



Investigation determined that a halogen lamp caused this bedroom fire.

To call in a project, ask questions, or schedule a **free** lightning seminar in your office, see the contact information below:

Contact Information

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ELECTRICAL FORENSICS, INC.



*Investigation of
Lightning Strike Claims
and
Electrical Origin & Cause
Residential, Commercial,
Industrial*

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Electrical Forensics, Inc.

Determines the cause of the electrical failures: product defect, installation error, improper use, or by normal wear and tear. We work independently, or alongside your fire origin and cause investigator, to confirm or eliminate electrical ignition sources. Provide expert witness testimony.

Electrical Forensics specializes in the Non-Destructive testing of air conditioning systems, not just the compressor. Testing, in most cases, will determine if a failure is due to a lightning strike or normal wear and tear.

Perform Non-Destructive testing of residential and commercial electrical systems to locate lightning damage to electrical wiring and components hidden in walls, ceilings, and crawl spaces. Electrical measurements and years of experience accurately determine failure locations and minimize costly drywall repairs. Testing helps determine if the circuitry is safe after a nearby lightning strike.

Written report turn-around time is among the fastest in the industry. Average report time is eight days.

Our engineers travel nationwide representing manufacturers and insurance companies in product liability claims.

Forensic Investigations Include:

- Houses – circuits, appliances, electronics
- Businesses – circuits, appliances, devices
- Restaurants – circuits, equipment
- Factories – circuits & automated equipment
- Air conditioning systems – Residential
- Air conditioning systems – Commercial
- Bulldozers and heavy equipment
- Cars, vans, trucks, dealerships
- Coal mine and railroad equipment
- Computers, security and telephone systems
- Clothes dryer & range fires
- Clothes washer flooding
- Farms, well pumps, buildings, equipment
- Marinas and boats
- Medical diagnostic equipment
- Radio and television stations
- Public elementary and high schools
- Power substations
- Recording studios
- Sewage treatment plants and lift stations

Example Case Study:

Client is an electrical contractor who wired a new house and failed to tighten a wire connection on the side of a bedroom duplex receptacle. Two years later, the house burned due to heat generated by the loose receptacle connection. Investigation revealed another contractor violated the National Electrical Code by replacing the original arc-fault breaker protecting the bedroom circuit with a standard breaker. The replacement circuit breaker allowed the fire to occur.

See website for additional case studies.

Company Information

Electrical Forensics, Inc. is a company headquartered in Brentwood, TN, serving the southeast. The degreed staff consists of professional electrical engineers with over 30 years of experience in the electrical field including residential, commercial, and industrial. The staff is licensed with the engineering boards in eight states. We are certified as fire investigators through the International Association of Arson Investigators (IAAI) and the National Association of Fire Investigators (NAFI).

Forensic clients include:

Auto Owners	Attorneys
TN Farm Bureau	Erie
Nationwide	Grange
Travelers	Zurich
St. Paul	Allstate
Westfield	H.H. Gregg
Indiana Insurance	LG, HP, F & P
State Farm	McDonald's
KY Farm Bureau	Subway
Ohio Casualty	Sonic
Encompass	Shelter
Montgomery Insurance	Safeco
Universal Underwriters	GuideOne
Independent Adjusters	Contractors