

VERMEIREN

Maintenance manual
Manual Wheelchair





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1 Maintenance

Lifetime of the wheelchair is influenced by its use, storage, regular maintenance, servicing and cleaning.

1.1 Regular Maintenance

The maintenance activities to ensure a good condition for your Vermeiren wheelchair are described below:

- Before every ride
 - Check the tyres and make them clean. If necessary change the tire.
 - Check the tyre pressure, if necessary pump it up (only for air tyres).
 - Check screw fastenings, levers, adjusting buttons are secured.
 - Check the brakes and adjusted if necessary.
 - Check the wheelchair (cleanliness, cracks, damage on structural parts ...) and make it clean. If necessary change the coating.
- Every 8 weeks: inspection and possibly lubricating or adjusting from
 - Armrests or splash guards
 - Footrests or footbracket
 - Brake lever
 - Wheel axles
 - Backrest adjusting system (For wheelchairs with backrest inclination)
 - Other adjusting systems
- Every year or for every new user
 - General review
 - Disinfection
 - Frontwheels, possibly clean bearings

For your convenience, on the back of this manual is a maintenance plan.

Repairing and assembling of spare parts for your wheelchair may only be performed by the specialist dealer.

Only authorized Vermeiren spare parts may be installed.

1.2 Shipping and storage

The shipping and storage of the wheelchair shall be according following instructions:

- Store in a dry place (between +5 °C and +41 °C).
- The relative humidity of the air should be between 30% and 70%.
- Provide sufficient covering or packaging to protect the wheelchair from rust and foreign bodies. (e.g. salt water, sea air, sand, dust).
- Store all removed parts together in one place (or mark them if necessary) to avoid mixing up with other products when re-assembling.
- Components must be stored without being subjected to strains (Do not put too heavy parts on the wheelchair, not clamping between something, ...).

1.3 Care

1.3.1 Seat and back cushion

The cleaning of the seat and back cushion shall be according:

- Clean seat and back with a cloth moistened with warm water. Be aware that you do not soak the seat and back cushion.
- Use a mild commercial detergent for removing stubborn dirt.
- Stains can be removed by using a sponge or a soft brush.
- Do not use strong cleaning liquids like solvents, nor use hard brushes, sharp-edged objects.
- Never clean with steam and/or pressure washers.

1.3.2 Plastic parts

Clean plastic parts of your wheelchair with commercial plastic cleaners. Please comply with special product information. Only use a soft brush or soft sponge. Examples of plastic parts are the armpads / splash guards, footplates, handgrips, tyres and

1.3.3 Coating

The high quality of the surface layer guarantees optimal protection against corrosion. If the outer coat is damaged by scratching or in some other way, get your specialist dealer to repair the affected surface.

When cleaning, only use warm water and normal household detergents and soft brushes and cloths. Ensure that no wetness gets into the tubes.

Initially the zinc parts only require rubbing with a dry cloth. Stubborn dirt can best be removed by using a suitable commercial zinc polish.

1.4 Inspection

In principle we recommend one inspection every year, and a minimum of one before usage is resumed. All of the following checks must be performed and documented by authorized persons:

- Check the frame parts and the hinged tubes for plastic deformation, cracks and impaired functioning.
- Visually check for damage to the paintwork (danger of corrosion).
- Check the operation of the wheels (free running, level rolling, axle play, tyres, profile, condition of the rims, air pressure in the case of air tyres, floating axles, etc.).
- Check the solidity and seating of all screws.
- Verify the amount of grease on the metal joints of movable parts.
- The condition and security of the guides and axles of the steering wheels.
- Visually check all plastic parts for cracks and brittle spots.
- Check the functioning of the armrests / splash guards and footrests (locking, load, deformation, wear and tear caused by loads, adjustment levers).
- Check the functioning of all adjusting mechanisms, levers and adjusting screws.
- Check the operation of other detachable parts (example: anti-tipping, personal safety belt, fitting back/seat, etc.).
- Functional testing of the cables (kinks, foreign parts penetration), levers and adjusters. If necessary, adjustment of the steel wire cables over the screws at their respective ends (For the wheelchairs where cables are available).
- Check functioning of the gas pressure spring (synchronized, deformation, oiled) (For wheelchairs where a gas pressure spring is available).

- Check backrest inclination system (For wheelchairs were inclination of the backrest is possible).
- Completeness of the delivery condition, instruction manual available?

The service must only be signed off in the maintenance plan if a minimum of all the above-mentioned aspects have been checked.

1.5 Disinfection

- ⚠ WARNING: Dangerous Products - The use of disinfectants is restricted to authorized personnel.**
- ⚠ WARNING: Dangerous Products, change on irritate your skin - You should wear suitable protective clothing because the disinfectants could irritate your skin. For this purpose you should also take note of the product information of the solutions concerned.**

All parts of the wheelchair can be treated by scrubbing with a disinfectant.

All steps taken to disinfect rehabilitation equipment, their components or other accessory parts are to be recorded in a disinfection report containing a minimum of the following information (with product documentation appended):

Date of the disinfection	Reason	Specification	Substance and concentration	Signature
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Table 1: Example of a disinfection book

Abbreviations used in column 2 (reason):

V = Suspected infection IF = Infection case W = Repetition I = Inspection

For a blank sheet of a disinfection book see § 6.

The recommended disinfectants for scrubbing (based on the list provided by the Robert Koch Institute, RKI) are standing in the table below. The current state of the disinfectants included in the RKI list can be obtained from the Robert Koch Institute (RKI) (homepage: www.rki.de).

Active substance	Product name	Laundry disinfection		Surface disinfection (scrubbing-/wiping disinfection)		Disinfection of excretions 1 part sputum or stools + 2 parts diluted solution or 1 part urine + 1 part diluted solution						Area of effectiveness	Manufacturer or Supplier
		Diluted solution	Time to take effect	Diluted solution	Time to take effect	Sputum		Stools		Urine			
						%	Hr.	%	Hr.	%	Hr.		
Phenol or phenol derivative	Amocid	1	12	5	6	5	4	5	6	5	2	A	Lysoform
	Gevisol	0,5	12	5	4	5	4	5	6	5	2	A	Schülke & Mayr
	Helipur			6	4	6	4	6	6	6	2	A	B. Braun
	m-cresylic soap solution (DAB 6)	1	12	5	4							A	
	Phenol	1	12	3	2							A	
Chlorine, organic or inorganic substances with active chlorine	Chloramin-T DAB 9	1,5	12	2,5	2	5	4					A ¹ B	
	Clorina	1,5	12	2,5	2	5	4					A ¹ B	Lysoform
	Trichlorol	2	12	3	2	6	4					A ¹ B	Lysoform
Per combinations	Apesin AP100 ²			4	4							AB	Tana PROFESSIONAL
	Dismozon pur ²			4	1							AB	Bode Chemie
	Perform ²			3	4							AB	Schülke & Mayr
	Wofesteril ²			2	4							AB	Kesla Pharma

Active substance	Product name	Laundry disinfection		Surface disinfection (scrubbing-/wiping disinfection)		Disinfection of excretions 1 part sputum or stools + 2 parts diluted solution or 1 part urine + 1 part diluted solution						Area of effectiveness	Manufacturer or Supplier
		Diluted solution	Time to take effect	Diluted solution	Time to take effect	Sputum		Stools		Urine			
						%	Hr.	%	Hr.	%	Hr.		
Formaldehyde and/or other aldehydes or derivatives	Aldasan 2000			4	4							AB	Lysoform
	Antifect FD 10			3	4							AB	Schülke & Mayr
	Antiseptica surface disinfection 7			3	6							AB	Antiseptica
	Apesin AP30			5	4							A	Tana PROFESSIONAL
	Bacillocid special			6	4							AB	Bode Chemie
	Buraton 10F			3	4							AB	Schülke & Mayr
	Desomed A 2000			3	6							AB	Desomed
	Hospital disinfectant cleaner			8	6							AB	Dreiturm
	Desomed Perfekt			7	4							AB ⁺	Desomed
	Formaldehyde-solution (DAB 10), (formaline)	1,5	12	3	4							AB	
	Incidin Perfekt	1	12	3	4							AB	Ecolab
	Incidin Plus			8	6							A	Ecolab
	Kohrsolin	2	12	3	4							AB	Bode Chemie
	Lysoform	4	12	5	6							AB	Lysoform
	Lysoformin	3	12	5	6							AB	Lysoform
	Lysoformin 2000			4	6							AB	Lysoform
	Melsept	2	12	4	6							AB	B. Braun
	Melsitt	4	12	10	4							AB	B. Braun
	Minutil	2	12	6	4							AB	Ecolab
	Multidor			3	6							AB	Ecolab
Nüscosept			5	4							AB	Dr. Nüsken Chemie	
Optisept			7	4							AB ⁺	Dr. Schumacher	
Pursept-FD			7	4							AB ⁺	Merz	
Ultrasol F	3	12	5	4							AB	Fresenius Kabi	
Amphoteric surfactants (amfotensiden)	Tensodur 103	2	12									A	MFH Marienfelde
Lye	Lime-milk ³							20	6			A ³ B	

1 Not effective against myco-bacteria when service disinfecting, especially in the presence of blood.
2 Not suitable for disinfecting blood-contaminated or porous surfaces (e.g. raw wood).
3 Useless for tuberculosis; preparation of Lime-milk: 1 part dissolved lime (calcium hydroxide) + 3 parts water.
* Checked for effectiveness on viruses in accordance with checking methods of the RKI (Federal Health Reporting 38 (1995) 242).
A: Suitable for killing vegetative bacterial germs including myco-bacteria as well as fungi, including fungal spores.
B: Suitable for deactivating viruses.

Table 2: Disinfectants

Kindly consult your specialist dealer if you have queries on matters related to disinfection; he will gladly assist you.

2 Guarantee

Excerpt from the "General Business Conditions":

(...)

5. The terms of the guarantee may differ from country to country. Consult your specialist dealer for the guarantee period for warranty claims.

(...)

-For the correct warranty period of the frame and cross-hinge refer to the specialist dealer.

The guarantee excludes damage arising from structural changes to our products, insufficient maintenance, defective or improper handling or storage or the use of non-original parts. Likewise, the guarantee excludes parts or working parts subject to natural wear and tear.

(...)

3 Disposal

When disposing of the wheelchair, contact your local disposal centre or return the product to your specialist dealer who, after submitting it to a hygienic procedure, will be able to send it back to the manufacturer who will dispose of and recycle it correctly, separating it into its component materials.

Packaging materials can be taken to disposal or recycling centers or to your specialist dealer.

4 Declaration of conformity

The manufacturer or his authorized representative :

N.V. VERMEIREN N.V

Address :

Vermeirenplein 1/15
2920 Kalmthout
Belgium

declares under his sole responsibility that the CE marked medical devices :

Productgroup:	Manual wheelchairs
Brand:	Vermeiren
Type:	All manual wheelchairs

have been classified as class I, according to annex IX MDD 93/42/EEC, rule 1,

and is manufactured in full conformity with the European instructions below - including the latest modifications - and with the national law, that organizes this directions :

Medical devices directive MDD 93/42/EEC: 2007

and is in conformity with the relevant European harmonized standards:

EN 12182: 2012, EN 12183: 2009



5 Maintenance plan

Date	Maintenance	Remarks	Paraph
1/1/2015	<i>Greasing and general servicing</i>	<i>non</i>	

6 Disinfection book

Date of the disinfection	Reason	Specification	Substance and concentration	Signature

Abbreviations used in column 2 (reason):

V = Suspected infection IF = Infection case W = Repetition I = Inspection



SERVICE

The manual wheelchair was serviced:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

- For service checklists an additional technical information, please see our specialist dealers nearest to you. More information on our website at: www.vermeiren.com.

ITALIANO

GARANZIA CONTRATTUALE

La carrozzine manuali sono garantite 5 anni, la carrozzine ultra leggera 4 anni. Le carrozzine elettroniche, tricicli, letti e altri prodotti: 2 anno contro tutti i difetti di costruzione o di materiale (batterie 6 mesi). Multiposizioni 3 anni. Questa garanzia e' limitata alle sostituzione di parti riconosciute difettose.

CONDIZIONI

Per far valere la garanzia, e' necessario indirizzarla al vostro distributore di fiducia che presentera' al produttore il tagliando.

RISERVE

Questa garanzia non potra' essere applicata nei seguenti casi:

- danno dovuto al cattivo ed improprio utilizzo della carrozzina,
- danno subito durante il trasporto,
- incidente o caduta,
- smontaggio, modifica, o riparazione effettuate in proprio,
- usura abituale della carrozzina,
- invio del tagliando di garanzia con la data di acquisto.



VERMEIREN



**GARANTÍA
GARANTIE
WARRANTY
GARANTIE
GARANZIA**

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B

Naam/Nom/Name
Name/Nome

Adres/ Adresse/Address
Adresse/Indirizzo

Woonplaats/Domicile/Home
Wohnort/Citta

E-mail

Artikel/Article/Article
Artikel/Articolo

Reeks nr./N° de série/Serie nr.
Serien-Nr./No. di serie

Aankoopdatum/Date d'achat/Date of purchase
Kaufdatum/Data di acquisto

Stempel verkoper/Timbre du vendeur
Dealer stamp/Händlerstempel
Timbro del rivenditore

A

Nombre/Nom/Name
Name/Nome

Dirección/Adresse/Address
Adresse/Indirizzo

Ciudad/Domicile/Home
Wohnort/Citta

E-mail

Artículo/Article/Article
Artikel/Articolo

Núm. de serie/N° de série/Serie nr.
Serien-Nr./No. di serie

Fecha de adquisición/Date d'achat/Date of purchase
Kaufdatum/Data di acquisto

Sello del distribuidor /Timbre du vendeur
Dealer stamp/Händlerstempel
Timbro del rivenditore

CONTRATO DE GARANTÍA

Garantía de 5 años para sillas de ruedas estándar. Garantía de 4 años para las sillas de ruedas ligeras. Garantía de 2 años para las sillas de ruedas eléctricas, triciclos, cammas y otros productos. (las baterías tienen una garantía de 6 meses). Garantía de 3 años para las sillas de ruedas multi-posición. Esta garantía se limita a la sustitución de las piezas defectuosas o recambios.

CONDICIONES DE APLICACIÓN

Para reclamar esta garantía, debe de entregar a su distribuidor oficial de Vermeiren el apartado "B" de esta tarjeta. La garantía sólo es válida cuando las piezas son sustituidas por Vermeiren Bélgica.

EXCEPCIONES

- Esta garantía no es válida en caso de:
- Daños debidos a un uso incorrecto de la silla de ruedas.
 - Daños durante el transporte.
 - Involucración en un accidente.
 - Desmontaje, modificación o reparación que no haya sido realizada por nuestra compañía y / o distribuidor oficial de Vermeiren.
 - Desgaste normal de la silla de ruedas.
 - Que no se entregue la tarjeta de garantía

GARANTIE CONTRACTUELLE

Les fauteuils manuels standard sont garantis 5 ans, les fauteuils ultra légers 4 ans. Les fauteuils électroniques, tricyclos, lits et d autres produits: 2 ans contre tous vices de construction ou de matériaux (batteries 6 mois).

Cette garantie est expressément limitée au remplacement des éléments ou pièces détachées reconnues défectueuses.

CONDITIONS D'APPLICATION

Pour prétendre à cette garantie, il faut présenter le certificat de garantie que vous avez conservé à votre distributeur Vermeiren. La garantie est uniquement valable au siège de la société.

RESERVES

- Cette garantie ne pourra être appliquée en cas de:
- dommage dû à la mauvaise utilisation du fauteuil,
 - endommagement pendant le transport,
 - accident ou chute,
 - démontage, modification ou réparation fait en dehors de notre société,
 - usure normale du fauteuil,
 - non retour du coupon de garantie.

CONTRACTUAL WARRANTY

We offer 5 years of warranty on standard wheelchairs, lightweight wheelchairs 4 years. Electronic wheelchairs, tricycles, beds and other products: 2 years (batteries 6 months) and multipoition wheelchairs 3 years. This warranty is limited to the replacement of defective or spare parts.

APPLICATION CONDITIONS

In order to claim its warranty, part "B" of this card has to be given to your official Vermeiren dealer. The warranty is only valid when parts are replaced by Vermeiren in Belgium.

EXCEPTIONS

- This warranty is not valid in case of:
- damage due to incorrect usage of the wheelchair,
 - damage during transport,
 - involvement in an accident,
 - a dismount, modification or repair carried outside of our company and/or official Vermeiren dealership,
 - normal wear of the wheelchair,
 - non-return of the warranty card

GARANTIEERKLÄRUNG

Wir garantieren, dass für unsere Rollstühle hochwertige Produkte verwendet werden, die in sorgfältiger Verarbeitung nach dem neuesten Stand der Technik montiert werden. Bevor Ihr Rollstuhl unser Werk verlassen hat, wurde er einer eingehenden Endkontrolle unterzogen, um auch letzte, eventuell vorhandene Mängel aufzuspüren.

Auf Standardrollstühle gewähren wir eine Garantie von 5 Jahren, auf Leichtgewichtrollstühle 4 Jahre, auf elektronische Rollstühle, Dreiräder, Betten und andere Produkte: 2 Jahre (Batterien 6 Monate), auf Multifunktionsrollstühle 3 Jahre.

In dieser Garantie eingeschlossen sind alle Mängel, die auf einen Produkt- oder Verarbeitungsfehler zurückzuführen sind. Dieser Garantie unterliegen keine Schäden aus unsachgemäßer Benutzung. Ebenfalls sind Verschleißteile von der Garantie ausgenommen.

Sollte einmal der Fall eingetreten sein, dass Sie aus berechtigtem Grunde mit Ihrem Rollstuhl unzufrieden sind, so wenden Sie sich bitte unverzüglich an Ihren Fachhändler. Er wird sich in enger Zusammenarbeit mit uns darum bemühen, eine für Sie zufriedenstellende Lösung zu finden.

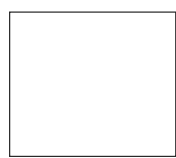
A

- Por favor entéguelo en el plazo de 8 días a partir de la fecha de compra o registre su producto en nuestra página web, <http://www.vermeiren.be/registration>
- à renvoyer dans les 8 jours après achat ou régistrez votre produit sur notre site, <http://www.vermeiren.be/registration>
- please return within 8 days of date of purchase or register your product at our website, <http://www.vermeiren.be/registration>
- zurückschicken innerhalb von 8 Tagen nach kauf oder registrieren Sie Ihr Produkt auf unserer website, <http://www.vermeiren.be/registration>
- da restituire entro 8 giorni dalla data di acquisto o registri il vostro prodotto al nostro web site, <http://www.vermeiren.be/registration>

B

- en caso de reparación, por favor, añada el apartado "B".
- en cas de réparation, veuillez ajouter la carte "B".
- in case of repair, please add part "B".
- im Falle einer Reparatur, Karte "B" beifügen
- in case di riparazione, rispediteci la carta "B".

N.V. VERMEIREN N.V.
Vermeirenplein 1/15
B-2920 Kalmarhout
BELGIUM





Notes

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Notes

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