



STELLAR IMPACT

MANUAL TILT WHEELCHAIR

Owner's Operational and Maintenance Manual Addendum

DEALER

This manual must be given to the user of the wheelchair.

USER

Before using this wheelchair, read this entire manual and save for future reference.

For more information regarding PDG products, parts & service, please visit www.pdgmobility.com





WARNING

Do not operate this equipment without first reading and understanding this manual addendum and the original stellar series manual. If you are unable to understand the warnings and instructions, contact a health care professional such as a doctor or therapist who is familiar with this type of product before attempting to use this equipment. Otherwise, injury or damage may result. Refer to this manual addendum and the original manual regularly for maximum safety and performance.

NOTE – THE INFORMATION IN THIS DOCUMENT IS SUPPLEMENTAL TO THE STELLAR SERIES OWNER'S OPERATION AND MAINTENANCE MANUAL. PLEASE READ BOTH DOCUMENTS BEFORE USE.

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STANDARD FEATURES



- | | | |
|---|------------------|---------------------|
| 1 Removable Armrest | 6 Front Caster | 11 Rear Axle Bolt |
| 2 Wheel Lock | 7 Tilt Activator | 12 Lower Frame |
| 3 Gas Strut Assembly
(Yellow Spring) | 8 Rear Wheel | 13 Upper Seat Frame |
| 4 Front Rigging | 9 Push Handle | 14 Seat Cushion |
| 5 Foot Plate | 10 Back Rest | |

MAINTENANCE: FINE TUNING THE FIT

Adjustment Guide

The following instructions are intended to provide assistance in making wheelchair adjustments for the Stellar Impact which are not covered in the original “Stellar Series Owner’s Operation and Maintenance Manual”.

It is important to note the initial wheelchair configuration prior to making changes. When making changes, dealers and users should do so under the guidance of a health care professional who is knowledgeable of the particular limitation of the wheelchair user. Be sure that when finished, all components are properly tightened and have been completed in accordance with these instructions. DO NOT over tighten hardware attaching to the frame. This could cause damage to the frame tubing.

Tools Required

Philips Screw Driver

Adjustable or Open End Wrench 1/8" 5/32" 3/16"

Adjustable or Open End Wrench 7/16" 1/2" 9/16"

Socket Head Driver with Socket Heads..... 9/16" 3/4"

PROCEDURE 6: SEAT-TO-FLOOR HEIGHT

This Procedure includes the following:

- Adjusting Seat to Floor Height (Stellar Impact).

Warning — After making Adjustments, always make sure that parts are properly replaced and tightened BEFORE using the wheelchair

Adjusting Seat to Floor Height

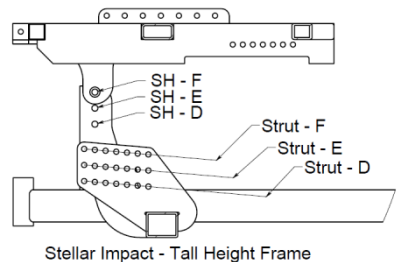
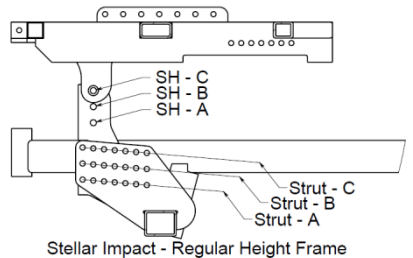
Stellar Impact

The seat to floor height on the Stellar Impact can be adjusted from 14" to 21" depending on lower frame type, front caster and rear wheel combinations.

Refer to the Stellar Impact specification sheet for different seat height/front caster/rear wheel combinations.

Wheel Height	12"	16"	20"	22"	24"
14"	SH-A		SH-A		
15"	SH-B		SH-B	SH-A	
16"	SH-C	SH-A	SH-C	SH-B	SH-A
17"	SH-D	SH-B	SH-D	SH-C	SH-B
18"	SH-E	SH-C	SH-E	SH-D	SH-C
19"	SH-F	SH-D	SH-F	SH-E	SH-D
20"		SH-E		SH-F	SH-E
21"		SH-F			SH-F

- 1 Remove the pivot bolts that attach the upper seat frame to the lower base frame, these are two socket head shoulder bolts located on the outside of the seat pan assembly (one screw on each side). These two screws attach the Seat Frame to the Base Frame and also act at the pivot point when the seat is tilted.
- 2 Reposition the Seat Frame to the desired elevation. There are three elevation choices for each lower frame type.
- 3 Remove the hex socket head screw bolt located on the Base Frame, which connects the lower end of the gas strut assembly to the Base Frame.
- 4 Reposition the lower end of the Gas Strut Assembly (Strut-A, B, C, D, E or F) to the elevation hole corresponding to the selected seat elevation (SH-A, B, C, D, E or F).
- 5 Install and tighten all appropriate nuts.
- 6 Test the wheelchair to ensure the seat pan can be positioned approximately level when the gas strut is fully extended. Check to ensure all fasteners and nuts are assembled securely



PROCEDURE 9: TILT LIMITER

TILT LIMITER

This Procedure includes the following:

- Adjusting the Tilt Limiter (Stellar Impact)

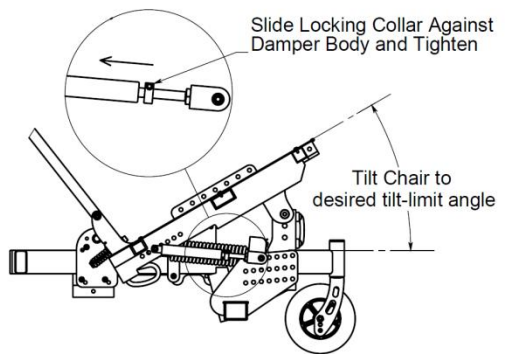
Warning — After making Adjustments, always make sure that parts are properly tightened BEFORE using the wheelchair.

Adjusting the tilt limiter

Stellar Impact only

The Stellar Impact tilt range comes factory set at 0° to 45°. The upper limit of tilt can be set continuously along this range.

- 1 The tilt limiting collar is located on the damping strut adjacent to the tilting strut. Moving this collar along the length of the damping strut shaft will limit the maximum posterior tilt of the chair.
- 2 Loosen the bolt on the collar to allow the collar to slide freely along the damping strut shaft
- 3 Place the chair at the desired maximum tilt angle.
- 4 Slide the collar against the damper body and tighten it securely.



PROCEDURE 10: MOTOR VEHICLE USE

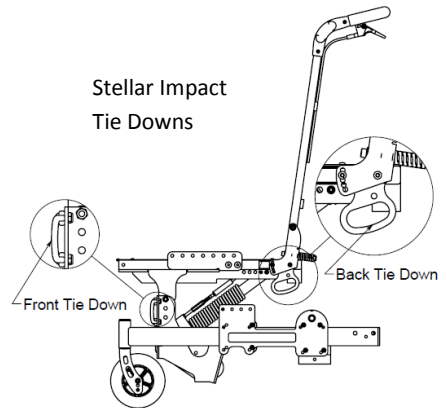
WARNING — Identify whether your chair has been manufactured with the Transit Tie-Down System (TTDS).

If your chair is NOT equipped with the Transit Tie-Down System (TTDS), this wheelchair DOES NOT meet federal standards for motor vehicle seating.

- 1 NEVER let anyone sit in this chair while in a moving vehicle.
- 2 ALWAYS secure the rider with proper vehicle restraints. In an accident or sudden stop the rider may be thrown from the chair. Wheelchair seatbelts will not prevent this and further injury may result from the belts or straps.
- 3 NEVER transport this chair in the front seat of a vehicle. It may shift and interfere with the driver.
- 4 ALWAYS secure this chair so that it cannot roll or shift.
- 5 Do not use any chair that has been involved in a motor vehicle accident.

If your chair is equipped with the Transit Tie-Down System (TTDS)

- 1 If possible and feasible, the rider should transfer to the Original Equipment Manufacturer vehicle seat and use the vehicle restraint.
- 2 Use only Wheelchair Tie Down and Occupant Restraint Systems (WTORS) which meet the requirements of SAE J2249 Recommended Practice – Wheelchair Tie Down and Occupant Restraint Systems for Use in Motor Vehicles. Do not use WTORS designed to rely on the wheelchair structure to transfer occupant restraint loads to the vehicle.
- 3 The rider must not weigh more than 250 lbs.
- 4 The wheelchair has been dynamically tested in a forward-facing mode for a 30 mph frontal impact test. The wheelchair must be forward facing during transport.
- 5 In order to reduce the potential of injury to vehicle occupants, wheelchair-mounted accessories, such as trays and respiratory equipment should be removed and secured separately.
- 6 Postural supports and positioning devices should not be relied on for occupant restraint.
- 7 Do not alter or substitute wheelchair frame parts, components or seating.
- 8 The figures below show the locations of the wheelchair securement points, front and back.



- 9 Use only with Wheelchair Tie Down and Occupant Restraint Systems (WTORS) that have been installed in accordance with the manufacturer's instructions and SAE J2249.
- 10 Attach WTORS to securement points in accordance with the manufacturer's instructions and SAE J2249.
- 11 Attach occupant restraints in accordance with the manufacturer's instructions and SAE J2249.
- 12 Sudden stops or impacts can structurally damage your chair. Chairs involved in such incidents should be replaced.

If you fail to heed these warnings, damage to your chair, a fall, tip-overs or loss of control may occur and cause severe injury to the rider or others.



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