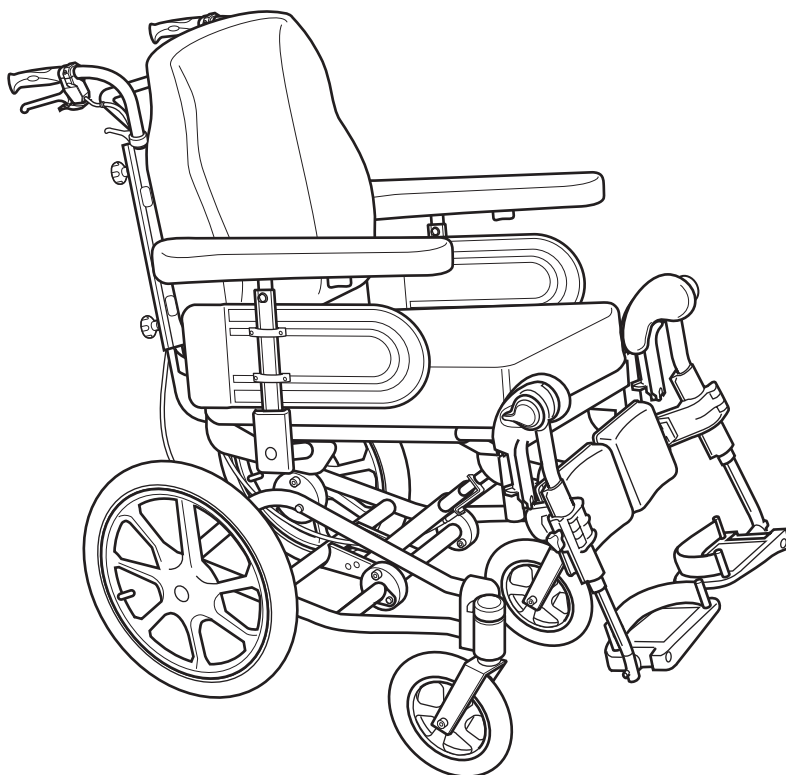




Rea<sup>®</sup> **Assist**  
*Service manual*

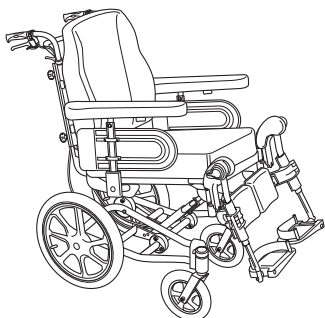


English

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## Product description REA<sup>©</sup> Assist



**Rea<sup>®</sup> Assist** is the perfect choice for passive users, because it is comfortable to sit in and provides proper support. Of course when developing this chair, we also took into consideration the needs of the carer. The improved Invacare<sup>®</sup> Flex2 seat can be adapted to the individual and offers stable and comfortable seating positions and user activities.

Rea<sup>®</sup> Assist makes sure that users who need to sit for long periods of time in the wheelchair can feel comfortable. The adjustable seating system adjusts both the width and the seat depth and comes with specially designed cushions and armrest pads that offer good support and are suitable for most users. Extra comfort and peace of mind are obtained by increasing the user's body contact with the wheelchair cushions. The deeply contoured backrest cushion provides excellent support for the user's back and trunk. The specially designed backrest cushion creates perfect comfort and positioning. To optimise seating needs, Assist has a 20° seat tilt with independent backrest recline of 30°. This allows the user to be both active and relaxed. The seat tilt and backrest recline are operated by a gas spring, which allows the user to easily change their position from active seating to rest. The adjustable head support provides perfect support when adjusting the angle of the backrest.

The backrest attachment has been changed to improve compatibility between Rea<sup>®</sup> Bellis and Rea<sup>®</sup> Assist. The Invacare<sup>®</sup> Flex2 range includes back support, cushions and other kinds of back support, which makes it easier for users to achieve even greater comfort with Invacare's wide range of accessories. Rea<sup>®</sup> Assist's wheels, seat frame, push handles and other components that are subject to strain are made of steel. The legrests and backrest shafts are made of high-quality aluminium. The castor suspension and the jointed sections of the frame are made of polyamide reinforced with fibreglass. The arm rests and backrest casing are made of ABS plastic and steel. There are recycling labels on the plastic details. The backrest plate is made of wood and the upper part is made of plastic. Seat and backrest cushions are made of polyether foam and the upholstery is made of washable plush or elastic polyurethane cloth.

Rea<sup>®</sup> Assist is a carer-operated wheelchair with an angle-adjustable seat unit. The angle of the backrest unit can be adjusted independently of the seat. The controls for the seat and the backrest angle are fitted on the push handles. Rea<sup>®</sup> Assist is available in two seat widths. The seat width, seat depth, backrest height, armrest height, legrest height and legrest width can be adjusted. The rear wheels are 16" with carer-operated brakes, while the castors are 140-200 mm. The wheels can be pneumatic or semi-solid. Brake handles are fitted on the push handles.

The seat and backrest cushions have been designed with the user in mind. They give as much stability and comfort as possible and provide good pressure distribution.

# Washing and disinfection

1. Remove all adjustable, removable covers and wash them in a washing machine. Follow the washing instructions for each article.
2. If the wheelchair is very dirty, we recommend that you remove the backrest and the seat plate to make the chair easier to wash.
3. Rinse the wheelchair with a high-pressure or ordinary jet of water depending on how dirty the chair is. Do not aim the jet towards the bearings and draining holes. If the wheelchair is washed in a washing machine, the water must not be hotter than 60 degrees.
4. Spray the chair with alcohol to disinfect it.
5. Spray the wheelchair with detergent, for example a car-cleaning agent with wax.
6. Leave the detergent to work for a couple of minutes.
7. Rinse the chair with a high-pressure or ordinary jet of water depending on how dirty the chair is. Do not aim the jet directly towards the bearings and draining holes.
8. Check that the chair is clean.
9. Leave the chair to dry in a drying cabinet. Remove parts where water can easily collect. If the chair has been washed in a machine, we recommend that it is also blow-dried using compressed air.
10. Check that the chair is dry and wipe with a cloth if necessary. Also check that all labels are readable; if they are not, replace them. (e.g. tilting labels, stickers for transport attachment points, etc.)
11. If the chair is not very dirty, you can just spray it with alcohol and wipe it dry with a cloth.
12. The wheelchair is now ready for reconditioning. Sign your name to confirm that the chair is clean.

## **Dartex**

Superficial dirt can be removed by wiping it with a soft cloth moistened with water and detergent. For heavier dirt and where there is a risk of contamination, first wipe with alcohol, and then with warm water and detergent. Special disinfectants may be used provided that the manufacturer's instructions are followed. The covers can be washed in a machine at 60 degrees.

# Reconditioning

We recommend that all movable parts are lubricated with a dry teflon-based spray, e.g. Viso 900-B5, if they stick or squeak.

**Screws and nuts:** Check that all screws and nuts are tight. Screws and nuts should be retightened periodically, as they can loosen over time. Screws which are removed completely, should be replaced with new ones, especially locking nuts, as they lose some of their locking features if removed. Contact Invacare for information regarding spareparts.

**Chassis:** All parts must be checked for cracks or any other damage. Pay special attention to areas close to welds. If any damage is discovered, the part must be completely replaced.

**Covers:** If a cover is torn, we recommend that it be replaced.

**Seat/backrest angle:** Check this function by changing the angle of the backrest and the seat through the lowest to the highest settings using the backrest controls. If you cannot tilt the seat or angle the backrest, start by adjusting the wire next to the gas piston holder. If this does not help, you need to replace the gas spring. Also check at a middle setting and make sure the piston locks correctly. Please note: The gas spring must not be opened – it contains gas and oil at very high pressure.

**Backrest:** Check that the backrest is firmly in place and that the knobs are secure on the backrest.

**Push handles/push bar:** Check that the push handles/pushbar are stable when adjusting the height, that the push handles are firmly secured by the knobs, that the rubber on the handle is intact and that the handle feels sturdy. If not, you need to reglue them. If they are defective, they should be replaced for safety reasons. Also check that all tilt labels are readable; if they are not, replace them.

**Armrest:** Check that the functions work, remove and put back the armrest, adjust the height and depth of the armrest plate. If the armrest cover is torn, we recommend that it be replaced with a new one.

**Legrest:** Check that the functions work, remove and put back the legrest, adjust the height of the footplate, adjust the height and depth of the calf support, and check the angle settings of the footplate. If the calf plate is broken, we recommend that it be replaced.

**Anti-tip device:** Check that the anti-tip device is easy to raise and lower, and that the screws holding the anti-tip device in place are flexible and can lock.

**Rear wheels:** Check that the rear wheels' screws are tight. Check that the chair brakes; if not, the wire can be adjusted in two places – near the handle at the top or close to the wheel hub at the bottom. Also check that the wire cover has not split; if it has, it needs to be replaced. Tighten the wire until the brake is functioning effectively. If the rear wheels are pneumatic, check their pressure and pump them. The correct air pressure is stated on the tyres. If they are solid, check for cracks and see whether they need to be replaced.

**Castors:** Remove the castors and clean any hair or other dirt from the castor forks and wheels. Reassemble the castor and check that it turns and rotates easily. Check that the whole castor can be removed and put back on again. If it is too loose, it could mean that the bearing is worn, so we recommend replacing the bearing. If the castors are pneumatic, check their pressure and pump them. The correct air pressure is stated on the tyre. If the castors are solid, check for cracks and see whether they need to be replaced.

**Tools:** Check that the Allen key is in place on the backrest shell, or on the backrest cushion in newer models.

# Accessories

We recommend that all movable parts are lubricated with a dry teflon-based spray, e.g. Viso 900-B5, if they stick or squeak.

**Screws and nuts:** Check that all screws and nuts are tight. Screws and nuts should be retightened periodically, as they can loosen over time. Screws which are removed completely, should be replaced with new ones, especially locking nuts, as they lose some of their locking features if removed. Contact Invacare for information regarding spareparts.

**Neck and jaw support:** Check that the side and angle adjustment of the 'wings' work. Also check that the memory function works. (after 2005)

**Head support:** Check that the side adjustment works and that there is a memory function. (after 2005)

**Multi-functional trunk support from 2005:** Check that the angle adjustment works and that there is a memory function.

**Sliding seat:** Check that the sliding function works and that the stop function under the seat is in place.

**Abduction cushion:** Check that the depth adjustment works. (before 2005)

**Table tray:** When taking the table tray on and off, it is much easier to try to find the thread using a screw before fastening them with your tools. This spares threading.

# CHECK LIST

	OK	NOTE	SIGN
<b>WASHING</b>			
<b>RECONDITIONING:</b>			
Screws and nuts			
Chassis			
Push handles			
Backrest covers			
Seat covers			
Backrest			
Backrest support			
Backrest recline			
Backrest folding			
Comfort backrest			
Seat			
Sideguards/armrests			
Foot plates			
Legrests			
Anti-tip device			
Tilting			
Rubber handle			
Rear wheel attachment			
Rear wheel			
Castors			
Block brake			
Angle-adjustable castor housing			
Carer-operated brake			
Tools			
<b>TEST DRIVE:</b>			
Chair rolls in a straight line			
Easy to propel			
<b>DELIVERY CHECK:</b>			
Include a manual			





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