

# **karma**

A Better Wheelchair, A Better Fit

## *Manual Wheelchair Owner's Manual*

### KM-AT60 Series



CE



## GENERAL WARNING

- DO maintain your chair well, in particular check the tyre (tire) pressure since this affects the efficiency of the brakes.
- DO make sure both brakes are applied before getting in or out of the chair.
- DO make sure both brakes are applied when the chair is not being pushed or used.
- DO take care when climbing kerb or turning on slopes.
- DO avoid steep or uneven surfaces that may cause the chair to tip over.
- DO avoid soft surfaces because the castors (casters) may become bogged down.
- DO travel smoothly in all conditions.
- DO look well ahead to anticipate hazards such as furniture, doors, potholes, slopes, kerbs (curbs), doorways etc.
- DO make sure that both feet are safely on the footrests and that clothing is safely tucked out of the way so that it cannot get caught in the wheels.
- DO take care when travelling up or down or across inclines.
- DO keep both hands on the push handles to control the chair, if you are the attendant.
- DO pay attention to keep the chair's balance.
- DO check the frame and components regularly and refer to this user guide during and after the warranty period.
- DO, when upholstery is loose, replace it with a new part.
- DO equip with anti-tippers to avoid falling backwards.
- DO equip with a seat belt designed for disabled people.
- DO equip with "heel loops" for disabled people.
- DON'T overload the chair under any circumstances.
- DON'T hang anything heavy on the back of the chair that could cause the chair to become unstable, particularly when negotiating inclines.
- DON'T allow more than one user at a time.
- DON'T use with an unconscious patient.
- DON'T use other transport to pull the wheelchair.
- DON'T do "wheelies", since you may fall or tip over backwards and suffer a severe injury.
- DON'T go too fast or turn too quickly.
- DON'T travel across a slope greater than 7 degrees.
- DON'T stand on the footplates when getting in or out of the chair.
- DON'T go down steps forward.
- DON'T attempt to lift the wheelchair by any removable (detachable) parts. Lifting by means of any removable (detachable) parts of the wheelchair may result in injury to the user and/or attendant or damage to the wheelchair.
- DON'T use the wheelchair when back joint folded. This alters the centre of gravity and may cause the wheelchair to tip backwards. It should only be folded for storage or transport of the wheelchair.
- DON'T hang anything on the back joint that could cause the backrest to fold suddenly and may cause injury.

## **YOU AND YOUR KARMA SERVICE PROVIDER**

- No tools are required for assembly. Your wheelchair should be set up by your authorized Karma dealer. Your authorized Karma dealer is also your service provider. Unauthorized repairs, upgrades and add-ons will negate your warranty and may lead to injury. Any adjustments to the rear wheel position should be carried out by your authorized Karma service provider. Your Karma service provider has the necessary service/maintenance manual for your wheelchair.
- If you have any defective parts or lose any parts, please contact your dealer for repair and/or replacement. Please only use parts authorized by Karma. Use of parts that are not authorized by Karma will negate your warranty.
- Customers should order parts through their dealer as well as all repairs and scheduled maintenance.
- Customers should go to their dealership for all service needs to guarantee their warranty is not nullified. Always go to an authorized service provider. Unauthorized repairs will nullify your warranty. Procedures other than those described in this manual must be performed by a qualified technician. They also have the service manual with a complete list of maintenance required to keep your Karma wheelchair in good working order. Check the warranty section of this manual to find out what Karma guarantees and what maintenance and parts you will have to pay for.
- Karma does not have an official list of service providers at this time. Please contact your dealer for service. If you cannot contact your dealer, please contact another authorized Karma dealer for service. If this is not possible please contact us and we will arrange for a service repair. Please note that there will be a charge for collection and delivery of your wheelchair.

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## 1. PREFACE

Please carefully read this owner's (manual) before using the wheelchair. Improper use of the wheelchair could result in harm or injury. Therefore, for safe and enjoyable use of the wheelchair, please read this owner's (manual).

- This owner's (manual) includes operation instructions for the aspects of the wheelchair, unfolding/folding instructions and instructions on how to deal with possible accidents.
- This owner's (manual) is written for Karma wheelchair: KM-AT60.
- The symbols used in this manual are explained below. Pay special attention to the parts marked with these symbols.

	<b>WARNING:</b>	Improper use could lead to serious injury or death.
	<b>CAUTION:</b>	Improper use could lead to serious injury and/or damage to your wheelchair.
	<b>SUGGESTION:</b>	Follow these instructions to keep the wheelchair in good condition.

- This manual includes a repair and maintenance chart as well as details of your warranty.
- If someone else uses the wheelchair, make sure that you give them this owner's (manual) for his or her reference.
- As designs change, some illustrations and pictures in this manual may not correspond to the wheelchair that you purchased. We reserve the right to make design modifications without further notice. This manual will be updated regularly please refer to the Karma website for the latest version.

## CE MARKING

This wheelchair complies with the requirements of the Medical Devices Directive 93/42/EEC.

	<b>CAUTION:</b> Before purchasing and using a Karma wheelchair, please consult a qualified professional to ensure that you choose a suitable product and receive training in how to use it. It may also be necessary to fit additional equipment to your wheelchair or change your wheelchairs set up. Please consult your service provider.
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## 2. SAFETY

### 2.1 Doorways

The safest way to operate the chair is on level floors that are free of obstacles. Whenever possible use a ramp to enter or exit a facility. Keeping your hands on the push rims will allow you to maintain maximum balance. Do not try to force yourself over an obstruction by propulsion and never use the sides of a doorway to pull yourself through a passageway.

### 2.2 Leaning

Do not lean over the side of your wheelchair since such an action may cause your to lose balance and fall.(See Figure 2.3)

### 2.3 Navigating Inclines

- Never turn on a hill due to the danger of tipping.
- When pushing a wheelchair, go straight up a slope. If you need to go down, walk backwards until user is on level ground.(See Figures 2.4 and 2.5)
- Avoid stopping on an incline; it can potentially cause you to lose control of the chair.
- Do not use the parking (brakes) to slow down or stop the wheelchair; this could cause it to seize up or pull to on side, causing you to lose control of the wheelchair.
- Whenever possible, navigate inclines with an attendant.
- Operating limits: do not attempt to go or down slopes greater than 5 degree without assistance.

### 2.4 Kerbs(Curbs)

- Whenever possible get help from an assistant/attendant (if you have assistance make sure that your chair is equipped with push handles).
- Avoid hard impacts when descending a kerb. A hard impact could adversely affect the chair.
- Never try to scale or descend kerb that exceed a normal height (30-50mm).
- Always be careful when climbing kerb and never move up or down a curb in reverse without an assistant.

### 2.5 Stairs

- Always use two or more assistants. Tilt the wheelchair to its point of equilibrium. One assistant (at the back) holds the wheelchair up against the first step, gripping the handles firmly to lift. The second assistant, holding firmly a fixed part of the front frame, lifts the wheelchair above the stairs and holds it while the first attendant places one foot on the following step and repeat the operation (See below Figure2.1)
- Never go down steps forwards.
- Never use an escalator for transport, use an elevator.



Figure2.1

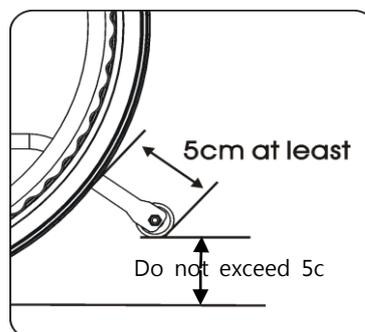


Figure2.2

## 2.6 Streets

- Always use extreme caution when crossing streets. Reflective tape on the chair and/or your clothing will make you more visible to drivers.
- Avoid potholes and rough terrain that might cause the castors (casters) to become stuck. (See Figure 2.6)

## 2.7 General

- Always make sure BOTH brakes are applied before getting in or out of the chair.
- Never stand on the footplates when getting in or out of the chair.
- Never carry more than one passenger. Karma wheelchairs are designed for one user.
- Please make sure your clothing does not get caught in the rear wheels.

## 2.8 Upholstery

- When cleaning the upholstery, use warm water and a mild soap.
- Upholstery cleaner/foam can also be used, but avoid other cleaning solvents.

## 2.9 Anti-tippers

Please purchase anti-tippers and always use them to avoid personal injury. The distance between the rear wheel and the anti-tip wheel should be not less than 5cm. The anti-tip should not be more than 5cm above the ground. (See Figure 2.2)

## 2.10 Avoid General Misuse:

- Please note any vehicle can cause injury if used incorrectly. This user guide contains a number of cautions. Please follow these guidelines to increase your safety. Please be aware that careless use endangers your own safety as well as that of others. ALWAYS follow the Highway Code when outdoors and the guidelines written in this manual. Your wheelchair will give years of safe use if used sensibly and carefully.
- Do not let children stand or play on the wheelchair. (See Figure 2.7)



Figure 2.3



Figure 2.4



Figure 2.5



Figure 2.6



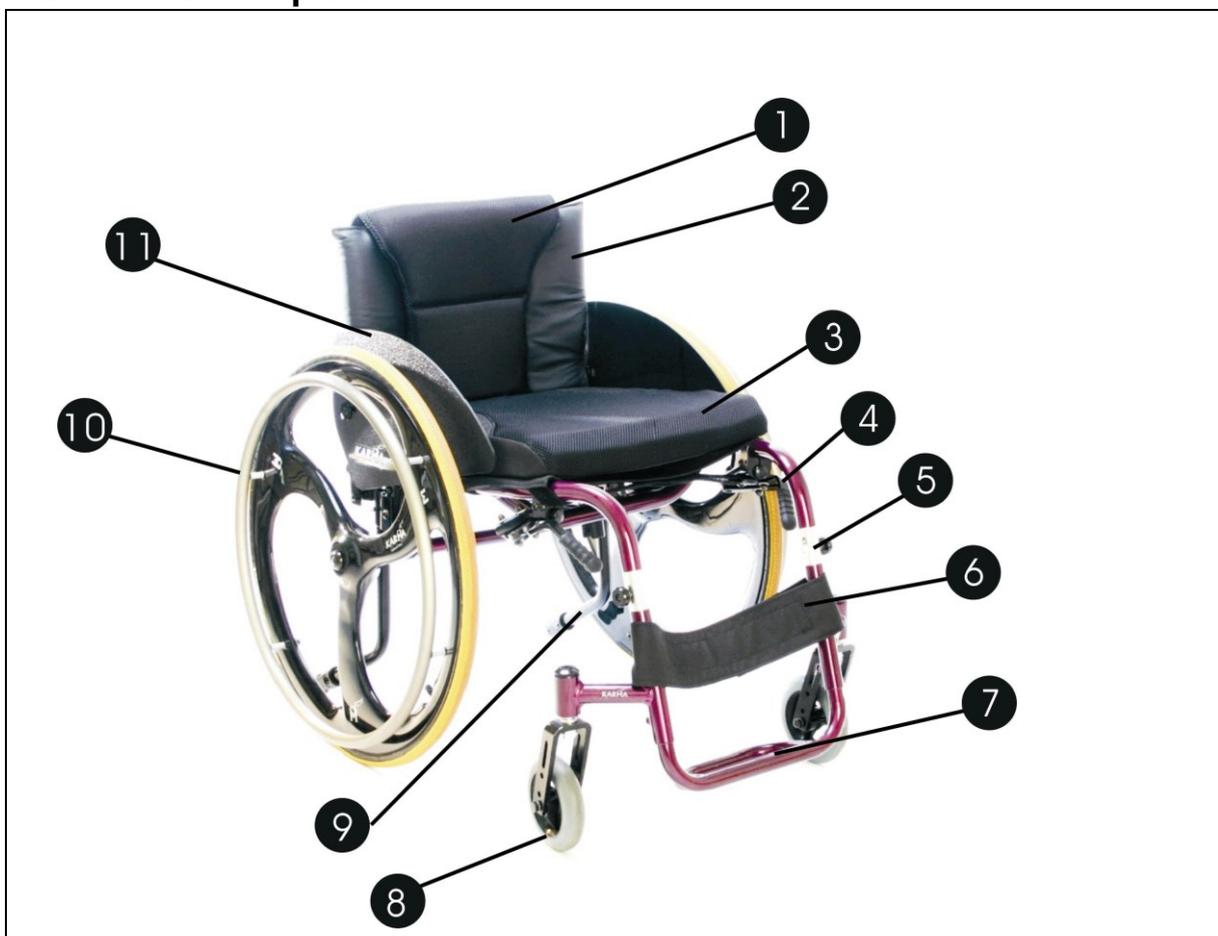
Figure 2.7

### 3. INTENDED USE & PARTS

#### 3.1 Intended Use

- The KM-AT60 series are wheel chairs self-propelled .
- The KM-AT60 series can be customized by our professional engineers.
- The KM-AT60 series are suitable for users up to 100kg in weight.
- The shorter distance between front and rear wheelbase provides superior agility and maneuverability.
- The retightening straps let you adjust the upholstery tension to match your body shape for comfortable customized support.
- The KM-AT60 series also have extremely durable aluminium alloy frames with tough accessories and do not suffer in dramatic extremes of temperature (neither user nor attendant need touch metal parts in normal use).
- Backrest angle can be adjusted for active or relaxed positions(72°/84°/96°/108°)

#### 3.2 Parts Description



<ol style="list-style-type: none"><li>1. Backrest Cushion</li><li>2. Backrest Upholstery</li><li>3. Seat Cushion</li><li>4. Brake</li><li>5. Footrest Hinge(Optional)</li><li>6. Calf strap</li></ol>	<ol style="list-style-type: none"><li>7. Footplate</li><li>8. Castor (Caster)</li><li>9. Anti-tippers</li><li>10. Rear Wheel</li><li>11. Side Panel</li></ol>
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## 4. Operation

### 4.1 Preparing For Use

#### 4.1.1 Unfolding

- Take off the footrest from the plastic footrest holder. (See Figure 4.1)
- Hold the tubes beneath the hinge buttons and slide the hinge upward to lock. (Notice: be careful not to get your skin pinched in the hinge) (See Figure 4.2)
- Pull backrest backwards and lock it.. (Notice: please double check it is locked) (See Figure 4.3)
- Put the axle into the axle housing. Confirm the axle is locked. (See Figure 4.4)
- Finally, attach the anti-tippers. (See Figure 4.5)



Figure 4.1



Figure 4.2



Figure 4.3



Figure 4.4



Figure 4.5

#### 4.1.2 Folding

- Press the quick-release button to unlock the wheels. (See Figure 4.6)
- Pull the quick-release axle out from the axle housing. (See Figure 4.7)
- Press both hinge buttons and slide them downward. The footrest hinge will be released. (See Figure 4.8)
- Attach the footrest into the plastic footrest holder under the seat frame. (See Figure 4.9)
- Lift the backrest release tube to fold the backrest. (See Figure 4.10)
- Folding is complete. (See Figure 4.11)



Figure 4.6



Figure 4.7



Figure 4.8



Figure 4.9



Figure 4.10



Figure 4.11

### 4.1.3 Adjustments

- Center of gravity adjustment: there are three positions to choose from. The forward position is more agile; the rearward position is more stable. (Notice: brakes should be adjusted to work properly)(Fig4.12)
- Back height adjustment: back height can be adjusted by the inner tubes, there are four position at 2.54cm intervals. (Fig4.13)
- Footplate length adjustment: loosen the bolts (see arrowhead in the photo) and adjust to the desired length and then tighten. (Fig4.14)
- Back angle adjustment: there are three holes in the backrest frame and four holes in the seat frame that allow different seat angles. (Fig4.15)
- Attaching anti-tippers: prevents wheelchair from toppling, it can be removed but Karma recommends always using anti-tippers. (Fig4.16)



Figure 4.12



Figure 4.13



Figure 4.14

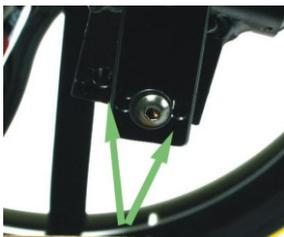


Figure 4.15



Figure 4.16

 **CAUTION:**

- You must make sure that the axle is fully located in the wheelchair bracket and that the ball bearings are fully open and have positively attached the wheel in the frame.
- The rear wheel can be mounted at different positions on the frame to alter the seat height and overall stability of the chair. Changing the wheel position should be carried out by your approved repairer or therapist.

### 4.1.4 Transportation and Storage

Make sure the wheelchair is folded when stored.



### SUGGESTION:

Please store the wheelchair in a location where it is out of direct sunlight, rain and dew. For more details, consult your Karma dealer.



### WARNING:

Don't put anything on the wheelchair while it is in storage. Storing goods on a folded wheelchair will cause damage and is not covered under warranty. (See picture right)



## 4.2 Transferring In and Out

### 4.2.1 Transferring In

- Engage both hand brakes.
- Turn the footplates up and swing them to the side.
- Lower the user into the seat, allowing them to use the armrests for support.
- Turn the footplates back down, so that the user can place his feet on them. Ensure that the heels rest against the heel supports to prevent contact with the castors (casters).
- Release both hand brakes.



### CAUTION:

Always ensure that the front castors (casters) are in line with the rear wheels and pointing forwards and that the back of the chair is secure either against a wall or firmly held by an attendant.

### 4.2.2 Transferring Out

- Make sure that the chair is near your final destination.
- Move the wheelchair backwards so that the castors (casters) are pointing forwards and are in line with the rear wheels. Ensure that, where possible, the rear of the chair is against a wall or, if not, it must be firmly held by an attendant.
- Engage both hand brakes.
- Turn the footplates up and swing them to the side.
- Slide forwards on the seat. Place one foot firmly on the ground with the knee at a right angle and the other foot slightly apart and further back.
- Place your hands on the front of the armrests and moving your weight forward, bring your head and shoulders up over your knees as you push yourself up.
- Some people have to side transfer.
- Flip back your armrest, and make sure that the chair is near your final destination.
- Prop up your body and move sideward slowly, using transfer board. Be careful to hit the brake or other components of wheelchair.



### CAUTION:

- Never stand on the footplates when getting into (or out of) the chair. (See Figure 4.29)
- When getting in and out of the wheelchair please use the hand brakes. The hand brake is the lever at the side of the wheelchair.
- Please ensure that neither the tread on your tyres (tires) nor the brake block has become too worn. If pneumatic tires are fitted, please maintain at the recommended tyre (tire) pressure for the same reason.
- Please ensure that occupant's fingers do not get caught in the brake.

When transferring in and out of the chair, make sure that the brakes are applied to prevent the chair from sliding away. Also see that the footplates are flipped up for ease of entering or exiting. (See Figure 4.30)

## 4.3 General Use

### 4.3.1 Attendant Pushing and Self Propelling

- Ensure that the brakes are always locked when the chair is not being pushed. (See Figure 4.31)
  - Always make sure that both feet are safely on the footplates and that clothing is safely tucked out of the way and cannot get caught in the wheels. (See Figure 4.32)
  - Always use both hands on the push handles to control the chair. (See Figure 4.33)
  - Always avoid steep or uneven surfaces because the chair may tip over. (See Figure 4.34)
  - Always avoid soft surfaces because the casters (castors) may get bogged down. (See Figure 4.35)
  - Always be careful not to go too fast or turn too quickly and try to achieve a smooth steady ride.
  - Before crossing the road, please stop completely and look both ways.
  - Cross tracks or ruts at right angles to avoid your castors (casters) getting stuck.
  - Do not drive at full speed over the railroad tracks.
  - Please keep your hands and arms inside the wheelchair when going through doorways.
- PLEASE keep in contact with the person in the chair. If you stop to look in shop windows or talk to people, remember to turn the chair so that the person in the chair does not have to turn.



**WARNING:**

Never lock the brakes too suddenly as this may tip the user out of the chair.



Figure 4.29



Figure 4.30



Figure 4.31



Figure 4.32



Figure 4.33



Figure 4.34



Figure 4.35



Figure 4.36

### 4.3.2 Tilting by the Attendant

- Make sure both the user's feet are on the footplates and will not slip off. Make sure the handgrips are secure and cannot slip off.
- Release both brakes.
- Grasp both push handles firmly.
- Put your stronger foot on the relevant tipping tube at the back of the chair.
- Tell the person in the chair that you are about to tilt the chair backwards.
- Pull back with both hands and push down and forwards with the foot. This will bring the chair onto the back wheels. (See Figure 4.36)



#### CAUTION:

- When a chair is tilted to about 25 degrees it will balance on its rear wheels and be easy to hold. If it is tilted further back it will be difficult to hold and the person in the chair will feel unsafe.
- Lower with a straight back; keep your foot on the anti-tipper and lower the chair slowly forwards softly to the ground.

### 4.3.3 Tilting by the User

- Make sure your feet are on the footplates and will not slip off.
- Release both brakes.
- Grasp both push rims and give a firm, sudden forward push immediately before the obstacle, continue the momentum (be ready to keep pushing) until the obstacle is mounted.



#### CAUTION:

- This method should only be attempted by people experienced in wheelchair use. Strong arms are also necessary. It is always better to have the help of an attendant.
- Leaning backwards causes the castors (casters) to rise higher BUT it is much safer to lean forwards and stay balanced.

### 4.3.4 Going Down Kerbs (Curbs)

Please note: It is always better to avoid kerbs (Curbs) where possible by using ramped curbs kerbs (curbs) or slopes and this operation is best attempted with the aid of an attendant.

#### 4.3.4.1 Going Down Curbs Forwards With an Attendant



#### CAUTION:

- This is the more difficult method and can jar the user but allows a better view of traffic.

- Be careful that the anti-tipper does not get caught on the kerb causing the user to fall.

**NEVER ALLOW THE CHAIR TO TIP FORWARDS WHEN GOING DOWN A KERB.**

- Position the chair so that the front castors (casters) are near the edge of the kerb and make sure that the road is clear.
- Move the chair slowly and carefully forwards while tilting it back slightly. Be ready to take the weight when the rear wheels cross the curb edge. Ensure that both rear wheels touch the ground at the same time to avoid tipping the chair.
- Gently lower the front casters. AVOID JARRING THE USER.

#### **4.3.4.2 Going Down Curbs Backwards With an Attendant**



##### **CAUTION:**

This is the easier and smoother method BUT it requires the attendant to step backwards into the road.

- Back the chair to the kerb edge and be careful that the back wheels are equally near the edge.
- Grasping the push handles, gently lower the rear wheels onto the road. Be prepared to control the weight as it descends and ensure that the back wheels touch ground at the same time.
- Tilt the chair back slightly and pull the tilted chair far enough into the road so that the castors (casters) and footrests can be lowered clear of the kerb.

#### **4.3.5 Going Up Kerbs (Curbs)**

Please note: This operation is best attempted with the aid of an attendant and the best method is to go up kerbs (curbs) forwards as this maintains the direction of travel and is physically less demanding for the attendant.

##### **4.3.5.1 Going Up Kerbs (Curbs) Forwards With an Attendant**

- As the footrests nearly touch the kerb tilt the chair. The chair should be tilted just high enough to allow the front casters to roll smoothly onto the pavement.
- Push the chair forward until the rear wheels are touching the curb. Then, continuing the movement, lift at the push handles while moving the chair forwards.

##### **4.3.5.2 Going Up Kerbs (Curbs) Backwards With an Attendant**

Please note: for safety's sake we do not recommend using this method.

#### **4.3.6 Up and Down Steps/Stairs**

Please note: avoid flights of steps particularly if no extra help is available. Use ramps or lifts wherever possible.

Two attendants are necessary, each capable of carrying at least half of the combined weight of the person and the wheelchair.

Each helper should bend at the knees and grip the main frame: with the front attendants hands just under the front of the seat, with the back attendants' hands holding the frame just under the push handles.



##### **CAUTION:**

Don't attempt to lift the wheelchair by any removable (detachable) parts. Lifting by means of any removable (detachable) parts of wheelchair may result in injury to the user and/or assistant or damage to the wheelchair.

#### **ALL LIFTING SHOULD BE DONE WITH A STRAIGHT BACK.**

Straighten legs to lift the chair. Carefully carry it up or down steps; be aware of how you place your feet, do not cross them and trip yourself up.

## 5. INSPECTION AND MAINTENANCE

### 5.1 General Check

Check the following items before travelling. If you find anything abnormal, visit your Karma wheelchair dealer for further inspection before using it.

- Examine brakes, checking for wear, damage and misalignment. Replacing or adjusting the brakes should be carried out by your approved repairer.
- Check that the hand grips are not damaged and are securely bonded to the push handles.
- Check anti-tippers are not damaged and are securely attached.
- Check that the anti-tippers' wheels and frame are not damaged and are securely mounted.
- When the wheelchair used for a while, the user need to check the bolts and nuts are tight. Check all parts for damage or wear and have a qualified technician replace it if necessary. Check all parts for proper adjustment.
- Inspect brakes for proper operation.
- The wheels and tires (tyres) should be checked periodically for cracks and wear, and should be replaced by a qualified technician.
- A qualified technician can be found with an authorized distributor/dealer.



#### CAUTION:

Visit a Karma wheelchair dealer for inspection and maintenance if you find anything abnormal.

### 5.2 Regular Maintenance Record

To make sure your wheelchair is in good condition, visit your Karma wheelchair dealer regularly for maintenance (and keep records accordingly) every six months after purchasing.

A maintenance/service fee may apply.



#### SUGGESTION:

Even if you don't use the vehicle for a long time, the wheelchair should still be maintained annually.

Item	Weekly	Monthly
<b>GENERAL</b>		
Wheelchair rolls straight (no excessive drag or pull to one side)		V
<b>FRAME AND CROSS BARS</b>		
Inspect frame structure for small cracks/fissures		V
Inspect for bent frame or cross bars		V
<b>BRAKES</b>		
Do not interfere with tyres (tires) when rolling		V
Pivot points free of wear and looseness		V
Easy to engage	V	

Prevent chair from moving when engaged	V	
<b>SEAT &amp; BACKREST</b>		
Inspect for rips or sagging	V	
Inspect for loose or broken hardware, such as the frame and etc.		V
<b>CASTORS (CASTERS)</b>		
Inspect the castors (casters) for smooth rotation		V
Inspect the castor (caster) for wear in the bearings/mountings and for tire wear or damage		V
<b>REAR WHEELS</b>		
Quick-release axles lock properly; lubricate if necessary	V	
No excessive side movement or binding when lifted and spun		V
Inspect for cracked, bent or broken spokes	V	
<b>FOOTRESTS</b>		
Inspect the footplate height adjustment screws are securely tightened		V
<b>TYRES (TIRES)</b>		
Inspect for flat spots, cracks and wear	V	
If pneumatic tyres (tires), check for proper inflation	V	
Check tyre (tire) tread depth is more than 1mm		V
Check tire pressure; tyre (tire) pressures are located on the side of the tyre (tire)	V	



**CAUTION:**

If you find anything abnormal, stop using the wheelchair immediately and visit a KARMA wheelchair dealer for inspection and maintenance.  
 Never disassemble or modify the wheelchair frame structure.  
 Otherwise, injury or damage may occur. This will negate the warranty.

## 6. OPTION AND ACCESSORIES



- Magnesium Alloy Rear Wheel (MG-40)
- Sliver spokes + bright yellow tire.
- Adapt to all karma manual wheel chairs have quick-release components .



- Anti-tippers



- Frame Protector



- Foldable Push Handle



### CAUTION:

Attaching accessories may alter the overall stability and centre-of-gravity of the chair. Thus, this should be performed by your approved repairer and therapist.

## 7. TROUBLESHOOTING

### Trouble or Problems with Your Wheelchair

You can inspect the following before taking your wheelchair to a Karma wheelchair dealer.

Problem	Checking Points and Corrective Action
Chair Veers Right/Left	<ul style="list-style-type: none"><li>• Check tires tyres (tires) for correct and equal pressure</li><li>• Check caster bracket angle</li><li>• Check that rear wheels are equally spaced from the seat frame</li></ul>
2. Sluggish Turn or Performance	<ul style="list-style-type: none"><li>• Check tyres (tires) for correct and equal pressure</li><li>• Check for loose nuts and bolts</li></ul>
3. Caster Flutter/Wobble	<ul style="list-style-type: none"><li>• Check tyres (tires) for correct and equal pressure</li><li>• Check for loose nuts and bolts</li><li>• Check caster bracket angle</li></ul>
4. Squeaks and Rattles	<ul style="list-style-type: none"><li>• Check for loose nuts and bolts</li></ul>
5. Looseness in Chair	<ul style="list-style-type: none"><li>• Check for loose nuts and bolts</li></ul>

If you cannot solve the problem by yourself, contact your Karma wheelchair dealer for help.

## 8. SPECIFICATIONS

Model	16"x16"
Overall Length (mm)	920
Overall Width (mm)	650
Overall Height (mm)	790-965
Total Weight (kg)	10.5
Seat Width (mm)	405
Seat Depth (mm)	405
Seat Height (mm)	456
Backrest Height (mm)	280-355



**Caution:**

Please don't travel across a slope (in any direction) greater than 7 degrees.

## 9. CLEANING & RECYCLING

### 9.1 CLEANING

In order to lengthen the life of your wheelchair, it is suggested that you clean the wheelchair periodically (if not daily), especially after it is used in the rain or snow. We recommend that you don't use your wheelchair in the rain or snow. If you are travelling and get caught in the rain, we suggest you try to find shelter. If you can't find shelter, proceed to your destination.

Although your wheelchairs frame is aluminium, some parts such as screws nuts and spokes of wheels will rust if exposed to water. Please dry the wheelchair thoroughly if it is exposed to water. Please store in a dry place. Do not clean with an abrasive material.

#### 9.1.1 Frame

Wipe with a damp cloth.

#### 9.1.2 Upholstery

- When cleaning the upholstery, use warm water and a mild soap.
- Upholstery cleaner/foam can also be used, but avoid other cleaning solvents.

### 9.2 POST-CONSUMER RECYCLING

A post-consumer recycling plan should follow the Environmental Protection Administration's regulations. The items listed below are for reference only as local laws and regulations may vary.

Material	Part Name	Method
Aluminum-alloy	Frame	Recyclable
Plastic	Modular Components	Recyclable
Paper	Owner's (Manual)	Recyclable

- There are many organizations in many countries you can find on the Internet that will accept used goods for charity. Please search the information highway to help less fortunate individuals and protect our planet for future generations. If you do not have access to the world wide web please use your local phone directory, ask for operator assistance or go to your local government centre for more information. Earth Day is every day.
- Check with your local recycling centre on where and how to recycle your wheelchair as this information varies from region to region.

## 10. WARRANTY

### 10.1 Serial Number

To ensure after-sale service and warranty, please record and fill in the serial number which can be found on the frame.

Model	KM-AT60 series
Serial Number	

### 10.2 Warranty Policy

#### 10.2.1 Contents and Duration of Warranty

- Repair will be provided free of charge if the problems are due to manufacturing or defective components within the warranty period (a repair of this kind will hereafter be called warranty repair).
- Warranty repairs can be performed by authorized Karma wheelchair dealers only.
- Karma is not responsible for the transportation costs for repair and replacement.
- Replaced parts will be the property of Karma.

#### 10.2.2 Items Not Covered by Warranty

- Irregularities that do not affect function and safety of product.
- Damage resulting from normal wear and tear.
- Problems arising due to lack of basic maintenance and self-inspection.
- Damage resulting from use not following operation guidelines.
- Installation or use of parts not manufactured by Karma.
- Damage resulting from use in unsuitable environments, refer to the statements in this manual.
- Any addition, modification, or alteration not authorized by Karma.
- Damage resulting from external factors such as chemicals, oil, debris, etc.
- Natural disaster.

#### 10.2.3 Karma is Not Responsible for The Following Costs

- Replacement or refill of consumable parts, oil, lubricant.
- Inspection, adjustment, cleaning, etc.
- Karma designated self-inspection costs.

#### 10.2.4 Responsibilities

##### 10.2.4.1 The Responsibilities of the User

- Fully adhere to operation guidelines set forth in this manual.
- Perform self-inspection and basic maintenance.
- Keep a record of self-inspections and basic maintenance.
- Not permit any alteration, addition, or modification or use of parts not manufactured by Karma.
- Thoroughly read and understand this manual.

##### 10.2.4.2 The Responsibilities of the Dealer

- Follow this manual and educate user about product operation and basic maintenance.
- Verify whether or not conditions of warranty have been met.
- Provide relevant warranty information and recommendations for improvements.

#### 10.2.5 Stipulations

Consumables such as tires, front casters, seat cushions, backrest cushions, etc. are not covered by the warranty.

#### 10.2.6 Warranty Duration and Parts Covered by the Warranty

Please contact your local dealer.

### 10.2.7 Transfer of Warranty Rights

If you purchase a second-hand Karma wheelchair while it is still with in the warranty period, bring this owner's (manual) and the wheelchair to the dealership where the wheelchair was purchased for registration.

Full name:	
Gender:	
Date of Birth:	
Address:	
Model:	
Serial Number:	
Date of Purchase:	

#### Dealer's Data

Name of store:	
Telephone and Address:	

If you have any suggestions on how to improve our products, please don't hesitate to contact your local dealer to let us know what you think of your wheelchair. Thank you and enjoy.



# karma



Karma website



instagram

National agent:

Sold and serviced by:

**KARMA MEDICAL PRODUCTS CO., LTD.**

[Http://www.KarmaMedical.com](http://www.KarmaMedical.com)

E-mail:[globalsales@karma.com.tw](mailto:globalsales@karma.com.tw)

KARMA reserves the right to modify information herein without further notice.