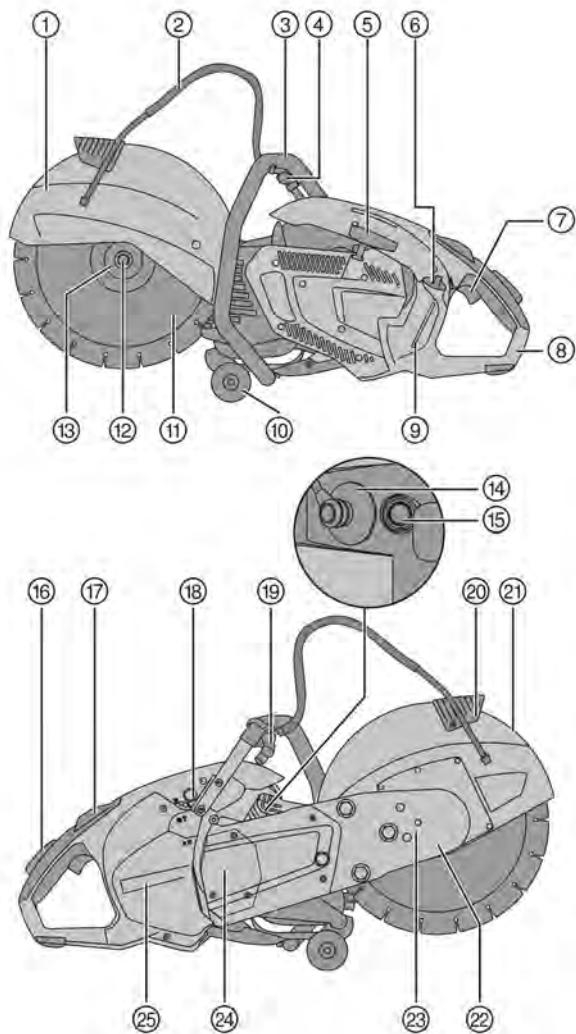
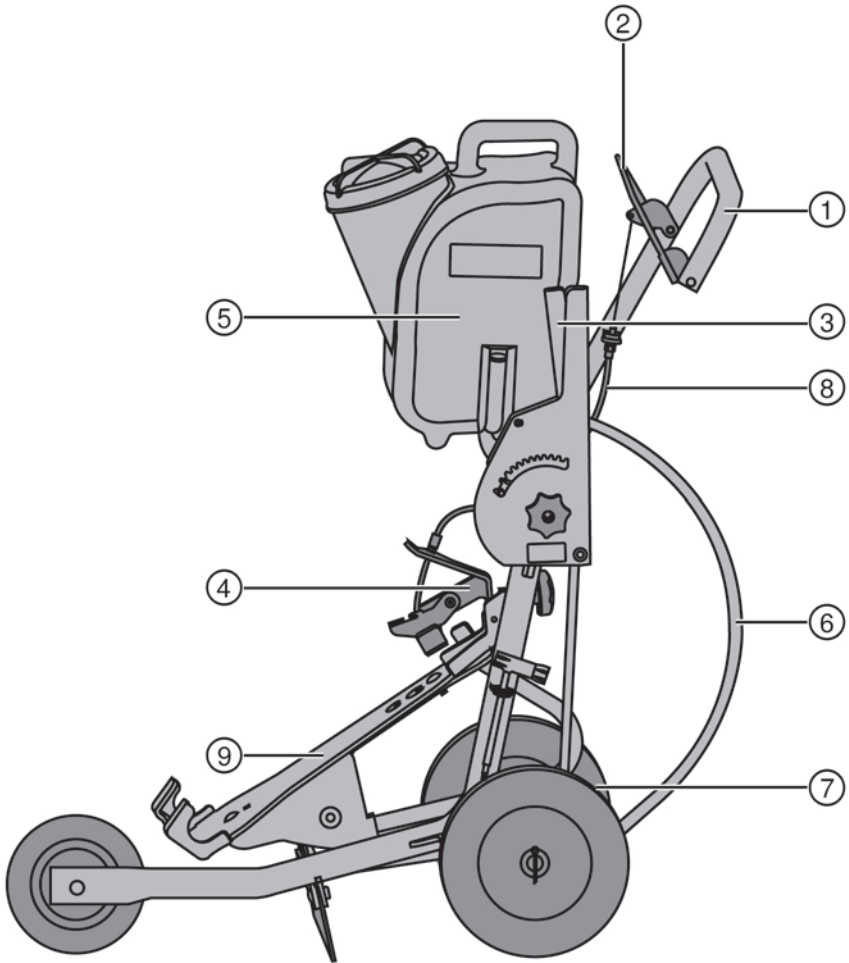




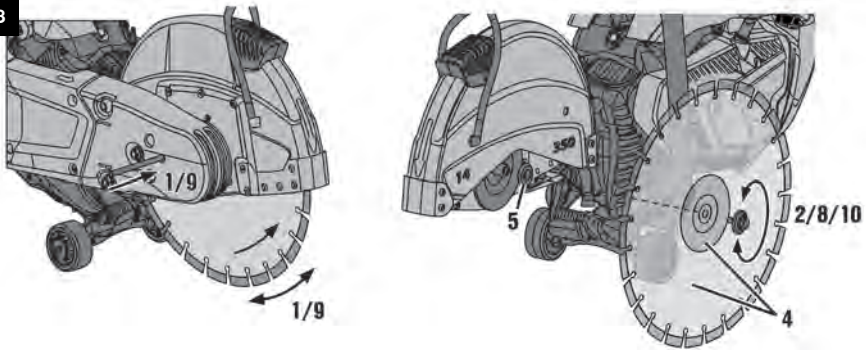
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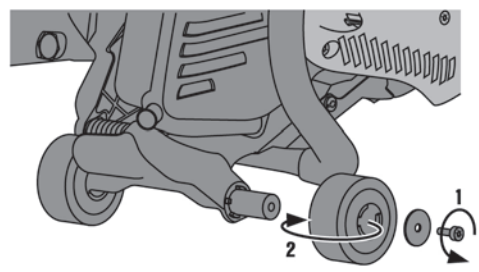




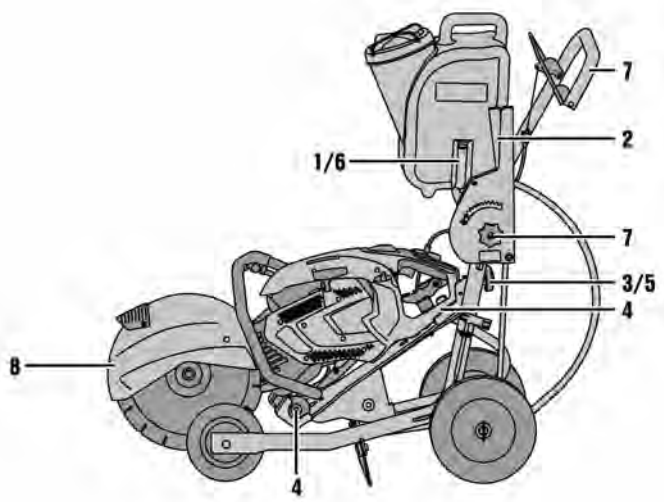
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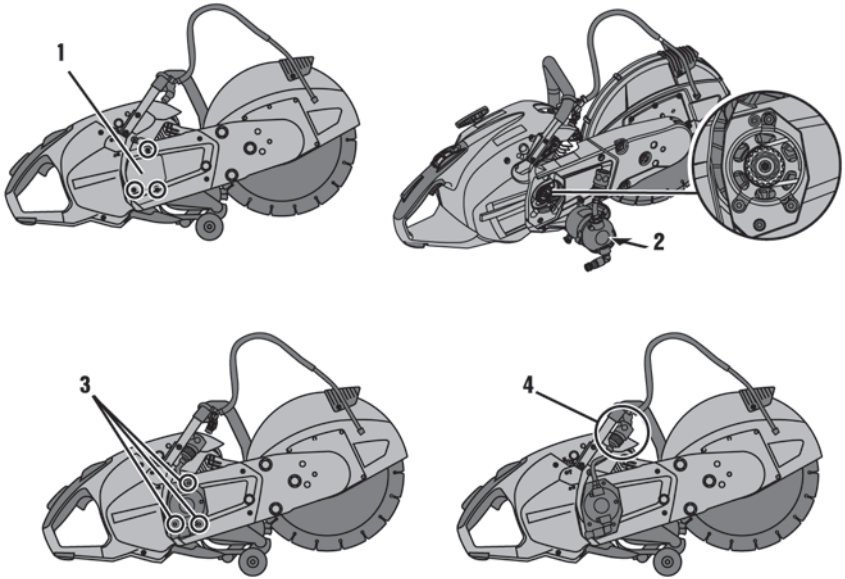
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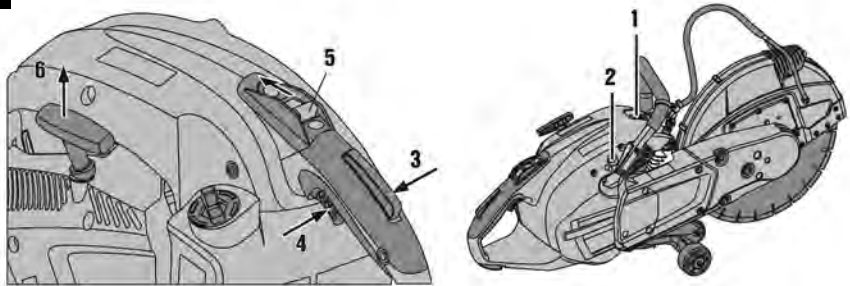
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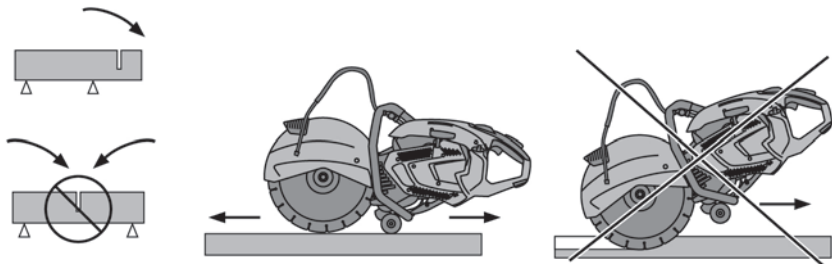
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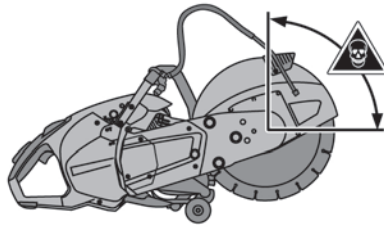
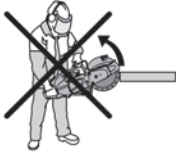
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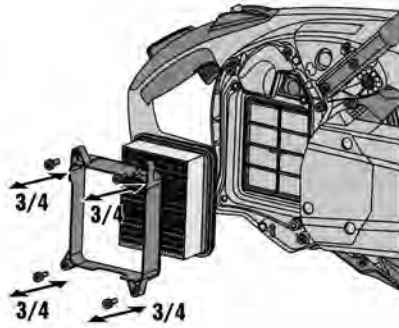
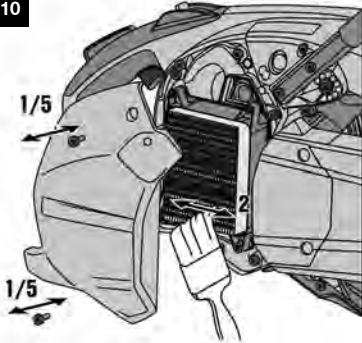
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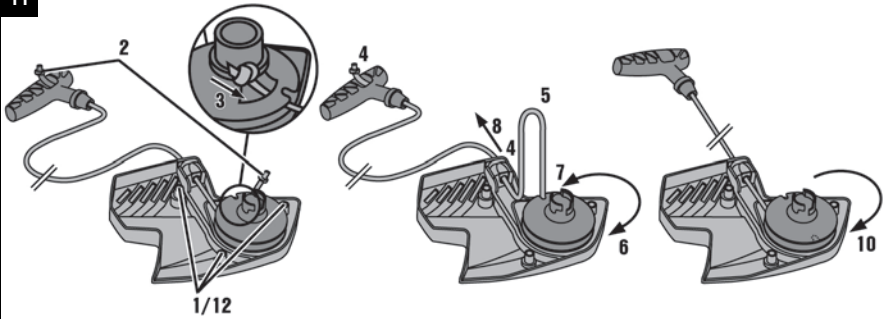
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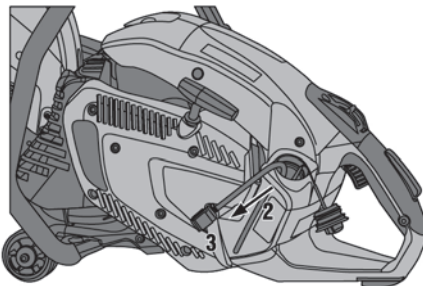
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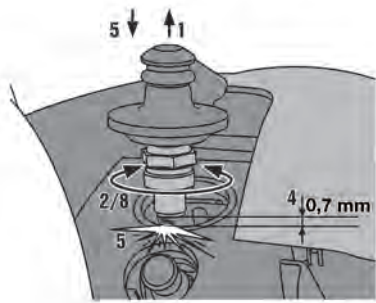
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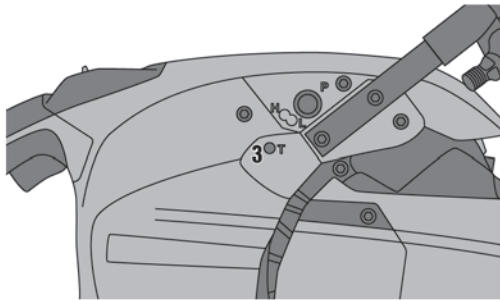
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10 Entsorgung

Hilti Produkte sind zu einem hohen Anteil aus wiederverwertbaren Materialien hergestellt. Voraussetzung für eine Wiederverwertung ist eine sachgemäße Stofftrennung. In vielen Ländern nimmt **Hilti** Ihr Altgerät zur Verwertung zurück. Fragen Sie den **Hilti** Kundenservice oder Ihren Verkaufsberater.

Bohrschlamm

Unter Umwelts Gesichtspunkten ist das Einleiten von Bohrschlamm in Gewässer oder in die Kanalisation ohne geeignete Vorbehandlung problematisch.

- ▶ Erkundigen Sie sich bei den lokalen Behörden über die bestehenden Vorschriften.

Wir empfehlen folgende Vorbehandlung:

- ▶ Sammeln Sie den Bohrschlamm (zum Beispiel mittels Nasssauger).
- ▶ Lassen Sie den Bohrschlamm absetzen und entsorgen Sie den festen Anteil auf einer Bauschuttdeponie (Flockungsmittel können den Abscheidungsprozess beschleunigen).
- ▶ Bevor Sie das verbleibende Wasser (basisch, pH-Wert > 7) in die Kanalisation einleiten, neutralisieren Sie dieses durch Beimengen von saurem Neutralisationsmittel oder durch Verdünnen mit viel Wasser.

11 RoHS (Richtlinie zur Beschränkung der Verwendung gefährlicher Stoffe)



Unter folgenden Links finden Sie die Tabelle gefährlicher Stoffe: (DSH 700-X), qr.hilti.com/r11460300 und (DSH 900-X) qr.hilti.com/r1160423.

Einen Link zur RoHS-Tabelle finden Sie am Ende dieser Dokumentation als QR-Code.

12 Herstellergewährleistung

- ▶ Bitte wenden Sie sich bei Fragen zu den Gewährleistungsbedingungen an Ihren lokalen **Hilti** Partner.

Original operating instructions

1 Information about the documentation

1.1 About this documentation

- Read this documentation before initial operation or use. This is a prerequisite for safe, trouble-free handling and use of the product.
- Observe the safety instructions and warnings in this documentation and on the product.
- Always keep the operating instructions with the product and make sure that the operating instructions are with the product when it is given to other persons.

1.2 Explanation of symbols used

1.2.1 Warnings

Warnings alert persons to hazards that occur when handling or using the product. The following signal words are used:



DANGER !

- ▶ Draws attention to imminent danger that will lead to serious personal injury or fatality.



WARNING !

- ▶ Draws attention to a potential threat of danger that can lead to serious injury or fatality.



CAUTION

CAUTION !

- ▶ Draws attention to a potentially dangerous situation that could lead to personal injury or damage to the equipment or other property.

1.2.2 Symbols in the documentation

The following symbols are used in this document:

	Read the operating instructions before use.
	Instructions for use and other useful information
	Dealing with recyclable materials
	Do not dispose of electric equipment and batteries as household waste

1.2.3 Symbols in the illustrations

The following symbols are used in illustrations:

	These numbers refer to the corresponding illustrations found at the beginning of these operating instructions
	The numbering reflects the sequence of operations shown in the illustrations and may deviate from the steps described in the text
	Item reference numbers are used in the overview illustrations and refer to the numbers used in the product overview section
	This symbol is intended to draw special attention to certain points when handling the product.

1.3 Product-dependent symbols

1.3.1 Symbols on the product

The following symbols are used on the product:

	WARNING! Read and follow all safety precautions in the operator's manual. Failure to follow these instructions could result in serious or fatal injury.
	Direction-of-rotation arrow on the guard
	Engine stop position
	Engine run position
	Primer bulb
	Full-throttle jet adjusting screw
	Idling jet adjusting screw
	Idling adjusting screw
	Fuel-tank cap opening direction
	Wireless data transfer
	Fuel mixture
	Speed



RPM	Revolutions per minute
∅	Diameter

1.3.2 Hazard symbols

The following hazard symbols are used on the product:

	General hazard
	Hazard due to flying sparks
	Warning: Do not inhale toxic vapors or exhaust fumes
	Hazard due to kickback
	Hazard due to hot surface
	Maximum spindle speed

1.3.3 Obligation symbols

The following obligation symbols are used on the product:

	Wear ear protection, eye protection, respiratory protection and a hard hat
	Wear protective gloves
	Wear safety shoes

1.3.4 Prohibition symbols

The following prohibition symbols are used on the product:

	Do not use toothed cut-off wheels
	Do not use damaged cut-off wheels
	No smoking, no naked flame

1.4 Product information

HILTI products are designed for professional users and only trained, authorized personnel are permitted to operate, service and maintain the products. This personnel must be specifically informed about the possible hazards. The product and its ancillary equipment can present hazards if used incorrectly by untrained personnel or if used not in accordance with the intended use.

The type designation and serial number are printed on the rating plate.

- Write down the serial number in the table below. You will be required to state the product details when contacting Hilti Service or your local Hilti organization to inquire about the product.

Product information

Cut-off saw	DSH 700-X DSH 900-X
Generation	03
Serial no.	

1.5 Declaration of conformity

We declare, on our sole responsibility, that the product described here complies with the applicable directives and standards. A copy of the declaration of conformity can be found at the end of this documentation.



2 Safety

2.1 General safety instructions

⚠ WARNING Study all safety instructions and other instructions, images and technical data with which this product is provided. Failure to comply with the instructions below can result in serious injuries or death. **Keep all safety precautions and instructions for future reference.**

2.2 Personal safety

- ▶ Use the right tool for the job. Do not use the tool for purposes for which it was not intended. Use it only as directed and when in technically faultless condition.
- ▶ Never tamper with or modify the power tool in any way.
- ▶ Only persons who are familiar with it, who have been trained on how to use it safely and who understand the resulting hazards are permitted to use the product. The product is not intended for use by children.
- ▶ Stay alert, watch what you are doing and use common sense when operating the product. Do not use the product while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating the product can result in serious personal injury.
- ▶ **Maintain a firm grip on the cut-off saw with both hands and position your body and arms to absorb kickback forces. Always use the auxiliary handle, if provided, for maximum control over kickback forces or torque reaction during start-up.** By adopting suitable precautionary measures the operator can control the kickback and reaction forces.
- ▶ The use of cutting tools other than those described in this documentation is not permitted.
- ▶ For wet cutting, do not use synthetically bonded abrasive wheels unless the wheels have been specified for such use by the wheel manufacturer.
- ▶ The use of reducing sleeves and/or knot wheel brushes is not permitted.
- ▶ The user and persons in the vicinity must wear suitable protective goggles, a hard hat, ear defenders, protective gloves, protective footwear and light respiratory protection while the tool is in use.
- ▶ Wear eye protection. Flying fragments present a risk of injury to the body and eyes.
- ▶ Dust from materials such as paint containing lead, some types of wood, minerals and metal can be harmful to health. Contact with or inhalation of the dust can cause allergic reactions and/or respiratory or other diseases to the operator or bystanders. To reduce the amount of dust produced when cutting, we recommend use of the wet cutting method. Make sure that the workplace is well ventilated. It is advisable to wear a filter class P2 dust mask. Comply with national regulations applicable to the materials you will be working with.
- ▶ Always hold the tool firmly with both hands on the grips provided. Keep the grips clean, dry and free from oil and grease.
- ▶ If there is an unwanted increase in speed, set the run/stop switch to the "stop" position. Contact **Hilti Service**.
- ▶ Switch the gasoline-powered saw off immediately at the run/stop switch if the saw trolley throttle cable sticks or if the throttle trigger sticks.
- ▶ Never use the tool without the guard (hood). Adjust the guard to the correct position. The guard must be securely attached and positioned for maximum safety, so that the smallest possible part of the cut-off wheel is exposed to the operator. Make sure that sparks created during use do not present a hazard. The guard helps to protect the operator from broken wheel fragments, inadvertent contact with the cut-off wheel and uncontrolled flying sparks.
- ▶ Do not touch rotating parts – risk of injury!
- ▶ Maintain a firm footing and balance at all times. This will allow you to control the product better, even in unexpected situations. Avoid unusual postures. When using the product, hold it in such a way that dust, flying sparks and possible flying fragments of the accessory tool or workpiece cannot hit you. Do not lean over the cut-off wheel.
- ▶ Wear suitable work clothes. Do not wear jewelry or loose clothing. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be snagged by moving parts.
- ▶ If the product or the cut-off wheel has been dropped or has fallen, check the product and the cut-off wheel for damage. Change the cut-off wheel if necessary.
- ▶ Switch the product off before adjusting the guard or changing the cut-off wheel.



- ▶ Wear protective gloves also when changing the cut-off wheel. Touching the cut-off wheel presents a risk of injury (cuts or burns).
- ▶ Avoid skin contact with the slurry created when using the wet cutting method.
- ▶ Cutting material containing asbestos is not permissible.
- ▶ Cutting or working on flammable materials such as magnesium or wood/wooden beams is not permissible.
- ▶ Take breaks between working and do relaxation and finger exercises to improve the blood circulation in your fingers. Exposure to vibration during long periods of work can lead to disorders of the blood vessels and nervous system in the fingers, hands and wrists.
- ▶ Consult the responsible structural engineer, architect or person in charge of the building project before starting work. Slits cut into load-bearing walls or other structures can influence the statics of the structure, especially when reinforcing bars or load-bearing components are cut.
- ▶ If work involves break-through, always secure the area on the side opposite where the work is carried out. Pieces of debris could drop out and/or fall down and injure other persons.
- ▶ Never leave the product running while unattended.
- ▶ Switch the engine off and wait until the cut-off wheel has come to a complete standstill before placing the product on the ground, moving it to the next working position, or transporting it.
- ▶ Make sure that the pump cover is installed if you operate the product without an external water pump.
- ▶ Switch the product off after use.
- ▶ Maintain the product carefully. Check whether parts are broken or damaged to the extent that the product is not in full working order. Have damaged parts repaired before using the product.
- ▶ To reduce the risk of injury, use only genuine **Hilti** tools and accessories.
- ▶ Have the product repaired only by qualified specialists using only genuine Hilti spare parts. The safety of the product can thus be maintained.
- ▶ Comply with national health and safety requirements.

2.3 Electrical safety

- ▶ Before beginning work, check the working area for concealed electric cables or gas and water pipes. External metal parts of the machine may give you an electric shock if you damage an electric cable accidentally.
- ▶ Organize in advance the work to be performed, after examining the location. Check whether warning signs have to be set up and a safe working distance from other persons defined.

2.4 Safety at the workplace

- ▶ Ensure that the workplace is well lit.
- ▶ Don't work in closed rooms. Carbon monoxide, unburned hydrocarbons and benzene in the exhaust gas may cause asphyxiation.
- ▶ Keep the workplace tidy. Objects which could cause injury should be removed from the working area. Untidiness at the workplace can lead to accidents.
- ▶ Hot exhaust gases containing sparks or sparks generated by the cutting operation may cause fire or explosion. Make sure that the sparks generated do not ignite flammable (gasoline, dry grass, etc.) or explosive (gas, etc.) substances.
- ▶ Fit the filled water tank only after the saw has been mounted on the saw trolley. This will help to prevent the trolley falling over.
- ▶ Do not stand the product and the saw trolley on an inclined surface. Always check to ensure that the product and the saw trolley are standing securely.
- ▶ After installing the water pump, make sure that the screws are tightened to the recommended tightening torque.
- ▶ Before fitting the water pump, check to ensure that the maximum permitted water supply pressure of 6 bar is not exceeded.

2.5 Liquids (gasoline and oil) and vapors

- ▶ The inhalation of gasoline vapors and skin contact with gasoline may be hazardous to the health.
 - ▶ Avoid direct skin contact with gasoline. Wear protective gloves.
 - ▶ If your clothing becomes soiled with gasoline, it is essential to change your clothing.
 - ▶ Ensure that the workplace is well ventilated in order to avoid breathing in gasoline fumes.
 - ▶ Use a fuel container that complies with the applicable regulations.
- ▶ Don't refuel the product while the engine is running. Wait until the engine has cooled down.



- ▶ Never smoke while refueling; there is a risk of fire and explosion.
- ▶ Do not refuel the product in the area where you are working (move at least 3 meters/10 feet clear of the workplace). When refueling, take care to avoid fuel spillage. Use a suitable funnel.
- ▶ Avoid inhaling gasoline vapors and exhaust fumes. Take care to ensure adequate ventilation.
- ▶ Don't use the gasoline or other flammable liquids for cleaning.

2.6 Cutting work using cut-off wheels

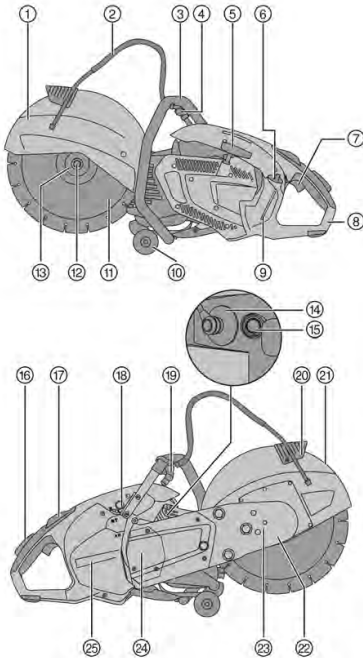
- ▶ Use only cut-off wheels with a rated maximum permissible speed at least as high as the maximum spindle speed.
- ▶ Check that the outside diameter and the thickness of the cut-off wheel comply with the capacity rating of the product.
- ▶ Never use cut-off wheels that are damaged, run untrue or vibrate.
- ▶ Do not use damaged diamond cut-off wheels (cracks in the steel cut-off wheel, broken or polished segments, damaged arbor hole, bent or distorted steel cut-off wheel, heavy discoloration due to overheating, steel cut-off wheel worn away beneath the segments, diamond segments with no lateral overhang, etc.).
- ▶ Do not use toothed accessory cutting tools (e.g. toothed saw blades).
- ▶ When fitting the cut-off wheel, always take care to ensure that the wheel's specified direction of rotation corresponds to the direction of rotation of the spindle. Always install only one cut-off wheel.
- ▶ The cut-off wheel and flange or any other accessory must fit the arbor of the product exactly. Cut-off wheels with arbor holes that do not match the mounting hardware of the product will run out of balance, vibrate excessively and can lead to loss of control and to breakage of the cut-off wheel.
- ▶ Always use an undamaged clamping flange of the correct diameter which fits the cut-off wheel used. The correctly fitting clamping flange supports the cut-off wheel and thus reduces the possibility of wheel breakage.
- ▶ Guide the product smoothly and do not apply lateral pressure to the cut-off wheel. Always bring the cut-off wheel into contact with the workplace at right angles. Don't attempt to alter the line of cut by applying lateral pressure or by bending the cut-off wheel while cutting is in progress.
- ▶ Abrasive cut-off wheels which are used for wet cutting must be used up the same day as long periods of exposure to moisture have a negative effect on the strength of the wheel.
- ▶ Never install a cut-off wheel for cutting wood.
- ▶ Use only cut-off wheels that comply with the existing standards for cut-off wheels.
- ▶ Prior to installation and before use, check the cut-off wheel for damage. Do not install a damaged cut-off wheel. Comply with the requirements stated by the manufacturer of the cut-off wheel.
- ▶ Observe the expiry date for resin-bonded cut-off wheels and don't use the wheels after this date.



3 Description

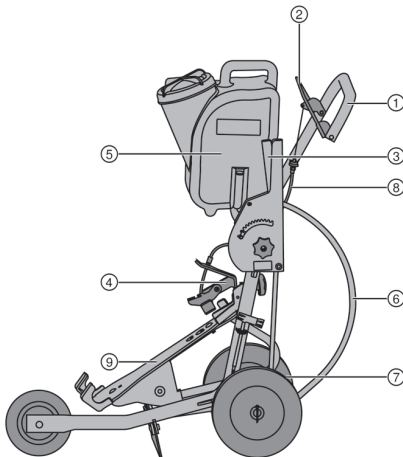
3.1 Product overview

3.1.1 Gasoline-powered cut-off saw 1



- ① Guard
- ② Water supply
- ③ Front grip
- ④ Water valve
- ⑤ Pull start
- ⑥ Fuel tank cap
- ⑦ Throttle trigger
- ⑧ Rear grip
- ⑨ Fuel-level sight glass
- ⑩ Guide rollers
- ⑪ Cut-off wheel
- ⑫ Clamping screw
- ⑬ Clamping flange
- ⑭ Spark plug connector
- ⑮ Decompression valve
- ⑯ Throttle safety grip
- ⑰ Run/stop switch with half-throttle lock
- ⑱ Primer bulb
- ⑲ Water connection
- ⑳ Grip for guard adjustment

3.1.2 Saw trolley (accessory) 2



- ① Grip
- ② Throttle trigger
- ③ Cutting depth adjustment
- ④ Hold-down device
- ⑤ Water tank
- ⑥ Water connection
- ⑦ Axial adjustment
- ⑧ Throttle cable
- ⑨ Machine cradle



3.2 Intended use

The product described is a gasoline-powered cut-off saw for the wet or dry cutting of asphalt, mineral construction materials or metals using diamond cut-off wheels or abrasive cut-off wheels. It can be held and guided by hand or mounted on a saw trolley.

3.3 Recommendations for use

- Use of the wet cutting method is preferable in order to reduce the amount of dust produced when cutting. By using the self-priming water pump (accessory) you can work without need for a water supply hose. The water can be drawn, for example, directly from a container.
- Do not cut right through the workpiece in one pass. Move the saw back and forward several times until it gradually reaches the desired cutting depth.
- To avoid damaging the diamond cut-off wheel when dry cutting, lift the wheel out of the cut for approx. 10 seconds every 30 to 60 seconds while the saw is still running.
- Resharpener a dulled diamond cut-off wheel (i.e. when no diamonds project from the segment matrix) by cutting with the wheel in a very abrasive material such as sandstone.
- For extensive floor sawing applications, mount the saw on the trolley (accessory).

3.4 Specifications of the cut-off wheels

Diamond cut-off wheels in accordance with EN 13236 are to be used with the product. Synthetic resin-bonded, fiber-reinforced cut-off wheels in accordance with EN 12413 (straight, not dish-shaped, type 41) may also be used with the product for working on metals.

The mounting instructions and instructions for use issued by the cut-off wheel manufacturer must be observed.

3.5 Items supplied

Gasoline-powered saw, operating instructions.

Other system products approved for use with this product can be found at your local **Hilti Store** or at: www.hilti.group

3.6 Consumables and wearing parts

- Air filter
- Cord
- Starter
- Fuel filter
- Spark plug
- Tool set
- Cylinder set
- Mounting screw assy.
- Flange (2)
- Centering bushing 20 mm/1"

4 Technical data

		DSH 700-X	DSH 900-X
Weight without cut-off wheel, fuel tank empty	35/14"	11.9 kg	12.0 kg
	40/16"	•/•	12.4 kg
Weight with saw trolley, without cut-off wheel, fuel tank empty	35/14"	42.9 kg	43.0 kg
	40/16"	•/•	43.4 kg
Maximum spindle speed	35/14"	5,100 /min	5,100 /min
	40/16"	•/•	4,700 /min
Max. rotational speed of the cut-off wheel	35/14"	5,100 /min	5,100 /min
	40/16"	•/•	4,700 /min
Maximum cutting depth	35/14"	125 mm	125 mm
	40/16"	•/•	150 mm



		DSH 700-X	DSH 900-X
Engine type		Single-cylinder, air-cooled two-stroke engine	Single-cylinder, air-cooled two-stroke engine
Engine displacement		68.7 cm ³	87 cm ³
Rated power (ISO 7293)		3.5 kW	4.3 kW
Engine rated speed (ISO 7293)		7500 ± 200 /min	7500 ± 200 /min
Idling speed		2750 ± 250 /min	2750 ± 250 /min
Ignition (type)		Electronically-controlled ignition timing	Electronically-controlled ignition timing
Electrode gap		0.7 mm	0.7 mm
Spark plug		Manufacturer: NGK, type: CMR7A	Manufacturer: NGK, type: CMR7A
Tightening torque for fitting the spark plug		12 Nm	12 Nm
Carburetor		Manufacturer: Walbro; model: WT; type: 1152	Manufacturer: Walbro; model: WT; type: 1152
Fuel mixture		API-TC oil 2% (1:50)	API-TC oil 2% (1:50)
Tank capacity		0.9 ℓ	0.9 ℓ
Arbor hole, cut-off wheel / diameter of centering collar of centering bushing (reversible)		20 mm or 25.4 mm	20 mm or 25.4 mm
Minimum flange outside diameter		102 mm	102 mm
Max. cut-off wheel thickness (steel cut-off wheel thickness)		5.5 mm	5.5 mm
Maximum wheel outside diameter	35/14"	350 mm	350 mm
	40/16"	•/•	400 mm
Tightening torque for fitting the cut-off wheel		25 Nm	25 Nm

4.1 Noise information and vibration values

The sound pressure and vibration values given in these instructions have been measured in accordance with a standardized test and may be used to compare one gasoline-powered saw with another. They may be used for a preliminary assessment of exposure.

The data given represents the main applications of the machine. However, if the machine is used for different applications, with different accessory tools or is poorly maintained, the data may vary. This may significantly increase exposure over the total working period.

An accurate estimation of exposure should also take into account the times when the machine is switched off, or when it is running but not actually being used for a job. This may significantly reduce exposure over the total working period.

Identify additional safety measures to protect the operator from the effects of noise and/or vibration, for example: Maintaining the machine and accessory tools, keeping the hands warm and organizing work patterns.

Noise emission values

		DSH 700-X	DSH 900-X
Sound pressure level, ISO 19432-1 (ISO 11201) ($L_{pa,eq}$)	35/14"	99 dB(A)	102 dB(A)
	40/16"	•/•	102 dB(A)
Uncertainty		1.3 dB(A)	1.3 dB(A)
Measured sound power level 2000/14/EC (ISO 3744)	35/14"	109 dB(A)	112 dB(A)
	40/16"	•/•	112 dB(A)
Uncertainty		2.0 dB(A)	2.5 dB(A)
Guaranteed sound power level 2000/14/EC (ISO 3744) (L_{wa})	35/14"	111 dB(A)	115 dB(A)
	40/16"	•/•	115 dB(A)



Total vibration

The sound pressure level and the vibration values were determined allowing for 1/7 no-load operation and 6/7 full-load operation.

		DSH 700-X	DSH 900-X
ISO 19432-1 vibration emission value at grip, front ($a_{hv,eq}$)	35/14"	4.6 m/s ²	5.6 m/s ²
	40/16"	•/•	5.2 m/s ²
Uncertainty	35/14"	2.0 m/s ²	2.0 m/s ²
	40/16"	•/•	2.0 m/s ²
ISO 19432-1 vibration emission value at grip, rear ($a_{hv,eq}$)	35/14"	4.9 m/s ²	6.3 m/s ²
	40/16"	•/•	4.5 m/s ²
Uncertainty	35/14"	0.9 m/s ²	0.9 m/s ²
	40/16"	•/•	0.9 m/s ²

5 Preparations at the workplace

5.1 Fuel

The two-stroke engine runs on a mixture of gasoline and oil. The quality of the fuel mixture decisively influences operation and life expectancy of the engine.

WARNING

Risk of injury. The inhalation of gasoline vapors and skin contact with gasoline may be hazardous to the health.

- ▶ Avoid direct skin contact with gasoline. Wear protective gloves.
- ▶ If your clothing becomes soiled with gasoline, it is essential to change your clothing.
- ▶ Ensure that the workplace is well ventilated in order to avoid breathing in gasoline fumes.
- ▶ Use a fuel container that complies with the applicable regulations.

5.1.1 Gasoline

- ▶ Use regular or super gasoline with an octane rating of at least 89 ROZ.



The alcohol content (e.g. ethanol, methanol or others) of the fuel used must not exceed 10%, otherwise the life expectancy of the engine will be greatly reduced.

5.1.2 Two-stroke oil

- ▶ Use good-quality two-stroke oil for air-cooled engines that meets at least the API TC specification.

5.1.3 Mixing fuel

The engine will suffer damage if run with fuel mixed in the wrong ratio or with unsuitable oil.

Use a mixing ratio of 1:50. This corresponds to 1 part good-quality two-stroke oil that complies with the API-TC specification and 50 parts gasoline (e.g. 100 ml oil and 5 liters of gasoline mixed in a suitable canister).

1. Pour the required quantity of two-stroke oil into the fuel canister.
2. Then fill the gasoline into the fuel canister.
3. Close the fuel canister.
4. Mix the fuel by shaking the fuel container.



If the quality of the two-stroke oil or the gasoline is unknown, then increase the mixing ratio to 1:25.

5.1.4 Filling the fuel tank

1. Mix the fuel (two-stroke oil / gasoline mixture) by shaking the fuel container.
2. Place the product in a steady upright position.
3. Open the fuel tank by turning the cap counterclockwise and then removing the cap.
4. Fill the tank slowly using a funnel.



5. Close the fuel tank by fitting the cap and then turning it clockwise.
6. Close the fuel canister.

5.2 Assembly and adjustment

WARNING

Risk of injury. Contact with the rotating cut-off wheel can lead to injury. Hot parts of the machine or a hot cut-off wheel may cause burning injuries.

- ▶ Before fitting or adjusting any parts of the product, make sure that the engine is switched off, that the cut-off wheel has completely stopped rotating and that the product has cooled down.
- ▶ Wear protective gloves.

5.2.1 Fitting a cut-off wheel

WARNING

Risk of injury and damage. Unsuitable cut-off wheels or unsuitable parts used to secure the wheel can suffer irreparable damage during operation or lead to loss of control of the product or breakage of the accessory tool.

- ▶ Make sure that the cut-off wheel's maximum permissible speed is at least as high as the maximum spindle speed stated on the product. Use only cut-off wheels, flanges and screws that are suitable for your product.
- ▶ Use only cut-off wheels with a mounting hole diameter of 20 mm or 25.4 mm (1") and that are a correct fit on the centering bushing.

WARNING

Risk of injury and damage. Damaged cut-off wheels may break.

- ▶ If the cut-off wheel has been subjected to an impact, check the cut-off wheel for damage and replace it if necessary.
- ▶ Never use cut-off wheels that are damaged, run untrue or vibrate.
- ▶ Don't use synthetic resin-bonded fiber-reinforced cut-off wheels which have exceeded their use-by date or already softened due to water absorption.

WARNING

Risk of injury and damage. Over-tightening securing screws can lead to damage or breakage of the securing screw itself or the washer fitted to the securing screw.

- ▶ Be sure to tighten the securing screw to the specified tightening torque.
- ▶ Take care not to overtighten the securing screw.

WARNING

Risk of injury! Incorrect installation or removal of the cut-off wheel can result in loose parts getting into the eyes and causing injuries.

- ▶ Always wear eye protection (protective goggles) when changing the accessory tool.

1. Insert the locking pin in the hole in the drive belt cover and turn the cut-off wheel until the locking pin engages.
2. Release the securing screw by turning the screw counterclockwise with the wrench and then remove the screw and washer.
3. Remove the locking pin.
4. Remove the clamping flange and the cut-off wheel.
5. Check that the diameter of the arbor hole in the cut-off wheel to be installed matches the centering collar of the cut-off wheel centering bushing.



The centering bushing has a 20 mm diameter centering collar on one side and a 25.4 mm (1") diameter centering collar on the other side.

6. Clean the clamping and centering surfaces on the product and on the cut-off wheel.
7. Place the cut-off wheel with centering collar on the drive arbor and check that the direction of rotation is correct.
 - ▶ The direction-of-rotation arrow on the cut-off wheel must match the direction of rotation indicated on the product.
8. Place the clamping flange and washer on the drive arbor and tighten the securing screw by turning it clockwise.



9. Insert the locking pin in the locking hole in the drive belt cover and turn the cut-off wheel until the locking pin engages.
10. Securely tighten the clamping screw (tightening torque: 25 Nm).
11. Remove the locking pin.

⚠ CAUTION

Risk of injury and damage. Damaged accessory tools can break.

- ▶ Never use an accessory tools that is damaged, runs out of true or vibrates.
- ▶ Keep clear of the danger zone.

12. After fitting a new cut-off wheel, run your product at full speed under no load for approximately 1 minute.

5.2.2 Adjusting the guard

⚠ WARNING

Risk of injury. Contact with the cut-off wheel, flying fragments or sparks can cause injury to persons.

- ▶ Adjust the guard so that flying particles or fragments of the material removed and flying sparks are directed away from the operator and the product.
- ▶ Hold the guard by the grip provided and rotate it to the desired position.



Make sure that the opening of the blade guard is not toward the user.

5.2.3 Conversion from normal cutting to flush cutting



The front section of the saw arm can be converted to allow flush cuts to be made (e.g. as close as possible to edges and walls).

- ▶ If you wish to use the product in the flush cutting position, have the product converted by **Hilti Service**.

5.3 Locking rotary movement of the guide wheels 4

⚠ WARNING

Risk of injury. The saw could move inadvertently or fall down.

- ▶ When working on roofs, scaffolds and/or slopes, always block the guide rollers to prevent unwanted movement.
1. Release the guide wheel mounting screws and remove the guide wheels.
 2. Reverse the guide wheels (turn through 180°) and refit the mounting screws.
 - ▶ The integrated locking function is active.
 3. Check that the guide wheels are securely fastened.

5.4 Mounting the gasoline-powered saw on the saw trolley (accessory) 5

1. Remove the water tank from the saw trolley.
2. Move the cutting depth adjustment lever into the upper position.
3. Open the hold-down device by releasing the screw knob.
4. Fit the saw into the forward mount with the wheels as shown and swing the grip of the saw under the hold-down device.
5. Secure the saw by tightening the screw knob.
6. Fit the water tank after filling it.
7. Adjust the grip to a convenient working height.
8. Adjust the guard to the correct position. → page 32



Especially when using the machine in this configuration for the first time, check to ensure that the throttle cable is correctly adjusted. When the throttle trigger is pressed fully, the product must run up to maximum speed. If this is not the case, the throttle cable can be readjusted by way of the cable tensioner.

When the throttle is not actuated, the engine must be idling and the cut-off wheel must not rotate. If this is not the case, switch off by pushing the run/stop switch to the “stop” position and then adjust the throttle cable or have the idling speed adjusted by **Hilti Service**.



5.5 Fitting the water pump (accessory)

1. Switch the product off.
2. Release the three pump cover retaining screws, remove the parts and store the pump cover in a safe place.



The pump cover must be fitted if the tool is used without the water pump.

3. Hold the water pump in position and turn the cut-off wheel slightly to bring the splines of water pump and clutch bell into alignment so that the splines engage.
 - ▶ The position is keyed so it is not possible to position the pump incorrectly.
4. Install the three retaining screws and tighten them to the specified tightening torque (tightening torque: 8 Nm).
5. Connect the pump hose to the hose connector on the saw.
6. Remove the protective cap from the end of the water connection hose.
7. Make sure that the water pressure in the water supply line is not more than 6 bar.
 - ▶ If the pressure in the water supply line is more than 6 bar, reduce the water pressure.
8. Connect the water pump to the water supply or immerse the end of the suction hose in a container filled with water.



Fit the protective cap to the end of the water connection hose when the water pump is not connected to a water supply.

5.6 Removing the water pump (accessory)

1. Switch the product off.
2. Disconnect the water supply from the water pump.
3. Fit the protective cap to the end of the water connection hose.
4. Disconnect the connector between the pump and the tool.
5. Release the three fastening screws on the pump and then remove the pump.
6. Fit the pump cover on the tool, insert the three retaining screws and tighten the screws securely (tightening torque: 4 Nm).

5.7 Starting the engine



DANGER

Risk of asphyxiation. Carbon monoxide, unburned hydrocarbons and benzene in the exhaust gas may cause asphyxiation.

- ▶ Don't work in closed rooms, trenches or pits and make sure the area is well ventilated.



WARNING

Risk of burning injury. The exhaust system gets extremely hot when the engine is running. It stays hot for a long time after the engine is switched off.

- ▶ Wear protective gloves and avoid touching the exhaust system.
- ▶ Do not lay the product down on flammable material while hot.



WARNING

Risk of injury. A damaged exhaust system raises the noise level above the permissible limit and increases the risk of suffering hearing damage.

- ▶ Never use the product if the exhaust system is damaged, missing or if it has been tampered with.



WARNING

Risk of injury if product is operated without the cover for the water pump correctly installed Touching the water pump connection during operation leads to injuries.

- ▶ Before starting operation, make sure that the cover for the water pump is correctly installed.



⚠ WARNING

Risk of injury due to substances and gases igniting. Burns and fatalities can result.

- ▶ Do not use the product if flammable substances and gases are present.
- ▶ Ensure adequate ventilation.

⚠ CAUTION

Risk of burns or injury through pinching the fingers when the water pump is fitted. Touching the pump housing can cause burning injuries.

- ▶ Hold the forward grip only at the top and on the left side.

1. Press the decompression valve (once).
2. When starting the cold engine (only when cold), squeeze the primer bulb 2 to 3 times (until the primer bulb is completely filled with fuel).
3. Press the throttle safety grip and keep it pressed.
4. Press the throttle trigger and keep it pressed.
5. Move the run/stop switch to the “start” position.
6. Release the throttle safety grip and throttle trigger.
 - ▶ This half-throttle position is activated.
7. Check that the cut-off wheel is free to rotate.
8. Position your right foot over the lower part of the rear grip.
9. Pull the starter handle slowly with your right hand until resistance is felt.
10. Pull the starter handle vigorously.
11. Repeat this action until the engine starts.
12. Press the throttle trigger briefly as soon as the engine starts.
 - ▶ This disengages the half-throttle position and the engine then runs at idling speed when the throttle is released.

5.8 Checks after starting the engine


1. Check that the cut-off wheel remains stationary when the engine is idling and, after briefly running at full speed, that the wheel again comes to a complete standstill.
 - ▶ Readjust (reduce) the idling speed if the cut-off wheel doesn't stop rotating when the engine is idling. If this is not possible, please bring the product to **Hilti Service**.
2. Check that the run/stop switch is functioning correctly. Move the run/stop switch to the “stop” position.
3. If the engine doesn't stop, compress the primer bulb. If the engine still doesn't stop, pull the spark plug connector off the spark plug and bring the product to **Hilti Service**.

5.9 Switching the engine off**⚠ WARNING**

Risk of injury. A rotating cut-off wheel can break or shatter, possibly resulting in flying fragments.

- ▶ Allow the rotating cut-off wheel to come to a complete standstill before you lay the saw down.

1. Release the throttle trigger.
2. Move the run/stop switch to the “stop” position.
 - ▶ The engine stops.

6 Types of work**6.1 Cutting techniques **

There is a risk of kickback if the gasoline-powered saw comes into contact with the working surface in the area indicated.

Kickback is the result of product misuse and/or incorrect operating procedures or conditions. To prevent kickback, follow the safety instructions and the instructions for use below.

- ▶ Do not bring the accessory tool into contact with the working surface in the area marked.
- ▶ Allow the gasoline-powered saw to reach full speed before starting the cut.
- ▶ Apply pressure to the product so that the accessory tool enters the material slowly.



- ▶ Apply moderate pressure, adjusting the rate of advance to suit the material being cut.



A decrease in the rate of cutting progress may be an indication of blunt/dull (“polished”) diamond segments. The diamond segments can be resharpened by making a few cuts in an abrasive material (Hilti sharpening plate or sand-lime block).

- ▶ Guide the gasoline-powered saw smoothly and without applying lateral pressure to the cut-off wheel.
- ▶ Always hold the gasoline-powered saw and the saw trolley firmly with both hands on the grips provided. Keep the grips dry, clean and free from oil and grease.
- ▶ Make sure there is no-one in the working area and, in particular, in the direction in which the cut is to be made. Keep everyone approx. 15 m away from your workplace.

6.2 Avoiding stalling

If the cut-off wheel binds, the product tends to pull away from the operator.



CAUTION

Risk of cut-off wheel breakage or kickback. Application of excessive pressure causes distortion of the cut-off wheel. Sticking or stalling of the cut-off wheel increases the probability of kickback or cut-off wheel breakage.

- ▶ Avoid applying excessive pressure when cutting and don't allow the cut-off wheel to stick and stall.
 - ▶ Don't attempt to make an excessively deep cut.
1. Cutting through thick workpieces should be accomplished, as far as possible, by making a several cuts. Avoid making excessively deep cuts.
 2. Never attempt to cut through more than one workpiece at a time.
 3. Support slabs or large workpieces so that the kerf remains open during and after the cutting operation.

6.3 Avoiding kickback

Kickback is a sudden reaction to a pinched or snagged rotating wheel. Snagging or binding brings the rotating accessory tool to an abrupt stop. This causes the product to be accelerated in the direction opposite to the accessory tool's direction of rotation at the point of binding. For example, if a cut-off wheel is snagged or pinched by the workpiece, the edge of the cut-off wheel entering the pinch point can dig into the surface of the material causing the cut-off wheel to climb out or kick back. If this happens the cut-off wheel moves toward or away from the operator. The further forward the cut-off wheel binds, the higher the probability of a kickback. Cut-off wheels can also break under these conditions. A kickback is the result of product misuse and/or incorrect operating procedures or conditions. It can be avoided by taking the proper precautions as described below.

If the cut-off wheel binds when the product is cutting in the direction of the ground, the product can jump forward in an uncontrolled manner.

If the cut-off wheel binds when the product is cutting vertically, for example in a wall, the product can jump upward in an uncontrolled manner.

1. Always bring the cut-off wheel into contact with the workpiece from above, with the throttle trigger fully depressed.
 - ▶ Allow the cut-off wheel to contact the workpiece only at a point below its rotational axis.
2. Take special care when inserting the cut-off wheel in an existing kerf.

7 Care and maintenance



WARNING

Risk of injury. Touching the rotating cut-off wheel or hot parts of the machine may lead to injury or burns.

- ▶ Switch the engine off and allow the product to cool down before all maintenance, repairs, cleaning or servicing.

7.1 Maintenance table

	Before use	Every 6 months	If necessary
Check that the tool is complete, in perfect condition and free of leaks. Have it repaired if necessary.	✓		



	Before use	Every 6 months	If necessary
Check for dirt and foreign matter. Clean if necessary.	✓		
Check that the controls function correctly. Have repairs carried out if necessary.	✓		
Check that the cut-off wheel is in perfect condition. Replace if necessary.	✓		
Check that all externally accessible nuts and screws are securely tightened.	✓	✓	✓
Check that the fuel filter is clean. Replace it if necessary.		✓	✓
Replace the air filter if the product does not start or engine performance fades noticeably.			✓
Clean or replace the spark plug if the product does not start or is difficult to start.			✓
Adjust the idling speed if the cut-off wheel does not slow to a standstill when the engine is idling.			✓
Have the product repaired by Hilti Service if the drive belt slips when a load is applied to the cut-off wheel.			✓

7.2 Cleaning or replacing the air filter

ATTENTION

Risk of damage. Entry of dust causes irreparable damage to the product.

- ▶ Never operate the machine if the air filter is damaged or missing.
- ▶ When changing the air filter, the product should stand upright and should not be laid on its side. Take care to ensure that no dust finds its way onto the underlying filter screen.



Change the air filter if engine performance drops noticeably or if the engine becomes difficult to start.

1. Release the securing screw on the air filter cover and remove the cover.
2. Carefully remove the dust adhering to the air filter and the filter chamber (use a vacuum cleaner).
3. Release the four screws retaining the filter holder and remove the air filter.
4. Fit the new filter and secure it with the filter holder.
5. Fit the air filter cover and tighten the retaining screws.

7.3 Replacing a broken starter cord

ATTENTION

Risk of damage. The housing may suffer damage if the starter cord is too short.

- ▶ Never continue to use a broken starter cord. Replace it immediately.
1. Unscrew the three securing screws and remove the starter assembly.
 2. Remove the remaining pieces of the starter cord from the spool and the starter handle.
 3. Make a secure knot in the end of the replacement starter cord and then pass the free end of the cord through the hole in the spool from above.
 4. Pass the end of the cord through the opening in the starter housing from below, also through the starter handle from below, and then make a secure knot in the end of the cord.
 5. Pull a length of the starter cord out of the housing as shown in the illustration and pass it through the slot in the spool.
 6. Hold the cord securely close to the slot in the spool and then rotate the spool in a clockwise direction as far as it will go.
 7. Rotate the spool back from its end point at least a ½ revolution, max. 1 ½ revolutions, until the slot in the spool is in alignment with the opening in the starter housing.
 8. Hold the spool securely and pull the free end of the cord out of the housing towards the starter handle.
 9. Hold the cord under tension, release the spool and allow the starter cord to be pulled in.



10. Pull the starter cord out as far as it will go and check to ensure that the spool can be turned by hand at least a further $\frac{1}{2}$ turn in a clockwise direction. If this is not possible, spring tension must be reduced by one revolution in a counterclockwise direction.
11. Fit the starter assembly and press it down gently. Pull the starter cord slightly until the coupling engages and the starter assembly is fully seated.
12. Secure the starter assembly with the three retaining screws.

7.4 Replacing the fuel filter

When refueling the product, take care to ensure that no dirt or foreign matter finds its way into the fuel tank.

1. Remove the cap from the fuel tank.
2. Pull the fuel filter out of the fuel tank.
3. Check the condition of the fuel filter.
 - ▶ Replace the fuel filter if it is very dirty or clogged.
4. Slide back the clip on the hose and remove the dirty fuel filter.
5. Fit a new fuel filter and secure it with the clip on the hose.
6. Push the fuel filter back into the fuel tank.
7. Close the fuel tank.

7.5 Cleaning the spark plug, setting the spark plug gap or replacing the spark plug

CAUTION

Risk of injury. The spark plug and parts of the engine may be hot immediately after the product has been in use.

- ▶ Allow the product to cool down before undertaking maintenance or cleaning.
1. Use a gentle twisting motion to pull the cable connector off the spark plug.
 2. Use the spark plug wrench to unscrew and remove the spark plug from the cylinder.
 3. If necessary, clean the spark plug electrode with a soft wire brush.
 4. Check the spark plug gap and, if necessary, adjust it to the correct gap of 0,7 mm with a feeler gauge.
 5. Fit the ignition cable connector to the spark plug and hold the threaded section of the spark plug against the cylinder.
 6. Move the start/stop switch to the “start” position.

WARNING

Risk of injury. Touching the electrodes presents a risk of electric shock.

- ▶ Don't touch the spark plug electrodes.
7. Pull the starter cord (press the decompression valve first).
 - ▶ An ignition spark must now be clearly visible.
 8. Use the spark plug wrench to screw the spark plug into the cylinder (tightening torque: 12 Nm).
 9. Fit the ignition cable connector to the spark plug.

7.6 Adjusting the carburetor


The carburetor of this product has been factory set for optimum performance and sealed to prevent tampering (jets H and L). The idling speed of the machine (jet T) may be adjusted by the user. All other adjustments must be carried out by Hilti Service.

Tampering with the carburetor settings may cause damage to the engine.

- ▶ Clean the air filter. → page 36
- ▶ Allow the product to run until it reaches its normal operating temperature.
- ▶ Use a suitable flat screwdriver (tip width 4 mm/ $\frac{5}{32}$ ") and do not force the adjusting screw beyond its intended adjustment range.
- ▶ Adjust the idling speed jet (T) so that the engine runs smoothly when idling but the cut-off wheel does not begin to rotate.



7.7 Care and maintenance of the machine

 To help ensure safe and reliable operation, use only genuine Hilti spare parts and consumables. Spare parts, consumables and accessories approved by Hilti for your product can be found at your local Hilti Center or online at: www.hilti.group

- ▶ Keep the product, especially its gripping surfaces, clean and free from oil and grease.
- ▶ Do not use cleaning agents containing silicone.
- ▶ Clean the outer surfaces of the machine at regular intervals with a slightly damp cloth or a dry brush. Do not use a spray, steam pressure cleaning equipment or running water for cleaning.
- ▶ Do not allow foreign objects to enter the interior of the product.

7.8 Maintenance

1. Check all external parts of the product and the accessories for damage at regular intervals and check that all controls operate faultlessly.
2. Do not use the product if parts are damaged or if operating controls do not function faultlessly. Have the product repaired by Hilti Service.

7.9 Checks after care and maintenance work

- ▶ After carrying out care and maintenance, check that all protective and safety devices are fitted and that they function faultlessly.

8 Transport and storage

- ▶ Switch the product off before transporting it.
- ▶ Remove the cut-off wheel from the product after use. The cut-off wheel may suffer damage during transport with the wheel fitted.
- ▶ Handle the cut-off wheel carefully and store it in accordance with the manufacturer's instructions.
- ▶ Always store and transport the product in an upright position, not lying on its side.
- ▶ Do not carry the saw trolley and the product together. Remove the water tank before transporting the saw trolley.
- ▶ Do not lift the product and the saw trolley by crane. This is not permissible.
- ▶ Store the product in a secure place when not in use. Products which are not in use must be stored in a dry, high place or locked away out of reach of children.
- ▶ When laying the product down, make sure that it stands securely.
- ▶ After use, allow the product to cool down before packing it away or placing a cover over it.
- ▶ Store gasoline and oil in a well-ventilated room in fuel containers that comply with regulations.

8.1 Transportation in a vehicle

WARNING

Risk of fire and explosion. If the product tips over during transport, fuel may run out of the fuel tank.

- ▶ Empty the product's fuel tank completely before packing and shipping it.
- ▶ Transport the product, as far as possible, in its original packaging.

WARNING

Fire hazard. Hot parts of the machine could ignite material lying about in the surrounding area.

- ▶ Allow the product to cool down completely before packing it away or loading it into a vehicle..

1. Remove the cut-off wheel.
2. Secure the product to prevent it falling over, thereby causing damage or fuel spillage.
3. Transport the saw trolley only when the water tank has been emptied.



8.2 Storing the fuel mixture

CAUTION

Risk of injury. As pressure may build up in the fuel tank there is a risk of fuel being forced out when the fuel cap is opened.

- ▶ Always open the cap of the fuel tank carefully so that the pressure is relieved gradually.
- ▶ Store the fuel in a dry, well-ventilated room.

1. Mix only enough fuel for a few days' use.
2. Clean the fuel container occasionally.

9 Troubleshooting

Trouble or fault	Possible cause	Action to be taken
Cut-off wheel slows down or stops completely while cutting.	Excessive cutting pressure applied (cut-off wheel stalls in the kerf) or pressure applied to the cut-off wheel from the side.	▶ Reduce pressure when cutting and guide the product in a straight line.
	The cut-off wheel is not correctly fitted and tightened.	▶ Check how it is fitted and the tightening torque.
	Wrong direction of rotation.	▶ Fit the cut-off wheel. → page 31
	The forward section of the saw arm is loose.	▶ Have the product repaired by Hilti Service.
High vibration, wheel wanders off the cutting line.	The cut-off wheel is not correctly fitted and tightened.	▶ Check how it is fitted and the tightening torque.
	Cut-off wheel is damaged (or unsuitable specification, cracked, segments missing, bent, overheated, deformed, etc.).	▶ Change the cut-off wheel.
	The centering bushing is fitted incorrectly.	▶ Check that the diameter of the arbor hole in the cut-off wheel matches the centering collar of the cut-off wheel centering bushing.
The saw doesn't start or is difficult to start.	The fuel tank is empty (no fuel in the carburetor).	▶ Fill the fuel tank. → page 30
	Air filter clogged with dirt or dust.	▶ Change the air filter.
	The engine is flooded (spark plug wet).	▶ Remove the spark plug, dry the plug and allow the cylinder to dry out.
	Wrong fuel mixture.	▶ Empty the fuel tank and flush out the tank and fuel supply line. ▶ Fill the fuel tank with the correct fuel.
	Air in the fuel line (no fuel reaching the carburetor).	▶ Remove the air from the fuel line by operating the fuel pump several times.
	The fuel filter is dirty or blocked (no fuel or too little fuel reaching the carburetor).	▶ Clean the fuel tank and change the fuel filter.



Trouble or fault	Possible cause	Action to be taken
The saw doesn't start or is difficult to start.	No ignition spark visible or spark is too weak (seen when spark plug is removed).	<ul style="list-style-type: none"> ▶ Clean the spark plug to remove carbon deposits. ▶ Check the spark plug electrode gap and set it correctly. ▶ Change the spark plug. ▶ Check the ignition coil, cable, plug connections and switch and change the defective part if necessary.
	Engine compression is too low.	▶ Check the engine compression and, if necessary, replace worn parts (piston rings, piston, cylinder, etc.).
	The ambient temperature is too low.	▶ Allow the saw to warm up to room temperature and repeat the starting procedure.
	The spark arrestor or exhaust exit is clogged.	▶ Clean the spark arrestor or exhaust exit.
	The decompression valve is stiff to operate.	▶ Make sure that the valve operates freely.
Low engine power / poor cutting performance	Air filter clogged with dirt or dust.	▶ Change the air filter.
	No ignition spark visible or spark is too weak (seen when spark plug is removed).	<ul style="list-style-type: none"> ▶ Clean the spark plug to remove carbon deposits. ▶ Check the spark plug electrode gap and set it correctly. ▶ Change the spark plug. ▶ Check the ignition coil, cable, plug connections and switch and change the defective part if necessary.
	Wrong fuel mixture.	<ul style="list-style-type: none"> ▶ Empty the fuel tank and flush out the tank and fuel supply line. ▶ Fill the fuel tank with the correct fuel.
	The cut-off wheel specification is unsuitable for the material to be cut.	▶ Change the cut-off wheel or ask Hilti Service for advice.
	Drive belt or cut-off wheel slips.	<ul style="list-style-type: none"> ▶ Check that the cut-off wheel is clamped securely. ▶ Have the product repaired by Hilti Service.
	Engine compression is too low.	▶ Check the engine compression and, if necessary, replace worn parts (piston rings, piston, cylinder, etc.).
	The product is used at an altitude greater than 1500 meters above sea level.	▶ Have the carburetor adjusted by Hilti Service .
	Incorrect carburetor setting (fuel / air mixture).	▶ Have the carburetor adjusted by Hilti Service .
Cut-off wheel rotates while the engine is idling.	Idling speed is too high.	▶ Check the idling speed and adjust it if necessary.
	The half-throttle position is engaged.	▶ Release the half-throttle position.
	Faulty centrifugal clutch.	▶ Change the centrifugal clutch.



Trouble or fault	Possible cause	Action to be taken
Cut-off wheel doesn't rotate.	Inadequate drive belt tension or the drive belt is broken.	► Have the product repaired by Hilti Service .
Starter assembly doesn't work.	The clutch claws are not engaging.	► Clean the clutch claws so that they move freely.
	Starter cord is broken.	► Replace the starter cord.

10 Disposal

Most of the materials from which **Hilti** products are manufactured can be recycled. The materials must be correctly separated before they can be recycled. In many countries, your old tools, machines or appliances can be returned to **Hilti** for recycling. Ask **Hilti Service** or your Hilti representative for further information.

Drilling slurry

Disposal of drilling slurry directly into rivers, lakes or the sewerage system without suitable pretreatment presents environmental problems.

- Ask the local public authorities for information about current regulations.

We recommend the following pretreatment:

- Collect the drilling slurry (for example, using a wet-type vacuum cleaner).
- Allow the drilling slurry to settle and dispose of the solid material at a construction waste disposal site (addition of a flocculent may accelerate the settling process).
- The remaining water (alkaline, pH value greater than 7) must be neutralized by the addition of an acidic neutralizing agent or diluted with a large volume of water before it is allowed to flow into the sewerage system.

11 RoHS (Restriction of Hazardous Substances)



Click on the links to go to the table of hazardous substances: (DSH 700-X), qr.hilti.com/r11460300 and (DSH 900-X) qr.hilti.com/r1160423.

There is a link to the RoHS table, in the form of a QR code, at the end of this document.

12 Manufacturer's warranty

- Please contact your local **Hilti** representative if you have questions about the warranty conditions.

Originele handleiding

1 Informatie over documentatie

1.1 Over deze documentatie

- Lees voor ingebruikname deze documentatie door. Dit is vereist voor veilig werken en storingsvrij gebruik.
- De veiligheidsinstructies en waarschuwingsaanwijzingen in deze documentatie en op het product in acht nemen.
- De handleiding altijd bij het apparaat bewaren en het product alleen met deze handleiding aan andere personen doorgeven.

1.2 Verklaring van de tekens

1.2.1 Waarschuwingsaanwijzingen

Waarschuwingsaanwijzingen waarschuwen voor gevaren bij de omgang met het product. De volgende signaalwoorden worden gebruikt:



EC Declaration of Conformity | UK Declaration of Conformity



Manufacturer:
Hilti Corporation
Feldkircherstraße 100
9494 Schaan | Liechtenstein

UK Importer:
Hilti (Gt. Britain) Limited
1 Trafford Wharf Road, Old Trafford
Manchester, M17 1BY

DSH 700-X 35 (03)

Serial Numbers: 1-9999999999

2006/42/EC | Supply of Machinery (Safety) Regulations 2008

EN ISO 19432-1:2020

EN ISO 14982:2009

2014/30/EU | Electromagnetic Compatibility Regulations 2016

EN 55012:2007 + A1:2009

2011/65/EU | The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

2000/14/EC | Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001


Details to 2000/14/EC | Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001:


Measured sound power level L_{wA} : 109 dB/1pW

Guaranteed sound power level, $L_{\text{wA}}^{\text{min}}$: 111 dB/1pW

Conformity assessment procedure: 2000/14/EC Annex V | Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001, Schedule 8

Schaan, 03.08.2021


Dr. Tahar Zrilli
Head of Quality and Process Management
Business Area Electric Tools & Accessories


Johannes Wilfried Huber
Senior Vice President
Business Unit Diamond

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2000/14/EC | Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001

Details to 2000/14/EC | Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001:

Measured sound power level L_{wa} : 112 dB/1pW

Guaranteed sound power level, L_{wa} : 115 dB/1pW

Conformity assessment procedure: 2000/14/EC Annex V | Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001, Schedule 8

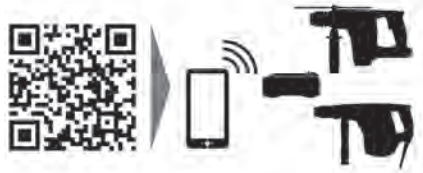
Schaan, 03.08.2021

Dr. Tahar Zrilli
Head of Quality and Process Management
Business Area Electric Tools & Accessories

Johannes Wilfried Huber
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