



INVACARE SERVICE & PARTS

2009 ISP Technical Education Program Course #2 Outline

BASIC POWER WHEELCHAIR TROUBLESHOOTING & PROGRAMMING

8:30 – 8:45	Introduction to Program	Instructor Introduction Attendee Introduction (name, experience) Outline the Days Events
8:45 – 9:00	Who to Call? Testing Tools/Service Manuals Multimeter use	Review Phone #'s Go over Tool List Review New Info Review Importance
9:00 – 10:00	Batteries Hook up batteries to unit Test voltage through Driver control	Review Sizes / Safety How are they connected How they work Field Test Procedures
10:00 – 10:15	Morning Break	
10:15 – 10:45	Charging/Wiring Hook up Charger to unit Test voltage at battery connection	Rules of Charging Chargers Start-up / Cut-off voltage Charging times Charger Diagnostics What consumers need to know? Wiring Harness Inspection / Testing
11:15 – 12:00	Motor Circuit Troubleshooting Hook up motors and test function Test resistance at motor / brake	Motor Identification 2 / 4 pole Motor Theory Motor Components Identification Component Inspection / Testing GB Motor Theory GB Issues/Calibration
Noon – 1:00	Lunch	
1:00 – 1:30	Consumer (NX) Electronics Hook up SPJ+ / Test Function	Component Review Function Theory MK6i Programmer
1:30 – 2:30	Hands On Programming Hook up MK6i Programmer	Programs Menu / Define Performance Adj Menu / Define Others Menu / Define MPJ+ Upgrade
2:30 – 2:45	Afternoon Break	
3:00 – 3:30	Error Code Review Use MK6i Programmer	MKIV / MK5 Error Codes MK5 GB Error Codes MK6i Error Codes MK6i GB Error Codes
3:30 – 4:00	Review and Close	Questions Comments

Please register with us at www.invacare.com, and go to the "Technical Zone".