



Scooter

Model 2.664 – 4-wheel

Operating manual



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We move people.

Contents

Introduction	5
Important information	5
Indications	6
Acceptance	6
Specifications	7
Use	7
Adjustment	8
Life span	8
Overview	9
Model: 2.664	9
Control panel	10
Driving lock	10
Battery charging socket	10
Handling the SCOOTER	11
Functional checks	11
Locking the SCOOTER	11
Drive key	12
Position of drive key	12
Director	13
Hand brake	13
Drive-/push mode	14
Selecting the motor mode	14
Selecting the push mode	14
Selecting the operation	15
Pre-operation checks	17
Battery charging procedure	18
Driving behaviour	19
Direction of travel	19
Acceleration rotary grip , foot accelerator	19
Actuator	20
Driving speed.....	20
Forward driving speed.....	20
Backwards driving speed	20
Left/right turns.....	21

Brakes	22
Operating brake	22
Parking brake	22
Braking the SCOOTER	22
Dosed braking	22
Emergency braking	22
Braking distance	22
Hand brake	23
Locking the hand brake.....	23
Releasing the hand brakes.....	23
Loading and transportation	24
Loading	24
Transport in vehicles.....	24
Transport of people inside a motor vehicle	24
Transport security	25
Reducing the size of the SCOOTER	26
Components.....	27
Seat.....	27
Seat compartment	27
Turning the seat	28
Removing the seat	28
Attaching the seat	28
Swivelling up the arm support.....	29
Adjusting the angle of the arm support.....	29
Arm support compartment	29
Adjusting the back support.....	30
Lordosis adjustment.....	30
Adjusting the distance seat to tiller	30
Steering column	31
Adjusting the steering column	31
Front basket.....	31
Rear compartment	32
Insurance licence plate.....	32

Retaining strap	33
Fastening the retaining strap.....	33
Opening the retaining strap	33
Adjustment of belt length	33
Maintenance	34
Maintenance	34
Maintenance schedule.....	35
Lighting	37
Replacing defective filament bulbs.....	37
Adjusting the headlights.....	37
Back light	37
Tyre damage on pneumatic tyres.....	37
Fuses/connections	38
Mains-/battery fuses.....	38
Replace fuse.....	38
Fault correction	39
Information for the specialist dealer	40
Programming the driving behaviour.....	40
Technical data	41
Kilometric performance	41
Hill climbing ability	41
Fuses	42
Lighting	42
Model 2.664	43
Meaning of the labels on the SCOOTER	46
Symbols	46
Meaning of the symbols on the type plate.....	47
Inspection certificate	48
Notes.....	49
Warranty / Guarantee.....	50
Warrantee / Guarantee section.....	51
Inspection certificate for transfer	51

INTRODUCTION

We thank you for the confidence you have placed in our company by way of choosing the *SCOOTER*.

The model you selected fulfils your desire for mobility and more independence.


As any other vehicle, the *SCOOTER* is a technical aid. It is subject to explanations, requires regular care and can cause danger when used improperly. The correct handling must therefore be learned. This operating manual is to help you get accustomed to the handling of your *SCOOTER* as well as to prevent accidents.

 **Note:**

Please note that the illustrated equipment variants can deviate from your model.



We have therefore also listed chapters with options that might not be applicable for your vehicle.

Further information to our products can be found in the internet under < www.meyra.com >.

 Contact your specialist dealer when required.

Important information


Attention:

-  Read and observe the following
-  documentation belonging to the *SCOOTER* before first operation:
 - this operating manual,
 - the safety and general handling instructions < *Electronic vehicles* >.

 **Note:**

Children and juveniles should read the documentation belonging to the *SCOOTER* together with their parents respectively a supervisor or an accompanying person before first use.

For users with visual impairments the PDF-files of the above mentioned documents can be accessed on our website < www.meyra.com >.

 Contact your specialist dealer when required.

Alternatively users with visual impairments can have the documentation read out by a helper.

INDICATIONS

If the following indications occur we recommend the application of this mobility product:

- ☞ Extremely limited walking abilities in the scope of the basic requirement to move around in your own apartment and to be able to leave the apartment, in order to catch some fresh air outside or in order to reach places close by for daily demands.
- ☞ Provision with an electronic vehicle is required when use of manual wheelchairs is not possible due to the handicap, but operation of an electronic drive lies within the capabilities.
- ☞ A bit of remaining walking abilities is required for the use of such vehicles.

ACCEPTANCE

All products are checked for faults in the factory and packed in special boxes.

☞ **Note:**

However, we request that you check the vehicle for possible transport damage immediately on receipt – preferably in the presence of the carrier.

☞ **Note:**

The packaging of the *SCOOTER* should be stored for a further transport that might become necessary.

SPECIFICATIONS

The *SCOOTER* is an environment-friendly electronic vehicle. It was developed to extend the mobility of persons with health-related or age-related restrictions.

- ☞ The *SCOOTER* fulfils the < *Demands of handicapped people* > according to EN 614-1.
- ☞ The model has been assigned the 'Use Class C' as per the EN12184 standard.

USE

Attention:

- ! The general capability of the driver to participate in traffic must be given!

This model is a *SCOOTER* for driving on firm, level surfaces outside and open indoor spaces (e. g. shopping centres).


It serves exclusively for the conveyance of a **sitting** person. Other pulling or transporting uses do not comply with its intended purpose.


This model is a *SCOOTER*, mainly for outdoor use on firm, level surfaces.

ADJUSTMENT


The specialist dealer hands your *SCOOTER* over under consideration of all relevant safety regulations in an operationally ready state and adjusted to your demands.

Note:

 We recommend a regular check of the adjustments with the goal of achieving a long term optimal provision even in case of changing disease-/handicap patterns of the user. Especially for juveniles we recommend refitting every 6 months.

 We recommend a regular check by the doctor in order to ensure an active use of the *SCOOTER*.

Attention:


 Always have adaptation and adjustment work carried out by a specialist dealer.

LIFE SPAN

We expect an average lifespan of about 5 years for this product, as far as the product is applied for its designated purpose and all maintenance and service guidelines.

The life span of your product depends upon the frequency of use, the application environment and care.

The implementation of spare parts can prolong the life span of the product. As a rule spare parts are available up to 5 years after production is discontinued.

 The indicated lifespan does not constitute additional guarantee.

OVERVIEW

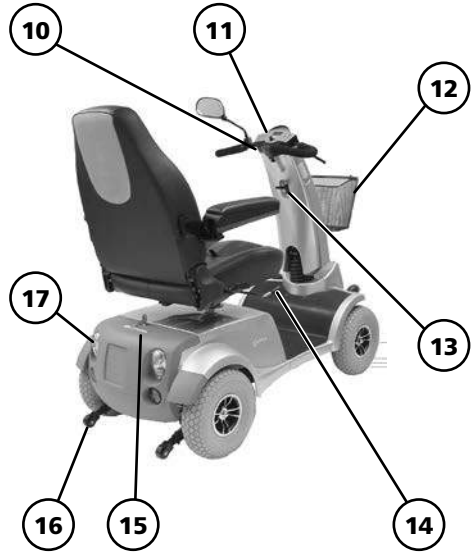
Model: 2.664

The overview shows the most important components and operating equipment.



Pos. Description

- 1 Seat
- 2 Handle bar grip
- 3 Hand brake
- 4 Steering column
- 5 Drive key
- 6 Front indicator
- 7 Headlight
- 8 Steering wheel
- 9 Drive wheel



Pos. Description

- 10 Actuator
- 11 Control panel
- 12 Front basket
- 13 Lever for steering column locking device
- 14 Lever for seat lock
- 15 Lockable compartment
- 16 Support wheel
- 17 Back light / Rear indicator

Control panel

Note:

The function and meaning of the keys and symbols are explained in the separate operating manual < *Control panel with LCD-Display* >.

Driving lock

(4) Driving lock

(0) Key position 0 (**OFF**)

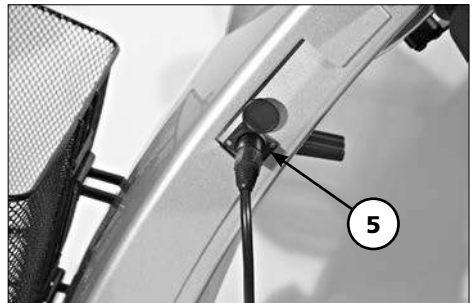
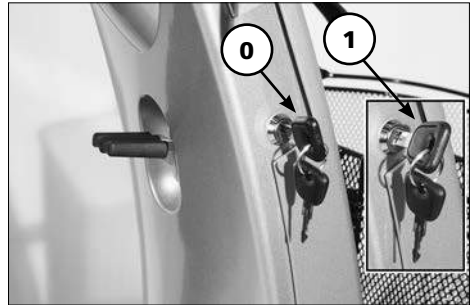
(1) Key position 1 (Push mode)

(2) Key position 2 (**ON**)

Battery charging socket

(5) Battery charging socket

– The battery charging socket (5) is protected by a cover plate that can be swivelled to the side.



HANDLING THE *SCOOTER*

Attention:

- ! Observe the safety and general handling instructions < *Electronic vehicles* >!

Functional checks

The functions and safety of the *SCOOTER* must be checked before the start of each journey.

- ☞ Hereto observe chapter < *Pre-operation checks* >.

Locking the *SCOOTER*

In order to secure the *SCOOTER* against unpermitted use, switch off the *SCOOTER* and pull out the driving key (1).



Drive key

Position of drive key

☞ Therefore also observe the operating manual < *Control panel with LCD-display* >!

Position **OFF**

The driving key is inserted parallel to the steering column as far as possible into the driving key socket (0).

– For switching off turn the driving key from the position (1)+(2) as far as possible counter clockwise (0).

☞ The *SCOOTER* is switched off.

Position **push** mode

The driving is inserted turned clockwise by 45° inside the driving key socket (1).

– For pushing turn the driving key from position (0) clockwise by 45° (1).

☞ The pushing mode is preselected.

Position **ON**

The driving key is inserted horizontally to the steering column as far as possible into the driving key socket (2).

– For switching on turn the driving key from position (0) clockwise by 90° (2).

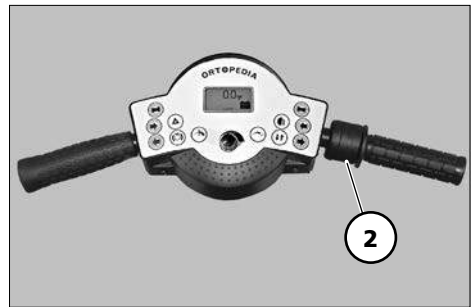
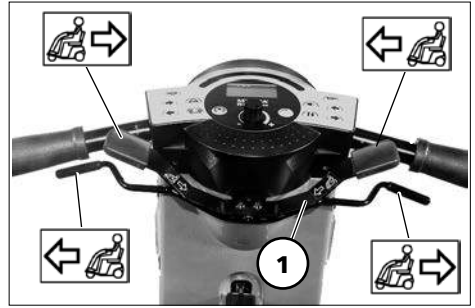
☞ The drive mode is activated.



Director

The desired driving speed is achieved through activation of the director via the:

- the actuator as a seesaw device for thumb activation (standard),
- the actuator as a finger seesaw lever (option),
- the actuator as a thumb or finger seesaw lever (option) (1),
- acceleration rotary grip (option) (2),
- foot accelerator (option) (3).



Hand brake



Securing the vehicle in push mode as well as an emergency braking is achieved through activation of the optional drum brake via the:

- the hand brake grip (4).



Drive-/push mode


Note:

-  The weight of the SCOOTER makes corresponding steering and pushing forces necessary.
-  Switch the SCOOTER into the push mode only for manoeuvring on a level surface.



Selecting the motor mode

For this insert the driving key into the socket and turn 90° clockwise into the **ON** position (2).


-  The SCOOTER is ready for use when the display (5) has been completed.

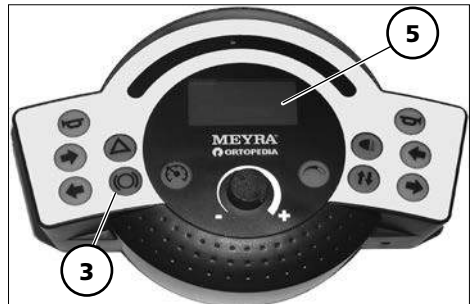


Selecting the push mode



For this turn the driving key into the 45°-locking position (1). This preselects the push mode.

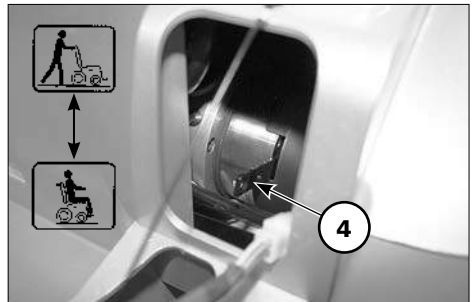
The SCOOTER can be pushed as long as the push mode key (3) is pressed down.

-  Therefore also observe the operating manual < Control panel with LCD-display >!



Attention:

-  Should the electronic fail completely, open the compartment first, then swivel the brake release lever behind the opening (4) upward.
-  After pushing the wheelchair swivel the brake release lever down again.



SELECTING THE OPERATION

In order to obtain operational readiness of the *SCOOTER* the following directions are to be carried out in the indicated order.

🔧 **Note:**

Before first use the drive batteries should be charged through the charging socket (1).

🔧 Therefore observe chapter < *Battery charging procedure* >.

⚠️ **Attention:**

● Only enter or exit the seat of the *SCOOTER* when the driving key is pulled.

– An unintentional motion of the driving actuator could otherwise let the *SCOOTER* start uncontrolled!

– **Danger of accidents!**

● Do not insert objects, other than the driving key, resp. the battery charging plug into the corresponding sockets.

– **Danger of short circuit!**

1. Selecting the motor mode

🔧 View chapter < *Drive-/push mode* >.

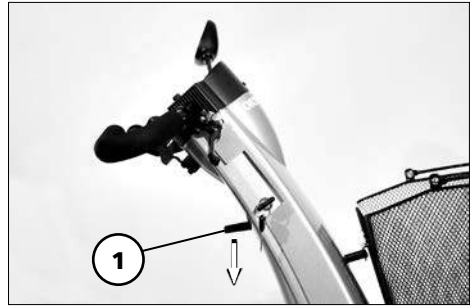


2. Adjusting the steering column

The steering column is to be adjusted so that the *SCOOTER* can be steered comfortably and safely.

- For adjusting the steering column press the lever of the steering column locking device (1) down.

☞ Hereto observe chapter < *Steering column* >.



3. Switching on the SCOOTER

For activation insert the driving key into the driving key socket and turn 90° clockwise (2).

☞ Therefore also observe the operating manual < *Control panel with LCD-display* >!

Attention:

- ! Do not insert anything other than the driving key into the drive lock.
– **Danger of short circuit!**

☞ Should a battery charger still be attached, the symbol [3] will appear in the display. In this case, switch the *SCOOTER* off, remove the charger and switch the *SCOOTER* back on. Therefore also observe chapter < *Battery charging procedure* >.

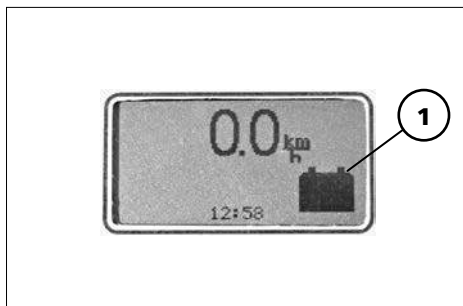


PRE-OPERATION CHECKS

☞ Therefore observe the operating manual < *Control panel with LCD-display* >!

Before starting to drive, the following should be checked:

- ☞ the battery charging condition (1).
- ☞ the preselected maximum final speed setting (2).



Battery charging procedure

For the battery charging procedure park and secure the *SCOOTER* on a level surface.

☞ View chapter < *Securing the SCOOTER* >.

1. Swivel the cover of the battery charging socket to the side and plug the battery charger into the battery charging socket (1).

Attention:

! Do not insert anything other than
● the battery charging plug into the battery charging socket.
– Danger of short circuit!

☞ Therefore also observe the operating manual of the battery charger.

2. Switch the battery charger on, resp. insert the main plug of the battery charger into the corresponding socket.

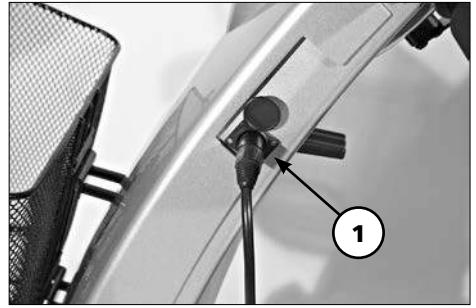
☞ The battery charging procedure is engaged when the charger signals < *Charging* >.

☞ The battery charging procedure can only be carried out with intact mains-/battery fuses!

☞ View chapter < *Fuses/Connections* >.

☞ During the charging procedure the *SCOOTER* is not ready for use.

3. After a completed charging procedure disconnect the battery charger from the socket and remove the battery charging plug from the battery charging socket. – The charging procedure is completed when the battery charger signals complete charge.



4. Afterwards recover the battery charging socket.

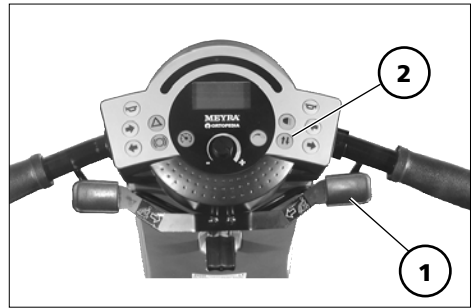
DRIVING BEHAVIOUR

Speed is determined by motion of the director:

- The actuator (1),
 - the acceleration rotary grip,
 - the foot accelerator
- as well as the preselected final speed.

Attention:

- ! Drive especially carefully during
- the first journeys!
 - ☞ Preselect the lowest final speed for this purpose.
- ☞ Therefore also observe the operating manual < *Control panel with LCD-display* >!



Direction of travel

☞ Note:

- ☞ The speed is reduced automatically during the rearward travel.
- ☞ The backward driving horn signal can be deactivated if desired.

Acceleration rotary grip , foot accelerator

The direction of travel is reversed with the direction key (2).

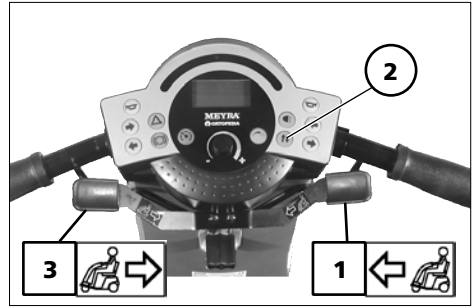
- ☞ Therefore observe the operating manual < *Control panel with LCD-display* >!

Actuator

The driving direction is determined through the activation side of the actuator.

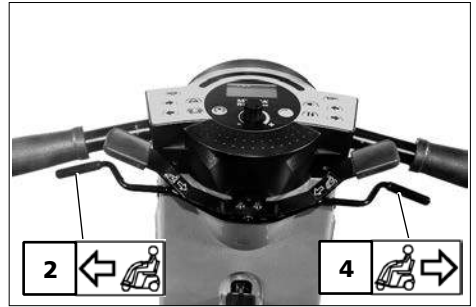
Forward motion

[1] Right	Press cap with thumb dent
[2] Left	Pull lever with hand (option)



Rearward travel

[3] Left	Press cap with thumb dent
[4] Right	Pull lever with hand (option)



Driving speed

Slowly move the director out of the basic position until the desired driving speed is reached.

Forward driving speed

Move the right lever side [1] of the driving actuator forward.

Backwards driving speed

Move the left lever side [3] of the driving actuator forward.

Left/right turns

In order to drive curves, move the steering column to the right or left with the handles, depending on the desired curve radius.

- ☞ Curves are to be driven through at adequate speed.



Attention:

Danger of tilting when turning around, especially on slopes and hills!

The *SCOOTER* features and automatic blinker reset after driving through a curve.

- ☞ The additional turn-signal control is mandatory in all cases!

☞ **Note on speed reduction:**

- ☞ The *SCOOTER* features a three step speed reduction. Here the driving speed is automatically set to an adequate curve speed depending on the steering motion of the handle bars.

BRAKES

Attention:

- ! If the braking force reduces immediately have the brakes repaired by a specialist workshop.
- 👉 Observe the safety and general handling instructions < *Electronic vehicles* >!

Operating brake

The motor works electrically as an operating brake and decelerates the *SCOOTER* softly and jerk-free to a standstill.

Parking brake

The parking brake releases automatically during start-off.

Braking the *SCOOTER*

Dosed braking

Guide the actuator (director) back into the original position according to the desired braking effect.

The braking distance of the *SCOOTER* must be taken into account for a timely braking.

Attention:

- ! Brake the *SCOOTER* down early in front of persons or an obstacle.

Emergency braking

Let the actuator (director) independently jump back into the zero-position. – The *SCOOTER* brakes down at shortest distance.

- An abrupt braking when driving downhill at a high speed can cause your *SCOOTER* to skid! – Danger of accidents!
- When driving down slopes an adequate speed is to be selected!

Braking distance

👉 Note:

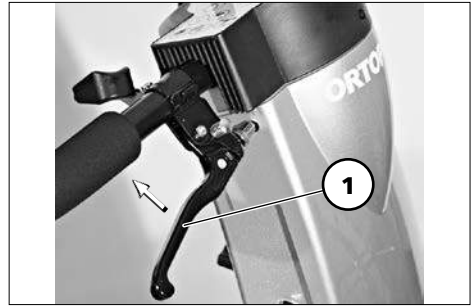
See also the < *Technical Data* > section.

Hand brake

The handbrake is fit with a drum brake on each front wheel.

Attention:

- ! For optimal braking effect the drum brake is to be kept free of grease, oil, gunge and dust. – Danger of accidents!



Locking the hand brake

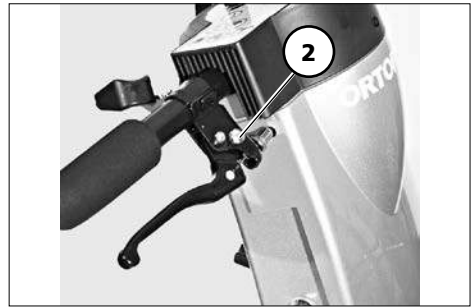
- Pull the brake lever (1).
- Press the locking button (2) down.

Note:

- The vehicle may not let itself be moved with activated handbrake.

Attention:

- ! The brake performance reduces with the wear on the brake pads.
- Any decrease in braking performance must be repaired immediately by your specialist workshop.



Releasing the hand brakes

Slightly pull the brake lever (1). – The locking button (2) jumps out of the catch.

Release the brake lever. – The handbrake is disengaged and the vehicle ready for use.

LOADING AND TRANSPORTATION

- 👉 Do not use the back support, arm supports or steering column in order to lift the *SCOOTER*!

Attention:

- ! Switch the *SCOOTER* off before lifting it!

Loading

The *SCOOTER* can be loaded with the aid of ramps or lifting platforms.

Note:

Observe safety and general handling instructions < *Electronic vehicles* > chapter < *Ramps and lifting platforms* >.

Transport in vehicles

Attention:

- ! Transport of the *SCOOTERS* may only be carried out in driving direction!

To save space for the transport in vehicles a reduced *SCOOTER*-dimension can be required.

- 👉 view chapter < *SCOOTER-dimension reduction* >.

Transport of people inside a motor vehicle

To determine if your individual *SCOOTER* is approved as a seat for transport inside a motor vehicle, please look at the type plate.

Transport security

- ☞ View document safety and general handling instructions < *Electronic vehicles* > chapter < *Transport in motor vehicles or conveyors* >.

1. Establish electrical safety

- ☞ For this observe the regulations of the respective transport company.

– Switch the **SCOOTER** off

Switch off the *SCOOTER* and pull out the driving key.

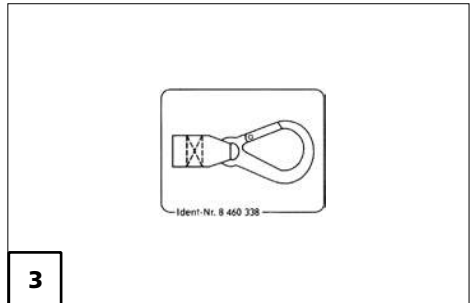
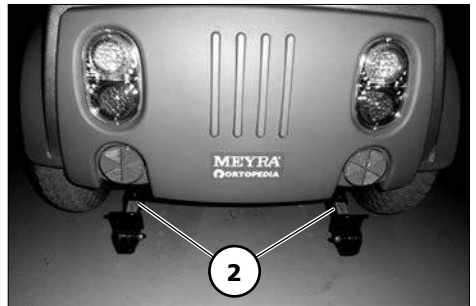
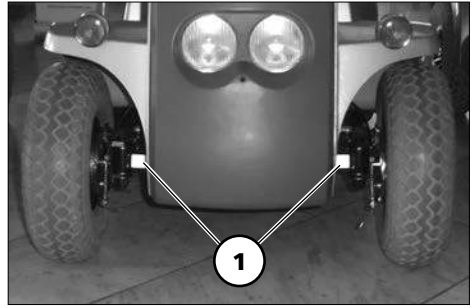
– Settings of the brake release lever

If push mode was established manually after a complete breakdown of the electronic, the brake release lever must be swivelled down to drive mode.

- ☞ View chapter < *Drive-/push mode* >.

The *SCOOTER* is only to be secured through the securing points (1) and (2).

- ☞ The anchor positions are marked with the symbol (3).



Reducing the size of the **SCOOTER**

For storage or the transport (e.g. in a car), the size of the *SCOOTER* can be reduced as follows (1).

1. Switch off the *SCOOTER* and pull out the drive key.
2. Remove the front basket.
☞ See section entitled < *Front basket* >.
3. Remove the seat.
☞ See section entitled < *Seat* >.
5. Swivel down the steering column.
☞ See section entitled < *Steering column* >.

The parts detached for the transport must be carefully stowed and carefully attached again before the next journey!



COMPONENTS

Seat

 **Note:**

The seat supplied [1] may vary from the one shown in the illustration.

The seat with upholstered arm supports can be swivelled, height adjusted and removed.

 **Note:**

Entry/exiting, into/from a *SCOOTER* standing laterally to the surface gradient, is only permitted when the seat is not turned.

If required ask for assistance from an aid/accompanying person.

Seat compartment

The seat contains a compartment (2) to store small objects.

To open the compartment pull up the latch (3).



Turning the seat


The seat can be turned for an easier transfer to or from the seat.

- In order to turn the seat, turn the locking lever (1) as far as possible counter-clockwise.
- When the desired seat setting is reached, let the locking lever (1) lock into place again.



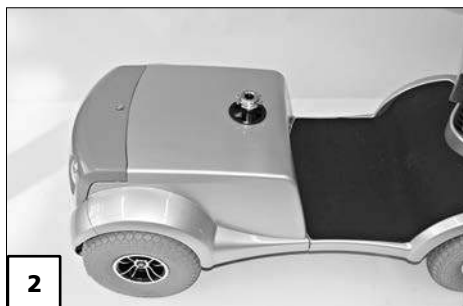
Note:

Check the seat lock by small turning motions of the seat.


-  After each 45° step the seat locking device engages automatically.

Removing the seat

In order to remove the seat (2), turn the locking lever (1) as far as possible counter-clockwise.




Attention:

-  Grab sideways under the seat surface in order to remove the seat.
- Do not use the arm supports to lift or carry the seat.

Attaching the seat

In order to attach the seat [3], turn the locking lever (1) as far as possible counter-clockwise.

Attention:

-  Grab sideways under the seat surface in order to lift the seat.

After inserting the seat align it into driving direction and let the locking lever lock into place.

Note:

Check the seat lock by small turning motions of the seat.

Swivelling up the arm support

The arm supports can be swivelled up for an easier transfer to/from the seat (1).

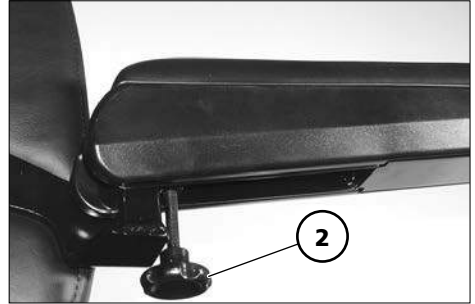
Adjusting the angle of the arm support

Depending on the version, the angle of the arm support can be adjusted continuously by turning the adjustment knob (2).

Arm support compartment

The arm support compartment (3) can for example accommodate a mobile phone or keys.

In order to open the arm support compartment, lift the corresponding arm support pad and swivel it to the back (4).



Adjusting the back support

To adjust the angle of the back support turn the right or left handwheel (1) until the desired position is reached.

Lordosis adjustment

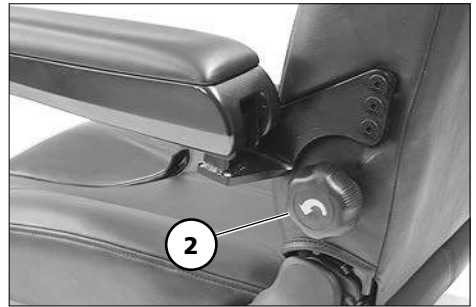
Turn the handwheel (2) in the desired direction for a lordosis adjustment.

Adjusting the distance seat to tiller

After engaging the locking lever (3) the distance of the seat to the tiller can be adjusted.

☞ After adjusting the distance of the seat let the locking lever snap into place again.

☞ **Note:**
– Check the locking device of the seat.



Steering column

Adjusting the steering column

For continuous adjustment of the steering column press down the lever of the steering column locking device (1) down.

Attention:

! Steady the steering column with one hand on the handlebar when doing this in order to prevent an uncontrolled swivelling up of the steering column.

– Danger of injury!

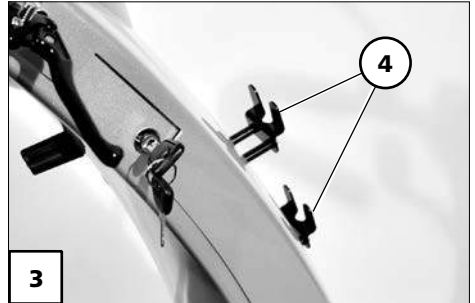
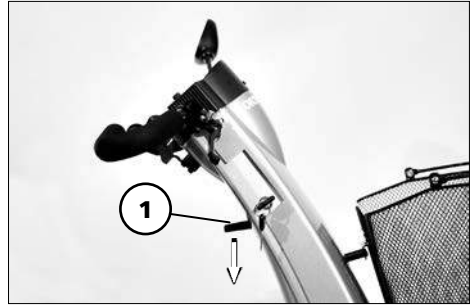
- Never change the steering column when the scooter is switched on!

Release the locking lever in the desired position of the steering column.

Front basket

The front basket (2) can be lifted off upwards [3].

For attachment the front basket is placed onto the two brackets (4).



Rear compartment

The lockable compartment (1) serves for transport of for example the charger (2).

👉 **Note:**

- 👉 Locking and unlocking the compartment is done with the driving key.
- 👉 Do not place hot objects onto the compartment.
- 👉 The compartment is not suited to transport small animals!



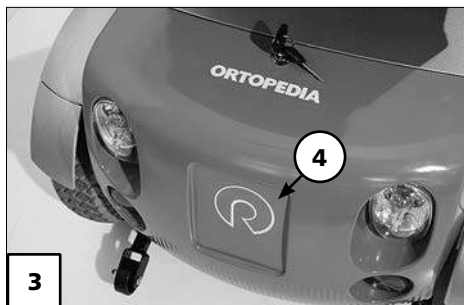
Insurance licence plate

The insurance plate (if required) should be mounted onto the attachment surface (4) in the center of the rear revetment.

- 👉 The licence plate can be used to mark the holes for drilling.

👉 **Note:**

- 👉 Assembly of the licence plate should be carried out by a specialist workshop.



Retaining strap

The retaining strap [1] serves to hold a person sitting inside the *SCOOTER* in place.

- Additional stabilisation of the sitting position.
- Prevents the user from slipping forwards out of the seat (e.g. during abrupt braking).

The retaining strap is screwed onto the bottom of the seat.

Note:


The retrospective assembly of a retaining strap is only to be carried out by a specialist workshop!

Attention:

- ! The retaining strap is not part
- of the retaining system for the *SCOOTER* and/or the driver during transport in a handicapped transport vehicle.

Fastening the retaining strap

Pull both belt halves to the front and slide the catch halves together so that they latch together [1].

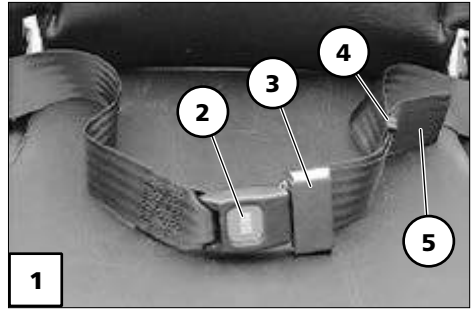
-  Afterwards conduct a pulling test.

Attention:

- ! Make sure that no objects are
- trapped between belt and the body! – Thus you avoid painful pressure points.

Opening the retaining strap

To open the retaining strap press the red unlocking knob (2) inside the buckle.




Adjustment of belt length

Note:

The retaining strap should not be pulled too tight.

Push or pull the strap (5) in the respective direction in order to extend or shorten the strap.

-  Therefore hold the lock part or buckle (3) at a right angle to the strap.

Fasten excessive strap by repositioning the plastic slider (4).

MAINTENANCE

An incorrect or neglected cleaning and maintenance results in a limitation of the product liability.

Maintenance

The following maintenance schedule gives you a guide for carrying out the maintenance.

- ☞ They do not give information about the actual extent of work required on the vehicle.

Maintenance schedule

WHEN	WHAT	REMARK
Before starting out	General Test for faultless operation.	Carry out test yourself or with a helper.
	Checking the magnetic brake Move the selection lever for the drive/push mode into the drive mode position on both sides.	Carry out test yourself or with a helper. If the electric wheelchair can be pushed, have the brakes repaired immediately by the specialist workshop. – Danger of accidents!
Especially before driving in the dark	Lighting Check the lighting equipment and reflectors for flawless functioning.	Carry out test yourself or with a helper.
Every 2 weeks (depending on distance covered)	Check air pressure of the tyres Tyre filling pressure: 2,5 bar = 36 psi	Carry out test yourself or with a helper. Use a tyre gauge.
	Adjustment screws Screws and nuts are to be checked for tight fit.	Carry out test yourself or with a helper. Retighten the loosened adjustment screws. Contact specialist workshop upon demand.

WHEN	WHAT	REMARK
Every 6-8 weeks (depending on distance covered)	Wheel attachments Wheel nuts or screws are to be checked for tight fit	Do it yourself or with the aid of a helper. Securely tighten any loosened wheel nuts or screws and retighten again after 10 operating hours or resp. 50 km. Contact specialist workshop upon demand.
Every 2 months (depending on distance covered)	Check tyre profile Minimum tread = 1 mm	Carry out a visual check yourself or with a helper. If the tyre profile is worn down or if the tyre is damaged, consult a specialist workshop for repairs.
Every 6 months (depending on frequency of use)	Check – Cleanness. – General condition.	View < <i>Service</i> > in document < <i>Safety and general handling instructions electric vehicles</i> >. Do it yourself or with the aid of a helper.
Manufacturer recommendation: Every 12 months or upon indication	Maintenance jobs – Vehicle – Battery charger	To be carried out by the specialist dealer.
Manufacturer recommendation: Every 12 months (depending on frequency of use)	Safety inspection – Vehicle – Battery charger	To be carried out by the specialist dealer.

Lighting

Note:

If a turn-signal bulb is defective, the remaining one blinks at double frequency.


Replacing defective filament bulbs

Note:

Have a defective bulb replaced by a specialist workshop.

Adjusting the headlights

The housing of the light (1) must be adjusted so that the light cone is visible on the driving surface.

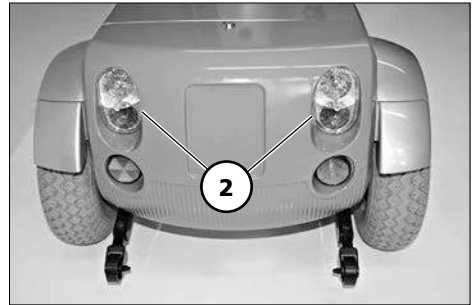
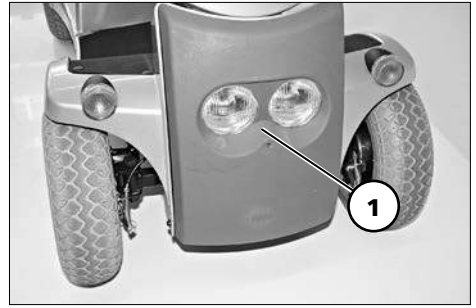
 Have the adjustment carried out in a specialist workshop.

Back light


The rear and indicator lights (2) are equipped with long living LED-technology.

Note:

In case of a failure we recommend to contact a specialist workshop.



Tyre damage on pneumatic tyres

 For repairing tyre damage we recommend the use of a foam cartridge that is available in speciality shops. – Afterwards look up a specialist workshop as soon as possible.

Fuses/connections

Mains-/battery fuses

The mains/battery fuse is located between the plus-conduits of the battery connection cable inside a fuse bracket (1).

Replace fuse

Before replacing a fuse, place and secure the SCOOTER on a horizontal, level surface.

☞ Therefore observe chapter < *Securing the SCOOTER* >.

☞ **Note:**

Have a defective fuse replaced by a specialist workshop.

☞ – **Do not pull on the cables!**

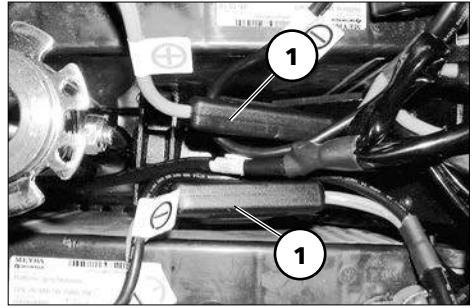
Always replace fuses with one of the same type!

☞ **Note:**

See also the < *Technical Data* > section.

☞ **Note:**

When the fuses blow again have the damage cause be repaired in a specialist workshop.



FAULT CORRECTION

Fault	Cause	Remedy
The display shows nothing after activation.	A main-/battery fuse is defect.	Insert a new charging fuse or have it repaired in a specialist workshop.
	Batteries deep discharged	Have it repaired by the specialist workshop.
Error E-- is shown in the LCD-display after activation.	The actuator moved too early.	Switch the <i>SCOOTER</i> off and on again if this happens.
	Malfunction in the electronics.	Observe the operating manual < <i>Control panel with LCD-display</i> >.
Lighting not active.	A light bulb is defect.	Have a new bulb inserted.
Rapid blinking of the warning light for indicator.	A light bulb is defect.	Have a new bulb inserted.
The <i>SCOOTER</i> does not start off.	Drive mode is not pre-selected.	Insert the driving key correctly.

Information for the specialist dealer

Maintenance and Service manuals can be retrieved from our website < www.meyra.com >. You can for example find the following information in these manuals:

1. Adjustments that can be carried out with tools.
2. Step by step explanations to important repairs.
3. Information on model specific amendments.
2. A checklist for the annual inspection.

The functional tests necessary for the inspection are listed in the check list.

They are a guide for the performance of the inspection work.

Note:


It does not outline the actual scope of the necessary work which can only be ascertained by an inspection of the vehicle.

After the successful completion of an annual inspection the inspection certificate should be recorded in the operating manual.


A draft for further inspection certificates can be copied from the maintenance and service manual when required. It then has to be added to the operating manual.

Programming the driving behaviour



The driving behaviour of the *SCOOTER* can be adjusted through the programming device.

-  Therefore observe the corresponding < Maintenance- and service manual >.

The driving behaviour of the *SCOOTER* should be adjusted to the individual requirements and the learning process of the respective user at regular intervals.

-  The programming must be specially tailored to the user. The capacity of reaction, the constitution as well as physical and psychical abilities are to be considered. A talk with the doctor or therapist can be very helpful.

Attention:

-  Any change to the manufacturer set programming may result in an increased danger of accidents.
-  Possible danger of tilting in curves.

TECHNICAL DATA

Kilometric performance

Kilometric performance depends to a large extent on the following factors:

- battery condition,
- weight of the driver,
- driving speed,
- driving style,
- road surface condition,
- driving conditions,
- ambient temperature.

The nominal values given by us are realistic under the following conditions:

- Ambient temperature of 27 °C.
- 100 % rated drive battery capacity as per the DIN standard.
- new condition of the drive batteries with more than 5 charging cycles.
- Nominal load of 75 kg.
- Without repeated acceleration.
- Level, firm driving surface.

The kilometric performance is greatly reduced by:

- frequent uphill driving,
- insufficient charging condition of the drive batteries,
- low ambient temperature (e.g. in winter),
- frequent starting and stopping (e.g. in town traffic),
- aged, sulphated drive batteries,
- frequently necessary steering manoeuvres,
- reduced driving speed (especially at walking speed).

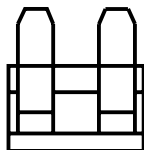
In practical use, the kilometric performance under 'normal conditions' is then reduced to approx. 80 % – 40 % of the nominal value.

Hill climbing ability

Gradients in excess of the permitted values (e.g. ramps) should for safety reasons only be driven when the wheelchair is empty!

Fuses

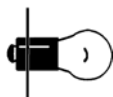
☞ Therefore observe chapter < *Fuses/connections* >.



Mains-/battery fuse: 2 x 100 A

Battery charging fuse..... 15 A

Lighting



Headlight bulb: Filament bulb 12 V / 15 W P26S



Front indicator:..... Filament bulb 12V/10W BA15S

Tools

No tools are required for the adjustments described in this operating manual.

Model 2.664

All data within the following table relates to the standard version of the stated model.

Dimensional tolerance ± 1 cm, $\pm 2^\circ$.

Model:..... **2.664**

Type plate:..... at the seat brace

Class of use as per DIN EN 12184..... Class C

Life span: 5 years

Sound level:..... < 70 dB(A)

Electrical system:

Drive control: 24 V / max. 140 A

Lighting: 12 V

Dimensions: min. / max. / manufacturer setting

Length (with basket): / / 1370 mm

Width over arm supports (Luxury seat): / / 660 mm

Width over arm supports (Luxury-XL seat): / / 760 mm

Height: / / 1210 mm

Seat height: 44 / 51.5 / 44 cm

Seat (turnable 360°):

Seat depth: 48 cm

Seat width (Luxury seat): 50 cm

Seat width (Luxury-XL seat): 60 cm

Seat inclination: 0°

Back support height: 64 cm

Back support angle: 0° / 90° / 0°

Back support to front edge of arm support: 37 cm

Arm support height from upper edge of seat: 19 / 23 / 19 cm

Arm support angle: 0° / 30° / 0°

Wheels (pneumatic tyres):

Drive wheel (max. 3.5 bar = 50 psi): (4.00-5) \varnothing 31.5 cm

Steering wheel (max. 2.0 bar = 29 psi): (4.00-5) \varnothing 31.5 cm

Transport dimensions (without basket, without seat):

Length:..... 1370 mm
Width: 680 mm
Height (steering column folded-over): 740 mm

Climatic data:

Ambient temperature: -25 °C to +50 °C
Storage temperature with drive batteries: -25 °C to +50 °C
Storage temperature without drive batteries:..... -40 °C to +65 °C

Batteries:

Max. battery dimensions (LxWxH): 26.5 x 17.4 x 24 cm
or 30.6 x 17.4 x 24 cm
Sealed drive batteries:..... 2 x 12 V 70 Ah – 5 h / 79 Ah – 20 h

Range (see Kilometric performance):

79 Ah (20 h) with 6 km/h:..... up to 65 km
79 Ah (20 h) with 12 km/h: up to 55 km
79 Ah (20 h) with 15 km/h: up to 50 km

Battery charger:

max. charging current:..... 12 A

Performance - electric (view Kilometric performance):

Max. forward final speed:..... 15 km/h
Motor–continuous power rating:..... 650 Watt
Motor–peak capacity:..... 2500 Watt

Performance - mechanical (view Kilometric performance):

Obstacle height:..... max. 100 mm
Ground clearance: 100 mm
Climb-in height: 210 mm
Turning radius:min. 1460 mm
Turning area:.....min. 1200 mm
Max. permissible rising gradient: 10° (18 %)
Max. permissible falling gradient:..... 10° (18 %)
Max. permissible transverse gradient: 10° (18 %)

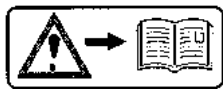
Weights:

Max. permissible total weight:.....	375 kg
Permitted axle load front:.....	120 kg
Permitted axle load rear:	260 kg
max. permissible user weight:	180 kg
Max. loading in front basket:	10 kg
Empty weight (with seat, batteries):.....	150 kg

Weight of single component:

Seat:	22 kg
XL-Seat:.....	28 kg
Batteries:.....	2 x 23.5 kg
Rear cover:.....	4.5 kg

Meaning of the labels on the *SCOOTER*



Attention!

Read the operating manuals and other provided documentation.



Do not lift the *SCOOTER* at the arm supports or leg supports. Removable parts are not suited for carrying the vehicle.



Drive mode



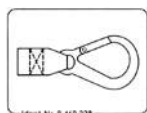
Push mode



Push only on level surfaces.



Indication for charging socket



Attachment possibility of the transport securing system.

Symbols



The arrow with the hand shows suitable areas to hold on to.

Meaning of the symbols on the type plate



Manufacturer



Order number



Serial number



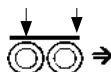
Production date (Year – Calendar week)



Permitted user weight



Max. permissible total weight



Permitted axle loads



Max. permissible rising gradient



Max. permissible falling gradient

max. ... km/h Max. permitted final speed



This product type is approved as a seat within a motor vehicle



This product type is **not** approved as a seat within a motor vehicle.

INSPECTION CERTIFICATE

Vehicle data:

Model:

Delivery note no.:

Serial-no. (SN):

Recommended safety inspection 1st year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 2nd year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 3rd year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 4th year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 5th year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

NOTES

WARRANTY / GUARANTEE

We accept legal liability for this product within the scope of our general terms and conditions and warranty and the guarantee according to our described quality service. For warranty and guarantee demands please contact your specialist dealer with following Warranty/Guarantee section and the there included information on model description, delivery note number with delivery date and serial number (SN).

The serial number (SN) can be read off of the type plate.

Precondition for the acceptance of liability in any case is the intended use of the product, the use of original spare parts by specialist dealers as well as maintenance and inspections in regular intervals.

Guarantee is not granted for surface damages, tyres of the wheels, damages due to loosened screws or nuts as well as worn out attachment holes due to frequent assembly work.

Furthermore, damage to the drive and electronics caused by improper cleaning using steam cleaning equipment or the deliberate or accidental flooding of the components are also excluded.

Interferences through radiation sources such as mobile phones with high transmission power, HiFi-equipment and other extreme interference radiators outside of norm specifications cannot be declared as warranty or guarantee claims.

Attention:

- ! Failure to observe the instructions
- in the operating manual, improperly carried out maintenance work and, especially, technical changes and additions (add-ons) carried out without our prior consent will lead to a general loss of guarantee and product liability.

Note:

This operating manual as a part of the product is to be handed out in case of a change of user or owner.

We reserve the right to make technical improvements.



The product conforms with the EC Directive 93/42/EEC (MDD) for medical products.

Warranty / Guarantee section

Please fill out! Copy if necessary and send the copy to the specialist dealer.

Warranty / Guarantee

Model designation:

Delivery note no.:

SN (view type plate):

Date of delivery:

Stamp of the specialist dealer:

Inspection certificate for transfer

Vehicle data:

Serial-no. (SN):

Model:

Delivery note no.:

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Your specialist dealer

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