

HANDS-ON REPAIR

AMYLOR POWER CHAIR TECHNICAL EDUCATION

FIELD PROFICIENCY MISSION

This is a 100% practical session. Our goal is to simulate the most frequent "Top 10" service calls and perform live diagnostics and repairs. No classrooms, just chairs and tools.

🕒 TODAY'S TIMELINE (9:30 - 2:30)

09:30

Live Fault Identification

Unpacking the Top 10 Field Issues on demo units. Identify the symptom before touching the tools.

10:45

Symptom vs. Root Cause

Practical testing: Is it the battery, the harness, or the motor? Hands-on load testing and multi-meter verification.

11:15

Networking Lunch

45-Minute Break. Informal Q&A.

12:00

The "Amylor Workshop"

Physical repair of stuck actuators, seat-limit overrides, and anti-flutter kit installation.

01:00

Dead Chair Challenge

The 90-minute proficiency exam. Find the planted bug, fix it, and return to service.

TOOLS REQUIRED

- Multi-meter (Digital)
- Dongle & PP1 Programmer
- Metric Hex Key Set

SUPPORT REFERENCE

Hours: Mon-Fri 8am-6pm

Have Serial # Ready

THE "TOP 10" DIAGNOSTIC GUIDE

Master these 10 scenarios to resolve 90% of field service calls without parts-swapping.

1. Intermittent Drive Loss

Check for loose battery terminal connections or oxidized harness pins.

2. No Seat Functions

Verify limit switch alignment. Ensure harness hasn't snagged at the pivot.

3. Stuck Tilt Actuator

Isolate mechanical bind. Test with external power to verify motor health.

4. Front Caster Flutter

Inspect caster barrel tension. Apply anti-flutter kit if play is detected.

5. Battery "False Full"

Perform a drop test under load. Voltage may read 24V+ idle but drop <18V.

6. Brake Error (7 Flashes)

Verify free-wheel levers are fully engaged. Check motor brake resistance.

7. Joystick Not Responding

Inspect the bus cable for pinched wires in the armrest pivot.

8. Speed Limited to 10%

Chair is in "inhibited" mode. Check seat height and tilt sensors.

9. Grinding Noise (Drive)

Check motor mounting bolts and keyway integrity on the axle.

10. Software Mismatch

Verify RNSS file version. Program only after hardware is verified.

DEAD CHAIR PROFICIENCY CHECKLIST

- Step 1: Visual Inspection (Harnesses & Levers)
- Step 2: Voltage Check (Batteries & Actuator Input)
- Step 3: Fault Code Analysis (PP1/Dongle)
- Step 4: Mechanical Fix (Anti-flutter/Actuator Swap)
- Step 5: Final Drive & Seating Validation