

**4931 N Manufacturing Way, Coeur d'Alene, ID 83815**

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www.wheelchairs.com**

**FAX, PHONE IN OR MAIL COMPLETED FORM TO 21<sup>st</sup> Century SCIENTIFIC Inc.**

**This is an order! Our PO No:** \_\_\_\_\_  **This is a Quotation Request Only**

<b>Ship To:</b>	<b>Bill To:</b>
Company: _____	Company: _____
Address: _____	Address: _____
City: _____ State: _____ Zip: _____	City: _____ State: _____ Zip: _____
Attention: _____	Attention: _____
Phone: _____ FAX: _____	Phone: _____ FAX: _____

# BOUNDER 450 POWER WHEELCHAIR

**User Data:**

Name: \_\_\_\_\_ Ht: \_\_\_ ' \_\_\_ " Wt: \_\_\_ lb. D.O.B.: \_\_\_\_\_ Disability: \_\_\_\_\_

**Driving Skills:** good fair poor      **Eye-To-Hand Coordination:** good fair poor

**Judgment:** good fair poor      **Equipment Usage:** light typical heavy abusive

**Aggressiveness:** timid typical hot rodder      **Must Operate:** on thick carpets in rain and/or snow on steep hills

**Previous Chair Make & Model:** \_\_\_\_\_

**Other Information:** \_\_\_\_\_

**New Chair Data:**

**Seat Width..:** \_\_\_\_\_ "      **Seat Depth.....:** \_\_\_\_\_ "      **Seat Height.....:** \_\_\_\_\_ "

**Back Height:** \_\_\_\_\_ "      **Max Overall Width:** \_\_\_\_\_ "      **Max Overall Length:** \_\_\_\_\_ "

**Desired Top Speed Of New Chair:** \_\_\_\_\_      **Power Seating Needed:** Recline Tilt Elevate Other

**Other Notes:** \_\_\_\_\_

**INSTRUCTIONS FOR FILLING OUT THIS FORM:**  
Thank you for choosing 21<sup>st</sup> Century SCIENTIFIC, Inc. Since our products tend to be custom, this order/quote form is very detailed. As you complete this form, you will be specifying each parameter of the equipment to be ordered. Accordingly, be patient and review each section carefully. No charge and standard items are usually located near the top of each section, but not always. Check the standard items as well as the custom options in each section to make sure you have not missed anything. You may email this form to us at 21st@wheelchairs.com for review. A detailed written quote will be emailed back to you. If you need assistance filling out this form (or simply prefer us to do it for you), contact our sales department at (800) 448-3680. There is no charge for our assistance and written quotations.

HCPCS codes are not intended to be, nor should they be considered, legal or billing advice. Use of the codes does not ensure coverage or payment for the item. Always verify coverage information with the pay source, attorney or other consultant as needed.

**This Form Was Completed By:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Phone:** \_\_\_\_\_ **FAX:** \_\_\_\_\_

# BOUNDER 450 POWER WHEELCHAIR

## STANDARD FEATURES

- Independent drive wheel suspension
- For users up to 450 lb (or who are tough on equipment)
  - 20" to 28" seat widths in 1" increments
- Durable H-style TIG welded frame using 2.5"x1.5"x0.125" wall steel
  - 6.0 MPH top speed
  - LiNX electronics
- Super Torque 4 Motors & Brakes (ST4M&B)
  - Sliding dual group 24 battery box
  - 4 button LED hand control
- Smart brake release switch (for easy attendant pushing)
  - Xtra Duty adjustable suspension forks
- Xtra Duty caster barrels and suspension forks (1" fork stems & bearings ID's)
  - 9"x3.50" aluminum caster wheels
  - 13"x4.00" steel/aluminum drive wheels
  - Foam filled caster tires and drive wheel tires
    - Gray or black tires
  - 0.120" wall seat rails and back posts
    - Black powder coated frame
  - Sheet metal seat pan •70 deg swingaway footrests
- Quick adjust clutches (combination tensioner and chain release mechanism)
  - Flip-up self-supporting arms w/ standard armrest pads
    - Anti-tipping wheelie wheels
    - Fully automatic 8A charger
    - Push button seat positioning strap
- Detailed Owner's Manual •Easy to service and maintain

## POPULAR OPTIONS

- Speed package – top speeds up to 7.3 mph
  - High Speed package – top speeds up to 8.0 mph
  - High Volume Low Pressure Off-Road package
  - Front Rigging (footrests or legrests, each with many options)
    - Center Mount Footboard •Arm options •Headrests
      - R-net electronics
  - Power seating systems: recline, tilt, anterior tilt & seat elevator
    - 2 or more power seating systems combined on same chair
    - Dual independent power elevating legrests (DIPLR)
  - Power elevating, articulating center mount footboard (PEACM FB)
    - Joystick control of power seating
    - Programmer for electronics •Colored (non-black) frame
    - Specialty controls (switch controls, head arrays, etc.)
  - Frame reinforcements •Custom seat depth, seat height, back height, etc.
    - Seating & positioning options
  - Hand / chin control customizations & mounting options (many to choose from)
    - Built in taillights
  - LED Lighting package (it's 24V and bright!) •Electric horn (it's LOUD)
    - Positioning straps
    - Extended 2 or 3 year warranty
- ### WARRANTY\*
- 1 year warranty on entire chair
  - 5 year warranty on Super Torque 3 & 4 Motor & Brake drive trains\*\*
  - 5 year H-Frame base warranty •2 year H-Frame seat warranty

\* Limited warranties – some restrictions apply. See complete warranty for more information

\*\* Includes motors, brakes, drive wheels, drive wheel sprockets (chains, tires, inner tubes, flat-free inserts, motor sprockets & bearings not included)

### DRIVE TRAIN CONFIGURATION NOTE:

Top speeds above are estimated. Depending on configuration, your chair may be faster or slower. Chair configuration, patient weight, tire choices and battery condition can affect the chair's top speed.

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IF \* SEE NOTE LISTED BY STOCK NUMBER ON LAST PAGES

Part Number	Stock Qty Number	Part Description	Suggested Retail Price
<b>BASE CONFIGURATION</b>			
<b>BOUNDER 450</b>			
* B450	___ B013A	BOUNDER 450 Power Wheelchair only, no power seating	\$12,995.00
* B450S	___ B013B	BOUNDER 450 Power Wheelchair, single power seating option	\$10,995.00
* B450M	___ B013C	BOUNDER 450 Power Wheelchair, multiple power seating options	\$9,995.00
<b>CONSTRUCTION OPTIONS</b>			
<b>BASE WIDTH</b>			
* STD BASE WIDTH	___ B151	Standard base width (overall width: see notes)	<b>Standard</b>
* WIDE BASE WIDTH	___ B151W	Wide base width (28.5" overall width)	No Charge
<b>BASE LENGTH</b>			
* SHORT BASE	___ B202	Short H-Frame power base	<b>Standard</b>
* LONG BASE NC	___ B203N	Long H-Frame power base (no charge)	No Charge
<b>SUSPENSION</b>			
IDWS NC	___ B209B	Independent drive wheel suspension, no charge	<b>Standard</b>
* GRAY IDWS SPRINGS	___ B209E	Gray IDWS springs (for users up to 400 lb)	No Charge
* BLACK IDWS SPRING	___ B209F	Black IDWS springs (for users 401 lb and greater)	No Charge
<b>SPECIAL PURPOSE</b>			
* HVLP OR	___ B210A	High Volume, Low Pressure Off-Road package	\$695.00
B450 SP	___ B210DB	Speed Package, top speed between 6.4 and 7.0 mph	\$420.00
<b>* 21st POWER SEATING SYSTEMS</b>			
* PRS 80	___ B301A	80 degree power recline system (E1003)	\$5,750.00
* PRS 40	___ B301B	40 degree power recline system (E1003)	\$5,750.00
* SBPRS 70	___ B303A	70 degree sliding back power recline system (E1004)	\$6,900.00
* SBPRS 40	___ B303B	40 degree sliding back power recline system (E1004)	\$6,900.00
* PTS 50	___ B305A	50 degree power tilt system (E1002)	\$5,750.00
* PTS 30	___ B305B	30 degree power tilt system (E1002)	\$5,750.00
* APTS 20	___ B306A	20 degree anterior (reverse) power tilt system	\$5,750.00
* PSE2 8	___ B308B	Power seat elevator 2 (8" vert rise)(E2300)	\$5,980.00
* SBPRS PTS	___ B324	Sliding back power recline & power tilt (E1007)	\$9,995.00
<b>POWER SEATING OPTIONS, HEAVY DUTY UPGRADES &amp; LOCKOUTS</b>			
<b>BASE COLOR</b>			
BLACK	___ B4001	Standard black powder coat	<b>Standard</b>
RED	___ B4002	Red powder coat	\$125.00
BLUE	___ B4003	Blue powder coat	\$125.00
DARK GREEN	___ B4004	Dark green powder coat	\$125.00
YELLOW	___ B4005	Yellow powder coat	\$125.00
LIGHT GRAY	___ B4006	Light gray powder coat	\$125.00
WHITE	___ B4007	White powder coat	\$125.00
TEAL	___ B4008	Teal powder coat	\$125.00
LAVENDER	___ B4009	Lavender powder coat	\$125.00

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Part Number	Stock Qty Number	Part Description	Suggested Retail Price
PINK	___ B4010	Pink powder coat	\$125.00
* CUS PC	___ B4021	Custom powder coat color	\$442.00
* NON-BLACK SAF	___ B4046	Paint seat, arms and front rigging same color as rest of chair	\$380.00
<b>FRAME REINFORCEMENTS</b>			
* SBP	___ B4109	Solid backposts	\$980.00
* CBPT	___ B4113	Cross strut between backpost handle tips	\$170.00
<b>REAR WHEEL OFFSET (RWO)</b>			
* STD RWO	___ B4301	Standard rear wheel offset	<b>Standard</b>
* CRWO	___ B4302	Custom rear wheel offset	\$632.00
<b>SEAT DEPTH</b>			
STD SD	___ B4421N	Bounder standard seat depth (16"-22")(specify depth: _____)	<b>Standard</b>
<b>SEAT WIDTH</b>			
B450 STD SW	___ B4521C	Standard B450 seat width (20"-28") (specify width: _____)	<b>Standard</b>
<b>* SEAT HEIGHT</b>			
STD SH	___ B4601M	Bounder standard seat height ___ 19" ___ 20" ___ 21"	<b>Standard</b>
<b>BACKPOST STYLE &amp; HEIGHT</b>			
STD S945 BH	___ B4701R	Standard straight backpost height, 94.5 deg ___ 18" ___ 20" ___ 22" ___ 24"	<b>Standard</b>
* CUS BH	___ B4709	Custom 90 deg back height w/ 7 deg bend (15"-24") (specify height: _____)	\$805.00
* CBHASBA	___ B4712	Custom back height w/ adj seat-to-back angle (20 deg of adj)(specify height: _____) ___ 90 ___ 95 ___ 100 ___ 105 ___ 110	\$1,207.50
<b>HEADRESTS</b>			
ACPHR MB&H	___ B4802D	Adjustable center post headrest mounting bracket and hardware (less pad)(E1028)	\$258.00
ACPHR PAD	___ B4802E	Curved foam pad for adjustable center post headrest (E0955)	\$225.00
<b>FRONT RIGGING</b>			
FR70 NC	___ B5001N	70 deg swingaway footrests	<b>Standard</b>
* FR60	___ B5002	60 deg swingaway footrests	\$290.00
FR80	___ B5003E	80 deg swingaway footrests	\$443.00
* FR90	___ B5004	90 deg swingaway footrests	\$443.00
* LRL	___ B5005	Low profile elevating legrests (E0990)	\$443.00
* LRH	___ B5007	High profile (gooseneck) elevating legrests (E0990)	\$443.00
* LRH90	___ B50079	90 degree high profile elevating legrests	\$575.00
* DIPLR	___ B5008	Dual indep pwr elev legrest mechanisms (actuators, sw box, legrests) (E1010)	\$2,760.00
* DIPLR HD	___ B5009	Heavy duty dual indep power elev legrests (actuators, sw box, legrests w/ RLR)	\$3,220.00
* RFR	___ B5014	Reinforced footrests (footrests not included)	\$460.00
* RLR	___ B5016	Reinforced elevating legrests (LRL or LRH not included)	\$575.00
* OFFSET FR	___ B5018	Offset front rigging (specify offset)	\$380.00
* TAPER FR	___ B5019	Tapered front rigging (specify taper)	\$506.00
CP ON FR	___ B5020	Install calf pads on footrests	\$253.00
* QRL	___ B5023	Quad release levers	\$89.00
CUS SFP FLIP UP	___ B5030	Custom flip-up steel footplates (specify size)(order	\$322.00

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		heel loops separately)	
OFF	___ B5031	Oversized footplates (less heel loops)	\$207.00
OFF HL	___ B5031H	Oversized footplates w/ heel loops	\$218.50
* CUS CM FB	___ B5035	Custom center mount, angle adjustable footboard	Call Factory
CUS PEACM FB	___ B5036E	Custom power elevating, articulating center mount footboard	Call Factory
* FPHL	___ B5041	Heel loops	\$51.00
* FPAS	___ B5042	Ankle straps	\$89.00
* FPTL	___ B5043	Pair of toe loops	\$89.00
SLS	___ B5044	Single leg (calf) strap, black w/ velcro	\$51.00
HLS	___ B5045	H-type leg (calf) strap, black w/ velcro	\$76.00
STD CALF PADS	___ B5046	Std calf pads (Naugahyde only) (only w/ LRL, LRLH, CP ON FR or CUS PEACM FB)	No Charge
* CALF FLAT	___ B5047	Flat calf pads	\$152.00
CALF TROUGH	___ B5048	Trough calf pads	\$222.00
CALF CUSTOM	___ B5049	Custom calf pads	Call Factory
RCPM	___ B5050	Recessed calf pad mounts (specify 1" or 2")	\$253.00
CCPM	___ B5051	Custom calf pad mounts	Call Factory
FPRB2	___ B5053	Roller wheel bumpers (2.5" dia wheels mounted under footplates)	\$95.00
RFPE	___ B5062	Reduced footplate extension and adjustment range	\$460.00
AAFP	___ B5072	Angle adjustable front rigging extensions	\$270.00
CFR	___ B5081	Custom front rigging	Call Factory
NFR	___ B5092	No front rigging	No Charge
<b>ARMS</b>			
DL SS ARM	___ B5101D	Desk length self supporting (cantilever) arms	<b>Standard</b>
FL SS ARM	___ B5101E	Full length self supporting (cantilever) arms	No Charge
DL ART ARM	___ B5101R	Desk length articulating arms	No Charge
FL ART ARM	___ B5101T	Full length articulating arms	No Charge
DLADA	___ B5103	Desk length adjustable detachable dual post arms (E0973)	\$265.00
FLADA	___ B5105	Full length adjustable detachable dual post arms (E0973)	\$265.00
FLIP UP ARMS	___ B5107	Add flip up to DLADA or FLADA	\$380.00
* DL SL ARM	___ B5110	Desk length sliding arms	\$570.00
* FL SL ARM	___ B5111	Full length sliding arms	\$570.00
* DL SS ADJ ARM CS	___ B5112C	Desk length self-supporting adj arms for captain's seat	\$630.00
* DL SS ART ARM	___ B5112R	Desk length self-supporting adj articulating arms	\$690.00
DL SS ART ARM CS	___ B5112S	Desk length self-supporting adj articulating arms for captain's seat	\$690.00
* FL SS ADJ ARM CS	___ B5113C	Full length self-supporting adj arms for captain's seat	\$630.00
* FL SS ART ARM	___ B5113R	Full length self-supporting adj articulating arms	\$690.00
FL SS ART ARM CS	___ B5113S	Full length self-supporting adj articulating arms, for captain's seat	\$690.00
* RAT	___ B5131	Reinforced arm tips	\$125.00
CAH	___ B5132	Custom arm height	\$460.00
* CAD	___ B5133	Custom arm depth	\$172.50
* CARMS	___ B5134	Custom arms	Call Factory
<b>ARMREST PADS</b>			
* STD ARMREST PADS	___ B5141	Std upholstered armrest pads	<b>Standard</b>
* WATERFALL ARP	___ B5142	Waterfall armrest pads	\$95.00
* TROUGH ARP	___ B5143	Trough armrest pads	\$278.00
* FLAT ARP	___ B5144	3.5" wide flat armrest pads	\$176.00
* NARROW FLAT ARP	___ B5145	2" wide narrow flat armrest pads	\$125.00
CARP	___ B5146	Custom armrest pads	Call Factory

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Part Number	Stock Qty Number	Part Description	Suggested Retail Price
<b>WHEELCHAIR SEATS &amp; SEAT CUSHIONS</b>			
SMP SEAT	___ B5205	Flat powder coated sheet metal pan seat	<b>Standard</b>
* SMP SEAT CUSHION	___ B5242	Upholstered foam seat cushion (up to 3"; specify thickness: _____)	\$253.00
CUS CAPT SEAT	___ B5251	Custom captain's seat	Call Factory
* SPEC SEAT FOAM	___ B5262A	Special seat foam (Pudgee, Sunmate, etc.)(each 1/2" thickness)	Call Factory
CSSC	___ B5263	Custom seat or seat cushion	Call Factory
* CC M2-SA SEAT CUSH	___ B5270D	Comfort Company M2 positioning gel seat cushion, 22" or 24" wide (E2608)	\$450.00
* CC AJX-S SEAT CUSH	___ B5270H	Comfort Company Adjuster O2 seat cushion w/ Vicare Tech, 22" and wider (E2623)	\$795.00
NO SEAT CUSHION	___ B5271	No seat cushion supplied	No Charge
<b>WHEELCHAIR BACKS &amp; BACK CUSHIONS</b>			
STD NB	___ B5302	No back supplied or attached to backposts	<b>Standard</b>
SMPB CURVED ADJ	___ B5333	Curved sheet metal pan back w/ adj brackets	\$506.00
* SMP BACK CUSHION	___ B5342	Upholstered foam back cushion (up to 2"; specify thickness: _____)	\$253.00
CUS CAPT BACK	___ B5351	Custom captain's back	Call Factory
* SPEC BACK FOAM	___ B5362A	Special back foam (Pudgee, Sunmate, etc.)(each 1/2" thickness)	Call Factory
CBBC	___ B5363	Custom back or back cushion	Call Factory
SB MOD FLAP	___ B5369	Modesty flap, velcros between seat and back upholstery	\$150.00
* CC AB-BSXXXL 22+	___ B5370D	Comfort Company Acta-Back, posterior, w/ 22"-24" wide (E2614) (specify width: _____)(specify height: _____)	\$945.00
CC COMPASS FM	___ B5370J	Comfort Company Compass flat mounting bracket (required for sbprs recline)	No Charge
<b>POSITIONING HARDWARE</b>			
GEL KNEE BUTTON	___ B5392A	pair, 4" gel knee button pad (mounts to legrest pivots)	Call Factory
LATERAL THIGH SUP	___ B5392D	Lateral foam thigh support (specify L or R & pad size)	Call Factory
LATERAL TRUNK	___ B5392	Lateral trunk support with swing away hardware (specify L or R & pad size)	Call Factory
<b>* UPHOLSTERY COLOR</b>			
STD BLACK NAUG	___ B5401	Standard black Naugahyde upholstery	<b>Standard</b>
BLACK FAB	___ B5431	Black fabric upholstery	No Charge
<b>CONTROL BOXES &amp; REMOTE DISPLAY</b>			
STD RHC	___ B6001	Right hand control	<b>Standard</b>
LHC	___ B6002	Left hand control	No Charge
<b>HAND &amp; CHIN CONTROL MOUNTS &amp; EXTENSIONS</b>			
STD HC MOUNT	___ B6111	Standard hand control mount	<b>Standard</b>
STD HC EXT	___ B6112	Standard hand control extension slide	<b>Standard</b>
* SA EXT	___ B6115	Swingaway hand control extension slide (E1028)	\$345.00
* MIDLINE HC M&E	___ B6116	Midline hand control mount & extension slide	\$442.00
* CC MOUNT	___ B6121	Chin control mount	\$506.00
* POWER CC MOUNT	___ B6122	Power chin control mount	\$1,518.00
* CC BIB MOUNT	___ B6131	Chin control bib mount (specify hard or soft collar)	\$632.00
AC MNT	___ B6143	Attendant control mount	\$185.00
CUS CTRL MOUNT	___ B6171	Custom control mount	Call Factory
* CUS EXT SLIDE	___ B6172	Custom extension slide	Call Factory

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<b>LiNX Programmable Electronics</b>			
DLX PM120	___ B6461	LiNX 100 120A non-expandable power module	<b>Standard</b>
DLX PM120AL	___ B6462	LiNX 200 120A expandable power module with actuator and light control (E2377)	\$560.00
DLX EXP HARN	___ B6463	Wiring harness for LiNX expandable power module	\$440.00
DLX BRS	___ B6464	Brake release switch for LiNX electronics	<b>Standard</b>
DLX REM110	___ B6466	LiNX drive only remote	<b>Standard</b>
DLX REM216	___ B6467	LiNX LED remote with actuator & light control	\$560.00
DLX REM400	___ B6468	LiNX remote with 3.5" color touch screen display	\$1,090.00
DLX CR400	___ B6469	LiNX compact remote module	\$1,250.00
DLX ACU200	___ B6470	LiNX attendant control unit	\$820.00
* DLX REM500	___ B6472	LiNX color touch screen display remote (requires DLX-IN500)	\$1,250.00
* DLX IN500	___ B6473	LiNX input module	\$788.00
DLX ACT200	___ B6475	LiNX actuator module for joystick control of one actuator (E2310)	\$1,380.00
DLX ACT400	___ B6476	LiNX actuator module for joystick control of multiple actuators (E2311)	\$2,760.00
DLX SW10T	___ B6479	LiNX 10 way switch module (5 actuator functions)	\$500.00
DLX GYR100	___ B6480	LiNX Gyro Module	\$995.00
DLX LAK	___ B6481	LiNX Access Key	\$340.00
<b>R-net Programmable Electronics</b>			
R-NET PM120 PM	___ B6501	Non-expandable R-net 120A power module	No Charge
R-NET PM120 EXP	___ B6502	Expandable R-net 120A power module (E2377)	\$560.00
R-NET EXP HARN	___ B6503	Wiring harness for R-net expandable power module (E2313)	\$440.00
R-NET BRS	___ B6504	Brake release switch for R-net electronics	No Charge
R-NET JSM-LED-L	___ B6506	R-net LED Joystick Module w/ light control	No Charge
R-NET CJSM-L	___ B6507	R-net LCD Joystick Module w/ color display & light control	\$995.00
R-NET CJSM2-BT	___ B6508	R-net LCD Joystick Module w/ 3.5" color display, paddle sw, bluetooth & IR	\$1,120.00
R-NET ATTENDANT	___ B6516	R-net attendant module	\$720.00
* R-NET OMNI2	___ B6520	R-net Omni2 specialty controls interface	\$1,240.00
R-NET ISM-L 1ACT	___ B6521	R-net intelgent seating module, joystick control of one actuator (E2310)	\$1,380.00
R-NET ISM-L MULTI	___ B6522	R-net 6-actuator seating module, joystick control of multiple actuators (E2311)	\$2,760.00
R-NET ASM	___ B6524	R-net advanced stability module	\$360.00
<b>DRIVE MODULE MOUNTS</b>			
BH OBMM	___ B6701A	Drive module mounted over battery box	<b>Standard</b>
* USM HF	___ B6702	Drive module mounted under wheelchair seat	No Charge
CUS DM MNT	___ B6711	Custom drive module mount	Call Factory
<b>RESPIRATOR &amp; OXYGEN BOTTLE MOUNTS</b>			
* RESP SHELF	___ B6801	Fixed position respirator shelf	\$506.00
* RESP GIMBAL SHELF	___ B6803	Gimbal-mounted respirator shelf	\$1,518.00
* RESP BBOX U1	___ B6811	Single U1 battery box mounted on shelf (specify location; for respirators)	\$506.00
RESP BAU1 GEL-CELL	___ B6812	Respirator U1 gel-cell battery	\$240.00
RESP BC12-6	___ B6813	Respirator 12.6V auto charger	\$316.00
SE O2 BOT HLD	___ B6901	Single E size oxygen bottle holder	\$632.50
DE O2 BOT HLD	___ B6902	Dual E size oxygen bottle holder	\$949.00
TE O2 BOT HLD	___ B6902T	Triple E size oxygen bottle holder	\$1,202.00
<b>MOTORS &amp; BRAKES</b>			
STD ST4M&B-M	___ B7007M	Standard super torque 4 motors and brakes, medium speed	<b>Standard</b>

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ST3M&B	___ B7003	Super torque 3 motors & brakes (requires high speed package)	No Charge
<b>DRIVE WHEEL OPTIONS</b>			
DW 13M SMOOTH	___ B7054	13"x4.00" metal drive wheels w/ smooth tires (gray only)	No Charge
DW 13M KNOBBY	___ B7055	13"x4.00" metal drive wheels w/ knobby tires	<b>Standard</b>
<b>Drive Wheel Tire and Tube Options</b>			
BH DWI HD	___ B7073N	High density airless drive wheel inserts	No Charge
DT GRAY	___ B7077	Gray drive tires	<b>Standard</b>
DT BLACK	___ B7078	Black drive tires	No Charge
* DW 14M BKT&T	___ B7084	14"x5.4" metal drive wheels, black knobby 145/70-6 pneumatic tires & tubes	No Charge
* DW 13X5M BKT&T	___ B7085	13"x5.00" metal drive wheels, black knobby, HVLP pneumatic Kenda tires & tubes	No Charge
<b>* TOP SPEED SETTINGS</b>			
* 8.0 MPH	___ B7269	8.0 mph, 313 C70 C21, high speed package required	No Charge
* 7.3 MPH	___ B7270	7.3 mph, 313 C70 C19, speed package required	No Charge
* 6.0 MPH	___ B7272	6.0 mph, 4M13 C60 C23/4M14 C60 C23	<b>Standard</b>
* 5.0 MPH	___ B7274	5.0 mph, 4M13 C70 C21/4M14 C70 C21	No Charge
<b>CASTER WHEEL &amp; FORK OPTIONS</b>			
XDCBF 9X3.50M	___ B7441X	9"x3.50" Xtra duty caster barrels, suspension forks & metal casters	<b>Standard</b>
<b>Caster Tire &amp; Tube Options</b>			
BH FFCW HD	___ B7483N	High density flat-free caster tires	No Charge
CT GRAY	___ B7484	Gray caster tires	<b>Standard</b>
CT BLACK	___ B7485	Black caster tires	No Charge
FS COPPER	___ B7497C	Copper color fork springs	<b>Standard</b>
<b>VEHICLE TIEDOWNS</b>			
* 4P TD	___ B7604	4-Point wheelchair transport tiedown	\$506.00
<b>BATTERY BOXES</b>			
BBOXD24	___ B7713B	Dual group 24 sliding battery box	<b>Standard</b>
<b>BATTERIES</b>			
BA24 GEL-CELL	___ B7804	Pair, group 24 gel-cell batteries (E2363)	\$990.00
<b>BATTERY CHARGERS</b>			
STD BC24-8	___ B7902	24V 8A automatic gel-cell battery charger	<b>Standard</b>
NBC	___ B7921	Credit for no battery charger	\$-86.25
<b>ACCESSORIES</b>			
* HF LP	___ B8006	LED safety illumination package for all H-Frames	\$345.00
* HL2	___ B8007	2nd LED headlamp	\$96.60
* AMBER FLASHER	___ B8010	LED Amber Safety Flashers (1 flasher mounted in rear/1 mounted in front)	\$365.00
* HORN	___ B8021	24V Safety audio alert	\$287.50
DW FENDERS	___ B8052	Drive wheel fenders	\$575.00
RAM DRINK HLDR	___ B8073	RAM Drink holder	\$66.00
* TOOL KIT	___ B8083	Tool kit	\$240.00
MOUNT 7 TAB	___ B8085A	RAM 7" tablet mount	\$96.00
MOUNT 10 TAB	___ B8085B	RAM 10" tablet mount	\$160.00

# BOUNDER 450 POWER WHEELCHAIR

**21st Century SCIENTIFIC, Inc. (800) 448-3680 (208) 667-8800 FAX (208) 667-6600**

**e-mail: 21st@wheelchairs.com www.wheelchairs.com**

IF \* SEE NOTE LISTED BY STOCK  
NUMBER ON LAST PAGES

Part Number	Stock Qty Number	Part Description	Suggested Retail Price
MOUNT CELL	___ B8086	RAM cell phone mount	\$96.00
* MIRROR	___ B8091	Rear view mirror	\$96.00
FLAG HOLDER	___ B8093	Flag holder	\$80.00
DM COV NAUG	___ B8111	Naugahyde drive module cover	\$75.00
DHC COV	___ B8112	Driver hand control weather cover	\$95.00
SADDLE BAG	___ B8113	Saddle bag (specify left or right)	\$86.00
WC COV	___ B8114	Wheelchair weather cover	\$180.00
WW HVLP OR NC	___ B8126	Wheelie wheels for use with HVLP Off-Road package, no charge	No Charge
* WC JACK	___ B8127	Wheelchair jack	\$400.00
* SW MOUNT BAR	___ B8132	Switch mount bar for accessory switches	\$75.00
<b>* SEAT POSITIONING STRAPS (Do not use as seat belts in motor vehicles)</b>			
HF PS PUSH BUTTON S	___ B8200	Push button seat mount positioning strap (specify 45" or 60")	<b>Standard</b>
PS FLIP LATCH S	___ B8201	Flip latch seat mount positioning strap (specify 45" or 60")	\$57.50
PS PINCH BUCKLE S	___ B8203	Pinch buckle seat mount positioning strap (specify 45" or 60")	\$57.50
* PS CUS S	___ B8211	Custom seat mount positioning strap (specify buckle type and length)	\$115.00
<b>CHEST POSITIONING STRAPS (Do not use as seat belts in motor vehicles)</b>			
PS FLIP LATCH C	___ B8251	Flip latch chest mount positioning strap (specify 45" or 60")	\$115.00
PS PUSH BUTTON C	___ B8252	Push button chest mount positioning strap (specify 45" or 60")	\$115.00
PS PINCH BUCKLE C	___ B8253	Pinch buckle chest mount positioning strap (specify 45" or 60")	\$115.00
PS CUS C	___ B8261	Custom chest mount positioning strap (specify buckle type and length)	\$172.50
<b>WARRANTIES AND SPECIAL SERVICE OPTIONS</b>			
<b>STANDARD WARRANTIES</b>			
* B PWC WAR	___ B9021B	BOUNDER power wheelchair standard warranty	<b>Standard</b>
<b>EXTENDED WARRANTIES</b>			
* EL2 EWAR	___ B9101	Extend electronics warranty to 2 years	\$380.00
EL3 EWAR	___ B9102	Extend electronics warranty to 3 years	\$632.00
B PC2 EWAR	___ B9201	Extend BOUNDER entire power chair warranty to 2 years	\$1,265.00
B PC3 EWAR	___ B9202	Extend BOUNDER entire power chair warranty to 3 years	\$2,277.00
<b>SPECIAL SERVICE OPTIONS</b>			
* EBO	___ B9301	Emergency Build Order	Call Factory
* EEC	___ B9302	Engineering and evaluation charge	Call Factory

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Stk# Note

## BASE CONFIGURATION

### BOUNDER 450

- B013A B450. BOUNDER 450 POWER WHEELCHAIR ONLY, NO POWER SEATING. USE ONLY IF POWER SEATING SYSTEMS ARE NOT ORDERED. IF POWER SEATING SYSTEMS ARE REQUIRED, ORDER EITHER B450S (B013B) OR B450M (B013C).
- B013B B450S. BOUNDER 450 POWER WHEELCHAIR, SINGLE POWER SEATING OPTION. A \$2000 DISCOUNT IS GIVEN IF ONE SEATING SYSTEM IS ALSO ORDERED. ORDER B450M (B013C) IF MULTIPLE SEATING SYSTEMS ARE REQUIRED. ORDER POWER SEATING SYSTEMS SEPARATELY.
- B013C B450M. BOUNDER 450 POWER WHEELCHAIR, MULTIPLE POWER SEATING OPTIONS. A \$3000 DISCOUNT IS GIVEN IF TWO OR MORE SEATING SYSTEMS ARE ALSO ORDERED. ORDER POWER SEATING SYSTEMS SEPARATELY.

## CONSTRUCTION OPTIONS

### BASE WIDTH

- B151 STD BASE WIDTH. STANDARD BASE WIDTH (OVERALL WIDTH; SEE NOTES). FOR USE ON CHAIRS WITH SEAT WIDTHS UP TO 25". 25.5" OVERALL WIDTH FOR MOST CHAIRS, 28.5" OVERALL WIDTH FOR CHAIRS ORDERED WITH HVLP OR.
- B151W WIDE BASE WIDTH. WIDE BASE WIDTH (28.5" OVERALL WIDTH). FOR USE ON CHAIRS WITH SEAT WIDTHS BETWEEN 26" AND 29".

### BASE LENGTH

- B202 SHORT BASE. SHORT H-FRAME POWER BASE. STANDARD FOR MOST CHAIRS FOR SEAT DEPTHS UP TO 20". CHAIRS WITH SEAT DEPTHS OF 20" OR GREATER AND USERS WHO WEIGH OVER 600 LB USUALLY REQUIRE A LONG BASE INSTEAD.
- B203N LONG BASE NC. LONG H-FRAME POWER BASE (NO CHARGE). STANDARD FOR ALL SEAT DEPTHS 20" OR GREATER. SEAT DEPTHS FROM 19" TO 23" CAN NORMALLY BE INSTALLED. AN 18" DEEP SEAT PAN CAN ALSO BE INSTALLED. ALL CHAIRS THAT HAVE BOTH A POWER SEAT ELEVATOR AND A POWER TILT SYSTEM ALSO REQUIRE A LONG WHEELBASE. THE LONG BASE FRAME IS 3" LONGER THAN THE SHORT BASE. IF SEAT DEPTHS OF 17" OR 16" ARE NEEDED ON A LONG BASE, THE SEAT MUST BE POSITIONED FURTHER FORWARD OF THE REAR WHEELS BY 1" OR 2", RESPECTIVELY. THIS WILL REDUCE MANEUVERABILITY AND INCREASE POWER CONSUMPTION. CONTACT THE FACTORY FOR MORE INFORMATION.

### SUSPENSION

- B209E GRAY IDWS SPRINGS. GRAY IDWS SPRINGS (FOR USERS UP TO 400 LB). FOR USER'S UP TO 400 LB.
- B209F BLACK IDWS SPRING. BLACK IDWS SPRINGS (FOR USERS 401 LB AND GREATER). FOR USE ON CHAIRS FOR USERS OVER 400 LB.

### SPECIAL PURPOSE

- B210A HVLP OR. HIGH VOLUME, LOW PRESSURE OFF-ROAD PACKAGE. INCLUDES PNEUMATIC HIGH VOLUME, LOW PRESSURE, ATV STYLE OFF-ROAD DRIVE TIRES (B7084 DW14M BKT&T) & HVLP OFF-ROAD WHEELIE WHEELS (B8126 WW HVLP OR) AT NO CHARGE. 28.5" OVERALL WIDTH FROM OUTSIDE OF DRIVE WHEEL TO OUTSIDE OF DRIVE WHEEL WHEN ORDERED WITH A STANDARD WIDTH BASE. CANNOT BE COMBINED WITH THE HIGH SPEED PACKAGE.

### 21st POWER SEATING SYSTEMS

- B301A PRS 80. 80 DEGREE POWER RECLINE SYSTEM (E1003). H-FRAME CHAIRS HAVE A BACK MOUNTED ACTUATOR. NON-SLIDING BACK; FOR USE WITH POWER LEGRESTS, MANUALLY OPERATED LEGRESTS, FOOTRESTS, AND CHAIRS WITHOUT FRONT RIGGING.
- B301B PRS 40. 40 DEGREE POWER RECLINE SYSTEM (E1003). H-FRAME CHAIRS HAVE A BACK MOUNTED ACTUATOR. NON SLIDING-BACK; FOR USE WITH POWER LEGRESTS, MANUALLY OPERATED LEGRESTS, FOOTRESTS, AND CHAIRS WITHOUT FRONT RIGGING. USE FOR PATIENTS OVER 400 LB, COMBINATION SEATING SYSTEMS AND WHEN REQUIRED BY 21ST.
- B303A SBPRS 70. 70 DEGREE SLIDING BACK POWER RECLINE SYSTEM (E1004). H-FRAME CHAIRS HAVE A BACK MOUNTED ACTUATOR. THE BACK SLIDES DOWN WHEN RECLINED TO HELP REDUCE SHEAR. FOR USE WITH POWER LEGRESTS, MANUALLY OPERATED LEGRESTS, FOOTRESTS, AND CHAIRS WITHOUT FRONT RIGGING.
- B303B SBPRS 40. 40 DEGREE SLIDING BACK POWER RECLINE SYSTEM (E1004). H-FRAME CHAIRS HAVE A BACK MOUNTED ACTUATOR. THE BACK SLIDES DOWN WHEN RECLINED TO REDUCE SHEAR. FOR USE WITH POWER LEGRESTS, MANUALLY OPERATED LEGRESTS, FOOTRESTS, AND CHAIRS WITHOUT FRONT RIGGING. USE FOR PATIENTS OVER 400 LB, COMBINATION SEATING SYSTEMS AND WHEN REQUIRED BY 21ST.
- B305A PTS 50. 50 DEGREE POWER TILT SYSTEM (E1002). NOT AVAILABLE ON CHAIRS WITH ELEVATE.
- B305B PTS 30. 30 DEGREE POWER TILT SYSTEM (E1002). FOR USE WITH POWER LEGRESTS, MANUALLY OPERATED LEGRESTS, FOOTRESTS, AND CHAIRS WITHOUT FRONT RIGGING. USE FOR PATIENTS OVER 400 LB, COMBINATION SEATING SYSTEMS AND WHEN REQUIRED BY 21ST. IF ELEVATE IS ADDED TO THE CHAIR, A 30 DEGREE POWER TILT IS REQUIRED.
- B306A APTS 20. 20 DEGREE ANTERIOR (REVERSE) POWER TILT SYSTEM. REAR OF SEAT TILTS UPWARD 20 DEGREES SO USER CAN MORE EASILY TRANSFER INTO AND OUT OF CHAIR. FRONT RIGGING ATTACHES TO

Stk# Note

FRONT POSTS WELDED TO BASE.

- B308B PSE2 8. POWER SEAT ELEVATOR 2 (8" VERT RISE)(E2300). SEAT AND BACK RAISE TOGETHER A TOTAL OF 8 INCHES. FOR USERS WEIGHING 300 - 450 LB. THE MINIMUM SEAT HEIGHT IS 21".
- B324 SBPRS PTS. SLIDING BACK POWER RECLINE & POWER TILT (E1007). COMBINES SBPRS (B303A OR B303B) AND PTS (B305A OR B305B)

### POWER SEATING OPTIONS, HEAVY DUTY UPGRADES & LOCKOUTS

#### BASE COLOR

- B4021 CUS PC. CUSTOM POWDER COAT COLOR. SEND SAMPLE OF COLOR. WE WILL DO OUR BEST TO MATCH IT!
- B4046 NON-BLACK SAF. PAINT SEAT, ARMS AND FRONT RIGGING SAME COLOR AS REST OF CHAIR. DOES NOT INCLUDE MOST BOLTED ON PARTS SUCH AS THE SEAT PAN, HAND CONTROL MOUNT, FORKS, FOOTREST EXTENSIONS, ETC. ONLY LOWER ARM ASSEMBLIES ARE PAINTED THE SAME COLOR AS THE BASE. UPPER ARM ASSEMBLIES ARE BLACK. FOOTREST BRACKETS ARE PAINTED SAME COLOR AS BASE IF FOOTRESTS ARE ORDERED. LEGREST BRACKETS AND HANGERS ARE PAINTED SAME COLOR AS BASE IF LEGRESTS ARE ORDERED. FOOTREST AND LEGREST EXTENSIONS ARE BLACK.

#### FRAME REINFORCEMENTS

- B4109 SBP. SOLID BACKPOSTS. INCLUDED AT NO CHARGE ON BOUNDER 600 AND BOUNDER 1000.
- B4113 CBPT. CROSS STRUT BETWEEN BACKPOST HANDLE TIPS. INCLUDED AT NO CHARGE ON BOUNDER 600 AND BOUNDER 1000.

#### REAR WHEEL OFFSET (RWO)

- B4301 STD RWO. STANDARD REAR WHEEL OFFSET. HORIZONTAL DISTANCE FROM CENTER OF BACKPOST TO CENTER OF REAR WHEELS. BOUNDER 300, BOUNDER PLUS 300: 2.1" RWO, BOUNDER 450: 1.1" RWO, BIG BOUNDER 600: 0.1" RWO, BIG BOUNDER 1000: -0.9".
- B4302 CRWO. CUSTOM REAR WHEEL OFFSET. SPECIFY THE OFFSET IN INCHES YOU REQUIRE. A CUSTOM REAR WHEEL OFFSET MAY BE NEEDED TO DISTRIBUTE USER WEIGHT CORRECTLY ON THE CHAIR.

#### SEAT DEPTH

#### SEAT WIDTH

#### SEAT HEIGHT

- NOTE THAT THE SEAT HEIGHT AT FRONT CAN BE LOWERED 1" BY CHANGING THE POSITION OF THE FRONT WHEELS IN THE SUSPENSION FORKS. THIS ALSO CHANGES THE TILT OF THE SEAT.
- BACKPOST STYLE & HEIGHT**
- B4709 CUS BH. CUSTOM 90 DEG BACK HEIGHT W/ 7 DEG BEND (15"-24") (SPECIFY HEIGHT.: CUSTOM HEIGHT BACKPOST FOR USE WITH BACK MOUNTED UPHOLSTERY OR SOLID BACKS WITH ADJUSTABLE HARDWARE. PUSH HANDLES ARE BENT AT TOP OF BACKPOST. STANDARD BACK BEND HEIGHT IS 9.5" ABOVE THE SEAT RAILS FOR ALL NON-RECLINING BACK HEIGHTS.
- B4712 CBHASBA. CUSTOM BACK HEIGHT W/ ADJ SEAT-TO-BACK ANGLE (20 DEG OF ADJ)(SPECIFY HEIGHT.: ALLOWS SEAT TO BACK ANGLE TO BE SET AT 90, 95, 100, 105 OR 110 DEGREES. 600 LB MAXIMUM USER WEIGHT. SPECIFY BACKPOST HEIGHT AND ANGLE.

#### HEADRESTS

#### FRONT RIGGING

- B5002 FR60. 60 DEG SWINGAWAY FOOTRESTS. FOR H-FRAMES: REQUIRED ON MOST SHORT BASE CHAIRS WITH 15" AND 16" SEAT DEPTHS ON 19" SEAT HEIGHT CHAIRS. REQUIRED ON MOST LONG BASE CHAIRS WITH 18" OR 19" SEAT DEPTHS ON 19" SEAT HEIGHT CHAIRS.
- B5004 FR90. 90 DEG SWINGAWAY FOOTRESTS. MOST OFTEN USED ON CHAIRS FOR CHILDREN OR USERS WITH VERY SHORT LEGS. BOTTOM OF FOOTPLATE IS USUALLY ADJUSTED TO BE ABOVE THE CASTER WHEEL TIRE, BUT CFR (CUSTOM FRONT RIGGING) CAN BE ORDERED IF CUSTOM FEATURES ARE NEEDED. FR90 FOOTRESTS COME WITH STANDARD SIZE #1 FOOTPLATES WITH HEEL LOOPS INSTALLED. MAXIMUM DISTANCE FROM TOP FRONT OF SEAT RAIL TO TOP OF FOOTPLATE IS TYPICALLY 13" ON A 21" SEAT HEIGHT CHAIR.
- B5005 LRL. LOW PROFILE ELEVATING LEGRESTS (E0990). LOW PIVOT AT SEAT LEVEL BELOW THE KNEE DESIGN. LEGRESTS COME WITH STANDARD SIZE #1 FOOTPLATES WITHOUT HEEL LOOPS. LRL WILL NOT ELEVATE COMPLETELY WITH DIPLR.
- B5007 LRH. HIGH PROFILE (GOOSENECK) ELEVATING LEGRESTS (E0990). HIGH PIVOT (GOOSENECK) AT KNEE LEVEL DESIGN. LEGRESTS COME WITH STANDARD SIZE #1 FOOTPLATES WITHOUT HEEL LOOPS.
- B50079 LRH90. 90 DEGREE HIGH PROFILE ELEVATING LEGRESTS. UTILIZES A LRH BRACKET AND A LRL HANGER. THIS ALLOWS THE USER TO GET HIS/HER FEET CLOSER TO THE CASTERS REDUCING THE OVERALL CHAIR LENGTH. NOTE: THE LEGRESTS MUST BE RAISED IN ORDER FOR THE CASTERS TO CLEAR THE LEGRESTS. THESE LEGRESTS FUNCTION BEST WHEN USED WITH DIPLR OR DIPLR HD.
- B5008 DIPLR. DUAL INDEP PWR ELEV LEGREST MECHANISMS (ACTUATORS, SW BOX, LEGRESTS) (E1010). INCLUDES TWO ACTUATORS, ONE ON EACH SIDE, THAT MOVE THE LEGRESTS SEPARATELY FOR INDEPENDENT OPERATION, OR TOGETHER FOR COMBINED OPERATION. INCLUDES 2-SWITCH CONTROL BOX. INCLUDES LRL OR LRH LEGRESTS. DIPLR IS OFTEN ORDERED AS PART OF A POWER RECLINE AND/OR TILT SYSTEM, BUT IT CAN BE ORDERED BY ITSELF. IF ORDERED WITH A POWER TILT, POWER RECLINE AND/OR POWER SEAT ELEVATOR SYSTEM, A 3 OR 4-SWITCH CONTROL BOX WILL BE SUPPLIED UNLESS THROUGH-THE-JOYSTICK CONTROL IS ORDERED (AT EXTRA COST).

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Stk#	Note	Stk#	Note
B5009	DIPLR HD. HEAVY DUTY DUAL INDEP POWER ELEV LEGRESTS (ACTUATORS, SW BOX, LEGRESTS W/ RLR). REQUIRED FOR ALL DIPLR USERS WHO ARE OVER 450 LB OR FOR DIPLR USERS WHO PUT UNUSUAL FORCES ON THEIR LEGRESTS. DIPLR HD HEAVY DUTY DUAL INDEPENDENT POWER LEGRESTS INCLUDES LRL OR LRH ELEVATING LEGRESTS PLUS RLR REINFORCED ELEVATING LEGRESTS.	B5145	NARROW FLAT ARP. 2" WIDE NARROW FLAT ARMREST PADS. 2" WIDE FLAT PAD WITH FOAM. COVERED WITH NAUGAHYDE OR FABRIC.
B5014	RFR. REINFORCED FOOTRESTS (FOOTRESTS NOT INCLUDED). EXTRA TUBING AND GUSSET ADDED TO FOOTREST BRACKET. ALSO INCLUDES SOLID BAR STOCK IN LOWER FOOTREST EXTENSION.	<b>WHEELCHAIR SEATS &amp; SEAT CUSHIONS</b>	
B5016	RLR. REINFORCED ELEVATING LEGRESTS (LRL OR LRH NOT INCLUDED). SIMILAR TO RFR. PIVOT OF LEGREST BRACKET AND EXTENSION TUBE ARE ALSO REINFORCED. FOR LRL OR LRH ELEVATING LEGRESTS. PRICE DOES NOT INCLUDE LEGRESTS; ORDER LEGRESTS SEPARATELY.	B5242	SMP SEAT CUSHION. UPHOLSTERED FOAM SEAT CUSHION (UP TO 3"; SPECIFY FOAM THICKNESS: 1" TO 3" THICK. UPHOLSTERED FOAM CUSHION FOR USE WITH SMP SEAT FLAT. VELCRO IS ATTACHED TO SMP SEAT FLAT AND TO SMP SEAT CUSHION. CUSHION IS MADE THE SAME SIZE AS THE SHEET METAL PAN.
B5018	OFFSET FR. OFFSET FRONT RIGGING (SPECIFY OFFSET). SPECIFY PORTION OF FOOTREST/LEGREST TO BE OFFSET. THE FOOTREST/LEGREST BRACKET OR EXTENSION MAY BE OFFSET EITHER INWARD OR OUTWARD. SPECIFY THE OFFSET TO THE NEAREST 1/2 INCH. PRICE DOES NOT INCLUDE FRONT RIGGING.	B5262A	SPEC SEAT FOAM. SPECIAL SEAT FOAM (PUDGEE, SUNMATE, ETC.)(EACH 1/2" THICKNESS). UP CHARGE FOR EACH 1/2" THICKNESS OF SPECIAL FOAM. IF STANDARD FOAM IS ORDERED IN COMBINATION WITH SPECIALTY FOAM, THE STANDARD FOAM IS ONLY AVAILABLE IN EVEN INCH INCREMENTS.
B5019	TAPER FR. TAPERED FRONT RIGGING (SPECIFY TAPER). SPECIFY TAPER TO NEAREST 1/2". ALSO SPECIFY TYPE OF TAPER: DOUBLE BEND OR STRAIGHT ANGLE. UP CHARGE; PRICE DOES NOT INCLUDE FRONT RIGGING. SPECIFY KNEE TO HEEL MEASUREMENT.	B5270D	CC M2-SA SEAT CUSH 22+. COMFORT COMPANY M2 POSITIONING GEL SEAT CUSHION, 22" OR 24" WIDE (E2608). SPECIFY WIDTH AND DEPTH.
B5023	QRL. QUAD RELEASE LEVERS. FRONT RIGGING RELEASE LEVERS EXTENDED TO OUTSIDE OF CHAIR.	B5270H	CC AJX-S SEAT CUSH 22+. COMFORT COMPANY ADJUSTER O2 SEAT CUSHION W/ VICARE TECH, 22" AND WIDER (E2623). SPECIFY WIDTH AND DEPTH.
B5035	CUS CM FB. CUSTOM CENTER MOUNT, ANGLE ADJUSTABLE FOOTBOARD. MOUNTS IN CENTER OF CHAIR. FLIPS UP TOWARD THE CENTER OF THE CHAIR. SPECIFY WIDTH OF FOOTBOARD. CAUTION: THE USER MUST ALWAYS WEAR SHOES OR FOOT PROTECTION. CONTACT FACTORY FOR ADDITIONAL INFORMATION.	<b>WHEELCHAIR BACKS &amp; BACK CUSHIONS</b>	
B5041	FPHL. HEEL LOOPS. HEEL LOOPS ARE INSTALLED IN THE NORMAL POSITION ON THE FOOTPLATE UNLESS YOU ADVISE US OTHERWISE.	B5342	SMP BACK CUSHION. UPHOLSTERED FOAM BACK CUSHION (UP TO 2"; SPECIFY FOAM THICKNESS: 1" - 2" THICK. UPHOLSTERED FOAM CUSHION FOR USE WITH SMPB FLAT OR SMB CURVED. VELCRO IS ATTACHED TO THE SEAT PAN AND TO SMP SEAT CUSHION. CUSHION IS MADE THE SAME SIZE AS THE SHEET METAL PAN.
B5042	FPAS. ANKLE STRAPS. DUE TO THE WIDE RANGE OF FOOT SIZES, ANKLE STRAPS ARE NORMALLY NOT INSTALLED UNLESS YOU SPECIFY EXACTLY WHERE TO INSTALL THE STRAPS ON THE FOOTPLATES.	B5362A	SPEC BACK FOAM. SPECIAL BACK FOAM (PUDGEE, SUNMATE, ETC.)(EACH 1/2" THICKNESS). UP CHARGE FOR EACH 1/2" THICKNESS OF SPECIAL FOAM. IF STANDARD FOAM IS ORDERED IN COMBINATION WITH SPECIALTY FOAM, THE STANDARD FOAM IS ONLY AVAILABLE IN EVEN INCH INCREMENTS.
B5043	FPTL. PAIR OF TOE LOOPS. DUE TO THE WIDE RANGE OF FOOT SIZES, TOE LOOPS ARE NORMALLY NOT INSTALLED UNLESS YOU SPECIFY EXACTLY WHERE TO INSTALL THE TOE LOOPS ON THE FOOTPLATES.	B5370D	CC AB-BSXXXWXL 22+. COMFORT COMPANY ACTA-BACK, POSTERIOR, W/ 22"-24" WIDE (E2614) (SPECIFY WIDTH.. SPECIFY WIDTH AND HEIGHT
B5047	CALF FLAT. FLAT CALF PADS. SPECIFY WIDTH AND HEIGHT TO NEAREST INCH.	<b>POSITIONING HARDWARE</b>	
<b>ARMS</b>		<b>UPHOLSTERY COLOR</b>	
B5110	DL SL ARM. DESK LENGTH SLIDING ARMS. DESK LENGTH SLIDING ARM GLIDES BACK AND DOWN UPON A FIXED LOWER ARM AS THE SEAT RECLINES. STATIONARY LOWER ARMS ARE DETACHABLE, CAN BE ADJUSTED IN HEIGHT AND HAVE SIDE PANELS (MODESTY PANELS). HEIGHT ADJUSTMENT RANGE IS FROM APPROXIMATELY 11" MINIMUM TO 16" MAXIMUM ABOVE THE SEAT RAILS. USUALLY INSTALLED ON RECLINERS ONLY.	IF FABRIC UPHOLSTERY IS ORDERED BLACK NAUGAHYDE CALF PADS AND/OR ARMREST PADS WILL BE SUPPLIED UNLESS CALF FLAT, CALF TROUGH, CALF CUSTOM, TROUGH ARP, FLAT ARP, NARROW FLAT ARP, OR CARP ARE ORDERED.	
B5111	FL SL ARM. FULL LENGTH SLIDING ARMS. SIMILAR TO DESK LENGTH SLIDING ARMS ABOVE EXCEPT FULL LENGTH.	<b>CONTROL BOXES &amp; REMOTE DISPLAY</b>	
B5112C	DL SS ADJ ARM CS. DESK LENGTH SELF-SUPPORTING ADJ ARMS FOR CAPTAIN'S SEAT. UPPER ARM TUBE IS LENGTHENED REARWARD 5".	<b>HAND &amp; CHIN CONTROL MOUNTS &amp; EXTENSIONS</b>	
B5112R	DL SS ART ARM. DESK LENGTH SELF-SUPPORTING ADJ ARTICULATING ARMS. ADJUSTABLE LINKAGE WITH TIE-ROD ENDS ATTACH BACK OF ARM TO SEAT RAIL. SPECIFY ARM HEIGHT FROM SEAT PAN TO TOP OF ARMREST PAD.	B6115	SA EXT. SWINGAWAY HAND CONTROL EXTENSION SLIDE (E1028). VERY STURDY. SWINGS OUT TO SIDE AND BACK.
B5113C	FL SS ADJ ARM CS. FULL LENGTH SELF-SUPPORTING ADJ ARMS FOR CAPTAIN'S SEAT. UPPER ARM TUBE IS LENGTHENED REARWARD 5".	B6116	MIDLINE HC M&E. MIDLINE HAND CONTROL MOUNT & EXTENSION SLIDE. SWINGS UP TO SIDE. SPECIFY LEFT OR RIGHT MOUNT AND DISTANCE FROM FRONT OF BACK TO CENTER OF HAND CONTROL.
B5113R	FL SS ART ARM. FULL LENGTH SELF-SUPPORTING ADJ ARTICULATING ARMS. ADJUSTABLE LINKAGE WITH TIE-ROD ENDS ATTACH BACK OF ARM TO SEAT RAIL. SPECIFY ARM HEIGHT FROM SEAT PAN TO TOP OF ARMREST PAD.	B6121	CC MOUNT. CHIN CONTROL MOUNT. MOUNTS ON BACKPOST TUBING ON EITHER SIDE. SPECIFY LEFT OR RIGHT. FULLY ADJUSTABLE WITH SWING TO SIDE FEATURE. SPECIFY DROP. 2" IS STANDARD, 3" OR 4" OPTIONAL.
B5131	RAT. REINFORCED ARM TIPS. ARM TIPS ARE SOLID STEEL INSTEAD OF TUBING. NO CHARGE WITH BIG BOUNDER 1000.	B6122	POWER CC MOUNT. POWER CHIN CONTROL MOUNT. INSTALL POWER CHIN CONTROL MOUNT INSTEAD OF STANDARD HAND CONTROL MOUNT. SPECIFY LEFT OR RIGHT MOUNT. ACTUATOR SWINGS CHIN CONTROL AND BOOM TO SIDE ABOUT 90 DEGREES WHEN CONTROL SWITCH IS OPERATED. BI-DIRECTIONAL MOMENTARY TOGGLE SWITCH CONTROL IS STANDARD. SWITCH CAN BE MOUNTED ANYWHERE CONVENIENT TO USER OR ATTENDANT. OTHER CUSTOM CONTROL SWITCHES AND METHODS OF CONTROL ARE POSSIBLE. LEFT AND RIGHT HAND MODELS AVAILABLE. SPECIFY DROP. 2" IS STANDARD, 3" OR 4" OPTIONAL. CONTACT THE FACTORY FOR ADDITIONAL INFORMATION.
B5133	CAD. CUSTOM ARM DEPTH. CUSTOM ARM DEPTH IS CHARGED FOR ARM DEPTHS THAT ARE NOT ON INCH CENTERS OR DO NOT CORRESPOND TO THE CHAIR FRAME DEPTH.	B6131	CC BIB MOUNT. CHIN CONTROL BIB MOUNT (SPECIFY HARD OR SOFT COLLAR). DOES NOT INCLUDE CHIN CUP.
B5134	CARMS. CUSTOM ARMS. LET US KNOW WHAT YOU NEED. BE SURE TO GET A QUOTE!	B6172	CUS EXT SLIDE. CUSTOM EXTENSION SLIDE. STRAIGHT, CUSTOM HEIGHT, ETC. TELL US WHAT YOU NEED.
<b>ARMREST PADS</b>		<b>LINX PROGRAMMABLE ELECTRONICS</b>	
B5141	STD ARMREST PADS. STD UPHOLSTERED ARMREST PADS. STD ARMREST PADS HAVE A BLACK PLASTIC BASE WITH NAUGAHYDE COVERED FOAM. NOT AVAILABLE IN FABRIC.	B6472	DLX REM500. LINX COLOR TOUCH SCREEN DISPLAY REMOTE (REQUIRES DLX-IN500). REQUIRES DLX-IN500. FOR USE WITH MOST SPECIALTY SWITCH CONTROLS. ORDER SPECIALTY CONTROL SEPARATE.
B5142	WATERFALL ARP. WATERFALL ARMREST PADS. NAUGAHYDE ONLY. NOT AVAILABLE IN FABRIC. IF INSTALLED ON SELF-SUPPORTING, ARTICULATING, SLIDING ARMS OR FLIP-UP ARMS, THE WATERFALL ARMREST PAD WILL PREVENT THE UPPER ARM ASSEMBLY FROM FLIPPING UP TOTALLY OUT OF THE WAY FOR TRANSFERS.	B6473	DLX IN500. LINX INPUT MODULE. FOR USE WITH DLX-REM500.
B5143	TROUGH ARP. TROUGH ARMREST PADS. AVAILABLE IN NAUGAHYDE OR FABRIC.	<b>R-NET PROGRAMMABLE ELECTRONICS</b>	
B5144	FLAT ARP. 3.5" WIDE FLAT ARMREST PADS. WITH FOAM. COVERED WITH NAUGAHYDE OR FABRIC.	B6520	R-NET OMNI2. R-NET OMNI2 SPECIALTY CONTROLS INTERFACE. FOR USE WITH MOST SPECIALTY SWITCH CONTROLS. ORDER SPECIALTY CONTROLS SEPARATE.
		<b>DRIVE MODULE MOUNTS</b>	
		B6702	USM HF. DRIVE MODULE MOUNTED UNDER WHEELCHAIR SEAT. DRIVE MODULE MOUNTED HORIZONTALLY UNDER SEAT PAN. SOMETIMES, ALTERNATE LOCATIONS ARE NECESSARY, DEPENDING UPON THE EXACT CHAIR CONFIGURATION.
		<b>RESPIRATOR &amp; OXYGEN BOTTLE MOUNTS</b>	
		B6801	RESP SHELF. FIXED POSITION RESPIRATOR SHELF. VERY STURDY SHEET METAL SHELF IS WELDED IN PLACE ON BACKPOST TUBING, USUALLY JUST BELOW PUSH HANDLES. APPROXIMATELY 20" WIDE X 10" DEEP. CUSTOM SIZES AVAILABLE. PUSH HANDLES SOMETIMES FLARED FOR CLEARANCE ON NARROW CHAIRS. CONTACT FACTORY FOR MORE INFORMATION.



# BOUNDER 450 POWER WHEELCHAIR

21st Century SCIENTIFIC, Inc. (800) 448-3680 (208) 667-8800 FAX (208) 667-6600

e-mail: 21st@wheelchairs.com www.wheelchairs.com

Stk#	Note
B6803	RESP GIMBAL SHELF. GIMBAL-MOUNTED RESPIRATOR SHELF. FOR CHAIRS WITH TILT AND RECLINE THAT REQUIRE THAT RESPIRATOR BE KEPT APPROXIMATELY LEVEL WITH GROUND.

B6811	RESP BBOX U1. SINGLE U1 BATTERY BOX MOUNTED ON SHELF (SPECIFY LOCATION; FOR RESPIRATORS). SHELF USUALLY LOCATED UNDER SEAT NEAR FRONT OF CHAIR. REMOVABLE U1 BATTERY BOX IS HELD ON TRAY WITH A STRAP. ALTERNATE LOCATIONS SUCH AS ON THE SHELF NEXT TO OR BELOW THE RESPIRATOR ARE ALSO AVAILABLE. CONTACT FACTORY FOR MORE INFORMATION.
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## MOTORS & BRAKES

### DRIVE WHEEL OPTIONS

#### DRIVE WHEEL TIRE AND TUBE OPTIONS

B7084	DW 14M BKT&T. 14"X5.4" METAL DRIVE WHEELS, BLACK KNOBBY 145/70-6 PNEUMATIC TIRES & TUBES. REQUIRES PURCHASE OF HVLP OR PACKAGE, B210A.
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B7085	DW 13X5M BKT&T. 13"X5.00" METAL DRIVE WHEELS, BLACK KNOBBY, HVLP PNEUMATIC KENDA TIRES & TUBES. REQUIRES PURCHASE OF HVLP OR PACKAGE, B210A.
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### TOP SPEED SETTINGS

B7269	8.0 MPH. 8.0 MPH, 313 C70 C21, HIGH SPEED PACKAGE REQUIRED. NOT AVAILABLE WITH THE HVLP OR OFF-ROAD PACKAGE.
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B7270	7.0 MPH. 7.0 MPH, 4M13 C60 C25, SPEED PACKAGE REQUIRED. NOT AVAILABLE WITH THE HVLP OR OFF-ROAD PACKAGE.
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## CASTER WHEEL & FORK OPTIONS

### CASTER TIRE & TUBE OPTIONS

#### VEHICLE TIEDOWNS

B7604	4P TD. 4-POINT WHEELCHAIR TRANSPORT TIEDOWN. HAS NOT YET RECEIVED WC-19 CRASH-TESTING APPROVAL.
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## BATTERY BOXES

### BATTERIES

### BATTERY CHARGERS

### ACCESSORIES

B8006	HF LP. LED SAFETY ILLUMINATION PACKAGE FOR ALL H-FRAMES. INCLUDES LED HEADLAMP AND SWITCH. LED TAILLIGHTS ARE BUILT INTO THE H-FRAME BASE.
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B8007	HL2. 2ND LED HEADLAMP. CURRENT DRAW FOR COMPLETE TWO HEADLAMP SYSTEM: 1.0A @ 24V.
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B8010	AMBER FLASHER. LED AMBER SAFETY FLASHERS (1 FLASHER MOUNTED IN REAR/1 MOUNTED IN FRONT). SAFETY AMBER FLASHER ALLOWS INCREASED VISIBILITY WHILE DRIVING AT NIGHT.
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B8021	HORN. 24V SAFETY AUDIO ALERT. THIS 24V HORN IS LOUD! THE CONTROL SWITCH (HORN BUTTON) CAN BE MOUNTED ON THE WHEELCHAIR TUBING AT ANY CONVENIENT LOCATION. COMPATIBLE WITH MOST 24V POWER WHEELCHAIRS. TOGGLE SWITCH TYPE HORN BUTTON WILL BE SUPPLIED UNLESS YOU SPECIFICALLY REQUEST A PUSH-BUTTON SWITCH.
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B8083	TOOL KIT. TOOL KIT. INCLUDES COMMON TOOLS USED TO MAKE ADJUSTMENTS AND MINOR REPAIRS ON CHAIR.
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B8091	MIRROR. REAR VIEW MIRROR. THIS DETACHABLE REAR VIEW MIRROR HAS A WIDE ANGLE CONVEX HEAD THAT ALLOWS USERS TO SEE TO THE REAR WITHOUT TURNING THEIR HEAD. IT INCREASES SAFETY IN TRAFFIC AND IS ALSO HANDY WHEN BACKING INTO OR OUT OF ELEVATORS. THE MIRROR COMES WITH A QUICK DETACH BRACKET.
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B8127	WC JACK. WHEELCHAIR JACK. USED TO LIFT REAR OF THE WHEELCHAIR IN THE AIR TO CHANGE TIRES OR WHEELS.
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B8132	SW MOUNT BAR. SWITCH MOUNT BAR FOR ACCESSORY SWITCHES. FOR USE ON CHAIRS WITH SELF-SUPPORTING ARMS AND HAS EITHER POWER SEATING SYSTEM SWITCH CONTROLS OR ACCESSORY CONTROLS. SPECIFY LEFT OR RIGHT SIDE MOUNT.
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### SEAT POSITIONING STRAPS (Do not use as seat belts in motor vehicles)

CAUTION! DO NOT USE AS SEAT BELTS OR RESTRAINTS IN LICENSED VEHICLES. POSITIONING STRAPS ARE TO BE USED ONLY FOR HOLDING USER IN POSITION WHILE DRIVING THE WHEELCHAIR.

B8211	PS CUS S. CUSTOM SEAT MOUNT POSITIONING STRAP (SPECIFY BUCKLE TYPE AND LENGTH). REQUIRED FOR ANY POSITIONING STRAP THAT IS NOT 45° OR 60° LONG. SPECIFY BUCKLE TYPE AND LENGTH.
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### CHEST POSITIONING STRAPS (Do not use as seat belts in motor vehicles)

## WARRANTIES AND SPECIAL SERVICE OPTIONS

### STANDARD WARRANTIES

B9021B	B PWC WAR. BOUNDER POWER WHEELCHAIR STANDARD WARRANTY. ONE YEAR WARRANTY ON ENTIRE BOUNDER POWER WHEELCHAIR. FIVE YEAR H-FRAME BASE WARRANTY. TWO YEAR H-FRAME SEAT WARRANTY. FIVE YEAR SUPER TORQUE MOTOR AND BRAKE DRIVE TRAIN WARRANTY (INCLUDES MOTORS, BRAKES, DRIVE WHEELS AND DRIVE WHEEL SPROCKETS, BUT EXCLUDES CHAINS, TIRES, MOTOR SPROCKETS, INNER TUBES AND BEARINGS). THIS IS A LIMITED WARRANTY AND SOME RESTRICTIONS APPLY.
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### EXTENDED WARRANTIES

B9101	EL2 EWAR. EXTEND ELECTRONICS WARRANTY TO 2 YEARS. FOR BOUNDER AND BIG BOUNDER CHAIRS ONLY. ALREADY INCLUDED ON BOUNDER PLUS CHAIRS.
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Stk#	Note
<b>SPECIAL SERVICE OPTIONS</b>	
B9301	EBO. EMERGENCY BUILD ORDER. BUILD AND SHIP CHAIR AS FAST AS POSSIBLE. CONTACT FACTORY FOR DELIVERY AND UP CHARGE.

B9302	EEC. ENGINEERING AND EVALUATION CHARGE. CHARGE FOR ENGINEERING AND EVALUATING VERY INVOLVED CUSTOM CHAIRS. CONTACT FACTORY FOR PRICING.
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