner box.
6. Connect conditioner box and PCMCIA card with cable.
7. Start data acquisition program.
8. Set up data file.
9. Enter critical truck information.

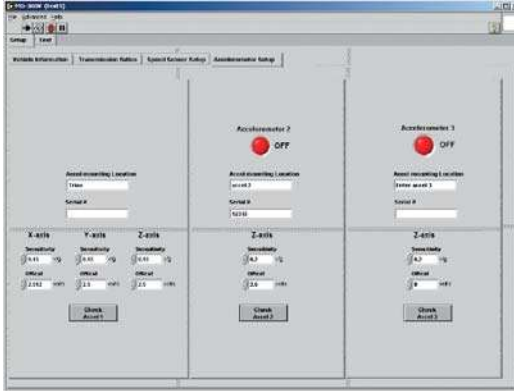


10. Enter speed sensor information and find teeth on input.



continued

- Enter accelerometer information and check accelerometer.



Taking Data

- Use loaded trailer.
- Duplicate problem running conditions.
- Click on "start data acquisition"



About the Support – (if desired)

Advanced Training – Investment – \$2000 plus travel

- Two full days
 - Truck Vibration Basics
 - Using the System
 - Analyzing the Data
 - Fixing the Truck

Special Data Acquisition Support –

Investment – \$100 per hour

- Phone in walk-through of test set-up and acquisition
- Initial setup and operation included in price of system

Analysis – Investment – \$300 per test set of data files

- 24-hour turnaround
- Written report with data encapsulation and repair procedures

Liaison – Investment – \$100 per hour

- Full engagement with OEM and suppliers responsible

To find out more on how you can save time and money with solving your truck vibration problems

Call TVT today

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