



# Troubleshooting Air Brakes Systems

This course covers the inspection requirements as part of the Federal Motor Carrier Safety Administration Regulations 393, 396 & 499 for all fleets. Fleets must inspect vehicles every 90 days. Any vehicle that fails the inspection must be removed from service. The main reason for out of service status is AIR/ABS brake problems. US Department of Transportation did an inspection of 1,000 trailers and found 300 trailers had the trailer ABS warning light disabled. Service personnel disable the warning light rather than repair the problem.

We will also cover Automatic Stability Control for heavy duty trucks. Stability control reduces truck rollover by 40% and jack knife accidents by 67%. The stability control operation requires an operational ABS system. Stability control is disabled when the ABS system had a failure code that would prevent individual wheel brake controls. The DVD has diagrams and simple diagnostic steps for the two most popular ABS brake SYSTEMS, (Bendix and Meritor).

Diagnosing and troubleshooting brake problems must be done at once to provide the necessary repairs on brake systems that will prevent serious accidents when the vehicle is in use. Take this course and learn key strategies to diagnose and troubleshoot problems on Air Brake systems. This class will show you how to quickly and efficiently determine the cause and guide you into making the right decision of which components of the brakes must be repaired or if not repairable; replaced.

Learn the fundamentals of Antilock Brake System through both sides of ABS, electrical and mechanical. Each component's operation and function for isolation, and dumping are covered. Tactics for ABS failure mode diagnosis and troubleshooting

Coverage:

- Air Brake Function and Operation
- Air compressors
- Valves
- Foundation Drum Brake Failure
- Air slack adjusters & brake chambers.
- Air Brake Service
- Park, Emergency & Air Brake Systems
- Air Brake Mechanical
- ABS for tractors & trailers
- Detailed diagnostics for the trouble codes
- Heavy duty vehicle ABS systems

**DATE:**  
Tuesday, November 29

**TIME:** 8:00 AM – 4:00 PM

**PLACE:**  
El Paso County Fleet  
3275 Akers Dr.  
Colorado Springs, CO 80922  
719-520-6805

**COST:** \$249.00  
*Sign up by November 15*  
**Cost:** \$199.00

**INCLUDES:**  
Seat, Reference DVD  
& Certificate of Completion

**CONTACT:**  
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Date:	Contact:	Company	
Address:	City:	State	Zip
Work Phone:	Fax:	Email Address:	
Credit Card Number:	Expl Date:	MC/VISA/Discover	
Attendee Names 1)	2)	3)	

