



QUICKIE ATTITUDE

Quickie® ATTITUDE

Supplier: This manual must be given to the rider of this bike.

Rider: Before using this bike read this entire manual and save for future reference.

Owner's Manual

Quickie® ATTITUDE

Distribuidor: Este manual debe ser entregado al pasajero de esta silla de ruedas.

Pasajero: Antes de usar esta silla de ruedas, lea este manual en su totalidad y guárdelo para futura referencia.

Cada una de las sillas se envía con un manual de instrucciones en inglés. El manual en español o francés está disponible en formato PDF en nuestra página en Internet: www.SunriseMedical.com. Ingrese a la página del producto específico para descargar el manual, o comuníquese con el proveedor autorizado de Sunrise Medical.

Manual de Instrucciones

Quickie® ATTITUDE

Au Fournisseur: Ce manuel doit être remis à l'utilisateur de ce fauteuil roulant.

À l'Usager: Veuillez lire tout le manuel et le conserver pour référence ultérieure.

Chaque fauteuil est livré avec un manuel d'instructions en anglais. Les versions en espagnol et en français sont à votre disposition en format PDF sur le site : www.SunriseMedical.com. Veuillez vous rendre à la page de votre produit pour télécharger le manuel dans la langue souhaitée, ou contactez un fournisseur agréé Sunrise Medical.

Manuel d'instructions



SUNRISE MEDICAL LISTENS

Thank you for choosing a Quickie product. We want to hear your questions or comments about this manual, the safety and reliability of your bike, and the service you receive from your Sunrise supplier. Please feel free to write or call us at the address and telephone number below:

**Sunrise Medical (US) LLC
Customer Service Department
2842 Business Park Ave
Fresno, CA 93727
(800) 333-4000**

Be sure to return your warranty card, and let us know if you change your address. This will allow us to keep you up to date with information about safety, new products and options to increase your use and enjoyment of this product. If you lose your warranty card, call or write and we will gladly send you a new one.

FOR ANSWERS TO YOUR QUESTIONS

Your authorized dealer knows your product best, and can answer most of your questions about chair safety, use and maintenance. For future reference, fill in the following:

Supplier: _____

Address: _____

Telephone: _____

Serial #: _____ Date/Purchased: _____

ADDITIONAL INFORMATION YOU SHOULD KNOW

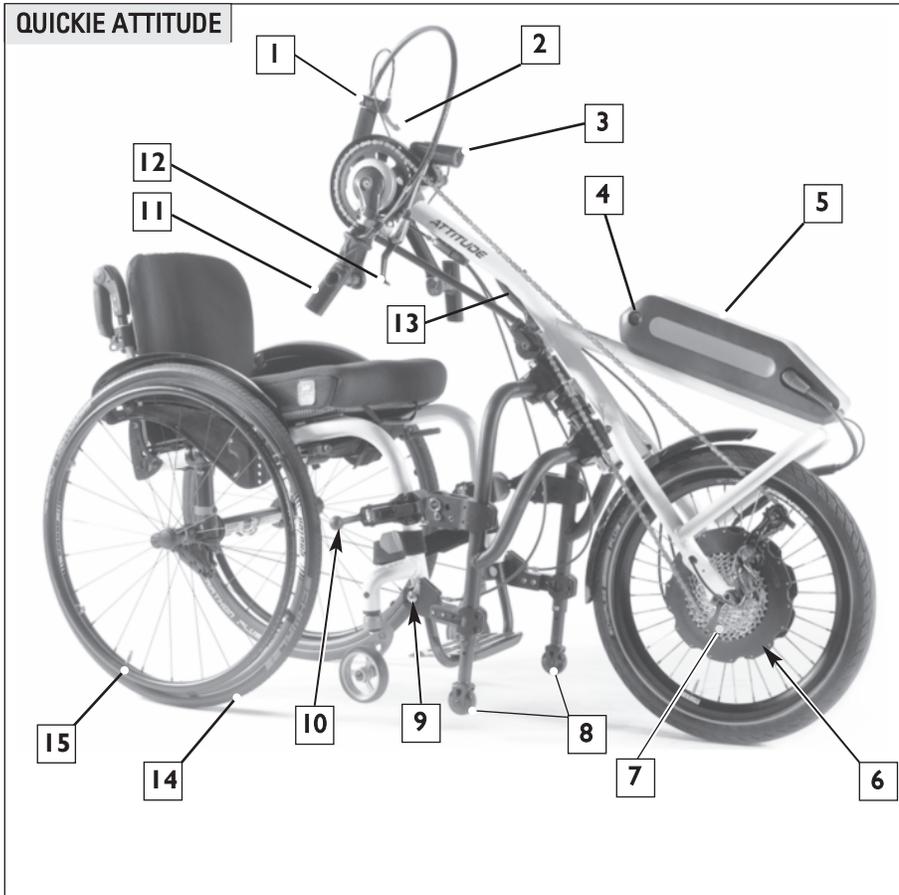
No component of this chair was made with Natural Rubber Latex.

**DISPOSAL AND RECYCLING INFORMATION**

When this product reaches the end of its life, please take it to an approved collection or recycling point designated by your local or state government. This product is manufactured using a variety of materials. Your product should not be disposed of as ordinary household waste. You should dispose of your product properly, according to local laws and regulations. Most materials that are used in the construction of this product are fully recyclable. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is disposed in a manner that protects the environment.

Ensure you are the legal owner of the product prior to arranging for the product disposal in accordance with the above recommendations.

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1. One hand docking and store handle.
2. Undocking or release lever.
3. Headlight
4. Key and battery removal (Hybrid only)
5. Battery pack (Hybrid only)
6. Attitude power drive (Hub motor, Hybrid only)
7. Sprocket set (8 or 10 gears)
8. Support wheels
9. Docking pins
10. Docking lock lever
11. Hand crank
12. Gear shift lever
13. Parking brake
14. Rear tire
15. Handrim

NOTE: All features may not be available with some bike setups or in conjunction with another bike feature.

NOTE - The Quickie Attitude is designed to fit on a variety of Quickie products. Each Quickie product has a different mounting area that is designed to accept the Quickie Attitude.

For any questions, please consult your authorized dealer for information.

QUICKIE ATTITUDE	MANUAL		HYBRID	
Rider weight capacity	220 lbs	100 kg	220 lbs	100 kg
Front frame width	11-18 in	28-46 cm	11-18 in	28-46cm
Weight of parts at chair	6 ounces	170 grams	6 ounces	170 grams
Total bike weight	32 lbs	14.5 kg	47.5 lbs	21.5 kg
Wheel size	20"		20"	
Motor	—		250 Watts	
Battery	—		14.5 amp/hour	
Gearing shifters	Trigger/Grip shift		Trigger/Grip shift	
Gearing speeds	8 & 30		10	
V-crank width	6.7 in 170mm		6.7 in 170mm	
Crank Length	18.5 in		18.5 in	
Brake	470mm Disc		470mm Disc	
Parking brake	160mm Yes		160mm Yes	
Frame colors	28 Frame colors		28 Frame colors	

A. CHOOSE THE RIGHT BIKE

This product is intended for single person use only. Final selection of the type of product, options and adjustments that are used with either the Manual version, or Power Hybrid Technology rests solely with you and your health care professional. Choosing the best bike for your unique mobility needs, will depend on such things as:

1. Your disability, grasping strength, balance and coordination.
2. The types of hazards you must overcome in daily use (where you live and work, and other places you are likely to use your bike).
3. Because this product is generally used in traffic, and on roads, the rider must be aware that they are subject to any and all traffic laws that apply to vehicles on the road.

B. REVIEW THIS MANUAL OFTEN

Before using this bike you, and each person who may assist you, should read this entire manual and make sure to follow all instructions. Review the warnings often, until they are second nature to you.

C. WARNINGS 

The word “WARNING” refers to a hazard or unsafe practice that may cause severe injury or death to you or to other persons. The “Warnings” are in three main sections, as follows:

1. V - EMI

Here you will learn about electromagnetic interference and how it can affect your bike

2. VI. - GENERAL WARNINGS

Here you will find a safety checklist and a summary of risks you need to be aware of before you ride this bike.

3. VII. - BATTERY AND CHARGER (Hybrid Model)

Here you will learn about the safe use and handling of your hybrid battery and charger.

Throughout this owner’s manual and on the product you will see the icons listed below to identify warnings and potential hazards.



ESD: Electrostatic Discharge can damage printed circuit boards.

NOTE – Where they apply, you will also find “Warnings” in other sections of this manual. Heed all warnings in these sections. If you fail to do so a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

V. EMI (ELECTROMAGNETIC INTERFERENCE)

A. WHAT IS EMI? **WARNING**

1. Electromagnetic interference. (EMI) comes from radio wave sources such as radio transmitters and transceivers. (A “transceiver” is a device that both sends and receives radio wave signals).
2. There are a number of sources of intense EMI in your daily environment. Some of these are obvious and easy to avoid. Others are not, and you may not be able to avoid them.
3. Powered products may be susceptible to electromagnetic interference (EMI) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two way radios, and cellular phones.
4. EMI can also be produced by conducted sources or electrostatic discharge (ESD).

 **WARNING**

Heed all warnings to reduce the risk of unintended chair movement:

1. Beware of the danger from hand-held transceivers. Never turn on or use a hand-held transceiver while power to your bike is on. Use extra care if you believe that a transceiver may be in use near your bike
2. Be aware of nearby radio or TV stations, and avoid coming close to them.
3. If unintended movement occurs, turn off the power switch on your bike as soon as it is safe to do so.

B. WHAT EFFECT CAN EMI HAVE? **WARNING**

1. EMI can cause your bike, without warning, to:
 - Move by itself
 - Move in unintended directions.
 If any of these occur, it could result in severe injury to you or others.
2. EMI can damage the control system of your chair. This could create a safety hazard, and lead to costly repairs.

C. SOURCES OF EMI **WARNING**

The sources of EMI fall into three broad types:

1. Hand-Held Transceivers:

The antenna is usually mounted directly on the unit. These include:

- Citizens band (CB) radios
- “Walkie-talkies”
- Security, fire and police radios
- Mobile phones
- Lap-top computers with phone or fax
- Other personal communication devices
- Electronic article surveillance systems

NOTE – These devices can transmit signals while they are on, even if not in use.

2. Medium-Range Mobile Transceivers:

These include two-way radios used in police cars, fire trucks, ambulances and taxi cabs. The antenna is usually mounted on the outside of the vehicle.

3. Long-Range Transceivers:

These include commercial radio and TV broadcast antenna towers and amateur (HAM) radios.

NOTE – The following are not likely to cause EMI problems: Lap-top computers (without phone or fax), Cordless phones, TV sets or AM/FM radios, CD or tape players.

D. DISTANCE FROM THE SOURCE **WARNING**

Electro-magnetic energy rapidly becomes more intense as you get closer to the source. For this reason, EMI from hand-held devices is of special concern. A person using one of these devices can bring high levels of EM energy very close to your bike without you knowing it.

E. IMMUNITY LEVEL**⚠ WARNING**

1. The level of EM is measured in volts per meter (V/m). Every power assist bike can resist EMI up to a certain level. This is called its "immunity level".
2. The higher the immunity level, the less the risk of EMI. It is believed that a 20 V/m immunity level will protect the power assist user from the more common sources of radio waves.
3. The common configuration tested and found to be immune to at least 20 V/m is: Quickie Attitude mounted to a Quickie 2 Product using Lithium Nickel Manganese Cobalt Oxide Batteries.

⚠ WARNING

There is no way to know the effect on EMI if you add accessories or modify this bike. Any change to your bike may increase the risk of EMI. Parts not specifically tested or parts from other suppliers have unknown EMI properties.

F. REPORT ALL SUSPECTED EMI INCIDENTS**⚠ WARNING**

You should promptly report any unintended movement or brake release. Be sure to indicate whether there was a radio wave source near your bike at the time. Contact:

Sunrise Medical, Customer Service Department at (800) 333-4000.

G. EMI FROM BIKE**⚠ WARNING**

The bike itself can disturb the performance of electromagnetic fields such as emitted by alarm systems of shops.

VI. GENERAL WARNINGS**A. WEIGHT LIMITS****⚠ WARNING**

NEVER exceed the weight limit specified by Sunrise Medical. The weight capacity identified is for the combined weight of a rider and items carried using on-board storage. If you exceed the weight limit, damage to your chair, or bike, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

Weight Capacity

Attitude Manual - 220lbs/(100kg).

Attitude Hybrid - 220lbs/(100kg).

B. INTENDED USE

The Quickie Attitude is a lifestyle bike for a wheelchair that is intended to empower physically challenged persons by providing a means of enhanced mobility. This Owner's Manual refers to the Manual and Hybrid bike only. For warnings and information about the correct use and care of your wheelchair, please refer to the Owner's Manual provided with that chair.

⚠ WARNING

DO NOT use this bike for purposes other than what is intended by the manufacturer. Unauthorized modifications and use of parts or accessories not supplied or approved by Sunrise Medical may change the chair structure. This will void the warranty and may cause a safety hazard. If the warning is ignored, damage to your chair, and the potential for severe injury of the person using the chair for unintended purposes can occur.

C. ATTENDANTS AND CAREGIVERS**⚠ WARNING**

Before you assist a rider, be sure to read all warnings contained in this manual, and follow all instructions that apply. Be aware that after consulting a healthcare professional, you will need to learn safe and proven body mechanics to use and create assistive methods best suited to your abilities.

D. ACCESSORIES**⚠ WARNING**

Unauthorized modifications or use of parts, or accessories not supplied or approved by Sunrise Medical may change the chair structure. This will void the warranty and may cause a safety hazard.

Some problems that may occur, but are not limited to:

1. Incorrect Wheels and/or tires that put the rider at risk of a fall or tip-over.
2. Any modification or disassembly can potentially create an unsafe situation where rider and/or attendant are put at risk.

E. KNOW YOUR BIKE**⚠ WARNING**

Take the time to learn the feel of this bike before you begin riding. Start slowly, with easy, smooth strokes. If you use too much force, damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

F. REDUCE THE RISK OF AN ACCIDENT**⚠ WARNING**

1. BEFORE you begin riding, you should speak with your Authorized Dealer about the safe use of this bike.
2. Be aware that you must develop your own methods for safe use best suited to your level of function and ability.
3. NEVER try a new maneuver on your own. Ask the advice of your Health Care Professional to lower the risk of a fall or tip over.
4. Get to know the areas where you plan to use your bike. Look for hazards and learn how to avoid them.
5. ALWAYS use the main brake to slow down your bike. In the case of a main brake failure the parking brake can be used to slow or stop the bike.
6. Avoid strong braking actions when maneuvering thru curves and bends in a pathway.
7. Always make sure your bike has been correctly and securely attached/docked to the wheelchair before riding.

G. OBSTACLES

⚠ WARNING

Riding over curbs or obstacles can cause tipping and serious bodily harm. If you have any doubt that you can safely cross any curb or obstacle, ALWAYS ASK FOR HELP. Be aware of your riding skills and personal limitations. Develop new skills only with the help of a companion.

To avoid the risk of traversing obstacles:

1. Keep a lookout for danger – scan the area well ahead of your bike as you ride.
2. Make sure riding areas where you live and work are level and free of obstructions, stairs, and extreme slopes. Maximum obstacle height is 1.25in (30mm).
3. **USE EXTREME CAUTION WHEN** using the bike on any type of ramp, either going up or down. Corners and slopes may put the rider at risk of a fall, tip-over, or injury.
4. To Help Correct Your Center Of Balance:
 - a. Lean your upper body **FORWARD** slightly as you go **UP** over an obstacle.
 - b. Press your upper body **BACKWARD** as you go **DOWN** from a higher to a lower level.
5. Keep both of your hands on the handcranks as you go over an obstacle.
6. Never push or pull on an object (such as furniture or a doorjamb) to propel your chair/bike.

If you fail to heed these warnings damage to your chair/bike, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

H. SAFETY CHECKLIST

⚠ WARNING

Before Each Use Of Your Bike:

1. Make sure the unit rolls easily and that all parts work smoothly. Check for noise, vibration, or a change in ease of use. (This may indicate low tire pressure, loose fasteners, or damage to the unit.)
2. Inspect for any problems. Your Authorized Dealer can help you find and correct the problem(s).
3. Make sure that the weight limit does not exceed 220lbs between the rider and any additional items (travel bags, water etc.)
4. Be sure to check main brake and the parking brake before each ride to ensure they are in good working order and can stop the unit in case there is a need for an emergency stop.
5. Be sure to check that all lights are working. Using your forward and rear facing lights, even in daylight, will make you more visible to other people and vehicles.
6. Check tire pressure and fill to psi shown on the sidewall of tire.
7. Ensure that your feet cannot slip off of the footplate of your chair.
8. Check all cables and electrical connections.
9. Check that the battery is locked and fully charged.
10. Double-check that connecting points are fully locked before travel
11. Always wear a helmet.

I. CHANGES & ADJUSTMENTS

⚠ WARNING

1. It is best to see your healthcare professional, or an authorized dealer to have them re-assess the basic fit and performance measurements, and adjust seating components when the Quickie Attitude is added to an existing chair.
2. Unauthorized modifications or use of parts not supplied or approved by Sunrise may change the bike structure. This will void the warranty and may cause a safety hazard.

If you fail to heed these warnings, damage to your chair/bike, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others

J. OPERATING SURFACES

⚠ WARNING

1. NEVER ride on unpaved or loose surfaces (e.g. on loose gravel, in sand, mud, snow, or ice).
2. NEVER ride off-road, where obstacles are unpredictable.
3. Typical riding surfaces will be concrete, smooth pavement, and smooth, packed riding surfaces that are typical of well-maintained bike paths.
4. Use caution and go slow when steering around corners.
5. Take care when turning on any degree of slope..

If you fail to heed these warnings, damage to your chair/bike, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others



K. ENVIRONMENTAL CONDITIONS

⚠ WARNING

1. Use extra care if you must expose the Quickie Attitude to wet or cold conditions.
2. Contact with water or excess moisture may cause your unit to rust or corrode. Electronic components may also be effected. Avoid all extreme weather situations if possible.
 - a. Do not use your bike in a shower, pool or other body of water, or use a sprayer to wash it. Some parts are not water-tight and may rust or corrode from the inside.
 - b. Avoid excess moisture (for example, do not leave the unit outside in the rain).
 - c. Dry your bike as soon as you can if it gets wet, or if you use water to clean it.

If you fail to heed these warnings, damage to your chair/bike, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

L. CENTER OF BALANCE

⚠ WARNING

Adding the Quickie Attitude to an existing chair will effect the center of balance. The point where this bike will tip forward, back or to the side depends on its center of balance and stability. How your chair and bike are set up, the options you select and the changes you make may affect the risk of a fall or tip-over.

1. The Center Of Balance Is Also Affected By:
 - a. A change in your body position, posture or weight distribution.
 - b. Riding your chair/bike on a ramp or slope.
 - c. A back pack or other options and the amount of added weight.
2. To Reduce The Risk Of An Accident:
 - a. Consult your authorized dealer **BEFORE** you modify or adjust this bike. Be aware that you may need to make other changes to correct the center of balance.
 - b. Have someone help you until you know the balance points of your chair/bike and how to avoid a tip-over.
 - c. Use anti-tip tubes.
 - d. Always use extreme caution and reduce speeds when using your bike in unfamiliar areas or conditions.

If you fail to heed these warnings, you are at a high risk of a fall, tip-over or loss of control that could cause severe injury to the rider or others.

M. STREET USE**⚠ WARNING**

1. This product can be operated on a sidewalk, bike path, or street.
2. Avoid busy streets whenever possible.
3. Obey and follow all laws that apply to pedestrians and bicycles.
4. Be aware that when riding in a bike lane or on a paved roadway, the rider is subject to the same traffic laws as any vehicle on the road.
5. Be alert to the danger of motor vehicles in parking lots, or if you must cross a road. Be aware that this unit will be hard to see for some motor vehicles because it has a lower profile than a bicycle.
6. Use Curb cutouts whenever possible and use extreme caution when going straight up or straight off curbs. The danger of tipping over, and the wear and tear on the unit could put the rider at great risk. The maximum obstacle height is 1.25in (30mm).
7. Familiarize yourself with braking distances at different speeds.
8. Avoid hasty steering movements when travelling at speed.
9. When waiting for traffic at a stop ALWAYS activate the brake.
10. Always ensure your reflectors and lights are properly positioned and functioning.

If you fail to heed this warning, damage to your chair, or bike and a possible collision may occur and cause severe injury to the rider or others.

N. MOVING BACKWARD**⚠ WARNING**

Use extra care when you move your chair/bike backward. Your chair/bike is most stable when you propel yourself forward. You may lose control or tip over if one of the rear wheels hits an object and stops rolling.

1. Propel your chair/bike slowly and smoothly.
2. If your chair/bike has anti-tip tubes, make sure to lock them in place.
3. Stop often and check to be sure your path is clear.

If you fail to heed this warning, you are at a high risk of damage to your chair/bike, a fall, tip-over or loss of control that may occur and cause severe injury to the rider or others.

O. TRANSIT**⚠ WARNING**

The transit option is not available with the Attitude.

1. The Transit option should not be added to any product that is being used with the Attitude.
2. ALWAYS remove the rider from the chair and use OEM Vehicle restraints when transport is necessary.

If you fail to heed this warning, you are at a high risk of damage to your Bike, and may cause severe injury to the rider or others.

P. POWER ON/OFF (Hybrid only)**⚠ WARNING**

Do not remove the battery while in operation. Turn off the power switch and apply the brake in crowded or unpredictable situations where someone might bump or push the bike causing the product to move unexpectedly.

Do not apply the ON/OFF button while on a slope.

1. Before applying the ON/OFF button:
 - a. Park in a level area.
 - b. Apply the parking brake.

Q. FASTENERS**⚠ WARNING**

Many of the screws, bolts and nuts on this bike are special high-strength fasteners. Replacing these bolts with improper fasteners may cause your bike to fail.

1. ONLY use fasteners provided by an authorized dealer (or ones of the same type and strength, as indicated by the markings on the heads).
2. Over- or under-tightened fasteners may cause them to fail or cause damage to bike parts.
3. If bolts or screws become loose, tighten them before continuing to use your bike.

R. PNEUMATIC TIRES**⚠ WARNING**

Proper inflation of the tires extends the life of the tires and makes the bike easier to use.

1. Do not use this bike if tires are under- or over-inflated. Check weekly for proper inflation level, as listed on the tire sidewall.
2. Low pressure in a rear tire may cause the wheel lock on that side to slip and allow the wheel to turn when you do not expect it.
3. Low pressure in any of the tires may cause the bike to veer to one side and result in a loss of control.
4. Over-inflated tires may burst.

If you fail to heed these warnings damage to your bike, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

S. CARRYING OR MOVING THE BIKE**⚠ WARNING**

Do not lift the product by its crank, the battery, cables or any item that may detach from the bike. This may cause damage. Do not lift the product and its rider together, the rider must dismount the bike if it is being moved or transported, even for short distances. If you fail to follow this warning, there is a risk of tipping over or falling out. If you must move or transport the bike, please observe the following:

- Engage the wheel locks on both wheels so that they cannot turn.
- Switch off the power supply.
- Make sure the rider dismounts the bike.
- Disengage the bike from the chair so the items can be lifted separately..
- Use the handle between the cranks to move or store the bike.

T. MOTOR TEMPERATURE AND TRAPPING POINTS**⚠ WARNING**

The motor can get very hot. Do not touch the motor and be cautious of children and pets that may touch the motor after a trip. As with all moving parts, there is a risk that fingers could become trapped. Please handle the bike carefully and observe the following:

- DO NOT put hands or fingers near the chain or gears while they are moving.
- DO NOT touch the motor after a trip, it will be very hot.
- Lift the product only by the frame or specified handle.
- ALWAYS make sure that the derailleurs on the drive wheel is set properly.

U. SAFETY INSTRUCTIONS (AFTER YOU RIDE)**⚠ WARNING**

For Hybrid Attitude - Remember to switch off the product immediately when it is not in use to avoid accidental operation and/or movements caused by accidentally touching the crank handle. Switching off also helps to preserve the battery charge.

A. INTRODUCTION

1 2 3 4

1. Battery Notes--

- The battery supplies the power for your bike. It contains a finite amount of energy and has limits on how long it can store and supply energy. Use only the charger supplied with your battery.
- You can charge the battery only a certain number of times before it will fail and no longer hold a charge.
- When storing or transporting your chair and bike, ALWAYS remove the battery to protect it from damage or theft.
- For answers to more questions or concerns about the battery on this bike, consult your authorized supplier.

2. Use the Proper Battery:

Your bike operates on one battery.

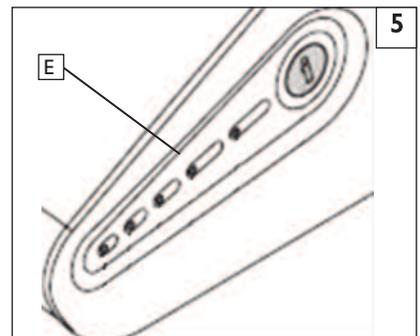
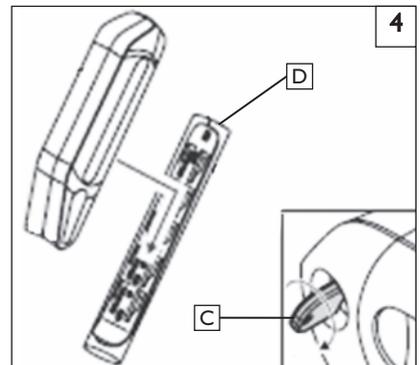
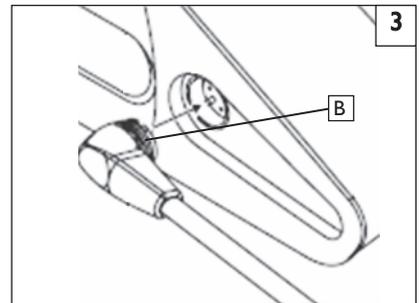
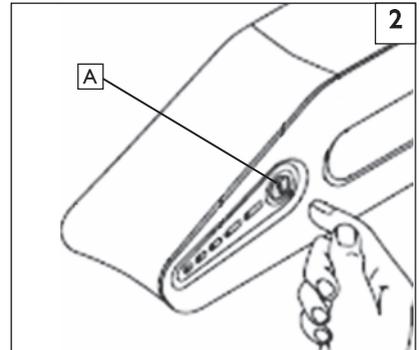
- Use the battery supplied with the bike.
- When you buy a replacement, purchase the same type of battery that was supplied with the bike.

3. Before removing the battery:

- Turn off the Power switch (A).
- Disconnect the battery plug and/or Charger plug (B).

4. Removing the battery:

- Unlock the Battery using the battery key (C).
- Slide the battery off of the battery holder/carriage (D).



B. BATTERY TYPE

There is one type of battery supplied with the Quickie Attitude.

Li-Ion 00 (Lithium Ion) comes with its own charging system. Do not use a charger other than the one provided with your specific battery. Damage to the battery, and/or the charger unit can occur if using a charging unit other than what was provided by the manufacturer.

DANGER! - Failure to comply with the safety precautions and instructions regarding battery use and charging may damage the product or result in electric shock, fire and/or serious injuries. The Lithium Ion battery contains chemical substances which may cause hazardous reactions if the safety instructions are not followed.

C. LOW BATTERY LEVELS

5



WARNING

ALWAYS be aware of the battery life. Check it frequently using the battery life indicator (E) located on the side of the battery. It is best to carry a spare battery when taking prolonged rides. If you continue to use the power assist function and the battery is completely discharged, the battery warning light will be constantly illuminated and you will hear a "beep" tone. The power assist function will switch off. You must change to a replacement battery.

1. Position your product on a safe level surface. Turn the power supply off and switch to the replacement battery. If you have no replacement battery with you, leave the power supply turned off while driving.
2. If you cannot change the battery on your own, an attendant must be present.

D. BATTERY SAFETY



WARNING

The battery on the Quickie Attitude is not very large but stores a large amount of charge. Improper use can cause damage or in certain circumstances lead to burns or fire.

- Only use battery for the intended purpose of power assist for a product.
- Keep the battery out of reach of children and anyone who is not familiar with it.
- When transporting the product, remove the battery from the product.
- If the battery housing is damaged, a corrosive liquid (KOH) can be emitted. Avoid any contact with the skin and discontinue use, if you notice any damage to your unit.
- Do not allow battery connection to come into contact with wires or metal.
- Do not expose the battery to impact.
- Do not add or remove parts to the battery.
- Do not expose the battery to heat or place near fire or water.
- Do not use a broken or damaged battery.
- Do not disassemble or modify the battery.
- Do not charge or store the battery near pets or children.

E. BATTERY STORAGE

⚠ WARNING

When storing a fully charged and disconnected battery, make sure to store it at a temperature from 40°F (5°C) to 77° (25°C) and humidity not exceeding 80 percent. The battery contacts must be covered or protected. Exposed contacts on the the battery can cause short circuits and lead to a fire or battery rup-ture. Never Store the battery in direct sunlight or outdoors.

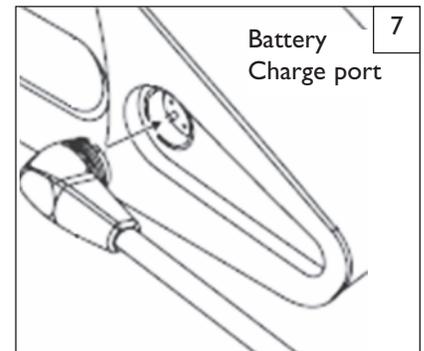
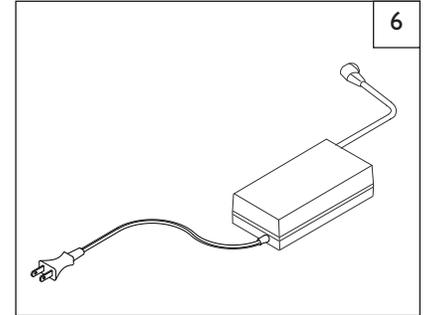
F. CHARGING

6 7

1. Please refer to the Safety Instructions and precautions for the charging process enclosed with the charging unit and pay careful attention to the following warnings.

⚠ WARNING

- a. Fully charge the battery before its first use. The charging process ends automatically as soon as the battery is fully charged. This avoids overcharging. Only charge the battery in a ventilated, dry and dust-free environment.
- b. DO NOT charge the battery in the presence or vicinity of flammable liquids or gases.
- c. DO NOT expose the battery to moisture of any kind during charging. Examples would include: high humidity (indoors or outdoors), water, rainwater, snow, etc)
- d. Charge the battery only if the ambient surrounding temperature is between 32°F (0°C) and 104°F (40°C). If the battery is charged outside of these temperatures it may shut itself off, and/or may sus-tain damage. The battery will reach its maximum service life if it is charged at temperatures between 50°F (10°C) and 86°F (30°C)
- e. When charging is complete, disconnect the charger from the wall socket first before disconnecting it from the battery.
- f. If the battery is damaged or not taking a charge, discontinue use.
- g. A damaged charger (damage to plug, housing, or cable) should not be used. It should be replaced by an authorized supplier.
- h. Be aware of condensation. If the charger is brought from the cold into a warm room, condensation may form. In this case, refrain from using the charger until all condensation has dissipated. Please note that this may take several hours.
- i. Never carry the charger by its power cable or the charger cable. Be careful not to pinch the cord or lay it in an area where someone might trip over it.
- J. Do not use or disassemble the charger if it has received a hard blow or has been dropped or damaged in any way.
- k. Do Not let children handle the charger.
- l. Never touch the plugs with wet hands, or use a cord if it is wet or dirty. If it is wet or dirty, wipe it with a clean cloth before use.



⚠ WARNING

The owner of this bike is responsible for making sure that it has been set up and adjusted by a trained service professional under the advice of a healthcare professional. The bike may require periodic safety and function checks or certain in-use adjustments that can be performed by the owner, caregiver or authorized dealer if desired. Always use parts and/or accessories that have been recommended or approved by Sunrise Medical when servicing this bike.

A. INTRODUCTION

1. Proper maintenance will improve performance and extend the useful life of this bike.
2. Clean your bike regularly. This will help you find loose or worn parts and make your chair/bike easier to use. You will need a mild detergent solution and plenty of cleaning rags.
3. If discovered, have loose, worn, bent or damaged parts replaced before using the bike.
4. All major maintenance and repair work should be completed by your authorized dealer or local bikeshop.
5. Inspect and maintain this bike strictly per the safety checklist.
6. If you detect a problem, make sure to order parts, or have service, and repair work done at your authorized dealer, or local bikeshop before using the unit.
7. At least once per year, have a complete inspection, safety check, and service of your bike made by an authorized dealer.

B. CRITICAL SAFETY CHECKS

1. Tire Air Pressure:

Check air pressure in pneumatic tires before every use. The tires will not grip properly if you fail to maintain the air pressure shown on tire sidewall.

2. Axles :

When checking axles, make sure they are clean and tight. Loose axles can damage the bike and will effect performance.

3. Gears, deralleur unit, and chain

Inspect the drive train and chain before every use, ensuring that all fasteners are tight and that no parts have moved from their preset positions.

4. Brakes

Inspect the brakes and cables before every use, ensuring that all fasteners are tight and that no parts have moved from their preset positions.

C. CLEANING

1. Paint Finish

- a. Clean the painted surfaces with mild soap or detergent as needed.
- b. Protect the paint with a coat of non-abrasive auto wax every three months.

2. Chain and Moving Parts

- a. Clean around gears and moving parts with a slightly damp (not wet) cloth. Use a small amount of chain oil to improve the performance of the bike
- b. Wipe off or blow away any fluff, dust or dirt on axles or moving parts.

3. Basic Maintenance Materials available at local Bike store

- a. Tire pump
- b. Tire pressure gauge
- c. Clean rags or cotton cloth.
- d. Mild detergent.

D. SAFETY CHECKLIST

Every use	Annually	Safety & Function Check
<input checked="" type="checkbox"/>		Tire inflation level and wear
<input checked="" type="checkbox"/>		Wheel locks
<input checked="" type="checkbox"/>		Visually check for loose hardware
<input checked="" type="checkbox"/>		Axle
<input checked="" type="checkbox"/>		Inspect drive chain for any damage
<input checked="" type="checkbox"/>		Main brake and emergency brake
<input checked="" type="checkbox"/>		Clamps and attachment hardware
	<input checked="" type="checkbox"/>	Service by Authorized Dealer

NOTE - The user or caregiver should perform these weekly and monthly checks to maintain the safety of their bike. If an item is not working properly, please contact your authorized dealer, local bike shop, or call Quickie Technical service. Do not use the bike until all components are in proper working condition.

E. TROUBLESHOOTING CHART

Symptom	Solution					
	Bike slowing down	Bike won't move	Shortage of power	Sluggish turning	Squeaks and rattles	Bike veers to side
	<input checked="" type="checkbox"/>	Make sure tire pressure is correct and equal in both rear tires and front caster tires, if pneumatic.				
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Make sure all nuts and bolts are tight.
			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Make sure all spokes and nipples are tight on radial spoke wheels.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				Check Battery, Charge Battery, Reset the Power on the Battery.
	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		Make sure chain is properly lubricated and positioned on sprocket.

F. SAFE RIDING TECHNIQUES

The hand cranks (pedals) are designed for movement in tandem. Make sure that both hands are on the hand cranks at all times while riding the bike.

1. Remember to start slowly applying the same pressure to both hand cranks (pedals) in tandem.
2. Positioning belts and helmet should always be worn when riding.
3. If you need to pull over, pull off of the roadway and park in a safe spot out of the way of traffic
4. Good posture while using your bike is important, make sure that your chair and bike are adjusted to support good posture while riding.
5. It is important to practice turning and other techniques before getting on the road.
6. Always slow down before turning or maneuvering the bike.

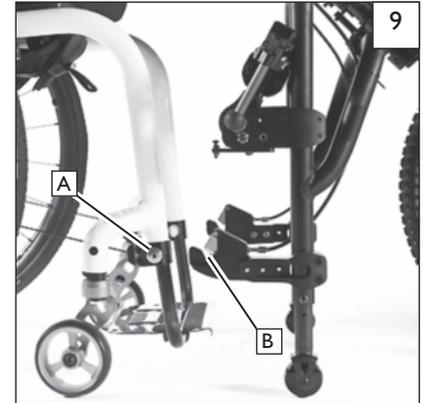
G. DOCKING THE ATTITUDE 9 10 11 12

⚠ WARNING

If the bike has a power system, always make sure the power switch is off before docking. Dock the wheelchair to the bike on a surface that is level and dry. As with all moving parts, there is a risk that fingers and/or clothing could become trapped. Be careful of pinch points when docking, or undocking.

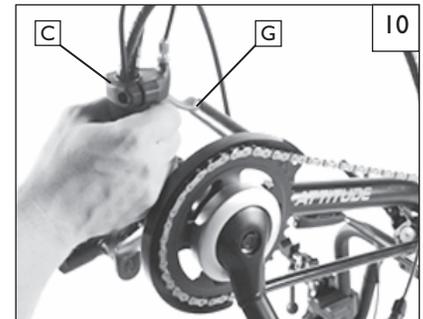
1. Engaging the docking pins.

- a. Drive the wheelchair as close as possible to the Attitude.
- b. The two docking pins(A) should line up with the lower docking connector(B).
- c. Engage the wheel locks on your chair, and pull the Attitude towards the wheelchair using the handgrip(C) until the two docking pins lock into the docking connector(B). An audible click will be heard.



2. Locking the wheelchair to the Attitude. 11 12 13

- a. Push the Attitude upwards/forwards until the stand wheels(D) and the castors(E) leave the ground.
- b. Swing the upper docking connector(F) on both sides, downwards until it stops. Clamping must be on the aluminum tubing with no parts or clothing in the clamping area.
- c. Pull the red locking levers(F) towards the rider until it locks firmly and completely.
- d. Ensure that the docking pins are fully engaged, and the levers are locked before travel.



⚠ WARNING

Always make sure after locking the wheelchair to the Attitude, that the stand wheels(D) are a minimum of 1.25in (30mm) above the ground. If they are not, they stand wheels will need to be adjusted. If not properly adjusted the wheels could hook onto an obstacle unexpectedly and cause the wheelchair and Attitude to become unstable.

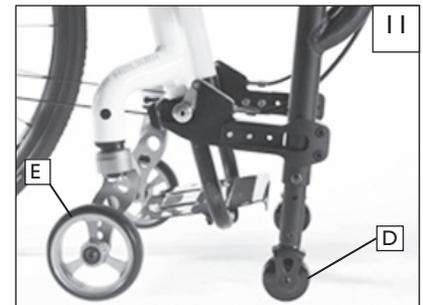
H. UN-DOCKING THE ATTITUDE 10 11 12 13

⚠ WARNING

If the bike has a power system, always make sure the power switch is off before undocking. Undock on a surface that is level and dry. As with all moving parts, there is a risk that fingers and/or clothing could become trapped. Be careful of pinch points when docking, or undocking.

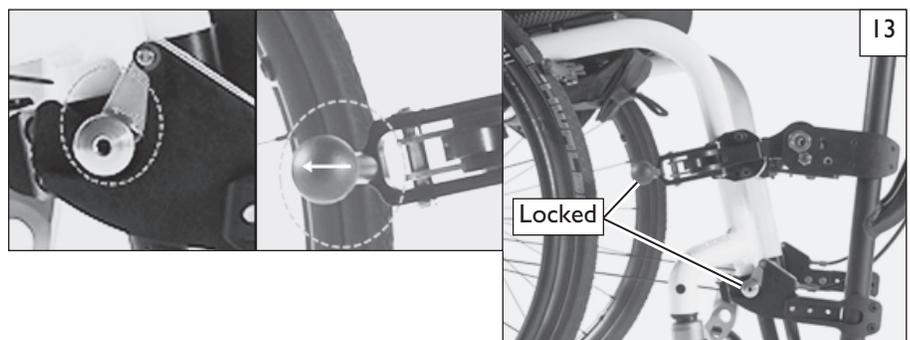
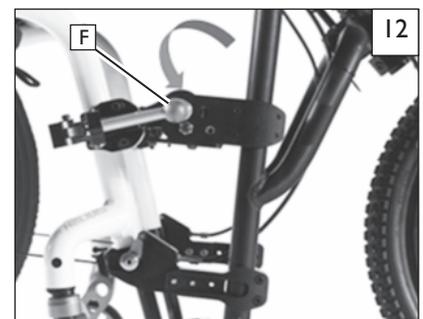
1. Unlocking the two units.

- a. Engage the wheel locks on your wheelchair.
- b. Open the red locking levers(F) on both sides.
- c. Using the handgrip (C), push the Attitude forwards/upwards until the upper docking connector has no contact with the front frame or the wheelchair.
- d. Swing the upper docking connector(F) upwards.



2. Disengage the locking pins.

- a. Lower the Attitude forward/upward until the stand wheels(D) and the castors(E) are in contact with the ground.
- b. Pull the locking pin release lever by the handgrip(G).
- c. Using the handgrip(C) pull the Attitude towards you until the docking pins are totally disengaged.
- d. Hold the position and push the Attitude forward away from the wheelchair, until it is clear of your wheelchair.



I. BATTERY AND POWER (HYBRID) 14 15

Once the Attitude has been added to the chair, and the power plug(A) to the battery pack from the Attitude power unit has been plugged in, it is ready for battery power.

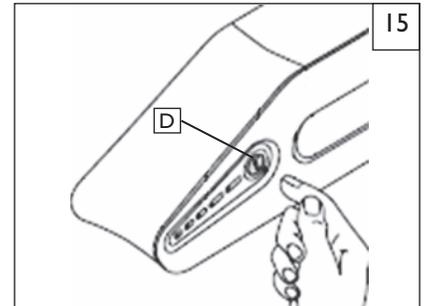
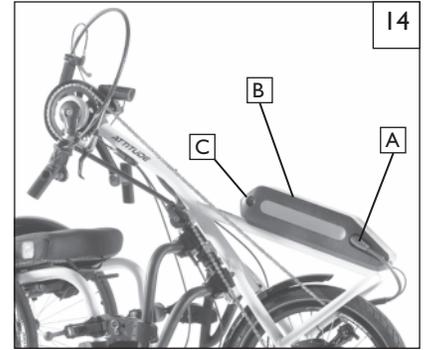
⚠ WARNING

Before adding power to your chair, Apply the wheel locks on the wheelchair, and make sure the chair is parked on a stable and level surface.

NOTE - Make sure that Battery(B) is firmly attached and locked(C) to the Attitude unit, check all support points. Because of the added weight of the battery, the battery pack must be secure for travel.

1. Power switch

- a. Before travel, Make sure to turn on the Power switch (D)
- b. Always turn off the power immediately after you are finish travelling.

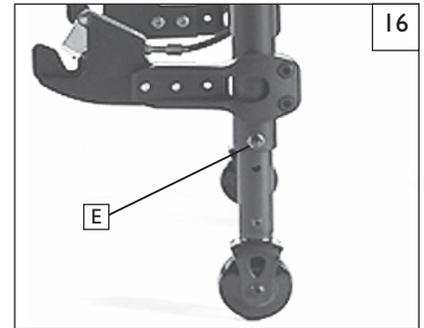


J. PARKING/DOCKING STAND 16

The lower docking frame also acts as a parking stand, which can be height adjusted for a smooth docking or undocking with the Attitude unit.

1. Heightadjustment

- a. Using a 5mm hex key and wrench, remove the hardware(E) and use one of 4 adjustment holes to set the correct height for your docking stand.
- b. After the adjustment, check the height of the parking stand with the Attitude attached to the wheelchair, to make sure that it is at least 1.25in (30mm) above the road surface.
- c. Re-adjust the height if necessary.



K. BRAKES 17 18

The Attitude has two brakes that work independently from one another. The main braking system allows the unit to safely and comfortably brake while riding the Attitude. If the main braking system fails, the parking brake may be used for an emergency brake. There is also an optional coaster brake which is activated by back pedaling the hand cranks.

1. Parking Brake

- a. To engage the parking brake, press the lever(F) until it locks in place the unit should not move.
- b. To dis-engage the parking brake, hold the lever(F) in place and press on the release tab(G).

2. Main Braking system.

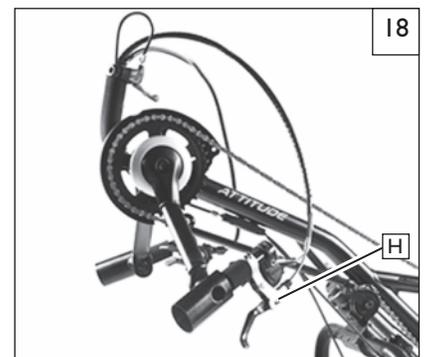
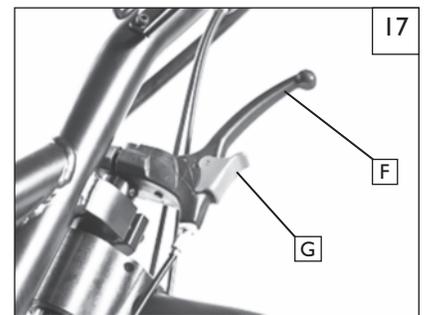
- a. Apply pressure to the brake lever(H) to stop or slow down the unit
- b. Start slowly, and brake gently until you feel comfortable with the system.

⚠ WARNING

Hard and sudden application of the brakes may cause a shift in your center of gravity resulting in possible injury. Always stabilize your upper body by holding onto the handles firmly with both hands when braking.

The braking efficiency can be greatly reduced by any of the following:

- 1. Worn tire Tread or brake pads.
- 2. Low Air pressure in tires.
- 3. Dirty or wet braking surface.
- 4. Mis-adjusted, dirty, or loose brake pads.
- 5. **The riding surface can also effect your braking effeciency if it is wet, dirty, sandy, rocky, uneven or soft like grass. it is best to avoid riding on these types of surfaces.**
- 6. **If you detect a problem, make sure to order parts, or have service, and repair work done at your authorized dealer before use.**

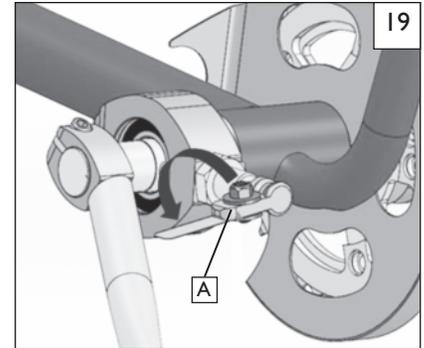


L. COASTER BRAKE (Optional) 19

For persons with limited finger strength the coaster brake allows braking by back-pedaling the hand-crank. The braking system can be de-activated by disengaging lever (A). Only deactivate the coaster brake when maneuvering the bike in confined areas. When pedaling forward the braking system will disengage automatically.

⚠ WARNING

Riding with the coaster brake deactivated is not recommended and can lead to an increased risk of accidents or possible injury.



M. DERAILLEUR GEARS /GEAR HUB 19 20 21

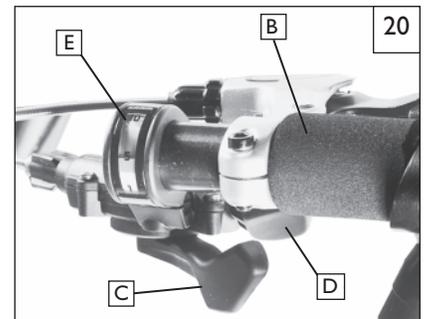
Gear shifting on the Attitude is controlled using a trigger or grip shift switch, which are attached to the hand-grips. Attitudes with derailleur gear shifting can only be engaged while pedaling the hand cranks. Reducing the pedaling force during a gear shift will allow a smoother gear change. Attitudes with geared hubs can also be operated in a parked position.

1. Trigger switch

- a. The trigger switch located on the left handle(B) controls the larger (3-gear) upper sprocket. The trigger (grip shifter) switch located on the right handle controls the (8 or 10 gear) lower sprocket.
- b. Clicking the larger lever(C) will select the next lower gear
- c. Clicking the smaller lever(D) will select the next higher gear.
- d. The current gear is indicated on the dial for each trigger switch(E).

2. Grip shift switch

- a. The Grip switch located on the right handle(F) controls the (8 or 10 gear) sprocket.
- b. Turning the grip shift to the left activates the next lower gear
- c. Turning the grip shift to the right activates the next higher gear.
- d. If the gears are not working smoothly, or you are not able to shift into an appropriate gear for the terrain your in, please contact your authorized supplier to adjust your derailleur.



N. QUICK-RELEASE (FREEWHEEL) (Optional) 22

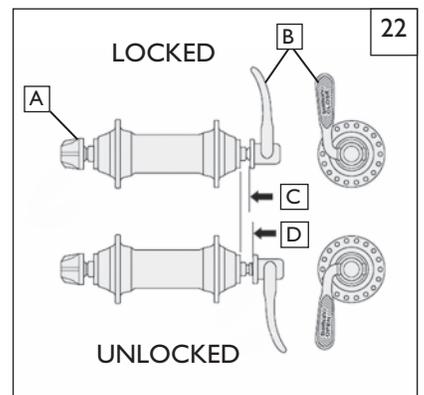
The front tire of the attitude has a freewheel option which uses a quick-release mechanism to easily remove the main drive wheel of the bike.

1. Remove the Front Wheel (Hybrid only)

- a. Loosen the freewheel nut (A) several rotations.
- b. Pull out on the quick-release handle(B) and rotate the handle several turns.
- c. If the bolt and handle are loose enough (distance D), the wheel can be removed.
- d. If the wheel doesn't disengage on the first try, continue to increase (distance D) until the wheel can be removed from the bike.

2. Install Front Wheel

- a. Slide the exposed areas of the axle into the bike fork
- b. Holding the nut(A) rotate the quick-release handle(B) several turns until (distance C) is close enough so that the wheel can be secured when the handle is locked.
- c. Lock the quick-release by pushing the quick-release handle(B) until it is in contact with the fork.
- d. It is critical to check that the wheel is locked in place.
- e. If there is any looseness in the wheel Re-adjust so that the wheel is secure.



O. CHECK PROPER CRANK(PEDAL) ADJUSTMENT

The default position of the crank is based on data which depicts the average best fit. If this is not suitable for you, please contact your authorized Sunrise Medical dealer. The hand crank (pedal) can be adjusted for the user by an authorized Sunrise Medical dealer. When checking proper crank(pedal) fit, please pay attention to the following guidelines.

1. The cranks must not touch the knee or thigh while pedaling, especially through bends.
2. The elbow should not completely extend when the crank handles are furthest away from the body.
3. If you have poor seating stability, or weak trunk muscles, a suitable restraint must be used. Please contact your authorized dealer.

P. INSPECT

After the installation of the Quickie Attitude, and with the product assembled and adjusted, it should roll smoothly and easily. All accessories should perform smoothly. If you have any problems, follow these procedures:

1. Review the order form and shipped items to make sure bike specifications match the wheelchair's physical characteristics.
2. Review the troubleshooting chart at the beginning of this section.
3. If your problem persists, contact your authorized dealer. If you still have a problem after contacting your authorized dealer, contact Sunrise customer service. See the Introduction Page for details on how to contact your authorized dealer or Sunrise customer service.

⚠ WARNING

The owner of this bike is responsible for making sure that it has been setup and adjusted by a trained service professional. Service and/or adjustments should only be done by a professional. Always use parts and/or accessories that have been recommended and approved by Sunrise Medical when servicing this bike.

A. DEALER SERVICE INTRODUCTION

1. At least once per year, this bike should have a complete inspection, safety check, and regular service made by an authorized dealer.
2. If you have discovered a worn, bent, or damaged part, repair or replace them with recommended parts **before returning this bike to service.**
3. All major maintenance and repair work should be done by an authorized dealer, or local bike shop where applicable.

B. CRITICAL MAINTENANCE TIPS

1. Torque settings:

A torque setting is the optimum tightening which should be made on a particular fastener. It is important to use proper torque settings where specified. When not specified, torque settings should be 62 in-lbs.

2. Dealer Service and Adjustment Reference materials:

For help with the following adjustments go to www.sunrisemedical.com for parts manuals, instruction sheets, and instructional videos that will aid in the repair of the Attitude bike.

You may also refer to the following documents:

Additional information on individual bike components may be available on the component manufacturer's website. See the manufacturer's brand name printed on the individual component.

C. CLEANING

1. Paint Finish

- a. Clean the painted surfaces with mild soap or detergent.
- b. Protect the paint with a coat of non-abrasive auto wax.

2. Axles and Moving Parts

- a. Clean around axles and moving parts with a slightly damp (not wet) cloth.
- b. Wipe off or blow away any fluff, dust or dirt on axles or moving parts.
- c. Except for the chain, DO NOT USE 3 in 1 oil, or WD-40 ® for lubrication. Only use Teflon based Lubricant when working on this bike.

D. SIMPLE DISC BRAKE ADJUSTMENT 23

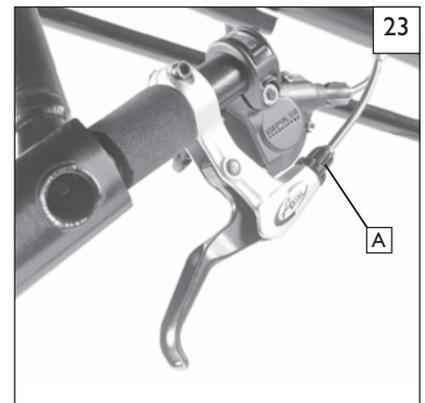
If the brakes are either too loose (braking is not immediate) or if the brake pads rub the disc brake while riding, the brakes will need to be adjusted.

1. Adjusting the brake cable

After each use the brake cables may stretch, causing the braking action to be limited. To tighten up the cable:

- a. Turn the cable adjustment knob(A) to the right 1/4 turn and check the engagement of the brakes.
- b. Repeat this action 1/4 turn at a time until the brake pads are fully engaged but do not rub on the disc after the brake handle is released.

The brakes are a critical component to the performance of your bike. If you have not been trained in proper bicycle maintenance, or are not familiar with the components on this product, all maintenance should be performed by a professional bike shop. Improper adjustments to the brake system may cause damage to the mechanism and affect the safety of the bike.



E. SIMPLE DERAILLEUR (POSITIVE SHIFTING) ADJUSTMENT 24

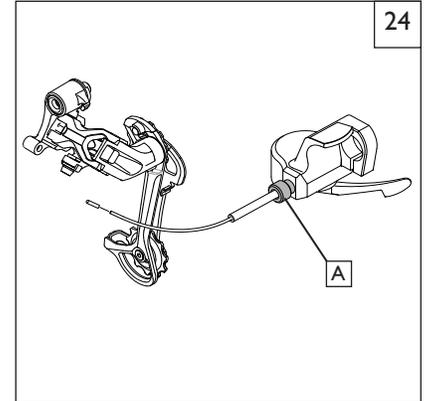
If shifting becomes difficult or sporadic, the Derailleur will need to be adjusted.

I. Adjusting the Derailleur cable (lower/upper)

After each use the Derailleur cables may stretch, causing the shifting action to be inconsistent, or not allow the chain to engage all of the gears. To adjust the travel of the Derailleur in or out with a cable adjustment:

- a. Turn the cable adjustment knob(A) clockwise 1/4 turn to decrease the travel of the derailleur and check the engagement of the gears while shifting. Turn the cable adjustment knob(A) counter clockwise 1/4 turn to increase the travel of the derailleur and check the engagement of the gears while shifting.
- b. Repeat this action 1/4 turn at a time until each click of the shifter results in a positive gear change.

The derailleur is a critical component to the performance of your bike. If you have not been trained in proper bicycle maintenance, or are not familiar with the components on this product, all maintenance should be performed by a professional bike shop. Improper adjustments to the derailleur may cause damage to the mechanism and affect the safety of the bike.

**A. FOR 2 (TWO) YEARS**

Sunrise warrants the Quickie Attitude frame against defects in materials and workmanship for two (2) years.

B. FOR ONE (1) YEAR

Sunrise warrants the Quickie Attitude battery and the electric motor against defects for one year from the date of first consumer purchase.

C. LIMITATIONS

1. We do not warrant:
 - a. Damage from neglect, accident, misuse, or from improper installation or repair.
 - b. Products modified without Sunrise Medical's express written consent.
 - c. Damage from exceeding the weight limit.
2. This warranty is VOID if the original unit serial number tag is removed or altered.
3. This warranty applies in the USA and Canada only. Check with your supplier to find out if international warranties apply.
4. This warranty is not transferable and only applies to the first consumer purchase of this unit through an authorized Sunrise Medical dealer.

D. WHAT WE WILL DO

Our sole liability is to repair or replace covered parts. This is the exclusive remedy for consequential damages.

E. WHAT YOU MUST DO

1. Obtain from an authorized supplier, while this warranty is in effect, prior approval for return or repair of covered parts.
2. Return the bike or part(s), freight pre-paid, to Sunrise Medical at: 2842 Business Park Avenue, Fresno, CA 93727-1328.
3. Pay the cost of labor to repair, remove or install parts.

F. NOTICE TO CONSUMER

1. If allowed by law, this warranty is in place of any other warranty (written or oral, express or implied, including a warranty of merchantability, or fitness for a particular purpose).
2. This warranty gives you certain legal rights. You may also have other rights that vary from state to state or province to province.

G. ADDITIONAL WARRANTY INFORMATION

For goods provided by Sunrise Medical Pty Ltd in Australia, our goods come with a guarantee by Sunrise that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits to you given by this warranty are in addition to your other rights and remedies under a law in relation to the goods to which the warranty relates.

Record your serial number here for future reference:

Sunrise Medical • 2842 Business Park Ave. • Fresno, CA 93727 • USA
In Canada (800) 263-3390



Customer Service: 800.333.4000
www.SunriseMedical.com

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9.16 MK-100393 Rev. A