

Module #5

CORE AMBULANCE FUNCTIONS: OPERATION, LOGIC & DIAGNOSTICS

Core systems deep dive: essential functions logic explained

- Audience: Intermediate-level techs responsible for diagnostics or system management
- Level: Advanced
- Prerequisite: Module #2 and Module #3, plus Module 4 recommended
- Duration: 2 hours
- Location: At your facility, at the OEM plant, or online (webinar)

Curriculum

Core components

- Isolator / SSR
- Inverter
- Fast Idle

System behaviours

- Charging and shore power behaviours
- ECO feature logic (anti-idle) and activation triggers
- Antitheft logic and system interactions

Diagnostic best practices

- Testing and validating system operation
- Understanding programmable conditions and dependencies

Key Takeaways

Participants will develop a deep, functional understanding of the ambulance's core systems. This knowledge allows technicians to interpret system behaviours accurately, diagnose unexpected conditions with confidence, and verify that features perform as intended after service. By mastering the logic behind each function, technicians minimize guesswork and ensure reliable vehicle performance.



Official certification
at the end of the session.

**Get OEM know-how.
Make the right call.**

Enroll your team

1-800-363-7591



Course content and curriculum are subject to change without notice and may be customized based on customer requirements. This module may be delivered individually or combined with other modules as part of a customized training program. For more information, please contact your Customer Care Specialist.

Demers Ambulances, Crestline Ambulances Customer Care Training Program
Last modification - Jan 2026 - Canada