

Owner's Manual



ADULT TILT-IN SPACE CHAIRS 456E/457E

TuffCare[®]
HIGHER STANDARD FOR HEALTH CARE™

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Limited Warranty

The warranty below has been draft to comply with Federal Law applicable to products manufactured after July 4, 1975. This warranty is extended only to the original purchaser/consumer (or dealer non-consumer who does not buy for resale).

Tuffcare warrants the main frame of its tile-in space chairs will be free from defective workmanship and materials for a period of three years from the date of purchase, 6 months on parts. The warranty period commences on the original manufacture date. If within such warranty period any such product proven to Tuffcare satisfaction to be defective, such product will be repaired or replaced at Tuffcare option.

Tuffcare sole obligation and your exclusive remedy under this warranty shall be limited to such repair and /or replacement. The warranty does not include any labor charges incurred in replacement parts instillation. Freight charges to factory are at the expense of the consumer or seller. Return freight charges will be prepaid by Tuffcare. For warranty service, please contact the authorized dealer from whom you purchase your Tuffcare products. In the event that you do not receive satisfactory warranty service, please write directly to Tuffcare.

DO NOT RETURN PRODUCTS WITHOUT PRIOR AUTHORIZATION.

LIMITATIONS AND EXCLUSIONS: The foregoing warranty shall not apply to products subjected to negligence, abuse, misuse, improper operation, improper maintenance, improper storage or damages beyond Tuffcare control. The evaluation will be solely determined by Tuffcare. The warranty shall not apply to problems arising from normal wear, or failure to follow instructions, or if parts are not manufactured by Tuffcare, or not comply with original equipment specifications that add to Tuffcare product.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES AND FINES FOR A PARTICULAR PURPOSE AND SHALL NOT EXTEND THE DURATION OF THE EXPRESS WARRANTY PROVIDED HEREIN. TUFFCARE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

This warranty gives you specific rights and you may also have other legal rights which vary from state to state. Some states do not allow the exclusion or limitations or consequential damage, or limitation on how long an implied warranty lasts, therefore, the above exclusion and limitation may not apply to you.

Maintenance

• Suggested Maintenance

Keep the wheelchair in its best condition, please proceed with the following maintenance:

1. Before using the wheelchair and during the first month of use, check all the screws if they are tightened. If any loose screws appear, please tighten immediately to assure the safety of the user. Under normal use, please proceed with routine inspection every 3 months to assure that all the parts are in good condition, and to check all the screws and nuts to make sure they are tightened (specially the fixing nuts of rear wheels and the brake system). If any screws become loose, please adjust and tighten in time.
2. The wheelchair must be dried after using if it gets wet in rainy days. Under normal use, the wheelchair must be cleaned often with soft cloth and apply a anti-rust wax to maintain good condition of this product.
3. Maintain the frame clean and dry under dry and ventilated place to avoid any rust on the parts.
4. Check often the agility of rotating parts and add a little lubricants regularly.
5. Avoid any oil or acid contacts with the wheels to prevent any deterioration.
6. The elastic vinyl used on seat, backrest, shoulder stopper, hip stopper, armrest side boards and headrest can all be removed for cleaning and sterilized purposes

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Product Features

Frame Material: Steel / Aluminum

Finish: Powder Coated

Cross Brace: Fixed

Seat/Backrest Cushion: Fire retardant elastic vinyl

Armrest Mode: Height adjustable, position adjustable, detachable

Armrest Equipment: PU armrest pad

Footrest Mode: Detachable elevating legrest

Front Castor Mode: 8" x2" PU tire

Front Castor Equipment: Plastic rim, aluminum front fork

Rear Wheel Mode: 24" PU tire

Rear Wheel Equipment: 24" x 1 3/8" high impact molded wheel with 8 spokes or , 12" x 1 3/8" high impact molded wheel with 6 spokes, quick-release center axle.

Other Accessories: Reclinable backrest, adjustable seat, seat depth adjustable, 3-pieces headrest, shoulder stopper, hip stopper, aluminum lightweight hand brake, luxurious anti-tippers

4. Installation and adjustment of footplate height:

Align and mount the arc plate hole of the leg support into the pin. Rotate gently the leg support from outside to inside until the spring is fixed. If it is necessary to remove the leg support, push the spring lock from the inner side of the leg support, twist it outwards until you obtain a certain angle and elevate it to pull it out from the frame pin.

5. Installation and adjustment of skirt guards and armrests:

Loosen the armrest fixing triangle bolts, plug the square tube of the armrest into the square hole of the wheelchair frame, then tighten clockwise the armrest fixing triangle bolts.

Plug the armrest tubes into the armrest fixing square tubes, adjust to the suitable height and tighten clockwise the triangle bolts.

Adjust the side boards to the suitable height and tighten clockwise the triangle bolts to secure the skirt guards.

6. Installation and adjustment of headrest:

Take out the headrest set from the box. Plug the square tube of the headrest into the wheelchair frame's square tube located at the back of the backrest. Adjust to the suitable height and tighten clockwise the triangle screw bolts to fix the headrest set.

Loosen the wrench bolts from the headrest folding blocks. Adjust forward or backwards the headrest to the suitable position. Tighten clockwise the wrench bolts to fix the headrest.

The user may adjust the movable blocks of the headrest according to his/her preferences. Adjust the movable blocks to the suitable position and tighten the wrench bolts to fix the headrest.

7. Installation and adjustment of shoulder stoppers:

The shoulder stoppers can maintain and protect the body posture. The height of the shoulder stoppers and the distance between them can be adjusted according to the body of the user. Adjust to the suitable position and tighten clockwise the triangle wrench bolts.

Adjustment Instructions

Tuffcare's Compact series tilt-in space Wheelchair is a modern, practical, stable, durable, product with good heavy resistance, multifunctional and very comfortable. It is suitable for people with disabilities and for the elderly people with nursing and transport purposes.

These wheelchairs are basically fully assembled in the box and only minor adjustments are needed for simple installation of accessories that are needed before using the wheelchair.

1. Open the box and take out the wheelchair from the box. Place the wheelchair on the ground. Push down both left and right side boards from to position them for their normal use position.

2. Check the contents of the box to see whether all of the accessories, user manuals, etc, are complete. If not, please contact your seller or the manufacturer.

3. Installation of adjusting cylinder:

There are two adjusting cylinders, one is for adjusting the reclining angle of the backrest and the other is for adjusting the reclining angle of the seat. The angles can be adjusted according to every user for his/her comfort.

3.1 Installation of backrest adjusting cylinder:

The backrest adjusting cylinder is located at the back of the wheelchair. Align the positioning hole of the adjusting cylinder to set to the proper position slot hole and place the bolt through the hole.

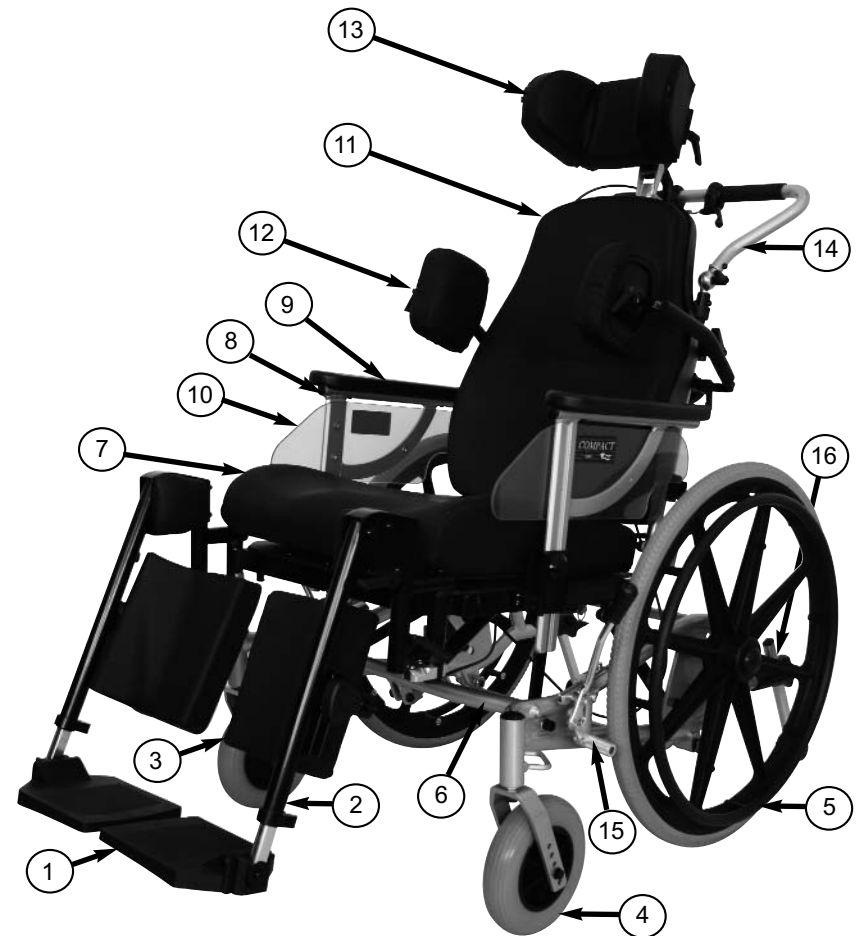
Note: after placing the bolt through the hole, assure that the two handles from the front of the bolt are extended out to prevent the bolt from falling out.

3.2 Installation of seat adjusting cylinder:

The seat adjusting cylinder is located at the back of the wheelchair. Align the positioning hole of the adjusting cylinder to the proper position slot hole and place the bolt through the hole.

Note: after placing the bolt through the hole, assure that the two handles from the front of the bolt are extended out to prevent the bolt from falling out.

Wheelchair Diagram



- | | |
|---------------------|-------------------------|
| 1. FOOTPLATE | 9. ARMREST PAD |
| 2. LEGREST | 10. ARMREST SKIRT GUARD |
| 3. CALF PAD | 11. BACKREST |
| 4. FRONT CASTER | 12. SHOULDER STOP |
| 5. REAR WHEEL | 13. HEADREST |
| 6. MAIN FRAME | 14. HANDLE BAR |
| 7. SEAT | 15. HAND BRAKE |
| 8. ARMREST ASSEMBLY | 16. ANTI-TIPPER |

Precautions

Using the brakes

The wheel locks (on model No. 456E & 457E) or brakes ((on model No. 456E & 457E) should be engaged against both rear wheels or casters before sitting down or getting up from the chair.

Self Propel Wheels (Handrims)

The user must first sit steadily on the wheelchair, grab the handrims with his/her hands and push the handrims forward with the same force on both hands to make the wheelchair move forward, then release both hands off the handrims. When the wheelchair has slowed down its speed after moving on certain distance of movement, please repeat the above procedure.

Way to go upstairs

When the wheelchair is going upstairs, the user must have an attendant who will be assisting at the back of the wheelchair. The attendant must step hard on the pedal located besides the rear wheels, so the wheelchair may incline backwards and tilt the front wheels to achieve the height of the next step of the stairs. Push the wheelchair forward a little and loosen the feet from the pedal so the front wheels may touch the step. The attendant must push the wheelchair hard so the rear wheels may move forward to the next step. Repeat the procedure until the wheelchair achieves its destination.

Way to go downstairs

When the wheelchair is going downstairs, the user will need two attendants for assistance, one at the front and the other at the back of the wheelchair. To be able to go downstairs, the attendant at the back must hold the handgrips tight to assure the wheelchair will not fall off the stairs. The attendant at the front must step down first and elevate the front frame of the wheelchair, then slowly and carefully pull the wheelchair down from the stairs. Repeat the above procedure until the wheelchair achieves its destination. Finally, the front attendant must put down the front frame of the wheelchair so the front wheels can touch the ground.

Wheelchair seat and backrest angle adjusting precautions:

This wheelchair provides the option of adjusting the angle of the seat and backrest according to every user's needs. The option of adjusting the angle of the seat and backrest bring more comfort to the user on the wheelchair. The adjustment of seat and backrest angle will need the assistance of an attendant. The attendant must hold the pushing handgrip and push the cylinder with the thumb (as shown in the picture, left side: backrest cylinder handgrip; right side: seat adjusting cylinder handgrip. Both can be used independently or simultaneously). Elevate or push gently the handgrips with both hands and adjust to the suitable position, then release the hands to adjust the angle of the seat and backrest.

Safety recommendations

1. The maximum capacity for this wheelchair is 280lbs for 18" wide, 330lbs for 20" wide. Users over the weight limit, please contact the manufacturer to purchase a customized product.
2. For self propel wheelchairs, the user should maintain a uniform speed. The recommended max. speed for self propel use is at 3mph.
3. The wheelchair is recommended to be used on flat ground. If any obstacle appears, please veer away to avoid any danger of wheelchair tipping and falling.
4. While using the wheelchair, the user should not stand on the footplate as this act will cause danger of tipping and falling.
5. The user must assure to have good seating positioning before using the wheelchair on sloping ground. The angle of the sloping ground should be no more than 10 degrees for safety considerations. If the angle of the sloping ground is over than 10 degrees, there must be an attendant to assist the user to push the wheelchair at the back.
6. Do not tilt or swerve while the wheelchair is being used on sloping ground. Using brakes abruptly when going downhill is not recommended as this will cause danger of tipping and falling to the front.