

# ACCESSORIES

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
<b>BATTERY CHARGERS</b>			
* BCDM8	___ A131	8A Lester dual mode automatic battery charger	\$546.25
* BCDM12	___ A132	12A Lester dual mode automatic battery charger	\$603.75
* BCWDM12	___ A134	12A Lester world-wide dual mode battery charger	\$632.50
* BC12-6	___ A135	12.6V 6A automatic battery charger	\$287.50
<b>* CHAIN DRIVES</b>			
<b>FAN</b>			
FAN	___ A395	Fan with on-off control (complete system)	\$287.50
FAN LABOR	___ A396	Fan factory installation labor	\$69.00
<b>HORN</b>			
* HORN	___ A501	24V safety audio alert, complete, for most 24V power wheelchairs	\$293.25
HORN XLR PWR CBL	___ A502	Horn XLR power cable (plugs into charger connection)(for Invacare & Quickie)	\$86.25
HORN LABOR	___ A503	Electric horn factory installation labor	\$69.00
<b>LEG BAG EMPTIERS</b>			
* LB2	___ A421	Electric leg bag emptier 2, complete switch control system	\$632.50
* LB2 21 ECU	___ A422	LB2 with UE1E ECU port option (for chairs with UE1E electronics)	\$632.50
* LB2 OTH ECU	___ A423	LB2 with ECU port option for other electronics	\$747.50
* LB2 LABOR	___ A425	LB2 electric leg bag emptier factory installation labor	\$69.00
<b>LIGHTS</b>			
<u>Basic Lighting Package Models</u>			
* LP	___ A601	Safety illumination package (headlamp, universal taillights, switch & cables)	\$402.50
<u>Lighting Package Options (Up charges to basic lighting package)</u>			
* LP TIBB	___ A615	Supply LP with taillights in 21st grp 27 batt box cover	\$51.75
* LP 21H	___ A617	Supply LP for use with taillights on BOUNDER H-frame chairs	\$-69.00
* LP NO TL	___ A623	Supply red reflectors instead of universal taillight assembly	\$-63.25
* LP 2nd HL	___ A625	2nd headlamp and cable for Lighting Package	\$100.05
LP PB SWITCH	___ A629	Supply LP with pushbutton switch instead of toggle switch	\$17.25
LP XLR PWR CBL	___ A630	LP XLR power cable (plugs into charger connection)(for Invacare & Quickie)	\$86.25
DUAL XLR PWR CBL	___ A630D	Dual XLR power cable (provides power for two accessories)(Invacare/Quickie)	\$143.75
* LP LABOR	___ A631	Lighting package factory installation labor	\$69.00
<b>MIRROR</b>			
* MIRROR	___ A701	Detachable rear view mirror	\$95.45
<b>* POSITIONING STRAPS (Do not use as seat belts in vehicles)</b>			
PS FLIP LATCH	___ A801	60" flip latch positioning strap	\$57.50
PS PUSH BUTTON	___ A802	60" push button positioning strap	\$57.50
PS PINCH BUCKLE	___ A803	60" pinch buckle positioning strap	\$57.50
PS VELCRO	___ A804	60" velcro closure positioning strap	\$57.50
* PS CUSTOM	___ A805	Custom length positioning strap (up charge for any strap other than 60" long)	\$51.75
<b>POWER CONVERTER</b>			
24/12PC	___ A831	24V to 12V power converter (5A maximum load)	\$575.00
<b>PROGRAMMERS</b>			
* UE1E V66 PRGMR	___ A822	UE1E V66 programmer	\$575.00
<b>WHEEL LOCKS</b>			
WL	___ A851	Pair, super duty wheel locks for BOUNDER conventional frame chairs & gurneys (specify hi, center, or lo mount and if inverted)	\$138.00
WL HF	___ A852	Pair, super duty wheel locks for BOUNDER	\$264.50

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Part Number	Stock Qty Number	Part Description	Suggested Retail Price
		H-frame chairs	
WLE	___ A853	Pair, wheel lock extensions	\$54.05

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Stk# Note

## BATTERY CHARGERS

- A131 BCDM8. 8A LESTER DUAL MODE AUTOMATIC BATTERY CHARGER. STANDARD DUAL-MODE CHARGER RECHARGES CONVENTIONAL LIQUID ELCTROLYTE OR GEL-CELL (SEALED) MAINTENANCE FREE DEEP CYCLE BATTERIES. SWITCH SELECTS BETWEEN CONVENTIONAL AND MAINTENANCE FREE CHARGING. INCLUDES DC AMMETER. FULLY AUTOMATIC.
- A132 BCDM12. 12A LESTER DUAL MODE AUTOMATIC BATTERY CHARGER. 12A DUAL-MODE CHARGER RECHARGES CONVENTIONAL LIQUID ELCTROLYTE OR GEL-CELL (SEALED) MAINTENANCE FREE DEEP CYCLE BATTERIES. IDEAL FOR USERS WHO ARE OUT OF THEIR CHAIR FOR LESS THAN 8 HOURS AT NIGHT. IF YOU BURN THE MIDNIGHT OIL AND ARE OUT OF YOUR CHAIR ONLY SIX HOURS AT NIGHT, YOU'LL NEED THIS CHARGER TO FULLY RECHARGE YOUR BATTERIES IN TIME. SWITCH SELECTS BETWEEN CONVENTIONAL AND MAINTENANCE FREE CHARGING. FULLY AUTOMATIC. THIS MODEL DOES NOT INCLUDE A DC AMMETER. NOT FOR USE WITH DX OR PG DRIVES ELECTRONICS.
- A134 BCWDM12. 12A LESTER WORLD-WIDE DUAL MODE BATTERY CHARGER. INCLUDES A SWITCH TO SELECT BETWEEN 110V AND 220V POWER SOURCES. THIS CHARGER RECHARGES CONVENTIONAL LIQUID ELCTROLYTE OR GEL-CELL (SEALED) MAINTENANCE FREE DEEP CYCLE BATTERIES. IF YOU TRAVEL TO FOREIGN COUNTRIES, THIS IS THE CHARGER FOR YOU. LIKEWISE, IF YOU BURN THE MIDNIGHT OIL AND ARE OUT OF YOUR CHAIR ONLY SIX HOURS AT NIGHT, YOU CAN USE THIS CHARGER TO FULLY RECHARGE YOUR BATTERIES IN TIME. SWITCH SELECTS BETWEEN CONVENTIONAL AND MAINTENANCE FREE CHARGING. FULLY AUTOMATIC. THIS MODEL DOES NOT INCLUDE A DC AMMETER.
- A135 BC12-6. 12.6V 6A AUTOMATIC BATTERY CHARGER. FOR USE WITH MANUAL CHAIRS WITH RECARO SEATS AND/OR 12V ACCESSORIES

## CHAIN DRIVES

CHAIN DRIVE KITS ARE RECOMMENDED IF YOU MUST DRIVE ROUTINELY IN RAIN AND/OR SNOW. THE CHAIN DRIVE HAS THREE ADVANTAGES: 1) THE CHAINS DO NOT SLIP IN RAIN OR SNOW, 2) CHAINS CONSUME LESS BATTERY ENERGY THAN V-BELTS, AND 3) CHAINS ARE LESS EXPENSIVE THAN PANTHER BELT DRIVES. THE CHAIN DRIVE HAS SEVERAL DISADVANTAGES: 1) CHAINS ARE NOISY, 2) CHAINS GENERATE VIBRATIONS THAT CAN BE FELT WHEN DRIVING THE CHAIR, 3) THE CHAIR CANNOT BE PUSHED UNLESS THE ELECTRIC BRAKES ARE RELEASED (THE CLUTCHES DO NOT FULLY DISENGAGE THE CHAINS AS THEY DO V-BELTS), 4) CHANGING BACK AND FORTH BETWEEN BELT AND CHAIN DRIVE REQUIRES ABOUT ONE HOUR (ABOUT 20 MINUTES IF YOU HAVE ONE SET OF REAR WHEELS FOR BELTS AND ANOTHER SET FOR CHAINS), AND 5) THE INITIAL COST OF THE CHAIN DRIVE IS MORE THAN V-BELTS. ALL CHAIN DRIVE KITS CARRY A 1 YEAR WARRANTY. 21ST CHAIN DRIVE KITS ARE ONLY COMPATIBLE WITH CHAIRS THAT HAVE 21ST MOTORS, AND 21ST ELECTRIC BRAKES THAT HAVE SPLINE TYPE HUBS. CONTACT FACTORY FOR CHAIN DRIVE APPROXIMATE TOP SPEED INFORMATION.

## FAN

## HORN

- A501 HORN. 24V SAFETY AUDIO ALERT, COMPLETE, FOR MOST 24V POWER WHEELCHAIRS. THIS 24V HORN IS LOUD! THE HORN BUTTON (CONTROL SWITCH) CAN BE MOUNTED ON THE WHEELCHAIR TUBING AT ANY CONVENIENT LOCATION. ONE SIZE FITS ALL WIDTH CHAIRS. COMPATIBLE WITH MOST 24V POWER WHEELCHAIRS. 1 YEAR WARRANTY INCLUDED. TOGGLE SWITCH TYPE HORN BUTTON WILL BE SUPPLIED UNLESS YOU SPECIFICALLY REQUEST A PUSHBUTTON SWITCH.

## LEG BAG EMPTIERS

- A421 LB2. ELECTRIC LEG BAG EMPTIER 2, COMPLETE SWITCH CONTROL SYSTEM. ALLOWS LEG BAG USERS TO DRAIN THEIR LEG BAGS WITHOUT ASSISTANCE. THIS OFTEN FACILITATES INCREASED FLUID INTAKE THAT CAN REDUCE THE LIKELIHOOD OF URINARY TRACT INFECTIONS. KIT INCLUDES EVERYTHING NEEDED FOR A COMPLETE INSTALLATION: 24V PINCH VALVE WITH MANUAL OVERRIDE, ANKLE STRAP (WITH VELCRO CLOSURE), DRAIN TUBE EXTENSION, CONTROL SWITCH, LEG CABLE, FUSED BATTERY CABLE, AND OWNER'S MANUAL. ALSO INCLUDES 10 BLACK PLASTIC CABLE TIES AND ADAPTERS FOR COUPLING THE DRAIN TUBE EXTENSION TO THE LEG BAG. CAN BE INSTALLED ON MOST 24V POWER WHEELCHAIRS. VALVE CAN BE WORN ON INSIDE OR OUTSIDE OF LEFT OR RIGHT ANKLE. TO MOUNT VALVE ON A FOOTPLATE, ALSO ORDER FOOTPLATE ADAPTER LISTED BELOW. SPECIFY IF TOGGLE SWITCH OR PUSHBUTTON SWITCH CONTROL IS DESIRED. 6 MONTH WARRANTY INCLUDED. LEG BAG NOT INCLUDED.
- A422 LB2 21 ECU. LB2 WITH UE1E ECU PORT OPTION (FOR CHAIRS WITH UE1E ELECTRONICS). THIS OPTION REPLACES THE CONTROL SWITCH AND THE FUSED BATTERY CABLE WITH AN ECU PORT INTERFACE CABLE. REQUIRES A UE1E PROGRAMMER (NOT INCLUDED) TO PROGRAM THE ECU PORT.
- A423 LB2 0TH ECU. LB2 WITH ECU PORT OPTION FOR OTHER ELECTRONICS. FOR INSTALLATIONS ON CHAIRS WITH THAT DO NOT USE 21ST UE1E ELECTRONICS. REDUCES CURRENT AND ELIMINATES VOLTAGE SPIKES TO PROTECT THE ECU PORT. THIS OPTION REPLACES THE CONTROL SWITCH WITH AN ECU PORT ADAPTER MODULE THAT PLUGS INTO THE ECU PORT. PROFESSIONAL INSTALLATION IS REQUIRED TO COMPLETE CONNECTION TO ECU PORT AND TO PROGRAM THE CHAIR'S ECU. CAN BE CONFIGURED FOR USE WITH DYNAMIC DX, INVACARE MARK IV AND OTHER ELECTRONICS.
- A425 LB2 LABOR. LB2 ELECTRIC LEG BAG EMPTIER FACTORY INSTALLATION LABOR. FOR FOOTPLATE MOUNTED VALVES, SPECIFY WHETHER TO MOUNT ON THE LEFT OR RIGHT FOOTPLATE.

## LIGHTS

### BASIC LIGHTING PACKAGE MODELS

- A601 LP. SAFETY ILLUMINATION PACKAGE (HEADLAMP, UNIVERSAL TAILLIGHTS, SWITCH & CABLES). LP INCLUDES ONE 50W 5000 CP SEALED BEAM HEADLAMP MOUNTED IN A RUBBER HOUSING, A TAILLIGHT ASSEMBLY, SWITCH, CABLES, MOUNTING HARDWARE AND OWNER'S MANUAL. CURRENT DRAW FOR

Stk# Note

- HEADLAMP: 1.75A @ 24V; TAILLIGHT ASSEMBLY: 0.30A @ 24V; COMPLETE ONE HEADLAMP SYSTEM: 2.05A @ 24V. SECOND HEADLAMP CAN BE INSTALLED (ORDER A611 BELOW). 1 YEAR LIMITED WARRANTY INCLUDED (DOES NOT COVER BREAKAGE OR BURNOUT OF HEADLAMP, TAILLIGHT BULBS OR TAILLIGHT LENSES). TOGGLE SWITCH WILL BE SUPPLIED UNLESS PUSHBUTTON SWITCH IS SPECIFIED.
- LIGHTING PACKAGE OPTIONS (UP CHARGES TO BASIC LIGHTING PACKAGE)**
- A615 LP TIBB. SUPPLY LP WITH TAILLIGHTS IN 21ST GRP 27 BATT BOX COVER. FOR BOUNDER CONVENTIONAL (TUBULAR) POWER WHEELCHAIRS OR OTHER CHAIRS THAT HAVE A 21ST DUAL SLIDING GROUP 27 BATTERY BOX INSTALLED. INSTEAD OF SUPPLYING A UNIVERSAL TAILLIGHT ASSEMBLY, TAILLAMPS ARE BUILT INTO THE TOP OF THE BATTERY BOX COVER INSTEAD OF A SEPARATE TAILLIGHT CHASSIS. INCLUDES A NEW BATTERY BOX COVER. NOT FOR USE WITH BOUNDER H-FRAME CHAIRS.
- A617 LP 21H. SUPPLY LP FOR USE WITH TAILLIGHTS ON BOUNDER H-FRAME CHAIRS. FOR USE ONLY WITH BOUNDER H-FRAME CHAIRS. PLUGS INTO TAILLIGHTS LOCATED IN THE H-FRAME TUBING.
- A623 LP NO TL. SUPPLY RED REFLECTORS INSTEAD OF UNIVERSAL TAILLIGHT ASSEMBLY. NO TAILLAMPS ARE INCLUDED WITH THE SYSTEM. INCLUDES TWO RED REFLECTORS FOR MOUNTING ON THE REAR OF THE CHAIR.
- A625 LP 2nd HL. 2ND HEADLAMP AND CABLE FOR LIGHTING PACKAGE. CURRENT DRAW FOR COMPLETE TWO HEADLAMP SYSTEM: 3.80A @ 24V. SUPPLIED WITH L-BRACKET, 7/8" OD TUBE CLAMP AND CABLE.
- A631 LP LABOR. LIGHTING PACKAGE FACTORY INSTALLATION LABOR. SPECIFY SINGLE HEADLIGHT MOUNTING POSITION: LEFT, RIGHT OR CENTER. DUAL SYSTEMS NORMALLY MOUNTED WITH ONE HEADLAMP ON LEFT, ONE ON RIGHT, UNLESS SPECIFIED OTHERWISE.

## MIRROR

- A701 MIRROR. DETACHABLE 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 MOUNTING BRACKET, TELESCOPING SUPPORT MAST AND A QUICK DETACH BRACKET. COMES WITH 1 YEAR LIMITED WARRANTY (DOES NOT COVER BREAKAGE OF MIRROR HEAD OR PLASTIC MOUNTING BRACKET). CAN BE MOUNTED ON MOST WHEELCHAIRS, MANUAL OR ELECTRIC.

## POSITIONING STRAPS (Do not use as seat belts in 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. FOR WHEELCHAIRS, INDICATE WHETHER LAP OR CHEST MOUNT. FOR GURNEYS, INDICATE DISTANCE TO MOUNT STRAPS FROM FRONT OR REAR OF MATTRESS PAN, LENGTH OF STRAP, AND WHAT PART OF BODY STRAP IS TO GO AROUND.
- A805 PS CUSTOM. CUSTOM LENGTH POSITIONING STRAP (UP CHARGE FOR ANY STRAP OTHER THAN 60" LONG). THIS ADDITIONAL CHARGE IS REQUIRED FOR ANY POSITIONING STRAP THAT IS NOT 60" LONG.

## POWER CONVERTER

## PROGRAMMERS

- A822 UE1E V66 PRGMR. UE1E V66 PROGRAMMER. CAN BE USED TO PROGRAM UE1D OR UE1E ELECTRONICS.

## WHEEL LOCKS