

JET
Power Chairs

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JET 1

Owner's Manual



Stylish Design and Premium Performance[®]

Pride
Mobility Products Australia Pty. Ltd.

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Victoria, Australia

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SAFETY GUIDELINES

Read and follow all of the instructions in this manual before you attempt to operate your power chair for the first time. If you are unable to understand any of this information or require additional assistance for set-up, contact your authorized Pride Provider.

The following symbols will be used throughout this owner's manual to identify warnings and cautions. It is very important for you to read and understand them completely.



WARNING! Failure to heed the warnings in this owner's manual may result in personal injury.



CAUTION! Failure to heed the cautions in this owner's manual may result in damage to your Jazzy.

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I . I N T R O D U C T I O N

Welcome to Pride Mobility Products Corporation (Pride). Congratulations on the purchase of your new Jet Power Chair. The Jet 1 design combines the most advanced state-of-the-art components with modern, attractive styling. We are certain that the design features and trouble-free operation of your new Jet Power Chair will add convenience to your daily living.

At Pride, your safety is important to us. **Please read and follow all of the instructions in this manual before you attempt to operate your Jet for the first time.** These instructions were produced for your benefit. Your understanding of these instructions is essential for the safe operation of your new Jet Power Chair.

Pride is not liable for damage to property or personal injury arising out of unsafe use of a Jet Power Chair. Pride is also not liable for any property damage or personal injury arising out of the failure of any person and or/user to following the instructions and recommendations set forth in this manual or any other instructions or recommendations contained in other Jazzy related literature issued by Pride or contained on the Jet Power Chair itself.

This owner's manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you had purchased.

If you experience any problems with your Jet that your are unable to solve, or if you do not feel capable of safely following any of the instructions and/or recommendations as contained in this manual, please contact your authorized Pride provider for assistance.

Once you understand how to operate and take care of your Jet, we are certain that it will give you years of trouble-free service and enjoyment.

Information Exchange

We want to hear your questions, comments, and suggestions about this manual. We would also like to hear about the safety and reliability of your new Jet Power Chair, and about the service you received from your authorized Pride provider.

Please notify us of any change of address, so we can keep you apprised of important information about safety, new products, and new options that can increase your ability to use and enjoy your Jet. Please feel free to write us at the address below:

Pride Mobility Products Australia Pty. Ltd.
21 Healey Road
Dandenong, 3175
Victoria, Australia

I . I N T R O D U C T I O N

Pride Owners Club

As an owner of a Pride product, you are invited to register your product's warranty and enroll in the Pride Owners Club. You may do so by filling out and returning your enclosed registration card or by visiting Pride's web site at www.pridemobility.com. As a registered member, each time you visit our site, you will have access to the most interactive and honest educational venue available today for people with mobility needs, their families and friends.

From our home page, click on the button that reads "Owners Club" to enter a page dedicated to current and potential Pride product owners. You will gain access to interviews, stories, recreation ideas, daily living tips, product and funding information, and interactive message boards. On these message boards you are invited to speak with other Pride customers as well as Pride representatives who are available to assist you with any questions or concerns you may have. You will receive a free gift simply for registering with the Pride Owners Club.

My Authorized Pride Provider is:

Name: _____

Address: _____

Phone Number: _____

Quick Reference Information:

Jet Model: _____

Serial Number: _____

Purchase Date: _____

NOTE: If you ever lose or misplace your warranty card or your copy of this manual, call or write to us and we will be glad to send you a new one immediately.

II. SAFETY

Your Jet 1 is a state-of-the-art, life-enhancement device designed to increase your mobility. There are certain situations, including some medical conditions, where you will need to practice operating your Jet 1 in the presence of an attendant. Below are some safety tips that are designed to help you become accustomed to operating your new Jet 1 safely.



WARNING! Your Jet 1 is a motorized vehicle. When you are seated in your Jet 1 and you anticipate that you are going to be in a stationary position for an extended period of time, turn off the power. This will eliminate the possibility of inadvertent chair movement and conserve battery power.

TRANSFERS

Transferring onto and off of your Jet 1 requires a good sense of balance. Be sure to have an attendant or health care professional present while learning to properly transfer yourself. To eliminate the possibility of injury, we ask that you verify the following before attempting a transfer:

1. Be sure the power is turned off. See VII. "Operation."
2. Be sure your Jet 1 is not in freewheel mode. See III. "The Jet 1."
3. Make sure the armrests are flipped up or removed from your Jet 1.
4. Flip the footrest up or move the leg rests aside; this will help to keep your feet from getting caught on the footrest or on the leg rests during the transfer.



WARNING! Avoid putting all of your weight on the footrest. This may cause the Jet 1 to tip and cause injury.

MOTOR VEHICLE TRANSPORT

Though your Jet 1 may be equipped with a positioning belt, this belt was not designed with the intent of providing proper restraint during motor vehicle transport.

- Never sit on or allow anyone to sit on your Jet 1 when it is in a moving vehicle.
- Always be sure your Jet 1 is properly secured when it is being transported.

WEIGHT LIMITATIONS

Your Jet 1 is rated for a maximum 113-kg weight limit.



WARNING! Exceeding the weight limit will void your warranty and may result in personal injury.

STAIRS AND ESCALATORS



WARNING! Power chairs are not designed to travel up or down stairs or escalators. Always use an elevator. If you try to navigate steps or escalators, you can cause injury to yourself and to others.

II. SAFETY

PUBLIC ROADS AND PARKING LOTS



WARNING! Do not operate your Jet 1 on public streets and roadways. Please be aware it may be difficult for traffic to see you when you are seated in your Jet 1. To ensure your safety, always assume you cannot be seen. Obey all local pedestrian traffic rules. Safety accessories like reflectors, fluorescent flags, and various lighting packages are available to order from your Pride provider.

STEPS AND KERBS



WARNING! Never attempt to have your Jet 1 climb or descend a step or a kerb that is higher than 5 cm unless you have the assistance of an attendant. Never attempt to have your Jet 1 proceed backwards down any step, kerb, or other obstacle. Doing so could cause your Jet 1 to tip.

INCLINES AND UNEVEN TERRAIN

When climbing an incline, try to keep your Jet 1 moving. If you must stop, start up again slowly, and then accelerate cautiously.

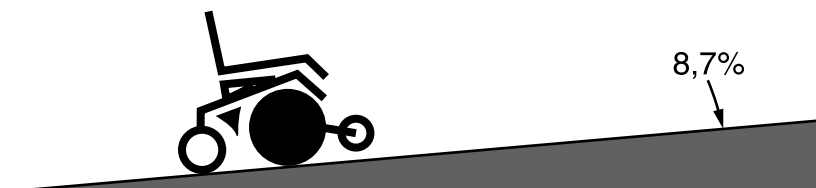


WARNING! When climbing an incline, do not zigzag or drive at an angle up the face of the incline. Drive your Jet 1 straight up the incline. This will greatly reduce the possibility of a tip or a fall. Always exercise extreme caution when negotiating an incline. Never travel up or down an incline that can be potentially hazardous (for example, areas covered with snow, ice, or cut grass).

When driving down an incline, do so slowly and in the forward direction only. If your Jet 1 starts to move faster than you anticipated or desired it would, allow the chair to come to a complete stop by releasing the joystick. Push the joystick slightly forward and continue traveling slowly down the incline.

MAXIMUM RECOMMENDED INCLINE

Pride has performed extensive incline testing with the Jet 1. Our results show that the maximum incline your Jet 1 can safely climb is 8,7% at maximum weight capacity. The angle of most handicap access ramps is 8,7%. Any attempt to climb a steeper slope may put your Jet 1 in an unstable position.



III. THE JET 1

Your Jet 1 has two main assemblies: the seat and the power base. See figures 1 and 2. Typically, the seat assembly includes the armrests, seatback, seat base, and a joystick/controller. Your Jet 1 seat may also have some optional accessories attached to it, such as a basket, a cane/crutch holder, a cup holder, or a power seat switch. See X. "Options and Accessories."

The power base is the heart of your Jet 1. The power base assembly includes two drive wheels, two anti-tip wheels, two rear caster wheels, a footrest, and a body shroud.

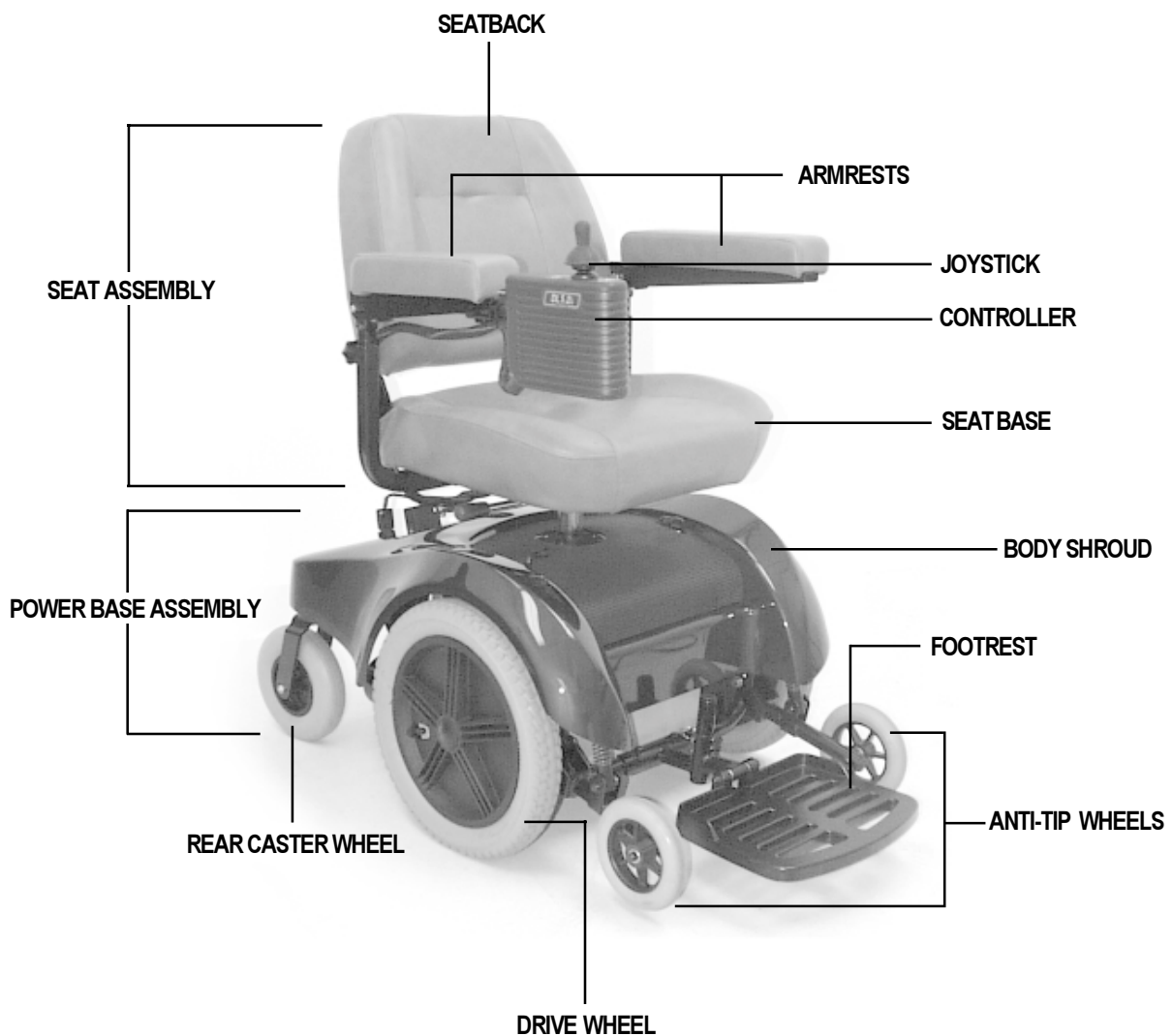


Figure 1. The Jet 1

III. THE JET 1

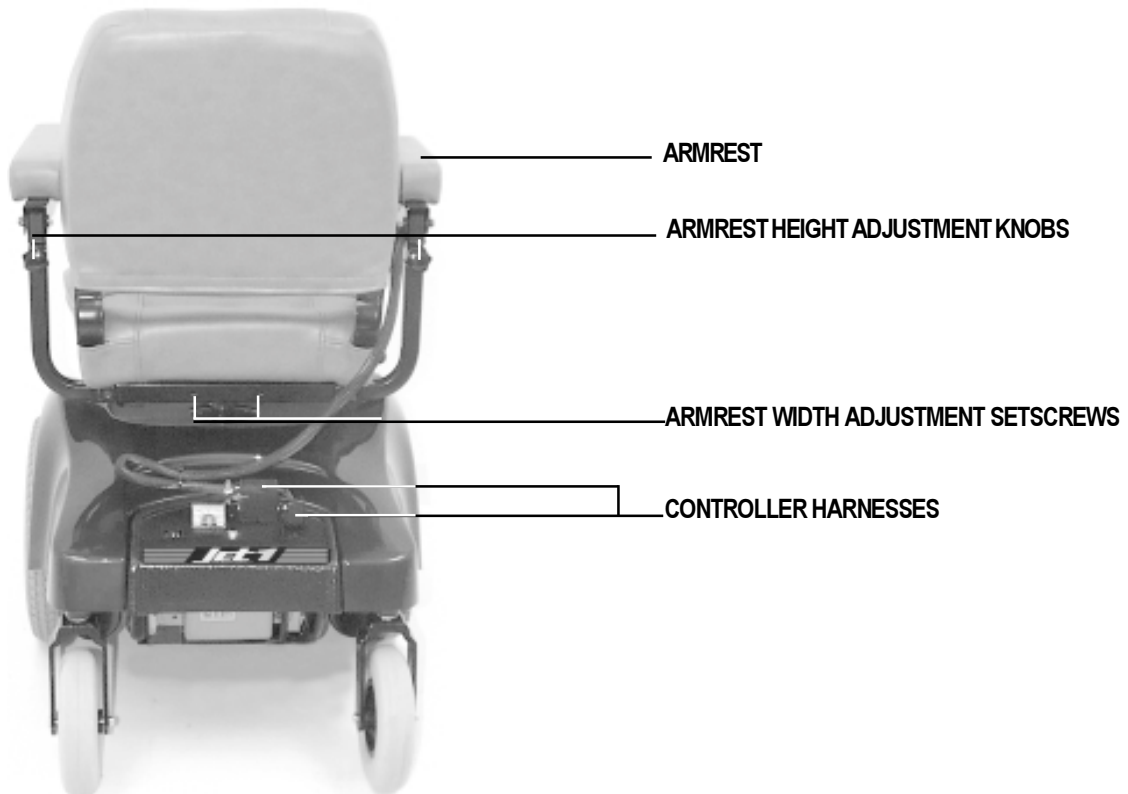


Figure 2. Rear View



Figure 3. Battery Charger Cord

III. THE JET 1

Specifications	
Suspension:	Drive Wheels: 36 cm, pneumatic, center mounted (solid tyres are optional) Rear Casters: 20 cm, solid, rear articulating Anti-tip: 15 cm, solid, front mounted
Max. Speed:	7 km/hr
Brakes:	“Intelligent Braking,” electronic regenerative, disc park brake
Ground Clearance:	9 cm
Turning Radius:	50 cm
Overall Size:	Length: 98 cm Width: 58 cm
Seating Options:	Gray vinyl medium-back
Drive Train:	Two motor, mid wheel
Batteries:	NF-22 batteries
Range:	Up to 40 km
Battery Charger:	Onboard
Electronics:	50-amp Dynamic DL Controller
Weight Capacity:	113 kg
Jet 1 Weights:	Base: 38 kg Seat: 13 kg Batteries: 17 kg
Warranty:	Five year limited warranty on frame One year warranty on electronics One year warranty on drive motors

III. THE JET 1

UTILITY TRAY

The utility tray is located on the rear of your Jet 1. The utility tray is exposed through the body shroud. The utility tray consists of the battery charger power cord outlet, the ammeter, the main circuit breaker, and the joystick controller harness connectors.

- **Ammeter:** The ammeter displays the charger's current output in amps. See figure 4. For more information, see VII. "Operation."
- **Battery charger power cord outlet:** This is where your battery charger power cord plugs in. See figure 4. The battery charger power cord is not attached to the unit at all times. See figure 3. For more information, see VIII. "Batteries and Charging."
- **Main circuit breaker:** The main circuit breaker is a safety feature built into your Jet 1. See figure 4. When the batteries and the motors are heavily strained (e.g., from excessive loads), the main circuit breaker will trip to prevent damage to the motors and the electronics. If the circuit trips, allow your Jet 1 to "rest" for approximately one minute. Next, in the circuit breaker button, turn on the joystick controller and continue normal operation. If the main circuit breaker continues to trip repeatedly, contact your authorized Pride provider.
- **Joystick controller harness connectors:** This is where the joystick connects to the motors, batteries, and charger. If your Jet 1 is equipped with a Dynamic DL controller, there are two connectors on the tray. See figure 4.

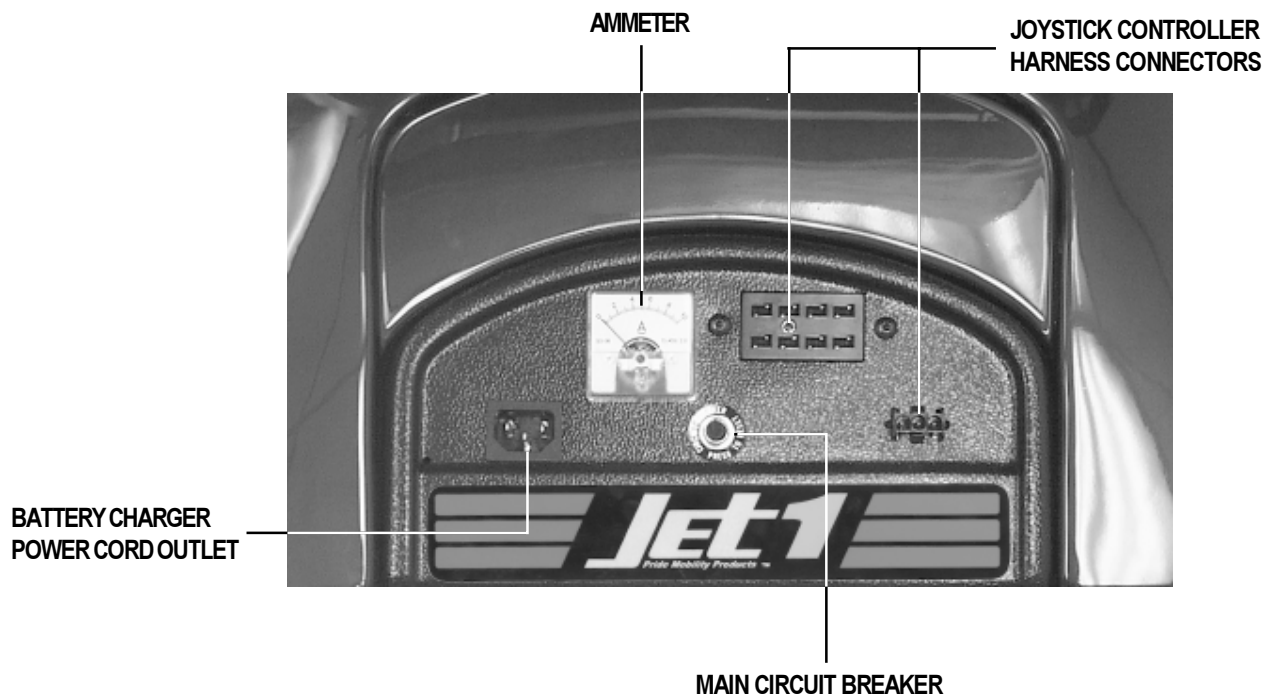


Figure 4. Utility Tray

III. THE JET 1

FREEWHEEL LEVERS

For your convenience, your Jet 1 is equipped with two freewheel levers. See figures 5 and 6. These levers allow you to disengage the drive motors and maneuver the chair manually.



WARNING! DO NOT use your Jet 1 while the drive motors are disengaged unless you are in the presence of an attendant! DO NOT disengage the drive motors when your Jet 1 is on an incline. The chair could roll down on its own, causing injury!

To engage or disengage the freewheel feature:

1. Turn the freewheel levers outward to disengage the drive motors. See figure 5.
2. Turn the freewheel levers inward, to engage the drive motors. See figure 6.

NOTE: It is important to remember that when your Jet 1 is in freewheel mode, the braking system is disengaged.

If a lever is difficult to move in either direction, rock your Jet 1 back and forth slightly. The lever should then move to the desired position.



Figure 5. Drive Disengaged

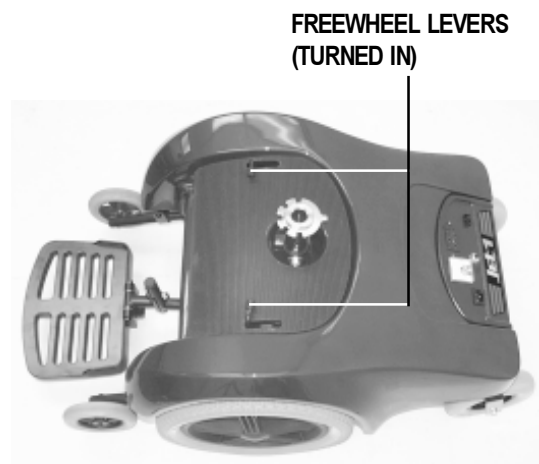


Figure 6. Drive Engaged

IV. ASSEMBLY

To reduce the possibility of shipping damage, your Jet 1's seat is removed from the power base, and the seatback is removed from the seat assembly before your Jet 1 is shipped. The joystick may have also been removed from the armrest. The following is a set of instructions to help you quickly and easily prepare your Jet 1 for immediate use.

Required Tool: Phillips screwdriver

Parts List	Quantity
Phillips-head seatback mounting screws	4
Knobs - arm width adjustment	2
Expandable arm	1
Expandable arm with joystick	1
Seatback	1
20 cm wire ties	4

SEATBACK ASSEMBLY

The seatback mounts to the back hinges with four (4) Phillips-head screws. To get to the hinges, lift up the reusable fasteners flap which covers them in the back. You may install the seatback before or after you install the seat to the power base.

To mount the seatback to the hinge:

1. Line up the hinges with the holes in the seatback. See figure 7.
2. Insert the Phillips-head screws through the hinge and into the seatback.
3. Tighten the four screws.

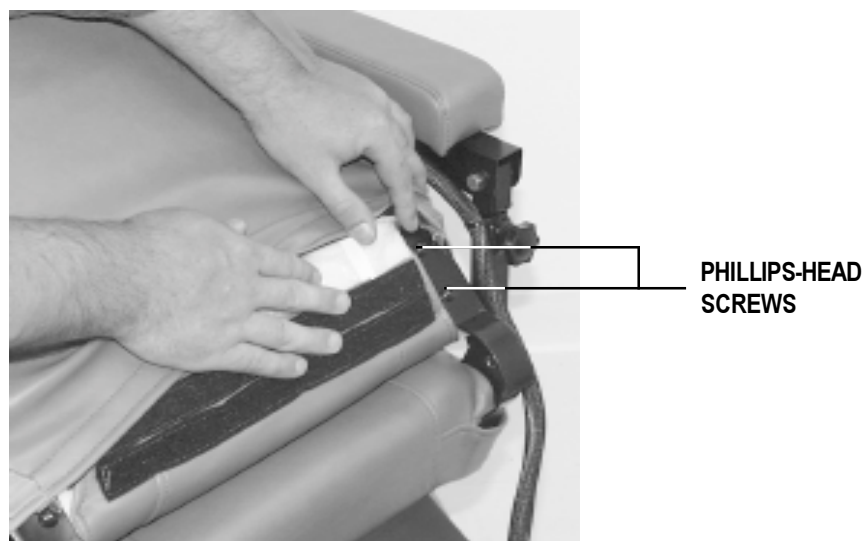


Figure 7. Seatback Assembly

IV. ASSEMBLY

SEAT INSTALLATION

To install the seat:

1. Set the seat on the seat tower. See figure 8.
2. Push the seat down until the latch engages. See figure 9.
3. Plug the controller harness into the connector on the utility tray. See figure 10A.

CHARGER INHIBIT PLUG CONNECTION

The charger inhibit connector, located on the utility tray, is coded with coloured dots. The dots are positioned so that the flat side of the male connector aligns with the flat side of the female connector while making the connection. See figure 10B.



WARNING! Failure to properly align the connectors can result in damage to the controller, the charger, the charger harness, and the connectors.

JOYSTICK INSTALLATION

If your Jet 1 is equipped with a Dynamic DL joystick controller without the power seat option, it may have been shipped without the joystick installed in the armrest. See figure 11.

To install the joystick controller:

1. Use a 3/16-in. hex key to loosen the setscrew. See figure 12.
2. Slide the joystick mounting bracket into or out of the armrest to the desired position.
3. Retighten the setscrew by turning it clockwise.



Figure 8. Seat tower



Figure 9. Seat Installation



Figure 10A. Controller Harnesses

PLUG IN CONTROLLER HARNESES

IV. ASSEMBLY

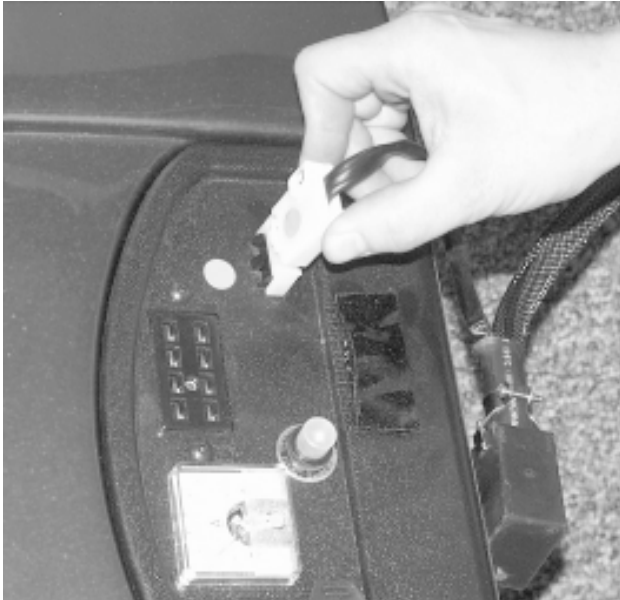


Figure 10B. Charger Inhibit Connector



Figure 11. Dynamic DL Joystick Controller

SLIDE JOYSTICK
INTO BRACKET



SETSCREW

Figure 12. Joystick And Bracket

V. COMFORT ADJUSTMENTS

After you have become familiar with your Jet 1's operation, you may find the need to adjust the seat. There are some adjustments you can make to increase your comfort, such as seat height and angle, armrest height and angle, footrest height and angle, and joystick position.



CAUTION! If your Jet 1 was configured at your authorized Jet 1 provider, please consult your health care professional before changing the seat position or making any other adjustment. Some adjustments may degrade your Jet 1's performance and safety by changing its center of gravity.

SEAT HEIGHT AND ANGLE

You can change the seat height manually.

To change the seat height:

1. Remove the seat. See VI. "Disassembly."
2. Remove the nut and bolt from the seat tower. See figure 13.
3. Raise or lower the seat tower to the desired position.
4. Install the nut and bolt into the seat tower.
5. Install the seat.

You can change the seat angle by either raising or lowering the seat towers (front or rear).

ARMREST WIDTH ADJUSTMENT

To change the armrest width:

1. Locate the two setscrews on the armrest receiver bracket. See figure 14.
2. Loosen the setscrews and slide the armrests in or out to the desired width.
3. Tighten the setscrews.

NUT AND BOLT



Figure 13. Seat Tower Nut And Bolt



Figure 14. Armrest Width

LOOSEN SETSCREWS TO MOVE ARMREST

V. COMFORT ADJUSTMENTS

ARMREST ANGLE ADJUSTMENT

You can adjust the armrest angle to fit your specific needs. See figure 15.

To change the armrest angle:

1. Lift the armrest straight up so that it is perpendicular to the floor.
2. Use a 1/2-in. wrench to loosen the jam nut. See figure 15.
3. Use a 1/2-in. wrench to loosen the adjusting screw.
4. Turn the screw clockwise to lower the front of the armrest, or turn the screw counterclockwise to raise the front of the armrest.
5. Lock the adjusting screw into place by tightening the jam nut.

TURN THIS
SCREW TO
CHANGE
ARMREST
ANGLE

JAM NUT
LOCKS
ADJUSTING
SCREW IN
PLACE

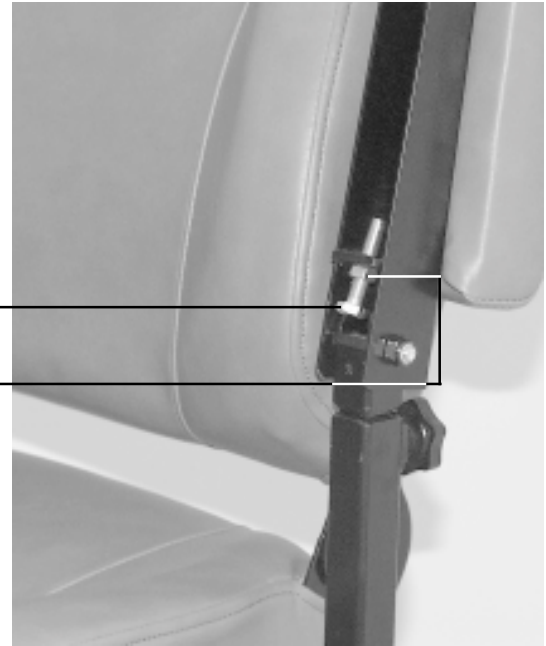


Figure 15. Armrest Angle Adjustment

ARMREST HEIGHT ADJUSTMENT (OPTIONAL)

Your Jet 1 may be equipped with height-adjustable armrests.

To change the armrest height:

Loosen the knob located underneath the armrest, raise bar to set height, and re-tighten knob.

JOYSTICK EXTENSION ADJUSTMENT

The joystick control can easily slide out away from the armrest, or in toward the armrest. See figure 16.

To extend the joystick:

1. Use a 5 mm hex key to loosen the setscrew.
2. Slide the joystick mounting bracket into or out of the armrest to the desired position.
3. Tighten the setscrew by turning the hex key clockwise.

LOOSEN
THIS
SETScrew
TO ADJUST
JOYSTICK



Figure 16. Joystick Extension

V. COMFORT ADJUSTMENTS

FOOTREST HEIGHT

The footrest height is easily adjusted to one of six different heights in 2,5 cm increments.

To raise or lower the footrest:

1. Remove the two 7/16-in. bolts and their nuts from the footrest. See figure 17.
2. Raise or lower the footrest to the desired height.
3. Reinstall the two 7/16-in. bolts and nuts into the footrest and tighten.

FOOTREST ANGLE

You can adjust the angle of the footrest with a 7/32-in. hex key and a 1/2-in. box wrench. See figure 18.

To adjust the footrest angle:

1. Loosen the jam nut.
2. Turn the setscrew clockwise to lower the front of the footrest.
3. Turn the setscrew counterclockwise to raise the front of the footrest.
4. Tighten the jam nut.

SWING-AWAY FOOTRESTS OPTION

Swing-away Footrests (SFRs) are an option. They enable you to move the leg rest to the side before getting off your Jet 1.

To move the SFRs:

1. Push in the SFR release lever. See figure 19.
2. Move the SFRs away.

ELEVATING LEG RESTS OPTION

Elevating Leg Rests (ELRs) offer an infinite range of adjustment for the leg angle and a footrest adjustment range of 30 - 48 cm.

To adjust the ELR angle:

1. Press the release lever. See figure 20.
2. Move the leg rest to the desired angle.

To adjust the ELR footrest height:

1. Remove the two leg rest adjustment screws from the side of each leg rest extension. See figure 21.
2. Loosen the leg rest adjustment bolt on the side of each leg rest extension.

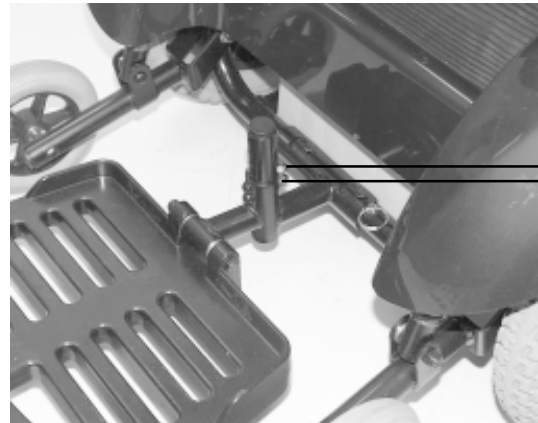


Figure 17. Footrest Height

REMOVE THESE NUTS AND BOLTS
TO RAISE OR LOWER THE FOOTREST

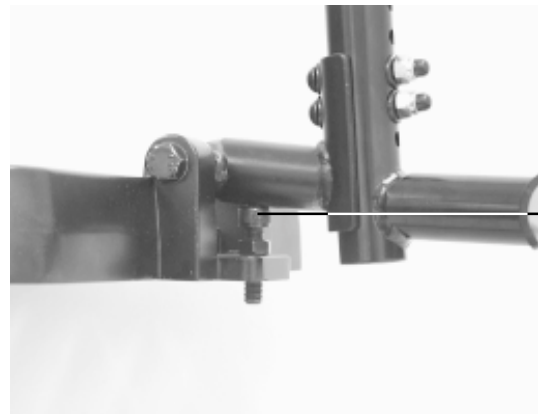


Figure 18. Footrest Angle

TURN SETSCREW TO
CHANGE FOOTREST ANGLE



Figure 19. Swing-away Footrests

V. COMFORT ADJUSTMENTS

3. Slide the leg rest in or out to the desired length.
4. Tighten the bolt and reinstall the two screws on each leg rest extension.

ANTI-TIP WHEEL ADJUSTMENT

The anti-tip wheels are designed to give your Jet 1 increased stability on rough surfaces. The anti-tip wheels are preset at the factory to a height of 2 cm off of the ground. This setting is for smooth surfaces or indoor use only. If you plan on using your Jet 1 on rough surfaces, it may be necessary to adjust the anti-tip wheels to better suit your needs.

The anti-tip wheels may need adjustment if either of the following occur:

- When coming to a stop, your Jet 1 tips forward excessively.
- The anti-tip wheels constantly rub the ground.

Required Tool: 13 mm wrench

NOTE: Each drive tyre must have at least 30 lbs. of air pressure in order for the anti-tip wheels to be properly adjusted.

To adjust the anti-tip wheels:

1. Remove the seat and body shroud.
2. Adjust the 13 mm anti-tip adjustment nut so that the anti-tip wheel is 1,2 cm to 2,5 cm off of the ground. Turn the nut clockwise to raise the anti-tip wheel and counterclockwise to lower the anti-tip wheel. See figure 22.

NOTE: The higher you raise the anti-tip wheels, the more tendency your Jet 1 will have to tilt forward when coming to a stop. You can compensate for this by making a small adjustment to the preprogrammed deceleration setting in the controller.

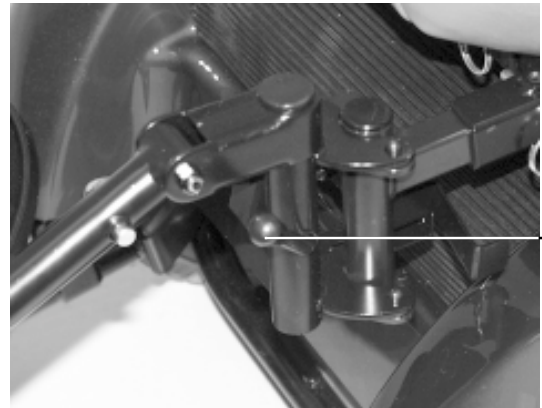


Figure 20. Elevating Leg Rests

RELEASE LEVER

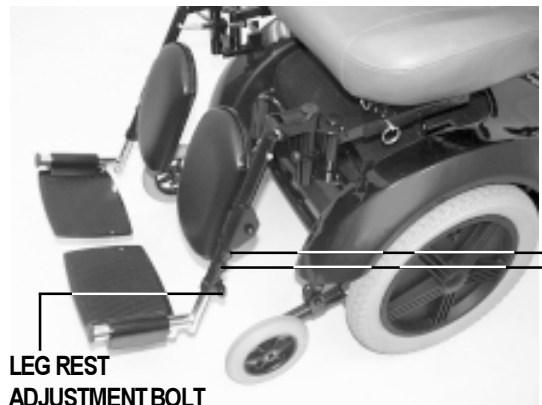


Figure 21. Elevating Leg Rests

LEG REST ADJUSTMENT SCREWS



Figure 22. Anti-tip Adjustment

VI. DISASSEMBLY

SEAT REMOVAL

You may wish to remove the seat for transportation. See figure 23.

To remove the seat:

1. Turn the power off.
2. Make sure your Jet 1 is not in freewheel mode.
3. Unplug the main wire harness behind the seat.
4. Push the lever (located underneath the seat) toward the front of the seat. If the joystick controller is on the right, swivel the seat clockwise and then pull the seat upward. If the joystick controller is on the left, swivel the seat counterclockwise and then pull the seat upward.



Figure 23. Removing The Seat

BODY SHROUD REMOVAL

The body shroud is a one-piece, molded plastic body that covers the power base frame. It helps protect the Jet 1 components from the environment. It also provides mounting points for lights and the standard light switch. You must remove the body shroud in order to change the batteries and check the cable connections.

To remove the body shroud:

1. Turn the power off.
2. Make sure your Jet 1 is not in freewheel mode. See III. “The Jet 1.”
3. Unplug the controller wiring harness.
4. Remove the seat.
5. Disconnect the lighting harness (if your Jet 1 is equipped with lights).
6. Lift the body shroud straight up. The body shroud is attached to the metal frame by reusable fasteners. The body shroud should lift up easily.



WARNING! Your Jet 1 batteries weigh approximately 17 kg each. Lifting weight above your capacity could result in injury.

BATTERY REMOVAL

To remove the batteries:

1. Turn the power off.
2. Disconnect the controller harness.
3. Remove the seat and lift off the body shroud.
4. Remove the battery post caps (both red and black).
5. Unscrew the wing nuts on (+) red battery terminals, one at a time.
6. Remove the (+) red battery cables from the battery posts; be sure to secure them away from the batteries.
7. Loosen the wing nuts on (-) black battery terminals.
8. Remove the (-) black cables and secure them away from the batteries.
9. You can now remove the batteries from your Jet 1.

VII. OPERATION

You control the speed and direction of your Jet 1 with the joystick controller.



WARNING! Do not use the on/off key to stop the chair. This may cause injury.

To operate your Jet 1:

1. Turn it on (push the on/off button). The battery condition meter will light, indicating the present charge of your battery.
2. Push the joystick in the direction you wish to move. The further you push the joystick from the neutral (center) position, the faster your Jet 1 moves.



WARNING! Always turn the power off when you are stationary to prevent unexpected movement.

The Jet 1 features a Dynamic DL joystick controller. See figure 24. The controller translates the speed and the directional information from the joystick to the motors. It has self-diagnostic features that are designed to search for potential problems at the rate of 100 times per second. If the controller detects a problem in the power chair's electrical system, the power chair may, depending on the severity of the problem, stop functioning (see "Trouble Codes").

The controller is designed to maximize user safety under normal operating conditions. This controller, however, cannot take into account circumstances that put your Jet 1 outside of its normal operating environment. It is very important that you follow the precautions described within this manual.

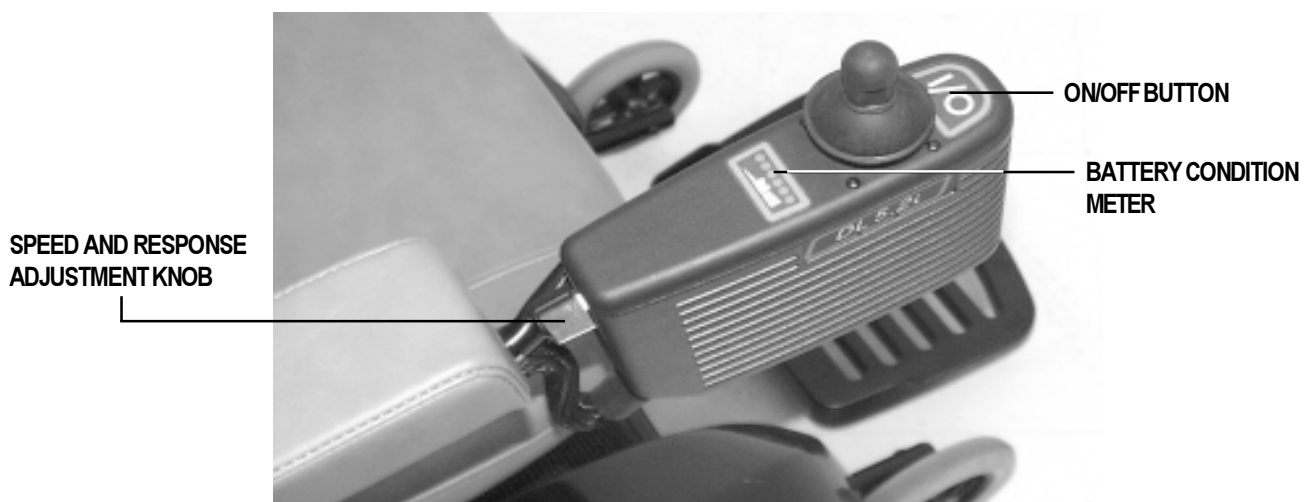


Figure 24. Dynamic DL Joystick Controller

VII. OPERATION

JOYSTICK FUNCTIONS

The joystick function is similar for all controller configurations. The joystick controls the direction and speed of the power chair. See figure 25. When you move the joystick from the neutral (center) position, the electromagnetic brakes release and allow the power chair to move. The further you push the joystick from its neutral position, the faster your Jet 1 moves. When you release the joystick and allow it to return to the neutral position, you engage the electromagnetic brakes. This causes the chair to decelerate and come to a complete stop. If your Jet 1 begins to move in an unexpected manner, immediately release the joystick. Unless the joystick is damaged, this action should stop your Jet 1.

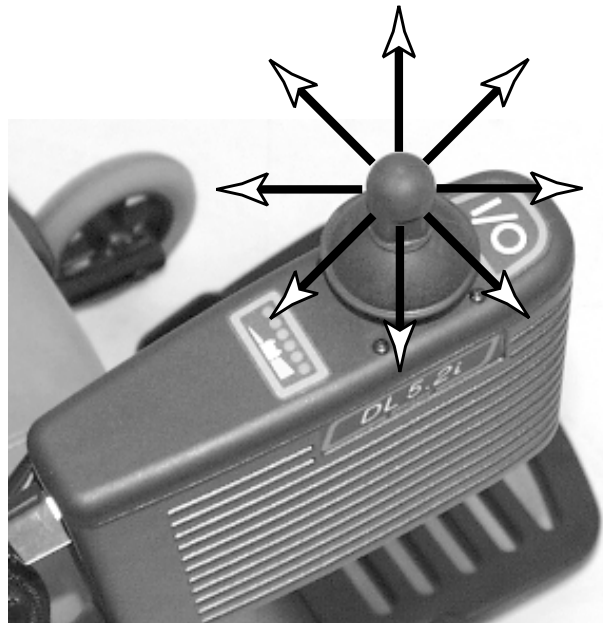


Figure 25. Joystick Functions

Speed and Response Adjustments

Dynamic DL controller joysticks have only one knob that combines the speed and response functions. See figure 24. When you increase the speed, you decrease the sensitivity. When you decrease the speed, you increase the sensitivity.

NOTE: We recommend that you turn the speed and response knob to the slowest setting the first few times you operate your Jet 1 to allow you to become familiar with your new power chair.

Charger Inhibit Plug Connection

The charger inhibit connector on the utility tray is coded with colored dots. The dots are positioned so that you align the flat side of the male connector with the flat side of the female connector before making the connection.



CAUTION! Failure to properly align the connectors can result in damage to the controller, the charger harness, and the connectors.

VII. OPERATION

Battery Condition Meter

The battery condition meter is located immediately behind the joystick. This enables you to monitor battery life. The battery condition meter indicates the approximate amount of battery life left. See figure 24.

- Red, yellow, and green circles indicate that the batteries are fully charged.
- Red and yellow circles indicate that you should charge the batteries if possible.
- Red circles indicate that you should charge the batteries as soon as possible, because low battery voltage may cause your Jet 1 to become inoperative.

NOTE: When the batteries begin to approach a discharged state, the first red bar will begin to flash slowly, reminding you that the batteries need to be charged immediately!

Trouble Codes

In addition to indicating the current state of battery charge, the battery condition meter can also indicate possible problems with your Jet 1. If the battery condition meter is flashing rapidly, the controller may be indicating a fault.

The meter has six individual circles. These circles are meant to provide information by the number of circles that are flashing. For instance, trouble is encoded as one (for a low battery voltage) to six (for a motor stalled or joystick out of neutral time out) and displayed by flashing all LEDs the number of times given by the trouble code. The following is a list of the possible errors signified by the rapidly flashing meter.

Flash Code Sequence	Diagnosis	Solution
•—•—•—	Low Battery Voltage	Check Batteries/Battery Wiring
••—••—••—	High Battery Voltage	Check Batteries
•••—•••—	Left Motor Disconnected	Check Left Motor Wiring
••••—••••—	Right Motor Disconnected	Check Right Motor Wiring
•••••—•••••—	Brake Connection Fault	Check Motor/Brake Wiring
••••••—••••••—	Controller Fault	See Authorized Pride Provider
•••••••—•••••••—	Motor Stalled or Joystick out of Neutral Time Out	Reset the Power On/Off Button

“•” means all 6 LED’s flash on for a period of 0,2 seconds and off for 0,8 seconds.

“—” means all 6 LED’s are off for a period of two seconds before flashing sequence repeats.

If you cannot resolve your problem, see your authorized Pride provider.

VIII. BATTERIES AND CHARGING

BATTERIES

Your Jet 1 uses two long-lasting, 12-volt, deep-cycle batteries. These batteries are sealed and maintenance-free. Since they are sealed, there is no need to check the electrolyte (fluid) level. Deep-cycle batteries are designed to handle a longer and deeper discharge. Though they are similar in appearance to automotive batteries, they are not interchangeable. Automotive batteries are not designed to handle a long, deep discharge, and also are unsafe for use in power chairs.



WARNING! Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

CHARGING THE BATTERIES

The battery charger is essential in providing long life for your Jet 1 batteries. See figure 26. The battery charger is designed to optimize your Jet 1's performance by charging the batteries safely, quickly, and easily. The charging system consists of the battery charger, the charger fuse, and the ammeter. See figures 26 and 27. The onboard charger is located underneath the utility tray. The ammeter is located on the utility tray for easy viewing. The charger has an in-line fuse that protects the ammeter. The ammeter indicates the rate of charge necessary to fully recharge the batteries. It is also a good indication of whether or not the charger is working. The ammeter and the charger are only functional when the charger power cord is plugged into a wall outlet.



WARNING! Never use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard wall outlet.

NOTE: You must recharge your Jet 1's batteries with the supplied onboard or the supplied off-board charging system. Do not use an automotive-type battery charger.

To charge the batteries using the onboard charger:

1. Position the rear of your Jet 1 close to a standard wall outlet.
2. Be certain the controller power is turned off and the freewheel levers are in the engaged position. See III. "The Jet 1."
3. Remove the battery charger cord from the back pouch of your Jet 1 and plug it into the battery charger power outlet located on the utility tray. See figure 27.

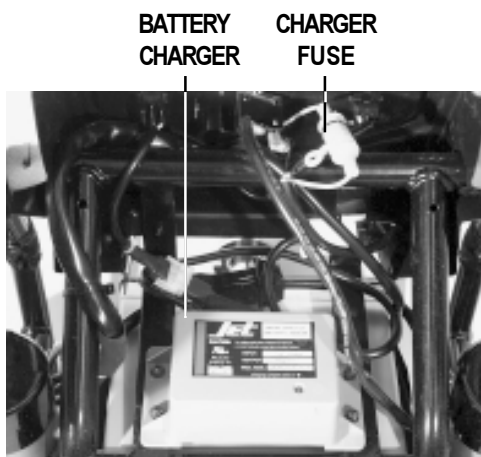


Figure 26. Onboard Battery Charger

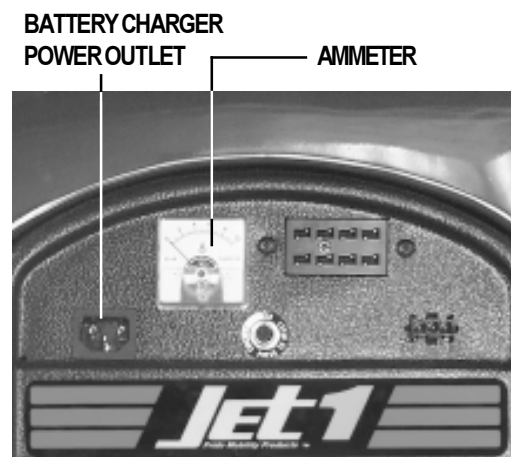


Figure 27. Utility Tray

VIII. BATTERIES AND CHARGING

4. Extend the charger power cord and plug it into the wall outlet. The Jet 1 incorporates an inhibit function that disables the power chair when the charger is plugged into a wall outlet.
5. The ammeter indicates how much charge is needed to fully charge the batteries. Wait about a minute for the charger to warm up. The ammeter may move as high as 5,5 amps, then gradually move back down to zero amps as the batteries charge.
6. We recommend you charge the batteries for 8 to 14 hours. As the batteries charge, the ammeter needle slowly drops to zero. When the batteries are fully charged, the needle vibrates on or about the zero mark on the ammeter scale.
7. When your Jet 1's batteries are fully charged, you can unplug the power cord from the wall outlet, wind it up using the hook and loop strap, and place the cord back into the Jet 1's back pouch.

OFF-BOARD CHARGER

If your Jet 1 is equipped with an off-board charger, follow these instructions.

1. Position your Jet 1 next to a standard wall outlet.
2. Be certain the controller power is turned off.
3. Remove the run plug located on the utility tray to activate the inhibit function.
4. Plug the 3-pin extension cable to the charger, then into the utility tray connector.
5. Plug the charger into the wall outlet.
6. The ammeter indicates how much charge is needed to fully charge the batteries. Wait about a minute for the charger to warm up. The ammeter should move all the way up to 5 amps, then gradually move back down to 0 amps.
7. We recommend you charge the batteries for 8 to 14 hours. As the batteries charge, the ammeter needle will slowly drop to zero. When the batteries are fully charged, the needle vibrates on or about zero on the ammeter scale.
8. When your Jet 1's batteries are fully charged, disconnect the charger cord from the wall outlet.
9. Disconnect the charger from the rear utility tray.
10. Reconnect the run plug into its connector.

NOTE: If the run plug is not reconnected, your Jet 1 will not run.

11. Replace the rear cover.

BATTERY BREAK-IN

To break in new batteries for maximum efficiency:

1. Fully recharge any new battery prior to its initial use. This brings the battery up to about 90% of its peak performance level.
2. Operate your Jet 1 throughout the house and yard. Move slowly at first, and don't stray too far until you become accustomed to the controls and break in the batteries.
3. Give the batteries another full charge of 8 to 14 hours and operate your Jet 1 again. The batteries will now perform at over 90% of their potential.
4. After four or five charging cycles, the batteries will top off at 100% charge and last for an extended period.

VIII. BATTERIES AND CHARGING

BATTERIES AND CHARGING—FREQUENTLY ASKED QUESTIONS (FAQS)

How does the charger work?

The battery charger takes the standard wall outlet voltage and converts it to 24 VDC (direct current). The Jet 1 batteries use direct current to run your power chair. When the battery voltage is low, the charger works harder to charge the battery. This is why the charging ammeter initially reads 5 or more amps. As the battery voltage approaches full charge, the charger doesn't work as hard to complete the charging cycle. This explains why the charging ammeter drops as it approaches a full charge. When the battery is fully charged, the amperage from the charger is nearly at zero. This is how the charger maintains a charge but does not overcharge the battery.

Can I use a different battery charger?

You should use the charger supplied with the Jet 1. It is the safest, most efficient tool to charge the batteries. We do not recommend using other types of chargers (e.g., an automotive battery charger). Your Jet 1's charger will not operate after the batteries have been discharged to nearly zero voltage. If this happens, call your authorized Pride provider for assistance.

How often must I charge the batteries?

Many factors come into play when deciding how often to charge the batteries. You may use your Jet 1 all day on a daily basis or you may not use it for weeks at a time.

■ **Daily Use**

If you use your Jet 1 on a daily basis, charge the batteries as soon as you are finished. Your Jet 1 will be ready each morning to give you a full day's service. It is recommended that you charge the batteries 8 to 14 hours after daily use. Do not charge the batteries for more than 24 hours at a charging cycle.

■ **Infrequent Use**

If you use your Jet 1 infrequently (once a week or less), you should charge the batteries at least once per week for 12 to 14 hours.

NOTE: Keep your batteries fully charged and avoid deeply discharging your batteries. Do not charge the batteries for more than 24 hours at a charging cycle.

How can I get maximum range or distance per charge?

Rarely do you have an ideal driving situation such as smooth, flat, hard terrain with no wind, hills or curves. More often you are presented with hills, footpath cracks, uneven and loosely packed surfaces, curves, and wind. All of these factors will affect the distance or running time per battery charge. Below are a few suggestions for obtaining the maximum range per charge:

- Always charge the batteries fully prior to your trip.
- Maintain 30 – 35 psi in pneumatic drive wheels.
- Plan your trip in advance to avoid inclines if possible.
- Limit baggage weight to essential items.
- Try to maintain an even speed and avoid stop-and-go driving.

VIII. BATTERIES AND CHARGING

What type of battery should I use?

We recommend deep-cycle batteries that are sealed and maintenance free. Both sealed lead- acid (SLA) and gel cell are deep-cycle batteries that are similar in performance.

Use these specifications to reorder deep-cycle batteries:

Battery Specifications	
Type:	Deep-cycle sealed lead-acid or gel cell
Size:	NF-22
Voltage:	12V each

Why do my new batteries seem weak?

Deep-cycle batteries employ a much different chemical technology than that used in car batteries, nickel-cadmium (nicads), or in other common battery types. Deep-cycle batteries are specifically designed to provide power, drain down their charge, and then accept a relatively quick recharge. Lead-acid batteries should be charged as often as possible. They do not have a “memory” like nickel-cadmium batteries.

We work closely with our battery manufacturer to provide a battery that best suits your Jet 1’s specific demands. Fresh batteries arrive regularly at Pride and are promptly shipped with a full charge. During shipping, the batteries encounter temperature extremes that may influence initial performance. Heat robs the charge from the battery, and cold slows the power available and extends the time needed to recharge the battery (just as with a car battery).

It might take a few days for the temperature of the battery to stabilize and adjust to its new ambient temperature. More importantly, it will take a few “charging cycles” (a partial drain— then a full recharge) to establish the critical chemical balance that is essential to the battery’s peak performance and long life. It will be well worth it to take the time to break in your battery properly.

NOTE: The useful life of a battery is quite often a reflection of the care it receives.

How can I ensure maximum battery life?

A fully charged deep-cycle battery will provide reliable performance and extended battery life. Keep your Jet 1’s batteries fully charged whenever possible. Batteries that are regularly and deeply discharged, infrequently charged, or stored without a full charge may be permanently damaged causing unreliable Jet 1 operation and limited battery life.

VIII. BATTERIES AND CHARGING

How should I store my Jet 1 and its batteries?

If you do not use your Jet 1 regularly, we recommend maintaining battery vitality by charging the batteries at least once per week.

If you do not plan on using your Jet 1 for an extended period, fully charge the batteries prior to storage. Disconnect the battery harnesses and store the Jet 1 in a warm, dry environment. Avoid temperature extremes, such as freezing and excessively hot conditions, and never attempt to charge a frozen battery. A cold or frozen battery should be warmed for several days prior to recharging.

NOTE: If you are storing a Jet 1 for an extended period of time, you may wish to block the unit up with several boards under the frame. This will keep the tyres off the ground and prevent the possibility of flat spots developing.

What about shipping?

If you wish to use a freight company to ship your Jet 1 to your final destination, repack your Jet 1 in the original shipping container and ship the batteries in separate boxes.



WARNING! Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

IX. CARE AND MAINTENANCE

ROUTINE MAINTENANCE

Your Jet 1 is a sophisticated power chair. Like any motorized vehicle, it requires routine maintenance checks. You can perform some of these checks, but others require assistance from your authorized Pride provider. Preventive maintenance is very important. If you follow the maintenance checks in this section as scheduled, you can help ensure that your Jet 1 gives you years of trouble-free operation. If you have any doubt as to your Jet 1's care or operation, contact your Pride provider.

Your Jet 1, like most electrical equipment, is susceptible to damage from the elements. Avoid damp areas of any kind. Direct exposure to water or dampness could cause the power chair to malfunction electronically and mechanically. Water can cause electrical components to corrode and the chair's frame to rust.

Should your Jet 1 come in contact with water:

1. Dry your Jet 1 as much as possible with a dry towel.
2. Allow your Jet 1 to sit in a warm dry place for twelve hours to allow unseen water to evaporate.
3. Check the joystick operation and the brakes before using your Jet 1 again.
4. If any inconsistencies are found, take your Jet 1 to your authorized Pride provider.

TEMPERATURE

Some of the parts of your Jet 1 are susceptible to extreme changes in temperature. Always keep your Jet 1 between the temperatures of $-7,7^{\circ}\text{C}/18^{\circ}\text{F}$ and $50^{\circ}\text{C}/122^{\circ}\text{F}$.

- In extremely cold temperatures, the batteries may freeze. The specific temperature at which they will freeze depends on a number of factors, such as battery charge, usage, and composition of the batteries (e.g., sealed lead-acid or gel cell).
- Temperatures above $50^{\circ}\text{C}/122^{\circ}\text{F}$ may cause your Jet 1 to operate at a reduced speed. This is a safety feature built into the controller that helps prevent damage to the motor and other electrical components. See VII. "Operation."

GENERAL GUIDELINES

- Avoid knocking or bumping the controller, especially the joystick.
- Avoid prolonged exposure of your Jet 1 to extreme conditions, such as heat, cold, or moisture.
- Keep the controller clean.
- Check all controller connectors on the utility tray to ensure that they are all tight and secured properly. Also check the charger harness connector.
- When the battery indicator gauge is completely lit, the batteries are fully charged, and the controller and the electrical system are OK.
- If two red bars on the battery indicator gauge are blinking slowly, the batteries are low and need to be charged, but the controller and the electrical system are OK.
- If the battery indicator gauge is blinking rapidly, the controller has detected a fault in either its own circuits or in your Jet 1's circuits. See VII. "Operation."
- Make sure the drive tyres are inflated to 30 – 35 psi. See figure 28.

IX. CARE AND MAINTENANCE

- Use a rubber conditioner on the tyre sidewalls to help preserve them. Never use a rubber conditioner on the tread area of the tyres; doing so may make the tyres slippery and cause your Jet 1 to skid. Check for wear.
- The body shroud has been sprayed with a clear sealant coating. You can apply a light coat of car wax to help it retain its high-gloss appearance.
- Check all electrical connections. Make sure they are tight and are not corroded. Batteries must sit flat within the battery well, with the battery terminals facing inward, toward each other. Refer to the frame decal for the correct wiring layout.
- All wheel bearings are prelubricated and sealed. They require no subsequent lubrication.



Figure 28. Check Tyre Pressure

DAILY CHECKS

- With the controller turned off, check the joystick. Make sure it is not bent or damaged and that it returns to center when you release it. Check the rubber boot around the base of the joystick for damage. Visually inspect the boot. Do not handle or try to repair it. See your authorized Pride provider if there is a problem.
- Visually inspect the controller harnesses. Make sure that they are not frayed or cut or have any wires exposed. See your authorized Pride provider if there is a problem with any of these harnesses.

WEEKLY CHECKS

- Disconnect and inspect the controller and the charger harnesses from the utility tray. Look for corrosion. Contact your authorized Pride provider if necessary.
- Ensure that all parts of the controller system are securely fastened to your Jet 1. Do not overtighten any screws.
- Check for proper tyre inflation. There should be 30 – 35 psi in each tyre. If a tyre will not hold air, see your authorized Pride provider for replacement of the tube.
- Calibrate the joystick if a noticeable difference in performance is detected or if the joystick does not operate properly. To calibrate the joystick, power off the unit, place the joystick in neutral position, and power the unit back on. If a problem still exists with your joystick's performance, contact your authorized Pride provider.
- Check the brakes. This test should be carried out on a level surface with at least one meter of clearance around your Jet 1.

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To check the brakes:

1. Turn on the controller and turn down the speed and response adjustment knob.
2. After one second, check the battery gauge. Make sure that it remains on.
3. Slowly push the joystick forward until you hear the electric brakes click. Immediately release the joystick. You must be able to hear each electrical brake operating within a few seconds of joystick movement. Repeat this test three times, pushing the joystick backwards, then left, and then right.

MONTHLY CHECKS

- Check that the anti-tip wheels are not rubbing the ground when you are operating the Jet 1. Adjust them as necessary. See V. “Comfort Adjustments.”
- Check for extreme wear on the anti-tip wheels. Replace them as necessary.
- Check for drive tyre wear. See your authorized Pride provider for repair.
- Check the rear caster wheels for wear. Replace them as necessary.
- Check the rear forks for damage or fluttering which indicates that they may need to be adjusted or have the bearings replaced. See your authorized Pride provider for repair.
- Keep your Jet 1 clean and free of foreign material, such as mud, dirt, hair, food, drink, etc.

YEARLY CHECKS

Take your Jet 1 to your authorized service provider for yearly maintenance. This helps ensure that your Jet 1 is functioning properly and helps prevent future complications.

STORAGE

Your power chair should be stored in a dry place, free from temperature extremes. When storing, disconnect the batteries from the Jet 1. See VIII. “Batteries and Charging.” If you fail to store the unit under the above conditions, the frame can rust, and the electronics can be damaged.

CLEANING INSTRUCTIONS

- Never hose off your Jet 1 or place it in direct contact with water.
- Your Jet 1 has a clear-coated, ABS plastic body shroud that allows it to be easily wiped clean with a damp cloth. Never use any chemicals to clean a vinyl seat, as they may cause the seat to become slippery or dry out and crack. Use soapy water and dry the seat thoroughly.

IX. CARE AND MAINTENANCE

TYRES AND TUBES

If your Jet 1 is equipped with pneumatic tyres, you should check the air pressure at least once per week. This will prolong the life of your tyres as well as help ensure the perfect operation of your chair. If you should have a flat tyre, you should replace the tube. Replacement tyres and tubes are readily available at the Pride provider shop where you purchased your Jet 1.



WARNING! Make sure the tyre is completely deflated before attempting repair.

Follow these easy steps for a quick and safe repair:

1. Completely deflate the tyre if pneumatic.
2. Remove the cap in the center of the wheel that covers the drive wheel nut. See figure 29.
3. Use an 11/16-in. ratchet and socket to remove the drive wheel nut from the center hub of the wheel. See figures 29 and 30.
4. Pull the wheel off of the axle.
5. Separate the tyre and tube from the rim.
6. Remove the old tube and/or tyre and replace it with a new tube and/or tyre.
7. Slide the wheel back onto the shaft.
8. Install the drive wheel nut into the center hub and tighten.
9. Inflate the tyre to 30 – 35 psi.



Figure 29. Drive Wheel



Figure 30. Drive Wheel Nut Removal

IX. CARE AND MAINTENANCE

BATTERY REPLACEMENT

A diagram is printed on a decal located on the Jet 1 frame near the battery tray.

To replace the batteries:

1. Turn the power off.
2. Unplug the controller wire harness.
3. Remove the seat.
4. Remove the body.
5. Loosen the wing nuts on the positive battery terminals first.
6. Remove the wires.
7. Loosen the wing nuts on the negative battery terminals.
8. Remove the wires.
9. Replace the batteries.
10. Install the batteries into your Jet 1 with the terminal sides of the batteries facing inward, toward each other.
11. Connect the wire marked (+) to the closest positive (red) battery terminal.
12. Connect the wire marked (-) to the closest negative (black) battery terminal on the other battery.
13. Connect one circuit breaker harness to the empty positive terminal of one battery, and connect the other circuit breaker harness to the empty negative terminal of the other battery.

NOTE: Failure to maintain the brushes could void your Jet 1's warranty.

The electric motors that power your Jet 1 use carbon brushes. These brushes may become susceptible to wear over a long period of time. The motor brushes are the two contacts located inside the motor assembly that supply power to the motor. They are designed to provide several thousand hours of operation. However, if the brushes become dirty with carbon deposits or wear out, the motor will run poorly or not at all. We recommend that your authorized provider inspect the brushes every six months, or sooner if your Jet 1 runs poorly. If inspection determines excessive wear on the brushes, they must be replaced or motor damage will result.

To inspect or replace the motor brushes:

1. Remove the seat and body shroud. See VI. "Disassembly."
2. Unscrew the motor brush caps. See figure 31.
3. Remove the brushes.
4. Inspect for wear.
5. Replace brushes, if necessary. Contact your authorized Pride provider for replacement brushes.



Figure 31. Motor

IX. CARE AND MAINTENANCE

WHEN TO SEE YOUR PRIDE PROVIDER FOR SERVICE

The following symptoms could indicate a serious problem with your Jet 1. If necessary, contact your authorized Pride provider. When calling, have the model number, serial number, nature of the problem, and the trouble code, if available.

- Motor noise
- Frayed harnesses
- Cracked or broken connectors
- Uneven wear on any of the tyres
- Jerky motion
- Pulling to one side
- Bent or broken wheel assemblies
- Does not power up
- Powers up, but does not move

CORRECTIVE MAINTENANCE

If the battery indicator gauge does not light up when you turn on the power:

- Check the harness connections. Make sure they are tight.
- Check the circuit breaker. Reset it if necessary.
- Check the battery connections.

If the above conditions prove normal, you can load test the batteries with a battery load tester. These testers are available at automotive parts stores. Disconnect both batteries before load testing and follow the directions that come with the load tester. If either one of the batteries fails the load test, replace both of them. If your Jet 1 still does not power up, contact your authorized Pride provider.

X. OPTIONS AND ACCESSORIES

The following accessories are available from your authorized Pride provider.

OXYGEN TANK HOLDER

The removable oxygen tank holder is mounted to the back of the seat by means of the accessory bracket. See figure 32.

CANE AND CRUTCH HOLDER

The removable cane and crutch holder is mounted to the back of the seat by means of the accessory bracket. See figure 33.

WALKER HOLDER

The removable walker holder is mounted to the back of the seat by means of the accessory bracket. It can hold a standard size walker. See figure 34.

REAR BASKET

The rear basket is mounted to the accessory bracket. It has a handle that you can use when you remove the basket from your Jet 1. See figure 35.

X. OPTIONS AND ACCESSORIES



Figure 32. Oxygen Tank Holder



Figure 33. Cane And Crutch Holder



Figure 34. Walker Holder



Figure 35. Rear Basket

XI. WARRANTY

LIFETIME LIMITED WARRANTY

Structural frame components, including: platform, fork, seat post, and frame welds.

TWO-YEAR LIMITED WARRANTY

Drive train, including: differential, motor, and brake.

ONE-YEAR LIMITED WARRANTY

Your Pride Jet 1 is fully guaranteed for twelve (12) months from the date of purchase against faults arising due to defects in manufacture or materials. This warranty does not detract from, but is in addition to your legal rights.

All electronic parts, including controllers and battery chargers, have a one (1) year warranty. Servicing to the controller or battery charger must be carried out by your authorized Pride provider. Any attempt to open or dismantle these items renders the guarantee void on that item.

NOT COVERED UNDER WARRANTY

This guarantee does not extend to those items which may need replacement due to normal wear and tear (tyres, belts, bulbs, upholstery, plastic shrouds, motor brushes, fuses, and batteries), or damage to the product caused by misuse or accident for which Pride or its agent cannot be held responsible. This warranty does not include labor or service calls.

BATTERIES

Batteries are covered by a twelve (12) month warranty from the original manufacturer.

Gradual deterioration in performance due to being left in a discharged state, left in cold conditions for long periods of time, or worn out through heavy use is not covered.

SERVICE CHECKS AND WARRANTY SERVICE

Warranty service can be performed by your authorized Pride provider. Please contact your authorized Pride provider for advice on the current cost affecting the service visit.