

Comprehensive Vehicle Fire Investigation
(Includes Interactive Live Burns and Vehicle Fire Examinations)

Course Objectives:

This 2½ day training module will provide the fire/arson investigator with the practical and technical skills necessary to investigate and determine the area of origin(s) of vehicle fires. This class is updated to the new NFPA 921-2024 edition.

This training module will provide both classroom and hands-on training with practical exercises on how to conduct a systematic, thorough, and scientific examination of the vehicle.

Attendees will be provided the necessary knowledge of vehicle design, electrical systems, fuel systems, and their components that will be encountered in a motor vehicle, including alternative fuels. We will examine how these components may be in the area of fire origin.

Upon Successful Completion:

- Attendees will have been provided the necessary skills and knowledge to:
- Demonstrate the proper, systematic approach, and scientific methodology necessary for examining and documenting vehicle fires.
 - Understand basic vehicle design and electrical systems.
 - Demonstrate a working knowledge of wiring used in motor vehicles and the presence of electrical activity on electrical wiring.
 - Demonstrate a working knowledge of safety devices (fuses, breakers and fusible links, cartridges etc).
 - Demonstrate the knowledge on how to properly document the vehicle fire.
 - Demonstrate proper documentation while photographing the vehicle fire scene in a systematic manner.
 - Demonstrate the knowledge of collecting evidence from the vehicle fire scene.
 - Demonstrate following the best accepted practices while following the National Fire Protection Association 921 Guide for Fire and Explosion Investigation and 1033 Professional Qualifications for Fire Investigators. Note: Current editions will always be referenced.
 - Demonstrate knowledge of how to obtain recall information, technical service bulletin information, consumer complaint information and general research information regarding vehicle fire investigation.
 - Attendees will be involved in documenting, photographing, evidence collection and preservation and preparing a proper documentation report.
 - A download resources password will be available to all attendees, downloads including hybrids, a copy of fire tests, group vehicle examinations. The file is several gigabytes in content.

Instructors:

Steve Riggs retired after twenty-two years of Law Enforcement, and Fire Service Experience in Oklahoma. Steve has been examining fire scenes for 40 years. Steve holds a Bachelors Degree in Emergency Management, and has extensive training in Fire Cause Determination, Criminal Investigation, Arson Investigation, Evidence Processing, Interviewing Techniques, and Case Management. He is a Certified Police and Fire Instructor and a Certified Fire Investigator Instructor. Mr. Riggs has successfully been involved in many Fire/Arson Prosecutions in Oklahoma and was involved in a Federal Prosecution. To date, he has never lost an Arson Case. Steve has authored and co-authored several fire training manuals and written “A Critical Analysis of NFPA 921 User’s Manual 2nd Edition”. Steve lectures nationally to Local, State, Federal Agencies, Insurance Companies, Private, and Military Investigators, Prosecutors, Vehicle Manufacture Representatives and their Engineers. Steve is on the Board of Directors for the National Association of Fire Investigators.



**National Fire/Arson Investigation
Training Institute**
700 N. Carr Rd., #595
Plainfield, IN 46168

Phone: 317-386-8325
FAX: 317-386-8228
www.llrmi.com

October 6, 7 & 8, 2026 • Hendersonville, Tennessee

TRAINING SEMINAR

Comprehensive Vehicle Fire Investigation

(Includes Interactive Live Burns and Vehicle Fire Examinations)

October 6, 7 & 8, 2026
Hendersonville, Tennessee



SPONSORED BY:
TN Advisory
Committee on Arson
Murfreesboro, Tennessee

★ **LLRMI Experienced Instructors** ★
Make the Difference

Instructors

Steve Riggs
IAAI-CFI, CFEI, CVFI & CFII Certified
State of Oklahoma (Retired)

Register On-Line at: www.llrmi.com



National Fire Arson Investigation Training Institute
A Division of Legal and Liability Risk Management Institute

Steve Riggs, Director
www.llrmi.com

Seminar Agenda

Tuesday, October 6, 2026

8:00 – 8:30 am	Registration
8:30 – 10:00 am	Vehicle Fire Overview
10:00 am – 12:00 pm	The Application of the Scientific Method and Systematic Approach
12:00 – 1:00 pm	Lunch (On Your Own)
1:00 – 4:30 pm	Effects of Wind and Ventilation to the Vehicle Fire Patterns, Interactive Live Burns

Wednesday, October 7, 2026

8:00 am – 12:00 pm	Vehicle Examination, Documentation Vehicle Component and Burn Pattern Diagramming, and Narrative Preparation, Use of Internet Research for Vehicle Recalls, Technical Service Bulletins, Consumer Complaints, Wiring Diagrams, etc. Sample Collecting and Documentation, Important Referenced Information From NFPA 921, 1033 and FMVSS 301, 302,303,304 & 305 and a brief discussion of NFPA 1321.
12:00 – 1:00 pm	Lunch (On Your Own)
1:00 – 4:30 pm	Hands-On Vehicle Examination and Documentation Group Exercise
	NOTE: Each Group will be Provided with the Tools and Digital Cameras to Accomplish Their Vehicle Investigation and Examination.
	NOTE: You May Bring Your Own Cameras and/or Video Equipment if you wish to capture images for this exercise we will need the SD or XD format to move them to your presentation.

Thursday, October 8, 2026

8:00 am – 12:00 pm	Heavy Equipment, Hybrid Investigations, Group Presentations and Final Test
12:00 pm	Certificate Presentation

The Certified Fire and Explosion Investigator (C.F.E.I.) Examination
(National Association of Fire Investigators)

Certifications will be granted to those whose applications are accepted and pass the examination.

Applications for membership must be completed on the NAFI Website at www.nafi.org.

For additional information, call the NAFI office (877) 506-NAFI or visit the Website at www.nafi.org.

- Membership Requirement: You must be a member of NAFI to be eligible for certification.
- Membership fees: \$70 for one year.
- Certification fee: \$135 (separate from membership). * You must remain an active NAFI member to maintain your certification status.
- Application: Complete your membership and certification applications on the NAFI website: www.nafi.org.
- Download the CFEI application from the website, complete it before the class, and bring it to the class (do not mail it to NAFI).

Certification testing will be offered immediately following the first or second day of training.

3 Ways to Register

Register Online at www.llrmi.com
Fax Form to: 317-386-8228
Mail Form to: Legal and Liability Risk Management
700 N. Carr Rd., #595
Plainfield, Indiana 46168
Federal ID: 81-0692135



If you have any questions please call: 317-386-8325

❖PREPAYMENT IS NOT REQUIRED TO REGISTER❖

Upon receiving your registration we will send an Invoice to your department or agency. Checks, claim forms, purchase orders should be made payable to LLRMI.

Seminar Title:	Comprehensive Vehicle Fire Investigation
Seminar ID:	#17428
Dates:	October 6, 7 & 8, 2026
Registration Time:	October 6, 2026, 8 am
Instructors:	Steve Riggs
Seminar Location:	Shackle Island Fire Department 3199 Long Hollow Pike Hendersonville, Tennessee 37075
Hotel Reservations:	Hampton Inn & Suites Nashville/Goodlettsville 860 Conference Drive Goodlettsville , Tennessee 37072 1-615-645-1929 State Gov’t Rate
Group Code:	State Gov’t Rate - Must show State Gov’t ID at check in to receive rate
Registration Fee:	\$350.00 Includes Comprehensive Vehicle Fire Investigation Training, Printed Training Manual and Certificate of Completion



National Fire Arson Investigation
Training Institute
A Division of
Legal and Liability Risk Management Institute
Steve Riggs, Director
www.llrmi.com