

Factory Service Training Program



Training Course Curriculum

While EVs generally require far less maintenance than their internal combustion engine counterparts, they do require periodic inspections and maintenance to keep them running optimally. Beyond standard chassis upkeep, maintaining EV uptime is relatively straight forward. We can train your team on all aspects of maintaining your Lightning fleet from required tooling, component replacement, and inspections.

3-DAY COURSE (ON SITE)

LEARNING OBJECTIVES:

- ✓ EV Familiarization & Troubleshooting
- ✓ Vehicle Testing & Diagnostics
- ✓ Subsystems & Service Tools

5-DAY COURSE (LIGHTNING EMOTORS HQ)

LEARNING OBJECTIVES:

- ✓ EV Familiarization & Troubleshooting
- ✓ Vehicle Testing & Diagnostics
- ✓ Subsystems & Service Tools
- ✓ Powertrain Assembly Lines
- ✓ Vehicle Assembly and Commissioning
- ✓ Vehicle Assembly & Production

Pre-requisite certification:

SAE High Voltage Safety and PPE PD291807 course (<https://www.sae.org/learn/content/pd291807/>)

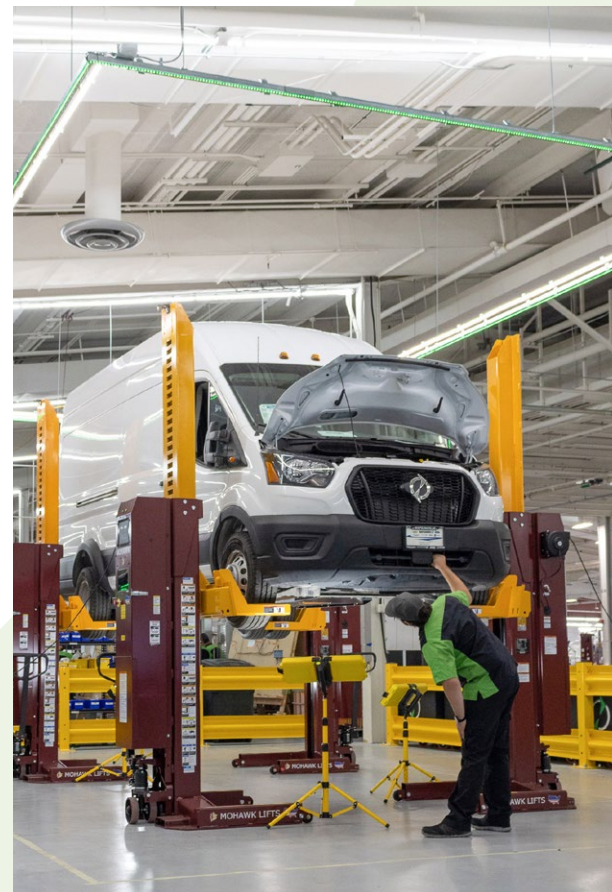
Recommended experience:

- 3+ years vehicle repair experience
- Knowledge and understanding of electrical systems
- Knowledge and understanding of coolant systems
- Knowledge and understanding of A/C refrigerant systems
- Familiarity with common automotive industry tooling

Which training is right for your team?

The 5-day training is optimal for companies who are looking for a full course on maintaining their Lightning EV fleet and current platforms, from being familiarized with EVs to full assembly, production, and diagnostic tools. Catered lunches are included accompanied by one dinner with the class and instructors. Need one more reason to choose the 5-day training at Lightning eMotors, HQ? Lightning is located in beautiful Northern Colorado, near Rocky Mountain National Park.

The 3-day training is best for companies that are looking for a less detailed but still educational course that goes over basic Lightning EV maintenance, diagnostic and servicing. If you'd prefer a Lightning eMotors expert to come to your facility to train specifically to your single platform, this may also be the course for you.



Call us at (+1) 970-744-4926
or email support@lightningemotors.com

3-DAY TRAINING ON SITE

DAY 1: CLASSROOM

Class introduction
Electric vehicle overview
Components
Subsystems
Electric vehicle voltage safety systems
Electrical troubleshooting and familiarization

DAY 2: CLASSROOM AND ON VEHICLE

Day 1 review
Typical procedures
Review of presented materials
Familiarization test drives
Service tool laptop introduction and setup
Introduce failures on vehicle for students to diagnose

DAY 3: ON VEHICLE

Day 2 review
Failures and diagnostic process
Review subsystems and laptop setup
Introduce failures on vehicle for students to diagnose
Wrap up and survey

5-DAY TRAINING AT LIGHTNING HQ, CO

DAY 1: CLASSROOM

Class introduction
Electric vehicle overview
Components
Subsystems
Electric vehicle voltage safety systems
Electrical troubleshooting and familiarization

DAY 2: CLASSROOM AND ON VEHICLE

Day 1 review
Typical Procedures
Review of presented materials
Familiarization test drives
Service tool laptop introduction and setup
Practice performing typical procedures

DAY 3: POWERTRAIN AND VEHICLE ASSEMBLY

Work with Production crew assembling powertrains including:

- Order of assembly
- Quality checkpoints
- Pre-commissioning of components/subsystems

Work with the Vehicle Assembly crew installing powertrains including:

- Engine bay and underbody install
 - Dash and interior install
 - Quality checkpoints
 - Fluid fill procedures
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DAY 4: VEHICLE COMMISSIONING

Work with technicians to understand the commissioning process

DAY 5: ON VEHICLE

Review subsystems and laptop setup
Introduce failures on vehicle for students to diagnose