



Serial Number

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Thank you and congratulations on purchasing your new Abilize Mobility Scooter.

It is designed to provide you with transportation ability indoors and outdoors.

We pride ourselves on providing safe and comfortable products. Our goal is to ensure your complete satisfaction. We sincerely hope you enjoy your Abilize Mobility Scooter.

Please read and observe all warnings and instructions provided in owner's manual before you operate the various functions of this scooter. Also, please retain this booklet for future reference.

## IF YOU HAVE ANY QUESTIONS, YOU CAN CONTACT:

### UK Authorised Dealer

CareCo (UK) Limited,  
1 Turing Court,  
Great Notley,  
Braintree,  
CM77 7AT

0333 015 5000

[www.CareCo.co.uk](http://www.CareCo.co.uk)

### Information of European Representation

**MedNet EC-REP GmbH**  
Borkstrasse 10,  
48163 Muenster,  
Germany

**UKRP** MediMap Ltd, 2 The Drift,  
Thurston, Suffolk, IP31 3RT



CareCo (UK) Limited,  
1 Turing Court, Great Notley,  
Braintree, CM77 7AT

**UK  
CA**





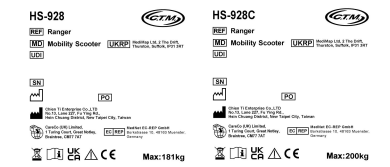

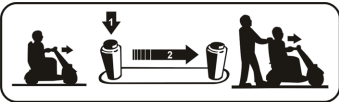

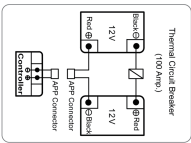


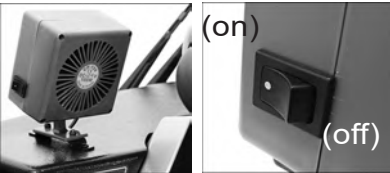
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### **Important Precautions:**

- Only one person at a time can ride the Scooter.
- Maximum load is 181KG / 400 lbs (Ranger), 200KG / 440lbs (Kondor).
- Turn key off before getting on or off.
- Always drive carefully and be aware of others using the same area.
- Always use pedestrian crossings wherever possible. Take extreme care when crossing roads.
- Do not drive on slope exceeding 9 degrees, and take extreme care when turning on a slope.
- Do not use full power when turning on a sharp corner.
- Take great care and drive in a low speed when reversing, riding downhill or on an uneven surface, and climbing curbs.
- Please use the lowest speed when driving through a descending road or uneven terrain. If speed is too fast, leave your hands off the handle bar and let the scooter stop. Make sure you are safe and start again.
- The weight capacity limit can be different depending on ramp degree.
- A slow speed must always be used when ascending, descending or traversing a slope or incline and also on uneven terrain, ramps and soft or loose surfaces, such as gravel or grass.
- To prevent any danger, do not turn around at high speed while ascending or descending a ramp.
- Scooter may not operate well in high humidity.
- Do not leave the powered scooter in a rain storm of any kind.
- Direct exposure to rain or dampness will cause the scooter to malfunction electrically and mechanically; may cause the powered scooter to prematurely rust.
- Never put scooter in neutral when driving on slopes.
- Follow traffic laws when riding outside.
- Do not sit on the scooter if taking on moving transport vehicles such as trains.

Safety Warnings & Instruction Labels

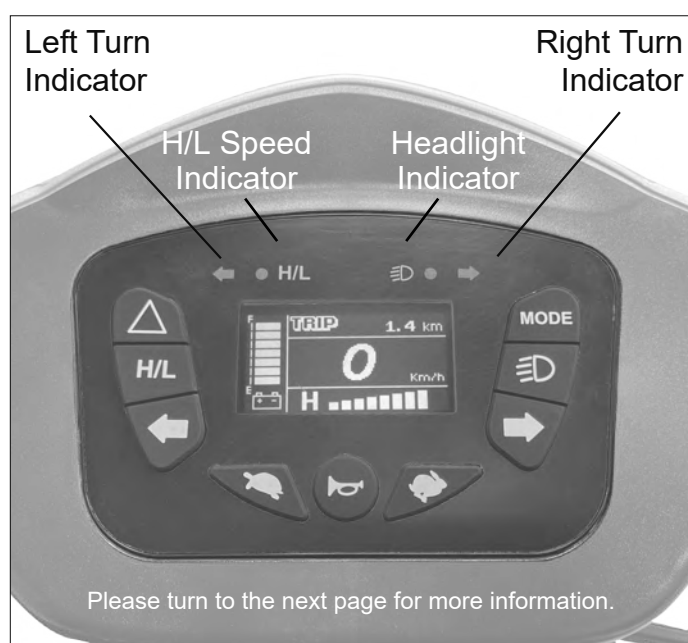
The following labels are positioned on your scooter, they communicate important warnings or instructions regarding the safe operation of your scooter. Please carefully read all labels before driving.

	Please read the instruction booklet carefully before using your scooter. Do not drive the scooter on slippery surfaces or on slopes over 8 degrees. Do not drive on highways, crowded roads, or unfamiliar areas. Do not turn at high speeds. Do not wash with water or leave scooter in a humid environment as water can damage the electronic parts.
	Do not hang baggage or other objects on the tiller / tiller adjustment lever.
	Information Sticker states the date of manufacture and serial number of the scooter.
	Tiller angle adjustment.
	N-D Lever Adjustment label which instructs freewheel mode operation.
	Tie-down points of the scooter. Do not sit on the scooter if taking on moving transport vehicles. Tie-down points of the scooter. Do not sit on the scooter if taking on moving transport vehicles.
	Wiring diagram Label.
	Ensure your hands are away from any moving parts before activating the door.
	The DC 24/2A port is for LED reading light use ONLY. Do not use the port to charge scooter or any other devices.
	<b>WARNING!</b> Do not operate longer than 20 minutes at one time, to cool completely after use. <b>Air Heater (Optional)</b> With heating air (for defrost or demist). Turn the fan to the wind screen when demisting. Push the switch to turn on/off the heater. The direction of the vent can be adjusted to the preferable position. ※ Please make sure to turn the power of heater off when it is not in use. ※ Do not use heater for the entire journey as it may reduce travel range due to power consumption. Please reference to product specification for details. ※ Please do not put your hands near the vent after extended periods of time for heating air.

**Before attempting to drive this scooter on your own, it is important that you familiarise yourself with the controls and how to operate them. (Please refer to page 21 for Kondor Cabin Scooter's parts)**



**Figure 1 - Front View**



**Figure 2 - Top Control Panel**



**Figure 3 - Back View**

## Function of parts:

### Main key switch (A)

- Turn the key to the right to turn the scooter on.
- Turn the key to the left to turn the scooter off.



**CAUTION:** Always ensure that the scooter is switched off before getting on or off the scooter and before removing any items from the scooter.

**CAUTION:** Turning the scooter OFF whilst driving will bring the scooter to an abrupt stop.

## Top Control Panel Symbols and meanings:

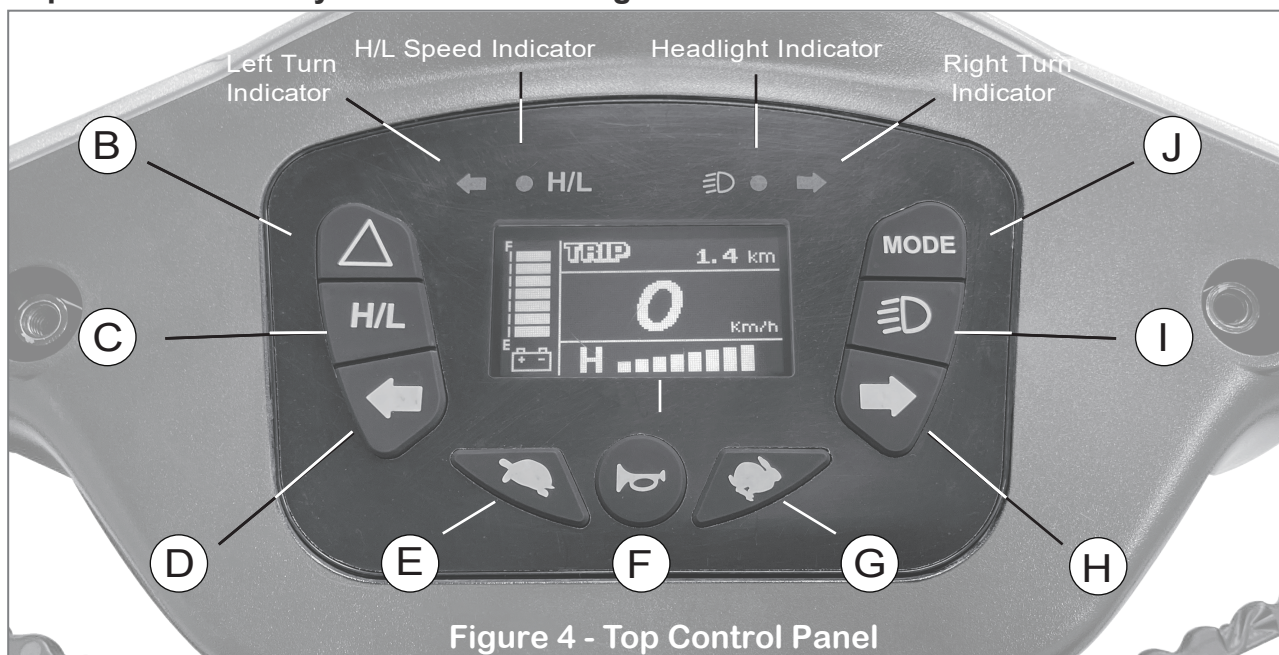


Figure 4 - Top Control Panel

Icon	No.	Button Name	Operation
	B	Hazard Light	Press the Hazard lights button once to switch on, press again to switch off.
<b>H/L</b>	C	Hi/Lo Switch	High / Low mode.
	D	Left Turn Signal	Press the turn signal button once to switch on, press again to switch off (switches itself off automatically after 30 seconds)
	H	Right Turn Signal	Press the turn signal button once to switch on, press again to switch off (switches itself off automatically after 30 seconds)
	E	Deceleration	Press low speed button once to decrease speed, the minimum speed is 1.
	G	Acceleration	Press acceleration button once to increase speed, the maximum speed is 8.
	F	Horn	Press horn button once to sound warning tone when necessary.
	I	Headlight Switch	Press headlight button once to switch on, switch off by pressing again.
<b>MODE</b>	J	Mode Setting	Press mode setting button to set different mode.



### **Tiller Storage Compartment (K):**

Provides you spacious room for storage.

Hand Brake (L). Hold brake (L), when immediate stop is required.

**CAUTION: If you have to brake in an emergency, simply release the Throttle and hold the hand brake which will bring you to a halt!**

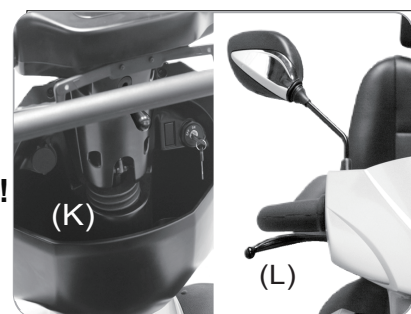
### **Wigwag Lever Operation:**

Pull the right-hand drive lever (N) carefully to travel forwards.

Pull the left-hand drive lever (M) carefully to travel in reverse.

(This can be reversed if required by local dealer.) Releasing both, engages automatic brake.

These are also your accelerators - The further you depress them, the faster you go. (Subject to the position of the Rabbit / Turtle control).

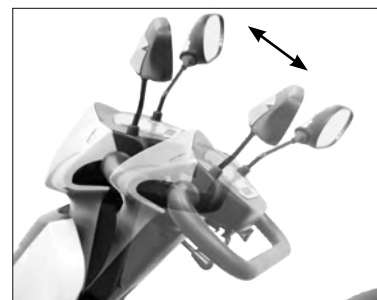
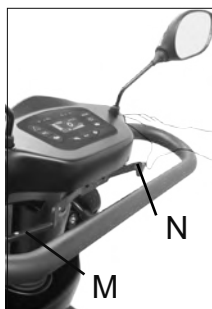


**CAUTION: Keep LCD display panel and Wigwag Lever dry. If panel and Wigwag Lever get wet, allow to dry out before using.**

### **Steering Adjustment:**

Press angle adjustment (N) down to achieve a comfortable steering angle.

**CAUTION: Do not make adjustments whilst driving. Ensure steering is at optimum angle before and after use.**



### **Seat Adjustment (P):**

Pull the Seat Adjustment Lever (Q) to disengage the seat (P). Slide the seat forwards or backwards into the required position. Let go of the lever (Q) again to lock the seat into its required position.

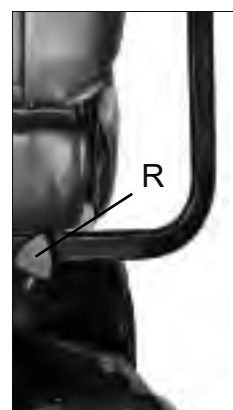
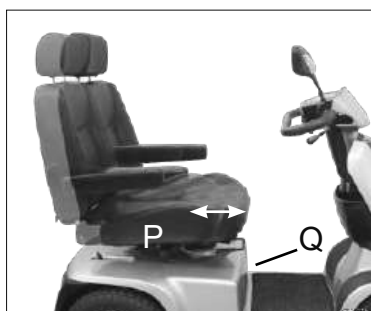
**CAUTION: Seat position should be set as far forward as is comfortable to prevent the scooter tipping over.**

**CAUTION: Once on the scooter, sit firmly on the seat, do not stand on the foot rest as this could cause the scooter to tip over causing damage.**

### **Angle Armrest Adjustment (R):**

Pull the lever (S) and adjust the armrest to the required angle.

**CAUTION: Pull the armrest up when getting on or off the scooter. Do not hang heavy items on the armrests as this could cause the scooter to tip over. Basket assembling and disassembling:**



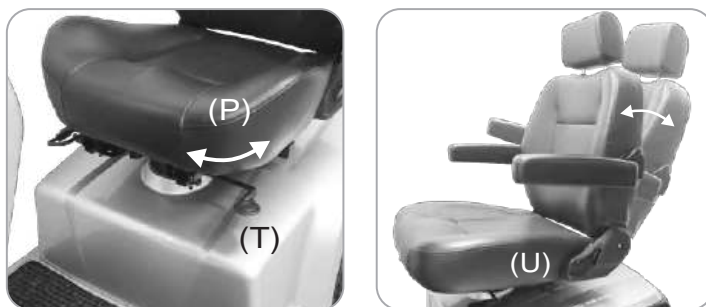


### Seat Swivel Adjustment:

Pull the lever (T) upwards to disengage and rotate seat (P) to required angle, Let go of the lever (T) to lock the seat into its required position.

### Seat Back Angle Adjustment:

Pull the lever (U) upwards to adjust backrest's angle, then release the lever when adjusted to required position, then release the lever when adjusted to required position.



**CAUTION:** For safety reasons the backrest's position must remain vertical before driving.

### Seat Height Adjustment:

1. Remove seat (P) and rear shroud (Z).
2. Remove screw, nut and washer from seat post (V).
3. Adjust seat post (V) to desired height, and attached tightly with screw, nut and washers.
4. Then assemble the rear shroud (Z), seat (P) back to its original position.  
(Height cannot be adjusted for the Kondor model)

### Seat Electrical Lifter (Optional):

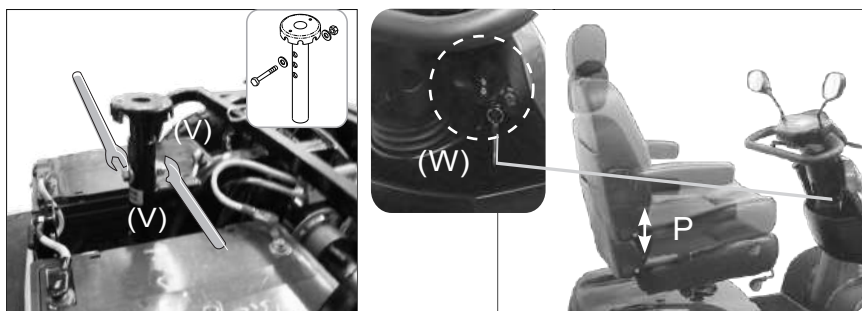
1. Press seat lifter button  lightly (W) to raise the seat. Press  lightly, to lower the seat.

### CAUTION:

- Do not operate this function on a slope, or in motion or under unstable condition.
- The main purpose of this function is to assist you to reach certain height.
- Seat's position must remain at the lowest before driving.
- Do not set N-D lever at N, before setting the seat at lowest position.
- Please keep the center of gravity of the scooter in the middle, to prevent the scooter tipping over.

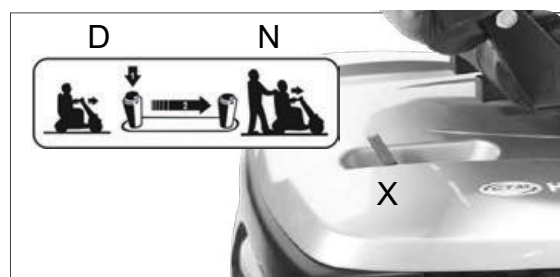
### N-D Lever Adjustment:

When scooter has stopped or is experiencing problems, press the unlocking knob on the N-D lever (X). Push the N-D lever forwards this will allow you to push the scooter by hand.



**CAUTION:** Freewheel operation is only recommended on flat surfaces, never on slopes. Never leave your scooter on a slope with its engine switched off. Always switch the engine on immediately after pushing the scooter.

**CAUTION:** The scooter won't operate if it is set at (N) position, to restore to it's normal status, you must switch the power off and adjust to (D) position, then switch the power on.



### **Proportion Speed Reduction:**

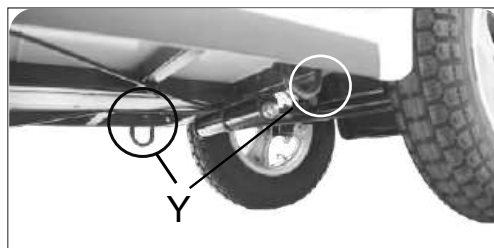
1. The scooter is equipped with proportional speed reduction. It will automatically reduce speed when encountering a corner, reducing speed corresponding to the angle of turn.
2. For safety reasons, when pushing the scooter by hand, if the pre-determined speed is exceeded, the controller automatically switches on and brakes the scooter.

**CAUTION: Avoid shifting your center of gravity as well as abrupt changes of direction when the scooter is in motion.**

**CAUTION: Reduce speed before negotiating corners! Only accelerate when you have finished turning the corner!**

### **Tie-Down Hook:**

To enable you to transport your scooter safely and securely there are 2 additional tie down hooks located on the underside of the scooter.



### **CAUTION:**

**When fixed on a transportation system, N-D lever (X) must located at D position. The scooter must not be occupied or used as a seat on a moving vehicle whilst being transported.**

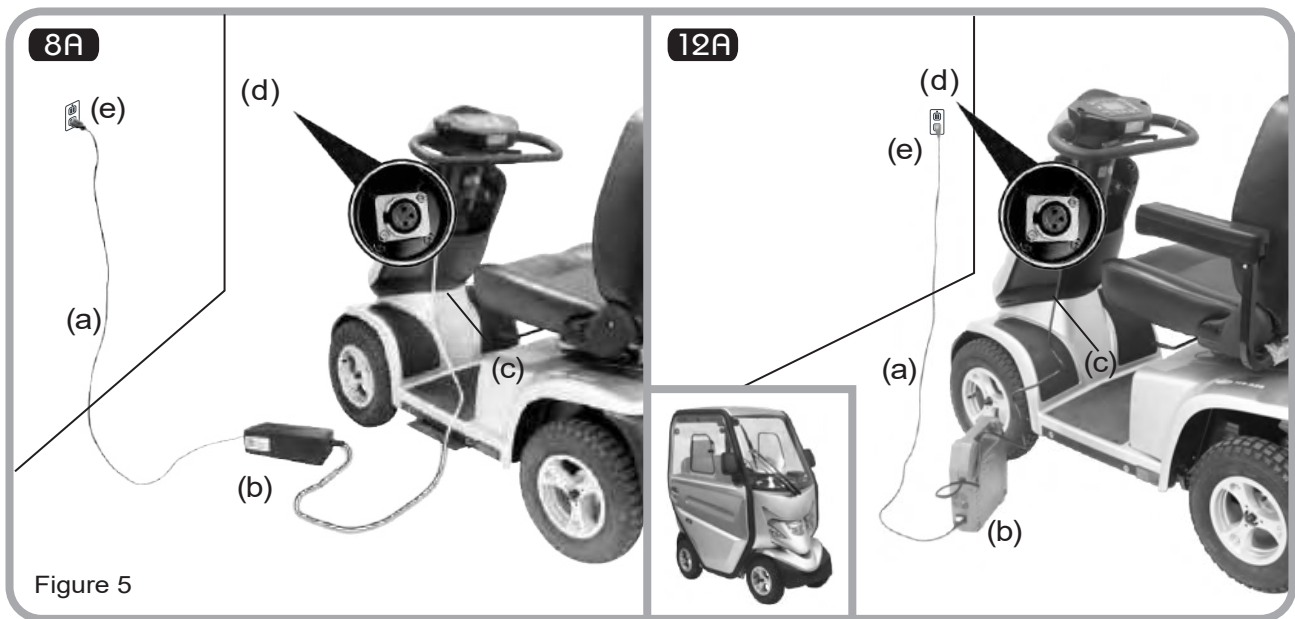
## Charging the Batteries:

Batteries must be charged before using the scooter for the first time and should be recharged after each days use

### CAUTION:

Each country may supply different charger. The charging procedure may be different from below. If you require more details, please contact your authorized dealer. Be sure the scooter key is in the OFF position before charging.

#### 8A/12A Charger for Ranger/Kondor :



#### Operating Instruction

1. Make sure the power cord (a), charger (b), charging cable (c) are in good condition.
2. Make sure the output voltage of charger is higher than the connecting battery / scooter.
3. Connect the connector of charging cable (c) to the charging socket (d).  
Plug In : Follow the index pin to plug in the connector.  
Unplug : Unplug the charging cable (c) from the socket.
4. Make sure the AC voltage is correct and plug in the power cord to power socket (e), the Charge LED light on the charger will turn on to red(8A), yellow (12A) when it is in charging.
5. The Charge LED light on the charger will turn on to green when the battery / scooter is fully-charged.

## LED Indication

12A

⊙Power on : On/off LED - Yellow light on

⊙Charge on :

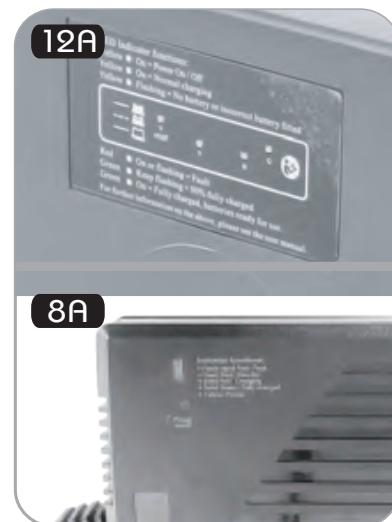
- Charge LED - Yellow light on = Normal charging
- Green light flashing = 80% fully charged.
- Green light on = Fully charged
- Yellow light flashing = No batteries or incorrect batteries fitted
- Red light on / flashing = Faulty

8A

⊙Power on : On/off LED - Yellow light on

⊙Charge on :

- Charge LED - Red light on = Charging
- Green light on = Fully charged
- Red flashed / Red flash-rapid = Standby / Fault



**The time needed to recharge will vary depending on the depletion of the batteries. (Approx. 8 hours). Do not continuous charging for over 15 hours.**

## Troubles Shooting

1.Charge LED light is off

Check to see if the connectors are well connected.

2.Power LED light is off

Check to see if the input power cord has been connected correctly.

3.If the Red light flash in charging, it means the charger cannot charge normally and enter into protection mode. Please unplug the power cord, and plug in again when the light is off.



**Maintenance & Repair must only be carried out by a Competent Engineer or Authorised Dealer or Agent.**

## Warning

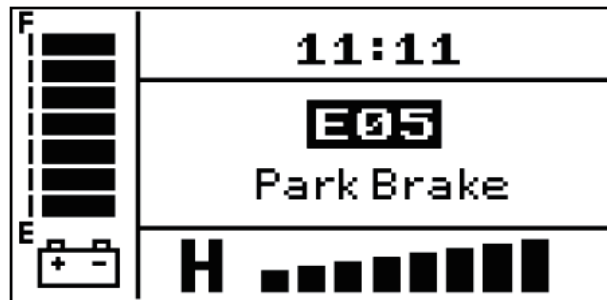
- Only be used for 12V lead-acid battery, and do not used for other type of battery or other voltage.

## Keep in mind these rules :

- Fully charge batteries at least once a month, or more if you use scooter regularly. Charge after each trip exceeding 3 kilometers.
- If storing your scooter for some time (1 month or more), make sure that batteries are fully charged, and on returning, charge them again before using scooter.
- Batteries will only give maximum performance after scooter has been used, and batteries have been recharged up to 10 times. A bit like breaking in a new car.

Please be aware that the travelling range of your mobility scooter is impacted by how fast the batteries are discharged. This will depend on many circumstances, such as ambient temperature, condition of the surface of the road, tyre pressure, weight of the driver, driving environment (inclines etc.) and utilisation of your lighting system if fitted. We recommend that you test your local ride with a family member to ensure a safe journey.

## Error Code



Error code	Description	Initial check points
E02	Low Battery Fault	The batteries have run out of charge. <ul style="list-style-type: none"> <li>• Recharge the batteries.</li> <li>• Check the battery and associated connections and wiring.</li> </ul>
E03	High Battery Fault	Battery voltage is too high. This may occur if overcharged and/or traveling down a long slope. <ul style="list-style-type: none"> <li>• If traveling down a slope, reduce your speed to minimize the amount of regenerative charging.</li> </ul>
E04	Current limit time-out or controller overheat	The motor has been exceeding its maximum current rating for too long. <ul style="list-style-type: none"> <li>• The scooter may have stalled. Turn the controller off, leave for a few minutes and turn back on again.</li> <li>• The motor may be faulty. Check the motor and associated connections and wiring.</li> </ul>
E05	Park Brake	Either a park brake release switch is active or the park brake is faulty. <ul style="list-style-type: none"> <li>• Check the park brake and associated connections and wiring.</li> <li>• Ensure any associated switches are in their correct positions.</li> </ul>
E06	Drive Inhibit	Either a stop function is active or charger inhibits or OONAPU condition has occurred. <ul style="list-style-type: none"> <li>• Release the stop condition (seat raised etc.)</li> <li>• Disconnect the battery charger.</li> <li>• Ensure the throttle is in Neutral when turning the controller on.</li> <li>• The throttle may require re-calibration.</li> </ul>
E07	Speed Pot	The throttle, speed limit pot. SRW or their associated wiring may be faulty. <ul style="list-style-type: none"> <li>• Check the throttle and speed pot and associated connections and wiring.</li> </ul>
E08	Motor Voltage	The motor or its associated wiring is faulty. <ul style="list-style-type: none"> <li>• Check the motor and associated connections and wiring.</li> </ul>
E09	Other Error	The controller may have an internal fault. <ul style="list-style-type: none"> <li>• Check all connections and wiring.</li> </ul>

### Further issues:

If the above troubleshooting does not help to resolve the issue please contact the authorised dealer (page 3). Please have your serial no. to hand to provide to the authorised dealer, which can be found on the seat post.



### Troubleshooting:

#### 1. If green indicator is off:

- Check AC input. If it works normally, the battery charger may be defective.

#### 2. If green indicator keeps flashing, and won't give charging indication:

- Check if the battery is connected correctly.
- Check if the output connection is short or open.
- If the battery connection is correct, the battery charger may be defective.

#### 3. If red indicator keeps flashing:

- Check if the battery connection is reversed.
- Check if the output connection is short or open.
- Check if the environment temperature is too low (0°C).
- If the red indicator still keeps flashing, the battery charger may be defective.

#### 4. Charging indicator (orange) can't turn to green:

- The battery may be defective please stop charging and have the battery replaced.

#### 5. If the charging indicator (orange) turns green (fully charged) immediately:

- The battery may be in fully charged condition.
- If the battery is not fully charged, the battery may be defective.

**CAUTION:** The time required to recharge will vary depending on the depletion of the batteries (75ah Battery Approx. 12 hours). Do not charge the batteries for more than 24 hours as this can cause damage to the batteries.

### CAUTION:

1. Before using the battery charger, read all instructions and cautionary markings.
2. Use the battery charger in a well-ventilated area.
3. To avoid the risk of injury, charge only lead-acid or gel cell type rechargeable batteries.
4. Please turn off the power after charging.

### Disassembling your Scooter

#### Seat (P) Disassembling:

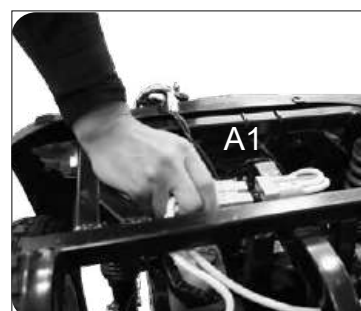
Pull the lever (T) upwards to disengage the seat (P), hold the seat (P) firmly by the backrest and front edge and remove it upwards from the scooter.



**CAUTION:** If the seat is difficult to remove, hold seat swivel lever (R), and then rotate the seat to reduce resistance then pull up. Proceed with caution, if you need assistance, please have someone to help you.

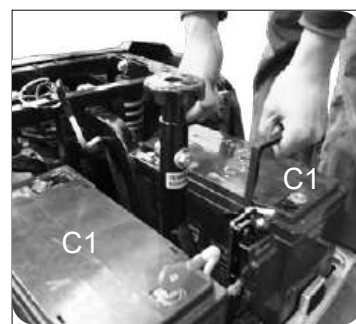
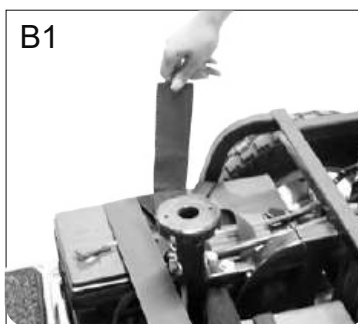
#### Rear Shroud (Z) and Batteries (C1) Disassembling:

1. Remove rear shroud (Z) upwards.
2. Unplug one battery connector (A1).
3. Release Velcro (B1).
4. Remove two batteries (C1).





**CAUTION:** Take into account the heavy weight of the batteries (C1) please consider your physical condition before disassembling. **DO NOT** short-circuit battery connector (C1). The red wire on the battery connects to the red positive location, and the black wire to the black negative location. For safety, please wash your hands after disassembly.



### Resetting the Circuit Breaker:

You may need to reset the circuit breaker if the scooter does not turn on. The circuit breaker will trip if the scooter's circuit is overloaded.

1. To reset, press the circuit breaker button (D1) upwards.
2. Reassemble the rear shroud (Z).
3. Reassemble the seat.

**CAUTION:** If the circuit breaker trips repeatedly, **IMMEDIATELY** unplug charger and contact dealer or a qualified technician.

**CAUTION:** **NEVER** defeat or bypass the circuit breaker. **ONLY** replace with a circuit breaker of the same rating.



### Obstacle climbing:

- Your scooter can climb obstacles and curbs of up to 60mm (Ranger) and 100mm (Kondor) in height. Never attempt to overcome an obstacle when on an uphill or downhill gradient.
- Always approach obstacles straight on! Ensure that the front wheels and rear wheels move over the obstacle in one stroke, do not stop halfway.
- The maximum gap the scooter can drive over is 220mm / 8.6".
- When driving scooter on a ramp, adjust body centre of gravity accordingly.

### Other information:

- In the unlikely event of panel display error, you will need to re-set the display system by turning the on/off main switch. The display circuit is separate from the motor control system. A display console error does not effect the scooter speed control.
- Charge the batteries after each trip. If the scooter is not used for some time, batteries may lose their charge. Batteries should be charged at least once a month.
- Check the battery gauge before driving to prevent power depletion.
- Do not disassemble the battery or open sealed parts by yourself to prevent electric shock and burns from acid leakage.
- Adjust speed to a slow setting when starting off to prevent sudden acceleration.
- Never attempt to drive downhill backwards.
- Try not to drive scooter at night or in rain or bad weather.
- If storing your scooter for a long time (1 month or more), make sure that batteries are fully charged, then disconnect the plugs, and store the scooter in a dry location.

## Function Buttons and Indicators:

### Main Key Switch :

- Turn the key to the right - Turn scooter on.
- Turn the key to the left - Turn scooter off.
- Turn on the scooter, control panel will be in standby mode.



- Always ensure that the scooter is switched off before getting on or off the scooter and before removing any items of the scooter.
- Turning the scooter OFF whilst driving will bring the scooter to an abrupt stop and danger.

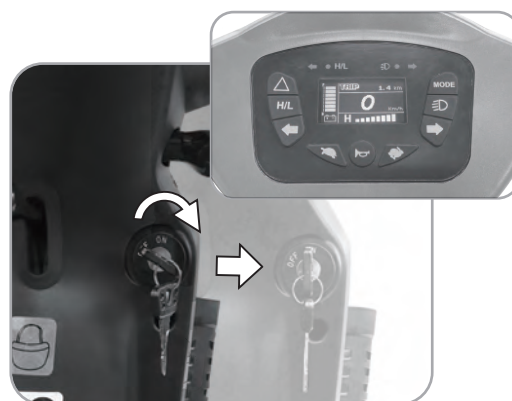


Figure 6

### Sleep Mode :

- Scooter will go into Sleep Mode with one long beep warning sound if no throttle activity is detected for programmable time period. (Default programmable time is 30 mins.)
- When scooter is in Sleep Mode, the LCD display will be off automatically and the scooter will not respond to commands.
- To wake up the scooter, turn the power (key) off and then on again.

## OPERATION & SET UP

- When starting the scooter, the LCD control panel will be in display main page.

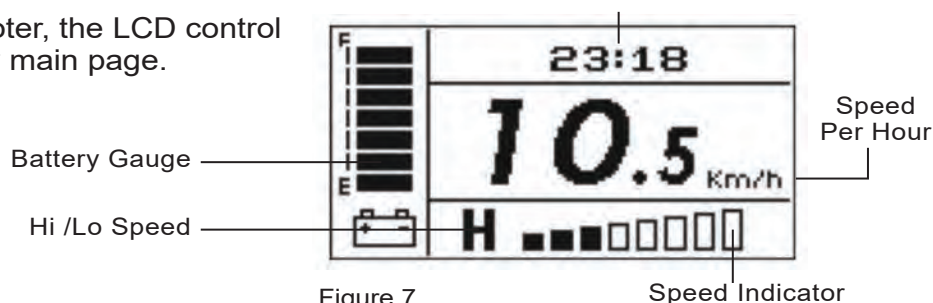


Figure 7

### Speed :

- [H/L] switch : Press H/L Speed button once, the High/Low Speed Indicator will light on, means driving in high speed mode; Press again, the indicator will extinguish, means driving in low speed mode. (Hi/Lo speed will vary which depends on your current speed settings)
- [ ] [ ] Press acceleration / deceleration button to increase / decrease speed. There are 8 different speeds of adjustment.

Speed Display	H Max %	L Max %
■ □ □ □ □ □ □ □	25	15
■ ■ □ □ □ □ □ □	35	21
■ ■ ■ □ □ □ □ □	45	27
■ ■ ■ ■ □ □ □ □	55	34

Speed Display	H Max %	L Max %
■ ■ ■ ■ ■ □ □ □	65	42
■ ■ ■ ■ ■ ■ □ □	75	50
■ ■ ■ ■ ■ ■ ■ □	88	55
■ ■ ■ ■ ■ ■ ■ ■	100	60

Figure 8

### H / L Switch :

- The max speed can be 100% (Max) if [H/L] is set to "H"
- The Low Speed LED indicator will be on if [H/L] is set to "L", the max speed in low speed mode can be up to 60% of max speed of scooter.
- Press [H] / [L] to reduce /increase max speed.

### Turning light and Parking Light :

- To activate the hazard lights (left and right turning lights blink simultaneously), press the 【Hazard light】 key. Pressing this key again will turn off the light.
- To activate the left turn light, press the 【Left Turn】 key. Pressing this key again will turn off the light.
- To activate the right turn light, press the 【Right Turn】 key. Pressing this key again will turn off the light.
- When any of the buttons are pressed, a synchronized beep with the flashing lights will be produced. (Please refer to p.19 part:setting user define if adjustment of buzzer volume is needed).
- The turning light will automatically turn off after 30 seconds (not for parking light).
- For any turning light or park light faults, the panel indicator flashing and buzzer alarm frequency will increase and stop in 30 seconds. Please contact your authorized dealer for assistance.

### Battery Gauge :

- When the vehicle is in operation, the battery level will only decrease.

Status Display							
	Capacity (%) >80	<80	<65	<50	<35	<25	<20

Figure 9

### Low Battery Warning :

- Warning Condition: The low battery warning will be activated once the battery level is less 25% of max capacity.
- Warning Sound: Be- Be-Be
- Warning Display : Flashing bar symbol.

### Battery Charging Status Indication :

- After 10 seconds without pressing any key, LCD back light will be automatically off. Press any key to turn on the back light.
- Please refer to the indicators on battery charger for more accurate charging status .

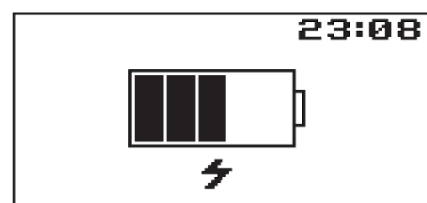


Figure 10

- The charging status will be displayed on LCD screen while charging. (The scooter can not be operated while it is in harging.)
- Recharge the scooter immediately when the battery level drops to 20% as the remaining power can only keep scooter going for buffering 3km or less.

## [MODE] SELECTION

- Press [MODE] to change display mode: TIME, TEMP, ODO, and TRIP.

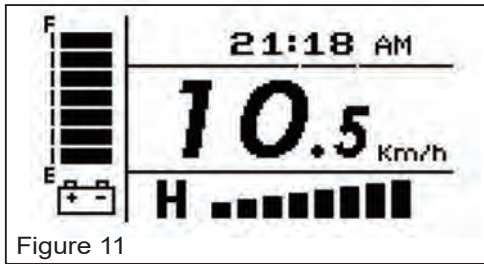


Figure 11

[TIME]

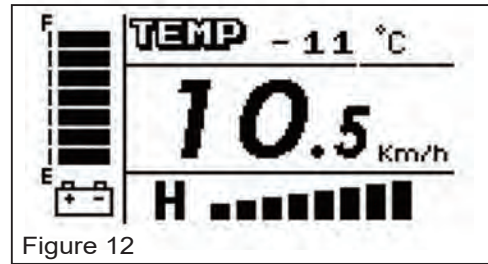


Figure 12

[TEMP]

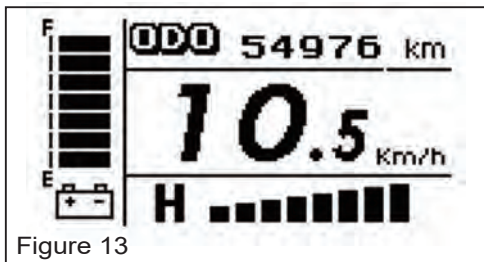


Figure 13

[ODO]

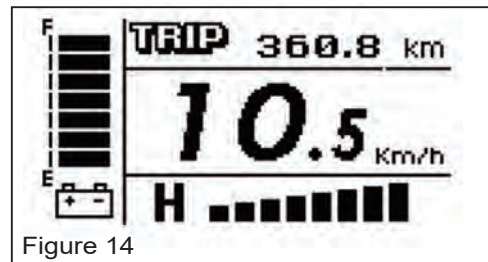


Figure 14

[TRIP]

### Exit / Save :

- Setup mode will automatically quit after 15secs without pressing [left turn] and [right turn], and scooter will save the setting and return to operation mode.
- User can also press any buttons, except [🔙] [🔘] [left turn] [right turn] to save the setting automatically and return to operation mode.

### [TIME] Time mode (Figure 11) :

- Hold both buttons [🔙] [🔘] together for 2 secs to set up the time.
- Press [left turn] to increase digits/ Press [right turn] to decrease digits.
- 12hr-mode : 12:00AM~11:59PM / 24hr-mode : 00:00~23:59. Tolerance : +/- 2 seconds/day.

### [TEMP] Temperature mode (Figure 12) :

- Press [🔙] : Centigrade. Range -20°C~50°C.
- Press [🔘] : Fahrenheit. Range -4°F~122°F.



### [ODO] Odometer mode (Figure 13) :

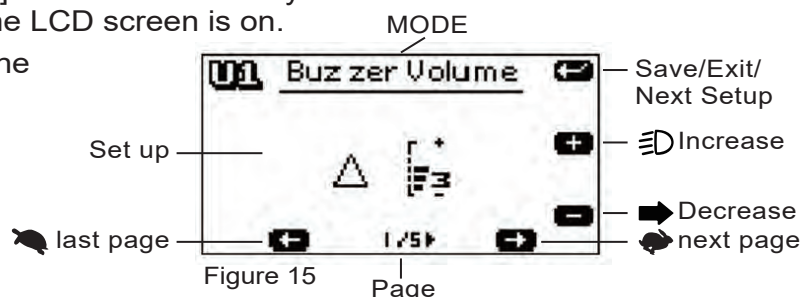
- Range : 0~99999.
- The odometer will be reset automatically to zero after the total distance reaching 99999km (62149 mile).
- The odometer (hrs) will stop counting after reaching 99999hrs.

### [TRIP] Trip mode (Figure 14) :

- Hold [🔙] [🔘] together for 2 secs to reset TRIP meter.
- Range : 0.0~999.9hrs. The trip meter will stop counting when reaching 999.9hrs.

## SETTING- USER DEFINE

1. Make sure the scooter (key) is off.
2. Press and hold both [  ] [  ] then turn on the key.  
Keep holding the buttons until the LCD screen is on.
3. Press [MODE] button to select the modes you want to set up.



### Exit /Save the setting :

- Setup mode will automatically quit after 15secs without pressing any button. Scooter will save the setting and return to operation mode.

### Buzzer Volume setup (Figure 16) :

- Low battery warning sound is controlled by the controller.

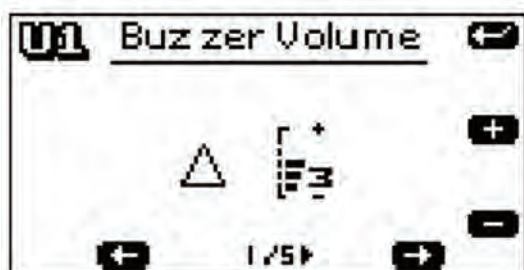







Figure 16

Item	Description	Initial value
1/5	 Hazard Warning volume	3
2/5	 Indicator warning volume	3
3/5	 Reverse warning volume	3
4/5	 Low battery warning volume	off
5/5	 Horn volume	5

### Unit setup (Figure 17) :



Figure 17

Item	Description	Initial value
1/4	Clock 24 , 12	24
2/4	Speed km/h , mph	km/h
3/4	Odo km , hrs	km
4/4	Temp °C , °F	°C

### LCD panel backlight (Figure 18) :



Figure 18

## Function Buttons and Indicators:

Here are some suggestions about solving problems you may have with your scooter. There is a self-diagnostic warning light on the control panel. To check the self-diagnostic warning light, turn on the key and count the number of blinks on the warning light.

### SCOOTER WON'T MOVE WHEN KEY IN TURNED ON

Check point	Solution
Check if the power is off	Turn the power on.
Check if the N-D lever is in Neutral position	Switch to D (drive) position. Turn off the power and turn on again.
Check if the battery power is enough. (Battery gauge is under 25%)	Recharge the battery and then retest.
Check if the charger power cord is still plugged in scooter	Unplug the charger power cord.

### MAINTENANCE REMINDER

- User can set the system to track distance intervals for maintenance.
- The maintenance warning light on the LCD screen will be flashing when the maintenance is due at set distance. The flashing light will be off automatically after a minute.



※The scooter/control panel can still be operating when the maintenance warning light is flashing.

※Please contact the authorized dealer for routine maintenance when the maintenance warning light is flashing.

### Setting :

- Please reset for next maintenance distance when the maintenance is performed.
1. Turn the power (key) off
  2. Press [MODE] button and [◀] button at the same time.
  3. Hold the two buttons and then turn the power to get in Maintenance mode setting.
  4. Press [↵] to increase digits (+ 500km/per press) or [▶] to decrease digits (-500km/per press).
  5. Press and hold [⏻] for 2 seconds to erase the setting.
  6. Press 「MODE」 to save and exit setup mode when finished.



Figure 19

- The maintenance warning light will flash for a second every time when the scooter turns on if the Set Distance reaches Count Distance.
- Setup mode will automatically off after 15 secs without pressing any button. Scooter will save the setting and return to operation mode.



## Kondor Cabin Variation

Before you take your first trip, you should familiarize yourself well with the operation of the scooter and with all operating elements. Take your time to test all functions and driving modes.

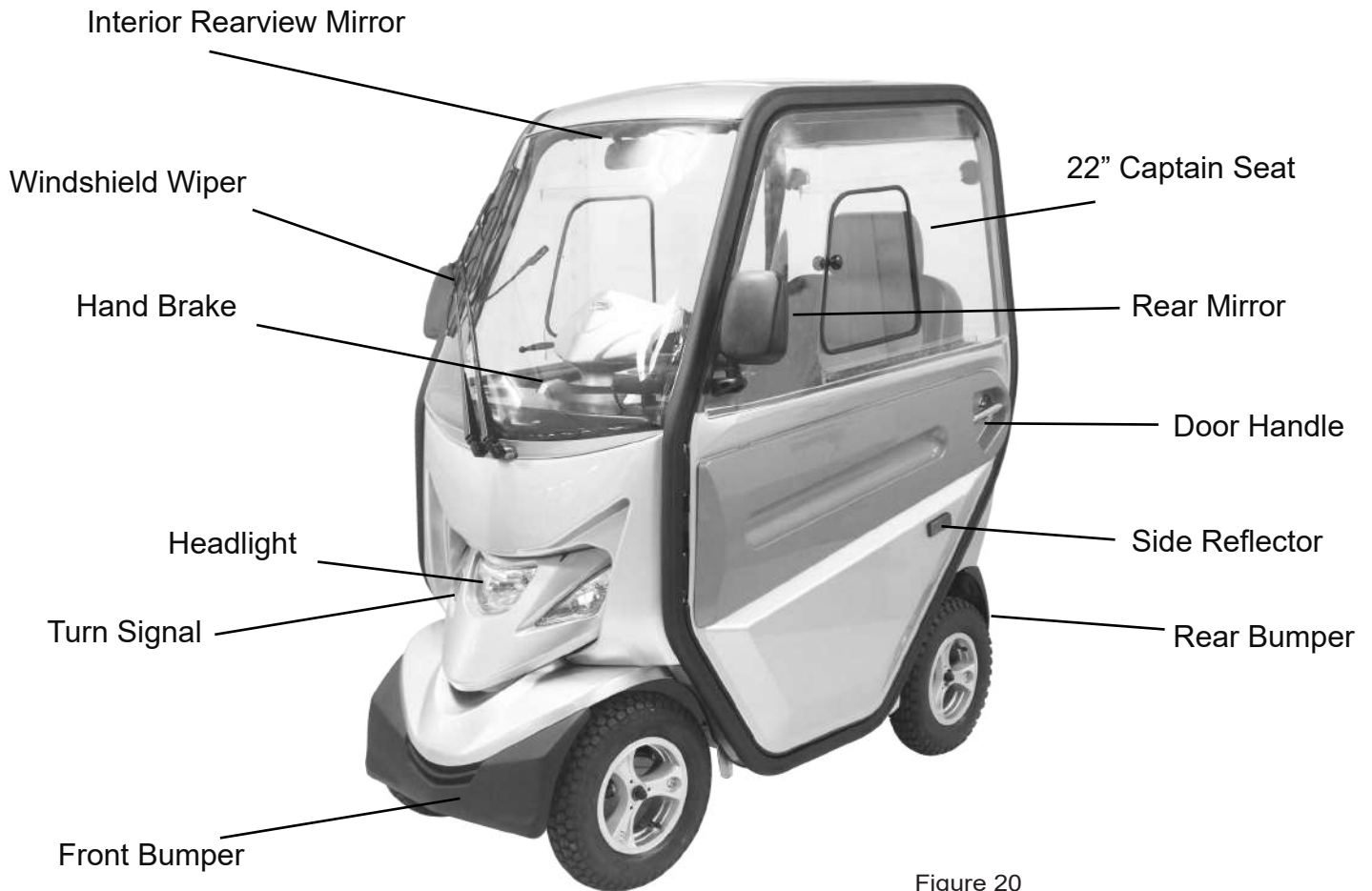


Figure 20

## Cabin Door

1. Turn the handle upwards (clockwise) to lock the door.
2. Turn the handle downwards (anticlockwise) to unlock the door.
3. Watch your head when getting into the scooter.

\*Ensure your hands are away from any moving parts before activating or closing the door.

## Cabin Side Window

1. Slide the window forwards to close it, backwards to open it.
2. Do not leave the windows open when the scooter is not in use.

\*Rubber strips may be loose or offside after a period of usage, you may need to adjust or replace the parts if the strip is not firmly sealed. Please contact the dealer for assistance.

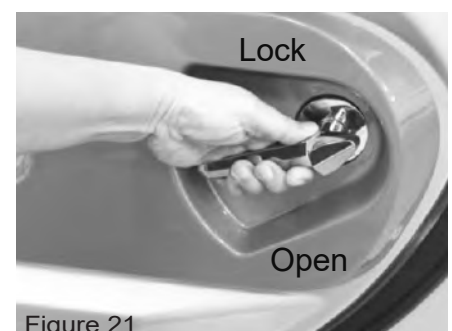


Figure 21

### Interior Rear View Mirror / with Reversing Camera (Optional)

The mirror allows the driver observe the rearview and eliminate rearview blind spot. You can also upgrade your rear view mirror with reversing camera (please contact your dealer). This camera is designed to be waterproof, crash-proof and avoid sun damage. For safety only use the camera when reversing and not whilst driving.

### Control Dashboard

#### Windscreen Washer Button (1)

By pushing the red button, to spray washer fluid on the windscreen.

#### Windscreen Wiper Knob (2)

By turning the knob towards chosen direction, to control the speed of the wiper. Turn the knob towards left for lower / towards right for higher speed of wiper. Turn the white dot to the middle position to stop the wiper.

※Do not run the wiper on a dry windscreen or it may cause the scratches and put unnecessary strain on the motor and cause motor to overheat.

※Please make sure to sweep off the objects on the windscreen by turning on the washer first before you turn on the wiper.

#### Windscreen Washer Fluid Reservoir (4)

The capacity of fluid reservoir is approx. 1200ml Please do not overfill the reservoir.



Figure 22

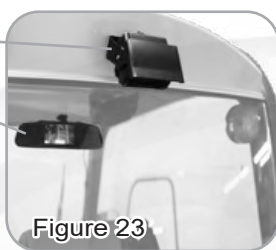


Figure 23



Figure 24

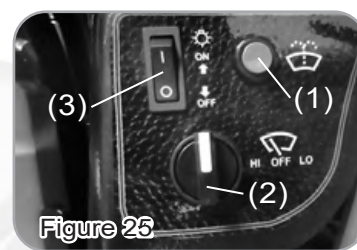


Figure 25

※When the scooter is turned off, the power of optional accessories will be shut down automatically in 5 minutes later if they are still in ON mode.

#### LED Reading Light Switch (3) (Optional)

Push upwards (ON) to turn on the reading light. Push downwards (OFF) to turn off the reading light.

#### LED Reading Light Socket (5) (Optional)

The socket is for LED reading light use ONLY, current output is DC24/2A.

※Always make sure there is no water or foreign objects in the charge socket. Always keep the cap closed on the charge socket when it is not in use.

※Never plug any charging devices which is over current or other than those supplied from the factory to the socket. Please make sure the LED light is off when it is not in use.

#### Electric Heater (6) (Optional)

With heating air (for defrost or demist). Turn the fan to the wind screen when demisting. Push the switch to turn on/off the heater. The direction of the vent can be adjusted to the preferable position.

※Please make sure to turn the power of heater off when it is not in use.

※Do not use heater for the entire journey as it may reduce travel range due to power consumption. Please reference to product specification for details.

※Please do not put your hands near the vent after extended periods of time for heating air.

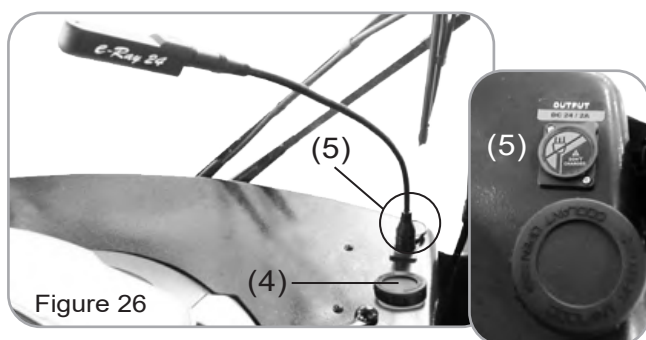


Figure 26

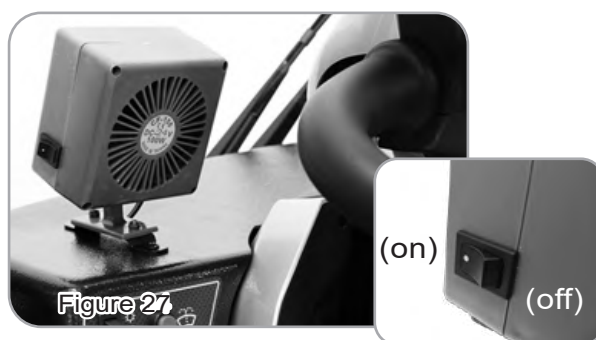


Figure 27

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**CAUTION: It is very important that you read this information regarding the possible effects of electromagnetic interference on your motorised scooter.**

Powered wheelchairs and motorised 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 mobile phones. The interference (from radio wave sources) can cause the motorised scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the motorised scooter control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each motorised scooter can resist EMI up to certain intensity. This is called its "immunity 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 immunity level of this motorised scooter model is 20 V/m.

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 warnings listed below, your risk to EMI will be minimised.

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

- Hand-held portable transceivers (transmitters-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, "walkie talkies," security, fire, and police transceivers, mobile telephones, and other personal communication devices;

**CAUTION: Some mobile telephones and similar devices transmit signals while they are ON, even when not being used.**

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

**CAUTION: Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems to your motorised scooter.**

### **Motorised scooter electromagnetic interference:**

Because EM energy rapidly becomes more intense as one move closer to the 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 motorised scooter control system while using these devices. This can affect motorised scooter movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the motorised scooter.

### **Warnings:**

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

- Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as mobile phones, while the motorised scooter is turned ON;
- Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;
- If unintended movement or brake release occurs, turn the motorised scooter OFF as soon as it is safe;
- Be aware that adding accessories or components, or modifying the motorised scooter, may make it more susceptible to EMI; and

**CAUTION: There is no easy way to evaluate their effect on the overall immunity of the motorized scooter.**

- Report all incidents of unintended movement or brake release to the distributor listed on the inside front cover of this manual. Note whether there is a source of EMI nearby.

### **Important information:**

- 20 volts per meter (V/m) is a generally achievable and useful immunity level against EMI (as of May 1994). The higher the level, the greater the protection.
- The immunity level of this product is 20 V/m.

Specification	
Overall length	1600mm/63"
Overall width	720mm/28.3" (Ranger) 800mm/31.5"(Kondor)
Overall height	1280mm / 50" (Ranger) 1620mm/63.8" (Kondor)
Front wheels	380mm / 15"
Rear wheels	380mm / 15"
Weight w/batteries	157kg/346lbs (Ranger) 229kg/505lbs (Kondor)
Suspension	Front & Rear
Max. speed	12.8kmph/8mph (Ranger)10kmph/6.2mph (Kondor)
Weight capacity	181kg/400lbs (Ranger) 200kg/441lbs (Kondor)
Ground clearance	110mm/4.3" (Ranger) 110mm/4.3" (Kondor)
Grade climbable	9 degrees (Ranger) 10 degrees (Kondor)
Curb climbable	60mm/2.4" (Ranger) 100mm/3.0" (Kondor)
Turning radius	1860mm / 73.2"
Brake	Hand Brake & Electro-mechanical
Seat type	Swivel Captain Seat With Seat Sliding Mechanism & Back Angle Adjustment
Seat width	559mm / 22"
Motor size	800W, 3650rpm (Ranger) 1000W, 3200rpm (Kondor)
Battery size	2 x 12V. 75Ah (Ranger) 2 x 12V. 100Ah
Battery weight	68.5kg / 151lbs
Travel range	50km/31miles (Ranger) 44km/27miles (Kondor)
Battery charger	8A Off Board (Ranger) 12A Off board (Kondor)
Electronics	On / Off Key Switch, Battery Level Indicator, Speed Control Button

\* Information is subject to change without notice. (Issue H 06/03/2024)

There is a comprehensive twelve-month warranty from the date on which your new scooter is delivered. The warranty covers the scooter for repairs or replacement during this period. For more details, please see the warranty conditions below.

### **Warranty conditions:**

- Any work or replacement part installation must be carried out by an authorised service agent.
- To apply to warranty should your scooter require repair, please contact the authorised dealer.
- Should any part of the scooter require repair or full or part replacement, as a result of a manufacturing or material defect within warranty period, the work will be carried out free of charge. Warranty period:
  1. Frame: 2 year limited warranty.
  2. Electronic parts: 12 months limited warranty.
  3. Batteries: 6 month limited warranty.
- Any repaired or replaced parts will be covered by this warranty for the balance of the warranty period on the scooter.
- Parts replaced after the original warranty has expired will be covered by a three months warranty.
- Consumable items supplied will not generally be covered during the normal warranty period unless such items require repair or replacement clearly as a direct result of a manufacturing or material defect.  
Such items include (among others): upholstery, tyres and batteries.
- The above warranty conditions apply to brand new scooters purchased at the full retail price. If you are unsure whether your scooter is covered, check with the authorised dealer.
- Under normal circumstances, no responsibility will be accepted where the scooter has failed as a direct result of:
  1. The scooter part not having been maintained in accordance with the manufacturer's recommendations.
  2. Failure to use the manufacturer's specified parts.
  3. The scooter or part having been damaged due to neglect, accident or improper use.
  4. The scooter or part having been altered from the manufacturer's specifications or repairs having been attempted before the service agent is notified.

**Please note your authorised dealer contact details on page 2. In the event of your scooter requiring attention, contact them and give all relevant details so they can act quickly.**

**The manufacturer reserves the right to alter, without notice, any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.**





