

# MIKE CLEARY'S ATSS TRAINING PRESENTS:

## Reno, NV: Auto/Truck Electricity & Electronics Diagnostics Class Ford Powerstroke Diesel Training Classes

Mike Cleary, the instructor, is an eight time award winning Ford Motor Company Certified Senior Master Technician and Powerstroke Engine Specialist. He was a founding board member of Ford Motor Company's Professional Technician Society, an organization dedicated to serving the needs of Ford dealership technicians in the United States and Canada. He has served on two separate Ford National Technician Advisory Boards, and received national recognition from Ford Motor Company for his contributions to Ford as a field technician involved in improving the 6.0L Powerstroke Diesel Engine Program. As an original member of Ford's IDS (Integrated Diagnostics Software) beta team, he provided field feedback to Ford regarding how IDS performs on Ford's newest vehicles. Long recognized for his diesel performance expertise, less well known is that he served as a sort of "Last Chance Garage" for many frustrated customers and technicians while serving as shop foreman and chief driveability and electronics technician at a California Ford dealership. Faced with the prospect of having to repair the vehicle and at the same time salvage the dealer/customer relationship, he developed his own unique diagnostic strategies for quickly and efficiently diagnosing the most difficult problems on a wide variety of vehicle systems: diesel engine performance, gasoline engine performance, and body and chassis electronics.

He is an ASE Certified Master Technician in both the Automobile and Heavy Truck categories, as well as being L1, L2, and F1 Certified. He is also certified by the state of California as an Advanced Emission Specialist Technician, and has a Bachelor of Science Degree in Industrial Technology from California State University, Fresno. He has been a member of the Society of Automotive Engineers since 1981. He currently owns his own shop, Cleary Automotive (a Bosch certified Diesel Vehicle Diagnostics Center), specializing in high tech driveability and electronics repairs on automobile and light trucks, carrying on his "Last Chance Garage" tradition. An internationally recognized trainer, he presents high tech driveability and electronics training for technicians worldwide for his training company, Automotive Technical Support Services, in addition to writing automotive diagnostics articles for industry trade magazines. He has a lifetime of experience as a hands-on automobile technician in independent shops and dealerships.

### CLASS ONE: FORD POWERSTROKE DIESEL: FACT OR FICTION?

There are many misconceptions about some of the systems operations and diagnostics procedures and specifications on the various Ford Powerstroke Diesel Electronic Engine Control Systems produced to date: 7.3L, 6.0L, 6.4L, and 6.7L. This interactive class will both inform you and either dispel or support some of the more commonly held "myths" regarding these engine systems. Come to class and be challenged! Just some of the topics to be covered:

- EGR Operation and Wastegate Function
- EBP Operation and Fuel Calculations
- "Growing" Oil
- Fuel System Check Valves and Pressure Regulators
- Oil Coolers—What Is the Real Cause of the "Sand" in the Coolant?
- IDS Power Balance and Relative Compression
- Glow Plug Control Monitoring
- Fan Speed Sensors—How Do They Really Work? .

### CLASS TWO: AUTOMOTIVE/TRUCK ELECTRICITY & ELECTRONICS: WHAT YOU DIDN'T LEARN IN SCHOOL

**\*\*\*NOTE: THIS CLASS APPLIES TO ALL MANUFACTURER'S VEHICLES: GASOLINE, DIESEL, HYBRID AND/OR ELECTRIC**

Tired of going to electrical classes that begin with atomic theory and movement of electrons? Sure, it explains how current moves, but does it really help you fix the vehicle? We will not be covering that in this class. This class is all about helping you become proficient at electrical diagnostics. Become an expert electrical tech! Whether you are an apprentice technician looking to become more proficient in electrical diagnostics, or a seasoned veteran who would just like a refresher and also learn new information, this is the course for you. You will learn the skills necessary to become more efficient and profitable when performing electrical diagnostics work. This is definitely not your typical electrical class. Just some of the topics to be covered:

- What really goes on inside your multi-meter and how it applies to diagnosis
- Breaking down wiring diagrams into their simplest components, thereby facilitating diagnosis
- Why fuses don't blow
- Why Kirchhoff's Laws apply more to diagnosis than Ohm's Law
- What the "real world" voltage drop specs are
- Basic electrical circuits and their components
- Common diagnostic mistakes and how to avoid them
- What a negative resistance value really means

### CLASS THREE: FORD 6.7L POWERSTROKE DIESEL DIAGNOSTICS

- Powerstroke systems and subsystem strategies and operating systems
- How to diagnose and repair the most common fault codes
- Increase your knowledge of various electronic engine control system components
- Troubleshooting shortcuts to increase your efficiency
- Discuss actual case studies in order to become more effective with your diagnostic skills
- Emissions and Fuel Economy Topics
- Technical Tips, Technical Service Bulletin Info, and other "Need To Know" Info

**SIGN UP FOR ANY CLASS OR ALL CLASSES. DETAILS & REGISTRATION FORM ON NEXT PAGE.  
EARLY BIRD DISCOUNTS EXPIRE DECEMBER 6, 2020.**

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**SIGN UP FOR ANY CLASS OR ALL CLASSES. HURRY, SEATING IS LIMITED.**

EVENT DETAILS:

QUESTIONS & REGISTRATION: ATSS---Mike Cleary  
PO Box 27522; Fresno, CA 39729  
Phone: (559) 307-7349; Fax: (559) 434-2289  
E-mail: mclearyatss@yahoo.com

PSD FACT/FICTION: 1 PM – 4:30 PM; Friday, January 10, 2020; \$149.00 USD by Dec. 6, 2019; \$199.00 USD after

ELECTRICAL CLASS: 5:30 PM – 9 PM; Friday, January 10, 2020; \$149.00 USD by Dec. 6, 2019; \$199.00 USD after

6.7L PSD CLASS: 8:30 AM – 5 PM; Saturday, January 11, 2020; \$299.00 USD by Dec. 6, 2019; \$399.00 USD after

LOCATION: Hampton Inn – Reno West; 900 Ambassador Drive; Reno, NV 89523

**BONUS: REGISTER FOR ALL 3 CLASSES BY DEC. 6, 2020, AND PAY ONLY \$565.00!**

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REGISTRATION FORM--CONFIRMATIONS WILL BE SENT VIA E-MAIL

NAME: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

WORK PHONE: \_\_\_\_\_ WORK FAX: \_\_\_\_\_

EMPLOYER NAME: \_\_\_\_\_

EMPLOYER ADDRESS: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

FAX (559-434-2289), PHOTO and TEXT (559-307-7349), E-MAIL (mclearyatss@yahoo.com), or MAIL REGISTRATION FORM to ATSS. SORRY, NO REFUNDS OR CREDITS ONCE ENROLLED. IF PAYING BY CHCECK, MAKE CHECKS PAYABLE TO "MIKE CLEARY". REGISTRATION AND PAYMENT MUST BE RECEIVED BY DEC. 6, 2020, IN ORDER TO QUALIFY FOR ANY DISCOUNTS.

CREDIT CARD INFO: (VISA OR MASTERCARD ONLY)

CARD NUMBER: \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

3 DIGIT SECURITY CODE (FROM BACK OF CARD): \_\_\_\_\_ BILLING ZIP CODE: \_\_\_\_\_

FEE PAID BY (CHECK ONE): TECHNICIAN \_\_\_\_\_ EMPLOYER \_\_\_\_\_

PLEASE INDICATE CLASS(ES) YOU ARE ATTENDING:

FRIDAY: POWERSTROKE FACT/FICTION \_\_\_\_\_ FRIDAY: ELECTRICAL \_\_\_\_\_ SATURDAY: 6.7L POWERSTROKE \_\_\_\_\_