

ActiveCare

Medical

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Spitfire™ 1310/1410 Scooter Owner's Manual

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1. Preface

Please read this owner's manual before using the scooter. Improper use of the scooter could result in harm, injury or traffic accidents.

This owner's manual includes operation instructions for every aspect of the scooter, assembly instructions, as well as instructions for how to deal with possible accidents.

The symbols used in this manual are explained below. Read carefully, especially the parts marked with these symbols:

 Warning	Improper usage could lead to death or serious injury
 Caution	Improper usage could lead to injury and/or damage to you scooter.
 Suggestion	Follow these instructions to keep the status of the scooter working well and ease your operation.

This manual includes the repair and maintenance record chart and warranty. Please keep it in a proper place or on the scooter.

If someone else uses the scooter, please be sure to give him or her the instruction manual.

As designs change, some illustrations and pictures in the manual may not correspond to the scooter that you purchased. We reserve the right to make design modifications.

The manufacturer disclaims all responsibilities for any personal injury or property damage which may occur as a result of improper or unsafe use of its products.

NOTE:

Please be sure to remove the safety caps from the bottom of the battery pack before operating the scooter.

2. SAFETY NOTICES

BEFORE THE FIRST USE OF YOUR SCOOTER

The user should be familiar with the operation of this scooter before driving. Therefore, keep these safety notices in mind.

The same traffic rules for pedestrians apply to the use of this scooter.

For your safety, please follow the rules that apply to pedestrians.

1. Ride on sidewalks or pedestrian areas only.
2. At the end of a sidewalk, be aware of the cars on the road.
3. Be extremely cautious when driving your scooter around heavy traffic streets or shopping malls.
4. Always obey pedestrian traffic signals.

Practice operating your scooter

Until you are familiar with the operation of your scooter, please practice in a wide and open area, like a park. To prevent the possibility of falling off your scooter while driving, bear in mind the scooters driving motion, such as whether it is accelerating, stopping, turning, reversing, or going up or down inclines.

1. Please set the speed dial to the lowest speed initially.
2. Be sure someone is accompanying you and watches for traffic while you are driving on the road for the first time.
3. Be sure you are able to control and operate your scooter safely and confidently before changing to a higher speed.

The ActiveCare scooter is limited to one passenger

Do not carry any passengers on your scooter (including children). Do not use this scooter to carry or transport goods.

REGULAR USE OF YOUR SCOOTER

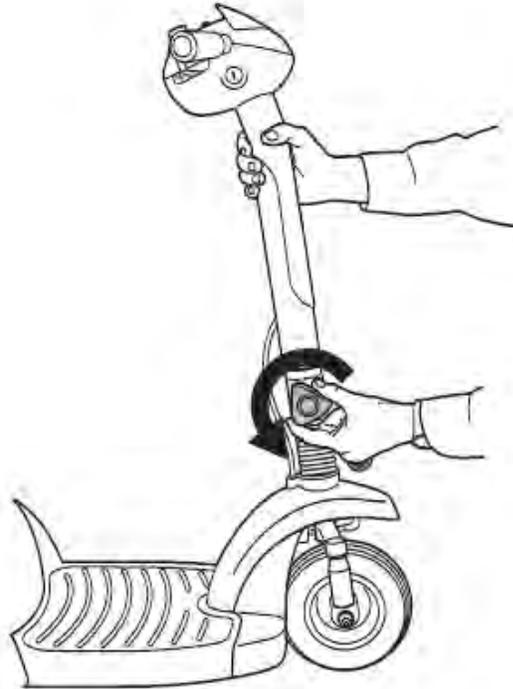
Please carry out daily inspections. Refer to Section 7 "Inspection & Maintenance" for inspection procedures.

Always make sure your scooter's battery is fully charged before operating.

Make sure the throttle lever is secure before turning on your scooter.

⊘ Warning!

Do not operate the scooter unless the tiller (handlebar column) is up, the teeth in the tiller adjustment bolt fit together, and the bolt is fully tightened.



Do not lean against, or pull forward on, the handlebar while mounting or dismounting from the scooter. Serious harm or injury may occur.

Do not stretch your body out on the scooter

Such action may cause you to lose your balance or be injured. Also, pay attention to loose clothing that could get tangled in the wheels.

Do not use your scooter under any of these circumstances:

- The road is muddy or has loose gravel
- The road is bumpy, narrow, or snow covered
- The road is beside a canal or waterway without fencing or hedges
- Do not drive your scooter after consuming alcohol or when fatigued
- Do not drive your scooter at night or in inclement weather

Additionally, avoid holes in the road where your wheels may get stuck. Do not make sudden turns. Do not ride on an escalator.

Do not use a mobile phone or other wireless communication device while driving

Also, do not charge a mobile phone or other electrical devices from your scooter.

Be careful driving on or near ramps and inclines

1. Be careful while driving up a steep incline. Refer to "CLIMBING ANGLE" in Section 9 "SPECIFICATIONS" for details.
2. In order to avoid damage or injury to the scooter the driver should not lean against or pull on the operating lever while going up or down an incline.
3. When climbing **up** an incline, please drive slowly. You can set the speed dial to a higher speed of "5". When going **down** an incline, never reverse your scooter. Set the speed dial to the lowest speed setting "1".
4. Do not drive through any holes in the road. Refer to "MAXIMUM GROUND CLEARANCE" in Section 9 "SPECIFICATIONS" for details.
5. Do not pass through water covering the road unless the water is less than 1 inch deep.
6. Please drive slowly on roads with drops or dips.
7. Do not make sudden turns while drive on gravel roads or ramps.

⊘ Warning!

Do not set the scooter in freewheel mode when driving on an incline or decline.

Maximum User Weight Limit

Refer to "MAXIMUM LOAD WEIGHT" in Section 9 "SPECIFICATIONS" for details. Overloading your scooter will lead to damage to, or malfunction of, your scooter. This could cause the scooter to become a safety hazard. The warranty does not cover damage from overloading.

LABELING OF YOUR SCOOTER

Please read all the labeling on the scooter before driving it. For your future reference, do not remove them.



3. EMI

This portion of the manual will provide the user with basic information about the problems with EMI (electromagnetic interference), protective measures can be used to either lessen the possibility of exposure or to minimize the degree of exposure; this section also shows some conditions that unexpected or erratic movements may cause.

◆ Caution

It is very important that you read this information regarding the possible effects of electromagnetic interference on your electric ActiveCare scooter.

ELECTROMAGNETIC INTERFERENCE (EMI) FROM RADIO WAVE SOURCES

Powered scooters may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the powered scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powered scooter's control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each powered scooter can resist EMI up to a certain intensity level. The higher the immunity level the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This powered scooter model as shipped, with no further modification, has an immunity level of 20 V/m without any accessories.

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warning listed below, your risk to EMI will be minimized.

The sources of radiated EMI can be broadly classified into three types:

1. Hand-held portable transceivers (transmitter-receivers with the antenna mounted directly on the transmitting unit). Examples include: citizens band (CB) or hand held radios, (security, fire, and police transceivers), cellular telephones and other personal communication devices.

NOTE: Some cellular telephones transmit a signal while they are ON but not being used.

2. Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances and taxis usually have the antenna mounted on the outside of the scooter.
3. Long-range transmitters and transceivers, such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios.

NOTE: Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD player, and cassette players, and small appliances, such as electric shavers and hair dryers, are not likely to cause EMI problems to your powered scooter.

POWERED SCOOTER ELECTROMAGNETIC INTERFERENCE (EMI)

EM energy rapidly becomes more intense as one moves closer to a transmitting antenna (source). The EM fields from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the powered scooter's control system while using these devices; this can affect your scooter's movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of a powered scooter.

⊘ Warning!

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect motorized scooters. Following the warnings listed below should reduce the chance of unintended brake release or powered scooter movement which could result in serious injuries.

1. Do not operate hand-held transceivers-receivers, such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the powered scooter is turned ON.
2. Be aware of nearby transmitters, such as radio or TV stations, and try to avoid getting close to them.
3. If unintended movement or brake release occurs, turn the powered scooter OFF as soon as it is safe.
4. Be aware that adding accessories or components, or modifying the powered scooter, may make it more susceptible to EMI.
5. Report all incidents of unintended movement or brake release to the scooter manufacturer, and note whether there were sources of EMI nearby.

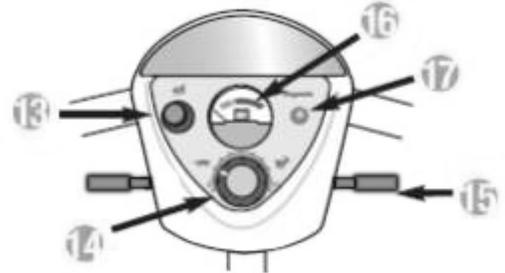
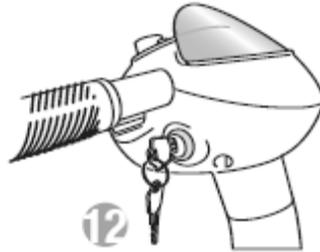
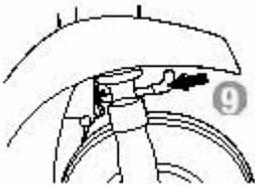
4. Parts

SPITFIRE 1310

The parts of your scooter

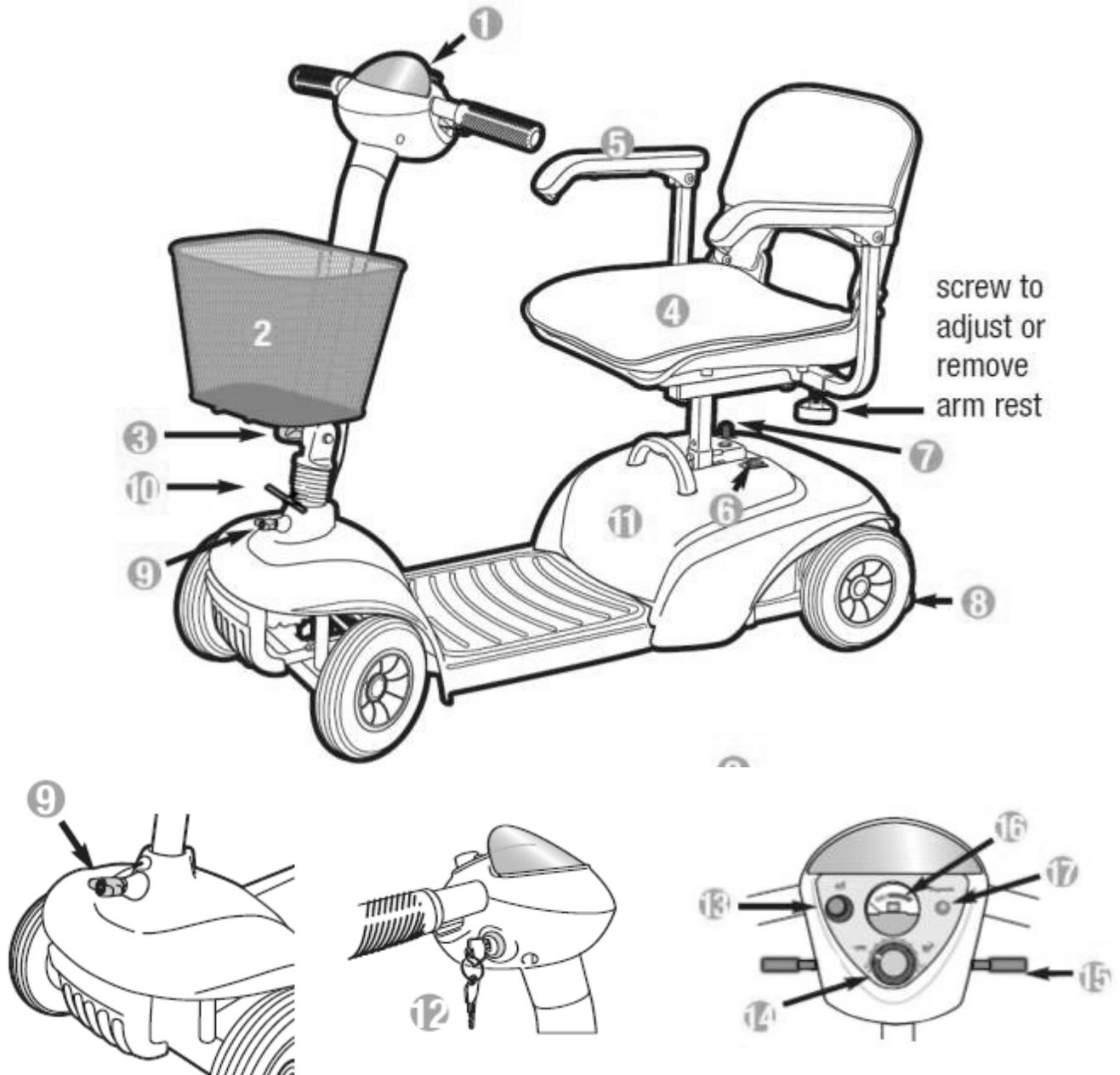


screw to
adjust or
remove
arm rest



- | | |
|---|----------------------|
| 1. Control Panel | 10. Carrying Handle |
| 2. Basket | 11. Battery Pack |
| 3. Tiller Adjustment Bolt | 12. Key Switch |
| 4. Detachable Swivel Seat with Fold-Down Back | 13. Horn Button |
| 5. Removable Flip-Up Arm Rest | 14. Speed Dial |
| 6. Charger Socket & Cover | 15. Throttle Lever |
| 7. Freewheel Mode Lever | 16. Battery Gauge |
| 8. Anti-Tip Wheels | 17. Diagnostic Light |
| 9. Tiller Lock | |

SPITFIRE 1410



- 1. Control Panel
- 2. Basket
- 3. Tiller Adjustment Bolt
- 4. Detachable Swivel Seat with Fold-Down Back
- 5. Removable Flip-Up Arm Rest
- 6. Charger Socket & Cover
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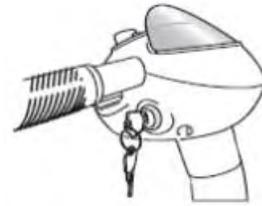
5. OPERATION

POWER SWITCH

Turn the key switch to power ON or OFF

[ON] Power is turned on

[OFF] Power is turned off



FORWARD AND REVERSE

1. Push the throttle lever forward with your right thumb and the scooter will move forward.
2. Push the throttle lever forward with your left thumb and the scooter will move backward.
3. The horn will beep when the scooter is in reverse.

BRAKING

To activate the electromagnetic brake, release the throttle lever completely. The brake will be activated and the scooter will come to a stop.

Warning!

When going down an incline, NEVER set scooter to freewheel mode. The electromagnetic brake will not function in freewheel mode.

HORN BUTTON

The warning horn will be activated when you push the button, release the button and the horn will stop.

SEAT

The seat can be turned 90 degrees. Pull the swivel seat lever to rotate the seat.

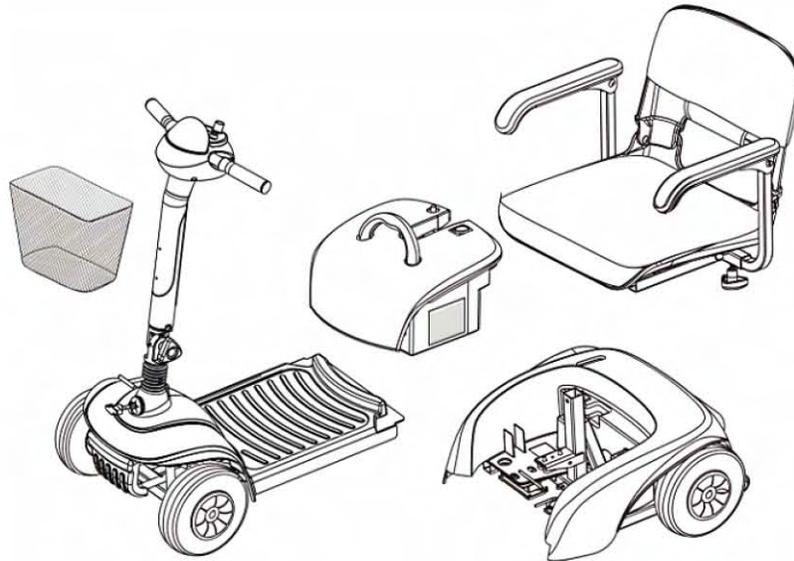
The seat has 4 height adjustments. After adjusting the height to the desired seat position, secure the fixed nut.

Caution

Be sure the seat is in the forward position and locked before driving.

PARTS

You can disassemble the scooter into five pieces: the seat, the front section, the basket, the battery pack, and the rear section.



1. Place the scooter in an area where you have sufficient clearance to move the parts around. You may need assistance to lift some components.
2. See "Specifications" for individual component weights.
3. No tools are required to disassemble or assemble your scooter. Always disassemble or assemble your scooter on a level, dry surface with sufficient space for you to work and move around the scooter. Keep in mind that the disassembled sections of the scooter take up more floor space than the assembled scooter.

◆ Caution

Lifting weight beyond your physical capability may result in personal injury. Ask for assistance when necessary while disassembling or assembling your scooter.

ASSEMBLY

Note: Raise the tiller before reassembling the scooter.

1. Place the freewheel mode lever in the drive position.
2. Set the rear section in the up position and make sure the hook for the front section is connected to the axle of the rear section. (See Fig 5.1)
3. Put down the front and rear sections until the scooter is level. (See Fig 5.2)
4. Set down the battery pack on the scooter, and make sure it is in the correct position.
5. Set down the seat on the seat post until the swivel lock engages and you hear a click.
6. Turn key switch to "ON". Make sure battery gauge indicates sufficient power.

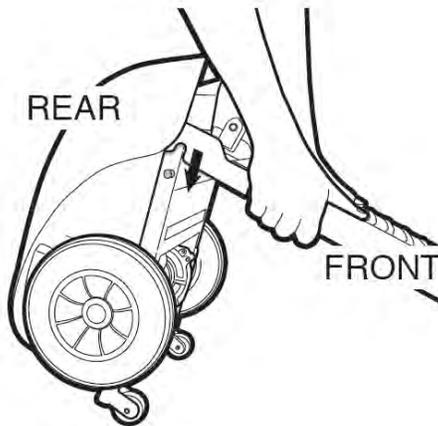


Fig 5.1

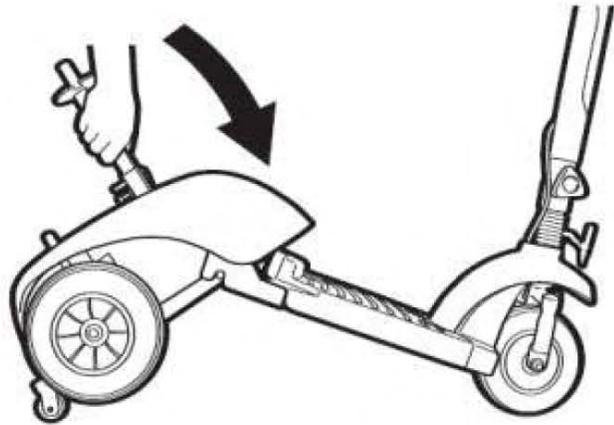


Fig 5.2

◆ Caution

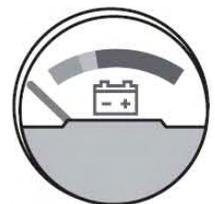
- Make sure you connect all pieces together properly.
- Turn off all power to your scooter and remove key from key switch to prevent accident before disassembly.
- Pay careful attention while assembling to avoid finger injuries
- Ensure the front and rear sections are set in the right position before driving.

DISASSEMBLY

1. Turn key switch to "OFF".
2. Place the free wheel mode lever in the drive position.
3. Pull upward on the swivel-release lever to remove the seat from seat post.
4. Pick up the battery pack and remove it from the scooter.
5. Pull the connecting device upward to the rear section and stand upright.
6. Take off the front section with both hands and lower the shaft.

BATTERY GAUGE

When the key is switched "ON", the battery gauge will display the battery power capacity by indicating red, yellow and green areas respectively.



The green area indicates a full charge from the battery. Red area indicates low power.

The remaining power indicated by the battery gauge will vary based on the actual driving time and how you drive. Repeated starting, stopping or climbing will consume the power more quickly.

① Suggestion

1. It is recommended that you charge the battery immediately when the battery gauge is in the red area.
2. After charging or replacing a new battery, drive the scooter for 2-3 minutes to make sure the battery capacity is enough.
3. In the wintertime, the battery may respond more slowly and the distance you can travel may also be shortened.
4. When driving on an incline, the battery gauge light might move from green to red, this is a normal phenomenon, please do not worry.
5. Even if the battery is used properly, it is natural that the battery capability will decay as time passes. This results in a shortening of travel distance compared to a brand new battery. Therefore, when you find the travel distance is about only 50% of a brand new battery's traveling distance, it is time for a replacement battery. Please go to your dealer and ask a new battery. If you continue to use the old battery when its capacity has decreased, it could lead to a decrease in travel distance.
6. Travel distances will be shortened when driving frequently on an incline or slope, as this leads to a larger consumption of the power.

DRIVE MODE

Push the freewheel mode lever on the scooter towards the rear direction, and the scooter will be driven by the motor.

FREEWHEEL MODE

Push the freewheel mode lever on the scooter forward and the scooter can be pushed by hand.

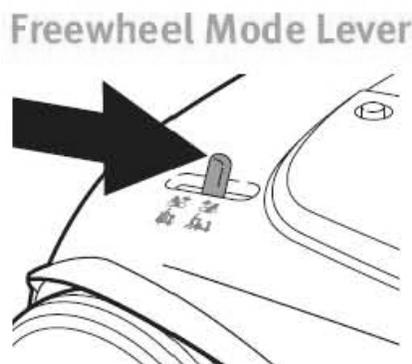


Fig 5.3

TILLER ADJUSTMENT

The tiller can be adjusted by the following steps.

1. Turn the knob counter clockwise to unscrew the bolt. (Fig 5.4).
2. Adjust the tiller angle to the desired position; turn the knob clockwise to tighten the bolt.



Fig 5.4

DRIVING YOUR SCOOTER

1. Make sure the seat is installed properly.
2. Make sure the tiller has been secured properly.
3. Turn the key switch to "ON".
4. Check battery gauge to see whether there is enough power for your trips. If you have doubts about the remaining power, please charge the battery before departure.
5. Set to the proper speed by the speed dial.
6. Be sure the throttle lever is functioning properly.
7. Make sure the electromagnetic brake is working properly.
8. Make sure it is safe before driving on the street.

◆ Caution

1. Do not push the right hand & left hand throttle levers simultaneously; this might lead to losing control of your scooter.
2. Do not set to the highest speed while driving indoors.
3. Do not adjust the speed dial while driving, the sudden change in speed may endanger you and cause your scooter to malfunction.
4. Do not place magnetic devices near the area of the operation handle; this could affect the safe operation of your scooter.
5. While reversing the scooter, be aware of people or objects behind you.

DRIVING SPEED

The driving speed of the scooter is set via the speed control knob located on the control panel. When the knob is turned to a position, the scooter will drive only at the speed indicated by the knob. The scooter will travel faster the farther the knob is turned clockwise. To reduce the scooter's travel speed, turn the knob back counter-clockwise.

STOPPING

1. Release the throttle lever completely, and the scooter will naturally brake and stop.
2. Turn the key switch to [OFF]. Then pull out the key (only after stopping).

◆ Caution

The stopping distance will vary with your forward/reverse speed. Please begin braking as early as possible.

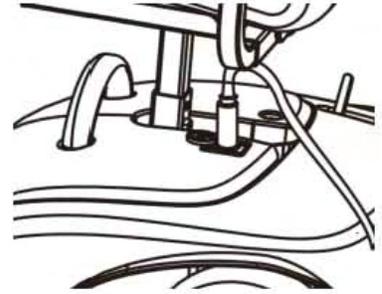
While parking your scooter, be sure to park on a flat ground and then turn the power to "OFF".

6. BATTERY & CHARGER

CHARGING THE BATTERY

Be sure to follow the procedures below accordingly.

1. Turn the scooter key switch to "OFF".
2. Open the charging socket cap on the scooter's cover then connect the charger's plug to the charging socket.
3. Plug the power cable into your power outlet.
4. The charger's LED light will be orange at the beginning of a charge. The charging duration is at least 6-8 hours (but this will vary), based on the status of the battery and temperature.
5. The orange LED will turn to green when the charging is complete.
6. Disconnect the cord and remove the round plug from the charge socket.



ⓘ Suggestion

1. Do not disconnect the charger cord if charging is not complete. The battery life will be shortened if the battery is repeatedly used without being fully charged. Therefore, be sure to charge the battery fully every time.
2. Continue to charge until the green LED light is on. NEVER stop charging before it is complete.
3. While finishing charging, the electric power will still slowly discharge if the cord is not disconnected.
4. Your scooter should be charged at least every month to keep the battery at full status, even when not being used.
5. Charging time will be affected by the ambient temperature so it takes longer in the wintertime.

⚠ Caution

Please follow the rules below to avoid accidents while charging.

1. Please use the ActiveCare scooter's charger only and charge the battery completely every time. The battery might be damaged if you use a charger that is not compatible.
2. Never disassemble or modify the charger.
3. Do not charge in a space that is directly exposed to the sunlight. Do not charge in a space where it is humid or subject to rainfall or dew.
4. Do not cover the scooter with any waterproof cloth or other objects while charging.
5. Do not charge in temperatures lower than 14°F or higher than 122°F, the charger may not work properly and the battery may be damaged

⚡ Warning!

1. Keep away from flammable objects while charging, as it may lead to fire or explosion of the batteries.
2. As the battery may produce hydrogen, do not smoke while charging. Always charge your battery in a well-ventilated space.
3. Never connect or disconnect the plug or cord with wet hands while charging. Do not connect or disconnect the plug or cord when they are wet, this may lead to an electric shock.

BATTERY SPECIFICATIONS

Type	Deep-cycle (Sealed Lead Acid Battery)
Size	6" × 4" × 3.7" (L × W × H)
Voltage	12 V
Amperage	12 Ah

Do not expose the battery to temperatures lower than 14°F or higher than 122°F when charging or storing the scooter. Exceeding the specified temperature ranges can lead to freezing or overheating of the battery. This will possibly damage the batteries and shorten their lifetime.

The battery used on your scooter is sealed lead acid, which is maintenance-free, so it is not needed to change or refill the battery liquid.

ⓘ Suggestion

1. Do not use the battery to charge any other equipment.
2. Battery capability will vary with outside conditions; the driving distances will be shorter in the winter.
3. If the scooter is not to be used for a long time, please charge the battery every three months.
4. Replace both batteries at the same time.

7. INSPECTION & MAINTENANCE

DAILY CHECKING

Check the following items before driving. If you find anything abnormal, go to or call your scooter dealer for further inspection before using it.

Item	What to Look For
Handle Bar	Is it tight? Can it be turned left or right smoothly?
Speed Dial	Can it be adjusted freely and function well?
Throttle Lever	Does the scooter move when the lever is engaged? Does the scooter stop when the lever released completely?
Motor	Is there any abnormal noise from the motor? Does the electromagnetic brake work properly?
Freewheel Mode Lever	Does the free wheel mode lever work properly?
Battery Gauge	Does the light come on when switched "ON"? Is the remaining power enough for your trip?
Horn Button	Does the horn work?
Turn signal	Does the turn signal work?
Seat	Is the seat on properly? Can the seat be turned smoothly?
Tires	Are there any cracks or other damage to the tires? Check the tread on the tires.
Other	Is there any abnormal noise?

Caution

Go to your dealer for inspection and maintenance if you find anything wrong.

REGULAR MAINTENANCE RECORD

To make sure your scooter is in good condition, go to your dealer regularly for maintenance and record it accordingly every six months after purchasing (fee required).

ⓘ Suggestion

Even if you don't use the scooter for a long time, the scooter should still be maintained regularly.

I – Inspection
T – Tightening

A - Adjustment
C - Cleanse

Δ - Repair
L - Add Oil

x - Replacement

Item/Period		1 mo.	6 mo.	12 mo.	18 mo.	24 mo.	30 mo.
Operate Panel	Forward/Reverse of speed lever						
	The function of switches						
	Connection of socket/plug is good						
Motor	Operation and noise						
	Function of electromagnetic brakes						
	Connection of socket/plug is good						
Transaxle	Any oil leakage from Transaxle						
Battery	Looseness or corrosion on terminals						
	Connection of socket/plug is good						
	Any broken on electrical cord						
Charger	Charging function and LED light						
	Any damage on socket/plug/cord						
Seat	High adjustment bolt damaged						
	Seat post looseness						
Tiller	Right/left turn of tiller						
	Adjustment of tiller angle						
Tire	Crack or damage of tire surface						
	Tread depth enough or not						
	Abnormal wearing						
Rim	Tightness of bolts and nuts						
	Wear or deformation around tires						
Shock Absorber	Tightness of bolts and nuts						
	Damage to shock absorbers						
Inspector	Check by						
	Checking date						

BATTERY, FUSES, CIRCUIT BREAKER AND TIRES

Battery

Refer to Section 6 "CHARGING AND BATTERY".

Fuse

There are two fuses on your scooter. One is located inside the operation panel; another is in the battery pack. If the key switch is "ON" and the battery gauge does not move, check the fuse.

Suggestion

Ask for help from your dealer for inspecting or replacing the fuses, (since battery pack has to be disassembled first for replacement of fuses).

Circuit Breaker

There is one button for the circuit breaker (located on the battery pack). If the power switch is "ON" and the battery gauge does not move, it is possible an electric current has overloaded the scooter. Reset the circuit breaker by pressing the button.

Tires

The condition of the tires depends on how you drive and use your scooter. Please check the tread depth regularly. Replace the tires when the tread depth is less than 0.5 mm. Regularly inspect your scooter's tires for signs of wear.

Caution

When tread depth is below 0.5mm, it can easily lead to slippage, making braking distances longer. Therefore, replace the tires as early as possible.

MAINTENANCE

1. You must maintain the scooter frequently if you drive on grass, sand, or gravel roads.
2. Do not use water, oil or other chemical solutions to clean your scooter. Be sure NOT to spray the scooter with water to prevent damaging the electronic components and printed circuit board. Please clean the scooter by wiping it with either a dry or moist cloth.
3. Please take the scooter to authorized dealers for repairs and adjustments. Improper adjustments could lead to accidents and scooter malfunction.
4. Please use soft and dry cloths to keep your scooter tidy. Please use moderate or mild detergent to clean the scooter.

 **Caution**

When conducting maintenance of your scooter, please turn the key switch "OFF" and remove the charger cord.

STORAGE

When storing your scooter:

- Make sure the seat is set in the "Forward" position
- Make sure the key switch is turned to "OFF"

 **Suggestion**

Please store the scooter in a location where it is out of direct sunlight, rain, or dew. When storing for long periods of time, please charge the battery every 3 months. For further details, inquire with your dealer.

8. TROUBLESHOOTING

This table is only a guide to aid you in getting your scooter operating, should you have any problems. If you are unable to get your scooter operating, please contact your Authorized Service Center.

Table 1: Basic Troubleshooting

Symptom	Possible Cause	Solution
Scooter does not move	1. Key switch is not "ON"	1. Turn key switch to "ON".
	2. Main circuit breaker tripped	2. Reset circuit breaker in trunk area.
	3. Brake release lever in 'Freewheel Mode'	3. Place lever to 'Drive Mode'.
	4. Charger connected to outlet	4. Disconnect charger.
	5. Battery power low	5. Recharge battery.
	6. Scooter shuts down to conserve battery	6. Cycle key switch "OFF", then "ON".
	7. Controller error	7. Check diagnostic light for Flash Code (See Table 2 to get solution).
Scooter feels wobbly when driven	1. Seat is loose	1. Check seat for loose hardware or damage. Ensure seat in locked position.
	2. Bearing in tiller worn	2. Replace bearings.
Range less than expected	1. Charging too infrequently	1. Charge scooter more often.
	2. Defective or worn out battery	2. Load test batteries. If necessary, replace.
	3. Cold weather reduces battery life	3. Allow batteries to reach room temperature and then fully recharge.
	4. Defective charger	4. Contact your Authorized Service Center.
Erratic behavior when engager is operated	1. Faulty engager	1. Contact your Authorized Service Center.
Brake squeals	1. Dirt in brake pad	1. Blow dirt out with air pressure hose.
Brake release lever sticks	1. Rust and corrosion	1. Spray ball detent area with lubrication oil.
Stiffness in steering	1. Possible grime build-up	1. Lubrication rod end joints.

The diagnostic flash codes for your scooter are designed to help you perform basic troubleshooting quickly and easily. A diagnostic flash code flashes from the diagnostic light in the event one of the conditions listed below develops.

Table 2: Scooter Controller Internal Diagnostics

Flash code	Possible Cause	Solution
1	The battery needs charging or there is a bad connection to the battery.	Check the connections to the battery. If the connections are good, try charging the battery.
2	There is a bad connection to the motor.	Check all connections between the motor and the controller.
3	The motor has a short circuit to a battery connection.	Please contact your Authorized Service Center.
4	Not available	
5	Not available	
6	The controller is being inhibited from driving.	Check the battery charger connector. Remove the battery charger from the scooter.
7	A speed control lever fault is indication.	Make sure that the speed control lever is in the rest position before switching on the scooter.
8	A controller fault is indicated.	Make sure that all connections are secure.
9	The parking brake has a bad connection.	Check the parking brake and motor connections. Make sure the controller connections are secure.
10	Excessive voltage has been applied to the controller.	Check the battery connections. This is usually caused by a poor battery connection.

9. SPECIFICATIONS

Model	Spitfire 1310	Spitfire 1410
Max. Weight Capacity	300lbs/136kg	300 lbs/136kg
Travel Speed/Range		
Speed	4 mph/6 kph	4 mph/6 kph
Estimated Range	7.5 miles/12 km	7.5 miles/12 km
Maximum Grade/Incline	12°	12°
Turning Radius	43"/1092mm	47"/1194mm
Ground Clearance	2.2"/56mm	2.2"/56mm
Overall Dimensions		
Length	42"/1067mm	43"/1095mm
Width	19"/483mm	19"/483mm
Height	36"/914mm	36"/914mm
Seat Dimensions		
Width	17"/432mm	17"/432mm
Depth	16"/406mm	16"/406mm
Back	14"/356mm	14"/356mm
Armrest to Seat	7"/178mm	7"/178mm
Power		
Motor	24Vx270Wx4700 rpm	24Vx270Wx4700 rpm
Controller	Dynamic R 50 A	Dynamic R 50 A
Batteries	Two DC12V x 12AH	Two DC12V x 12AH
Battery Charger	2 Amp, Offboard	2 Amp, Offboard
Brakes	Electromagnetic	Electromagnetic
Freewheel Mode	Yes	Yes
All Tires (Foam-filled)	8"x2"/200mmx50mm	8"x2"/200mmx50mm
Suspension	N/A	N/A
Weights		
Total Weight w/Battery	88lbs/40kg	99lbs/45kg
Total Weight w/o Battery	66lbs/30kg	77lbs/35kg
Heaviest piece weight (rear section)	28lbs/13kg	28lbs/13kg

REMARK: ActiveCare reserves the right to modify the specifications if necessary. The final specifications are subject to the individual scooter your purchase from your dealer.

Note: Maximum driving distance is based on the conditions of ambient temperature at 68° F, a 165 pound driver and a brand-new, fully charged battery.

10. LIMITED WARRANTY

This warranty is extended only to the original purchaser/user of our products. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

ActiveCare warrants this product to be free from defects in materials and workmanship, for the following periods:

<u>Three Years</u>	<u>12 Months</u>	<u>6 Months</u>
<ul style="list-style-type: none">▪ Main frame▪ Fork▪ Seat post▪ Tiller frame	<ul style="list-style-type: none">▪ Electronic controllers▪ Transaxle▪ Motor & Brake (electronic function only)▪ Charger▪ Any other electrical subassembly	<ul style="list-style-type: none">▪ Batteries

If within such warranty periods any such part shall be proven to be defective, such part shall be replaced. This warranty does not include any labor or shipping charges incurred in the installation of any such replacement part. ActiveCare's sole obligation, and your exclusive remedy under this warranty, shall be limited to such replacement.

For warranty service, please contact the dealer from whom you purchased your ActiveCare product. In the event you do not receive satisfactory warranty service, please write directly to ActiveCare at this address:

ActiveCare Medical
2 Harbison Way
Columbia, SC 29212

Provide dealer's name, address, and date of purchase, indicate nature of the defect and, if the product is serial numbered, indicate the serial number. Do not return products to ActiveCare without our prior consent.

LIMITATIONS AND EXCLUSIONS: THE FOREGOING WARRANTY SHALL NOT APPLY TO SERIAL NUMBERED PRODUCTS IF THE SERIAL NUMBER HAS BEEN REMOVED OR DEFACED, IF THE PRODUCTS HAVE BEEN SUBJECT TO ACCIDENT, MISUSE, ABUSE, NEGLIGENCE, MISHANDLING, MISAPPLICATION, COMMERCIAL USE, ACTS OF GOD, ALTERATIONS OR MODIFICATIONS NOT AUTHORIZED BY ACTIVECARE, INCLUDING BUT NOT LIMITED TO, MODIFICATION THROUGH THE USE OF UNAUTHORIZED PARTS OR ATTACHMENTS; PRODUCTS DAMAGED BY REASON OF

REPAIRS MADE TO ANY COMPONENT WITHOUT THE SPECIFIC CONSENT OF ACTIVECARE, OR TO A PRODUCT DAMAGED BY CIRCUMSTANCES BEYOND ACTIVECARE'S CONTROL, SUCH EVALUATION WILL BE SOLELY DETERMINED BY ACTIVECARE. THE WARRANTY SHALL NOT APPLY TO PROBLEMS ARISING FROM NORMAL WEAR OR FAILURE TO ADHERE TO THESE INSTRUCTIONS. A CHANGE IN OPERATING NOISE, PARTICULARLY RELATIVE TO MOTORS AND GEARBOXES DOES NOT CONSTITUTE A FAILURE. ALL SUCH DEVICES WILL EXHIBIT A CHANGE IN OPERATING NOISE DUE TO AGING.

THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES WHATSOEVER, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND THE SOLE REMEDY FOR VIOLATIONS OF ANY WARRANTY WHATSOEVER, SHALL BE LIMITED TO REPLACEMENT OF THE DEFECTIVE PRODUCT PURSUANT TO THE TERMS CONTAINED HEREIN, THE APPLICATION OF ANY IMPLIED WARRANTY WHATSOEVER SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESS WARRANTY PROVIDED HEREIN. ACTIVECARE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

THIS WARRANTY SHALL BE EXTENDED TO COMPLY WITH STATE/PROVINCIAL LAWS AND REQUIREMENTS.

WARRANTY REGISTRATION

Don't Forget to Complete Your Warranty Form!

Be sure to fill out the form below. After completing the form, please mail it to:

ActiveCare Medical
2 Harbison Way
Columbia, SC 29212

Please type or print

VIN _____	Date Purchased _____
Owner Name _____	
Address _____	
City _____	State _____ ZIP _____
Signature _____	Telephone _____
Dealer Name _____	Dealer Phone _____
E-mail Address _____	
Comments _____	
