

Everyday Wheelchair Maintenance Basics

About My Chair

Make/Model: _____

Purchased From _____

Purchase Date _____

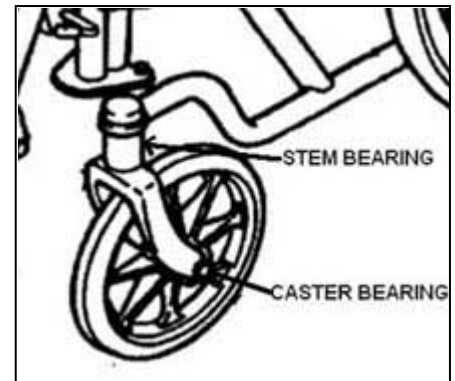


FASTENERS -loose fasteners can cause premature wear, frame damage, and equipment failure

	#	Tool needed	Location	Refer for Repair
Headrest		AllenWrench__ CrescentWrench__ Screwdriver__ WD40__		
Back		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Seat		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Armrest		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Lapbelt		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Lateral supports		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Legrest		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Footplate		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Frame		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Wheels		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Brakes		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		
Joystick		AllenWrench__ CrescentWrench__ Screw driver__ WD40__		

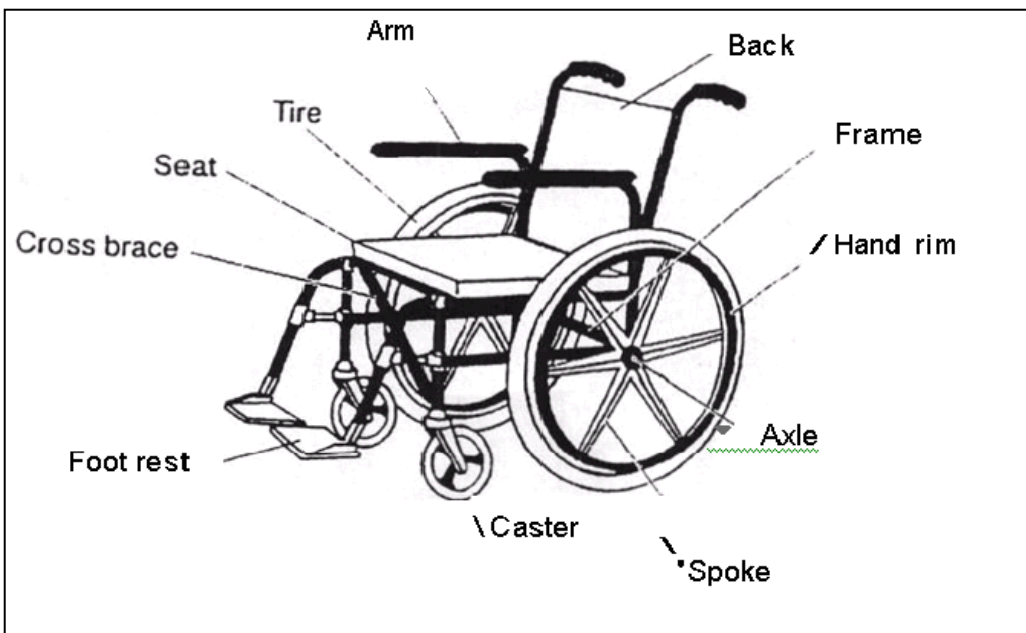
LUBRICATION -too little lubrication can cause premature wear and equipment failure – forcing can cause breakage

	Lubrication Point
Headrest	Bracket
Back	Recline/tilt feature
Legrests	Elevating
Footrests	Footplates at pipe
Wheels	Sealed Bearings – refer for repacking
Armrest - removable	Pipe into frame



**WHEELS/TIRES–Underinflated tires brake failure. Tires will wear out faster. Difficult to roll
Frame or wheel damage. Risk of being stranded.**

	Poly – solid no air	Tube/Nummatic - air
Front	Cracks, pieces missing, crumbling, leaking powder - replace	Check side of tire for psi PSI ____
Back	Cracks, pieces missing, crumbling, leaking powder - replace	Check side of tire for psi PSI ____
Middle	Cracks, pieces missing, crumbling, leaking powder - replace	Check side of tire for psi PSI ____
Tipper	same	n/a



Note: Check for hair and thread wrapped at wheels, axle

CUSHIONS/LATERRAL SUPPORTS -worn or damaged cushions and supports can cause skin breakdown

Check for the appropriate:
Rebound__ Inflation__
Crumbling foam__
Damaged Upholstery__

POWER CONNECTIONS - Must be properly engaged to ensure motors will run. Typical causes of problems generally relate to battery terminals, wiring and brakes.

Note: Battery terminals contain lead - wash your hands after touching

Inspect	Process	Number	Tool	Location	Refer for repair
Battery Terminal	Check not loose - wiggle test		Hand		Replace if loose
Battery Terminal Corrosion	Check for build up/remove terminal/brush off		Hand		Unable to be removed
Wiring harness - Corrosion	Disconnect - wipe off		Wire brush		
Wiring connected	Line up pins/press together Wear on wires		Hand		Broken pins or bare wire
Brakes are engaged/Powering on	Locate press/pull/turn – must turn on in proper sequence for the chair Turn off, power on, reset if applies, brakes engaged		Hand		Brakes don't move/lock

BATTERY CARE TIPS

Keep terminals clean
Do not over charge
Do not allow to remain without a charge
Keep away from open flame
Replace batteries with cracks or bulges

Battery Type _____
Batteries _____
Date Replaced _____
Charging Cycle _____



Batteries Charging	Process	Location	Refer for repair
Port/connection	Locate charging port or on board charger on the chair - refer to manual. Some charging ports look the same as the programming port - sometimes they are one in the same. Check manual/manufacturer for location		If charging cycle does not start – disconnect and reconnect charging cord
Charger	Use correct charger, preferably the one that came with your chair. Need to be the correct amps, check manual or with manufacturer. (3-10 amps is typical)		Does not charge
Power Position	Check manual to see if chair needs to be on in order for charging to occur		Does not charge

NOTE – E&J uses a specific charger as the polarity is reversed. Plugs look the same but are not! Incorrect charger will damage chair

“Everyday Wheelchair Maintenance Basics” materials developed in partnership with the Wheelchair Recycling-Mobility Store, Badger State Industries and Independence*First*.

Wheelchair Recycling-Mobility Store,
12040 West Feerick Street Unit N, Wauwatosa, WI 53222
414-988-5333
www.wrp.org

Independence*First*
540 S 1st Street, Milwaukee, WI 53204
414-291-7520
www.independencefirst.org

RESOURCES FOR MAINTENANCE AND REPAIR:

DME Dealer-repair

Hardware store - Screws, bolts, nuts, tools

Dollar store- Tools, wire brush, lubricant

Bike shop- Tires, brakes

Funded in part by the Centers for Medicare and Medicaid Services, Medicaid Infrastructure Grant (MIG), CFDA No. 93.768 Wisconsin Department of Health Services/Office of Independence and Employment/Pathways to Independence

Additional wheelchair maintenance training and video resources, as developed by Jay Martin – UW Madison are available. <http://www.atresourcecenter.org/video/index.html>