



## KARMAN Manual Wheelchairs

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# USER GUIDE

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KM-TV10  
KM-1500F/KM-2520F/KM-5000  
KM-802F(Q)/KM-8020F(Q)  
KM-8520F/KM-9020F  
SM-150

MANUAL  
SELF-PROPELLED & ATTENDANT  
FOLDING WHEELCHAIRS



KARMAN HEALTHCARE INC.

# TABLE OF CONTENTS

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1. ABOUT KM-TV10 .....	01
2. INTRODUCTION .....	02
3. SAFETY TIPS .....	03
4. SPECIFICATIONS .....	06
5. OPERATING .....	07
6. WARRANTY .....	09

**NOTE:**

This product is designed and manufactured for handicapped and disable individuals.

# 1. ABOUT KM-TV10

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## ■ Features:

1. Aircraft-grade ultra-lightweight aluminum alloy frame; only 6.9kg (15lbs).
2. Quick folding/unfolding; portable and convenient.
3. Compact and easy to carry and store.
4. Ideal for shopping, road trips, and air travel.

## ■ Operations:

1. Please refer to the following diagrams for folding and unfolding.
2. Weight capacity: 80kg (176 Pounds).
3. An assistant is required to push the chair from behind; do not operate the chair without an assistant.
4. Operate the chair in a safe environment (a level, smooth surface).
5. Optional security belt is available.



### **Caution:**

- ⊙ Enter the chair from either side with the armrest lifted. To enter from the front of the chair, be sure that the footrest is lifted up ( do not step on the footrest as the chair will tip).
- ⊙ Make sure there no obstacles in front of the chair so the user will not fall off the chair.
- ⊙ To avoid injury, be aware of where your fingers are when folding or unfolding the chair.
- ⊙ Be careful with operating chair on a sloped path. The attendant should never let go of the chair.

### INTRODUCTION

Congratulations on the purchase of your KARMA product. This well-designed wheelchair provides excellent customer satisfaction at a very competitive price. Before using your wheelchair, please read the following material, particularly the Safety Tips. It is important that you consult your healthcare professional and authorized Karma supplier to make certain that your chair is properly adjusted for your safety.



#### **Warning:**

- ⦿ The user should be evaluated by a healthcare professional so that the user's physical condition and limitations are considered to assure safe operations of the wheelchair in the performance of daily activities.
- ⦿ A complete inspection, safety check and servicing should be made by an authorized KARMA supplier at least once a year.

**Design and specifications are subject to change without notice.**

### SAFETY TIPS

#### ■ **Anti-tippers**

Anti-tippers will prevent the wheelchair from tipping over backward. Antitip tubes are available from your local supplier. Karman recommends antitip tubes be used at all times on these wheelchair models.

#### ■ **Footrests**

To install the foot rest, be sure the diagonally sliced area between the axle and the nut is lined up before it is insert into the frame. Push the axle into the frame until a desirable length and then tighten the bolt to secure the foot rest. Put on the foot rest strap when both foot rests are secured, and be sure the cut out space at the ends of the strap is placed right where the bars cross.



#### **Warning:**

Never stand on the footrests, for the chair may tip forward.

#### ■ **Opening and Folding the Wheelchair**

Do not place your fingers between the seat sling and frame rail when opening or folding the wheelchair.

#### ■ **Check Tire Pressure (For Pneumatic Tires)**

Tire pressure is critical to wheel lock effectiveness. Check tire weekly for proper inflation level.

#### ■ **Quick-Release Axles (For KM-8020Q)**

1. To install the quick release wheel, simply insert the axle into the center of the rear wheel and then place the plastic cap (The cap is optional). Make sure **the quick release button and hand rim are facing outward.**

## 3. SAFETY TIPS

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2. Make sure the axles are inserted properly. After mounting the axles, check to be sure **the wheels won't release without pushing release button** and insure that the axles are locked in place (**check the release buttons extend completely**, rear wheels spin freely but can't be pulled off), and **two small elastic balls should come out**.
3. **Axle Adjustment** - The axle length has been adjusted at the factory but it may be readjusted. To adjust begin by removing rear wheel:
  - ⦿ Depress rear wheel's center release button and slide the axle out through the camber.
  - ⦿ Use a wrench to hold flats on axle stationary, and use a 3-holes-wrench (come with the chair) to adjust nut at opposite end.

### **Warning:**

When reassembling the wheelchair after removing the rear wheels, insure that the rear axles are locked in place to prevent wheels from falling off.

### ■ **Street Use**

Your wheelchair should not be operated on roads and streets except when using crosswalks. At such times, use only marked pedestrian crosswalks and proceed with extreme caution.

### ■ **Transferring**

Never stand on the footrest foot plates while transferring because the chair may tip over. Always engage the wheel locks before transferring in or out of your wheelchair.

### ■ **Wheel Locks**

Wheel locks are designed to prevent the rear wheels from turning when the chair is stopped. It is not intended to slow down the chair when it is moving. Adjust the wheel locks after making any changes to the rear axle sleeves position.

## 3. SAFETY TIPS

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### ■ Weight Limit

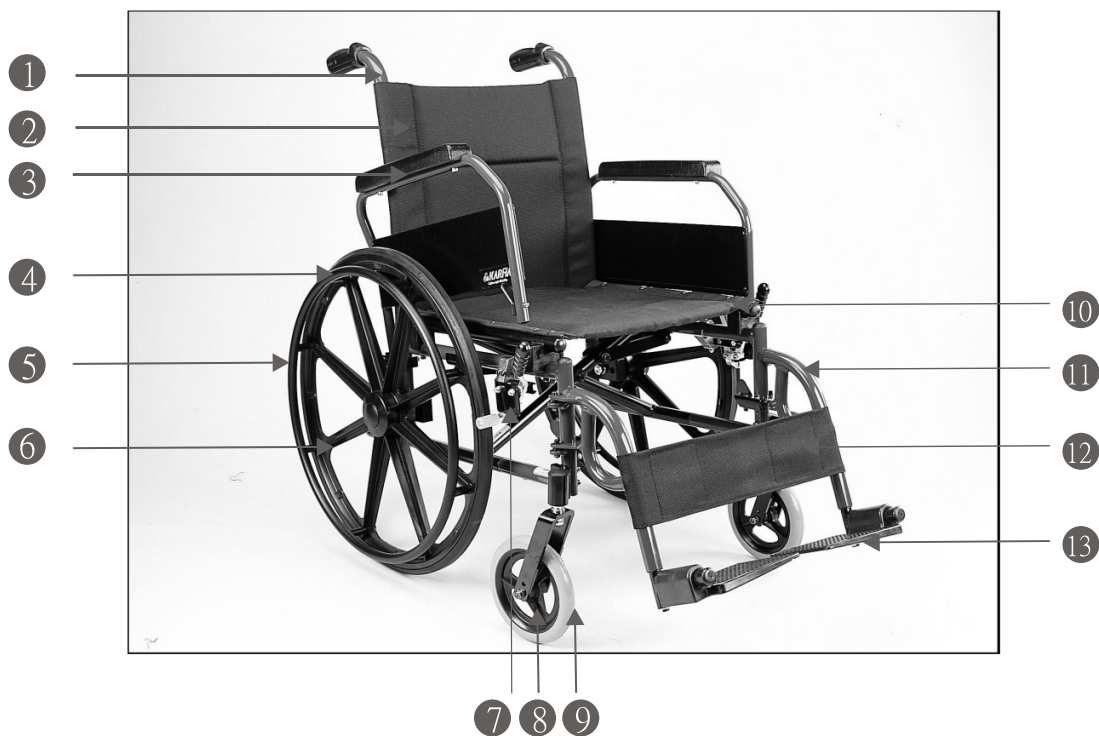
Maximum user weight is 220 lbs for KM-1500 & SM-150, 250 lbs for KM-2520 and KM-8020, 300 lbs for KM-8020-20W, 350 lbs for KM-8020-22W.

### Warning:

- ⊙ This wheelchair has not been approved as a seat in a motor vehicle. Always transfer to an approved vehicle seat.
- ⊙ Do not tie down or attach anything to the wheels in any way. This could cause tipping and possibly result in injury or damage to the chair.
- ⊙ Attempting inclines steeper than 6 degrees can cause your chair to tip over. Use of anti-tippers is highly recommended for inclines.
- ⊙ Do not operate your chair on hilly or rough terrain or in conditions beyond your ability. They could cause you to lose control of your chair and should be avoided.
- ⊙ Engage wheel locks when using this wheelchair in an elevator or wheelchair lift, and when transferring.
- ⊙ Before transferring to or from wheelchair, place wheelchair on a stable, level surface and engage wheel locks.

## 4. SPECIFICATIONS

### SPECIFICATIONS



- |                              |                         |
|------------------------------|-------------------------|
| 1. Push Handle Backrest Tube | 8. Caster Wheel         |
| 2. Backrest                  | 9. Caster Tire          |
| 3. Padded Armrests           | 10. Padded Seat         |
| 4. Polyurethane Tire         | 11. Swing-away Footrest |
| 5. Handrim                   | 12. Leg Strap           |
| 6. Mag. Wheel                | 13. Flip-up Composite   |
| 7. Wheel Lock                | Footplate               |



### **OPERATING**

#### **■ Opening Wheelchair**

Tilt the wheelchair toward you far enough to take the weight off the opposite wheel. Push down on the seat rail (the one closer to you) until the wheelchair is completely opened. Make sure seat rail tubes are snapped into frame saddles.

#### **Warning:**

Do not place your fingers between the frame rail and seat sling when opening or folding the wheelchair.

#### **■ Folding Wheelchair**

Before folding the wheelchair, flip up the foot plates to a vertical position. Grasp the seat sling (in the center) and lift sharply until the wheelchair is folded.

#### **Warning:**

Never lift the wheelchair by the swing-away footrests or elevating leg rests or armrests. These parts are detachable. Lifting the wheelchair by them may cause damage to the chair or injury to the user.

#### **■ Install/Remove Swing-away Footrests**

Place swing-away pivot saddle into the receiver on front frame tube. Rotate the footrest inward until it locks into place on locking bolt. To remove footrest, push release latch outward the frame, rotate footrest outward and lift.

#### **■ Install/Remove Elevating Leg rests (Optional)**

To Install or remove elevating leg rests see instruction for swing-away footrest above.

## 5. OPERATING

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### ■ Flip-back Armrests

To flip back armrest, depress the release stem and swing arm up.  
To lock armrest in place, tilt armrest forward. The armrest will automatically lock in place.

### ■ Footplates Height Adjust

To adjust footrest footplate or footrest height using the wrench (come with the wheelchair) to loosen the bolt in the bottom of the footrest, inward/outward rotation, reposition footplate and tighten bolt.

### **GENERAL MAINTENANCE RECOMMENDATIONS**

For maximum service, it is recommended that the wheel bearings be cleaned, inspected and regreased about once a year by dealer.  
Adjust brakes when necessary. Check periodically for loose screws, bolts or spokes and repair immediately.

The best way to preserve the finish is to keep it clean by sponging with a damp cloth and drying immediately with a soft dry cloth.  
Most of the hinged or movable parts may be lubricated with "white Graphite"?

## 6. WARRANTY

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### **WARRANTY:**

#### **KARMA WHEELCHAIR LIMITED WARRANTY**

- © This warranty is extended only to the consumer, and does not cover commercial use (such as rental or institutional use) and is not transferable. Karma warrants side frame and cross brace on the KM-1500, KM-2520, KM-5000, KM-8000 KM-9000 and SM-150 series wheelchairs against defects in materials and workmanship for the lifetime of the original purchaser, warrants parts and components (including frame components, caster plates, armrests, backrests, axle plates, etc.) for one year from purchase date. All tires and tubes, upholstery, and armrest pads are warranted for three months. Parts or materials which are subject to normal wear and which must be replaced/repared are the owner's responsibility and are not covered by warranty. It is recommended that wheelchair be returned to the authorized dealer through whom it was original purchased.
  
- © If within such warranty period, any such product is proven to Karman's satisfaction to be defective, such product shall be repaired or replaced at Karman option. In no case are goods to be returned without first obtaining an R.M.A. (Returned Merchandise Authorization) number issued by Karman and that the part in question is returned insured with freight prepaid to Karman, within the period of warranty. Labor charge incurred in the installation or repair of the above-mentioned parts plus all freight charges are not included in the warranty.
  
- © If Karman does not have a completed Warranty Registration Card on file for the consumer's product, then a copy of the invoice with date of purchase must be provided. All Karma wheelchairs are identified by a Q.C.# (Serial #) at time of manufacture. The warranty is void on wheelchairs that have had the serial # tag removed or altered.

## 6. WARRANTY

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- ⊙ Products which have been subject to negligence, abuse, improper storage or handling, improper operation, unauthorized modifications or misuse are not covered by this warranty.
- ⊙ Karman will not warrant the frame or any parts damaged when the maximum weight limit is exceeded. Warranty applies in the U.S. Only.
- ⊙ Karman Healthcare's sole liability extends to repair or replacement of parts or components as previously specified. The foregoing is in lieu of all warranties expressed, implied or statutory, whether written or oral.

Model #: \_\_\_\_\_ Serial #: \_\_\_\_\_

Date of Purchase: \_\_\_\_/\_\_\_\_/\_\_\_\_



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