



**AVIATOR SERIES™**

**SkyMaster™**  
**Model #9000**



COLUMBIA MEDICAL, LLC warrants this product to be free of defects in material and workmanship. Our obligation under this warranty is limited to repair or replacement of any part or entire unit at our option for a period of one year from date of delivery to the original purchaser. The warranty does not include cost of inconvenience, property damage, misuse, abuse, accident or similar incidents. The warranty will not apply if product has been tampered with or repaired by unauthorized individuals.

**Thank you for choosing Columbia Medical!**

Columbia Aviator Series Transfer Chairs have been built to exacting standards of quality to ensure years of superior service. Please take the time to read this informative booklet and pay particular attention to the safety instructions we've provided. Thanks again for choosing Columbia Medical.

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## VI.

### Seat Latch Mechanism

1. Remove the seat (see ABS Seat on page 5).
2. Cut the wire (A) from the latch (B) and handle (C).
3. Remove the latch mechanism by sliding one side of the metal rod (D) out of the chair frame, then angle the rod the to remove the entire mechanism.
4. Insert the new metal rod mechanism into the frame.
5. Install the seat back (see ABS Seat on page 5). Tape the top part of the spring to the bottom of the seat with provided adhesive tape.
6. Loop the wire through holes on the latch and handle
7. Adjust the seat height so that the top part of the latch is about half way of the seat rest bar (E).
8. Pull the slack on the wire until it is taut between the handle and the latch. The distance from metal rod to the handle should be around 3.75". Twist the wire onto itself and secure the tip with the provided hot tip.
9. Test to make sure that the latch mechanism is working properly. Snap the seat on the seat rest bar, pull on the seat upward. If the seat doesn't move, the latch is working properly. If the seat doesn't stay locked in place, the wire may be too long. Correct by shortening the wire and hammer lightly on the latch so that it locks on the metal rod.

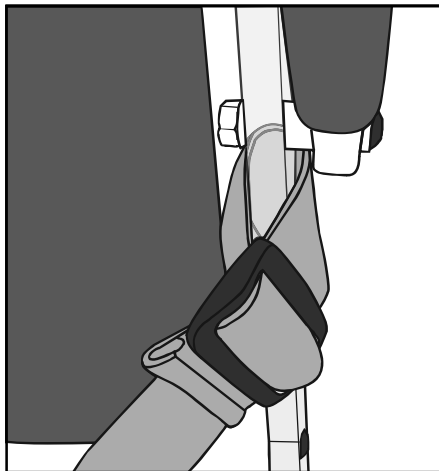
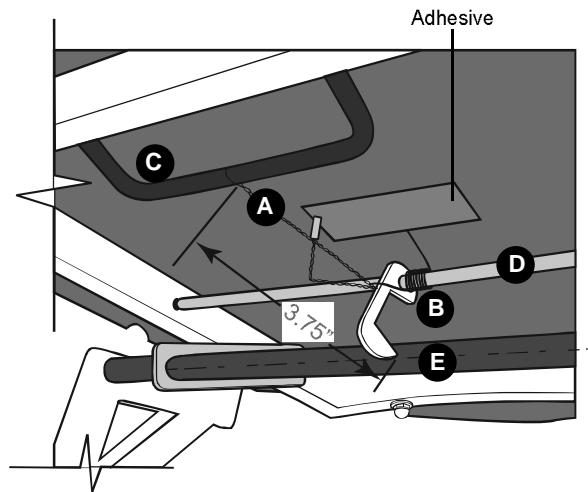
### Chest Belt

1. Unfasten the belt from its buckle on both sides to remove the belt from the chair.
2. Fasten the new belt on the chair by looping it from the inside of the frame with the short end facing outward.

## I. SAFETY INSTRUCTIONS

When using your aisle chair, basic safety precautions should always be followed to reduce the risk of injury to the passengers, including the following:

1. Read and understand all instructions.
2. NEVER leave the passenger unattended in the chair. Narrow transfer chairs are less stable than regular wheelchairs. The passenger could tip and be injured if left unattended.
3. Check all fittings regularly. Make sure the locking device is in good order, and that bolts and other parts are tight at all times.
4. Be sure the belts are attached to the transfer chair, and buckles are working properly.
5. Be sure all brakes are working properly.
6. Be sure safety belts are fastened.
7. Advise the passenger as to how the chair is operated.
8. On stairs, or when lifting the chair, two attendants are necessary.
9. Narrow on-board chairs are less stable than ordinary wheelchairs. Only leave passenger unattended if the location (lavatory, etc) is such that they cannot tip the chair and be injured.
10. Chair is not for use, and to be stowed, during turbulence, taxi, takeoff, and landing.
11. Chair is intended for use in locations such as aircraft aisles and lavatories. Do not use in inappropriate locations.





	<b>AisleMaster</b>	<b>AisleMaster</b>	<b>AisleMaster Folding</b>
<b>Model Number</b>	8000 (For use on jet aircraft, railways, etc.)	8010 (For use on commuter aircraft or buses where aisles are extra narrow)	8020 (Folding for storage on aircraft)
<b>Wheelbase Width</b>	16"	12"	16"
<b>Product Weight</b>	40.5 lbs. (18.4 kg)	39.5 lbs. (17.9 kg)	36 lbs. (16.3 kg)
<b>Product Dimension</b>	32"L x 16"W x 48"H (81 cm x 41 cm x 122 cm)	32"L x 13"W x 48"H (81 cm x 33 cm x 122 cm)	32"L x 16"W x 47"H (81 cm x 41 cm x 119 cm)  Folded Dimension: 47"L x 16"W x 17"H (119 cm x 41 cm x 43 cm)
<b>Weight Capacity</b>	400 lbs. (181.4 kg)	400 lbs. (181.4 kg)	300 lbs. (136 kg)

### Wheel Lock Levers

1. Unscrew buttonhead bolt (A) on the outside of the lever.
2. Remove the bolt, washers (B), and the lever from the chair.
3. Attach a new wheel lock lever by adding two washers (C) in between lever and chair metal frame. Tighten the bolt.

### Front Casters

1. Remove locking hex nut (D) on the inside of metal frame.
2. Remove hex bolt (E) to free the caster from the chair.
3. Replace the old caster with a new one and secure it on the chair with hex bolt (E) and locking hex nut (D).

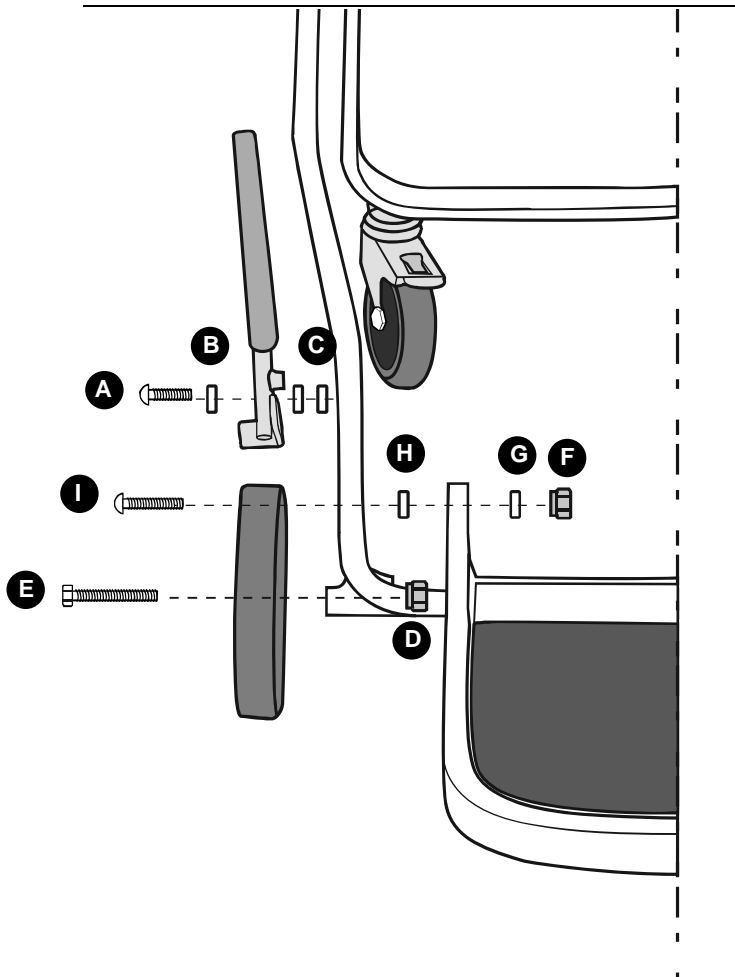
### ABS Footrest

1. Remove front caster (see instruction on Front Casters).
2. Unscrew the locking hex nut (F) and washers (G) on the inside of footrest frame.
3. Remove old footrest frame.
4. Attach the new footrest frame to the chair by adding one washer (H) in between both metal frames.
5. Insert hex bolt (I) from outside of chair metal frame to connect with the footrest frame.
6. Add another washer on the inside of footrest frame and secure it with lock hex nut.
7. Attach the caster back on the chair.

## II. PRODUCT SPECIFICATIONS



	Aisle-Lite	SkyMaster
<b>Model Number</b>	8040 (For use on jet, aircraft, railways, etc.)	9000 Transfer chair for ADA compliance (For use on board jet, aircraft)
<b>Wheelbase Width</b>	14.5"	16"
<b>Product Weight</b>	26 lbs. (11.8 kg)	16.7 lbs. (7.6 kg)
<b>Product Dimension</b>	31"L x 14.5"W x 53"H (79 cm x 37 cm x 135 cm)	30"L x 16"W x 33.5"H (76 cm x 41 cm x 85 cm)  Folded dimension: 39"L x 16"W x 8"H (99 cm x 41 cm x 20 cm)
<b>Weight Capacity</b>	400 lbs. (181.4 kg)	300 lbs. (136 kg)



### III. PROPER USE

**The transfer chair should be used as indicated in this booklet. Failure to do so increases the likelihood of serious injury.**

**Do not alter or substitute any non supplied part or component of the transfer chair including wheels, axles, brakes, and cables.**

#### BRAKE OPERATION

To release the brake, pull on brake lever located on push bar.

To activate the brake, release brake lever.

#### ARMRESTS

Flip the nearside armrest up when transferring a passenger to your chair. Your passenger may use the far side armrest as a support bar during transfer. If passenger is slender enough, lower both armrests after passenger is seated. For broad passengers, leave armrests pivoted up.

#### SAFETY BELT USE AND STORAGE

The chair has four safety belts, two criss-cross chest belts, one thigh belt, and one ankle belt (the Aisle-Lite #8040 does not have a thigh belt). Use these belts for safety. Tighten the belts as necessary to ensure passenger is securely positioned. NEVER move an occupied chair without the passenger being secured with the safety belts. When the chair is unoccupied, keep the belts buckled so they do not drag on the ground. The thigh belt has a stowage clip on the rear of the frame. This clip keeps the thigh belt from dragging when not in use.

#### FOLDING OPERATION

To fold the chair, pull upwards on the front of the seat. The chair will fold fully. Once completely folded, attach the locking hook to the metal bar on the base of the chair. This locking mechanism ensures the chair will not open unexpectedly.

To unfold the chair, unwrap the restraint belts securing the folded seat section against the back of the chair. Push down on the front lip of the seat to unfold. Flip up the rear push handle and flip the footrest down.

### VI.

#### Push Handle

1. Unscrew the locking hex nut (A) and buttonhead bolt (B) to detach the old push handle from the chair.
2. Attach the new push handle to the chair with buttonhead bolt (B) and plastic washer (C) in between the push handle and the chair frame.
3. Insert metal washer (D) and the locking hex nut (A), fasten to secure the push handle.

#### Armrests

1. Remove the old armrest by unscrewing the locking hex nut (E), then remove all the hardware to free the armrest from the chair.
2. Attach the new armrest by inserting 2 plastic washers (F) in between the armrest and the chair.
3. Fasten buttonhead bolt (G) with a plastic washer to attach the armrest to the chair; secure it by adding metal washer (H) and locking hex nut (E) to the end.

#### Seat Rest Bar

1. Unscrew buttonhead bolts (I) on both side to free the bar from the chair.
2. Slide the bar out from the folding hinge bar.

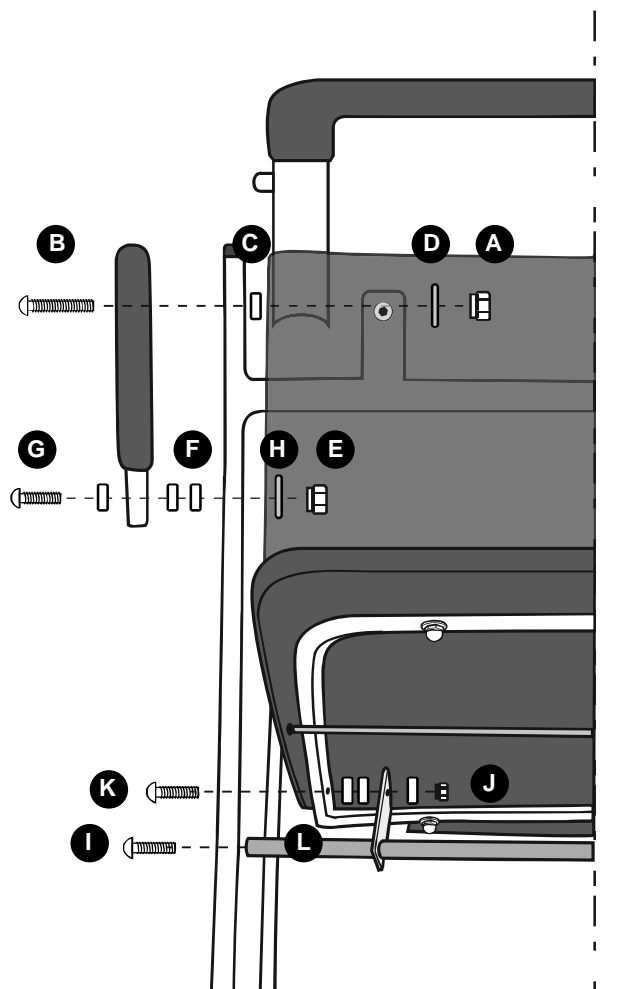
#### Folding Hinge Bar - Seat

1. Unscrew hex nuts (J) from underneath the seat frame. Remove buttonhead bolts (K).
2. Remove the Seat Rest Bar, L (see Seat Rest Bar instruction).
3. Slide new hinge bar on each side of the seat rest bar.
4. Assemble seat rest bar (L) back on the chair by fastening the buttonhead bolts (I) on both sides.
5. Attach the hinge bars on seat frame and fasten it with buttonhead bolts (K) and hex nuts (J).

NOTE: Regular cleaning will reveal loose or worn parts and enhance the smooth operation of your aisle chair. To operate properly and safely, the aisle chair **MUST** be cared for just like any other vehicle. Routine maintenance will extend the life, efficiency, and maintain safe operation of the aisle chair. Keep metal parts dry to prevent deterioration of the finish.

### INSPECT/ADJUST ANNUALLY

- ☐ Ensure aisle chair rolls straight.
- ☐ Ensure arms are secure but easy to release and adjustment levers engage properly.
- ☐ Ensure adjustable height arms operate and lock securely.
- ☐ Ensure armrest upholstery has no rips.
- ☐ Ensure armrest pad sits flush against arm tube.
- ☐ Ensure hand grips are not loose.
- ☐ Ensure seat, back and/or arm upholstery have no rips.
- ☐ Ensure trigger release lever cables and handles return when released.
- ☐ Ensure there is no excessive side movement or binding when drive wheels are lifted and spun.
- ☐ Ensure sealed bearings and axle nut tension are correct.
- ☐ Adjust bearing system if wheel wobbles noticeably or binds to a stop.
- ☐ Ensure wheel/fork assembly has proper tension when caster is spun. Caster should come to a gradual stop.
- ☐ Loosen/tighten caster locknut if wheel wobbles noticeably or binds to a stop.
- ☐ Ensure all caster/wheel/fork/headtube fasteners are secure.
- ☐ Ensure that casters are free of debris.
- ☐ Ensure wheel locks do not interfere with tires when rolling.
- ☐ Ensure wheel lock pivot points are free of wear and looseness.
- ☐ Ensure wheel locks are easy to engage.
- ☐ Inspect tires for flat spots and wear.
- ☐ Check that all labels are present and legible. Replace if necessary.



## IV.

### INSPECT/ADJUST BEFORE EVERY USE

- Inspect the general condition of the chair. Check for misalignment or binding of moving parts, cracked or broken parts, and any other conditions that may affect its safe operation.
- If noise or vibration occurs, have the problem corrected before further use.
- Inspect wheels and spokes for cracks. If found, have them replaced before further use. Wheels must be replaced in pair to maintain safe operation of braking system.

### INSPECT/ADJUST WEEKLY

- Ensure wheelchair rolls straight (no excessive drag or pull to one side).
- Ensure hand grips are not loose.
- Ensure wheel/fork assembly has proper tension when caster is spun. Caster should come to a gradual stop.
- Ensure all caster/wheel/fork/headtube fasteners are secure.
- Ensure that casters are free of debris.
- Inspect tires.

### INSPECT/ADJUST MONTHLY

- Ensure sealed bearings and axle nut tension are correct.
- Ensure there is no excessive side movement or binding when drive wheels are lifted and spun.
- Adjust bearing system if wheel wobbles noticeably or binds to a stop.
- Inspect tires for flat spots and wear.
- Ensure wheel locks do not interfere with tires when rolling.
- Ensure wheel lock pivot points are free of wear and looseness.
- Ensure wheel locks are easy to engage.
- Inspect axles to ensure they are free from dirt, lint, etc.
- Inspect tilt slides and roller bearings to ensure they are free from dirt, lint, etc.
- Inspect seat positioning strap for any signs of wear. Ensure buckle latches. Verify hardware that attaches strap to frame is secure and undamaged. Replace if necessary.
- Inspect tires

## VI. PART REPLACEMENT INSTRUCTIONS

### ABS Seat

1. Unscrew hex cap nuts (A) and metal washers (B) underneath the seat.
2. Remove flathead bolts (C) on top of the seat and replace the seat with the new one.
3. Fasten new flathead bolts (C) on the seat making sure that the bolts go through metal frame and lap belt underneath.
4. Fasten new washers (B) and hex cap nuts (A) back to secure the seat.

### ABS Back Support

1. Unscrew all four hex cap nuts (D) on the back of the back support, then remove flathead bolts (E) in the front.
2. Line up the holes on the new back support with the holes on the metal frame, fasten new flathead bolts (E) all the way.
3. Tighten bolts with provided hex cap nuts (D) on the back side of the back support.

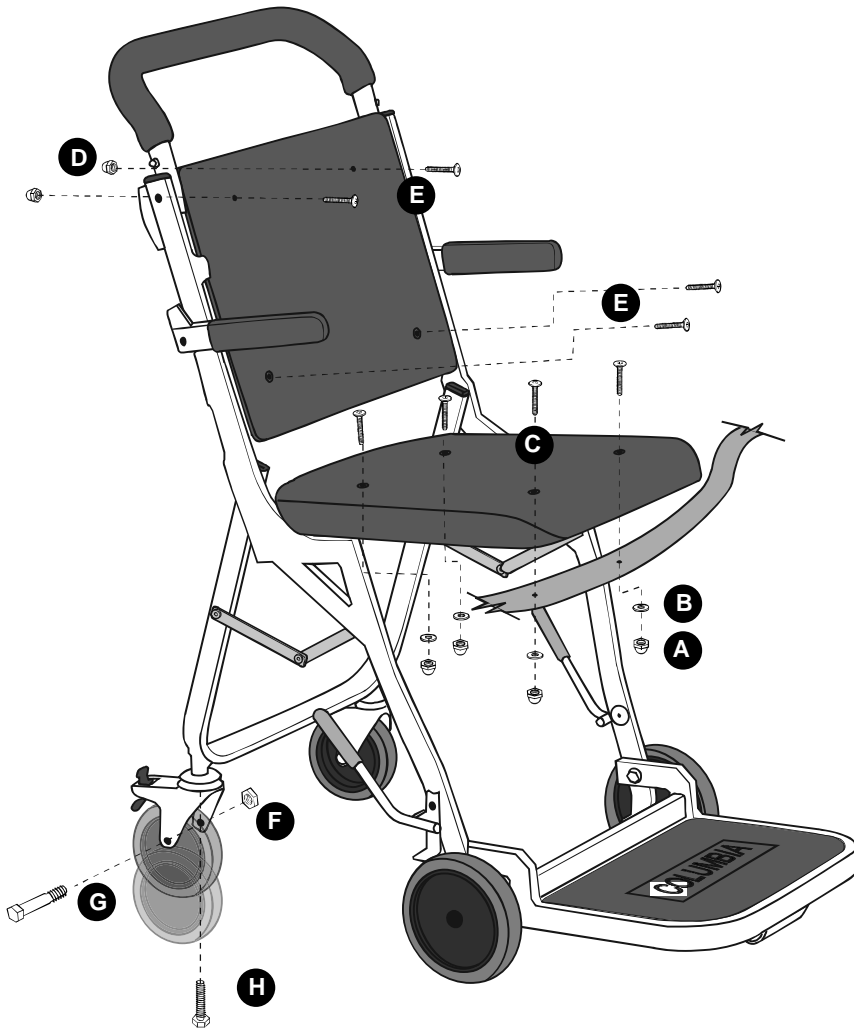
### Lap Belt

1. Unscrew hex cap nuts (A) and metal washers (B) underneath the seat.
2. Remove the old lap belt and replace with the new one by lining the holes on the belt with holes on metal frame.
3. Fasten new washers (B) and hex cap nuts (A) back to secure the seat.

### Rear Casters

1. Unscrew locking hex nut (F) on the inside of the caster.
2. Remove hex screw (G) from the wheel and let the wheel slide off the caster frame.
3. Unscrew hex bolt (H) inside the caster to free the caster from metal frame.
4. On the new caster, remove the wheel from its metal frame by unscrewing the hex screw (G).
5. Fasten the caster frame onto the chair metal frame with hex bolt (H).
6. Assemble the wheel back on the caster frame with the hex screw (G).
7. Fasten the locking hex nut (F) back to secure the caster.

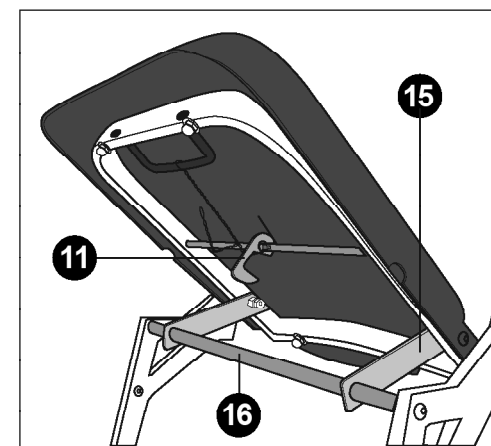
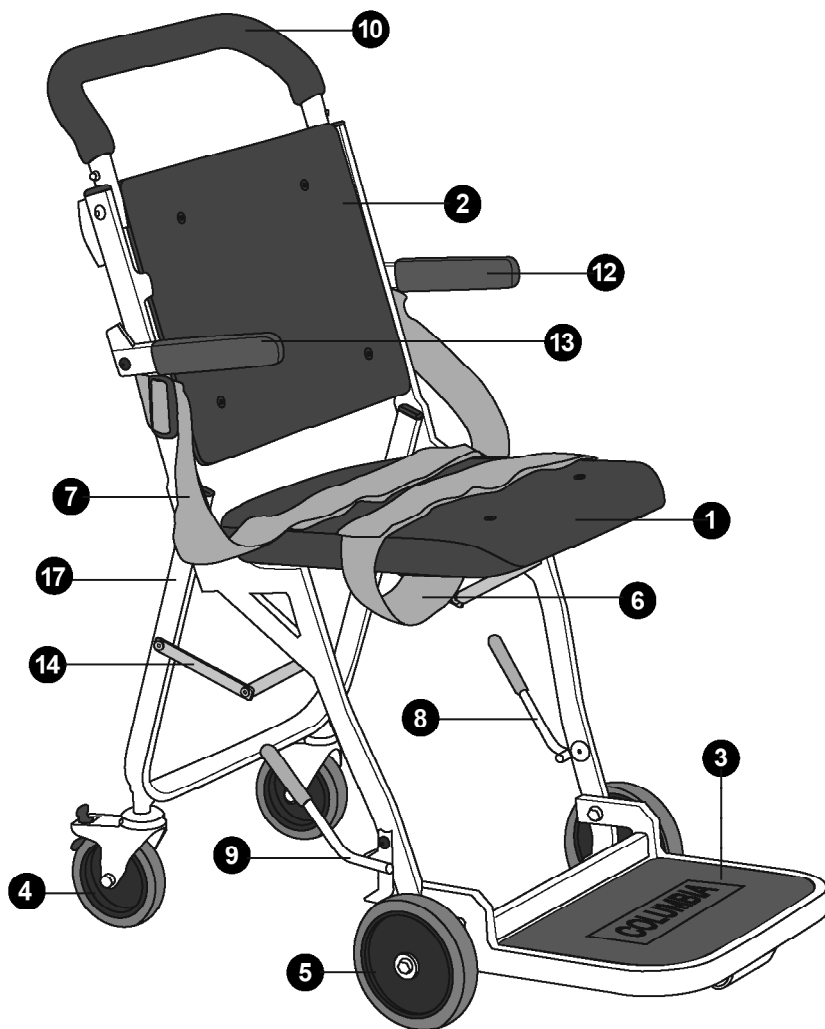




#### INSPECT/ADJUST PERIODICALLY

- ☐ Ensure arms are secure but easy to release and adjustment levers engage properly.
- ☐ Ensure that casters are free of debris.
- ☐ Ensure armrest upholstery has no rips.
- ☐ Ensure armrest pad sits flush against arm tube.
- ☐ Ensure trigger release lever cables and handles return when released.
- ☐ Ensure sealed bearings and axle nut tension are correct.
- ☐ Inspect handrims for signs of rough edges or peeling finish.
- ☐ Clean your chair with liquid soaps and household cleaners, then wax all parts.
- ☐ Check that all labels are present and legible. Replace if necessary.
- ☐ Lubricate moving parts (hinge points and wheel axles). Use oil or WD-40 lubricant.
- ☐ Inspect tires for flat spots, wear, and cracks in the rim or spoke.

## V. SCHEMATIC



#	Part #	Description
1	9000P-01	ABS Seat
2	9000P-02	ABS Back
3	9000P-03	ABS Footrest & Frame
4	9000P-04	Rear Casters - pair
5	9000P-05	Front Casters - pair
6	9000P-06	Lap Belt
7	9000P-07	Chest Belt
8	9000P-08	Wheel Lock Lever - Left
9	9000P-09	Wheel Lock Lever - Right
10	9000P-10	Push Handle with Foam
11	9000P-11	Seat Latch Mechanism
12	9000P-12	Armrest with Foam - Left
13	9000P-13	Armrest with Foam - Right
14	9000P-14	Hinge Assembly Main Frame
15	9000P-15	Folding Hinge Bar - Seat
16	9000P-16	Seat Rest Bar
17	9000P-17	Frame Assembly