



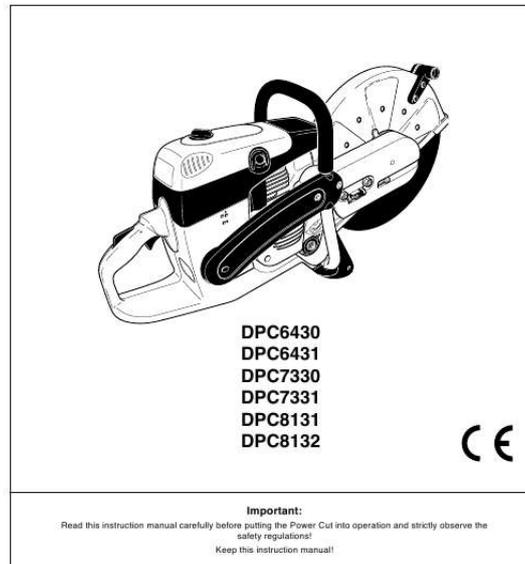
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You can read the recommendations in the user guide, the technical guide or the installation guide for MAKITA DPC7331. You'll find the answers to all your questions on the MAKITA DPC7331 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual MAKITA DPC7331
User guide MAKITA DPC7331
Operating instructions MAKITA DPC7331
Instructions for use MAKITA DPC7331
Instruction manual MAKITA DPC7331



Instruction Manual
Original Instruction Manual



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Manual abstract:

· Maintenance-free electronic ignition, hermetically sealed to protect against dust and moisture. · Vibration damping with the MAKITA 2-mass system (D2M) 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 resin-bonded and diamond grit cutting discs, trolley with dust catcher, and systems for supplying water to the disc. The following industrial property rights apply: US 08510690, SE 95027298, SE 95027306, IT 95000653, IT 95000654, GBM 9412558, GBM 9412559. We want you to be satisfied with your MAKITA 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! Table of

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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.



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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. The use of dust-reduction devices is urgently recommended (see Accessories, pressure water tank, water tank). 2 1 - - - - - Protective equipment 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 tightfitting 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 4 3 - - 4 - 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 tough material with sufficient flame-retardant qualities whenever working with the cutoff saw. - 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 spirluction 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. - 10 min.

5 m 11 12 13 Maintenance Refuelling Changing cutoff discs Repositioning the cutting attachment Stopping work Transport Putting out of function 14 6 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. 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! Use the Power Cut at high speed as far as possible (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.



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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. - 15 - - - Working behavior / Method of working 16 - - - - 17 - - 18 7 When using synthetic resin cutting discs, always observe the following: CAUTION: Synthetic resin cutting discs can absorb moisture. This moisture can cause the disc to become unbalanced at high speed.

This imbalance can cause the disc to break. Do not cool resin cutting discs with water or other fluids. Do not expose resin cutting discs to high humidity or rain! Cutting masonry and concrete 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. - Do not use resin cutting discs past their use-by date (expiration date)! The date (quarter and year) is stamped on the disc's arbor ring. EXAMPLE: 04 / 2007 This cutting disc can be used through the end of the fourth quarter of 2007, if properly stored and correctly used. 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 (19) in order to direct the stream of sparks forward, away from the operator (fire hazard). Determine the cut line, 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. Secure cutoff material from falling! 20 19 - - - 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! 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. 8 21 In wet cutting, the disc is wetted at an equal rate on both sides by a trickle of water. MAKITA 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 (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. 23 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.

Perform the cut with a steady back-and-forth motion. 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.



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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. CAUTION: Do NOT clean synthetic resin cutting discs with water or other fluids! · Store them lying down flat. · Avoid dampness, freezing temperatures, direct sunshine, high temperatures and temperature fluctuations, as these can cause breakage and splintering. · Before re-using a resin cutting disc, make sure of the use-by (expiration) date (quarter and year, stamped on the arbor ring).

If this date has been exceeded, do NOT use the cutting disc.

Always check new cutting discs or cutting discs that have been in storage to make sure that they are free of defects and before the first cut test-run the tool at top speed for at least 60 seconds. Keep body parts and people well away out of range of the direction of the cutting disc during this test. 26 9 24 - - - 25 - - 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 MAKITA Service. Use only original MAKITA spares and accessories. The use of non-MAKITA 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 MAKITA. @@ Immediately replace any items used from the first aid box. @@@@ If any of these symptoms occur, see a physician!

@@@@@ power Max. @@@@ load per ISO 8893 Specific consumption at max. @@2) Cutting disc for 80 m/sec.

@@kg DPC8131 Displacement Bore Stroke Max. power Max. @@@@ load per ISO 8893 Specific consumption at max. @@2) Cutting disc for 80 m/sec.

@@@@2) Circumference speed at max.

engine speed. Outside diameter / arbor hole / thickness. 4) At the workplace (at user's ear). 5) Country-specific. 6) Uncertainty (K=).

@@@@@13/19 AF combination wrench 2. Allen key 3. Carburetor adjustment screwdriver 4. @@@@ Before taking the foam filter out of the package, knead it thoroughly. Sequence 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). Hinweis: The arbor hole of the cutting disc must be an exact fit with the arbor or shaft. If the arbor hole is larger, it must be fitted with an adapter ring (*).

Make sure the cutting disc is installed so it turns in the right direction, if a direction is marked on the disc. Place the spring washer (8) on the arbour and insert the screw (9) and tighten by hand. Turn the disc slowly until the stop hole of the V-belt pulley is visible in the cutting arm cover (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 ± 2 Nm), as otherwise the cutting wheel may slip during cutting. 13 Tightening the V-belt / Checking V-belt tension 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. If the Power Cut is new or the V-belt has been replaced, retighten the V-belt after the first hour of operation! 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). IMPORTANT: After tightening/inspection, make certain to tighten the fastening nuts (11) (30 ± 2 Nm). Fuels Caution: This tool uses mineral-oil products (gasoline and oil). Be especially careful when handling gasoline. Do not smoke.

Keep tool well away from open flames, spark, or fire (explosion hazard). Gasoline 50:1 50:1 Fuel mixture This tool is powered by a high-performance air-cooled 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. To lubricate the engine, use a synthetic oil for two-stroke aircooled engines (quality grade JASO FC or ISO EGD), which has to be added to the fuel. The engine is designed for the use of MAKITA high-performance two-stroke engine oil at a mixture ratio of only 50:1 to protect the environment. In addition, this ensures a long service life and reliable operation with minimum exhaust emissions. + 1000 cm³ 5000 cm³ 10000 cm³ (1 litre) (5 litre) (10 litre) 20 cm³ 100 cm³ 200 cm³ 20 cm³ 100 cm³ 200 cm³ The correct mixture ratio: 50:1 when using MAKITA high-performance two-stroke engine oil, i. e. mix 50 parts gasoline with 1 part oil. When using other synthetic two-stroke engine oils (quality grade JASO FC or ISO EGD), i.

e. mix 50 parts gasoline with 1 part oil. 50:1 14 MAKITA high-performance two-stroke engine oil (50:1) is available in the following sizes to suit your individual requirements: 100 ml order number 980 008 606 1 l order number 980 008 607 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 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.



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In addition, fuel consumption will rise and performance will decrease. The Storage of Fuel Fuels have a limited storage life. Fuel and fuel mixtures age through evaporation, especially at high temperatures. Aged fuel and fuel mixtures can cause starting problems and damage the engine. Purchase only that amount of fuel, which will be consumed over the next few months. At high temperatures, once fuel has been mixed it should be used up in 6-8 weeks. Store fuel only in proper containers, in dry, cool, secure locations! **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! Refuelling **IMPORTANT: FOLLOW THE SAFETY PRECAUTIONS!** 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. Screw the tank cap back on hand-tight. Clean screw cap and tank after refuelling. Never start or operate the Power Cut in the same place as it was fuelled! Fuel mixture If fuel gets on your clothing, change clothes immediately. 15 Starting the engine if necessary This model is fitted with a semiautomatic decompression valve (1) to make starting easier. Press the rubber cover until you can feel it engage. This pushes in the decompression valve behind it. This in turn reduces the compression, so that it takes less force to pull the starter cord to accelerate the engine to its starting speed.

The high pressure in the combustion chamber after the first ignition automatically closes the decompression valve. **CAUTION: Observe the SAFETY INSTRUCTIONS on page 4 and 5!** Start the Power Cut only after complete assembly and inspection! Move at least 3m 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. 3 meters Move the protective hood (3) into the proper position for the work you intend to do (see illustration). Grasp the grip (2). The hood (3) can swing in both ways within its range of motion. Caution: Always make sure that the straight outer edge of the impact plate (4) and the edge of the hood are parallel (see arrows). If this is not the case, take the tool to a service centre. Cold-starting Move the combination switch (6) up (choke position). Grasp handle (hand pressure actuates the grip throttle lever lock (8)).

Push the throttle (9) in all the way and hold it. Press the throttle lock (7) and release the throttle (9) (the throttle lock will hold the throttle at half-throttle position). **NOTE: If the Power Cut is in a trolley, bring the control lever to the third or fourth detent. Depress decompression valve (5).** 16 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. Pull the starter cable strong and rapidly until you hear the first audible ignition. **CAUTION: Do not pull out the starter cable more than approx. 50 cm, and lead it back by hand. Depress decompression valve (5) again.**

Put the combination switch (6) in position "I". Keep pulling the starter cable until the engine catches. As soon as the engine is running, press the throttle (9) to release the half-throttle lock (7), allowing the engine to idle. Warm-starting As described under "Cold starting", except without putting the combination switch (6) in choke position. Stopping the engine Push the combination switch (10) down to position . 17 Adjusting the carburetor **NOTE: The grinding parts are equipped with an electronic ignition to limit the speed. At the factory the idling speed has been set to approx. 2500 rpm, 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). Adjust the carburetor with the screwdriver (1, Order No.**

944 340 001) included with the Power Cut. It has a lug that helps with adjustment. 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 (2) until the cut-off disc is no longer turning. When the engine is left running at idling speed, tighten the screw a little. Switch off the engine 18 **MAINTENANCE 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. 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 MAKITA service center. SERVICE IMPORTANT: If the cutting wheel breaks during cutting, the Power Cut must be repaired by a MAKITA service centre 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.**

Loosen and unscrew the screw (detail X, only for DPC8132).

Unscrew the nuts (3) and remove the cover (4). Remove the screws (5) and (7) and remove the side piece (6). **NOTE: Screw (5) is longer than screws (7). Make sure to put them back in the right places during reassembly! Unscrew the screws (8) and remove the crankcase housing cover (9). Remove the old belt (10) or belt pieces.**

NOTE: The illustration shows the V-belt for models DPC6430 - 7331. 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 (6) and cover (4) in the reverse order. To tighten the V-belt see "Tightening the V-belt / Checking V-belt tension".

19 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 removed parts. **NOTE: To install the cutting wheel see "Mounting the cutting wheel".**



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Cleaning / changing the air filter Turn the cover lock (11) counterclockwise to release it, and carefully remove the filter cover (12). There is a gasket (15) between the filter cover (12) and the hood (14). Remove screws (13) and take off the cover (14). Clean the gasket (15) with a brush, and check for damage. Take the pre-filter (foam, 17) out of the filter cover.

Pull the air filter insert (paper cartridge, 18) out of the cover. 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. 20 CAUTION: Turn off the engine before cleaning the air filter! Never clean out the air filter with compressed air! Do not clean the pre-filter and inner filter with fuel. The service life of the engine depends on the condition and regular maintenance of the filter elements. Failure to perform maintenance and cleaning at the prescribed intervals will cause increased wear inside the engine! If the air filter becomes damaged, replace immediately! Pieces of cloth or large dirt particles can destroy the engine! Do not work in dusty conditions when it can be avoided! The fine dust generated when dry-cutting concrete and stone is hazardous to the health of the operator and also shortens the service life of the engine. Whenever possible, wet-cut with water when working in concrete and stone, to bind the dust. Pre-filter (dry foam) Only for models DPC6430 - DPC7331 If the pre-filter (1, Order No. 395 173 080) is dirty, wash it out in lukewarm water with standard dishwashing liquid or MAKITA filter cleaner (Order No. 980 008 627).

If using MAKITA filter cleaner, proceed as described after the text section "Cleaning". Let the pre-filter dry thoroughly. NOTE: The pre-filter must be cleaned daily, or several times daily if working under dusty conditions. If cleaning is not possible on-site, have spare pre-filters on hand. Replace the pre-filter at least every 25 operating hours.

To improve filtration effectiveness, the pre-filter can be wetted with air-filter oil. Before adding air-filter oil, carefully wash the filter with air-filter cleaner. Care for the oiled air filter as described for DPC8131 and DPC8132. To insert the pre-filter in the filter cover, position it so it fits the space in the cover and then press it in (5). The pre-filter must fit completely and cover all parts of the filter space, without leaving any spaces unfiltered.

Pre-filter (foam with air-filter oil) Only for models DPC8131 and DPC8132 Clean or replace (when cutting with high dust amounts): · Daily or at least every · 4 operating hours, or · 8 tank fillings, or · 8 litres fuel mixture. Clean or replace (when cutting wet, or when cutting steel): · weekly or at least every · 25 operating hours, or · 50 tank fillings, or · 55 litres fuel mixture. Cleaning: Rinse off coarse dirt in running water. Knead a capful MAKITA filter cleaner (Order No. 980 008 627) into the foam material of the pre-filter (1, Order No. 395 173 090) until it suds up well. Rinse out pre-filter thoroughly in running water. Let the pre-filter dry thoroughly. In order to ensure full filtration effectiveness, air-filter oil must be used with the pre-filter. Wet the pre-filter with a capful (about 20 ccm) of MAKITA air-filter oil (Order No.

980 008 628, biodegradable). Knead the pre-filter to evenly distribute the oil. Then squeeze out any excess oil. NOTE: If using other air-filter oils, follow the manufacturer's instructions. If cleaning is not possible on-site, have spare pre-filters on hand (Order No. 395 173 090). To insert the pre-filter in the filter cover, position it so it fits the space in the cover and then press it in (5). The pre-filter must fit completely and cover all parts of the filter space, without leaving any spaces unfiltered. Inner filters (all models) Wash out the dirty inner filter (3, Order No. 394 173 020) in lukewarm soapy water with regular dishwashing liquid or MAKITA filter cleaner (Order No.

980 008 627). Let the inner filter dry thoroughly. Air filter insert (paper cartridge, all models) The air filter insert (2, Order No. 395 173 010) filters the intake air through a very fine paper filter lamella system. For the reason the cartridge must never be washed.

Clean the air filter insert once a week. To clean the air filter insert, spread it out slightly and carefully tap it against a clean surface. Replace the air filter insert every 100 operating hours. Replace it immediately if there is a drop in power, drop in speed, or smoke in the exhaust. Before installing the filter system, check the intake opening to make sure no dirt particles have fallen in.

If they have, remove them. 21 Replacing the spark plug 7 8 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 (Order No. 965 603 021) must be replaced in case of damage to the insulator, electrode erosion (burn) or if the electrodes are very dirty or oily. Remove the filter cover and hood. See Cleaning / changing the air filter. Pull the plug cap (7) off the spark plug. Use only the combination wrench supplied with the saw to remove the spark plug.

CAUTION: To prevent damage to the decompression valve (8), when unscrewing the spark plug position the combination tool in such a way that it does not impact the valve. Electrode gap The electrode gap must be 0.5 mm. CAUTION: Use only BOSCH WSR 6F spark plug, CHAMPION RCJ-6Y or NGK BPMR

7A. 0,5 mm Checking the ignition spark Insert the combination tool (9) between the ventilation hood and cylinder only as shown in the illustration.

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.

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 tank cap (12), pull the retainer out of the opening. Empty fuel tank. Use a wire hook to pull the suction out of the tank opening for replacement.

Caution: Do not allow fuel to come into contact with skin! 22 Replacing the starter cable Remove four screws (14). Remove starter housing (15). Unscrew two screws (16) and carefully remove the air guide (17) from the starter housing (15). Proceed in the order (A - B - C - D). Remove all pieces of cable (18). Thread in a new starter cable (dia 4.



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0 mm, length 1000 mm) as shown (don't forget the disc (19)) and knot both ends. Pull knot (20) into the cable pulley (21). CAUTION: Do not let the knots or the cable ends protrude from the outside of the cable pulley. Pull knot (22) into the cable grip (23). Guide the cable into the recess (24) 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 three times.

The starter grip must be upright on the starter 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. Install the air guide (17) in reverse order. Make sure that the nub (25) fits into the slot (26) in the starter housing. When putting the starter housing back on, it may be necessary to pull the starter handle slightly until the starting mechanism engages. 23 Replacing the return spring Remove the starter housing (see "Replacing the starter cable"). Take the air guide off the starter housing (see "Replacing the starter cable"). Take off circlip (1) (circlip pliers, see "Accessories").

Remove the cable pulley (2). Unscrew screw (3). Evenly lever the return spring (4) out of the catch using a screwdriver or similar tool. Be extremely careful - the return spring is under tension and can pop out of its housing! CAUTION! Injury hazard! Wear eye protection and work gloves when performing this work! Replacement return springs are delivered already tensioned in the housing. CAREFUL - the spring can pop out.

If it does, it can be put back in as shown in the diagram (observe the direction of rotation). Before installing the new return spring (4) in the starter housing, grease it lightly with multipurpose grease, Order No. 944 360 000. Then position it and press it until the tabs (5) engage in the slots. Do not grease the cable drum (2) or bearing journal! Screw in bolt (3) but do not tighten it hard.

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 (see above under "Replacing the starter cable"). Reinstall the air guide (see above under "Replacing the starter cable") When putting the starter housing back on, it may be necessary to pull the starter handle slightly until the starting mechanism engages. 24 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. 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. Loosen and unscrew the screw (detail X, only for DPC8132).

Unscrew the nuts (5) and remove the cover (6). Use the combination tool (8) to lever out the stop pin (9) as shown in the illustration, until the protective hood (11) can be turned. NOTE: The turn stop (7) is deactivated when the stop pin (8) is removed. This permits the hood (11) to be turned farther than the turn stop (7). 10 8 9 11 Unscrew the grip (10) and turn the protective hood (11) as shown in the illustration. Disengage the V-belt (12) and remove the cutting attachment. NOTE: The illustration shows the V-belt for models DPC6430 - 7331. 12 25 Press the cutting attachment (13) onto the drive arm in the side position. Guide the V-belt (14) over the V-belt pulley (15). NOTE: The illustration shows the V-belt for models DPC6430 - 7331.

13 15 14 Put the guard plate (16) on. Screw on nuts (17) and tighten by hand. To tighten the V-belt see "Tightening the V-belt / Checking Vbelt tension".

Screw in and tighten the screw (detail X, only for DPC8132). Tighten the nuts (17) firmly with the combination wrench.

Replace the grip (18) as shown. 18 IMPORTANT: When you reposition the cutting attachment, the direction of rotation of the cutting wheel changes. 16 17 If a rotation direction is marked on the cutting disc, make sure the disc turns in the right direction. 26 SPECIAL ACCESSORIES Diamond cutting discs (1) MAKITA diamond cutting discs meet the highest demands in working safety, ease of operation, and economical cutting performance. They 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 tank (5) The water tank is designed to be mounted on the guide trolley. Its high capacity makes it especially suitable for situations involving frequent site changes. For filling or for fast changing to reserve tanks, the tank can be simply lifted off the trolley. The water tank comes with all necessary connections and hoses.

Mounting to the trolley and Power Cut are very fast and simple. Mains/pressure water system (6) The mains/pressure water system is designed to be mounted on the Power Cut. It can be used with or without the trolley, but is especially suitable for applications involving hand-held, stationary cutting. The water line has a fast-release connection, and can be fed either from a mains supply or from a pressure tank (7). The water system comes with all necessary connections and lines. It can be quickly and easily mounted on the Power Cut. Guide trolley (2) The MAKITA 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. NOTE: Before mounting the DPC8132 Power Cut on the guide trolley, it will be necessary to remove the stand (see illustration (*) in the chapter "Extract from the spare parts list"). For easier refuelling when using the trolley, we recommend adding an angled tank filler neck (3).



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300/20 mm Cutting disc for steel, dia. 350/20 mm Cutting disc for steel, dia. 350/25,4 mm Cutting disc for steel, dia. 400/20 mm Cutting disc for masonry, dia.

300/20 mm Cutting disc for masonry, dia. 350/20 mm Cutting disc for masonry, dia. 350/25,4 mm Cutting disc for masonry, dia. 400/20 mm Hex screw M8x25 V-belt (for DPC6430 - 7331) V-belt (for DPC8131) V-belt (for DPC8132) Suction head Tank cap, compl. (fuel) Inner filter Air filter insert (paper cartridge) Pre-filter (foam, for DPC6430 - 7331) Pre-filter (foam, for DPC8131, 8132) Spark plug Starter cable ø 4,0x1000 mm Starter grip Return spring in housing Hexagonal nut M8 Universal wrench SW 13/19 Offset screwdriver T27 Screwdriver (carburetor) 1 3 4a 4b 4b 5 6 8 9 10 10 11 12 13 14 15 16 17 18

Accessories (not delivered with the Power Cut) Diamond cutting disc 22 22 22 22 22 22 22 22 22 22 22 22 22 22 24 25 26 27 28 29 30 31 32 966 221 021 966 321 020 966 221 011 966 321 010 966 241 021 966 341 020 966 241 011 966 341 010 966 244 021 966 344 020 966 244 011 966 344 010 966 264 020 394 228 121 010 114 081 700 394 355 957 802 600 394 365 102 394 114 271 394 114 240 394 114 230 908 006 355 909 905 165 949 000 035 980 008 627 980 008 628 1 2 2 2 4 1 1 1 Concrete Standard, dia.

300/20 mm Concrete DiaDuran, dia. 300/20 mm Asphalt Standard, dia. 300/20 mm Asphalt DiaDuran, dia. 300/20 mm Concrete Standard, dia. 350/20 mm Concrete DiaDuran, dia.

350/20 mm Asphalt Standard, dia. 350/20 mm Asphalt DiaDuran, dia. 350/20 mm Concrete Standard, dia. 350/25,4 mm Concrete DiaDuran, dia. 350/25,4 mm Asphalt Standard, dia. 350/25,4 mm Asphalt DiaDuran, dia. 350/25,4 mm Concrete Standard, dia. 400/25,4 mm Adapter ring, dia. 20/25,4 mm Angle fuel-tank filler neck, cpl. Guide trolley DT2000 cpl.

Pressure water tank, cpl. Mains water connection, cpl. Stand with rollers, complete (included only with DPC8132, but without items 29, 30, 31) Bushing Roller Star-head screw Star-head screw Combined can (for 5l fuel, 2.5l oil) Filter cleaner (0.5l) Air-filter oil (1.0l) 31 To find your local distributor, please visit www.makita-outdoor.com Makita Werkzeug GmbH Postfach 70 04 20 D-22004 Hamburg Germany Specifications subject to change without notice Form: 995 704 449 (6.09 GB).



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