

**POWER CUT**

**BTS 930**

**BTS 935**

**BTS 1030**

**BTS 1035**

**FBTS**

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## Foreword

For your own safety and protection from bodily injuries, carefully read, understand and follow the safety instructions in this manual.

Please operate and maintain your Wacker machine in accordance with the instructions in this manual. Your Wacker machine will reward your attention by giving trouble-free operation and a high degree of availability.

Defective machine parts are to be replaced as soon as possible.

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We expressly reserve the right to technical modifications- even without express due notice - which aim at improving our machines or their safety standards.

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## Thank you for purchasing a WACKER product!

Congratulations on choosing a WACKER Power Cut cutoff saw! The WACKER Power Cuts feature specially designed high-performance engines with outstanding power-to-weight ratios, for heavy-duty yet lightweight tools.

Other advantages of the WACKER Power Cuts:

- \*Sturdy construction and high reliability.
- \*Maintenance-free electronic ignition, hermetically sealed to protect against dust and moisture.
- \*Vibration damping with 2-mass system for tireless working even when guiding the Power Cut by hand.
- \*Five-stage air-filter system for reliable working even under very dusty conditions.
- \*Two options for mounting the cutter attachment: Either centrally, for good balance when guiding the unit manually, or on the side, for flush cuts along walls or curbsides or horizontally directly above the ground.
- \*Extensive range of accessories available, such as resinoid-bonded or diamond-tipped cutting discs as well as a guide trolley, water sprinkling system or angled tank filler neck.

We want you to be satisfied with your WACKER product.

In order to guarantee the optimal function and performance of your Power Cut and to ensure your personal safety we would request you to perform the following:

**Read this instruction manual carefully before putting the Power Cut into operation for the first time, and strictly observe the safety regulations! Failure to observe these precautions can lead to severe injury or death!**

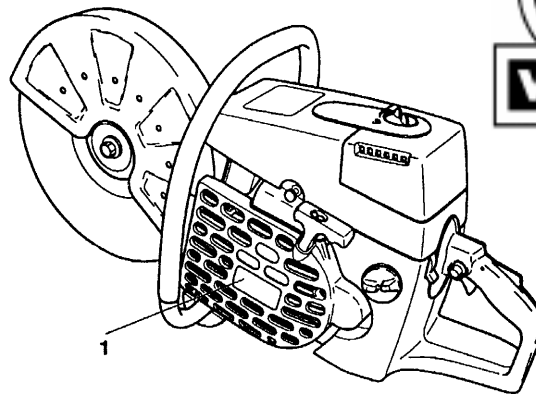
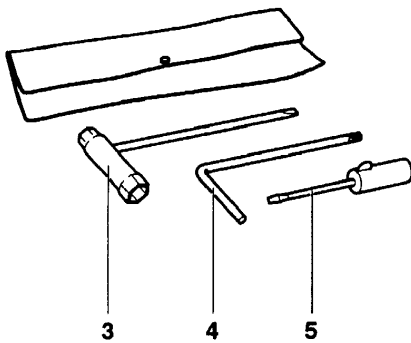


## Packing



Your WACKER Power Cut is packed in a cardboard box to prevent shipping damage.

Cardboard is a basic raw material and is consequently reuseable or suitable for recycling (waste paper recycling).



1. Power Cut
3. Universal wrench 13/19
4. Offset screwdriver
5. Screwdriver for carburetor adjustment
6. Instruction manual (not shown)

In case one of the parts listed should not be included in the delivery inventory, please consult your sales agent.

### Symbols

You will notice the following symbols on the saw and in the Instruction Manual:

	<b>Read instruction manual and follow the warning- and safety precautions!</b>		<b>Combination Start/Stop (I/O) switch, choke</b>
	<b>Particular care and caution!</b>		<b>Locked / Unlocked</b>
	<b>Forbidden!</b>		<b>Press starting valve</b>
	<b>Wear protective helmet, eye and ear protection!</b>		<b>Engine - manual start</b>
	<b>Wear protective gloves!</b>		<b>Working in winter</b>
	<b>Wear respiratory protection!</b>		<b>Stop engine!</b>
	<b>No smoking!</b>		<b>Warning! Kickback!</b>
	<b>No open fire!</b>		<b>Fuel and oil mixture</b>



**Direction of cutting wheel rotation**



**First aid**



**Warning: the max. peripheral speed  
of the cutting disc is 80 m/s!**



**Recycling**



**Cutting disc dimensions**

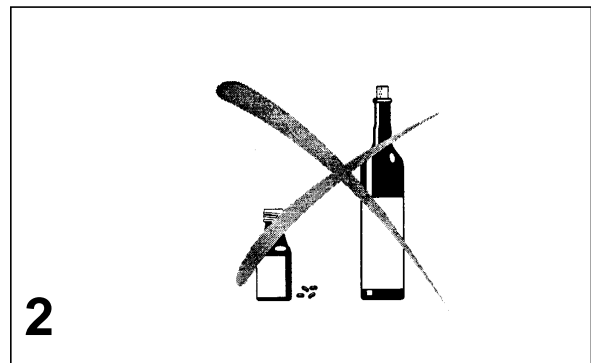
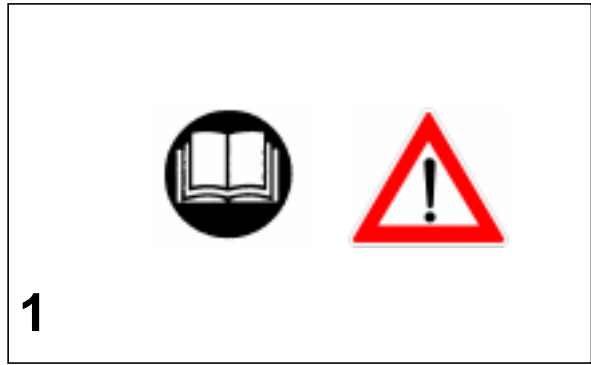


**CE - Marking**



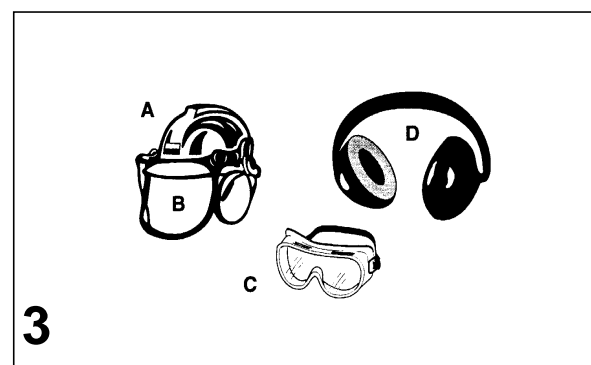
## General precautions

- **The operator MUST read this instruction manual to ensure safe operation (even if you already have experience in using cutoff saws).** It is important to be familiar with the operation of this particular cutoff saw. Users insufficiently informed will endanger themselves as well as others due to improper handling.
- Let only persons who have experience in using cutoff saws work with this unit. When letting another person use the Power Cut, this instruction manual must be provided along with it.
- First-time operators should ask a specialist to instruct them in working with gasoline-powered cutoff saws.
- Children and persons under 18 years of age must not be allowed to use this Power Cut. Persons over the age of 16 years may, however, use the Power Cut for the purpose of being trained as long as they are under the supervision of a qualified trainer.
- Working with the Power Cut requires high concentration.
- Operate the Power Cut only if you are in good physical condition. If you are tired, your attention will be reduced. Be especially careful at the end of a working day. Perform all work calmly and carefully. The user has to accept liability for others.
- Never work while under the influence of alcohol, drugs, medication or other substances which may impair vision, dexterity or judgement.
- A fire extinguisher must be available in the immediate vicinity when working in easily inflammable vegetation or when it has not rained for a long time (danger of fire).
- Asbestos and other materials that can release toxins may be cut only with the necessary safety precautions and after notification of the proper authorities and under their supervision or that of a person appointed by them.

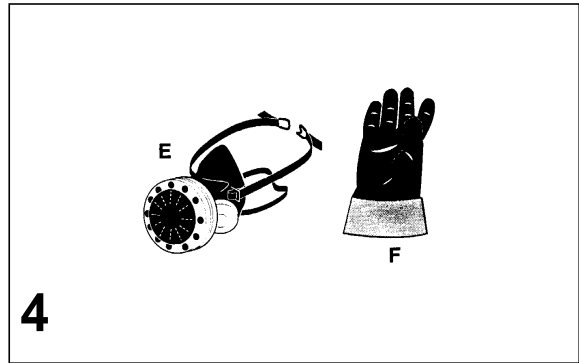


## Personal protective

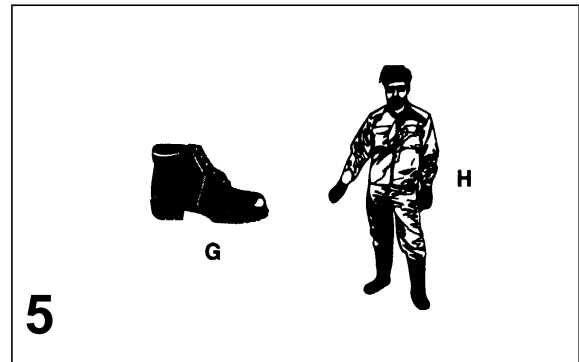
- **In order to avoid head, eye, hand or foot injuries as well as to protect your hearing the following protective equipment must be used during operation of the Power Cut:**
- The kind of clothing should be appropriate, i. e. it should be tight-fitting but not be a hindrance. Clothing in which grains of material can accumulate (trousers with cuffs, jackets and trousers with wide-open pockets, etc.) must not be worn, particularly when cutting metal.
- Do not wear any jewellery or clothing that can get caught or distract from the operation of the Power Cut.
- It is necessary to wear a protective helmet whenever working with the Power Cut. The **protective helmet** (A) is to be checked in regular intervals for damage and is to be replaced after 5 years at the latest. Use only approved protective helmets.



- The helmet **visor** (B) protects the face from dust and material grains. In order to prevent injuries to eyes and face, always wear **protective goggles** (C) or visor when using the Power Cut.
- To prevent hearing damage, always wear suitable personal **hearing protection**. (ear muffs (D), ear plugs, etc.). Octave brand analysis upon request.
- When dry-cutting dust-producing materials such as stone or concrete, always wear approved **respiratory protection** (E).
- **Work gloves** (F) of tough leather are part of the required work kit of the Power Cut and must always be worn when working with the Power Cut.



- Always wear **safety shoes or boots** (G) with steel toes, non-skid soles, and leg protectors when working with the Power Cut. Safety shoes equipped with a protective layer provide protection against cuts and ensure a secure footing.
- Always wear a **work suit** (H) of sturdy material.

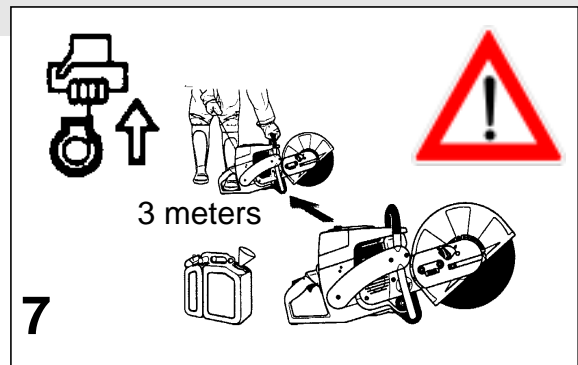


### Fuels / Refuelling

- Go to a safe, level place before refuelling. **Never refuel while on scaffolding, on heaps of material, or in similar places!**
- Switch off the engine before refuelling the Power Cut.
- Do not smoke or work near open fires (6).
- Let the engine cool down before refuelling.
- Fuels can contain substances similar to solvents. Eyes and skin should not come in contact with mineral oil products. Always wear protective gloves when refuelling (not the regular work gloves!). Frequently clean and change protective clothes. Do not breathe in fuel vapors. Inhalation of fuel vapours can be hazardous to your health.
- Do not spill fuel. If a spill occurs, clean off the Power Cut immediately. Fuel should not come in contact with clothes. If your clothes have come in contact with fuel, change them at once.
- Ensure that no fuel oozes into the soil (environmental protection). Use an appropriate base.
- Refuelling is not allowed in closed rooms. Fuel vapors will accumulate near the floor (explosion hazard).
- Ensure to firmly tighten the screw plug of the fuel tank.

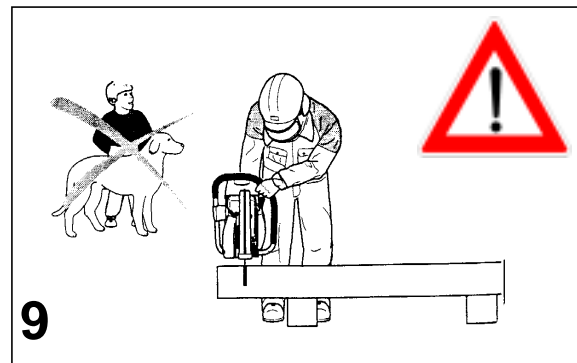
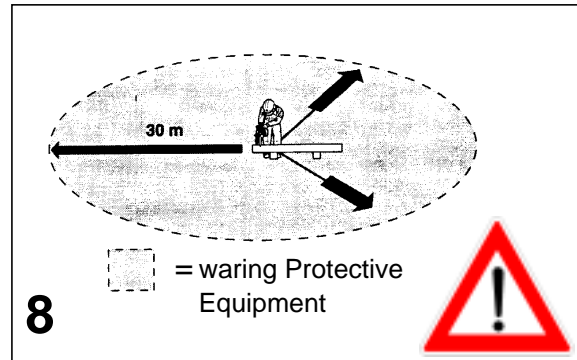


- Before starting the engine, move to a location at least 3 meters (approx. 3 1/4 yards) from where you fuelled the Power Cut (7), but not within the extended swing range of the cutting disc (direction of sparks).
- Fuel cannot be stored for an unlimited period of time. Buy only as much as will be consumed in the near future.
- When making up the gasoline/oil mixture, always put the oil in the mixing container first, and then the gasoline.
- Use only approved and marked containers for the transport and storage of fuel.
- **Keep fuel away from children!**



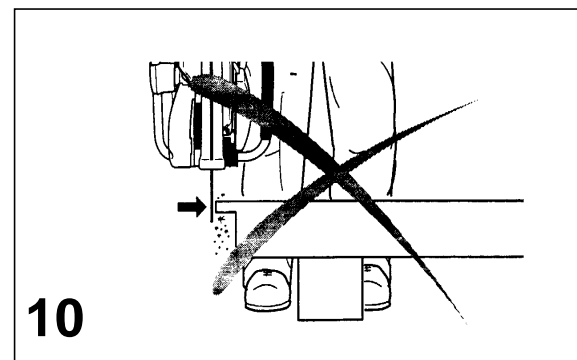
## Putting into operation

- **Do not work on your own. There must be someone around in case of an emergency (within shouting distance).**
- Observe all anti-noise regulations when working in residential areas.
- **Never use the Power Cut near inflammable materials or explosive gases! The Power Cut can create sparks leading to fire or explosion!**
- Make sure that all persons within 30 meters (33 yards), such as other workers, are wearing protective gear (see „Protective Equipment“) (8). Children and other unauthorized persons must remain more than 30 meters away from the working area. Keep an eye out for animals as well (9).
- **Before starting work the Power Cut must be checked for perfect function and operating safety according to the prescriptions.**  
In particular, make sure that the cutting wheel is in good condition (replace immediately if torn, damaged or bent), the cutting wheel is properly mounted, the protective hood is locked in place, the hand guard is properly mounted, the V-belt has the proper tension, the throttle moves easily and the half-throttle lock button functions properly, the grips are clean and dry, and the combination switch functions properly.
- Start the Power Cut only after complete assembly and inspection. Never use the Power Cut when it is not completely assembled.



## Cutoff discs

- **The protection hood must always be on! Change discs only with the engine off!**
  - There are two basic types of cutoff discs:
    - For metal (hot cutting)
    - For masonry (cold cutting)
- NOTE:** When using diamond cutoff discs, always make sure to observe the „direction of rotation“ markings. Diamond discs should not be used for cutting metal.
- Cutoff discs are intended only for radial loading, i.e. for cutting. Do not grind with the sides of the cutting disc! This will break the disc (10)!



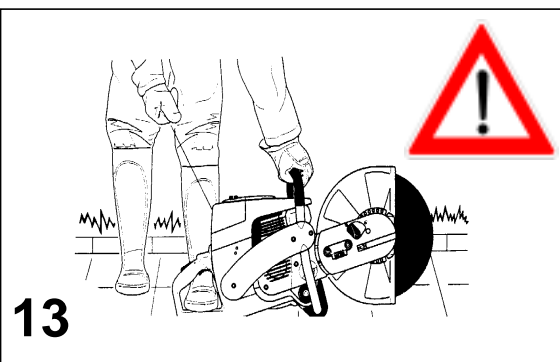
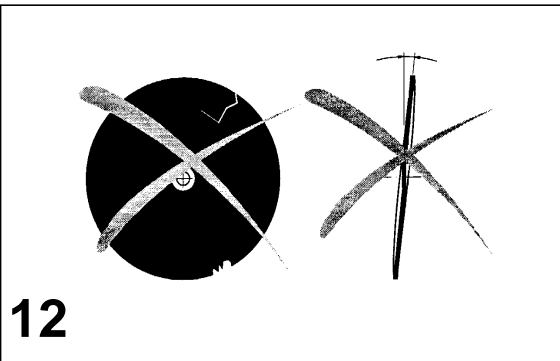
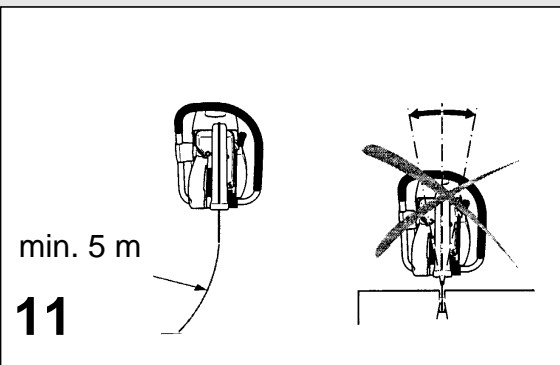
### Caution!

**Never change direction (turning radius less than 5 meters / 5 1/2 yards), exert lateral (sideways) pressure, or tip the Power Cut during cutting (11)!**

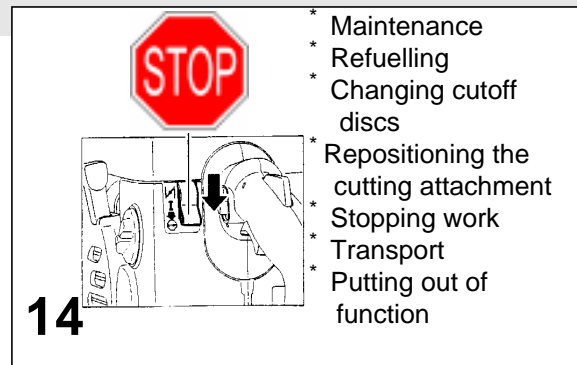
- Use a cutting disc only for cutting the materials it is intended for. The proper type of disc must be used, for either metals or concrete.
- The arbour hole (bore) of the cutting disc must fit the shaft exactly. If the arbour hole is larger than the shaft diameter, a spacer ring must be used (accessories).
- Use only cutting wheels approved by the DSA (German Abrasive Disc Committee) or equivalent organisation for freehand cutting at up to 4370 RPM (= 80 m/sec. at circumference) for 14"/355 mm discs, or up to 5100 RPM (= 80 m/sec. at circumference) for 12"/300 mm discs.
- The disc must be free of defects (12). Make sure by sound testing with a piece of wood. Do not use defective cutting discs.

**Always tighten the cutting disc mounting bolt to a torque of 30 Nm. Otherwise, the cutting disc can twist.**

- Before starting the cutting disc, make sure you have a steady footing.
- Put the Power Cut into operation only as described in this instruction manual (13). Always place your left foot in the rear handle and grasp the other handle firmly (with thumb and fingers). Other starting methods are not allowed.
- When starting the Power Cut it must be well supported and securely held. The cutting disc must not be touching anything.
- If the cutting disc is new, test it by running it at least 60 seconds at top speed. When doing this, make sure that no persons or body parts are in the extended swing range of the disc, in case it is defective and flies apart.
- **When working with the Power Cut always hold it with both hands.** Take the back handle with the right hand and the tubular handle with the left hand. Hold the handles tightly with your thumbs facing your fingers.
- **CAUTION: When you release the throttle lever the disc will keep spinning for a short period of time (free-wheeling effect.).**
- Continuously ensure that you have a safe footing.
- Hold the Power Cut such that you will not breathe in the exhaust gas. Do not work in closed rooms or in deep holes or ditches (danger of poisoning by fumes).
- **Switch off the Power Cut immediately if you observe any changes in its operating behavior.**



- **Switch off the engine before inspecting the V-belt tension or tightening it, replacing the cutting wheel, repositioning the cutter attachment (side or middle position) or eliminating faults (14).**
- Turn off the engine immediately and check the disc if you hear or feel any change in cutting behaviour.
- Turn off the Power Cut when taking a break or stopping work (14). Place the unit in such a way that the disc is not touching anything and cannot endanger anyone.
- Do not put the overheated Power Cut in dry grass or on any inflammable objects. The muffler is very hot (danger of fire).
- **IMPORTANT:** After wet cutting, first turn off the water feed and then let the disc run at least 30 seconds, to fling off the remaining water and prevent corrosion.



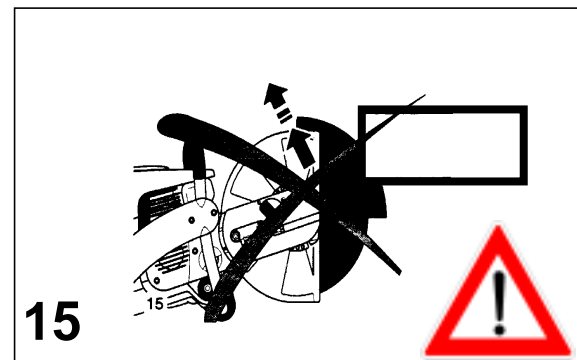
### Kickback and lock-in

- When working with the Power Cut there is a danger of kickback and lock-in.
- Kickback occurs when the top of the cutting disc is used for cutting (15).
- This causes the Power Cut to be thrown back toward the user with great force and out of control. **Risk of injury!**

**To prevent kickback, observe the following:**

- Never cut with the section of the cutting disc shown in figure 15.

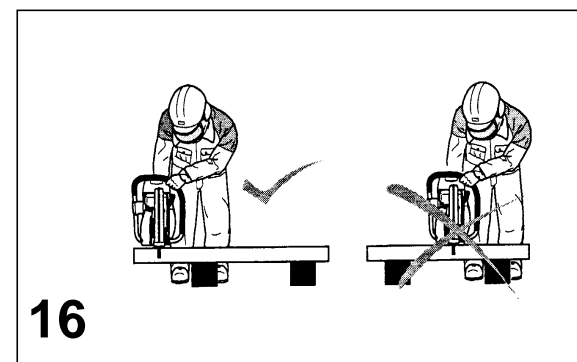
**Be especially careful when reinserting the disc into cuts that have already been started!**



- Lock-in occurs when the cut narrows (crack, or workpiece under stress).
- This causes the Power Cut to suddenly jump forward, out of control and with great force. **Risk of injury!**

**To prevent lock-in, observe the following:**

- When reinserting the disc into previous cuts, have the Power Cut running at top speed. Always cut at top speed.
- Always support the workpiece so that the cut is under tension (16), so that the cut does not press together and jam the cutting disc as it proceeds through the material.
- When starting a cut, apply the disc to the workpiece with care. Do not just shove it into the material.
- Never cut more than one piece at a time! When cutting, make sure that no other workpiece comes into contact.



## Working behavior / Method of working

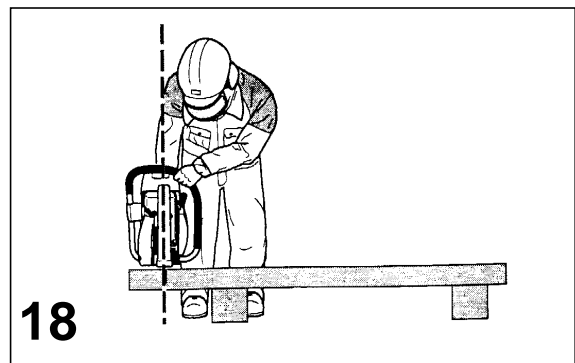
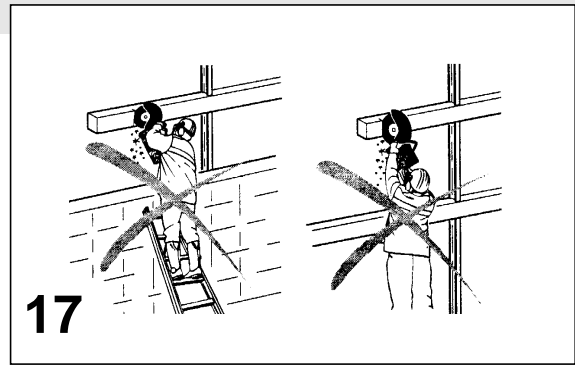
- Before starting work, check the work area for any hazards (electrical wires, inflammable substances). Clearly mark the work area (for example with warning signs or by cordoning off the area).
  - When working with the Power Cut hold it firmly by the front and rear handles. Never leave the Power Cut unattended!
  - Whenever possible run the Power Cut at the rated arbour speed (see „Technical Data“).
  - Only use the Power Cut during good light and visibility periods. Be aware of slippery or wet areas, and of ice and snow (risk of slipping).
  - Never work on unstable surfaces. Make sure that there are no obstacles in the working area, risk of stumbling. Always ensure that you have a safe footing.
  - Never cut above your shoulder height (17).
  - Never stand on a ladder to cut (17).
  - Never use the Power Cut while standing on scaffolding.
  - Do not lean over too far when working. When putting down and picking up the Power Cut, do not bend over from the waist, but instead bend in the knees. Save your back!
  - Guide the Power Cut in such a way that no part of your body is within the extended swing range of the disc (18).
  - Use cutting discs only for the materials for which they are designed!
  - Use cutting discs only for the materials for which they are designed. Do not use the Power Cut to lift up and shovel away pieces of material and other objects.
- Important!** Before cutting, remove all foreign objects, such as rocks, gravel, nails etc. from the cutting area. Otherwise, such objects can be flung away by the disc with great speed. **Injury hazard!**
- When cutting workpieces down to length use a firm support. If necessary, secure the workpiece from slipping, but do not steady it with your foot or allow another person to hold it.
  - When cutting round items, always secure them against rotation.
  - When guiding the Power Cut by hand, use the side mounting position of the cutter attachment only when actually necessary. Otherwise, always use the central position. This gives the unit a better balance, for reduced operator fatigue.

## Cutting metals

### IMPORTANT!

**Always wear approved respiratory protection!**

**Materials that can release toxic substances may be cut only after notifying the proper authorities and under their supervision or that of a person appointed by them.**



### CAUTION!

The rapid rotation of the cutting disc heats metal and melts it at the point of contact. Swing the guard as far down as possible behind the cut (19) in order to direct the stream of sparks forward, away from the operator (fire hazard).

- Determine the direction of cutting, mark the cut and apply the disc to the material at moderate speed, to cut a guide groove before going to top speed and applying more pressure to the Power Cut.
- Keep the disc straight and vertical. Do not tip it, as this can break it.
- The best way to get a good, clean cut is to pull or move the Power Cut back and forth. Do not simply press the disc into the material.
- Thick round stock is best cut in stages (20).
- Thin tubing and pipes can be cut with a simple downward cut.
- Cut large-diameter pipes as for round stock. To prevent tipping and for better control, do not let the disc sink too deeply into the material. Instead, always cut shallow around the whole piece.
- Worn discs have a smaller diameter than new discs, so that at the same engine speed they have a lower effective circumferential speed and therefore do not cut as well.
- Cut I-beams and L-bars in steps; see Figure 21.
- Cut bands and plates like pipes: along the wide side with a long cut.
- When cutting material under stress (supported material or material in structures), always make a notch in the thrust (pressure) side, and then cut from the tension side, so that the disc does not lock in (22).  
**Secure cutoff material from falling!**

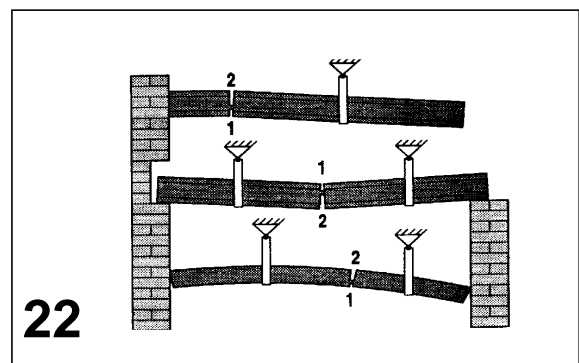
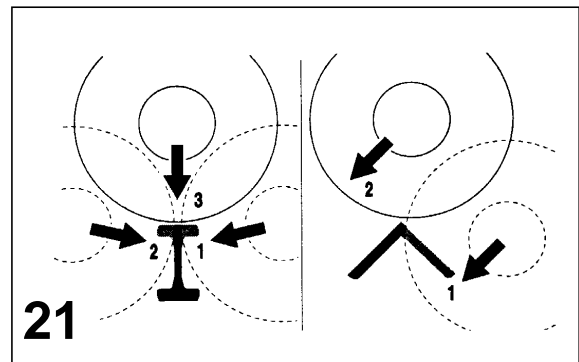
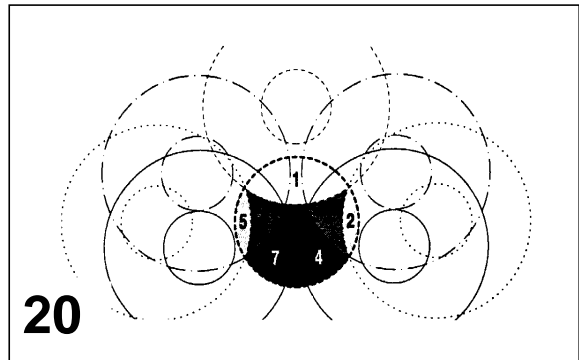
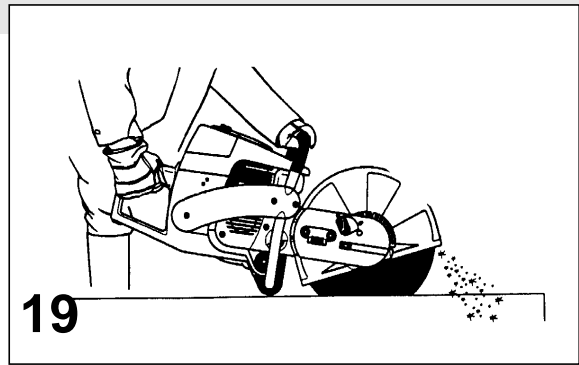
### CAUTION!

If there is a chance that the material is under stress, be prepared for it to kick back. Make sure you can get out of the way if you have to!

Be particularly careful in scrap-metal yards, junkyards, at accident sites, and with haphazard piles of material. Precariously balanced pieces or pieces under stress can act in unpredictable ways, and may slide, jump out, or burst. Secure cutoff material from falling (22)! Always exercise extreme caution and use only equipment that is in perfect working order.

Observe the accident-prevention rules and regulations of your employer and/or insurance organization.

Cutting masonry concrete, asbestos or asphalt.





### IMPORTANT!

**Always wear approved respiratory protection!**

Asbestos and other materials that can release toxic substances may be cut only after notifying the proper authorities and under their supervision or that of a person appointed by them. When cutting prestressed and reinforced concrete piles, follow the instructions and standards of the responsible authorities or the builder of the structural member. Reinforcement rods must be cut in the prescribed sequence and in accordance with applicable safety regulations.

### NOTE!

Mortar, stone, and concrete develop large quantities of dust during cutting. To increase the lifetime of the cutting disc (by cooling), to improve visibility, and to avoid excessive dust creation, we strongly recommend wet cutting instead of dry cutting.

In wet cutting, the disc is wetted at an equal rate on both sides by a trickle of water. WACKER offers the right accessories for all wet cutting applications (see also "SPECIAL ACCESSORIES").

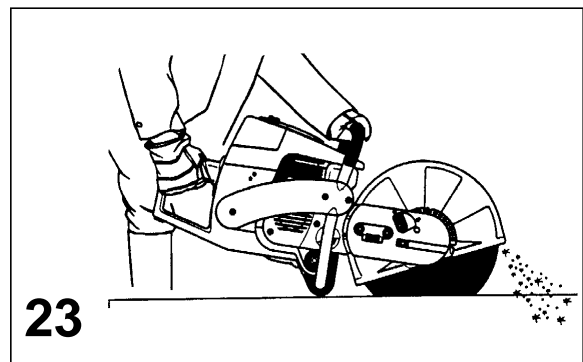
- Remove foreign objects such as sand, stones and nails found within the working area. **Caution: Watch out for electric wires and cables!**

**The rapid rotation of the cutting disc at the point of contact throws fragments out of the cut groove at high speed. For your safety, swing the protection hood down as far as possible behind the cut (23), so that material fragments are thrown forward, away from the operator.**

- Mark the cut, and then make a groove about 5 mm (just under 1/5") along the entire length of the planned cut. This groove will then guide the Power Cut accurately during the actual cutoff.

### NOTE:

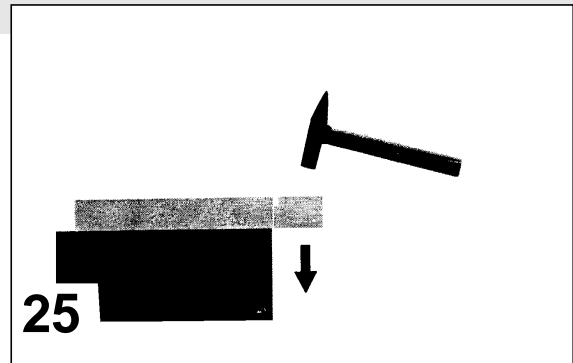
For long, straight cuts we recommend using a trolley (24, see also "SPECIAL ACCESSORIES"). This makes it much easier to guide the unit straight.



- When cutting slabs to size, you need not cut through the entire material thickness (creating unnecessary dust). Instead, simply make a shallow groove, and then knock off the excess material cleanly on a flat surface (25).

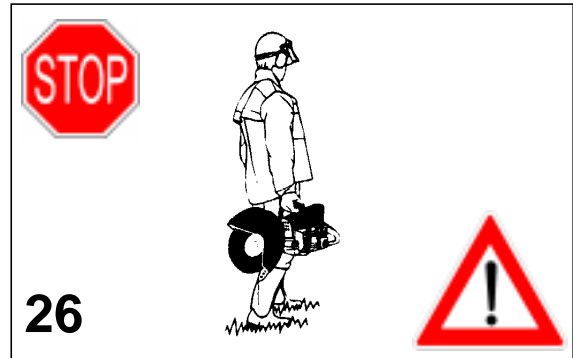
#### **CAREFUL!**

When cutting into lengths, cutting through material, making cutouts, etc., always make sure to plan the direction and sequence of cuts in such a way that the disc does not get jammed by the cut-off piece, and that no persons can be injured by falling pieces.



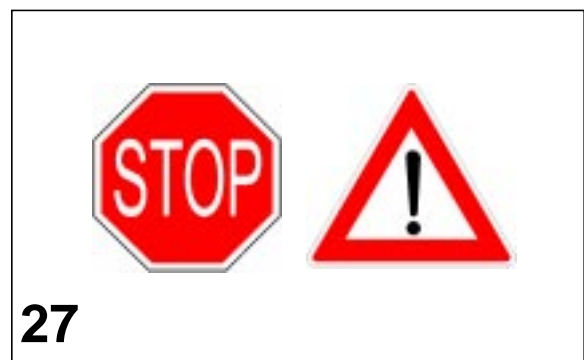
#### **Transport and storage**

- **Always turn off the Power Cut when transporting it or moving it from place to place on a site (26).**
- **Never carry or move the unit with the engine on or the disc moving!**
- Carry the unit only by the tubular (middle) handle with the cutting disc pointing behind you (26). Avoid touching the exhaust muffler (burn hazard!).
- When moving the Power Cut over longer distances, use a wheelbarrow or wagon.
- When transporting the Power Cut in a vehicle, make sure it is securely positioned in such a way that no fuel can leak out. Always remove the cutting disc before transporting the unit in a vehicle.
- The Power Cut should be stored safely in a dry place. It must not be left outdoors! Always dismount the cutting disc before storage. Keep the Power Cut away from children.
- **Before long-term storage and before shipping the Power Cut, follow the instructions in the chapter on "Periodic care and maintenance". ALWAYS empty the fuel tank and run the carburetor dry.**
- When putting cutting discs in storage, be careful to:
  - Clean and dry them well.
  - Store them lying down flat.
- Avoid dampness, freezing temperatures, direct sunshine, high temperatures and temperature fluctuations, as these can cause breakage and splintering.
- **Always check new cutting discs or cutting discs that have been in storage to make sure that they are free of defects.**



#### **Maintenance**

- **Before performing maintenance work switch off the Power Cut (27) and pull out the plug cap.**
- Always check the Power Cut before using it to make sure that it is in good working order. In particular, make sure that the cutting disc is properly mounted. Make sure that the cutting wheel is undamaged and suitable for the job it will be used for.
- Operate the Power Cut only at a low noise and emission level. For this ensure the carburetor is



adjusted correctly.

- Clean the Power Cut regularly.
- Check the fuel tank cap regularly for good sealing.

**Observe the accident prevention instructions issued by trade associations and insurance companies. NEVER make any modifications to the Power Cut! You will only be putting your own safety at risk!**

Perform only the maintenance and repair works described in the instruction manual. All other work must be carried out by WACKER Service.

Use only original WACKER spares and accessories.

The use of non-WACKER spares, accessories, or cutting discs increases the risk of accident. We cannot accept any responsibility for accidents or damage occurring in association with the use of cutting discs or accessories other than original WACKER.

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**SERVICE**

### First aid

For the event of a possible accident, please make sure that a first aid kit is always immediately available close by. Immediately replace any items used from the first aid box.

**When calling for help, give the following information:**

- Place of the accident
- What happened
- Number of injured people
- Kind of injuries
- Your name!

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### NOTE

Individuals with poor circulation who are exposed to excessive vibration may experience injury to blood vessels or the nervous system.

Vibration may cause the following symptoms to occur in the fingers, hands or wrists: "Falling asleep" (numbness), tingling, pain, stabbing sensation, alteration of skin colour or of the skin.

**If any of these symptoms occur, see a physician!**



		BTS 930	BTS 935
Item no.		0008340 ...	0008341 ...
Displacement	cm <sup>3</sup>	64	
Bore	mm	46	
Stroke	mm	37	
Max. power	kW	3,3	
Max. torque	Nm	4,0	
Idling speed	1/min	2.500	
Clutch engagement speed	1/min	3.800	
Engine speed limitation	1/min	9.350	
Max. spindle speed	1/min	4.300	
Sound pressure level $L_{pA\ eq}$ per EN 1454 <sup>1) 4)</sup>	dB (A)	97	
Vibration acceleration $a_{h,w}$ per EN 1454 - Tubular handle (idle/rated spindle speed) - Rear handle (idle/rated spindle speed)	m/s <sup>2</sup>	7 / 5 8 / 6	
Carburetor (diaphragm carburetor)	Type	TILLOTSON HS-273 A	
Ignition system (with speed limitation)	Type	electronic	
Spark plug	Type	NGK BPMR 7A / BOSCH WSR 6F / CHAMPION RCJ 6Y	
Electrode gap	mm	0,5	
Fuel consumption at max. load per ISO 8893	kg/h	1,65	
Specific consumption at max. load per ISO 8893	g/kWh	500	
Fuel tank capacity	l	1,1	
Mixture ratio fuel/two-stroke oil <sup>5)</sup>		50:1	
Cutting disc for 80 m/sec: <sup>2)</sup> dimensions	mm	300 / 20,0 / 5 <sup>3)</sup>	
Arbor diameter	mm	20,0	25,4
Overall weight (tanks empty, without cutting disc)	kg	9,7	9,9

<sup>1)</sup> Figures derived in equal part from idle and max.-speed operation.

<sup>2)</sup> Circumference speed at max. engine speed.

<sup>3)</sup> Outside diameter / arbor hole / thickness.

<sup>4)</sup> At the workplace (at user's ear).

<sup>5)</sup> With 2-cycle engine oil according to API TC, JASO FC or ISO EGD specifications.

		<b>BTS 1030</b>	<b>BTS 1035</b>
Item no.		0008339 ...	0007975 ...
Displacement	cm <sup>3</sup>	73	
Bore	mm	50	
Stroke	mm	37	
Max. power	kW	4,2	
Max. torque	Nm	5,0	
Idling speed	1/min	2.500	
Clutch engagement speed	1/min	3.800	
Engine speed limitation	1/min	9.350	
Max. spindle speed	1/min	4.300	
Sound pressure level $L_{pA\ eq}$ per EN 1454 <sup>1) 4)</sup>	dB (A)	99	
Vibration acceleration $a_{h,w}$ per EN 1454 - Tubular handle (idle/rated spindle speed) - Rear handle (idle/rated spindle speed)	m/s <sup>2</sup>	7 / 5 8 / 7	
Carburetor (diaphragm carburetor)	Type	TILLOTSON HS-273 A	
Ignition system (with speed limitation)	Type	electronic	
Spark plug	Type	NGK BPMR 7A / BOSCH WSR 6F / CHAMPION RCJ 6Y	
Electrode gap	mm	0,5	
Fuel consumption at max. load per ISO 8893	kg/h	2,1	
Specific consumption at max. load per ISO 8893	g/kWh	500	
Fuel tank capacity	l	1,1	
Mixture ratio fuel/two-stroke oi <sup>5)</sup>		50:1	
Cutting disc for 80 m/sec: <sup>2)</sup> dimensions	mm	350 / 25,4 / 5 <sup>3)</sup>	
Arbor diameter	mm	20,0	25,4
Overall weight (tanks empty, without cutting disc)	kg	9,8	10

<sup>1)</sup> Figures derived in equal part from idle and max.-speed operation.

<sup>2)</sup> Circumference speed at max. engine speed.

<sup>3)</sup> Outside diameter / arbor hole / thickness.

<sup>4)</sup> At the workplace (at user's ear).

<sup>5)</sup> With 2-cycle engine oil according to API TC, JASO FC or ISO EGD specifications.

**WACKER**  
Wacker - Werke GmbH & Co. KG  
Preußenstr. 41 D-80809 München

Typ

Art.-Nr.  Version  Masch.-Nr.

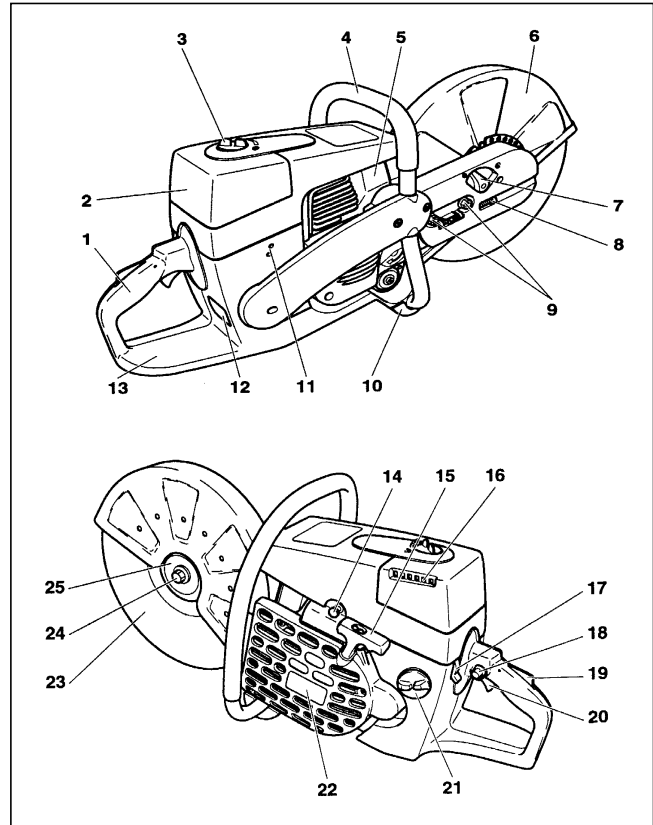
Gewicht  kW

Baujahr

MADE IN GERMANY

Identification plate (12)  
Indicate when ordering spare parts

- 1 Handle
- 2 Filter cover for air filter and spark plug cap
- 3 Cover lock
- 4 Tubular handle
- 5 Muffler
- 6 Protection hood
- 7 Hood lock
- 8 V-belt tension adjusting screw
- 9 Retaining nuts
- 10 Base
- 11 Carburetor adjustment opening
- 12 Identification plate
- 13 Fuel tank with handle
- 14 Starting valve
- 15 Starter grip
- 16 Air intake
- 17 Combination Start/Stop (I/O) switch, choke
- 18 Stop knob for halfway throttle
- 19 Safety locking button
- 20 Throttle lever
- 21 Fuel tank plug
- 22 Fan housing with starting assembly
- 23 Cutting disc
- 24 Disc bolt
- 25 Spring washer



## CAUTION:

**Always turn off the engine and pull off the spark plug cap before doing any work on the Power Cut! Always wear protective gloves!**

## CAUTION:

**Start the Power Cut only after complete assembly and inspection.**

For the the following work, use the assembly tools included with delivery:

1. 13/19 AF combination wrench
2. Allen key
3. Carburetor adjustment screwdriver

Place the Power Cut on a stable surface and carry out the following assembly steps:

### Mounting the cutting disc



**Inspect the disc for damage.**

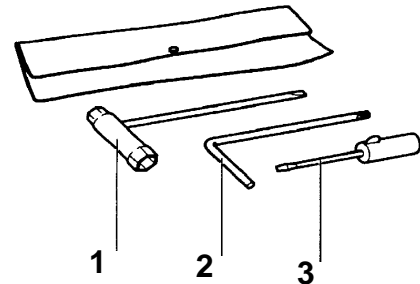
**See SAFETY INSTRUCTIONS, Page 6.**

Unscrew screw (9) and remove the spring washer (8).

Place the cutting disc (5) on the arbour (7).



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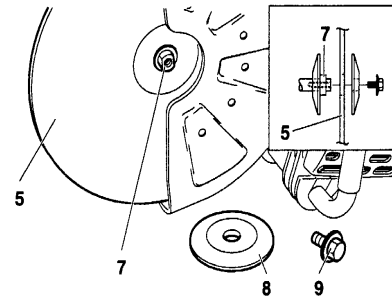


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## CAUTION:

**When using a diamond cutting disc be sure to mount it so that it rotates in the proper direction!**



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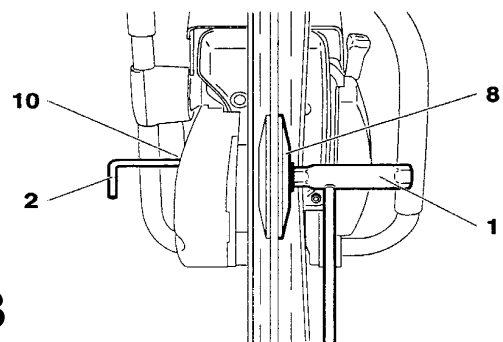
Place the spring washer (8) on the arbour and insert the screw (32/9) and tighten by hand.

Slowly turn the cutting disc until the stop hole of the V-belt wheel is visible in the drive-arm hole (10).

Insert the Allen key (2) as far as it will go. The shaft is now blocked.

Tighten the screw with the combination wrench (1).

**NOTE:** Tighten the screw firmly ( $30 \pm 2$  Nm), as otherwise the cutting wheel may slip during cutting.



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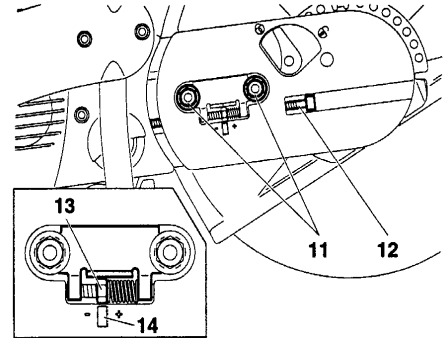
### IMPORTANT:

Exact V-belt tension is essential for maximum cutting performance with minimum fuel consumption. Improper V-belt tension will result in premature wear to the V-belt and V-belt wheel or damage to the clutch bearing. Retighten new V-belt after first running hour!



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**NOTE:** The two fastening nuts (11) must be loosened before tightening the V-belt or checking the tension. To increase the belt tension, turn the tightening screw (12) to the right (clockwise) with the combination wrench included with the Power Cut. The belt tension is correctly adjusted when the nut (13) is centred on the mark (14).



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**IMPORTANT:** After tightening/inspection, make certain to tighten the fastening nuts (11) ( $30 \pm 2$  Nm).

**CAUTION:**

The Power Cut uses mineral-oil products (gasoline and oil).

Be especially careful when handling gasoline.

Do not smoke. Do not allow gasoline to come near flames, sparks or fire (explosion hazard).

**Fuel mixture**

The Power Cut is powered by a high-performance two-stroke engine. It runs on a mixture of gasoline and two-stroke engine oil.

The engine is designed for unleaded regular gasoline with a min. octane value of 91 ROZ. In case no such fuel is available, you can use fuel with a higher octane value. This will not affect the engine.

**In order to obtain an optimum engine output and to protect your health and the environment use unleaded fuel only.**

The 2-cycle engine oil must comply with API TC, JASO FC or ISO EGD specifications.



Gasoline

50:1



1000 cm <sup>3</sup>	(1 litre)
5000 cm <sup>3</sup>	(5 litre)
10000 cm <sup>3</sup>	(10 litre)

20 cm <sup>3</sup>
100 cm <sup>3</sup>
200 cm <sup>3</sup>

**The correct mixture ratio:**

50:1 50 parts gasoline to 1 part oil.

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**NOTE:** For preparing the fuel-oil mixture first mix the entire oil quantity with half of the fuel required, then add the remaining fuel. Shake the finished mixture thoroughly before pouring it into the Power Cut tank.

**CAUTION:** Open the tank cap carefully, as pressure might have built up inside!

**It is not wise to add more engine oil than specified to ensure safe operation. This will only result in a higher production of combustion residues which will pollute the environment and clog the exhaust channel in the cylinder as well as the muffler. In addition, fuel consumption will rise and performance will decrease.**

**Fuel storage**

Fuels have only a limited shelf-life. Buy only as much as you will use in 4 weeks.

**Store fuel only in approved and marked containers.**

**AVOID SKIN AND EYE CONTACT**

Mineral oil products degrease your skin. If your skin comes in contact with these substances repeatedly and for an extended period of time, it will dry out. Various skin diseases may result. In addition, allergic reactions are known to occur. Eyes can be irritated by contact with oil. If oil comes into your eyes, immediately wash them with clear water.

If your eyes are still irritated, see a doctor immediately!

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## Refuelling

**IMPORTANT: FOLLOW THE SAFETY PRECAUTIONS BY ALL MEANS!**

**Be careful and cautious when handling fuels.**

**The engine must be turned off and cooled down!**

Carefully clean the area around the fuel-tank filler neck to keep dirt from getting in the tank.

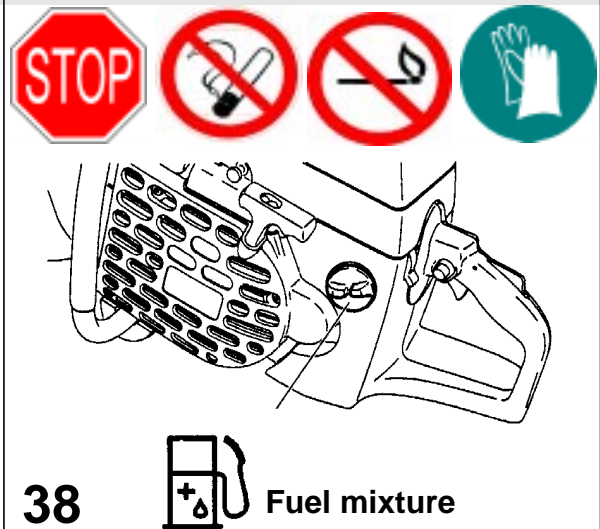
Place the unit on its side on an even surface.

Unscrew the tank cap and fill tank with fuel mixture.

Take care to avoid spilling.

Tightly screw on the plug.

**Clean screw plug and tank after refuelling. Never start or operate the Power Cut in the same place as it was fuelled!**

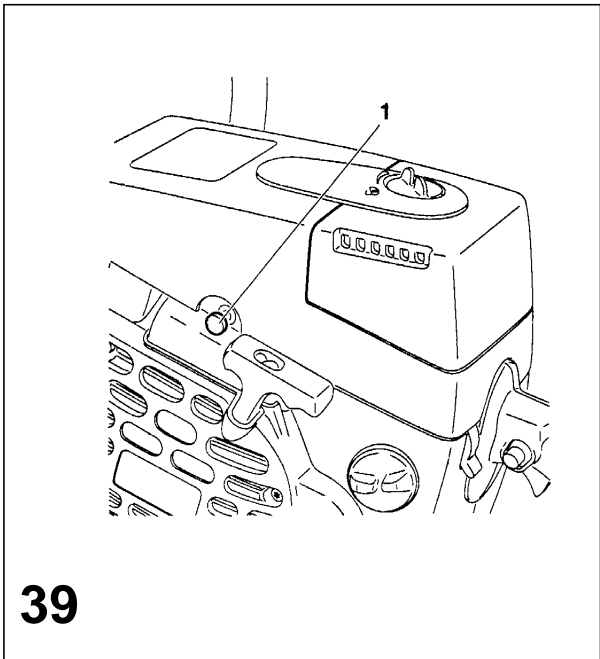


## Starting the engine



This model features a semiautomatic starting valve (1) (Happy-Start) to make starting easier. Pushing this valve in reduces the amount of compression effort needed, so that it is easier to bring the engine up to starting speed when pulling the starter cable.

The high pressure increase in the combustion chamber that results from the first ignitions will automatically close the starting valve (button pops back out).



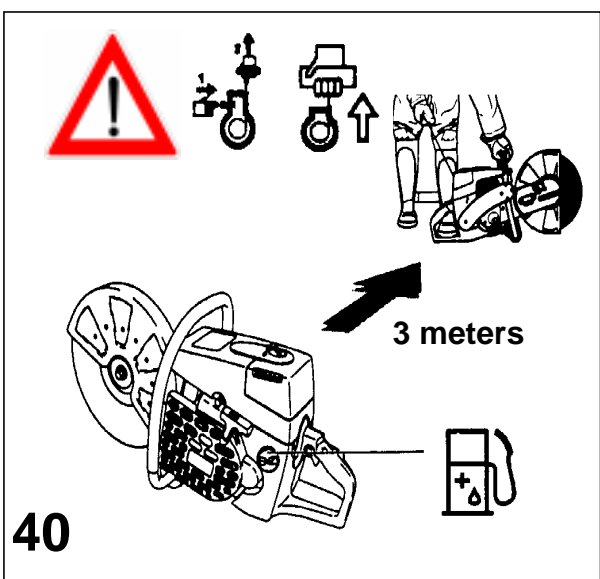
## CAUTION:

**Observe the SAFETY INSTRUCTIONS!**


**Start the Power Cut only after complete assembly and inspection!**

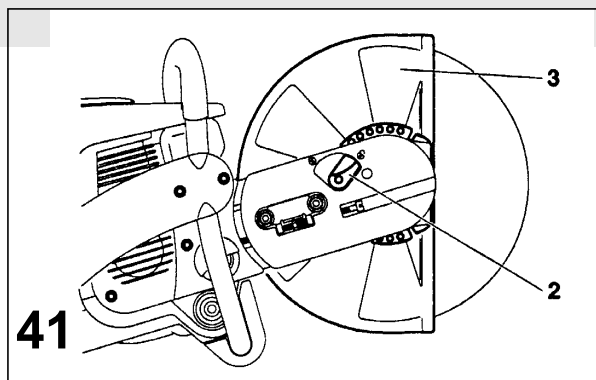
**Move at least 3 m away from the place where you fuelled the Power Cut.**

**Make sure you have a good footing, and place the Power Cut on the ground in such a way that the cutting disc is not touching anything.**



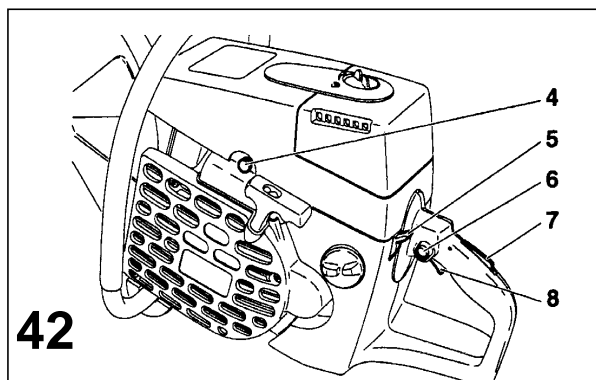


Turn the hood lock (2) to position  and hold it there. Pivot the hood (3) back as far as it will go. Release the hood lock and pivot the hood lightly back and forth until the lock engages.



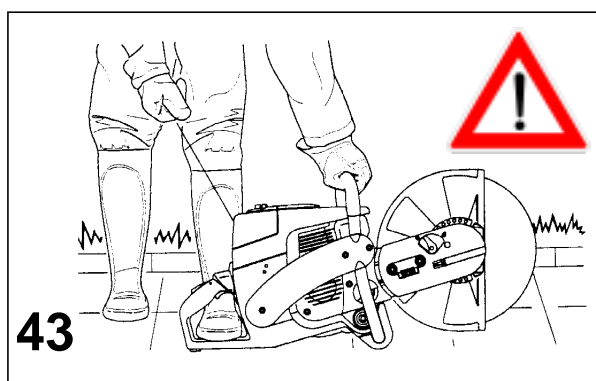
## Cold-starting

Move the combination switch (5) up (choke position). Grasp handle (hand pressure actuates the grip throttle lever lock (7)). Push the throttle (8) in all the way and hold it. Press the throttle lock (6) and release the throttle (8) (the throttle lock will hold the throttle at half-throttle position). Push the starting valve (4).



Grasp the tubular handle firmly with one hand and press the Power Cut against the ground: Place the tip of your left foot in the rear handle. Slowly pull out the starter cable until you notice resistance (the piston is positioned before the top dead centre). Now pull the starter cable with a fast and forceful movement until you hear the first ignition.

**Caution:** Do not pull out the starter cable more than approx. 50 cm, and lead it back by hand. Press in the starting valve (42/4) in again. Put the combination switch (42/5) in position "I". Keep pulling the starter cable until the engine catches. As soon as the engine is running, press the throttle (42/8) to release the half-throttle lock (42/6), allowing the engine to idle.

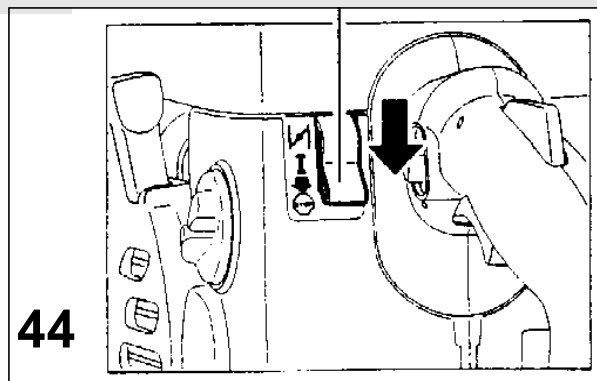


## Warm-starting

As described under „Cold starting“, except without putting the combination switch (42/5) in choke position.

## Stopping the engine

Push the combination switch (1) down to position 




## Working in winter

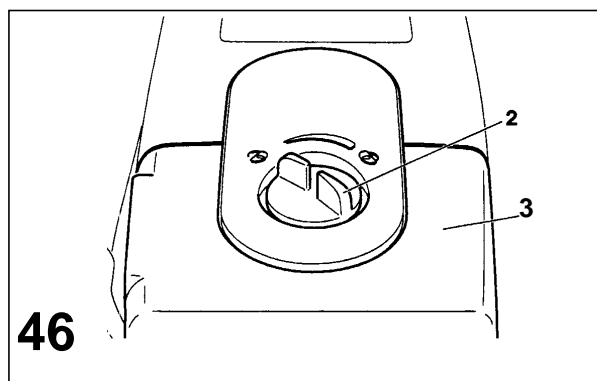
In conditions of low temperatures and high humidity the carburetor can ice up. To prevent this, at temperatures below 0° C / 32° F hot air from the cylinder chamber can be inducted. This also brings the engine to operating temperature faster.

**At temperatures above freezing the carburetor must NOT be fed heated air.**

**Failure to follow these instructions can lead to damage to the cylinder and piston!**



Turn the cover lock (2) to the “unlocked”  “ position and carefully remove the filter cover (3).

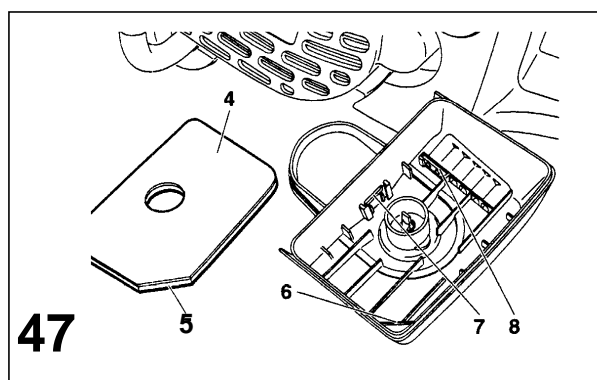


Take the filter element (4) out of the filter cover.

Take the summer-winter insert out of the summer position (7) and press it in as illustrated in the winter position (8).

**NOTE:** At temperatures over 0° C / 32° F the summer-winter insert should always be placed in the summer position (7).

**NOTE:** When placing the filter element (4) in the filter cover, position it with the angled corner (5) against the angled corner in the inside of the cover.







## Adjusting the carburetor



**NOTE:** The Power cut has been equipped with an electronic ignition to limit the speed. The carburetor also has a fixed jet which cannot be adjusted.

At the factory the idling speed has been set to approx. 2.300 1/min., but the running-in process of a new engine may require slight readjustment of the idling speed.

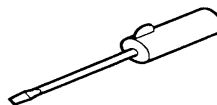
For correct adjustment of the idling speed the following steps must be carried out:

**Start the engine and run it until it is warm** (about 3 - 5 minutes).

Set the idling speed with a screwdriver (width of blade: 4 mm).

The screwdriver shown has a molded-on lug to assist in adjustment.

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Readjust the idling speed.

If the cut-off disc is still turning when the engine is running, unscrew the adjusting screw of the throttle valve (9) until the cut-off disc is no longer turning. If the engine stops when running at idle speed, turn the screw back in slightly.

Now the acceleration from idling speed to maximum speed must be tested by abruptly operating the throttle lever. If the acceleration is too slow, the idling speed jet screw (10) must be loosened slightly (max. 1/8 of a revolution) and the throttle valve adjusting screw (9) tightened slightly.

**If it is not possible to adjust the engine as described above, it will be necessary to undertake a basic adjustment with the engine switched off.**

**Switch off the engine.**

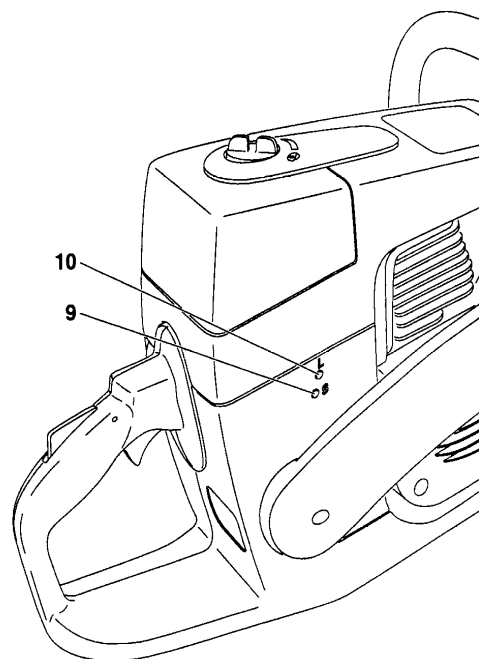
### Basic adjustment

Carefully screw the idling speed jet screw (10) to the right (in a clockwise direction) until it comes to a noticeable stop.

Now unscrew the adjusting screw approx. 1 1/8 of a revolution to the left (in an anti-clockwise direction).

### Start the engine

The idling speed and the acceleration can be corrected by turning the idling speed jet screw (10). Turn in the screw to speed up, and turn out the screw to speed down the engine.



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## CAUTION:

Before doing any work on the Power Cut turn off the engine, remove the cutting disc, pull the plug cap off the spark plug and wear protective gloves!

## CAUTION:

Start the Power Cut only after complete assembly and inspection.



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## IMPORTANT:

Because many of the parts and assemblies not mentioned in this Instruction Manual are vital to the safety of the unit, and because all parts are subject to a certain amount of wear and tear, it is important for your own safety that you have the unit checked and maintained regularly by a WACKER service station.



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## IMPORTANT:

If the cutting wheel breaks during cutting, the Power Cut must be repaired by a WACKER service station before being used again!

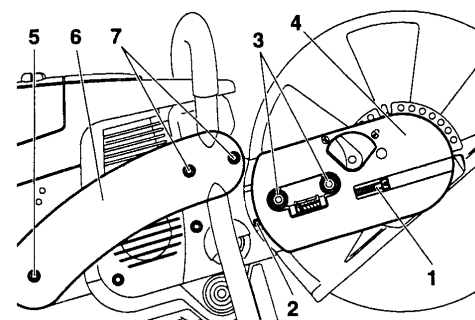
## Changing the V-belt

Loosen nuts (3).

Loosen the tightening screw (1) (counter-clockwise) until the end of the screw (2) is visible in the gap.

Unscrew the nuts (3) and remove the cover (4).

Remove the screws (5) and (7) and remove the side piece (6).



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## NOTE:

Screw (5) is longer than screws (7). Make sure to put them back in the right places during reassembly!

Unscrew screws (8) and remove the crankcase housing cover (9).

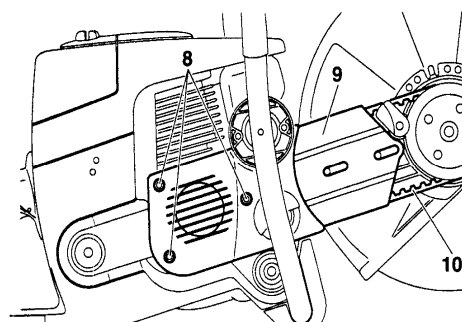
Remove the old belt (10) or belt pieces. Clean out the inside of the drive arm with a brush.

Put in a new V-belt.

## NOTE:

Reassemble the crankcase housing cover (9), side piece (53/6) and cover (53/4) in the reverse order.

To tighten the V-belt see "Tightening the V-belt / Checking V-belt tension".



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## Cleaning the protection hood

Over time, the inside of the protective hood can become caked with material residue (especially from wet cutting), which if allowed to accumulate can hinder the free rotation of the cutting disc. For this reason the hood must be cleaned out from time to time. Take off the cutting wheel with spring washer and remove the accumulated material from inside the hood with a strip of wood or similar implement. Clean the shaft and all disassembled parts with a cloth.



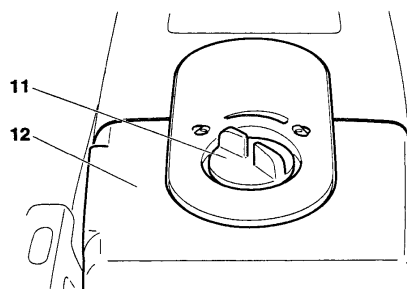
55

**NOTE:** To install the cutting wheel see “Mounting the cutting wheel”.

## Cleaning / changing the air filter

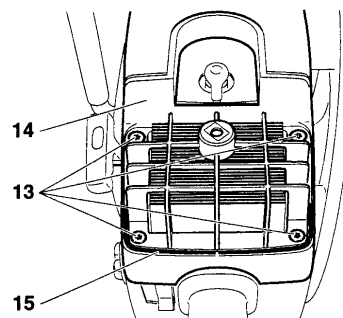


Turn the cover lock (11) to the “Unlocked “ position and carefully remove the filter cover (12). There is an O-ring (57/15) between the filter cover (12) and the air filter hood (57/14).



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Unscrew the screws (13) and remove the air filter hood (14). Clean the O-ring (15) with a brush and inspect for damage.



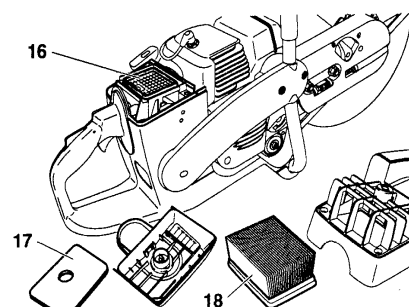
57

Remove the foam prefilter (17) from the filter cover. Pull the paper cartridge (18) from the hood. Remove the inner filter (16) from the intake opening.

### **Note:**

**Do not allow dirt to get into the carburetor!**

Switch the combination switch to “Choke” or cover the carburetor with a clean cloth.



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### IMPORTANT:

Do not use fuel to clean the foam prefilter and inner filter!

If the foam prefilter (1) and inner filter (2) are dirty, wash them with dishwashing liquid in lukewarm water.

**Dry thoroughly!**

### NOTE:

Under very dusty conditions it will be necessary to clean the foam prefilter daily. If this is not possible on-site, have a sufficient supply of reserve foam prefilters on hand.

When placing the foam prefilter in the filter cover position it with the angled corner (3) against the angled corner in the inside of the cover (4) and press into the filter cover.

### Paper cartridge

The paper cartridge (5) filters the intake air through a very fine paper filter laminate system. For this reason it must never be washed.

Clean paper cartridge every week.

Spread the paper filter a little and tap it out on a clean surface.

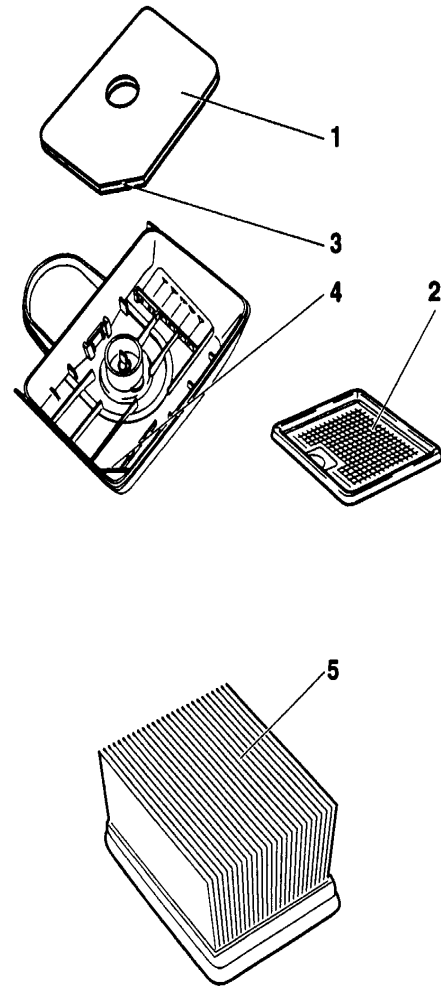
Replace the cartridge periodically, and especially in case of poor performance, reduced engine speed, or smoky exhaust.

Before reassembling the filter system, check the intake opening for dirt particles, and remove any found.

### CAUTION:

**If the air filter becomes damaged, replace immediately!**

**Pieces of cloth or large dirt particles can destroy the engine!**



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## Replacing the spark plug



### CAUTION:

**Do not touch the spark plug or plug cap if the engine is running (high voltage).**

**Switch off the engine before starting any maintenance work.**

**A hot engine can cause burns. Wear protective gloves!**

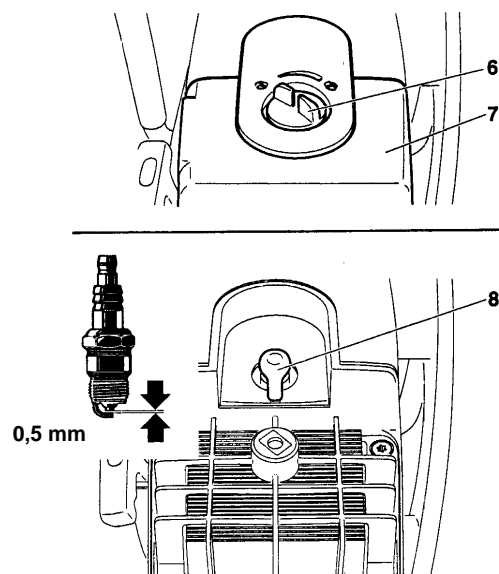
The spark plug must be replaced in case of damage to the insulator, electrode erosion (burn) or if the electrodes are very dirty or oily.

Turn the cover lock (6) to the "Unlocked" position and carefully remove the filter cover (7).

Pull the plug cap (8) off the spark plug. Use only the combination wrench supplied with the saw to remove the spark plug.

### Electrode gap

The electrode gap must be 0.5 mm.



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## Checking the ignition spark

Insert the combination wrench (9) between the hood and cylinder only as shown.

### CAUTION!

Do not insert the combination tool into the spark plug hole, but make contact only with the cylinder (otherwise you may damage the engine).

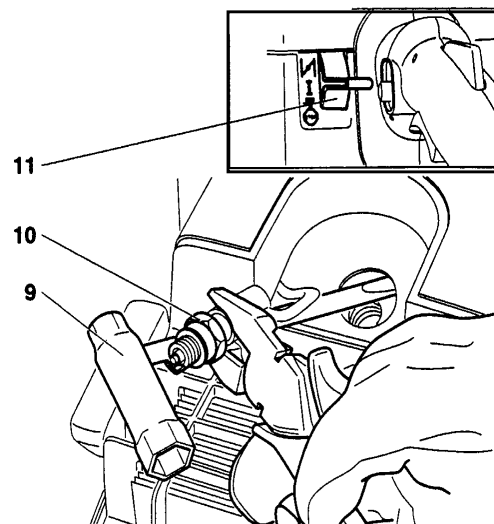
Using insulated pliers, hold the spark plug (10) (unscrewed but with the plug cap on) against the combination tool (away from the spark plug hole!).

Switch the combination switch (11) to "I".

Pull the starter cable hard.

If the function is correct, an ignition spark must be visible near the electrodes.

**CAUTION:** Use only BOSCH WSR 6F spark plug, CHAMPION RCJ-6Y or NGK BPMR 7A.



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## Replacing the suction head

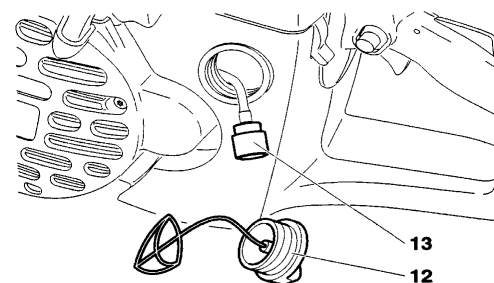
The felt filter (13) of the suction head can become clogged. It is recommended to replace the suction head once every three months in order to ensure unimpeded fuel flow to the carburetor.

Unscrew the fuel tank cap (12) and pull the loss-prevention stopper out.

Empty fuel tank.

To remove the suction head for replacement, pull it out through the tank filler neck using a piece of wire bent at one end to form a hook.

**Caution:** Do not allow fuel to come into contact with skin!

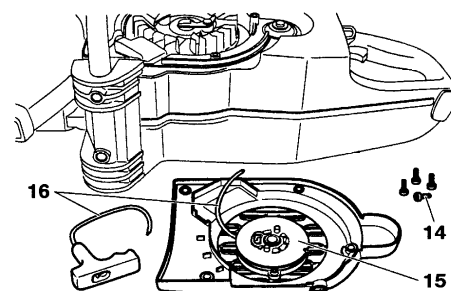


62

## Replacing the starter cable



Unscrew four screws (14). Remove the fan housing (15). Remove all pieces of cable (16).

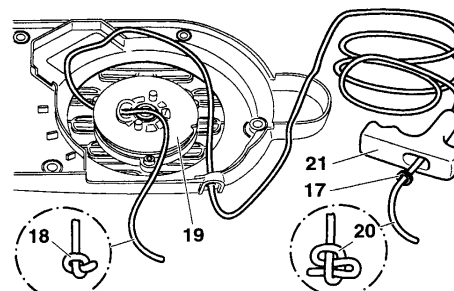


63

Thread in a new cable (3,5 mm/ 3/16" dia. x 980 mm / 40" long) as shown in the Figure (don't forget disc (17), and knot the ends as shown).

Pull knot (18) into the cable pulley (19).

Pull knot (20) into the cable grip (21).



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Guide the cable into the recess (22) on the cable drum and use the cable to turn the drum two turns in the direction shown by the arrow.

Holding the cable drum in your left hand, straighten out the twist in the cable with your right hand, pull the cable tight, and hold.

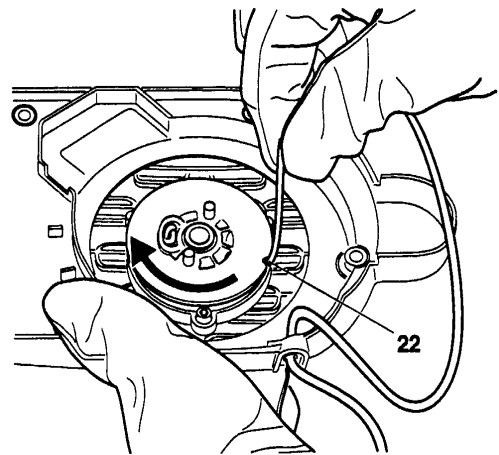
Release the cable drum. The drum's spring force will now wind the cable around the drum.

Repeat this procedure twice. The starter handle must stand out from the fan housing.

**NOTE:** With the cable pulled all the way out, it must still be possible to turn the pulley another 1/4 turn against the return spring.

**CAUTION! Injury hazard! When you pull out the starter cable hold the starter handle firmly. It will whip back if the cable pulley is released by accident.**

When replacing fan housing, it may be necessary to pull the starter cable lightly so that the cable pulley catches.



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### Replacing the return spring



Remove the fan housing (see above under "Replacing the starter cable").

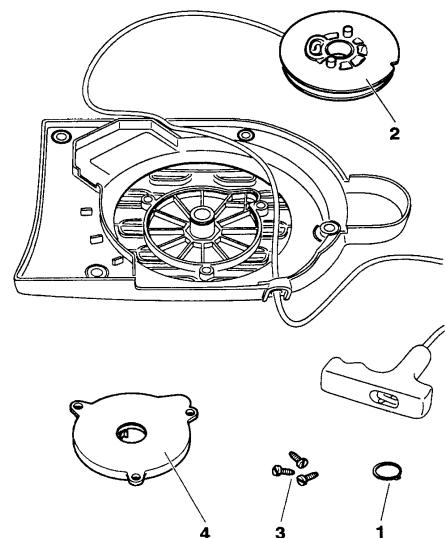
Take off circlip (1) (circlip pliers, see "Accessories").

Remove the cable pulley (2).

Unscrew screw (3) and carefully remove spring housing (4).

Remove screws (3) and carefully remove the return spring with housing (4).

**CAUTION: Danger of injury! If the spring is broken it may pop out!**



66



**NOTE:** The old spring should be recycled.

Replacement return springs are delivered already tensioned in the housing. Before installing, lightly grease the new spring with multi-purpose grease.

Turn the cable pulley slightly when putting it back on, until you hear it catch. Put the circlip back on.

Wind on the starter cable as described above under "Replacing the starter cable".

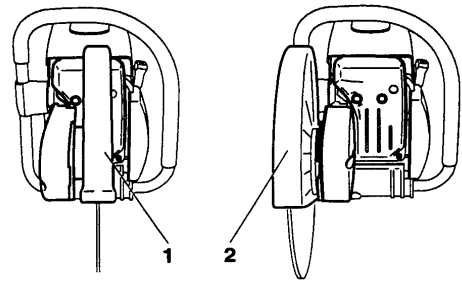
When replacing fan housing, it may be necessary to pull the starter cable lightly so that the cable pulley catches.



## Cutting attachment in central / side position

**NOTE:** The Power Cut is delivered with the cutting attachment mounted in the middle position (1). For cutting up against obstacles, such as curbs or walls, the cutting attachment can be mounted to one side (2). Use this position only when actually necessary, and afterwards return the cutting attachment to the middle position. In this position the Power Cut has better balance, is easier to guide, and is not as fatiguing for the operator.

67



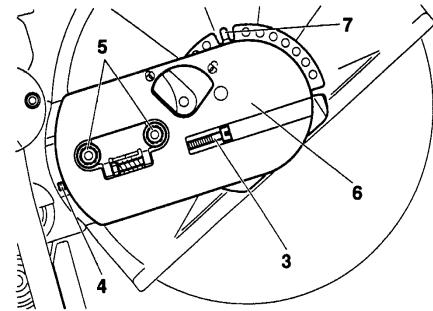
## Repositioning the cutting attachment



Loosen nuts (5).

Loosen the tightening screw (3) (counter-clockwise) until the end of the screw (4) is visible in the gap. Unscrew the nuts (5) and remove the cover (6).

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Turn the hood lock (8) clockwise as shown in the illustration (to the highest point of the slanted level).

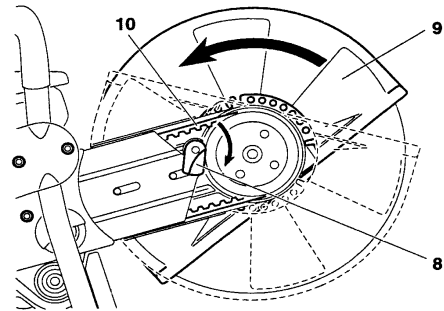
**NOTE:** The slip lock (Fig. 68/ 7) can only be overcome when the hood lock (8) is in the position shown.

Turn the hood (9) as shown in the illustration.

Turn the hood lock (8) to the starting position and lock the hood by turning it slightly (the hood lock will catch audibly).

Disengage the V-belt (10) and remove the cutting attachment.

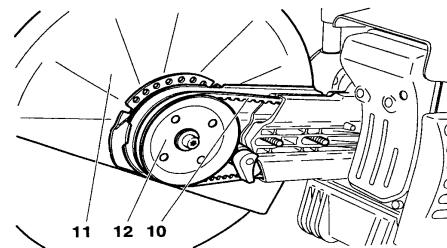
69



Press the cutting attachment (11) in the side position onto the drive arm attachment.

Guide the V-belt (10) over the V-belt wheel (12).

70

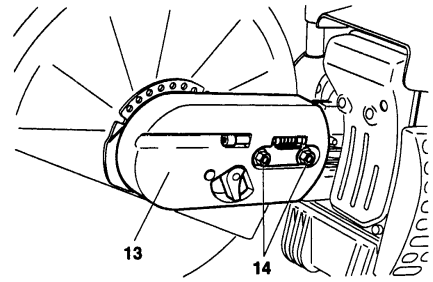


Put the guard plate (13) on.  
Screw on nuts (14) and tighten by hand.  
To tighten the V-belt see "Tightening the V-belt /  
Checking V-belt tension".  
Tighten the nuts (14) firmly with the combination  
wrench.

**IMPORTANT:**

**When you reposition the cutting attachment, the  
direction of rotation of the cutting wheel changes.  
Diamond cutting wheels must be installed in the  
proper direction of rotation!**

**71**



**Cutting discs**

WACKER different cutting discs meet the highest demands in working safety, ease of operation, and economical cutting performance. Can be used for cutting all materials **except metal**.

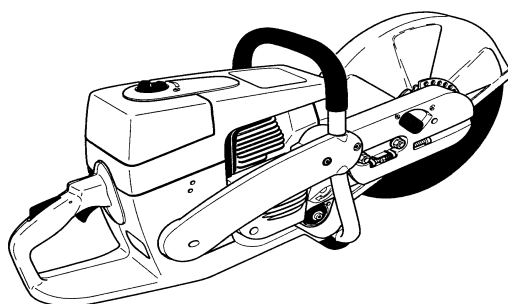
The high durability of the diamond grains ensures low wear and thereby a very long service life with almost no change in disc diameter over the lifetime of the disc. This gives consistent cutting performance and thus high economy. The outstanding cutting qualities of the discs make cutting easier.

The metal disc plates give highly concentric running for minimal vibration during use.

The use of diamond cutting discs reduces cutting time significantly. This in turn leads to lower operating costs (fuel consumption, wear on parts, repairs, and last but not least environmental damage).

**Water spraying system**

The water spraying system is also available on a separate basis. This makes it possible to sprinkle the cutting disc during free-hand cutting by using a hose connected to a water main supply.



## Instructions for periodic maintenance

To ensure long life, prevent damage and ensure the full functioning of the safety features the following maintenance must be performed regularly. Guarantee claims can be recognized only if this work is performed regularly and properly. Failure to perform the prescribed maintenance work can lead to accidents!

Users of the Power Cut must not perform any maintenance work not described in this Instruction Manual. All such work must be carried out by a WACKER service station.

General	Entire Power Cut	Clean exterior, check for damage. In case of damage, have repaired by a qualified service centre immediately
	Cutting disc	Inspect regularly for damage and wear.
	Protection hood	Clean.
Before each start	Cutting disc	Inspect for damage and make sure the cutting wheel is right for the job.
	V-belt	Check V-belt tension.
	Combination switch, Safety locking button, Throttle lever	Functional check.
	Fuel tank plug	Check for tightness.
Every day	Air filter	Clean.
	Idle speed	Check (cutting disc must not turn on idle).
Every week	Fan housing	Clean to ensure proper air cooling.
	Starter cable	Check for damage.
	V-belt	Check V-belt tension, inspect for damage and wear.
	Paper cartridge	Clean.
	Spark plug	Check and replace if necessary.
	Muffler	Check tightness of mounting.
Every 3 months	Suction head	Replace.
	Fuel tank	Clean.
Storage	Entire Power Cut	Clean exterior, check for damage. In case of damage, have repaired by a qualified service centre immediately
	Cutting disc	Remove and clean.
	Fuel tank	Empty and clean.
	Carburetor	Run empty.



### Maintenance and repair

The maintenance and repair of modern cutoff saws and their safety-related components requires qualified technical training and a workshop equipped with special tools and testing devices.

We therefore recommend that you consult a WACKER service centre for all work not described in this instruction manual.

The WACKER service station have **all the necessary equipment and skilled and experienced personnel, who can work** out costeffective solutions and advise you in all matters.

Please contact your nearest service station (**list enclosed**) or **the general trading company** or importer (see last page), who will gladly provide you with the address of your nearest WACKER service station.

### Spare parts

Reliable long-term operation, as well as the safety of your Power Cut, depend among other things on the quality of the spare parts used. Use only original WACKER parts, marked

Only **original parts are from the same production line** as the original unit and therefore ensure the highest possible quality of materials, dimensions, functioning and safety.

Original spare parts and accessories can be obtained from your local dealer. He will also have the spare part lists to determine the required spare part numbers, and will be constantly informed about the latest improvements and spare part innovations.

Please bear in mind that if parts other than original WACKER spare parts are used, this will automatically invalidate the WACKER product guarantee.

### Guarantee

WACKER guarantees the highest quality and will therefore reimburse all costs for repair by replacement of damaged parts resulting from material or production faults occurring within the guarantee period after purchase. Please note **that in some countries particular guarantee conditions** may exist. If you have any questions, please contact your salesman, who is responsible for the guarantee of the product.

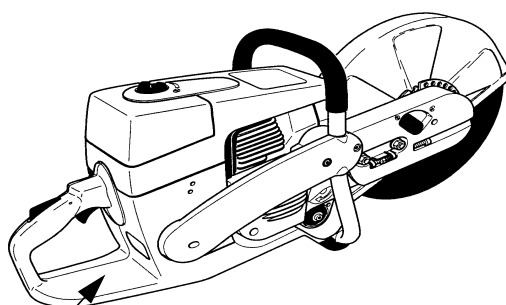
Please note that we cannot accept any responsibility for damage caused by:

- \* **Disregard of the instruction manual.**
- \* Non-performance of the required maintenance and cleaning.
- \* Incorrect carburetor adjustment.
- \* Normal wear and tear.
- \* Obvious overloading due to permanent exceeding of the upper performance limits.
- \* The use of other than original WACKER cutting discs.
- \* Use of force, improper use, misuse or accidents.
- \* Damage from overheating due to dirt on the fan housing.
- \* Work on the Power Cut by unskilled persons or inappropriate repairs.
- \* Use of unsuitable spare parts or parts which are not original WACKER parts, insofar as they have caused the damage.
- \* Use of unsuitable or old oil.
- \* Damage related to conditions arising from lease or rent contracts.

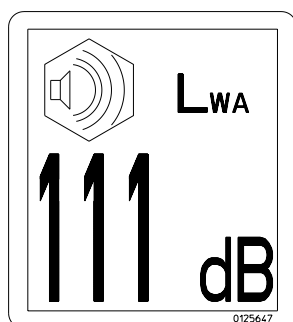
Cleaning, servicing and adjustment work is not covered by the guarantee. All repairs covered by the guarantee must be performed by a WACKER service station.

## Troubleshooting

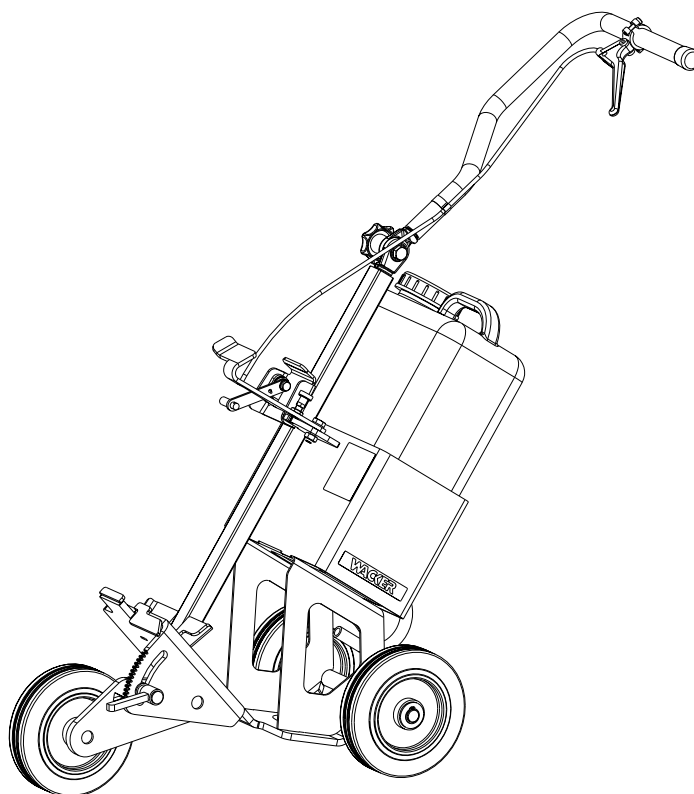
Malfunction	System	Observation	Cause
Cutting disc does not start turning	Clutch	Engine runs	Damage to clutch
Engine does not start or only with difficulty	Ignition system	Ignition spark	Malfunction in fuel supply system, compression system, mechanical malfunction.
		No ignition spark	Switch on STOP, fault or short-circuit in the wiring, plug cap or spark plug defective.
	Fuel supply	Fuel tank is filled	Choke in wrong position, carburetor defective, suction head dirty, fuel line bent or interrupted.
	Compression system	Inside	Cylinder base packing ring defective, radial shaft packings defective, cylinder or piston rings defective
		Outside	Spark plug does not seal.
	Mechanical malfunction	Starter does not engage	Spring in starter broken, broken parts inside the engine.
Warm start difficulties	Carburetor	Fuel tank is filled Ignition spark	Wrong carburetor adjustment.
Engine starts, but dies immediately	Fuel supply	Fuel tank is filled	Wrong idling adjustment, suction head or carburetor dirty. Tank venting defective, fuel line interrupted, cable defective, Stop switch defective. Starting valve dirty.
Insufficient power	Several systems may be involved simultaneously	Engine is idling	Air filter dirty, wrong carburetor adjustment, muffler clogged, exhaust channel in cylinder clogged.



1



Ref.	Part No.	Qty.	Part
1	0125647	1	Decal - Sound power level



### Guide trolley:

The WACKER guide trolley makes it much easier to do straight cuts, while simultaneously enabling almost untiring working. It can be adjusted for the operator's height, and can be operated with the cutting attachment mounted in the middle or on the side.

For easier refuelling when using the trolley, we recommend adding an angled tank filler neck.

The guide trolley has been equipped with a water tank and a water spraying system; the water will bind the dust during the cutting process and will also help to cool the cutting disc.

The guide trolley has been equipped with a water tank and a water spraying system; the water will bind the dust during the cutting process and will also help to cool the cutting disc. Notches have been added to the area of the clamp lever, thus making it easier to adjust the cutting depth of the blade. One notch is equivalent to 10 mm cutting depth.

### Safety precautions

- The mounting brackets for the Power Saw must be cleaned before placing the BTS into the guide trolley.
- The stop bolt must be correctly engaged to avoid a possible detaching of the Power Saw during applications.
- Be careful to verify that both the clamp lever for the cutting depth setting and the star-shaped knob for the handle height setting are tightly screwed down during cutting applications.
- The guide trolley should be cleaned with water after each use to avoid possible malfunctions.
- Park the equipment on an even, horizontal surface during work breaks, storage or transport. Also make sure that the equipment has been secured against tipping over or rolling away.
- Push the throttle lever to the idle position (forwards) immediately after ending the cutting process.

## Field of application

STANDARD - PROFI Material	Asphalt		Concrete		
	STANDARD	PROFESSIONAL	STANDARD	PROFESSIONAL	PROFESSIONAL Universal-Free-hand
Old reinforced concrete D = > 8 mm w. all types of aggregates	-	-	o	o	o
Concrete not or lightly reinforced D = < 6 mm w. all types of aggregates	-	-	+	+	o
Asphalt	+	+	-	-	-
Asphalt on Concrete	o	+	o	o	-
Concrete – roof tiles	-	-	o	o	+
Concrete tubes not or lightly reinforced D = < 6 mm	-	-	o	+	+
Concrete blocks / curbstones	-	-	+	+	+
Concrete cast stones	-	-	o	o	o
Pumice stones	-	-	+	+	+
Floor topping finish or industrial floors	o	+	-	-	-
Fresh reinforced concrete D = < 6 mm w. all types of aggregates	o	+	-	-	-
Fresh reinforced concrete D = < 8 mm w. all types of aggregates	-	o	-	-	-
Fresh concrete w/o reinforcement w. all types of aggregates	+	+	-	-	-
Porous concrete / Poroton	o	+	o	+	+
GFK-materials	-	-	-	-	+
Sand-lime bricks	o	+	o	+	+
Red clay bricks / honeycomb bricks	o	o	+	+	+
Sandstone	+	+	o	o	-
Fireclay bricks	+	+	o	o	-
Slate	-	-	o	+	+
Slag concrete	-	-	o	+	o
Glazed clay pipes	-	-	-	-	+
Exposed aggregate concrete	-	-	o	+	o
+ optimally suited / o relatively suited / - not suited					

<b>HIGH SPEED</b>	Asphalt	Concrete	Granit e
Material	HIGH SPEED	HIGH SPEED	HIGH SPEED
Abrasive concrete	o	o	-
Asphalt	+	-	-
Reinforced concrete or concrete with medium hard aggregates	-	+	o
Strongly reinforced concrete or concrete with very hard aggregates such as granite, quartz or flint	-	o	+
Concrete / Concrete blocks	-	+	-
Pumice stones	-	o	-
Roof tiles	-	o	o
Floor topping finish / Wall plaster	o	o	-
Floor tiles, wall tiles, ceramics	-	-	o
Granite	-	-	+
Sand-lime bricks	+	-	-
Clinker	-	o	-
Double glazed clinker	-	-	o
Marble	-	-	o
Sandstone	+	-	-
Fireclay bricks	-	+	-
Clay bricks	-	o	+
Interlocking paving stones	-	o	o
Exposed aggregate concrete	-	+	-
Bricks / Poroton	-	+	-
+ optimally suited / o relatively suited / - not suited			

**Available diamond cutting discs - ø 300 for BTS 930 / BTS 1030**

Version	Application	Ø boring	Item no.
Standard	Concrete	20,0	0108223
Standard	Concrete	22,2	0108224
Standard	Asphalt	20,0	0108227
Standard	Asphalt	22,2	0108228
Profi	Concrete	20,0	0108231
Profi	Concrete	22,2	0108232
Profi	Asphalt	20,0	0108235
Profi	Asphalt	22,2	0108236
Profi	Universal-Free-hand	20,0	0108239
Profi	Universal-Free-hand	22,2	0108240
High-Speed	Concrete	20,0	0126081
High-Speed	Asphalt	20,0	0126078
High-Speed	Granite	20,0	0126084

**Available bakelite cutting discs - ø 300 for BTS 930 / BTS 1030**

Version	Application	Ø boring	Item no.
Bakelite	Metal	20,0	0109427
Bakelite	General	20,0	0063889

**Available diamond cutting discs - ø 350 for BTS 935 / BTS 1035**

Version	Application	Ø boring	Item no.
Standard	Concrete	25,4	0108225
Standard	Asphalt	25,4	0108229
Profi	Concrete	25,4	0108233
Profi	Asphalt	25,4	0108237
Profi	Universal-Free-hand	25,4	0108241
High-Speed	Concrete	20,0	0126082
High-Speed	Concrete	25,4	0126083
High-Speed	Asphalt	20,0	0126079
High-Speed	Asphalt	25,4	0126080
High-Speed	Granite	25,4	0126085

**Available bakelite-cutting discs - ø 350 for BTS 935 / BTS 1035**

Version	Application	Ø boring	Item no.
Bakelite	Metal	25,4	0099743
Bakelite	General	25,4	0049457



## EC - CONFORMITY-CERTIFICATE

**Wacker Construction Equipment AG , Preußenstraße 41, 80809 München**

hereby certify that the construction equipment specified hereunder:

1. Category:

**Power cut**

2. Type:

**BTS 930 / BTS 935**

**BTS 1030 / BTS 1035**

3. Equipment item number:

**0008340 ...**

**0008341 ...**

**0008339 ...**

**0007975 ...**

4. absolute installed power:

**3,2 kW**

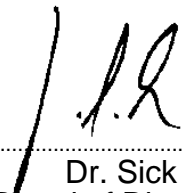
**4,2 kW**

has been evaluated in conformity with Directive 2000/14/EC:

Conformity assessment procedure	Measured sound power level	Guaranteed sound power level
<b>Annex V</b>	<b>110 dB(A)</b>	<b>111 dB(A)</b>

and has been manufactured in accordance with the following directives:

**2000/14/EG**  
**EMV - Richtlinie 89/336/EG**  
**98/37/EG**

  
.....  
Dr. Sick  
Board of Directors

File certificate carefully





# VDE Prüf- und Zertifizierungsinstitut

VDE VERBAND DER ELEKTROTECHNIK  
ELEKTRONIK INFORMATIONSTECHNIK e.V.

## C E R T I F I C A T E

Registration Number 6236/QM/06.97

This is to certify that the company

# WACKER



**Wacker Construction Equipment AG**  
**Wacker-Werke GmbH & Co. KG**

with the locations

**Head Office Munich**  
**Preussenstr. 41**  
**80809 München**

**Production plant Reichertshofen**  
**Karlsfeld logistics centre**  
**Sales regions with all branches all over Germany**

has implemented and maintains a  
**Quality System for the following scope**

**Machine manufacture**  
**Construction machines**

This Q System complies with the requirements of

**DIN EN ISO 9001:2000**

This Certificate is valid until 05.06.2006

**VDE Testing and Certification Institute**  
Certification

D-63069 Offenbach/Main, Merianstraße 28  
Date 02.06.2003

The VDE Testing and Certification Institute is accredited by DARA Accreditation Bodies  
according to DIN EN 45012 and notified in the EU under ID. No. 0366.







