

CC6A Low Voltage Cast Saw

Comprising:

CC6 Cast Saw

PS6 Power Supply

deSouther
MEDICAL

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Warnings & Safety Rules

Danger!: Possible explosion hazard if used in the presence of flammable anaesthetics.

Only permit trained personnel to use this equipment.

Do not connect the equipment to the mains supply until all the instructions have been studied and understood.

Always check that the voltage stated on the identification plate corresponds with the electrical supply.

Carefully inspect all equipment and accessories before use. Do not operate the equipment if it appears damaged or incorrectly installed.

Always test the equipment prior to use, and check for malfunction or rapid temperature rise. Do not use suspect or damaged equipment.

Always use eye protection when cutting to prevent injury from flying debris.

Always ensure that no loose articles can be caught by the moving parts of the equipment.

Always disconnect the equipment from the electrical supply when cleaning, changing accessories or when not in use.

Always allow the equipment to stop before removing from the cutting site.

Do not immerse the equipment in fluids.

Do not drop the equipment.

Do not clean with liquid or disinfectants.

Do not clean in an ultrasonic cleaner.

Product Description

The De Soutter Medical CC6 consists of two items:

- **CC6 Saw:** The De Soutter Medical model CC6 is a low voltage two speed saw designed for the safe removal of surgical casts.
- **PS6 Power Supply:** The PS6 power supply provides the CC6 saw with low voltage electricity.

System Assembly

Mains Supply Lead

If an unsuitable plug is fitted to the mains lead, remove and destroy this plug before disposal.

The wires in the mains lead are coloured in accordance with the following code:

Blue - Neutral

Brown - Live

Connect the wires in the mains lead to a suitable plug as follows:

Blue wire to the terminal marked either letter **N** or coloured blue or black.

Brown wire to the terminal marked either letter **L** or coloured brown or red.

Ensure that the correct fuse is fitted to protect the equipment: refer to the Technical Description for details of which fuse is required.

Saw:

- Insert the CC6 saw cable into the PS6 socket.
- Attach the blade of choice to the tool output shaft, secure the clamp screw and tighten with the hexagon key provided.

Always check the condition of the blade before use. The blade may be repositioned up to five times, therefore always presenting an unused section.

System Controls

Power Supply Controls:

The power supply is operated by the illuminated green switch at the rear.

Saw Controls:

Operate the saw using the rear mounted On/Off switch.

Select the desired saw speed by setting the switch on the rear of the saw to either
▶ (low) or ▶▶ (high).

Operation

System Operation

Switch the power supply on at the green illuminated switch. The saw may now be operated from the On/Off switch at the rear of the saw.

Cleaning and Maintenance

The system should be visually checked at each use for each of the following:

- Condition of the electrical cables, for wear or abrasion.
- Excessive build up of plaster dust.
- The blade for wear and the blade retainer for tightness.
- The system as a whole for damage.

Never use any equipment you suspect to be damaged. Periodic technical maintenance is not required.

Cleaning

Saw: Detach the blade with the hexagon key. Remove any plaster dust with a soft brush.

Wipe the outside of the tool with a damp cloth.

Power Supply: Wipe the outside of the Power Supply with a damp cloth.

Cutting Technique

Before use, the operator should handle the saw and determine the most convenient grip position.. Be careful to ensure that the ventilation slots in the underside of the saw are not covered.

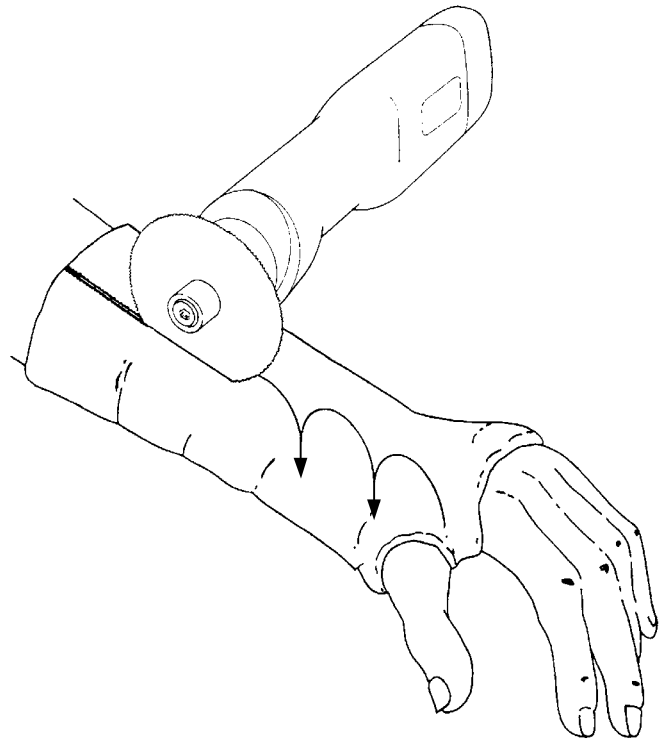
Do not exert excessive working pressure - allow the blade to cut at it's own rate. Excessive pressure will overload the motor, without increasing cutting efficiency, and will cause the overload to trip. If this occurs, reset the overload by pushing the overload button on the power supply.

CAUTION: Excessive cutting pressure will also cause the blade to overheat which may result in injury to the patient. Likewise badly worn blades will generate excessive heat therefore the blades should be inspected and replaced regularly.

Make the first cut both downwards and slightly sideways, at approximately 30 degrees, in order to keep one side of the blade out of contact with the cast. This will allow the operator a greater sense of feel when the blade breaks through.

After the first cut, all cuts should be made straight down into the cast. The cutter should be lifted slightly and moved sideways; the second cut can then be taken straight down, the operator feeling the break through quite easily.

Cutting can then proceed in a series of downward cuts, lifting and moving sideways progressively. The blade may touch soft mobile tissue momentarily without harm under a light pressure. However it should never be permitted to be in contact with skin for any length of time



Fault Finding

Unit will not start:

Check the condition of the fuses and the overload protectors, located on the power supply.

To release the built in fuses, depress and twist the fuse-holder. Withdraw the fuse in its holder, and inspect and replace as necessary.

Reset the overload protector by pushing the overload button on the power supply.

Unit stops in use:

Wait five minutes and see if the thermal overload reset. This is located in the power supply, and operates automatically.

Tool cuts slowly:

Check the condition of the blade. Adjust and replace the blade as required.

If any problem persists then consult De Soutter Medical Ltd.











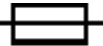
Service Instructions

See the exploded diagram opposite.

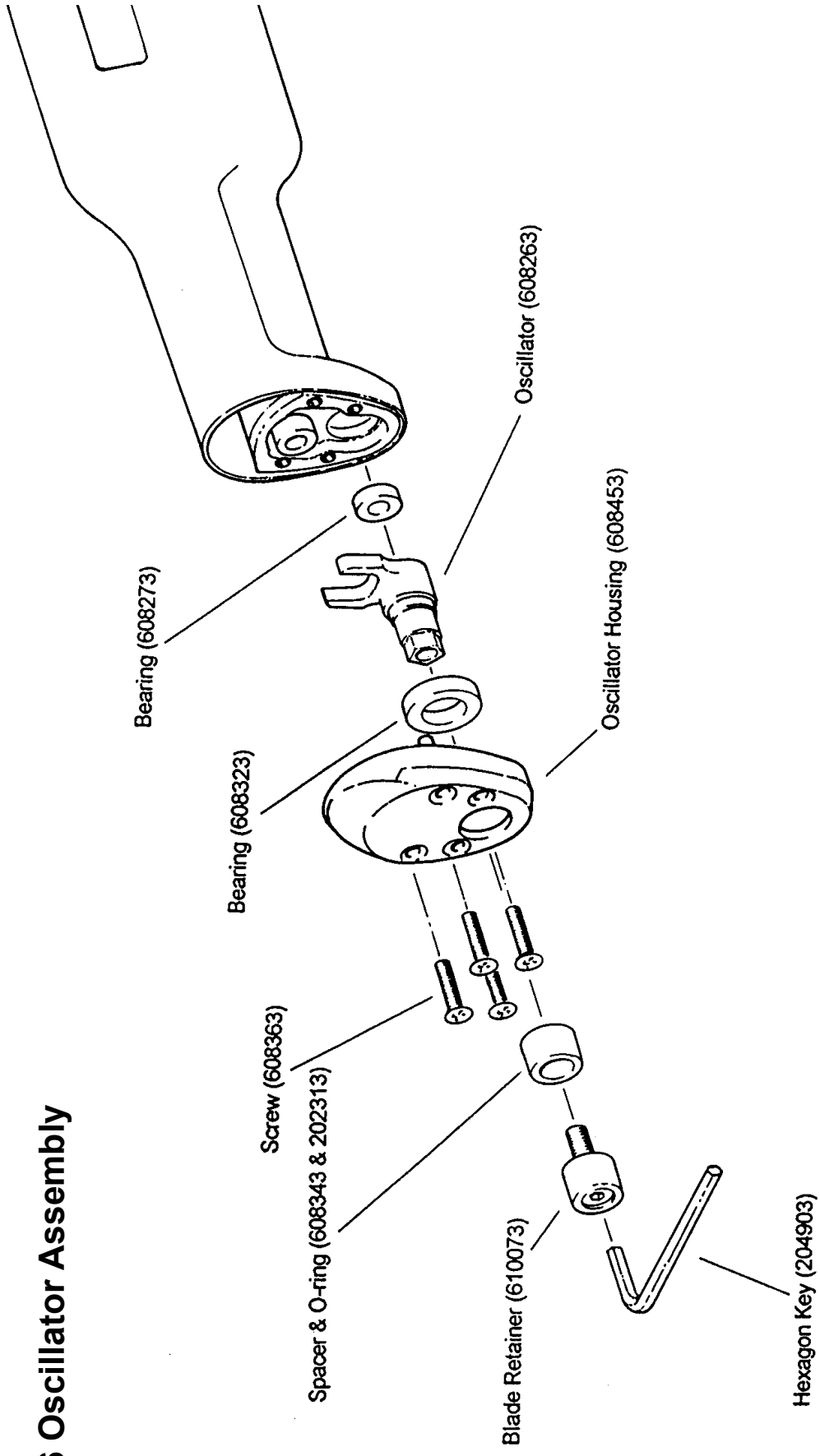
This equipment is only user serviceable for parts and assemblies described in the diagram. Any other repairs can only be carried out at an Authorised De Soutter Medical Service Centre.

If there are any service queries, including further information or replacement parts, contact De Soutter Medical.

Explanation of Symbols

	Alternating Current (a.c.)		Power On
	Direct Current (d.c.)		Power Off
	Class II Type of protection against electric shock.		Refer to Operating Instructions
	Type B degree of protection against electric shock		Do Not Immerse
	Saw Low Speed		Saw High Speed
	Fuse		

CC6 Oscillator Assembly



Technical Description

CC6 Saw

Oscillating Frequency, speed I	11 900 cycles/ min.
Oscillating Frequency, speed II	15 200 cycles/ min.
Power Consumption	100VA
Motor Protection	Overload cutout, manual reset (On PS6 Power Supply)
Sound Level	68dB(A)

PS6 Power Supply

Supply Voltage	230V~(ac) or 100-120V~(ac)
Supply Frequency	50 - 60Hz
Power Output	100 VA
Fuses	1 x F10A and: 1 x T2A 230V~ (ac) 1 x T4A 110-120V~ (ac)

CC6 Saw and PS6 Power Supply

Type of Protection against electric shock	Class II - double insulated.
Degree of Protection against electric shock	⚡- Type B
Degree of protection against harmful ingress of liquids	Ordinary
Mode of Operation	Continuous

Supplied Accessories.

Description	Part No.
Saw Blade	6250
Hexagon Key	204903

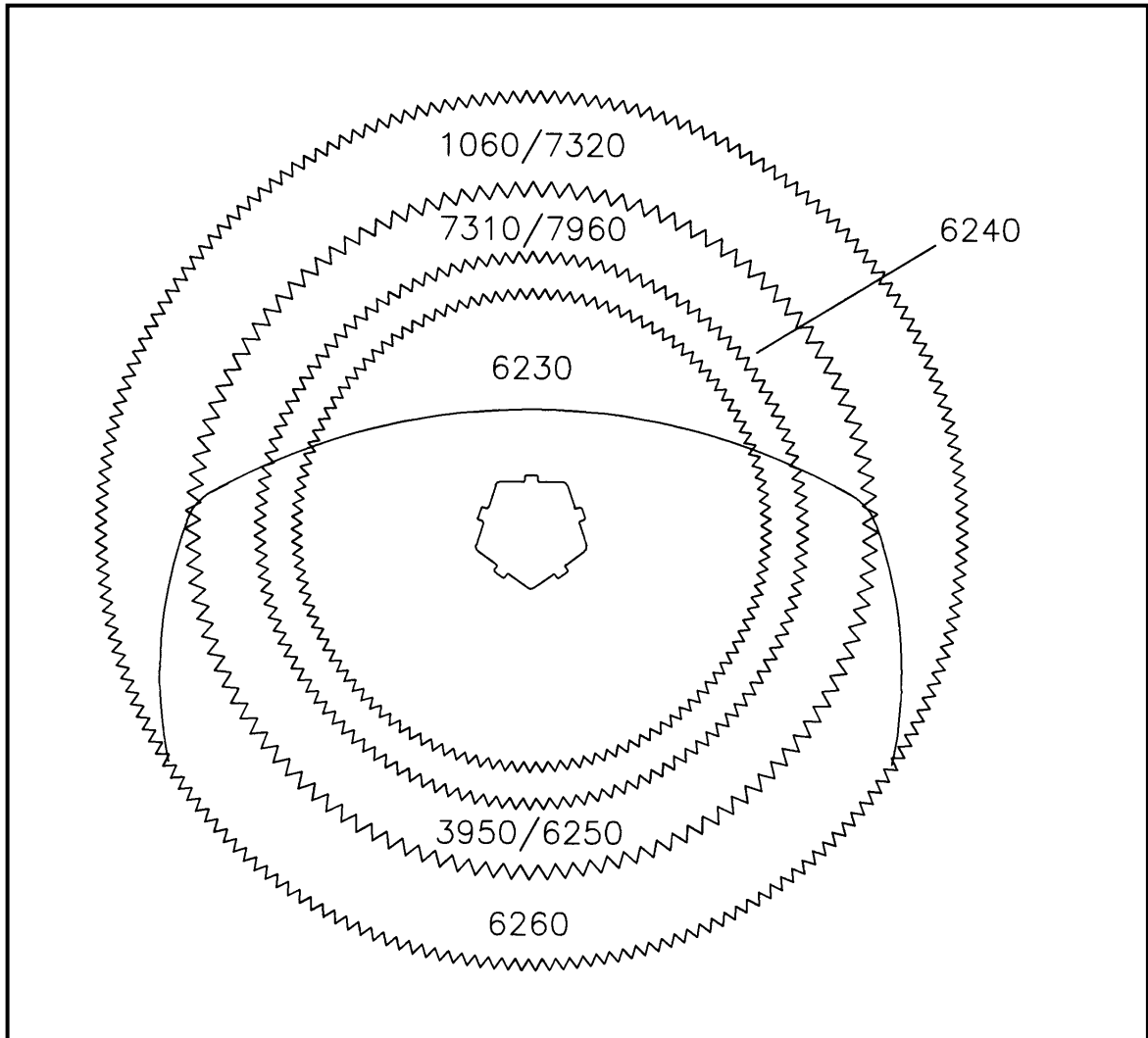
Optional Accessories.

Description	Part No.
Saw Blades	Refer to Chart at the end of these instructions

Equipment Part Number Details

Model No.	Part. No.	Description
CC6	1270664	Cast Saw
PS6 230V UK Cpte.	609073	Power Supply
PS6 230V Euro Cpte.	609083	Power Supply
PS6 120V Cpte.	609113	Power Supply
PS6 100V Cpte.	609103	Power Supply

Saw Blades



Part No.	Dia.	Type
1060	80	Circular PTFE Coated
3950	64	Circular TiN Coated
6230	44	Circular PTFE Coated
6240	50	Circular PTFE Coated
6250	64	Circular PTFE Coated
6260	80	Segment PTFE Coated
7310	64	Circular Diamond Coated
7320	80	Circular Diamond Coated
7960	64	Circular, Stainless Steel

Guarantee & Liability

De Soutter Medical guarantees all instruments, attachments and accessories to be free from defects in material and workmanship for one year from the date of purchase.

De Soutter Medical is not liable by warranty or otherwise in the case of any of the following:

- Abuse, misuse or use in other than the designed purpose;
- Alteration or unauthorised repair;
- If the product has not been used in a reasonable manner and in full compliance with the written instructions.

This guarantee does not affect your Statutory Rights in accordance with 1999/44/EEC

Conditions for Transport & Storage

Temperature:	-20°C to +40°C
Relative Humidity:	90% maximum.
Atmospheric Pressure:	1.5 Atmospheres maximum.



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Ref.: 1067en – 5.1