



Ambulance Remount & Upfit Technician

Join a Growing Team with Unlimited Opportunity

Advantage Fleet is a rapidly growing heavy-duty truck repair, fleet maintenance, emergency vehicle, towing, fabrication, and specialty vehicle company serving customers throughout Michigan. As our ambulance remount and emergency vehicle capabilities continue to expand, we are looking to add a skilled and motivated **Ambulance Remount & Upfit Technician** to our team.

This position is responsible for the remounting, refurbishment, modification, and upfitting of ambulances and other emergency response vehicles. Technicians in this role work across multiple trades, including electrical systems, fabrication, mechanical assembly, HVAC, vehicle integration, and final quality control.

If you take pride in your craftsmanship, enjoy building highly customized vehicles, and want to work on projects where quality and attention to detail matter, we want to hear from you.

What You'll Do

Ambulance Remounting

- Perform complete ambulance remounts from beginning to final completion
- Remove ambulance modules from existing chassis and prepare modules for installation onto new or refurbished chassis
- Install and properly secure ambulance modules onto replacement chassis
- Disassemble, inspect, repair, refurbish, and reinstall components during the remount process
- Modify mounting systems, brackets, supports, wiring, plumbing, and related components as necessary
- Perform chassis and module modifications required for proper fitment and integration
- Inspect existing components and identify items requiring repair or replacement
- Ensure completed installations meet applicable manufacturer, customer, company, and regulatory requirements

Emergency Vehicle Upfitting

- Install and integrate emergency vehicle equipment and accessories
- Install warning lights, lightbars, scene lighting, and exterior lighting systems
- Install sirens, speakers, and warning equipment
- Install switch panels and vehicle control systems
- Install inverters, converters, batteries, chargers, and power distribution systems
- Install camera and monitoring systems
- Install radios, antennas, communication equipment, and related components
- Install customer-specific equipment and accessories
- Install medical equipment mounting systems and specialty storage solutions
- Configure equipment installations according to customer specifications and build requirements



Electrical Systems

- Install, diagnose, modify, and repair 12-volt electrical systems
- Troubleshoot electrical faults, wiring concerns, shorts, open circuits, and component failures
- Install wiring harnesses, relays, circuit protection, switches, connectors, and power distribution components
- Integrate chassis electrical systems with ambulance module electrical systems
- Diagnose and repair multiplex electrical and control systems
- Read and interpret wiring diagrams, schematics, manufacturer documentation, and build sheets
- Properly route, secure, terminate, label, and protect wiring
- Test electrical circuits and equipment following installation
- Verify proper operation of warning lights, scene lighting, interior lighting, control systems, communication equipment, and auxiliary accessories
- Maintain clean, professional, and serviceable wiring practices throughout each build

Fabrication and Modification

- Perform fabrication and modification work involving aluminum, steel, stainless steel, and composite materials
- Fabricate brackets, mounts, panels, supports, and other custom components
- Modify existing components to accommodate new chassis configurations or equipment installations
- Perform welding and metalworking as required
- Safely operate welders, grinders, saws, drills, fabrication equipment, and other shop tools
- Measure, cut, drill, fit, and assemble components accurately
- Read and interpret blueprints, drawings, measurements, and fabrication plans
- Maintain a high level of fit and finish on visible and structural components

Interior and Module Refurbishment

- Remove and reinstall ambulance interior components as required
- Install and repair cabinetry, doors, drawers, storage compartments, and interior panels
- Install flooring and interior trim components
- Install seating, restraints, and related hardware
- Install medical equipment mounting systems
- Repair or replace damaged interior components
- Modify storage and equipment configurations according to customer requirements
- Ensure interior components are properly secured and professionally finished
- Inspect completed interior work for fit, finish, functionality, and cleanliness

Mechanical and Auxiliary Systems

- Diagnose and repair mechanical and auxiliary systems associated with ambulance modules and chassis
- Install and repair HVAC components and related systems
- Diagnose and repair heating and air conditioning concerns as required



- Perform hydraulic and pneumatic installation or repair work when applicable
- Install and repair pumps, hoses, valves, fittings, and related equipment when required
- Diagnose auxiliary power and charging system concerns
- Assist with chassis-related modifications and mechanical repairs necessary during the remount process
- Troubleshoot system integration concerns between the chassis and ambulance module

Quality Control and Final Inspection

Quality and safety are critical when building and servicing emergency response vehicles.

Technicians are expected to:

- Perform detailed inspections throughout the remount and upfit process
- Verify all components are properly installed and secured
- Test electrical, lighting, communication, HVAC, and auxiliary systems
- Verify proper operation of installed equipment
- Inspect wiring, mounting hardware, fabrication work, and component installation
- Identify and correct workmanship or functionality concerns before the vehicle is considered complete
- Review build specifications and customer requirements before final completion
- Assist with final quality control inspections
- Correct deficiencies identified during inspection
- Ensure completed vehicles are clean, organized, and professionally presented to the customer

Documentation and Project Responsibilities

- Accurately document labor operations, repairs, modifications, and work performed
- Record parts and materials used on each project
- Maintain accurate repair and production notes using company software
- Review work instructions, build sheets, specifications, and customer requests
- Communicate parts or material needs to management and appropriate staff
- Identify potential project delays or concerns and communicate them promptly
- Work closely with management, production staff, parts personnel, and other technicians to meet project timelines
- Assist with troubleshooting and warranty-related repairs when necessary
- Maintain tools, equipment, and assigned work areas in a clean and organized condition
- Protect customer vehicles, equipment, and property throughout the build process

What We're Looking For

- Must be 18 years of age or older
- High school diploma or GED equivalent
- Valid driver's license required
- CDL preferred but not required
- Previous experience in ambulance remounting, emergency vehicle upfitting, heavy-duty truck equipment installation, automotive electrical, fabrication, or a related mechanical field preferred
- Strong mechanical aptitude

- Strong knowledge of 12-volt electrical systems and proper wiring practices
- Ability to diagnose electrical and mechanical concerns
- Ability to read wiring diagrams, schematics, blueprints, build sheets, and technical instructions
- Ability to safely operate hand tools, power tools, fabrication equipment, and shop machinery
- Welding and fabrication experience preferred
- Strong problem-solving and troubleshooting abilities
- Strong attention to detail and commitment to quality workmanship
- Ability to accurately measure, fabricate, assemble, and install components
- Strong organizational and time management skills
- Ability to manage multiple responsibilities while maintaining quality
- Ability to work independently with limited supervision
- Ability to work effectively as part of a team
- Self-motivated with a strong work ethic and sense of urgency
- Strong communication and interpersonal skills
- Computer competency and willingness to learn company software
- Commitment to following company safety procedures and maintaining a safe work environment

Preferred Experience

Experience working with any of the following is beneficial:

- Ambulance remounting and refurbishment
- Emergency vehicle upfitting
- Fire apparatus equipment installation
- Wheeled Coach, Horton, Medix, Braun, AEV, Road Rescue, or similar ambulance manufacturers
- Multiplex electrical and control systems
- Emergency warning and lighting systems
- Heavy-duty and commercial truck chassis
- HVAC systems
- Aluminum fabrication and repair
- Automotive and emergency vehicle electrical systems
- Custom vehicle wiring and equipment integration
- Specialty vehicle fabrication

Working Conditions

This position is performed primarily in a shop environment and may involve exposure to:

- Heavy trucks and emergency vehicles
- Moving vehicles and machinery
- Power tools and fabrication equipment
- Welding and grinding operations
- Electrical systems
- Noise
- Dust



- Fumes
- Oils, lubricants, adhesives, and other shop materials
- Confined vehicle interior spaces

Employees are expected to follow all company safety procedures, use required personal protective equipment, and maintain safe working practices at all times.

Physical Requirements

This position requires the ability to:

- Stand and walk for extended periods
- Bend, stoop, crouch, kneel, and crawl regularly
- Work inside ambulance modules and other confined areas
- Climb into and out of emergency vehicles regularly
- Work underneath and around vehicles when necessary
- Use hand tools and power tools for extended periods
- Lift and carry parts, tools, equipment, and materials weighing up to 75 pounds
- Push, pull, position, and install vehicle components
- Perform physically demanding fabrication and assembly work throughout the workday

What Success Looks Like

A successful Ambulance Remount & Upfit Technician takes pride in producing emergency vehicles that are safe, reliable, functional, and professionally finished.

These are not ordinary production vehicles. Ambulances contain complex electrical systems, specialized equipment, custom cabinetry, HVAC systems, emergency lighting, communications equipment, and other components that must work together correctly when the vehicle is placed into service.

Success requires attention to detail throughout every stage of the build. Technicians are expected to identify problems, develop solutions, perform quality workmanship, properly document their work, and verify that systems function correctly before a vehicle leaves our facility.

The finished product should represent the quality of workmanship expected from Advantage Fleet and provide our emergency service customers with a vehicle they can depend on.

Growth and Development

Advantage Fleet encourages employees to continue developing their skills in ambulance remounting, emergency vehicle systems, electrical diagnostics, fabrication, vehicle integration, and specialty vehicle construction.

Employees in this position have the opportunity to develop experience across multiple technical disciplines and work on increasingly complex emergency vehicle projects.

Technicians who demonstrate strong technical ability, dependability, quality workmanship, leadership, and a commitment to continued development may have opportunities for additional responsibilities and advancement as Advantage Fleet continues to grow.



We encourage employees to establish both professional and personal goals and take advantage of opportunities to expand their knowledge and capabilities.

Performance Reviews

Employee performance and progression will be reviewed periodically, with a formal performance review conducted annually. Reviews will evaluate quality of workmanship, productivity, technical development, electrical and fabrication ability, documentation, attendance, safety, teamwork, project completion, professionalism, and overall contribution to the department and company.

Employment with Advantage Fleet is at will, meaning either the employee or Advantage Fleet may terminate the employment relationship at any time, with or without cause or notice, subject to applicable law.