



Clemas & Co Ltd

Industrial Cleaning Equipment
Sales - Hire - Service

KARCHERS POLISHERS OPERATOR MANUAL



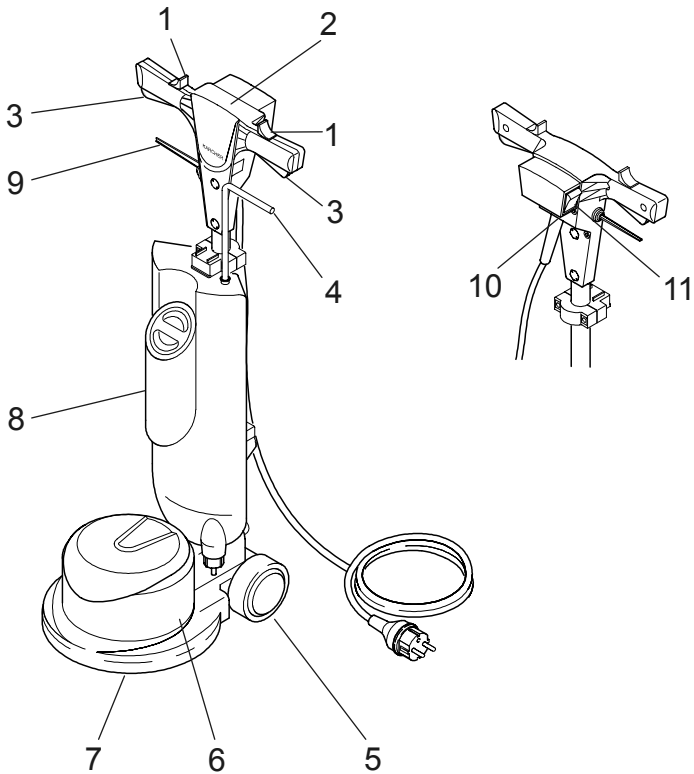
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- 1 Catch
- 2 Handle
- 3 Switch (On/Off)
- 4 Dosing lever cleaning agent solution
- 5 Wheel
- 6 Engine
- 7 Brush wheel attachment/drive disc (accessory)

- 8 Cleaning agent tank (accessory)
- 9 Lever tilt adjustment
- 10 Accessory socket (not BDS 33/190 C)
- 11 Increase speed button (only BDS 43/Duo C)

For protection of our environment

Please dispose of packaging environmentally responsibly



The packaging materials are recyclable. Please do not throw the packaging in with household rubbish but take it to a recycling centre.

Please dispose of scrapped units environmentally-responsibly



Scrapped units consist of valuable recyclable materials that should be taken to a recycling centre. Batteries, oil and similar products must not be allowed to contaminate the environment. Therefore, please dispose of scrapped units via appropriate disposal systems.

Cleaning pads (accessory)

Pads can be washed at max. 60 °C.

Appropriate use

- Cleaner for hard surfaces and carpeted floors indoors.
- Corresponding to the descriptions and safety instructions given in these operating instructions.
- Any other use is considered inappropriate. The manufacturer is not liable for damages resulting from this, the risk is the user's only.
- The unit may be opened only by maintenance service.

Cleaning agent



Warning!

Pay attention to -cleaning agent manufacturer's instructions on safety- and handling

- *Do not under any circumstances use solvents (benzine, acetone, thinner, etc.)!*
- *Avoid contact with eyes and skin*
- *Pay attention to -cleaning agent manufacturer's instructions on safety- and handling*

Kärcher offers a tested range of customised cleaning agents-

Your dealer will be pleased to advise you.

Transport

- Pull power plug
- Place foot on wheel and tip the unit slightly backwards holding the handle.
- Unit can now be pushed or pulled on the wheels

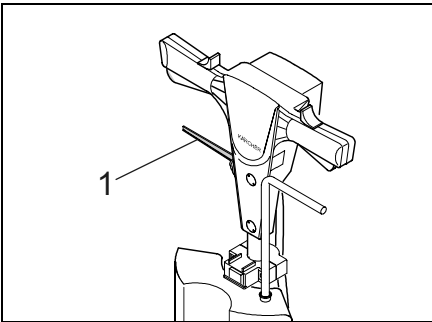
Before each use

- Check the unit and -especially the power cable- for damage
- Mount the brush wheel attachment or pad drive disc (accessory) appropriate to the particular application

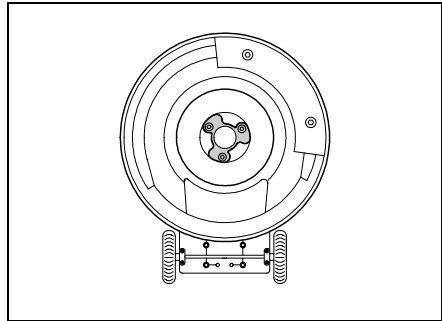
Brush wheel attachment- , pad drive disc assembly

Note:

Inspect the brush wheel attachment regularly for wear.



- Empty the cleaning agent tank (accessory)
- Pull power plug
- Place the handle in the vertical position by pulling the lever (1)
- Tip unit and rest on handle



- Place the brush wheel attachment or pad drive disc in the recess provided and turn anticlockwise

Note:

Dirty pads increase the load on the unit. Therefore use clean pads. Dirty pads can be washed at max. 60 °C.

Switching on the unit



Warning!

Operating the unit requires practice!

- *The workstation is behind the unit*
- *Ensure there are no obstacles on the surface to be cleaned*
- *Check that the floor is of a suitable nature*
- *Handling is more difficult on uneven or rough floors*



Warning!

Danger of electric shock!

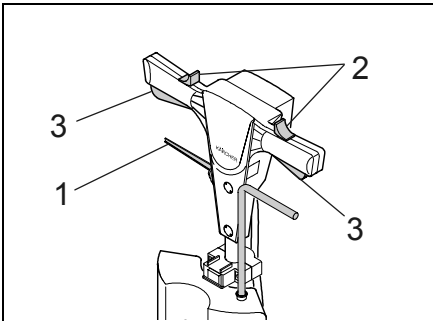
- *Inspect the power cable for damage*
- *Never drive over the power cable*
- *Never sling the power cable around your body or neck*



Warning!

When in operation, the unit must at all times be kept moving!
Do not keep the unit working on one spot, since this can cause damage to the floor covering!

Starting the unit



Connect to the mains

- Only work with dry hands
 - The mains voltage must correspond to the voltage given on the rating plate
- For connected loads see -Technical Specifications-



Caution!

When using the devices BDS 43/150 C, BDP 43/410 C and BDS 43/Duo C with built-on suction unit (accessory) the maximum permissible mains impedance of the electrical connecting point (see technical specifications) may not be exceeded.

- Insert power plug
- Place the handle in the working position by pulling the lever (1)

Note:

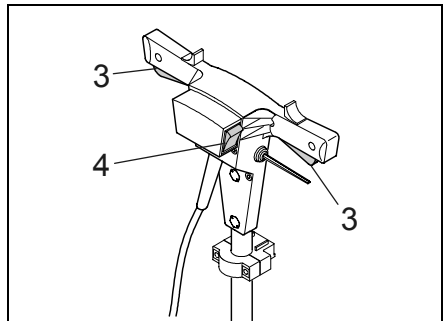
Handle positioned approximately at waist height

- Press the catch (2) (either left or right) inwards
- Pull up the switch on the same side (3)
 - The brush wheel attachment turns

Note:

By releasing the switch (3) the brush wheel attachment stops

**Increase speed
(only BDS 43/Duo C)**



- Press the button (4) with the unit running
 - The brush wheel attachment turns at higher speed

Note:

Reduce the speed by releasing the switch (3) and turning back on

Operating the unit

Note:

The unit is kept in position after starting by rocking the handle slightly up- and down

Direction control

Left

Lower the handle or press down slightly

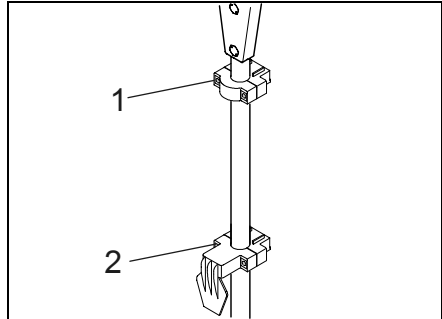
Right

Raise the handle or pull up slightly

- Apply cleaning agent solution on surface to be cleaned or actuate the dosing lever at the cleaning agent tank (accessory)
- Manually guide the unit over the surface to be cleaned.
- Do not press the unit onto the surface to be cleaned. Use additional weight (accessory) if necessary.
- Repeat the action if the surface is very dirty.
- Then collect the dirty water with a wet vacuum cleaner or with an absorbent cloth.

Cleaning agent tank (accessory)

Assembly

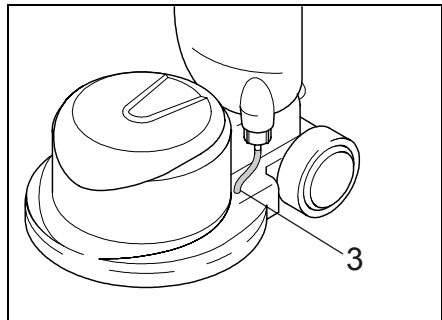


- Loosen the screws on the holders (1 and 2)
- Hang the cleaning agent tank in the bottom holder

Note:

Make sure that the cleaning agent tank is above the engine

- Fix the cleaning agent tank by moving the two holders
- Tighten the screws on the holders (1 and 2)



- Insert the hose (3) for feeding the cleaning agent into the appropriate hole.



Warning!

The hose may not touch the brush wheel attachment or pad drive disc.

Filling



Warning!

Fill up to the top mark at the maximum (10 litres).

- See the cleaning agent container for cleaning agent concentration/mixing ratio
- Pay attention to -cleaning agent manufacturer's instructions on safety- and handling



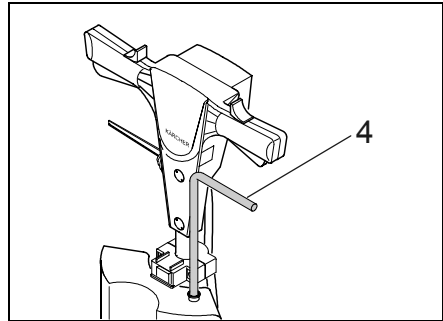
Warning!

Danger of damage to the cleaning agent tank

The pH value of the cleaning agent-water mixture must be between pH 5 and pH 9

- Remove the cover
- Fill cleaning agent
- Replace cover

Operating the unit



- Pull the dosing lever (4) and distribute the cleaning agent

Note:

Cleaning agent dosing is continuously adjustable with the lever (4)

Additional weight (not BDS 33/190 C and BDS 43/Duo C)



Danger!

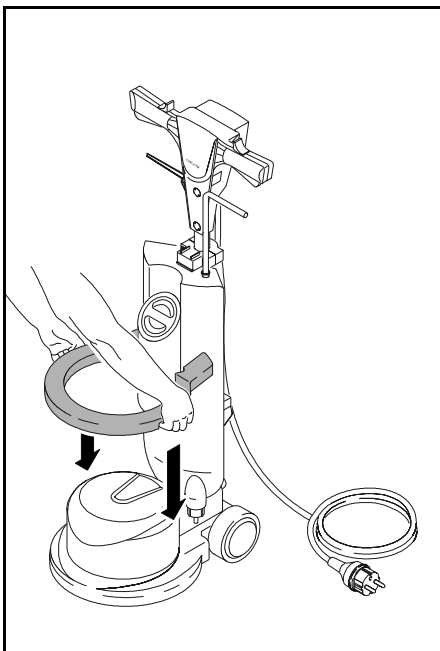
Danger of crushing fingers
Only lift the additional weight at the recesses provided

The additional weight is used in case of heavier soiling
It provides a greater pressure

Note:

The higher pressure causes greater wear on the brushes

Assembly



- Lift the additional weight at the recesses provided
- Place on the unit

Instructions for use

Basic cleaning / sanding

BDS 33/190 C, BDS 43/150 C,
BDS 43/Duo C (150 rpm)

- white brush wheel attachment
- grey brush wheel attachment
- pad drive disc + pad
- CA 69 ES
- CA 752
- CA 754 (linoleum)
- tank

Procedure:

- Insert the brush wheel attachment or pad drive disc and pad
- Fill the tank (CA - dosing according to instructions)
- Clean/sand floor
- Suck cleaning fluid back in with a wet vacuum cleaner
- Before adding a new coat of varnish the floor must be neutralised and well dried

Carpet shampooing:

BDS 33/190 C, BDS 43/150 C,
BDS 43/Duo C (150 rpm)

- shampooing brush
- CA 768
- tank

Procedure:

- Insert the brush wheel attachment
- Fill the cleaning agent tank (cleaning agent - dosing according to instructions)
- Shampoo the floor
- Suck up the foam with a wet vacuum cleaner, rinse the carpet with clean water using a wet vacuum cleaner.

Cleaning carpets with micro-fibre pads:

BDS 33/190 C, BDS 43/150 C,
BDS 43/Duo C (150 rpm)

- pad drive disc + micro-fibre pad
- CA 770 (tenside-free cleaning agent) or water
- sprayer

Procedure:

- Insert pad drive disc and attach pad
- Moisten the pads with cleaning agent liquid/water (may only be slightly moist to guarantee picking up dirt)
- Clean the floor

Cleaners:

BDS 33/190 C, BDS 43/150 C

- pad drive disc + red pad
- CA 748
- CA 747 (wet-look-cleaner)
- pre-spraying unit

Procedure:

- Insert pad drive disc and attach pad
- Treat floor, cleaning fluid is sprayed on with the pre-spraying unit during cleaning

Polishing:

(coated floorings)

BDP 43/410 C, BDS 43/Duo C (300 rpm)

- pad drive disc + white pad

Procedure:

- Insert pad drive disc and attach pad
- Polish floor

Sealing:

(only possible to use on chalky stone floorings)

BDS 33/190 C, BDS 43/150 C

- pad drive disc + sealing pads
- CA 749
- sprayer
- mop

Procedure:

- Clean floor, neutralise and allow to dry well
- Spray approx. 10 m² of floor with CA 749 using a sprayer
- Spread evenly over the floor with the mop
- Allow to dry a little
- Treat the floor with sealing pad until the surface has a high gloss

- Repeat the process from step 2 if necessary until the desired degree of gloss is achieved.

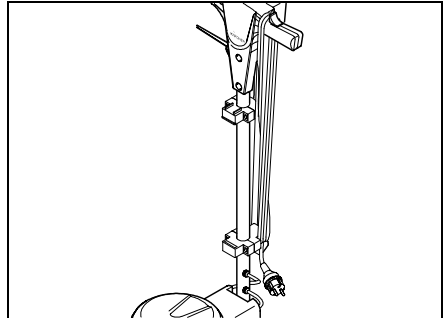
After operation



Warning!

Comply with statutory regulations on the disposal of cleaning agent solutions

- Switch off unit and pull the power plug



- Wind up the power cable properly
- Detach cleaning agent tank (accessory) and dispose of the unused cleaning agent solution
- Rinse the cleaning agent tank or pre-spraying unit (accessory) with clean water
- Remove the brush wheel attachment after use
- Wash dirty pads at max. 60°C.

Cleaning and care

- Only use a damp cloth for cleaning the unit
- Wipe afterwards with a clean, dry cloth
- Do not use chemical cleaning agents

Frost protection

- Store the cleaner in a room protected from freezing
- Empty the cleaning agent tank (accessory)

Malfunctions

Unsatisfactory cleaning results

- Replace worn brush wheel attachment/pad
- Change dirty pads and wash at max. 60°C.
- Check that the brush wheel attachment or pads and the cleaning agent are appropriate to the job on hand

Brush wheel attachment/pad drive disk does not rotate

- Change dirty pads and wash at max. 60°C.
- Remove jammed foreign bodies
- Adapt the brush wheel attachment/pad to the cleaning object

Cleaner runs unevenly or vibrates heavily

- Check proper fit of brush wheel attachment/pad drive disk
- Check correct fit of the pad on the pad drive disk
- Check whether the suitable drive disk is used

No or insufficient cleaning agent solution on the floor

- Refill cleaning agent tank (accessory) with cleaning agent solution
- Check functions of hoses and valve

The unit must be checked by after sales service if the problem cannot be remedied.

Technical Specifications

		BDS 33/190 C	BDS 43/150 C	BDP 43/410 C	BDS 43/Duo C
Mains connection					
Voltage	V	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50
Brush motor	W	500	1000	1300	1000/1300
Max. permissible mains impedance *	Ω	–	(0.313+j0.196)	(0.313+j0.196)	(0.313+j0.196)
Degree of protection	IP	IPX4	IPX4	IPX4	IPX4
Brushes					
Diameter	mm	330	430	430	430
Speed	rpm	191+/-15	152+/-15	408+/-15	150/300+/-15
Brush pressure	g/cm ²	37+/-3	41+/-3	45+/-3	42+/-3
Noise emission					
Noise pressure level	dB(A)	<65	<65	<65	<70
Unit vibrations					
Total vibration value (ISO 5349)	m/s ²	<2,5	<2,5	<2,5	<2,5
Dimensions					
Clearance height of engine	mm	260	330	330	330
Height of F-bar	mm	1120	1200	1200	1200
Weight without accessories	kg	22	41	46,5	42,5
Cable length	m	10	12	15	15
Additional equipment					
Socket for vacuum	Y/N	N	Y	Y	Y

* with built-on suction unit

Accessories

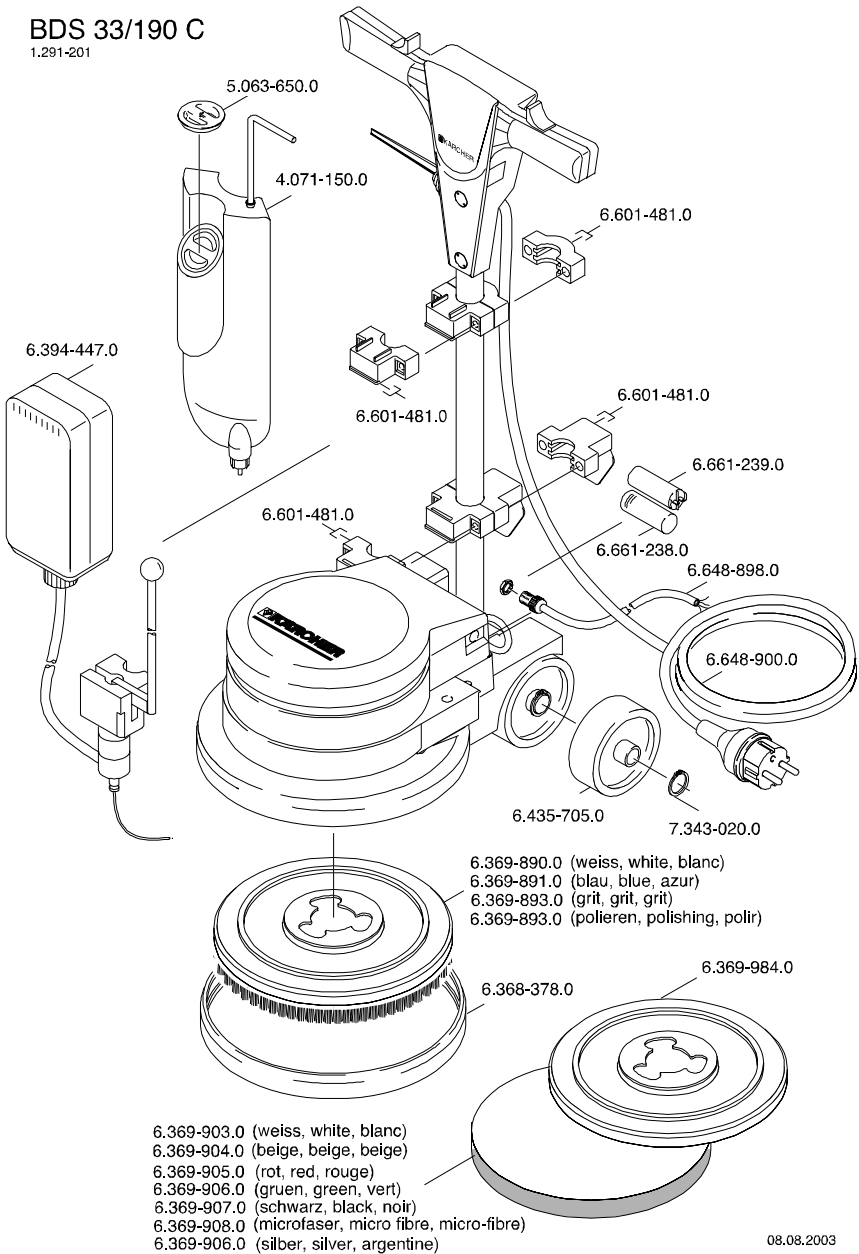
BDS 33/190 C	Order no.
10 litre cleaning agent tank	4.071-150.0
Pre-spraying unit complete (cleaners)	6.394-447.0
Brushes	
Scrubbing brush white PPN 0.6	6.369-890.0
Shampooing brush PPN 0.3	6.369-891.0
Polishing brush (Mexican fibre)	6.369-892.0
Tynex brush (grit)	6.369-893.0
Pads (washable at max. 60 °C)	
Pads white (5)	6.369-903.0
Pads beige (5)	6.369-904.0
Pads red (5)	6.369-905.0
Pads green (5)	6.369-906.0
Pads black (5)	6.369-907.0
Pad sealing 3M silver (5)	6.369-909.0
Pads micro-fibre/carpet/fine stoneware	6.369-908.0
Drive disc	
Drive disc R 33 low speed (plastic)	6.369-894.0

Accessories

BDS 43/150 C, BDP 43/410 C, BDS 43/Duo C	Order no.	BDS 43/150 C	BDP 43/410 C	BDS 43/Duo C
10 litre cleaning agent tank	4.071-150.0	x		x
Pre-spraying unit complete (cleaners)	6.394-447.0	x		x
Vacuum cleaner bags	6.904-253.0	x	x	x
Vacuum cleaner (incl. hose)	6.812-035.0	x	x	x
Suction ring complete	6.812-051.0	x	x	x
Additional weight 10 kg	6.369-910.0	x	x	
Brushes				
Scrubbing brush white PPN 0.6	6.369-895.0	x		x
Shampooing brush PPN 0.3	6.369-896.0	x		x
Polishing brush (Mexican fibre)	6.369-897.0		x	x
Tynex brush (grit)	6.369-898.0	x		x
Sandpaper grade 36	6.905-383.0	x		
Sandpaper grade 60	6.905-384.0	x		
Sandpaper grade 100	6.905-385.0	x		
Sanding net grade 60	6.369-464.0	x		
Sanding net grade 100	6.369-466.0	x		
Sanding net grade 150	6.369-467.0	x		
Pads (washable at max. 60 °C)				
Pads white (5)	6.369-469.0		x	x
Pads beige (5)	6.370-138.0		x	x
Pads red (5)	6.369-470.0	x	x	x
Pads blue (5)	6.369-471.0	x		x
Pads green (5)	6.369-472.0	x		x
Pads black (5)	6.369-473.0	x		x
Pads sealing 3M brown (5)	6.905-386.0	x		x
Pads sealing 3M silver (5)	6.369-911.0	x		x
Pads micro-fibre/carpet/fine stoneware	6.905-526.0	x		x
Drive disc				
Drive disc R 43 low speed (plastic)	6.369-899.0	x		x
Drive disc R 43 Duo speed (rubber bell)	6.369-901.0	x	x	x
Drive disc R 43 high speed (foam)	6.369-900.0		x	x
Drive disc sandpaper	6.369-902.0	x		
Sanding disc screed	6.369-934.0	x		

BDS 33/190 C

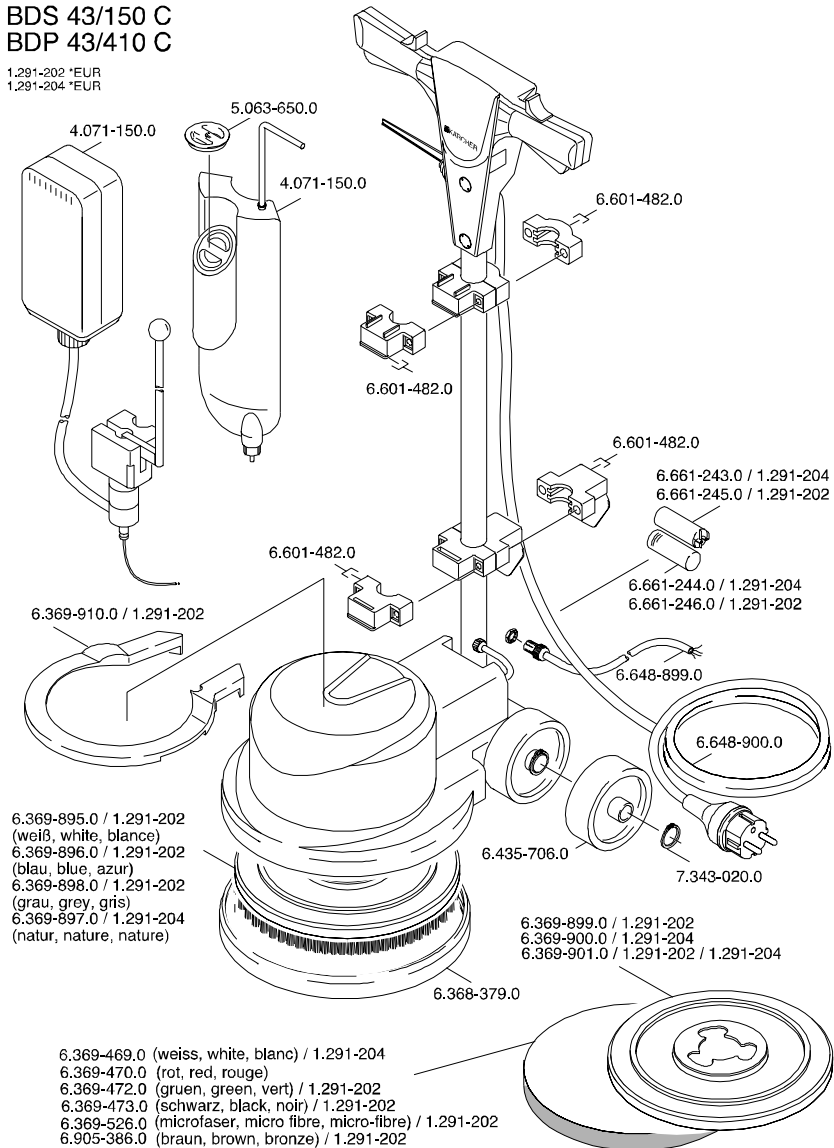
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BDS 43/150 C
BDP 43/410 C

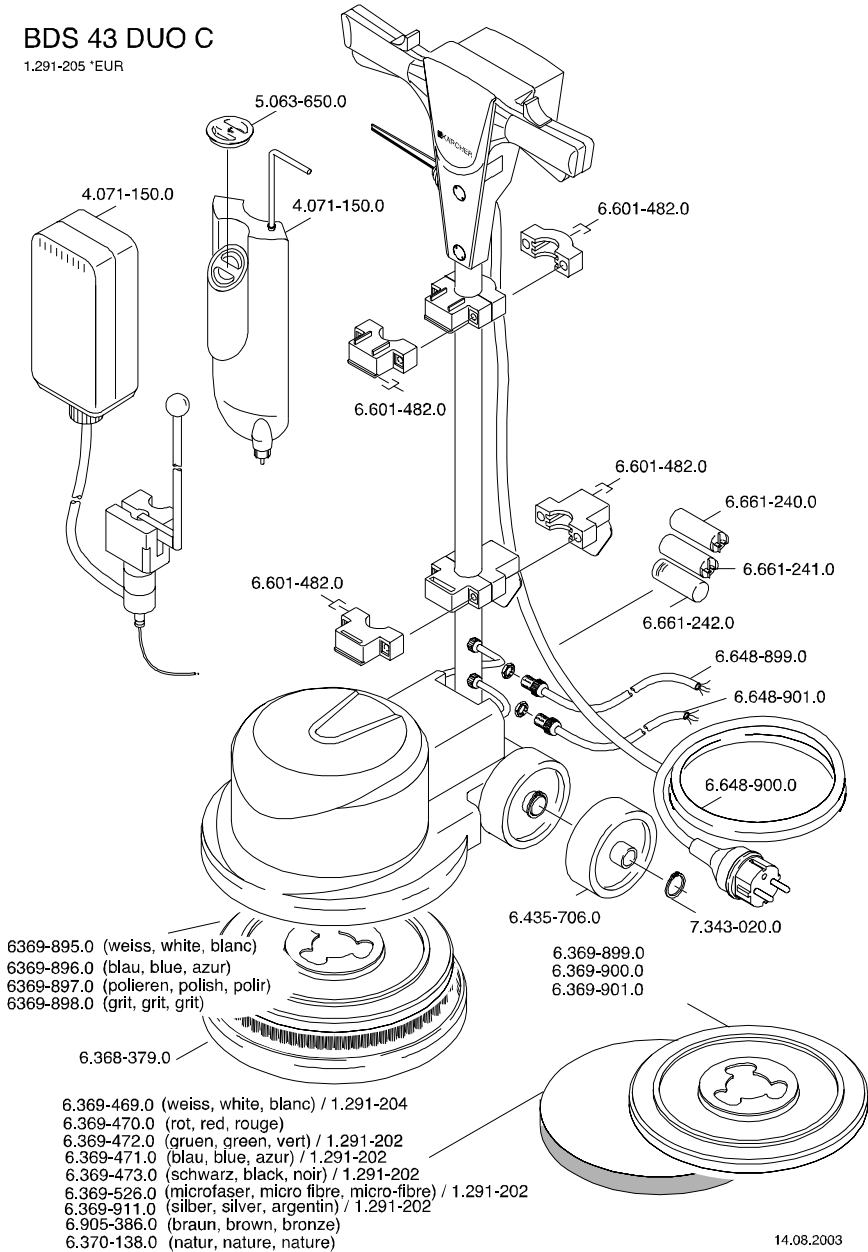
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BDS 43 DUO C

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