

de	Originalbetriebsanleitung - Schwertsäge	8
en	Original Instructions – Sword saw	22
fr	Notice d'utilisation d'origine - Scie épée	35
es	Manual de instrucciones original - Sierra de espada	50
it	Istruzioni per l'uso originali - Sega a spadino	65
nl	Originele gebruiksaanwijzing - zwaardzaag	79
sv	Originalbruksanvisning – Svärdsåg	93
fi	Alkuperäinen käyttöopas - Miekka- ja eristesaha	105
da	Original brugsanvisning – sværdsav	118
nb	Original bruksanvisning – sverdsag	131
pt	Manual de instruções original - Serra de corrente	144
ru	Оригинальное руководство по эксплуатации — цепная пила	159
CS	Návod k obsluze – tesařská řetězová pila	174
pl	Oryginalna instrukcja obsługi – pilarka mieczowa	187

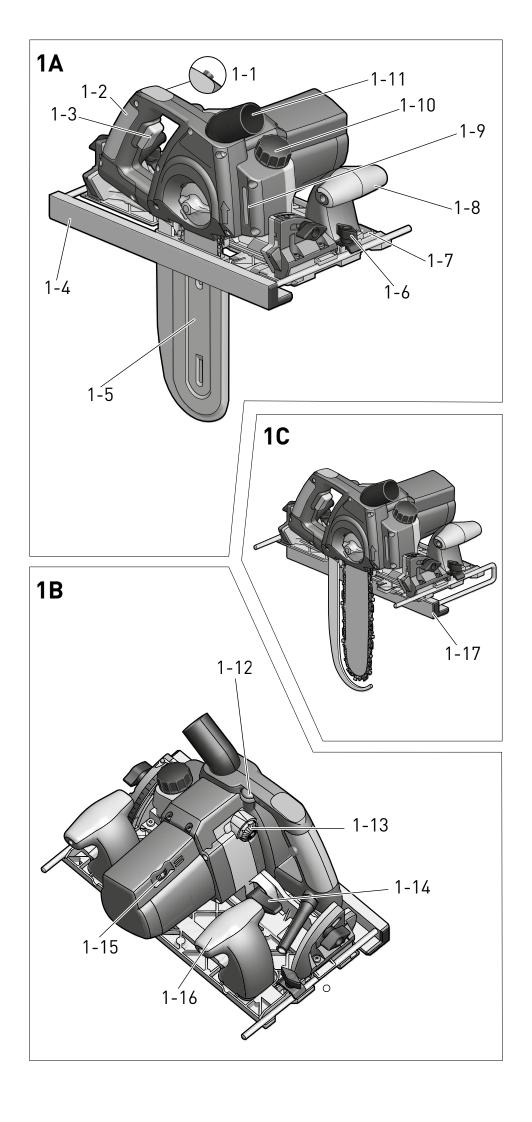
SSU 200 EB

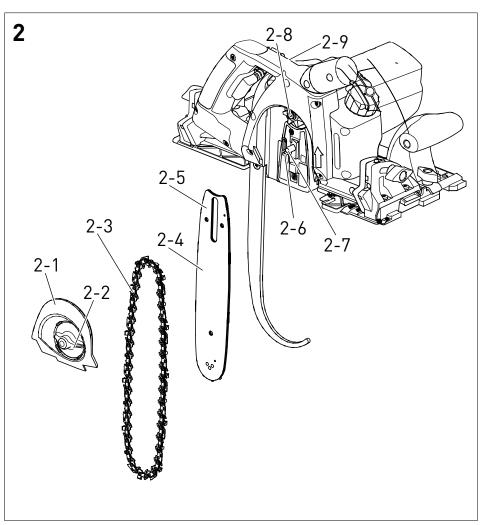


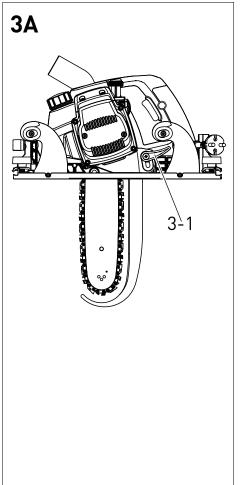
Festool GmbH Wertstraße 20 73240 Wendlingen Germany +49 (0)70 24/804-0 www.festool.com

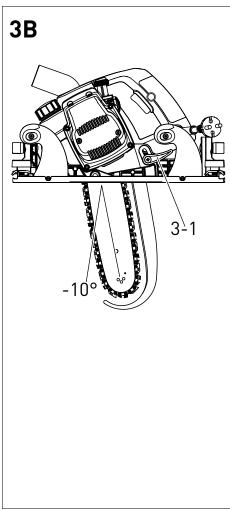


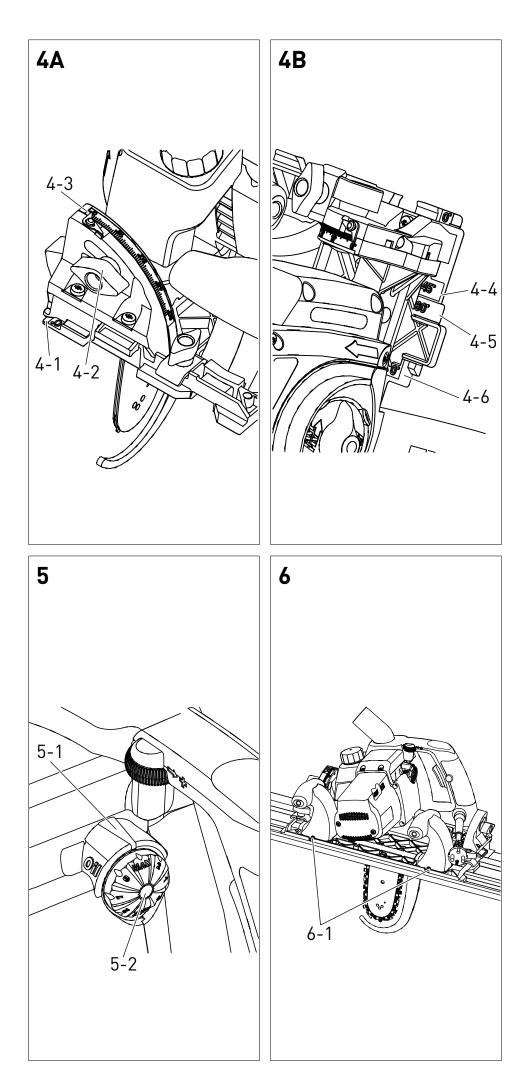


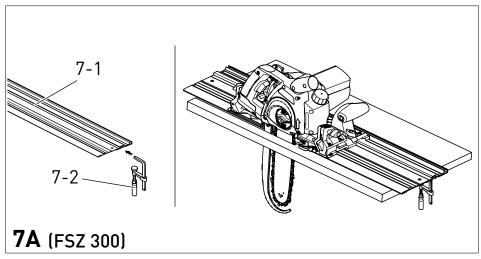


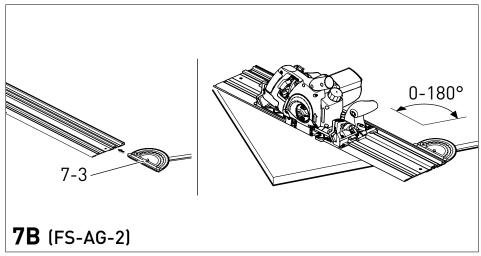


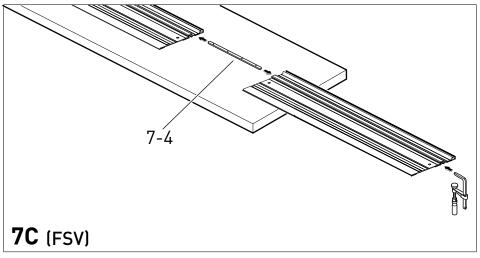


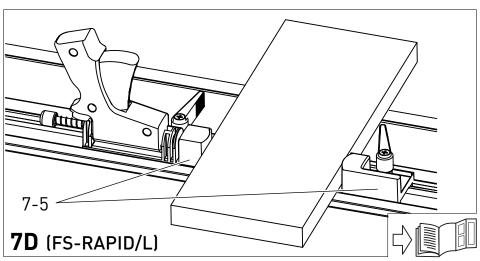












Sword saw	Serial number ¹⁾ (T-Nr.)
SSU 200 EB	769233, 205049

We as the manufacturer declare under our sole responsibility that the product(s) fulfill(s) all the relevant provisions of the following UK Regulations and are manufactured in accordance with the following designated standards:

S.I. 2008/1597	Supply of Machinery (Safety) Regulations 2008
S.I. 2016/1091	Electromagnetic Compatibility Regulations 2016
S.I. 2001/1701 ²⁾	Noise Emission in the Environment Regulations 2001
S.I. 2012/3032	Restriction of the Use of Certain Hazardous Substances in Electrical
	and Electronic Equipment Regulations 2012

BS EN 62841-1 + A11:2015

BS EN 62841-2-5:2014

BS EN 62841-4-1:2020

BS EN 55014-1:2017

BS EN 55014-2:2015

BS EN IEC 61000-3-2:2014

BS EN 61000-3-3:2013

BS EN ISO 3744:20102)

BS EN IEC 63000:2018



Signed on behalf of and in name of

Festool GmbH

Wertstr. 20, 73240 Wendlingen, GERMANY

Place and date of declaration: Wendlingen, 2023-03-01

Markus Stark

Head of Research & Development Products

Christian Bader

Head of Development Functions

^{1]} in the specified serial number range (S-Nr.) from 40000000 - 49999999

²¹ to determine the measured and guaranteed sound power level measured sound power level: 102 dB(A); guaranteed sound power level: 104 dB(A)

Schwertsäge	Seriennummer *	
Sword saw	Serial number *	
Scie épée	N° de série *	
	(T-Nr.)	
SSU 200 FB	768421 205048	

- de EU-Konformitätserklärung. Wir erklären in alleiniger Verantwortung, dass dieses Produkt mit allen relevanten Anforderungen folgender EU-Richtlinien übereinstimmt, und folgende Normen oder normative Dokumente zugrunde gelegt wurden:
- **EU Declaration of Conformity.** We declare under sole responsibility that this product complies with all the relevant requirments in the following EU Directives, and following standards or normative documents were applied:
- **fr Déclaration de conformité de l'UE.** Nous déclarons, sous notre seule responsabilité, que ce produit satisfait à toutes les exigences pertinentes des directives UE suivantes et repose sur les normes ou documents normatifs suivants :
- **Declaración UE de conformidad.** Declaramos bajo nuestra responsabilidad que este producto cumple todos los requisitos relevantes de las siguientes directivas de la UE y que se han tomado como base las siguientes normas o documentos normativos:
- **Dichiarazione di conformità UE.** Dichiariamo sotto nostra unica responsabilità che il presente prodotto sia conforme a tutti i requisiti di rilevanza definiti dalle seguenti Direttive UE e che siano stati applicati le seguenti norme o i seguenti documenti normativi:
- **EU-conformiteitsverklaring.** Wij verklaren en stellen ons ervoor verantwoordelijk dat dit product volledig voldoet aan alle volgende EU-richtlijnen en volgende normen of normatieve documenten daaraan ten grondslag gelegd werden:
- **EU-försäkran om överensstämmelse.** Vi förklarar på eget ansvar att denna produkt uppfyller alla relevanta krav enligt följande EU-direktiv och baseras på följande normer eller normgivande dokument:
- **EU-vaatimustenmukaisuusvakuutus.** Vakuutamme yksinomaisella vastuulla, että tämä tuote täyttää seuraavien EU-direktiivien kaikki olennaiset vaatimukset ja se on seuraavien standardien tai standardiasiakirjojen mukainen:
- **EU-overensstemmelseserklæring.** Vi erklærer med eneansvar, at dette produkt er i overensstemmelse med alle relevante krav i følgende EU-direktiver, og at følgende standarder eller normative dokumenter danner grundlag for det:
- nb **EU-samsvarserklæring.** Vi erklærer under eneansvar at dette produktet oppfyller alle relevante krav i følgende EU-direktiver og at følgende standarder eller normative dokumenter er blitt lagt til grunn:
- pt Declaração de conformidade UE. Sob nossa inteira responsabilidade, declaramos que este produto está de acordo com todas as exigências relevantes das seguintes diretivas UE, tendo sido tomadas por base as seguintes normas ou documentos normativos:

- ги Декларация о соответствии ЕС. Мы со всей ответственностью заявляем, что данная продукция соответствует всем применимым требованиям следующих Директив ЕС, стандартов и нормативных документов:
- **Prohlášení o shodě EU.** Prohlašujeme s veškerou odpovědností, že tento výrobek splňuje všechny příslušné požadavky následujících směrnic EU a že byly použity následující normy nebo normativní dokumenty:
- **Deklaracja zgodności UE.** Niniejszym oświadczamy na własną odpowiedzialność, że produkt ten spełnia wszystkie obowiązujące wymogi następujących dyrektyw UE, norm lub dokumentów normatywnych.

2006/42/EC, 2014/30/EU, 2000/14/EG ¹⁾, 2011/65/EU

EN 62841-1:2015 + AC:2015, EN 62841-2-5:2014

EN 62841-4-1:2020

EN 55014-1: 2017, EN 55014-2:2015

EN IEC 61000-3-2:2014

EN 61000-3-3:2013

EN ISO 3744:2010 1)

EN IEC 63000:2018



Unterzeichnet für und im Namen von/ Signed on behalf of and in name of/ Signé pour et au nom de

Festool GmbH

Wertstr. 20, 73240 Wendlingen, GERMANY Wendlingen, 2023-03-01

ppa. 1387

Markus Stark Head of Research & Development Products

Christian Bader

Head of Development Functions

* im definierten Seriennummer-Bereich (S-Nr.) von 40000000 -

in the specified serial number range (S-Nr.) from 40000000 - 4999999

dans la plage de numéro de série (S-Nr.) de 40000000 - 4999999

1) gilt für SSU 200 EB zur Ermittlung des gemessenen und des garantierten Schallleitungspegels. Gemessener Schallleistungspegel: 102 dB(A); garantierter Schallleitungspegel: 104 dB(A) valid for SSU 200 EB to determine the measured and guaranteed sound power level. Measured sound power level: 102 dB(A); guaranteed sound power level: 104 dB(A)

s'applique au SSU 200 EB pour déterminer le niveau de conduction acoustique mesuré et le niveau de conduction acoustique garanti. Niveau de puissance acoustique mesuré : 102 dB(A) ; niveau de conduction acoustique garanti : 104 dB(A)

\mathbf{c}	_	_	1	_	_	ı	_
C	u	п	L	e	п	L	3

1	Symbols	22
2	Safety warnings	.22
3	Intended use	.26
4	Technical data	27
5	Parts of the machine	. 27
6	Transport and storage	28
7	Settings	.28
8	Commissioning	.29
9	Operation	.30
10	Accessories	30
11	Maintenance and care	.31
12	Environment	33
13	General information	34
14	Troubleshooting	34
	=	

1 Symbols



Warning of general danger



Warning of electric shock



Read the operating manual and safety warnings.



Wear a dust mask.



Wear ear protection.



Safety class II



Do not expose to rain!



If the movable supply line is damaged or cut through, immediately disconnect the plug from the mains.



Acoustic output value



Max. cutting depth and length of the guide strip



CE marking: Confirms the conformity of the power tool with the European Community directives.



UKCA marking: Confirms the conformity of the product with UK regulations.



Do not dispose of it with domestic waste.



Tip or advice

Handling instruction

2 Safety warnings

2.1 General power tool safety warnings

WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

2.2 Safety instructions for chain saws

General chain saw safety warnings

- Keep all parts of the body away from the saw chain when the chain saw is operating. Before you start the chain saw, make sure the saw chain is not contacting anything. A moment of inattention while operating chain saws may cause entanglement of your clothing or body with the saw chain.
- Always hold the chain saw with your right hand on the rear handle and your left hand on the front handle. Holding the chain saw with a reversed hand configuration increases the risk of personal injury and should never be done.
- Hold the chain saw by insulated gripping surfaces only, because the saw chain may contact hidden wiring or its own cord. Saw chains contacting a "live" wire may make exposed metal parts of the chain saw "live" and could give the operator an electric shock.
- Wear eye protection. Further protective equipment for hearing, head, hands, legs and feet is recommended. Adequate protective equipment will reduce personal injury from flying debris or accidental contact with the saw chain.
- Do not operate a chain saw in a tree, on a ladder, from a rooftop, or any unstable support. Operation of a chain saw in this manner could result in serious personal injury.
- Always keep proper footing and operate the chain saw only when standing on fixed, secure and level surface. Slippery or unstable surfaces may cause a loss of balance or control of the chain saw.

- When cutting a limb that is under tension, be alert for spring back. When the tension in the wood fibres is released, the spring loaded limb may strike the operator and/or throw the chain saw out of control.
- Use extreme caution when cutting brush and saplings. The slender material may catch the saw chain and be whipped toward you or pull you off balance.
- Carry the chain saw by the front handle
 with the chain saw switched off and away
 from your body. When transporting or
 storing the chain saw, always fit the guide
 bar cover. Proper handling of the chain
 saw will reduce the likelihood of accidental
 contact with the moving saw chain.
- Follow instructions for lubricating, chain tensioning and changing the bar and chain.
 Improperly tensioned or lubricated chain may either break or increase the chance for kickback.
- Cut wood only. Do not use chain saw for purposes not intended. For example: do not use chain saw for cutting metal, plastic, masonry or non-wood building materials. Use of the chain saw for operations different than intended could result in a hazardous situation.
- This chain saw is not intended for tree felling. Use of the chain saw for operations different than intended could result in serious injury to the operator or bystanders.

Causes and operator prevention of kickback

Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut. Tip contact in some cases may cause a sudden reverse reaction, kicking the guide bar up and back towards the operator.

Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator.

Either of these reactions may cause you to lose control of the saw which could result in serious personal injury. Do not rely exclusively upon the safety devices built into your saw. As a chain saw user, you should take several steps to keep your cutting jobs free from accident or injury. Kickback is the result of chain saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

- Maintain a firm grip, with thumbs and fingers encircling the chain saw handles, with both hands on the saw and position your body and arm to allow you to resist kickback forces. Kickback forces can be controlled by the operator, if proper precautions are taken. Do not let go of the chain saw.
- Do not overreach and do not cut above shoulder height. This helps prevent unintended tip contact and enables better control of the chain saw in unexpected situations.
- Only use replacement guide bars and saw chains specified by the manufacturer. Incorrect replacement guide bars and saw chains may cause chain breakage and/or kickback.
- Follow the manufacturer's sharpening and maintenance instructions for the saw chain. Decreasing the depth gauge height can lead to increased kickback.

2.3 Further safety instructions

- Only ever use the power tool for its intended use. Using the power tool as a stationary saw is prohibited.
- Unauthorised persons are forbidden from touching the power tool and its electric supply line.
- The applicable legal regulations regarding safety at work, the safety warnings and other generally applicable health and safety principles must be adhered to. The manufacturer shall not be liable for any damage resulting from unauthorised modifications to the power tool.
- Use appropriate detection devices to look for any hidden supply lines or consult your local utility company. If the insertion tool makes contact with live cables, it can result in fire and electric shock. Damage to a gas pipe can lead to an explosion. Penetration of a water pipe can result in damage to property.
- Wear protective goggles and ear protection that comply with national regulations for personal protective equipment when working. Wear a cut protection overall or cut protection trousers. Wear sturdy footwear with non-slip soles. Do not wear loose jackets, scarves, jewellery, etc. that can get caught in the saw chain.
- To comply with the safety class, you must check the saw for safety. This is why you

- must commission a specialist electrotechnical workshop to perform this work.
- We recommend using a residual current device with a tripping current of 30 mA or less.
- Only the permitted and appropriately marked extension cables must be used outdoors. The extension cable must be checked regularly and replaced immediately in the event of damage.
- Be aware of environmental factors. Do not leave the power tool out in the rain and do not use it in a humid or wet environment.
 Ensure the work area is well lit and do not use the power tool near flammable liquids and gases. When warm, the power tool must not be put down where it could catch fire and it must be kept clean.
- Regularly check the movable supply line and, in the event of damage, have it replaced in a specialist workshop. Do not use the movable supply line to carry the power tool or to pull the plug out of the socket. The cable must be protected from high temperatures, oil and movement over sharp edges.
- Before using the power tool, always check all guards, elements and moving parts. All parts must be attached correctly and all conditions for correct operation of the power tool must be met. Damaged guards and elements must be repaired or replaced properly in an authorised workshop. Damaged switches must be replaced by an authorised workshop. Do not use the power tool if the switches cannot be switched on or off.
- Prevent the switch from jamming in the ON position.
- Take good care of the tools. Using sharp and clean tools is the only way to work more effectively and safely. Defective, blunt tools or tools with unsuitable dimensions must not be used. Note the instructions for tool maintenance and tool replacement.
- Never use blunt or damaged chains. Using blunt or incorrectly set chains results in a higher load, which can destroy the power tool and subsequently cause injuries.
- Only use accessories or special accessories that are recommended by the manufacturer.
- The guard plate must not be removed or modified.

- The guard plate is an integral part of the power tool. You must not adapt, shorten or remove it. Ensure that it is at the level of the guide strip, that the chain tension is correct and that it does not touch the guard plate. The minimum distance between the chain and the guard plate is 5 mm.
- For the guard plate to work, it must be positioned in the cut groove. The guard plate does not prevent kickback when sawing saw cuts.
- If the guard plate is bent, do not use the saw.
- As a general rule, the guards and protective devices must not be removed and they must not be prevented from working properly.
- Only ever use chain saw bars, chains and chain sprockets that have been recommended by the manufacturer. The chain saw bar must always be properly secured.
- Chains with teeth for stationary power tools must not be used.
- Do not saw workpieces that are too large or too small for the power tool.
- Plunge cuts are not possible at all as the guard plate assembly does not allow them.
 Removing the guard plate is prohibited.
- Making a groove or recess (plunging) into solid, sealed surfaces with the tool running is prohibited. Risk of injury from power tool kickback!
- When the power tool is not being used or when the tool is being repaired or replaced, pull the plug of the movable supply line out of the socket.

Safe working

Before starting

- Ensure your work area is tidy. An untidy work area can cause accidents at work.
- Always lay the movable supply line in such a way that it cannot be caught by the tool and does not pose an additional hazard, e.g. tripping.
- When operating the power tool in an enclosed space, ensure sufficient ventilation or use a dust extraction system. Do not saw hazardous materials, such as asbestos.
- Before you start work, check the lubricating oil level and that the lubrication system is working properly.
- Check that the original chain sprocket cover is complete. If the original chain sprock-

et cover is incomplete or damaged, it must not be used. It must not be replaced with other components either, e.g. with nuts. The tensioning system was specially designed for your saw to ensure optimal functionality and safety when working.

- Before you start sawing, tighten the adjusting levers for tilting and angle adjustment of the guide strip sufficiently and reliably. If the position of the guide strip is readjusted during sawing, this can cause jamming and kickback.
- Remove all foreign particles from the material to be cut, especially metal, which could damage the tool and lead to injury.
- Before switching on the power tool, check that the guide strip is secured properly and that the chain tension is correct.
- The correct chain tension is important.
 Check the chain tension before starting work and continuously while you work.
 Choose a chain rate of advance so that the chain does not stop.
- Do not switch on the power tool until it has been placed on the workpiece to be cut.
 Only start sawing once the power tool has reached maximum speed.

During work

- During sawing, the selected cutting direction must not be changed using force.
- Ensure that you keep your hands at a safe distance from the cutting area and the chain. Hold the additional hand grip firmly in your other hand. If you hold the saw in both hands, you cannot experience any hand injuries.
- Never hold a workpiece in your hand or support it with your knee during cutting.
 The workpiece must be secured on a solid surface. It is important that the workpiece to be cut is properly supported to minimise the risk of any part of your body coming into contact with it, the chain jamming or a loss of control.
- Do not reach under the material being cut.
 The guard plate does not provide sufficient protection against contact with the chain under the workpiece being cut.
- If you are sawing large boards or sheets, ensure a good support to prevent the chain jamming and kickback. Large boards or sheets tend to bend or bow under their own weight. The support must be fitted under

- the board or sheet on both sides of the cut and near the edges of the board or sheet.
- For rip cuts, always use the guide rail and/or the parallel side fence. This improves the cutting accuracy and reduces the risk of the chain jamming.
- If the chain is twisted or not aligned in the cut, the teeth on the rear edge of the chain may hit against the wooden surface from above, causing the chain to jump out of the cut and jerking the saw back towards the user.
- If the chain becomes jammed or if it becomes necessary to release the chain for any other reason, switch the saw off immediately and hold the saw in the material until the chain comes to a complete stop. Never attempt to lift the saw out of the cut or to withdraw it when the chain is not stationary as this can cause kickback. Try to ascertain the causes of the chain jam and the solution for rectifying the causes.
- When restarting the saw with the chain in the workpiece, centre the chain in the cut and ensure that the teeth are not in contact with the material. If the chain is jammed, it may jump out of the workpiece or cause kickback after the saw is restarted.
- Caution during chip ejection! If the chip ejector is blocked, switch off the power tool and pull the supply line out of the socket. You can only remove the chain sprocket cover and clean the blocked opening once the chain has come to a stop. Do not reach into the chip ejector unless the power tool is completely still.
- The power tool must only be removed from the workpiece to be cut once the chain has come to a stop.
- After finishing the cut and switching off the power tool, it must be kept in the working position until it has come to a complete stop.
- We recommend placing the power tool down on the guide table or Systainer. This way, you avoid any damage to the chain and the chain guide strip.
- Before you place the saw on the workbench or the floor, always check that the chain has stopped and that the saw is resting against the guard plate. If the chain is not protected and runs on, this will cause kickback and will saw everything it comes into contact with. Take into consideration the

time required for the chain to come to a stop after the power tool is switched off. We recommend placing the saw down level on the guide table or the Systainer.

- If the power tool is not being used, always attach the guard to the chain; this also applies when carrying the power tool.
- Never carry the power tool with the chain running.
- When not in use, the power tool must be kept in a safe, dry and locked place, out of the reach of children and unauthorised persons.

2.4 Other risks

Even when the power tool is used as per the recommendations and all safety instructions have been adhered to, the design engineering of the power tool and its use mean that the following safety risks may arise:

- Injury at teeth when replacing the chain.
- Injury when touching the chain in the cutting area.
- Clothing drawn in by running chain.
- Injury from saw offcuts or tool parts flying off.
- Danger caused by movable supply cable.
- Kickback from chain jamming or working with the point of the strip.
- Hazardous concentration of dust when working in rooms with insufficient ventilation.
- Injury caused by touching live parts when disassembling the power tool or its parts if the mains plug of the movable supply line has not been removed from the socket.
- Hearing damage when working for prolonged periods without hearing protection.

2.5 Emission levels

Measured values determined according to EN 62841.

The A-rated noise level of the machine is typically:

Sound pressure level $L_{PA} = 91 \text{ dB(A)}$

Sound power level $L_{WA} = 102 \text{ dB(A)}$

Acoustic output value measured according to established directive 2000/14/EC, Annex VI.

Measured sound power lev- $L_{WA} = 102 \text{ dB(A)}$ el

Uncertainty K = 3 dB

Guaranteed sound power $L_{WAd} = 104 \text{ dB(A)}$

Evaluation methods for conformity in accordance with Annex VI. Product category: 6.

Named body: SLG Prüf- und Zertifizierungs GmbH Burgstädter Straße 20 09232 Hartmannsdorf

Germany



CAUTION

Noise generated when working Risk of damage to hearing

► Use ear protection.

The hand/arm vibration is typi- $a_h = 3.0 \text{ m/s}^2$ cally

Uncertainty $K = 1.5 \text{ m/s}^2$

The specified emission levels (vibration, noise)

- are used to compare machines.
- They are also used for making preliminary estimates regarding vibration and noise load during operation.
- They represent the primary applications of the power tool.



CAUTION

The emission values may deviate from the specified values. This is dependent on how the tool is used and the type of workpiece being machined.

- Assess the actual load during the entire operating cycle.
- Depending on the actual load, suitable protective measures must be defined in order to protect the operator.

3 Intended use

3.1 Functional description

The SSU 200 EB sword saw was developed for multi-purpose carpentry work. The power tool can make rectangular cuts and adjustable angle cuts to a depth of 200 mm. Various types of chains allow you to select the right tool for the job.

A cutting angle as large as 60° can be set quickly and precisely using two tilting segments

and a clearly legible bevel indicator. The power tool is equipped with a pull-out guide ruler that can be placed on either side of the runner and guarantees a straight, accurate cut. The guide strip can be quickly tilted back 10°. Chain tension can be comfortably adjusted using a wheel that is easily accessible from the main handle. A suitably shaped port for routing away sawdust keeps the power tool clear and can be attached to a suction hose.

During cutting, the chain receives optimal lubrication from the oil feed pump. Once turned on, the motor runs smoothly up to maximum RPM, thanks to an electronic control unit. The motor is electronically protected. In the event of an accidental overload, it switches off automatically. If overloaded for a longer period, it switches to "cooling mode", during which the power tool runs at a low cooling RPM, and once cooled, it returns to the normal operating mode. When the power tool is turned off, an electric brake activates, which significantly shortens the power tool's run-down time. Depending on the usage, this run-down time may vary considerably.

3.2 Tool properties

The SSU 200 EB sword saw is designed for transversal and shorter longitudinal cuts in dense, solid wood and similar materials.

The power tool is operated by a person who holds and guides it using designated handles; the basic grip is by the front auxiliary handle and the main handle. Holding the rear auxiliary handle is only permitted if there is no danger of kickback. Any other usage of this power tool is considered improper.

The power tool is not designed for felling or trimming trees or bushes!

This power tool must not be operated by people under 16 years of age.



The user is liable for improper or non-intended use.

4 Technical data

Sword saw	SSU 200 EB
Power supply	220-240 V~
Mains frequency	50-60 Hz
Power consumption	1600 W
Movable supply line	H07RN-F
Fuse	15–16 A current protection

	_
Sword saw	SSU 200 EB
Speed preselection	0
Stabilising electronics	0
Electric safety brake	0
Starting current limiter	0
Automatic lubrication of the guide strip	0
Chain sprocket rotation depending on setting of electronics	2200–4600 rpm
Max. chain speed	10.6 m/s
Mitre cut	0°-60°
Cutting depth [20 cm (8") guide	e strip]
At 0°	200 mm
At 15°	190 mm
At 30°	170 mm
At 45°	140 mm
At 60°	100 mm
Oil reservoir capacity	~ 240 ml
Weight as per EPTA procedure 01:2014	6.5 kg

5 Parts of the machine

- [1-1] Safety lock
- [1-2] Handle
- [1-3] Switch button
- [1-4] Offset parallel side fence
- [1-5] Chain guard
- [1-6] Clamping screw for parallel side fence
- [1-7] Guide table
- [1-8] Front additional hand grip
- [1-9] Oil level indicator
- [1-10] Oil reservoir cap
- [1-11] Rotating chip ejector
- [1-12] Chain tensioning wheel
- [1-13] Oil feed wheel
- [1-14] Setting for drawing cut
- [1-15] Speed preselection

[1-16]	Rear additional hand	grip

[1-17] Offset parallel side fence

[2-1] Chain sprocket cover

[2-2] Tensioning wheel

[2-3] Chain

[2-4] Guide strip

[2-5] Opening for clamping bolt

[2-6] Clamping bolt

[2-7] Clamping screw

[2-8] Chain sprocket

[2-9] Chain tensioning wheel

[3-1] Setting for drawing cut

[4-1] Chain marker for 0°

[4-2] Hand screw for setting the mitre angle

[4-3] Scale

[4-4] Chain marker for 45°

[4-5] Chain marker for 60°

[4-6] Gauge marker for 0°

[5-1] Oil level indicator

[5-2] Oil feed wheel

[6-1] Spacer screws

[7-1] Guide rail

[7-2] Clamp

[7-3] Adjustable angle stop

[7-4] Connecting piece

[7-5] Quick-action clamp

[8-1] Circlip

[8-2] Washer

[8-3] Chain sprocket

[8-4] Spindle

Accessories shown or described are not always included in the scope of delivery.

The illustrations specified are located at the beginning and end of the operating instructions.

6 Transport and storage

The sword saw SSU 200 EB is delivered in perfect, tested condition, packed in a Systainer.

The oil reservoir of the power tool is not filled with oil. After receiving the power tool, unpack

it immediately and check for any damage caused by transport. Report any damage caused by transport to the freight forwarding company immediately.

6.1 Storage

The saw can be stored in its packaging in a dry, unheated place where the temperature does not drop below -5 °C. Once unpacked, the saw should only be stored in a dry, locked place where the temperature does not drop below +5 °C and where there are no sudden temperature changes.

7 Settings

1 4

WARNING

Risk of injury, electric shock

Always disconnect the mains plug from the socket before performing any work on the machine.

7.1 Drawing cut

It is possible to tilt the chain strip and the guard plate backwards by 10°. This setting is mainly used when multiple layers one behind the other are to be cut at the same time. This prevents the tool from being forced off and an uneven cut

- ► Release the lever [3-1] (Fig. [3A]) upwards.
- ► Pull on the handle to tilt the chain strip backwards and lock it downwards again with the lever [3-1] (Fig. [3B]).

7.2 Setting the mitre angle

- The maximum cutting depth is limited for mitre cuts.
- ► Undo the hand screws [4-2] on both sides.
- ► Using the scale **[4-3]**, set the cutting angle to the required value (the scale is divided into 1° increments).
- ► Retighten the hand screws [4-2].

7.3 Electronics

Smooth start-up

The electronically controlled smooth start-up function ensures that the power tool starts up smoothly. The limited starting current ensures that even standard household fuses are not triggered.

Speed reduction in no-load state

When the power tool is in no-load state, the electronics reduce the speed, which also lowers the noise intensity.

Constant speed

The motor speed is electronically kept constant. This ensures a uniform cutting speed even when under load.

Speed control

You can use the speed regulator [1-15] to continuously adjust the speed within the speed range (see section 4) depending on the material.

Overload safety device

The power supply is restricted if the power tool is overloaded to extremes. The power supply is disconnected completely if the motor jams for some time. You will need to remove the load and/or switch off the power tool before you can use it again.

Temperature cut-out

To avoid the motor overheating, the power consumption is limited at an excessive motor temperature (e.g. if the pressure is too high while working). If the temperature continues to rise, the power tool switches off. It can only be switched on again once the motor has cooled sufficiently.

Restart protection

The built-in restart protection prevents the power tool from starting up again automatically if the power is disconnected during continuous use. To put the power tool back into operation, it must first be switched off and then on again.

8 Commissioning

8.1 Mains connection



WARNING

Unauthorised voltage or frequency. Risk of accidents

- ► The mains voltage and the frequency of the power source must correspond to the specifications on the name plate.
- ► In North America, only Festool machines with the voltage specifications 120 V / 60 Hz may be used.

The power tool may only be operated with single-phase alternating current at a rated voltage of 220–240 V/50–60 Hz. The power tool has class II protection against accidents caused by electric shock in accordance with the EN 62841 standard and has a built-in interference suppression module in accordance with the EN 55014 standard.

The power cable can be extended in the following manner, if necessary:

- Length 20 m, cross-section of wires 3×1.5 mm²
- Length 50 m, cross-section of wires 3×2.5 mm²

Only use extension cables that are designed for outdoor use and are marked accordingly.

8.2 Inserting the chainsaw chain

- i When the power tool is delivered, the chain is not fitted on the guide strip.
- Remove the chain sprocket cover [2-1] by turning the tensioning wheel [2-2] anticlockwise (Fig. [2]).
- ► Place the new chain [2-3] on the guide strip [2-4] and insert it into the power tool.
 - i Ensure that the chain teeth are in the correct position relative to the direction of rotation. The direction of rotation is marked by an arrow on the power tool and under the chain sprocket cover there is a marking which shows how the chain is inserted.
- Align the guide chain links on the chain sprocket [2-8] and turn using the tensioning wheel [2-9] so that the opening for clamping bolt [2-5] engages on the clamping bolt [2-6].
 - Clockwise to loosen: As viewed from above, the screw moves upwards.
 - Anticlockwise to tighten: As viewed from above, the screw moves downwards.
- Then place the chain sprocket cover [2-1] on the retaining screw [2-7] and tighten it by turning the tensioning wheel [2-2] clockwise.
- The chain must be tensioned correctly before being fully tightened (see section 11.1).

8.3 Filling the oil reservoir

NOTICE

The chain lubricating oil reservoir is empty on delivery.

Operating the saw when the oil reservoir is not full enough or the lubrication system is not working properly will damage the saw.

The oil reservoir must be filled with chain lubricating oil before commissioning.

The oil reservoir cap of the [1-10] has an opening with an inlet valve for air pressure equalisa-

tion. If the power tool is used in any position other than horizontal, this may result in the chain not being lubricated. The oil reservoir outlet is located on the bottom of the oil reservoir. When the power tool is turned over, the pump cannot draw in any oil.

The oil level in the reservoir is displayed on the oil level indicator [1-9].

9 Operation



CAUTION

Damage to the saw

Operating the power tool when the oil reservoir is not full enough or the lubrication system is not working properly will destroy the oil feed pump and the entire sawing tool.

Before starting work, always check the oil level on the oil level indicator [1-9] and check that the chain lubrication is working properly.

9.1 Switching on/off

Before switching on

- ► Before switching on the power tool, tighten all fixing and clamping nuts.
- Hold the SSU 200 EB with both hands and place it on the workpiece to be cut so that the chain is free and does not engage after switching on the power tool.

Switching on

Press down on the safety lock [1-1] on the side of the handle and then actuate the motor switch [1-3].

Switching off

► Release the switch button [1-3].

The safety lock [1-1] returns to its initial position, which consequently prevents the power tool from being switched on unintentionally. When switching off, the brake is activated at the same time, which significantly shortens the chain run-on time.

i Do not remove the SSU 200 EB from the workpiece until the chain has come to a complete stop.

9.2 Controlling lubrication of the chain and guide strip

The quantity of lubricating oil can be regulated using the feed wheel **[5-2]**. By pressing down on the feed wheel **[5-2]**, it is possible to set the 0, 1, 2 and MAX positions opposite the mark **[5-1]**.

i The 0 position is the minimum lubrication for clean cuts, but must not be used in the long term. After making this type of cut, the chain and guide strip always require more lubrication.

The quantity setting at level 2 and MAX is suitable **for long-term operation**.

9.3 Gauge marker

Sawing without a guide rail

To determine the **inner cutting edge** of the chain, all chain markers on the guide block must be used:

For right-angled cuts:

0° marker [4-1]

For bevel cuts:

- 45° marker [4-4]
- 60° marker [4-5]

To determine the **outer cutting edge**, use the gauge marker **[4-6]**.

Sawing with a guide rail

To determine the **inner cutting edge** of the chain, only the

0° marker [4-1]
 should be used.

9.4 Parallel side fence

The parallel side fence enables parallel cuts along a parallel edge.

► Insert the parallel side fence [1-4] into the holders in the guide block [1-7] and lock with clamping screws [1-6].

9.5 Dust extraction





WARNING

Hazardous dust

Damage to the respiratory passage

- ► Always work with an extractor.
- Comply with national regulations.
- ➤ Wear a dust mask.

10 Accessories

On the bottom of the guide block, the SSU 200 EB has a longitudinal groove for mounting on the guide rail. This enables larger cuts to be made easily and precisely.

10.1 Guide system (FS/2)

We recommend using the guide system for simple and safe handling when sawing large workpieces and to achieve more precise angled cuts. This enables clean cuts thanks to the precise guidance along the marked edge. The lat-

eral clearance of the saw carriage on the guide rail can be adjusted using the spacer screws in the additional hand grips [6-1].

Mounting the guide rail

The guide rail **[7-1]** is mounted using fastening clamps FSZ 300 **[7-2]** or quick-action clamps FS-RAPID/L **[7-5]** that are inserted into the guide groove provided (Fig. **[7A]**). This enables a secure hold, even on uneven surfaces. Non-slip strips are attached to the bottom of the guide rail so that the guide rail can be placed down safely and to prevent scratches on the surface of the material.



CAUTION

During mitre-cutting, the tool may collide with fastening clamps or quick-action clamps.

 Only tilt the saw at such an angle to prevent the chain colliding with the clamp.

10.2 Angle stop (FS-AG-2)

The combination of the guide rail [7-1] and the continuously adjustable angle stop [7-3] allows accurate angled cuts, e.g. for fitting work.

- Attach the angle stop [7-3] as shown in Fig. [7B].
- ► The required cutting angle can be set on the scale [4-3].

10.3 Installation of the connecting piece (FSV)

Depending on the application and size of the workpiece, you can connect multiple guide rails using the connecting piece [7-4] (Fig. [7C]). To ensure that the guide rail is securely connected, you can lock the connecting springs in the corresponding threaded holes using screws.

10.4 Quick-action clamp (FS-RAPID/L)

Using this accessory **[7-5]**, you can quickly secure the guide bar, which is inserted into the lower groove. It is secured by pressing the trigger. Pressing the locking button releases the fastening.



CAUTION

During mitre-cutting, the tool may collide with the handle of the quick-action clamp.

➤ After tightening, the handle of the quickaction clamp must be turned to the left towards the material to avoid collisions even at the maximum mitre angle of 60°.

10.5 Recommended saw chains

Saw chain Application



SC 3/8"-91 U-39E

- saw chain Uni
- chain pitch 3/8"
- for rip and cross cuts
- for use with guide strip GB 10"-SSU 200



SC 3/8"-91 L-39E

- saw chain, longitudinal cuts
- chain pitch 3/8"
- for rip cuts
- for use with guide strip GB 10"-SSU 200



SC 3/8"-91 F-39E

- saw chain fine
- chain pitch 3/8"
- for fine and cross cuts
- for use with guide strip GB 10"-SSU 200



SC 3/8"-91 I-39E

- saw chain ISO
- chain pitch 3/8"
- for flexible to pressure-resistant insulating materials
- for use with guide strip GB 10"-SSU 200

11 Maintenance and care



WARNING

Risk of injury, electric shock

- Always pull the mains plug from the socket before performing any servicing and maintenance work.
- All maintenance and repair work which requires the motor housing to be opened should always be carried out by an authorised service workshop.



WARNING

Risk of injury

- Before all maintenance and repair work, let the saw, the chain and the guide strip cool down.
- Wear protective gloves to prevent injuries at the sharp teeth on the chain or the sharp edges on the guide strip.



Customer service and repairs must only be carried out by the manufacturer or service workshops. Find the nearest address at:

www.festool.co.uk/service



Always use original Festool spare parts. Order no. at:

www.festool.co.uk/service

The chain links of the power tool's cutting tools are spaced 3/8" apart and the drive links are 1.3 mm thick. The use of other tools is subject to the express consent of the manufacturer. The chain link spacing must be identical to the chain sprocket pitch and the spacing of the guide roller of the chain guide strip. The complete cutting tool set consists of:

- Chain sprocket [8-3]
- Chain guide strip [2-4]
- Chain [2-3]

The service life of the cutting tool set primarily depends on the lubrication and tension of the chain. For this reason, the chain tension must be checked and readjusted before starting work and while working.

11.1 Chain tension

- ➤ With the chain sprocket cover [2-1] slightly released, turn the tensioning wheel [2-9] in the direction of the arrow until the bottom of the chain is against the guide strip (Fig. [10]).
- ► Then securely tighten the chain sprocket cover [2-1] by turning the tensioning wheel [2-2] clockwise.
- Check the correct chain tension by gently pulling on the bottom of the chain (Fig. [10]) so that a gap of approx. 5 mm is created.

Once released, the chain must return to the initial position and be positioned right against the quide strip.

NOTICE Chains that have been tensioned when warm in the operating state must always be released after work is complete. When the tensioned chain cools down, extreme shrinkage stress occurs, which could damage the power tool.

11.2 Sharpening the chain

If the chips are too fine (Fig. **[11]**), the chain must be sharpened by an authorised service workshop.

11.3 Chain lubrication

- ► Top up the oil if the oil level at the oil level indicator [1-9] drops to the lower edge.
- Clean the area around the oil reservoir cap carefully before opening the oil reservoir. Any chips or dust that get into the oil reservoir will block the oil channels and therefore cause the chain lubrication to malfunction.
- Only use the oil to lubricate chainsaw chains.
 - Used oil and oils not expressly designated as chain oils must not be used. Biodegradable chain lubricating oils have a reduced lubricating effect due to their composition and can cause resinification in the inner lubrication channels after prolonged interruptions.
- If oil gets into the motor, contact the manufacturer or a service workshop (see section 11).
- The oil reservoir capacity is 240 ml. To prevent a high degree of wear, the chain and its guide strip must be continuously lubricated during operation. Lubrication is performed by the oil feed pump, which supplies the preselected oil quantity into the lubrication groove on the guide strip.

11.4 Chain guide strip maintenance

- Uneven wear of the guide strip can be prevented by always turning the guide strip over after the chain is sharpened.
- Curved outer sliding surfaces (Fig. [9B]) are considered normal wear and tear resulting from operation. Remove protruding edges on the guide rail with a flat file.
- Wear to the inner guide surfaces (Fig. [9A]) occurs in the event of insufficient lubrication, incorrect chain lubrication or improper operation. The guide strip must be replaced.

<u>(1)</u>

WARNING

Optimal chain guidance not ensured Risk of injury from chain jumping off or breaking

- The chain links must not touch the groove base of the guide strip under any circumstances. If the chain touches the groove base, the guide strip becomes worn and must be replaced.
- ► The lubrication openings and the guide strip groove must always be kept clean.

11.5 Chain sprocket maintenance



WARNING

Incorrect chain tension or late replacement of chain sprocket

Risk of injury from chain jumping off or breaking

 Replace the chain sprocket the second time you replace the chain or before.

11.6 Replacing the chain and the chain guide

- Align the power tool in the basic position at 0° and remove the chain sprocket cover [2-1] by turning the tensioning wheel [2-2] clockwise (Fig. [2]).
- ► Pull the chain [2-3] over the chain sprocket [2-8] and remove it together with the quide strip [2-4].
- ► Place the new chain [2-3] on the (new) guide strip [2-4] and insert it into the saw.
 - (i) Ensure that the chain teeth are in the correct position relative to the direction of rotation.

The direction of rotation is marked on the saw by an arrow. There is also a marking under the chain sprocket cover [2-1] showing how the chain should be inserted.

- Insert the guide links of the chain precisely into the chain sprocket teeth [2-8], turn using the tensioning wheel [2-9] so that the opening for clamping bolt [2-5] engages on the clamping bolt [2-6].
 - Clockwise to loosen: As viewed from above, the screw moves upwards.
 - Anticlockwise to tighten: As viewed from above, the screw moves downwards.
- Then place the chain sprocket cover [2-1] on the retaining screw [2-7] and tighten it by turning the tensioning wheel [2-2] clockwise.
 - (i) The chain must be tensioned correctly before being tightened.

11.7 Replacing the chain sprocket

- Remove the chain with the guide strip (see section 11.6).
- ► Use a screwdriver to remove the safety bracket clamp [8-1] from the spindle [8-4] and to remove the washer [8-2] and the chain sprocket [8-3].

After the replacement, reinsert the chain sprocket, washer and locking mechanism.

11.8 Lubrication and cleaning

We recommend that you clean the power tool regularly. Keep the power tool free from dust, chips, resin and other impurities.

Using solvent-based cleaning agents may damage the painted surfaces or plastic parts. If these cleaning agents are used, we recommend that you test their effect on a small, concealed area.

During each sharpening process or when replacing the cutting tool set, dust and chips must be removed from the inside of the cover, and the guide slot, the lubrication openings and the blade's clamping surfaces must be cleaned. The air holes on the motor cover must not be blocked.

11.9 Replacing the carbon brushes

- Commission an authorised workshop to change brushes, the power cable, etc. If the power tool suffers an impact, it is also necessary to use an authorised workshop in order to prevent any mechanical or electrical hazards.
- The carbon brushes are checked after approx. 200 operating hours. The carbon brushes are accessible after removing the cover. If the carbon brushes are shorter than 5 mm, they must be replaced.
- The power tool is equipped with self-detaching carbon brushes that come off automatically once the minimum length is reached. Only original carbon brushes should be used.

12 **Environment**



Do not dispose of the device in the household waste! Recycle devices, accessories and packaging. Observe applicable national regulations.

In accordance with the European Directive on waste electrical and electronic equipment and implementation in national law, used power tools must be collected separately and handed in for environmentally friendly recycling.

Information on collection points for proper disposal can be found at www.festool.co.uk/ recycling.

Information on REACH: www.festool.co.uk/ reach

13 General information

Imported into the UK by

Festool UK Ltd

1 Anglo Saxon Way Bury St Edmunds IP30 9XH Great Britain

14 Troubleshooting

Problem	Possible causes	Remedy	
Power tool not running.	No power supply.	Check the fuses and power cable.	
	Worn carbon brushes.	Replace the carbon brushes.	
	Switch jammed.	Press down on the safety lock.	
	After overload.	Check fuses.	
Cut unclean, chain moving away	Chain rate of advance too fast.	Reduce the rate of advance.	
to the side.	Tool blunt.	Sharpen the chain or replace it with a new one.	
	Chain sharpened incorrectly.	Replace the chain.	
Too much force necessary to make progress when cutting.	Carriage contact surface contaminated.	Clean the carriage.	
	Tool blunt.	Sharpen the chain or replace it with a new one.	
	Rate of advance when cutting too fast.	Set a slower rate of advance.	
No chain lubrication.	Blocked lubrication channels on the guide strip.	Clean the guide strip.	
	Defective oil feed pump.	Replace the pump (in an authorised service workshop).	
	Oil reservoir empty.	Top up saw chain oil.	
	Inner oil channels of the power tool blocked or biological oil resinified.	Clean the power tool (in an authorised service workshop).	