

Troubleshooting CANbus "Hands-On" 2-DAY SEMINAR

This course is designed for anyone requiring an understanding of the CANbus System and needing to advance their skills further as it applies to the everyday workplace. This is NOT ONLY a seminar on theory; the discussion will be on practical applications.

"Hands-On" Training. Students will build and experiment with circuits constructed on our fully equipped Tradecraft Platform™ simulators. Anyone desiring an in-depth understanding of the basic function of Controller Area Network system (CANbus), component operation and accepted troubleshooting steps will benefit from this training. Time is spent equally between lecture and hands-on lab experiments.

Introduction to CANbus Systems

- Overview of CANbus
- History of CAN
- Advantages of CAN
- How CANbus Works
- CANbus Signal
- CANbus Protocols

CANbus Diagnostics

- OBD-II
- J1939 Protocols
- ECM Engine control Modules
- Common U Codes
- Most Common Problems
- Troubleshooting Approach

High End Readers

- Advanced Diagnostic
- Troubleshooting Capabilities

TROUBLESHOOTING TOPICS:

- Diagnostic Tools
- Dividing Networks
- Isolating Modules
- Oscilloscope
- De-coding Signals in CANbus
- Identifying a Slow Responding Module

CANbus Architecture and Components

- OBD-II
- CANbus Signal
- CANbus Network
- J1939 Truck and Heavy Duty

Step-by-Step Troubleshooting

- Preliminary Electrical Checks
- Meter Checks
- Wiring Issues

Advanced Troubleshooting Techniques

- Signal Analysis
- Detecting Interference Modules
- Configure and Reprogram Codes
- Diagnosing Modules



COURSE INCLUDES

1.6 CEU'S | Lab Manual
Certificate of Completion | All Materials and Supplies



REGISTRATION FORM

ENROLLMENT ARRANGEMENTS SHOULD BE RECEIVED A MINIMUM OF SEVEN DAYS PRIOR TO THE SEMINAR DATE

PLEASE USE A SEPARATE FORM FOR EACH COURSE NUMBER

COURSE LOCATION: _____ COURSE DATES: _____

STUDENT: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PERSON TO CONTACT IF THERE IS A CHANGE IN SCHEDULE: _____

PHONE: _____ EXT: _____

EMAIL: _____

SELECT PAYMENT METHOD:

_____ STUDENT(s) @ \$1,295 PER PERSON TOTAL \$ _____

☐ CHECK IS ENCLOSED

☐ USE OUR PURCHASE ORDER NO. _____

☐ VISA ☐ M/C ☐ AMEX CARD HOLDER _____

CARD NUMBER: _____ EXP: _____ CVV: _____

Class Schedule:

7:30 A.M. – 3:30 P.M.
LUNCH (NOT PROVIDED)
11:00 A.M. – 12:00 P.M.

ENROLL TODAY, classes fill quickly
2-Day Seminar \$1,295 Per Person
On-Site Programs Available



WWW.NFPITRAINING.COM

For more information or to register contact us:
800-704-1066 or email info@nfpittraining.com