

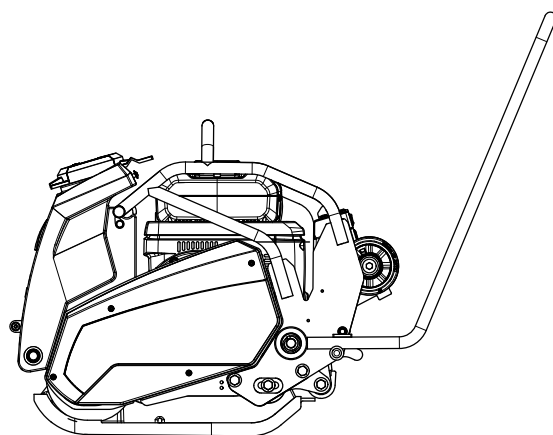
eAPF 12/40
eAPF 12/50

VIBRATION PLATE

HONDA GXE2.0H



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TRANSLATION OF THE ORIGINAL OPERATING MANUAL

PUBLICATION ISSUED 04/2023 EN
Starting with production number 3000001

AMMANN

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gemäß Maschinen-Richtlinie 2006/42/EG, Anhang II A und Geräuschrictlinie 2000/14/EG
as defined by the Machinery directive 2006/42/EC Annex II A and Noise directive 2000/14/EC

Hersteller (Name und Anschrift):
Manufacturer (name and adress):

Ammann Verdichtung GmbH
Josef-Dietzgen-Straße 36
53773 Hennef
GERMANY

Hiermit erklären wir, dass die Maschine (Typ)
Herewith we declare that the machine (Type)

Vibrationsplatte | Vibration plate

eAPF 12/40 eAPF 12/50

Leistung / Output

Honda Honda
GXE2.0H GXE2.0H
2,2 kW 2,2 kW

Seriennummer:
Serial number:

*weitere Informationen siehe Typenschild
look at machine plate for more information*

folgenden einschlägigen Bestimmungen entspricht:
complies with the following provisions applying to it:

2006/42/EG	2000/14/EG	2005/88/EG	2014/30/EG
2006/42/EC	2000/14/EC	2005/88/EC	2014/30/EC

Angewandte harmonisierte Normen:
Applied harmonized standards:

EN 500-1; EN 500-4; ISO 13766-1; ISO 13766-2;

Die benannte Stelle nach 2000/14/EG
The notified body of 2000/14/EC

TÜV Rheinland LGA Products GmbH
Tillystraße 2
90431 Nürnberg | GERMANY
Kenn-Nr. 0197

wurde (wird) eingeschaltet zur / was (is) engaged for

Konformitätsbewertung nach Anhang VIII aus 2000/14/EG
valuation of conformity to Annex VIII of 2000/14/EC

ISO 9001 Zertifikats-Nr.: 09100 67054
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Gemessener Schalleistungspegel $L_{WA,m}$
Measured sound power level $L_{WA,m}$

99dB	99dB		
105dB	105dB		

Garantierter Schalleistungspegel $L_{WA,g}$
Guaranted sound power level $L_{WA,g}$

Hennef, 15.03.2023

Ort, Datum
Place, date


Bernd Holz, Geschäftsführer | Managing Director

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Signature, acting in the company

Aufbewahrung der technischen Unterlagen bei o.g. Person
Technical documents are kept by the above mentioned person

Imprint

Operating manual for: eAPF 12/40 | eAPF 12/50

Machine type: Vibration plate

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Purpose of the operating manual

Before you operate the vibration plate for the first time, or if you are assigned to do other work on the vibration plate, you must read this operating manual.

The use and handling of the vibration plate described below are not self-explanatory and are detailed in the accompanying technical documentation.

Pay special attention to the chapter on safety regulations.

Operating manual

This manual is to be considered part of the machine and must be carefully stored near the machine for the machine's entire service life. This manual must also be passed on to subsequent owners or users of the machine.

Using this manual will:

- make it easier to become familiar with the machine
- help prevent malfunctions caused by incorrect use.

Complying with the maintenance instructions will increase:

- the machine's reliability when used at a construction site
- the machine's service life
- reduce repair costs and downtime.

Residual risks




The operating manual warns and informs you of residual risks that cannot be reduced by design and against which safety measures are not fully effective.

Always keep this manual at the site where the machine will be used. Only operate the machine after training and in compliance with these instructions.

Orientation in this operating manual

General information symbols


This operating manual contains the following general information symbols that guide you, the reader, through the manual and give you important instructions.

Pictograph	Meaning
	Beware of property damage This pictograph indicates that an action can cause damage to the machine if the handling guidelines are not correctly complied with.
	Important information This pictograph indicates important additional information.
	Information on documentation This pictograph indicates that parts of the documentation must be specially or additionally observed, such as supplier manuals, etc.

Preface





Warnings

Working with the machine requires actions that may involve hazards. These actions are preceded by warnings that absolutely must be heeded.

	Important information on warnings in the operating manual <ul style="list-style-type: none">• Observe all warnings on the machine and in the documentation, and act with special caution in such cases. Pass all warnings on to other users, as well.• Warnings (including commands and prohibitions) are for your own personal safety!
-----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Structure of warnings in the operating manual

Preceding warnings and warnings on the product:





















	! DANGER! Indicates an immediate hazard that will cause severe injury or death.
	! WARNING! Indicates a hazard that may cause severe injury or death.
	! CAUTION! Indicates a hazard that may cause minor injury.
	NOTE <i>Indicates a situation that may cause damage to the machine.</i>

Warnings embedded in actions (example):

1. Action step
2. Action step
3. **! WARNING!** Asphyxiation hazard from exhaust. Start the machine only outdoors or in well-ventilated spaces.
4. Action step
5. Action step

Symbols and pictographs

The warnings are always shown together with a symbol or pictograph. These symbols and pictographs often represent the hazard source and warn of hazard locations, risks or obstacles. They also give the user information on recommended personal safety equipment, commands and prohibitions.

Pictograph	Meaning	Pictograph	Meaning
	Hazard location warning		Beware of property damage
	Hot surface warning		Warning of environmentally hazardous materials or mixtures
	Chemical burn warning		No smoking, sparks or open flames
	Suspended load warning		No access for people with heart pace-makers or implanted defibrillators
	Crushing hazard warning		Wear ear protection
	Beware of poisonous fumes and gases		Wear safety goggles
	Finger pinch warning		Wear breathing protection
	Fire hazard warning		Wear work gloves
	Beware of explosive materials		Wear work shoes
	Electrical voltage warning		Read the operating manual

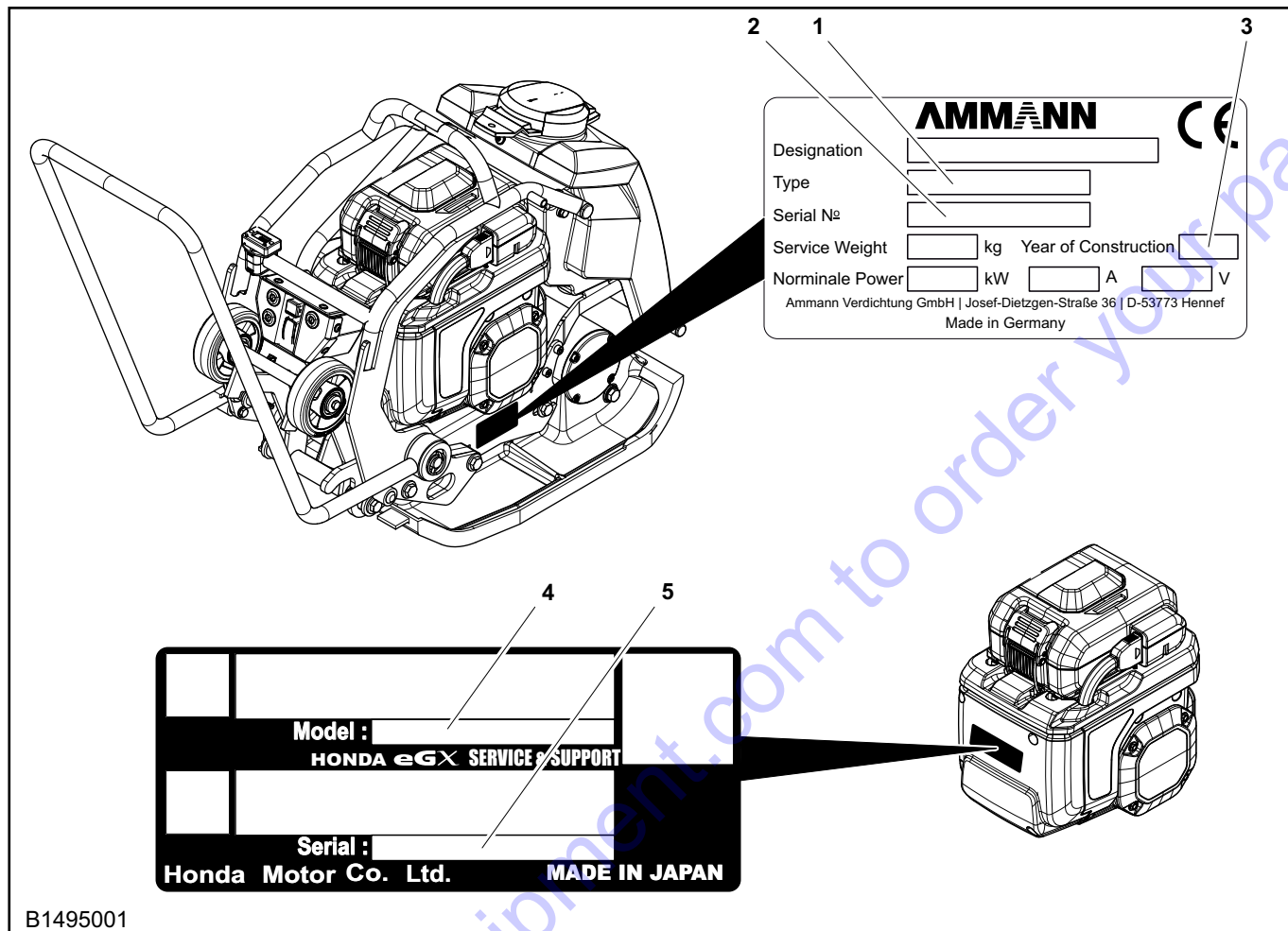
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1. Identification

1.1 Machine labelling

Enter the following information into the operating manual. This allows the manual to be clearly assigned to the right machine. The information can be found on the model plate, and on the engine model plate.



1. Machine type: _____
2. Machine no.: _____
3. Machine production year: _____
4. Engine type: _____
5. Engine no.: _____

1.2 Manufacturer information

Ammann Verdichtung GmbH
Josef-Dietzgen-Straße 36
53773 Hennef
Germany

Phone: +49 2242 8802-0
Fax: +49 2242 8802-59
E-mail: info.avd@ammann.com

Intended use

This machine is only to be used for:

- Compaction of bituminous material in street and path construction.
- Light compaction work in civil engineering and earthworks.

Any other use is unintended and therefore improper. Improper use can threaten the safety of the personnel working with the machine. The manufacturer accepts no liability for resulting damages.

Safe operation of the machine is ensured only by intended use.

Intended use also includes compliance with all information in this manual.

Foreseeable misuse

Foreseeable misuse includes:

- Operation by untrained personnel.
- Weighing down the machine.
- Riding on the machine.
- Using the machine as an attachment device.
- Operation on slopes greater than 20°.
- Failure to observe this manual.
- Failure to observe safety instructions.
- Use on:
 - Hard concrete.
 - Set bitumen layers.
 - Ground frozen solid.
 - Ground with inadequate load capacity.
 - Operation near sharp drops..

Conversion and modification

Unauthorized machine modifications, attachments or conversions are forbidden for safety reasons.

We do not approve replacement parts or special equipment that we have not supplied. Installing and/or using such devices might affect the machine's driving and operating safety.

The manufacturer will not be liable for any damage caused by using non-original parts or other special equipment.

Operating personnel

Only trained, instructed and authorized personnel over the age of 18 may drive and operate the machine. Responsibilities must be clearly defined and adhered to during operation.

Deviations from this may be made in the case of young employees where operating the machine is necessary in order to complete their training objectives and their protection is guaranteed by a supervisor.

Personnel under the influence of alcohol, medication or drugs must not operate, maintain or repair the machine.

Maintenance and repair, especially of hydraulic systems and electronic components, require special knowledge and must be done only by specialist personnel (construction machinery and agricultural machinery, electronics experts).

Inspections

Road rollers, trench rollers and vibratory plates must be inspected for safety by an expert whenever necessary or at least once a year, depending on the conditions of use and the operating conditions.

Residual risks

This Ammann machine has been designed according to current state-of-the-art technology and the applicable technology regulations. Nevertheless, this machine can still endanger people and equipment if it is:

- not used as intended
- not used by suitably trained personnel
- is improperly modified or converted
- the safety regulations were ignored

Therefore, everyone involved in operating, maintaining or repairing the machine must read and abide by the operating manual and especially the safety regulations. This must be confirmed by the operating company through signatures as necessary.

Furthermore, instructions must be given and adhered to regarding:

- the applicable accident prevention regulations
- the generally recognized safety regulations
- country-specific regulations

2. Safety regulations

Residual hazards in individual life cycle phases and tasks

Transport

During transport of the machine, there is a crushing hazard from the machine's own weight. Improper handling can crush or severely injure parts of people's body. Therefore, heed the following instructions:

- Always remove the battery before loading and transport.
- Follow the transport instructions in this document.
- Use only suitable transport and lifting equipment with adequate load-bearing capacity!
- Attach suitable slinging equipment to the slinging points provided.
- Secure the machine against tipping over or slipping.
- Never walk or stand under suspended loads. This may pose a death hazard!
- Secure the machine on the transport vehicle against rolling, sliding or tipping over.
- Remove the battery before loading and stow it securely.

Operation

During the machine's operation, various residual hazards exist that are caused by the purpose of the machine's use and cannot be eliminated by design. Therefore, heed the following instructions:

Before starting

- Wear personal safety equipment (safety shoes, sound protection, etc.).
- Become familiar with the operation and control elements and the manner of working with the machine.
- Check that all of the safety devices are securely installed in place.
- Never start the machine with defective instruments or controls. This may cause injury!
- Examine your work environment and prepare it for the work. This includes, among other things:
 - Removing obstacles in the work area.
 - Checking the ground's load capacity.
 - Providing necessary safeguards.
 - The points listed here are frequently occurring activities in relation to the machine's area of application. This list is not complete, and depends on the specific work environment. Always adapt it to your own work environment.

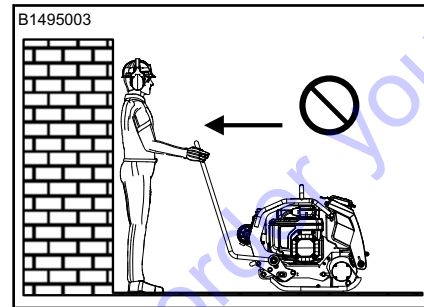
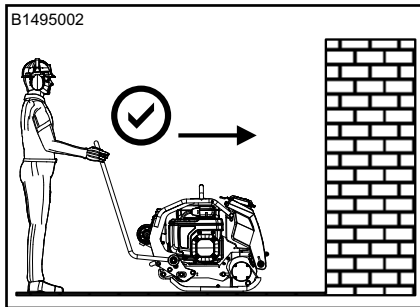
Starting

- It is forbidden to start and operate the machine in a potentially explosive environment!
- Abide by the switching-on and switching-off procedures and that the control displays are as per the operating manual.
- Machines with electric starting must be started and operated only from the control panel. Failure to do so may damage.

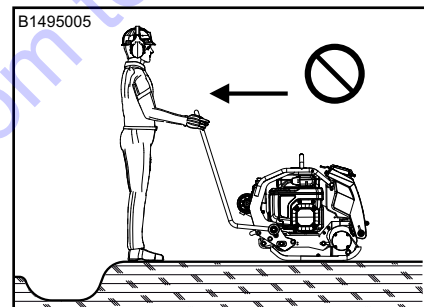
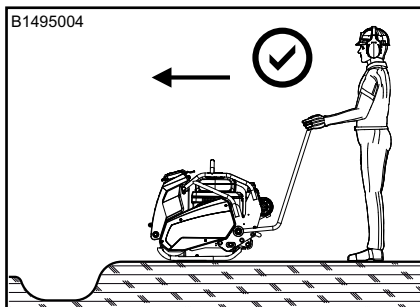
2. Safety regulations

Guiding the machine

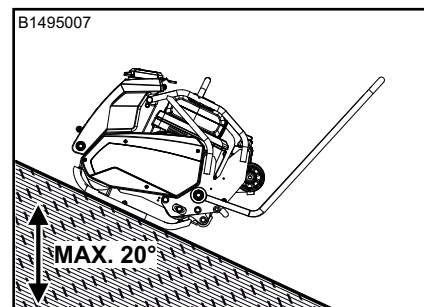
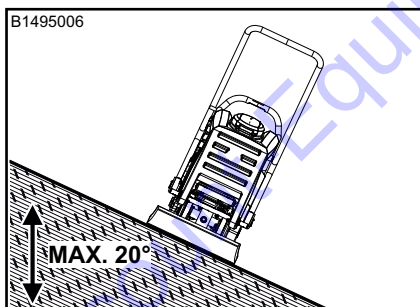
- Always check the effectiveness of safety devices and the brakes at the start of the trip. Nonfunctional safety equipment and brakes can cause severe injury.
- If safety equipment defects or other defects that threaten safe operation of the machine are detected, the machine must be stopped immediately and the defects repaired.
- Control devices designed to move automatically when released must never be secured in place.
- If the compacting work must be done near buildings or above pipelines, etc., you must check the effect the vibrations are having on the building or pipelines and stop the compacting work whenever necessary
- In general:
 - Operate the machine so as to prevent crushing to the machine operator (between machine and obstacles such as buildings, walls or objects).



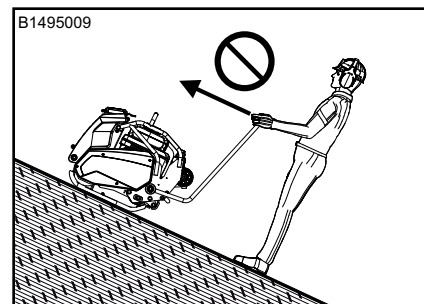
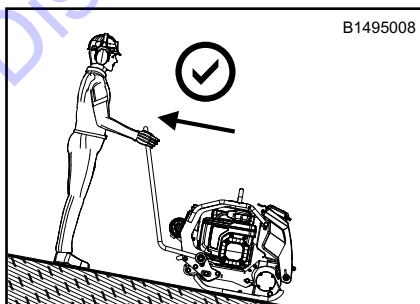
- Operate the machine so as to ensure that the machine operator does not fall (into ditches, construction pits or embankments).



- Never work in a way that might destabilize the machine.




- Navigate slopes carefully and always move upward in a straight direction.



- Move in reverse on steep slopes to prevent the machine from tipping onto the machine operator.

2. Safety regulations

Parking the machine

- After work, park the machine on level ground, stop the drive system and secure it against unintentional movement and unauthorized use (remove the battery).
- Shut off the fuel valve, if fitted.
-  **NOTE:** Do not place or store devices with an integrated moving device on the chassis. The moving device was designed only for transporting the unit. Otherwise, machine damage may occur.

Maintenance and repair work

Proper maintenance, inspection and adjustment are important parts of the machine's safety concept. If these tasks are not performed properly, there is great risk of injury due to nonfunctional safety equipment. Therefore, heed the following points:

- Adhere to the maintenance, inspection and adjustment tasks and intervals specified in the operating manual, including the information on replacing parts.
- Maintenance is to be done only by qualified, especially authorized personnel.
- Replacement parts must meet the technical requirements stipulated by the manufacturer. Therefore, use only original replacement parts.
- Only use suitable and technically faultless lifting equipment and load suspending devices with sufficient lifting capacities when replacing larger assemblies and specific parts. Attach and secure parts carefully to the lifting equipment! Falling parts may severely injure people.
- Reinstall and check all safety devices after any maintenance or repair has been done.

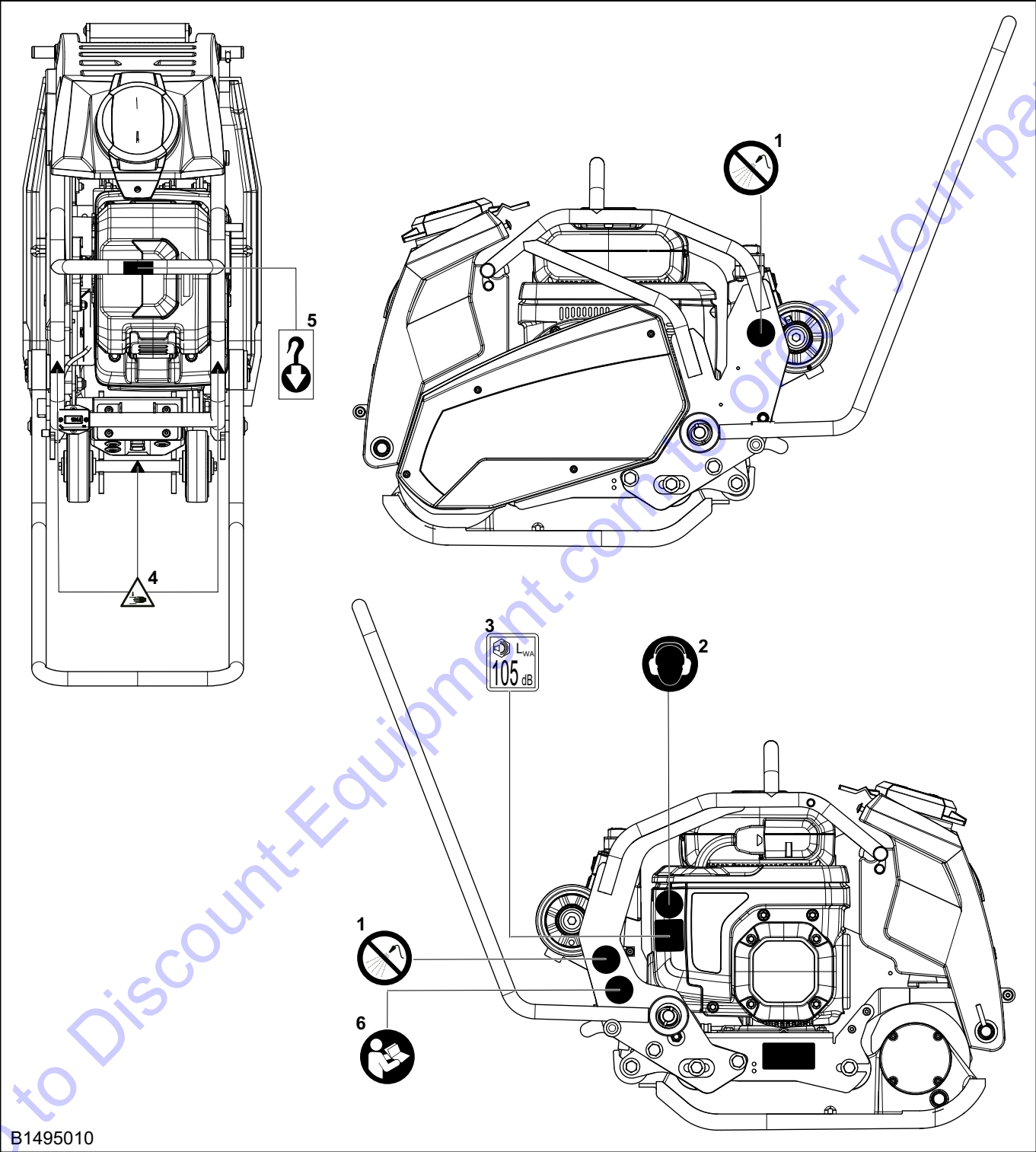
Battery maintenance

- Secure removed batteries against tipping over, short circuiting, slipping or damage during transport. Failure to do so can cause short circuits and fire. Always use the original transport box; see "6.3 Loading and transporting the battery" on page 56.
- Smoking and open flames are forbidden near batteries. They pose a fire and explosion hazard!
- Before cleaning the battery, remove it from the machine or charger. Remove dirt with a clean, dry cloth.
- Dispose of used batteries according to applicable regulations.
- Never place tools or other objects on the battery. Tools can bridge contacts and cause short circuits. This may cause injury.

Safety equipment

Signs on the machine

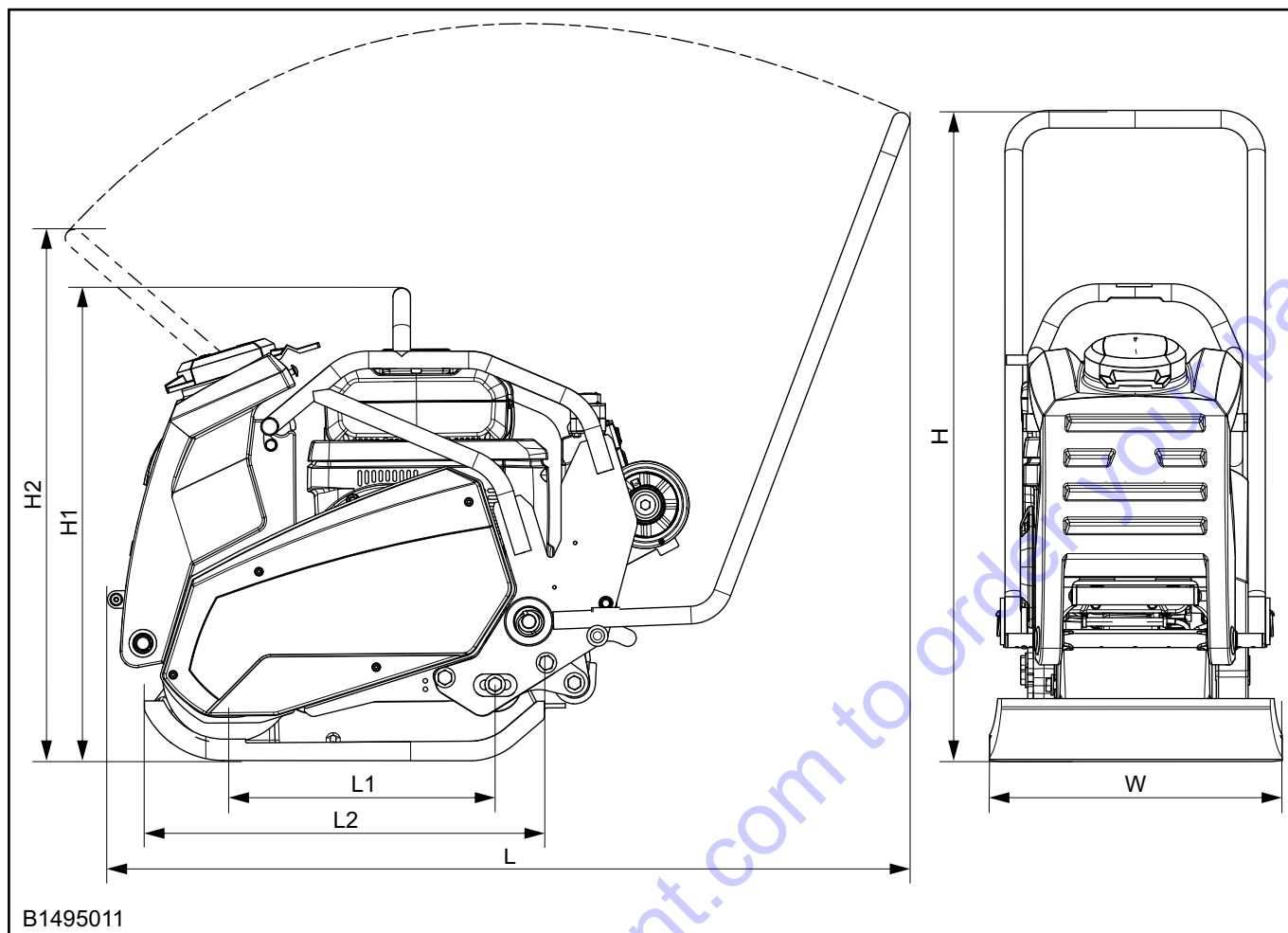
The following informational, safety and warning instructions are attached to the machine.



B1495010

Pos.	Item No.	Units	Designation	Pos.	Item No.	Units	Designation
1	2-00202048	1	Film "Do not spray with water"	4	2-00202008	3	Film "Hand injury"
2	2-00204129	1	Film "Ear protection"	5	2-00202260	1	Film "Lifting point"
3	2-00202605	1	Film "105 dB"	6	2-00202089	1	Film "Read operating manual"

3. Technical data



	eAPF 12/40	eAPF 12/50
1. Dimensions (*with water tank)		
W	400 mm 15.75 in	500 mm 19.69 in
L	1056* mm 41.57 in	
L1	352 mm 13.86 in	
L2	559 mm 22.01 in	
H	920 mm 36.22 in	
H1	667 mm 26.26 in	
H2	790 mm 31.10 in	
2. Weight		
Working weight	89.0 kg 196.21 lb	92.0 kg 202.83 lb
	+ 6.0 kg 13.23 lb	
Water sprinkler	+ 3.3 kg 7.28 lb	
Chassis	+ 5.7 kg 12.57 lb	
3. Drive		
Engine type	Honda GXE2.0H-Q2-SD	
Design	3-phase PMSM	
Power rating	1.6 kW 1.8 hp	
at	3600 rpm	
Switch-on speed of centrifugal clutch	2000 rpm	
Cooling	Aircooled	
maximum incline position	20°	
maximum climbing capability	30%	

3. Technical data

	eAPF 12/40	eAPF 12/50
Drive type	By centrifugal clutch and V-belt.	
4. Rate of advance		
	20 m/min 0.746 mph 65.617 fpm	
5. Vibration		
Vibration force	12 kN 2697.707 lbf	
Vibrating frequency	100 Hz	
6. Area performance		
Per battery charge ¹⁾	up to 176 m²/h 1894.448 ft²/h	
In the hour	up to 480 m²/h 5166.677 ft²/h	up to 600 m²/h 6458.346 ft²/h
¹⁾ Applies to new batteries. Note: The area performance depends on the soil conditions.		
7. Specified contact pressure		
	8.5 N/cm² 12.183 psi	6.8 N/cm² 9.863 psi
8. Operating fluid quantities		
Water tank	5 ℓ 1.1 imp gal	
9. Sonderzubehör		
Vulkollan plate	●	
Chassis	●	
Water tank 5 ℓ	●	
Running hours counter	●	
Battery	■ ●	
Battery charger	■ ●	
	● = Special accessories ■ = Series — = Not available	
10. Battery		
Battery type	DP72104Z	
11. Battery charger		
Battery charger	CV7285Z	
12. Noise and vibration data		
This noise and vibration data is listed in compliance with the EU Machinery Directive (2006/42/EC) and was determined under consideration of the harmonized standards and directives listed below. Deviating values might occur, because they depend on the prevailing conditions during operation.		
9.1 Noise data ²⁾		
The noise level data required according to Appendix 1, Section 1.7.4.u etc., of the EC Machinery Directive are for:		
Sound power level at the operating site L _{PA}	78 dB	
Measured sound power level L _{WA,m}	99 dB	
Guaranteed sound power level L _{WA,g}	100 dB	
The noise values were determined in compliance with the following directives and standards:		
Directive 2000/14/EC / EN ISO 3744 / EN 500-4		
9.2 Vibration data		
The hand-arm vibration value data required according to Appendix 1 Section 3.6.3.1 of the EC Machinery Directive:		
Total vibration value at acceleration a _{hv}	< 2.5 m/s² < 8.2 ft/s²	
Uncertainty K	1.0 m/s² 3.28 ft/s²	
The acceleration value was determined in compliance with the following directives and standards: EN 500 / DIN EN ISO 5349		



²⁾ Because the permissible assessment sound level of 85 dB (A) may be exceeded for this machine, the operator must wear sound protection.

4. Operation

4.1 Description

The eAPF series are vibration plates that operate according to the drag swing system. This means that the plate moves only forward.

The engine drives the exciter on the base plate through a centrifugal clutch and V-belt.

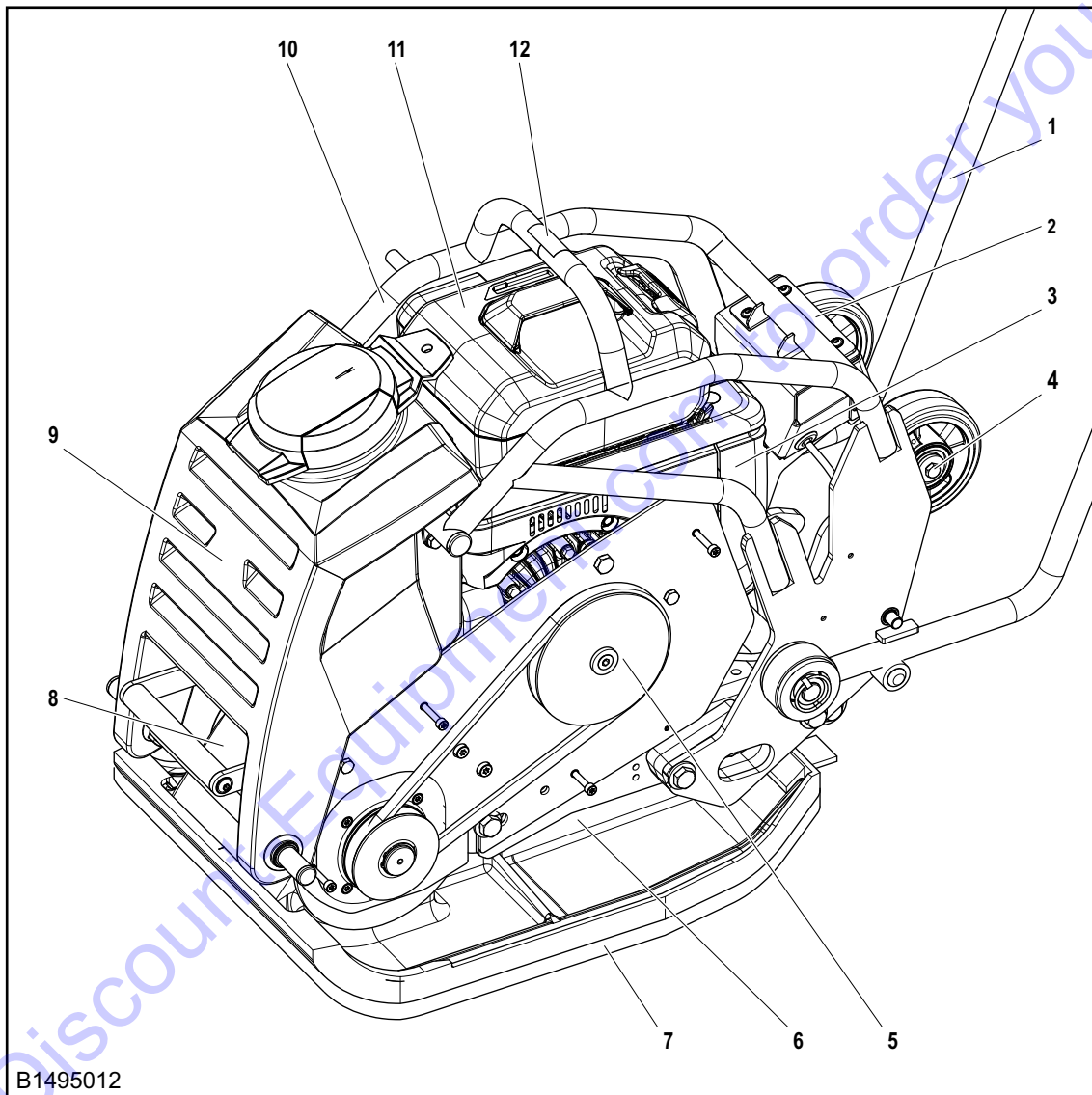
Through built-in imbalances, the exciter creates the vibrations necessary for compaction.

The machine is guided from a drawbar. Operation is done through the operating elements on the safety bar.

The eAPF series is suitable for all compaction work in civil engineering and road construction.

All ground materials, such as sand, gravel, slag, bitumen and paving stones.

4.1.1 Equipment overview

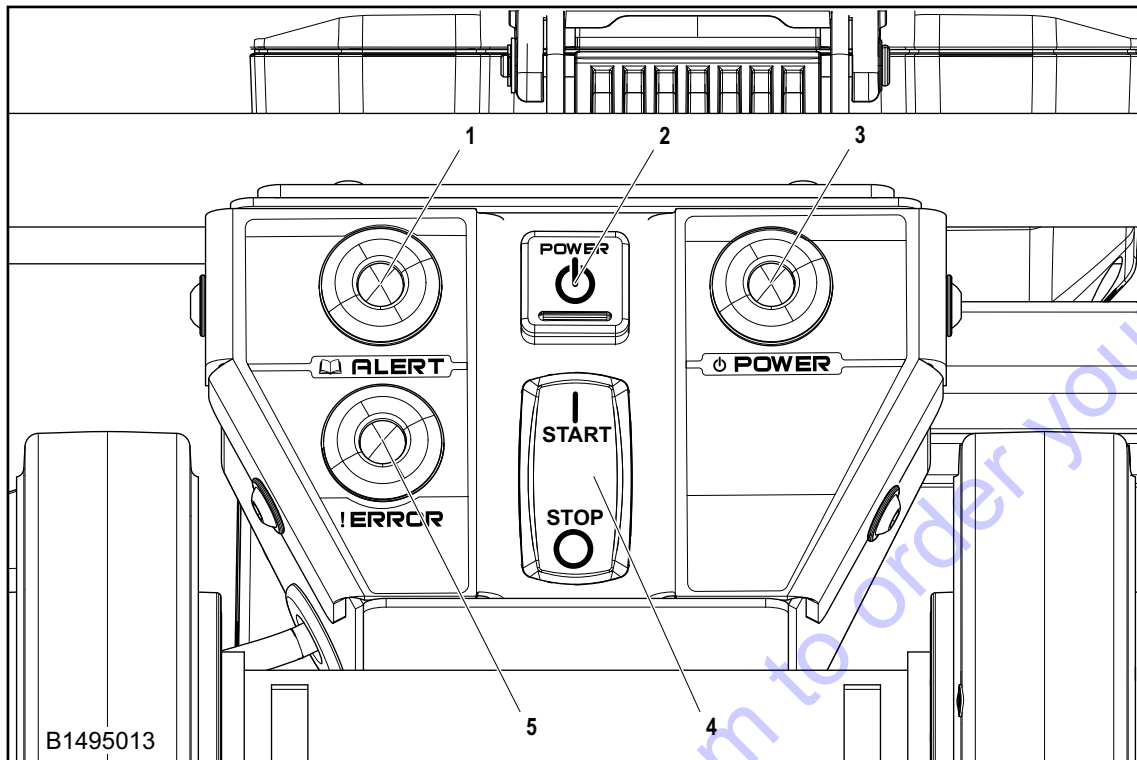


2-00002081EN © Ammann Group 04/2023

- | | |
|-----------------------------------------|---------------------------------------|
| 1 Drawbar | 7 Wear-protection plate ¹⁾ |
| 2 Starting console | 8 Exciter |
| 3 Electric motor | 9 Water tank ¹⁾ |
| 4 Chassis ¹⁾ | 10 Safety bar |
| 5 V-belt pulley with centrifugal clutch | 11 Battery |
| 6 Base plate | 12 Central point suspension |

¹⁾ Special accessories


4.2 Operating panel



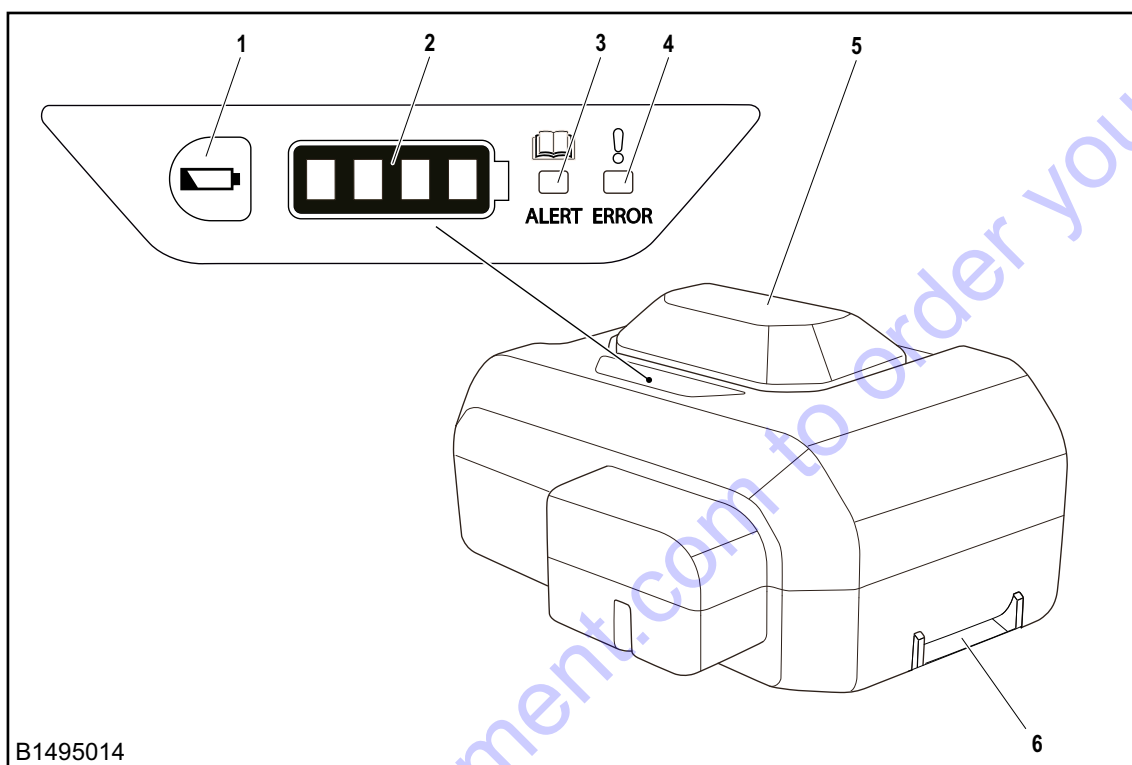
- 1 Warning display**
The signal light indicates a fault that must be repaired immediately.
- 2 Operating switch**
Turns on the power supply.
- 3 Operation display**
Shows that energy is available for starting the machine.
- 4 Engine start/stop switch**
The engine RPM is not adjustable. After startup, immediate engine/exciter power transfer takes place that switches the centrifugal clutch.
- 5 Fault display**
The signal light indicates a fault. The engine shuts off.

4. Operation

4.2.1 Check the battery charge status before and after operation

NOTE	
	Use only original batteries.

Overview



- 1 Test button for charge status
- 2 Charge status
- 3 Warning display




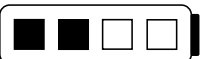
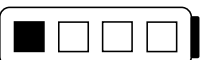
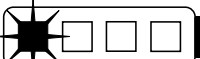



- 4 Fault display
- 5 Grip
- 6 Battery clamp

Check the charge status before operation

1. Press the test button on the battery.
- ▶ The charge status display lights up or flashes.
2. Read the charge status from the display.
- ✓ Charge status checked.

Checking the charge status during operation

- ▶ The charge status display lights up or flashes during operation.
1. Read the charge status from the display.
- ✓ Charge status checked.

Display	Charge	
	<div>High</div> <div></div> <div>Low</div>	Fully charged.
		Adequately charged.
		Remaining battery power is low. Charge the battery.
		
		
<div> = Flashes  = On  = Off</div>		

4. Operation

4.3 Before commissioning

DANGER!



Failure to follow this manual and all the safety instructions it contains can result in death, injury or property damage.

- ♦ Carefully read and follow this manual, especially the safety instructions.
- ♦ Read and observe the engine operating manual and its instructions on safety, operation and maintenance.

DANGER!



Failure to observe the following instructions can result in death, injury or property damage.

Failure to observe the following instructions can result in overheating, fire, bursting, explosion or electric shock.

- ♦ Never allow the battery to be struck or fall.
- ♦ Never dismantle, modify or repair the battery.

DANGER!



Death or injury hazard from damaged cables or contacts.

- ♦ Have them replaced by technical personnel or the manufacturer.

WARNING!



Failure to use personal safety equipment (PSE) or using unsuitable equipment, may harm health or cause injury.

- ♦ Personal safety equipment includes:
 - Ear protection
 - Safety shoes
 - Work gloves
 - Breathing protection
- ♦ Determine and prepare the right personal safety equipment for the job.
- ♦ Use only personal safety equipment that is in proper condition and offers effective protection.
- ♦ Adjust the personal safety equipment to the person, such as to body size.

To commission, do as follows:

1. Place the machine on a level floor.
2. Inspect:
 - Screw joints for firm seating
 - Condition of engine and machine (visual inspection)
 - Check the battery, attachment of the battery, battery plug and engine wiring harness for damage (visual inspection).
 - Check the power plug and battery plug for dirt (visual inspection).
- ▶ If necessary, clean with a clean, dry cloth.
- ▶ If necessary, repair any faults before commissioning.
3. Top up low lubricants according to the lubricant chart.
4. Check the battery charge status.
 - ▶ If necessary, replace with a fully charged battery.
5. Insert the battery into the engine's mounting and lock it.
6. Connect the battery plug.
- ✓ Once commissioning is finished, the engine can be started.

4. Operation

4.4 Decommissioning

DANGER!



Failure to follow this manual and all the safety instructions it contains can result in death, injury or property damage.

- ♦ Carefully read and follow this manual, especially the safety instructions.
- ♦ Read and observe the engine operating manual and its instructions on safety, operation and maintenance.

WARNING!



Failure to use personal safety equipment (PSE) or using unsuitable equipment, may harm health or cause injury.

- ♦ Personal safety equipment includes:
 - Ear protection
 - Safety shoes
 - Work gloves
 - Breathing protection
- ♦ Determine and prepare the right personal safety equipment for the job.
- ♦ Use only personal safety equipment that is in proper condition and offers effective protection.
- ♦ Adjust the personal safety equipment to the person, such as to body size.

NOTE



Use only original batteries.

To decommission, do as follows:

1. Turn off the engine and machine.
 2. Turn off the water sprinkler.
 3. Place the machine on a level floor.
 4. Remove the battery from the machine. To do this, follow chapter "5.2.4 Remove the battery" on page 44.
 5. Clean the battery with a clean, dry cloth.
 6. Clean the engine-battery connection point with a clean, dry cloth.
 7. Check the battery for damage (visual inspection).
 8. Charge the battery. To do this, follow chapter "5.1.8 Charging process" on page 33.
- ✓ Decommissioning is finished.

4.5 Engine operation

! WARNING!



Death/injury hazard from operation in an explosion-prone atmosphere!

Starting and operating the machine in explosion- and fire-prone areas can cause severe injury or even death.

- ◆ Never start or operate the machine in explosion- or fire-prone areas.

! WARNING!



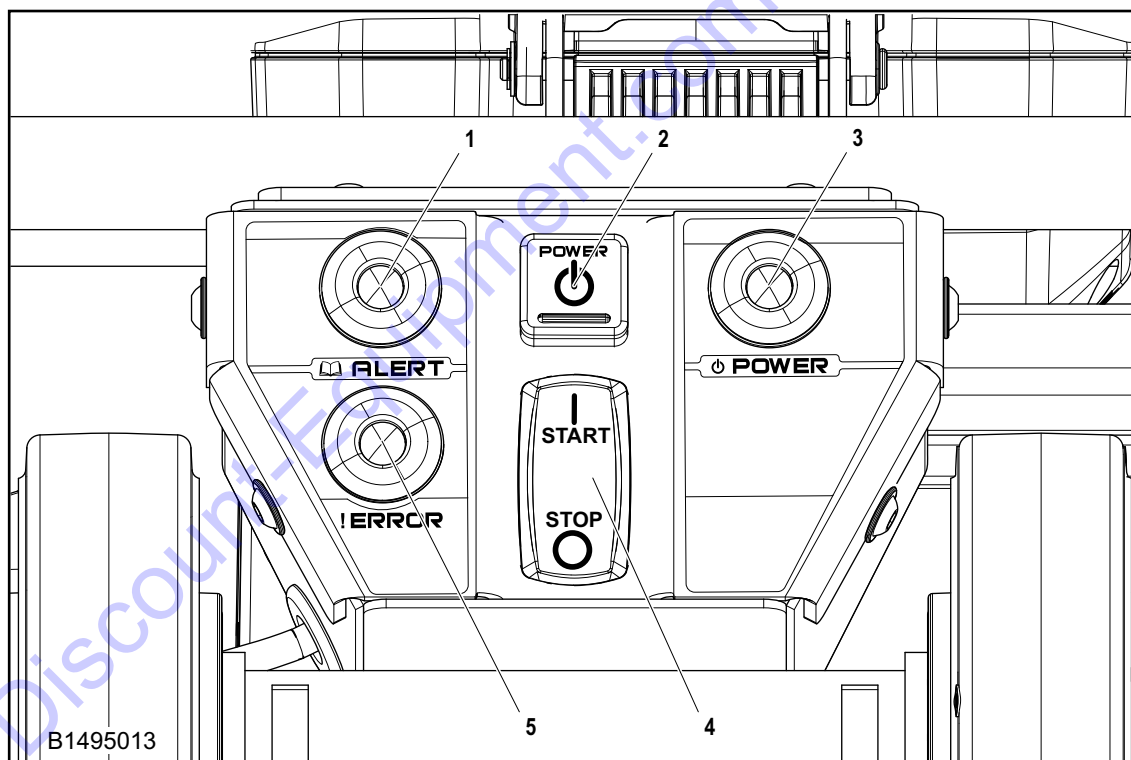
Injury hazard from damage and defects on the machine.

Damage and defects on the machine, especially the safety equipment, are hazard sources. Damaged machines can injure the machine operator or bystanders.

- ◆ Before every startup, visually inspect for damage.
- ◆ If damage is located and identified, never operate the machine.
- ◆ Replace defective components.

4.5.1 Starting the engine

Overview



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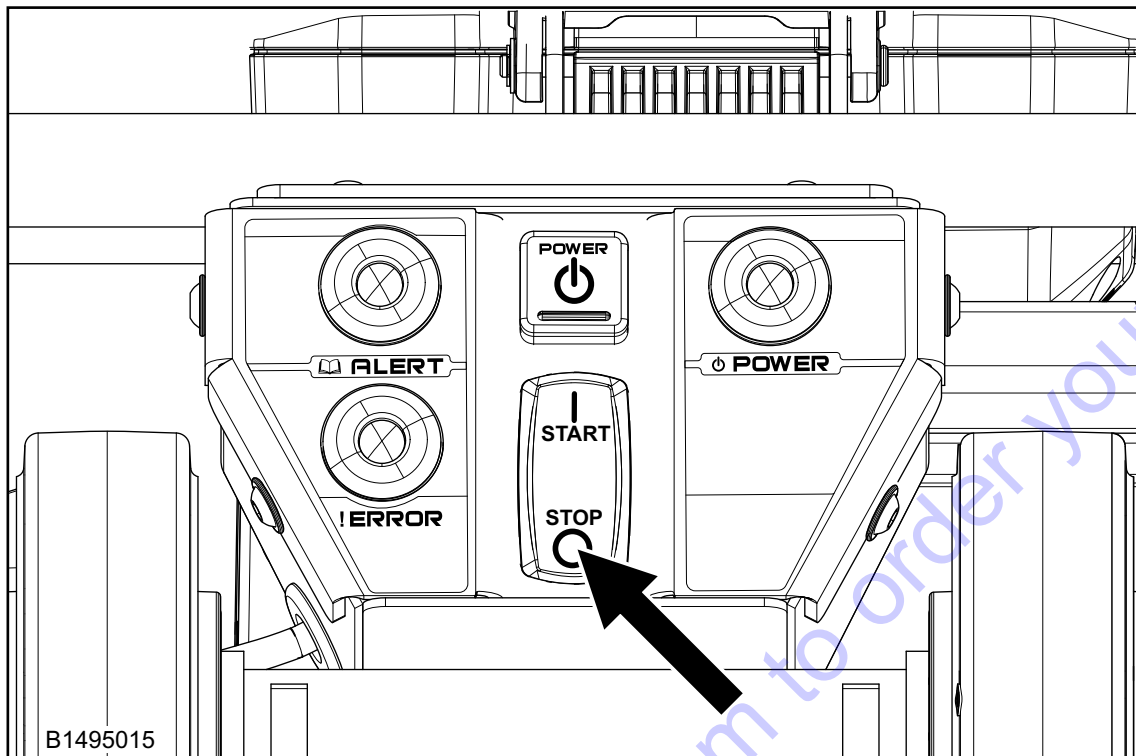
- 1 Warning display
- 2 Operating switch
- 3 Operation display

- 4 Engine start/stop switch
- 5 Fault display

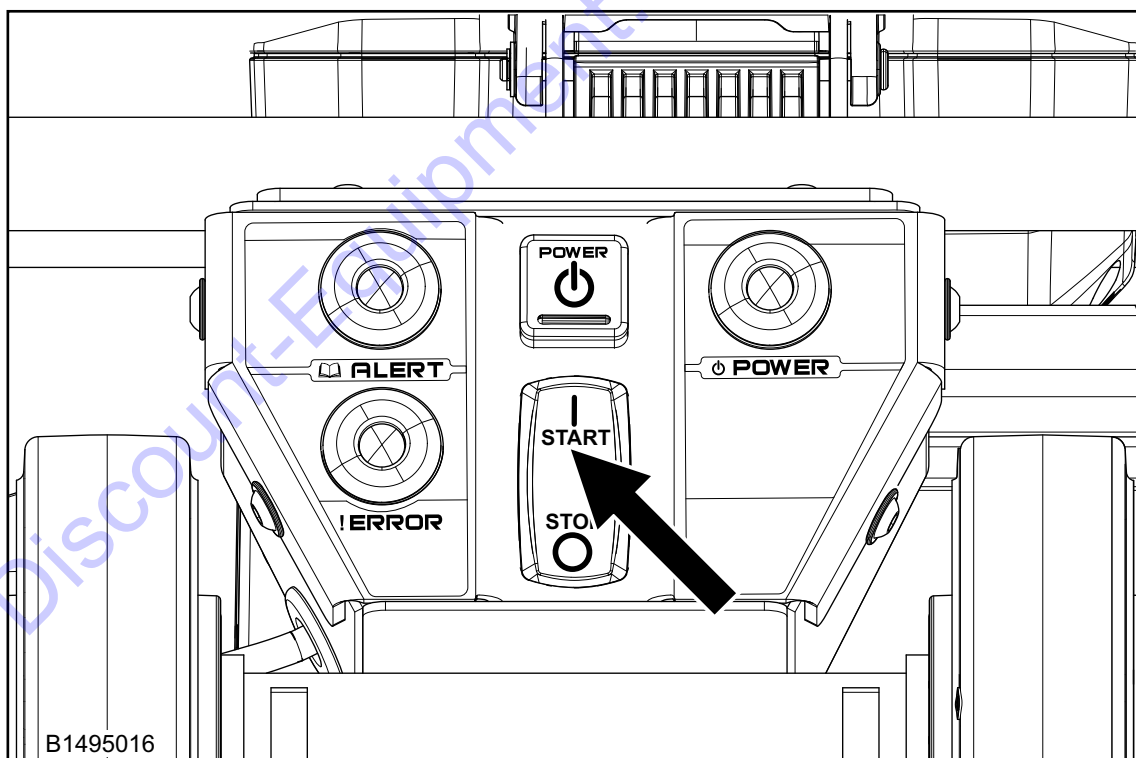
4. Operation

To start the engine, do as follows:

1. Set the engine start/stop switch to "STOP".

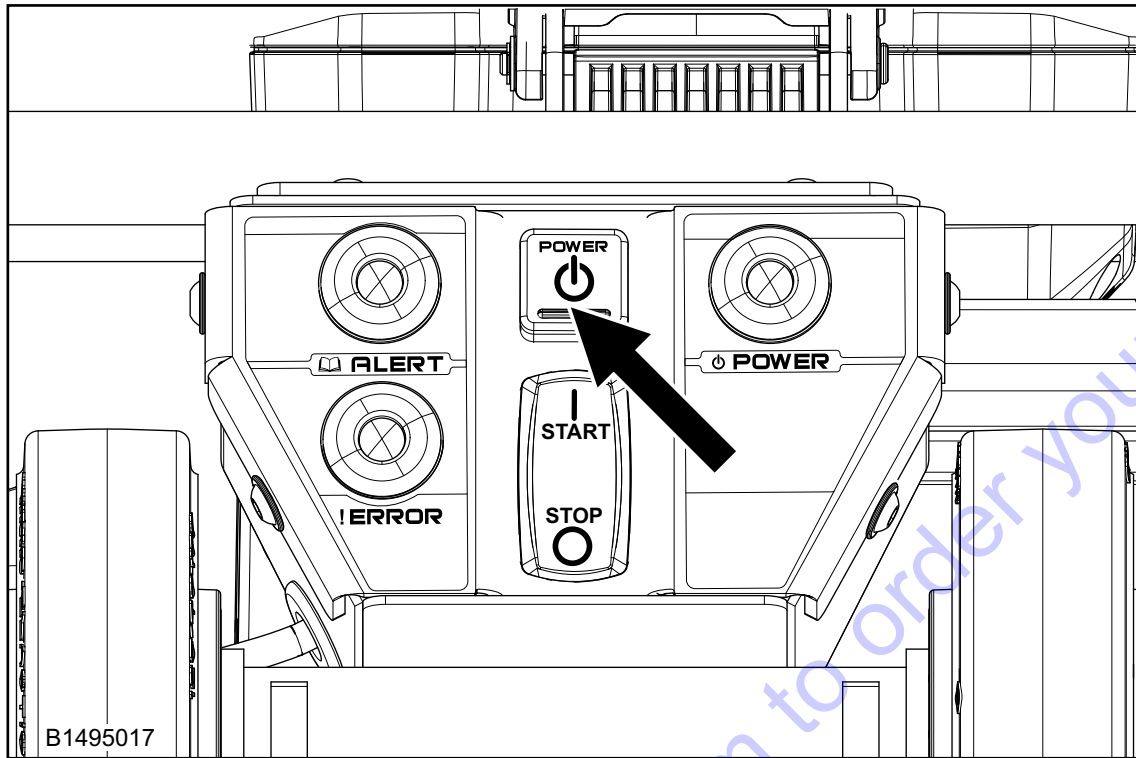


2. Turn on the operating switch.



- ▶ The warning and fault displays light up briefly. The operation display lights up for about 1 minute.
- ▶ The battery charge indicator glows throughout operation.
- ▶ If the start/stop switch is not set to "START" one minute after the operating switch is actuated, the energy supply turns back off. The starting procedure must be done again.

3. Set the start/stop switch to "START".



- ✓ The engine revs up.
- ✓ The machine is ready to operate. Now follow chapter "4.6 Operation" on page 21.

4. Operation

4.5.2 Shut off the engine

WARNING!



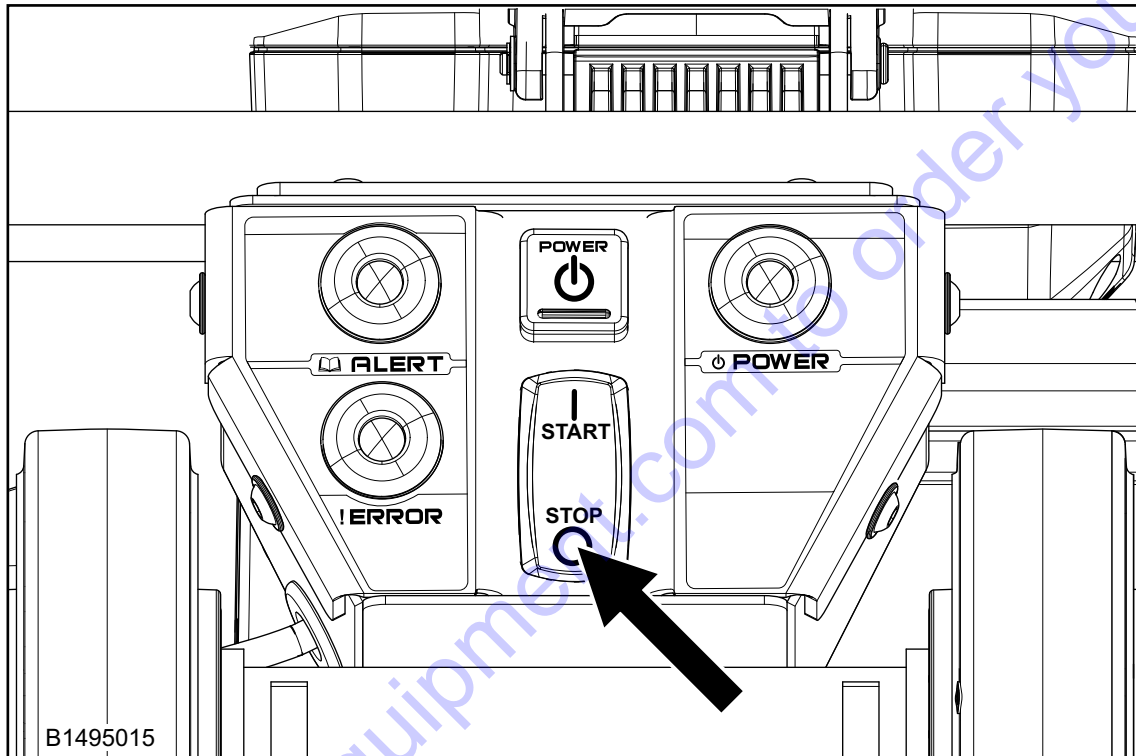
Injury hazard from unauthorized access.

If the machine is left unsupervised with the engine running, unauthorized people can use the machine and injure themselves and others.

- ◆ Shut the machine off after finishing work.
- ◆ During operation interruptions or after finishing work, remove the battery and protect the machine from unauthorized access.

To stop the engine, do as follows:

1. Set the engine start/stop switch to "STOP".



- The engine shuts off.
- ✓ The engine has shut off.

4.6 Operation

! DANGER!**Death hazard from tilting or sliding the machine.**

Slipping material, unstable edges and slippery surfaces can cause the material to tip over. This can cause severe injury or death.

- ◆ Navigate slopes carefully, and always drive upward in a straight direction.
- ◆ Drive up steep slopes backwards to keep from tipping the machine.
- ◆ At ditch edges and terraces, and in front of obstacles, guide the machine so that the machine operator cannot be injured by falling or crushing.
- ◆ When driving the machine backwards, guide the machine sideways to prevent the machine operator from being crushed.
- ◆ Keep adequate distance from trench edges and embankments.
- ◆ Refrain from any manner of working that threatens the machine's stability!
- ◆ Do not move over hard concrete, hardened bitumen surfaces, frozen ground or ground that does not have an adequate load capacity.

! CAUTION!**Accident hazard**

The machine drives off immediately after start-up.

- ◆ *Keep a strong hold on the machine.*

! CAUTION!**Finger pinch hazard**

When folding the drawbar up, fingers can get between the drawbar and safety bar.

- ◆ When inserting, make sure that fingers are not between the drawbar and safety bar.

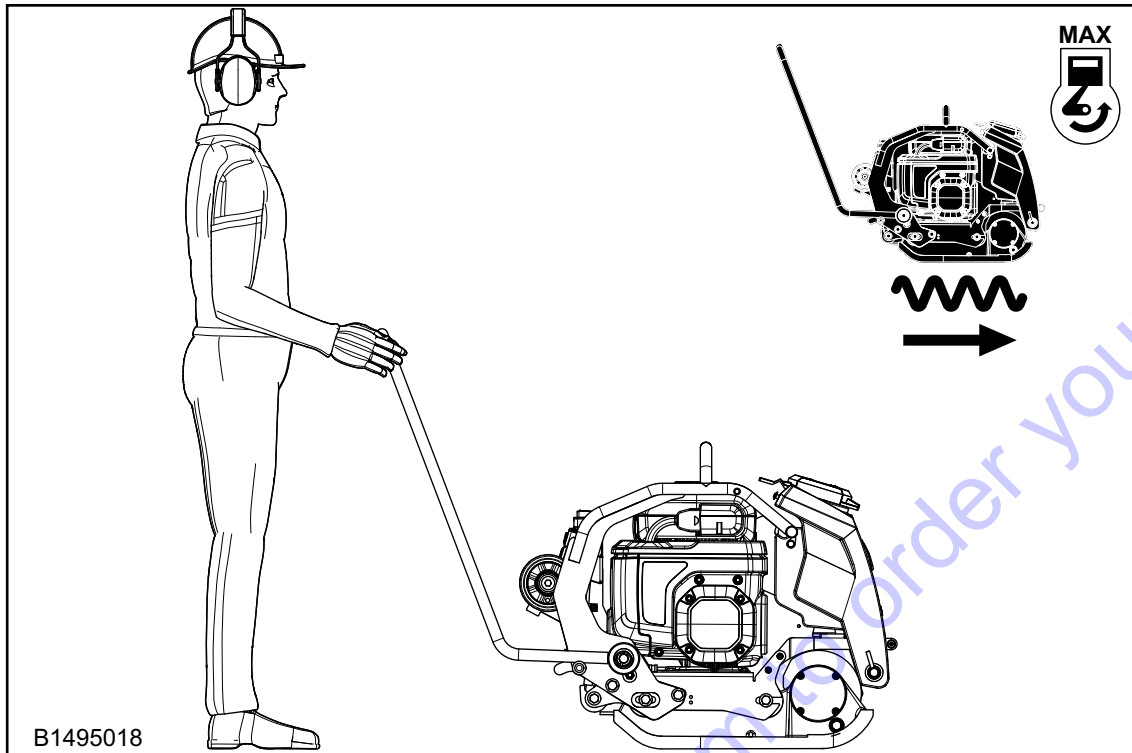
NOTE**Beware of property damage**

- ◆ *When compacting interlocking paving stones, it is recommended that wear-protection plates (optional equipment) be used to prevent damage to the machine and compaction materials.*

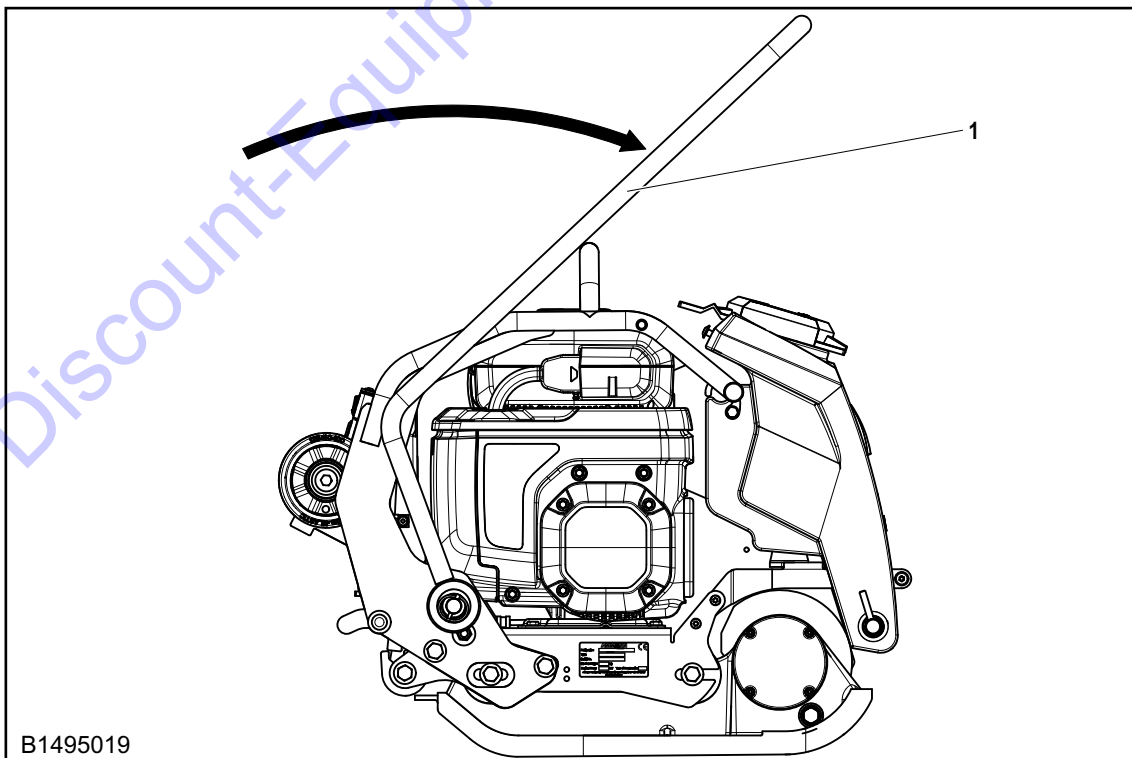
4. Operation

To start working, do the following:

1. Start the engine.

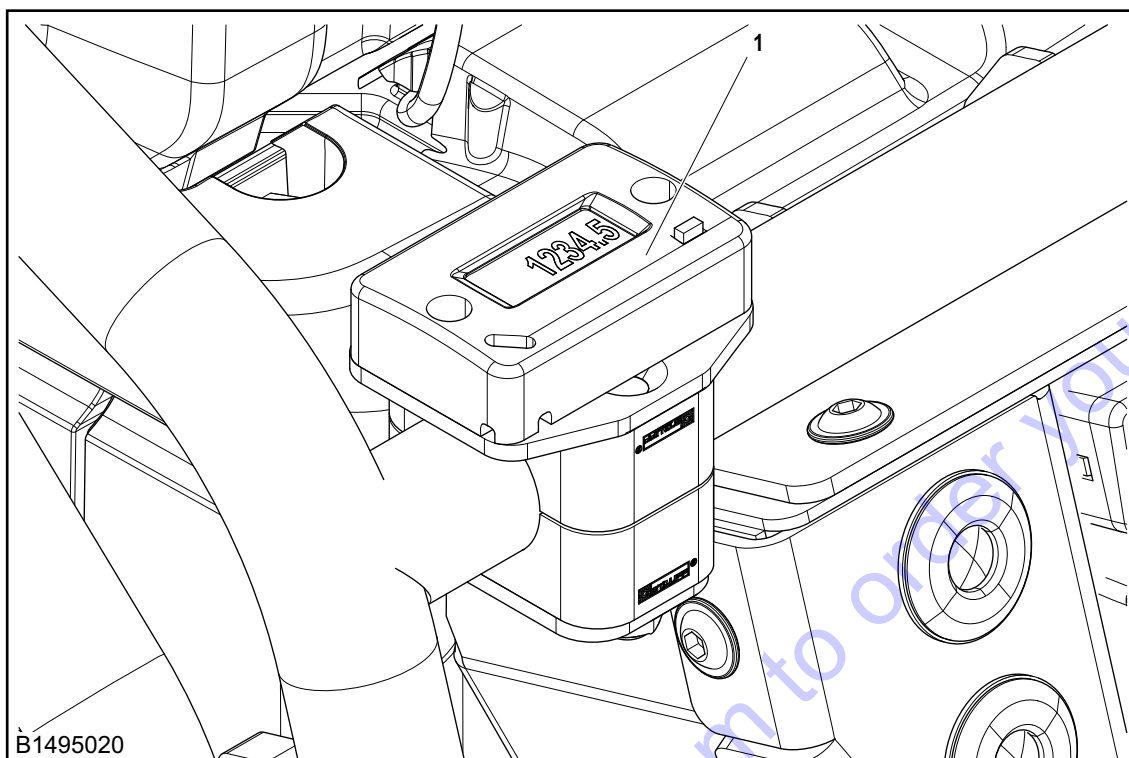


- The proper place for the operator is behind the machine.
2. Guide and steer the machine with the drawbar.
 3. To stop or pause the machine, set the start/stop switch to "STOP".
- The machine stops.
 - The machine shuts off.
4. Protect the machine from unauthorized use. For this, follow chapter "4.4 Decommissioning" on page 16.



5. In tight spaces, the drawbar (1) can be folded forward to the stop.

4.7 Operating hours counter¹⁾

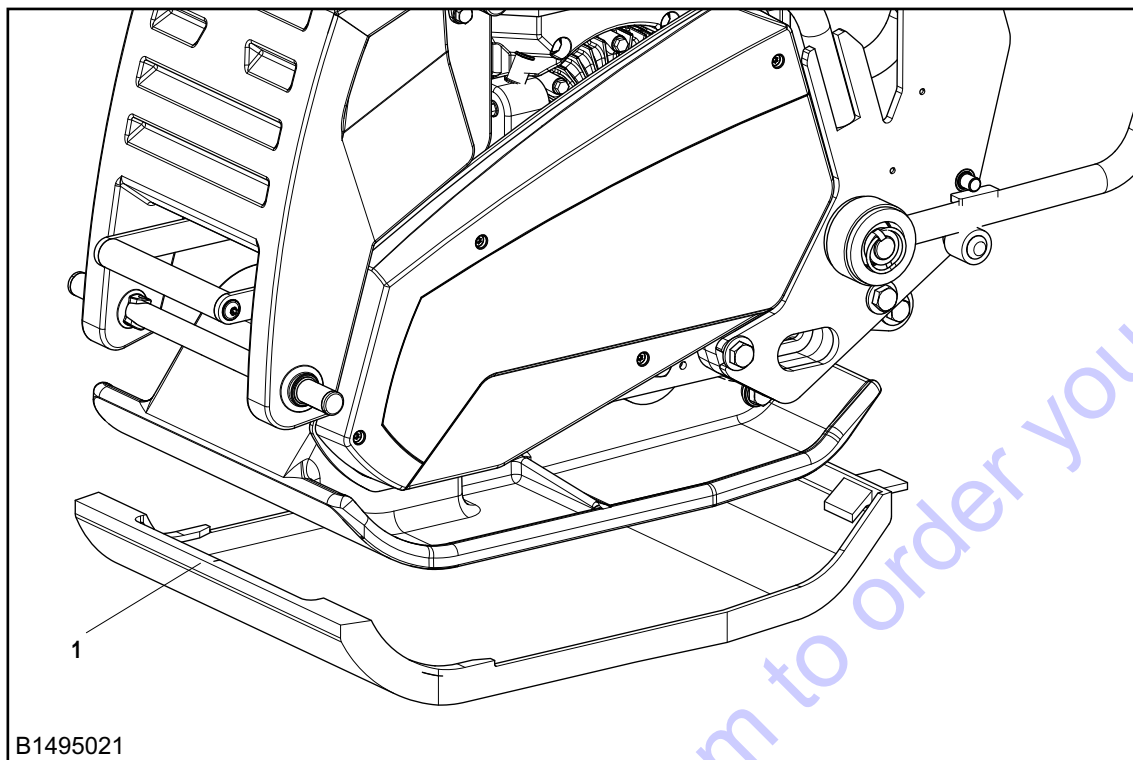


- The operating hours counter (1) can be used to call up several kinds of information
- Whole operating hours.

¹⁾ Special accessories

4. Operation

4.8 Wear-protection plate¹⁾



- When compacting interlocking stone pavement, it is recommended that the wear protection plate (1) be used. This prevents damage to the machine and compaction material.
- The plate can be installed without tools.

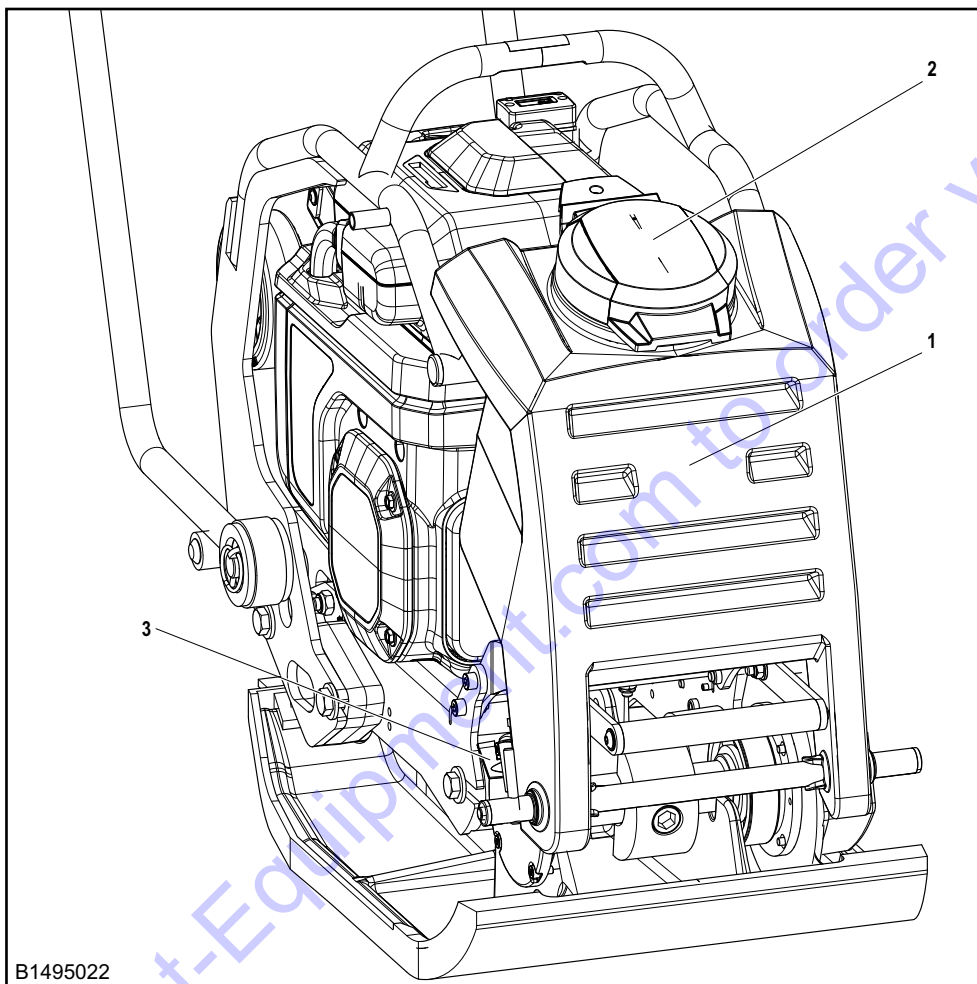
¹⁾ Special accessories

4.9 Water sprinkler¹⁾

NOTE

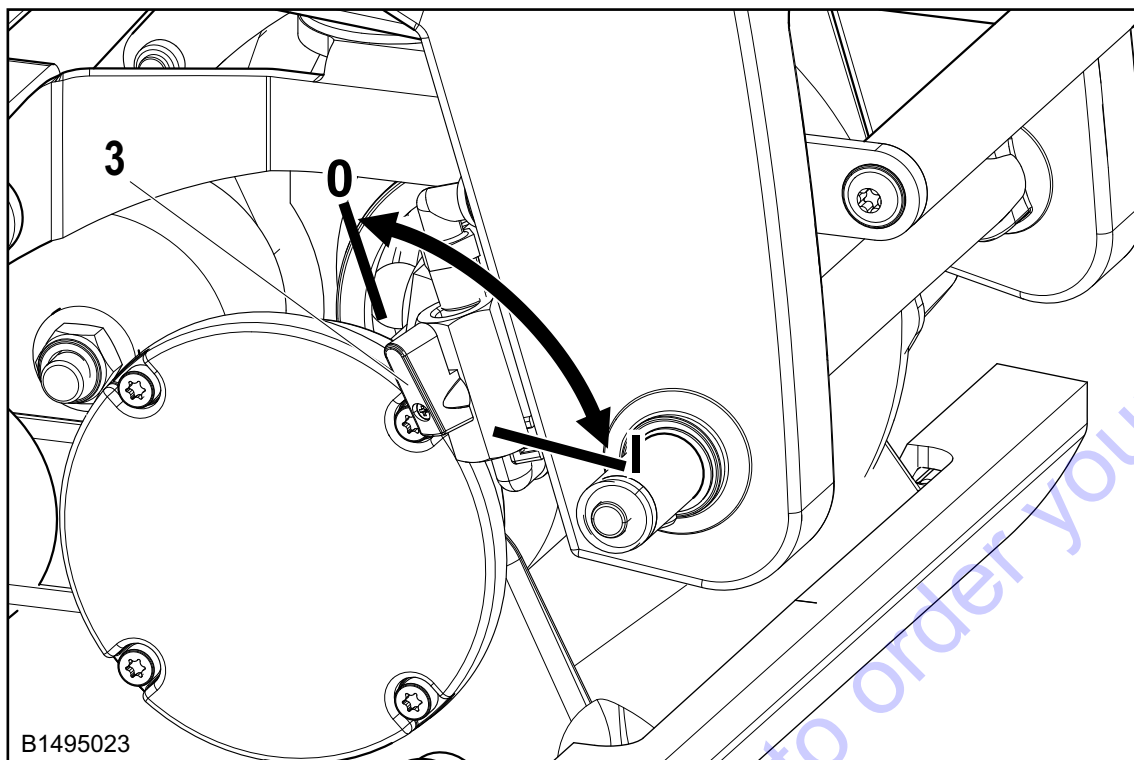
**Beware of property damage**

- ♦ Fill the water tank only with water or antifreeze mixture.
- ♦ If there is danger of freezing, empty the water sprinkler or fill it with antifreeze mixture.



- Fill the water tank (1) through the tank opening (2).

4. Operation



- Turn the tap **(3)**.
Position "0" = OFF
Position "I" = ON

¹⁾ Special accessories



INFORMATION ON DOCUMENTATION

This manual lists only the daily tasks. Follow the operating manuals of the battery and charger, including all instructions, warnings and technical data.

NOTE



Read and follow the original operating manuals for the engine, battery and charger.

⚠ DANGER!



Failure to observe the following instructions can result in death, injury or property damage.

Failure to observe the following instructions can result in overheating, fire, bursting, explosion or electric shock.



- ◆ Never not allow the battery and charger to be struck or fall.
- ◆ Never dismantle, modify or repair the battery or charger.
- ◆ Do not touch the battery contacts with conductive material (such as metal).
- ◆ Never let the battery's contacts come into contact with water.
- ◆ Never place objects on the battery, charger or power cable.
- ◆ Never let the battery or charger come into contact with water.
- ◆ If there is an unusual smell or fluid escapes, immediately stop using the battery, remove it from the device and contact the specialized dealer.
- ◆ Use only the specified battery and charger for charging.

⚠ DANGER!



Death, injury or property damage may occur

A short circuit on the battery can cause burns or fire. This can cause severe injury or death.



- ◆ If fire occurs, stop operation immediately and extinguish it with dry chemicals, sand, carbon dioxide or a suitable foam.
- ◆ Call the fire department.

⚠ DANGER!



There is a death or injury hazard when using the charger for people with electronic medical devices, such as heart pacemakers or implanted cardio-defibrillators.

During charging, the electromagnetic radiation produced can hinder operation of the electronic medical devices, which can cause severe injury or death.



- ◆ Before using the charger, people with electronic medical devices should contact their doctor or the manufacturer of the electronic medical device regarding the effects of charging.



IMPORTANT INFORMATION

- ◆ Protect cable from heat, cold, moisture and other physical or chemical effects.
- ◆ Never abuse the cable, such as by pulling or lifting from machines.
- ◆ Protect cable from sharp objects or edges.
- ◆ Never place objects on the cable.
- ◆ For disconnecting cable plug connections:
 - Never pull on the cable.
 - When removing, grasp the plug directly.
- ◆ Protect the plug from moisture.



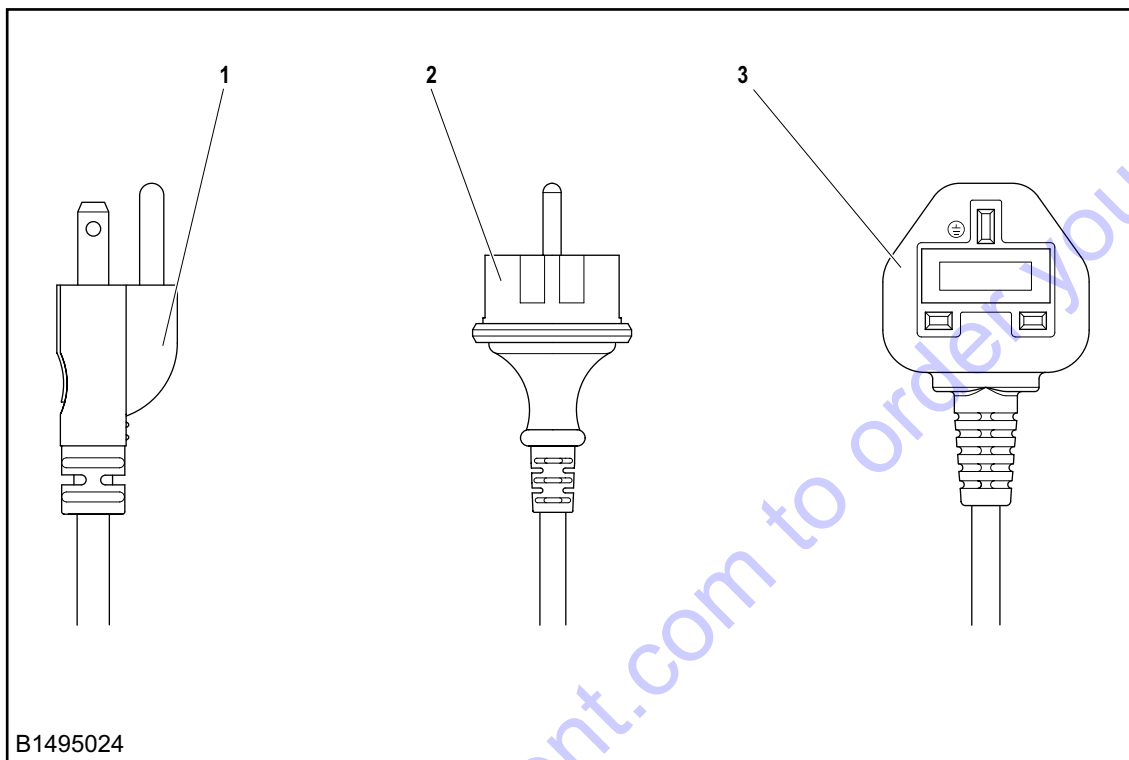
IMPORTANT INFORMATION

- ◆ For charging, use only Honda type DP72104Z lithium-ion batteries.
 - The battery voltage must match the charger's battery charging voltage

5. Battery and charger

Overview of power source

Model	Source of current
For North America	120 V AC
For the EU and Switzerland	230 V AC
For the United Kingdom	240 V AC

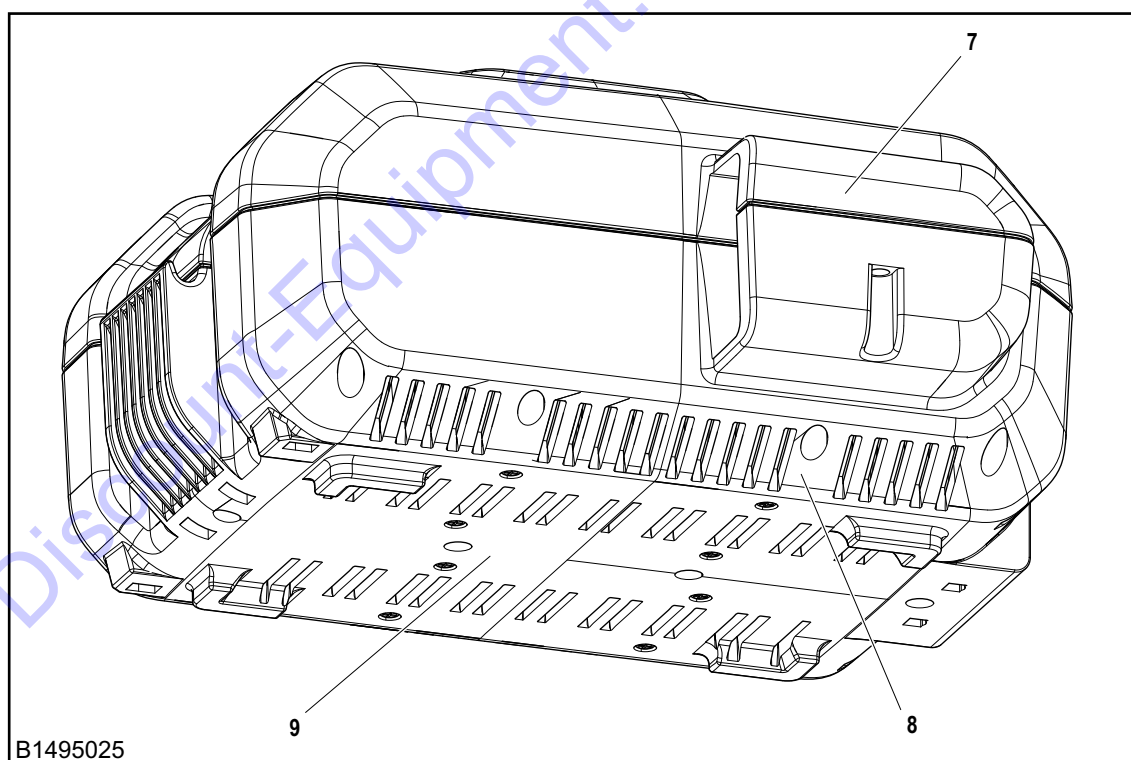
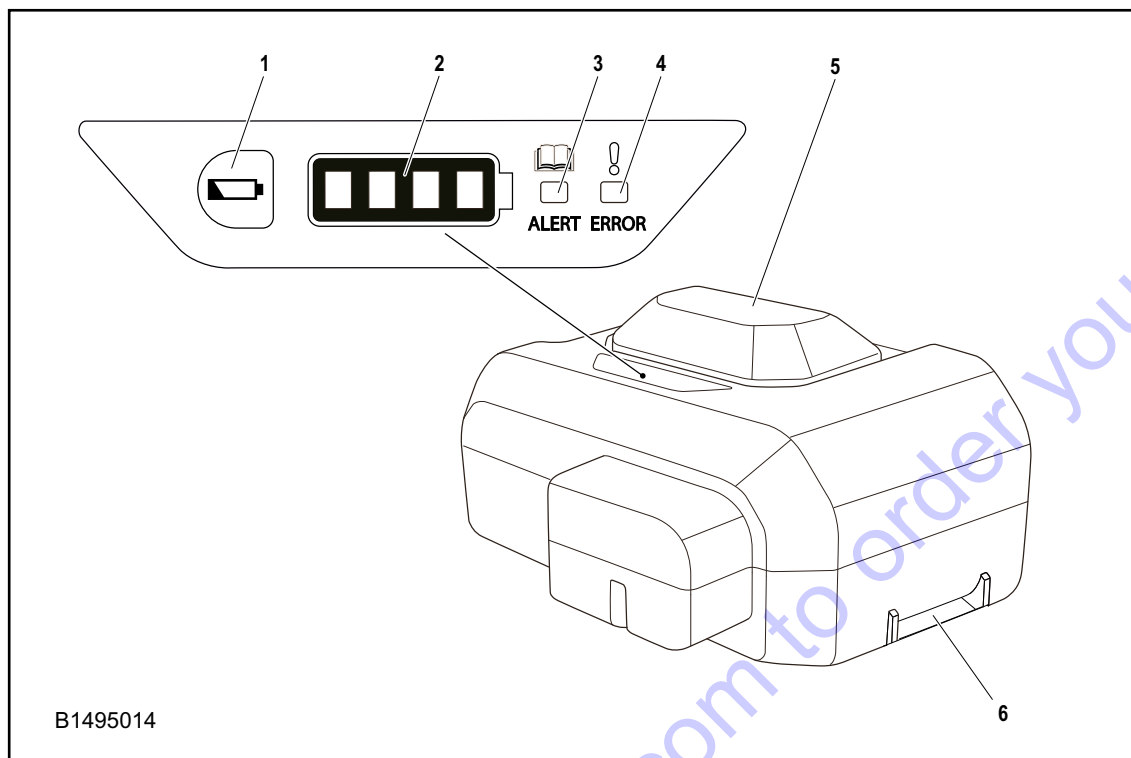


- 1 Power plug for North America
- 2 Power plug for Europe

- 3 Power plug for the United Kingdom

5.1 Charging the battery

5.1.1 Battery overview

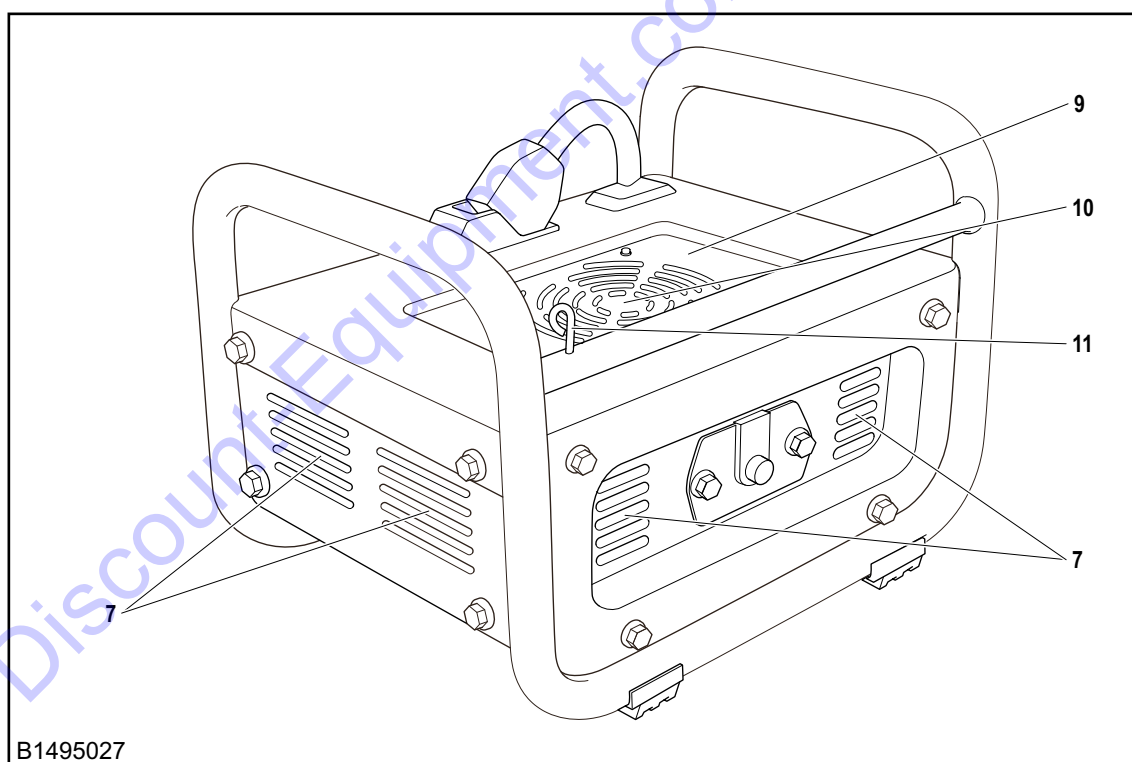
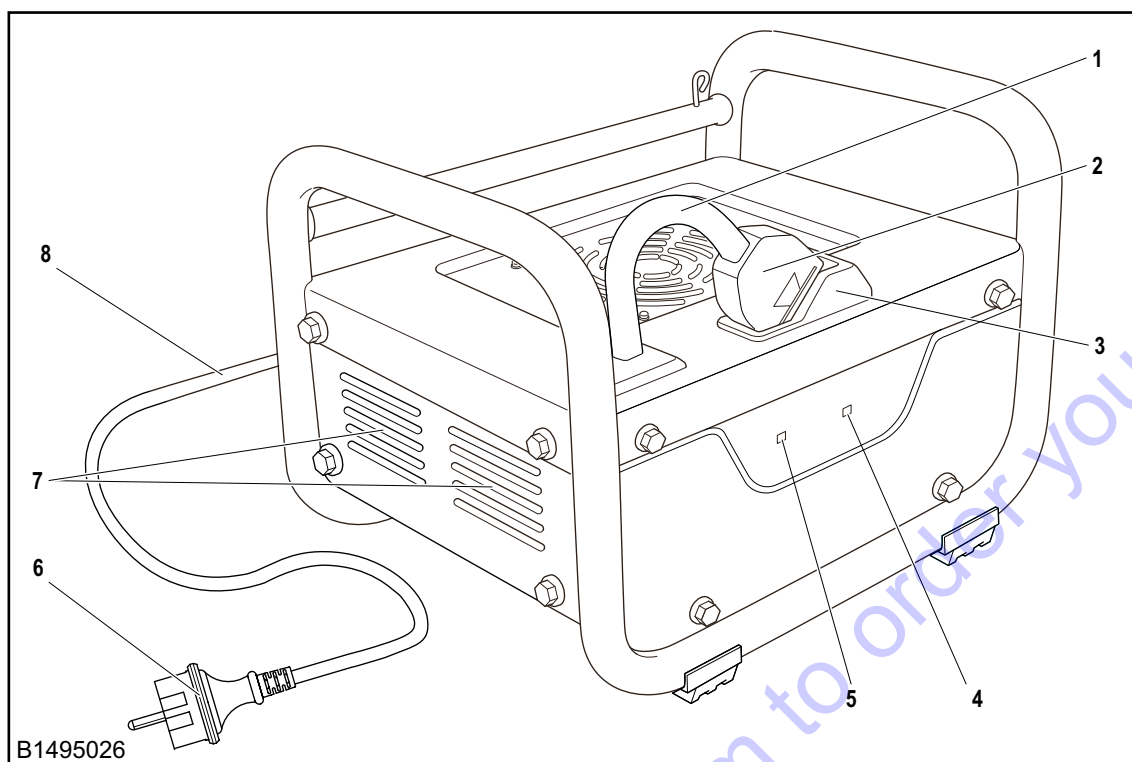


- 1 Test button for charge status
- 2 Charge status
- 3 Warning display
- 4 Fault display
- 5 Grip

- 6 Battery clamp
- 7 Battery socket
- 8 Air inlet
- 9 Air outlet

5. Battery and charger

5.1.2 Charger overview



- 1 Charging cable
- 2 Charging plug
- 3 Charging plug holder
- 4 Fault display
- 5 Operation display
- 6 Power plug

- 7 Air outlet
- 8 Power cable
- 9 Recess for battery
- 10 Air inlet
- 11 Power plug holder

5.1.3 Charging time

- It takes about 1 hour to charge the battery to 80%.
- It takes about 1.5 hours to charge the battery to 100%.
 - Charging time depends on the temperature of the battery.

5.1.4 Charging temperature range

- The charging temperature range is between 5°C and 30°C.

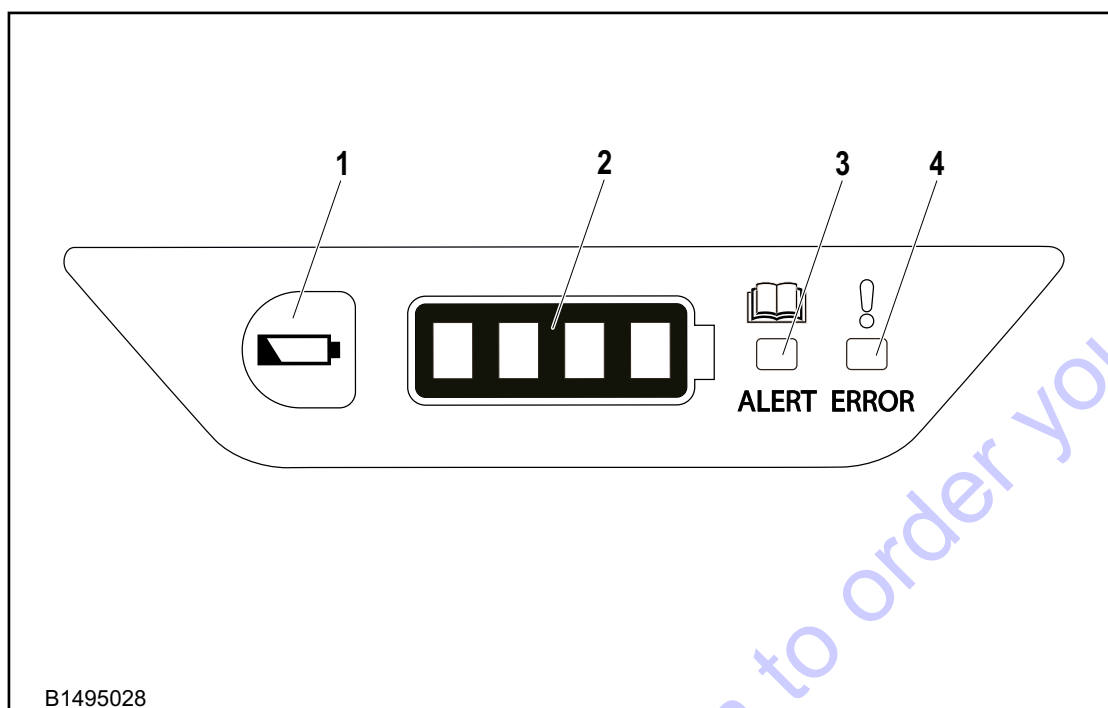
5.1.5 Charge capacity

- Wear to the battery decreases the operation time and charge capacity.
- Repeated charging and discharging deteriorates the battery.
- With a deteriorated battery, the full charge capacity cannot be restored.

5. Battery and charger

5.1.6 Checking the battery charge status during charging





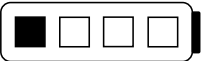





To check the battery charge status, do as follows:



► The charge status indicator (2) lights up or flashes during operation.

1. Read the charge status from the charge status indicator display.

✓ Charge status checked.


Display	Charge status	
	Fully charged	
	<div>High</div>  <div>Low</div>	Charge the battery.
		
		
		
	The charging process has stopped.	
 = Flashes  = On  = Off		

5.1.7 Setting up the charger

To safely set up the charger, be sure:

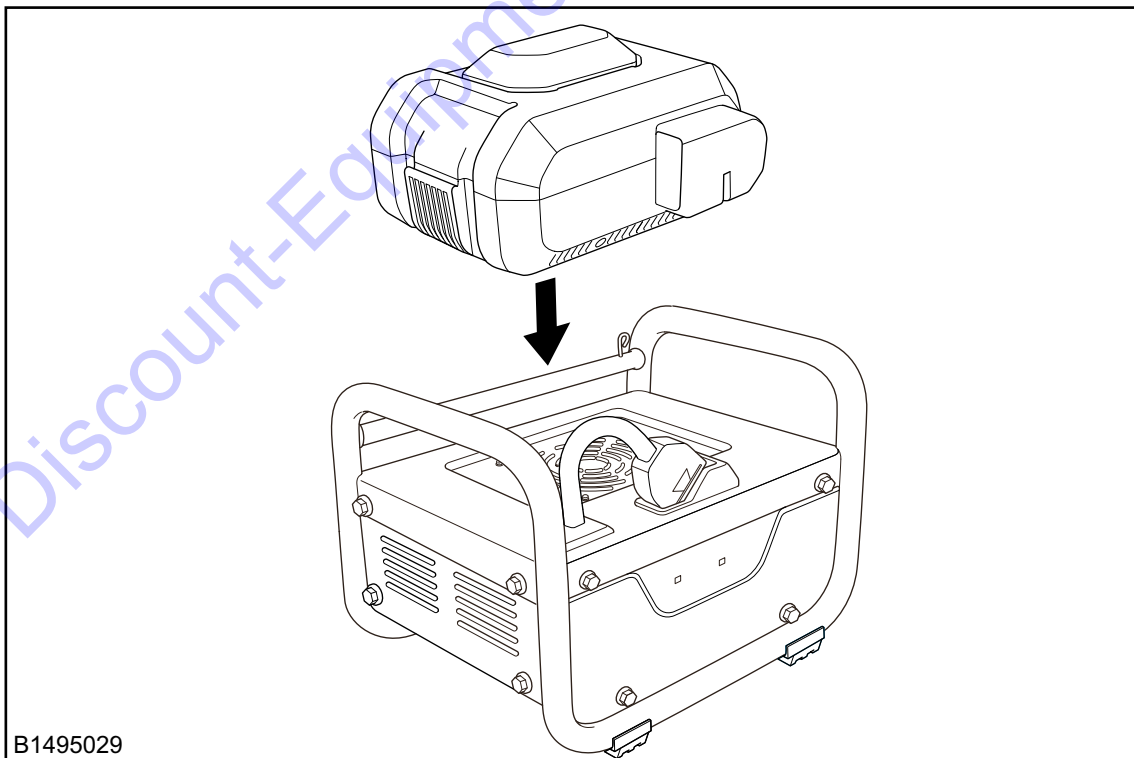
- The charger stands stably and securely.
- There is always at least 50 mm of space between the charger and a wall.
- No combustible gas or material is present.
- The setup location is neither too hot or too cold (such as no heat sources nearby, no direct sunlight).
- The air humidity is not high at the setup location.

5.1.8 Charging process

NOTE	
	Beware of property damage <ul style="list-style-type: none"> ♦ If the battery isn't seated properly, strong heat can build up during the charging process. So that the temperature protection function triggers and the charging process stops.

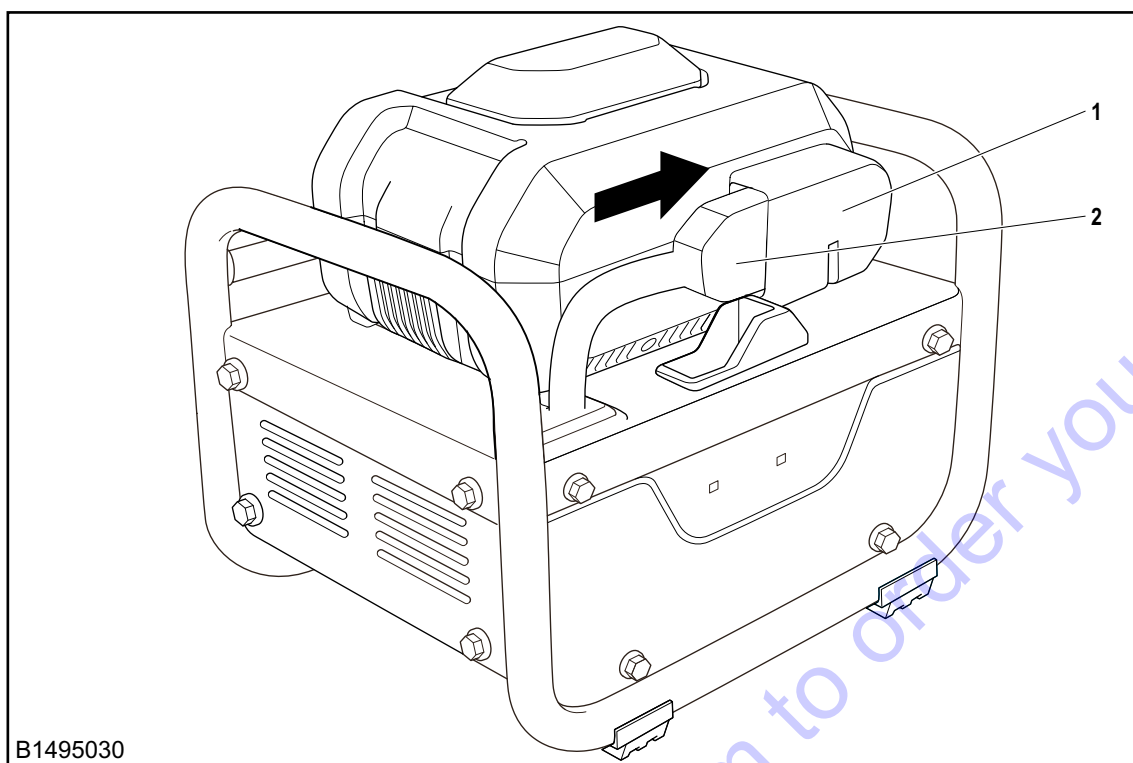
To safely operate the charger, be sure:

- **i NOTE:** Before the charging process, observe the safety instructions.
- To start the battery charging process, do as follows:
 1. Check that:
 - There are no foreign objects or dirt in the inlet and outlet opening of the battery and charger.
 - There are no foreign objects or dirt in the charging plug or battery socket.
 - The charging cable, power cable and the battery to be charged are not damaged.
 - The socket is not defective, damaged or loose.
 2. Fully unwind the power cable.
 3. Insert the power plug completely into the socket.
 - The charger's operation display lights up for about 1 minute.
 4. Insert the battery into the gap in the middle of the charger.

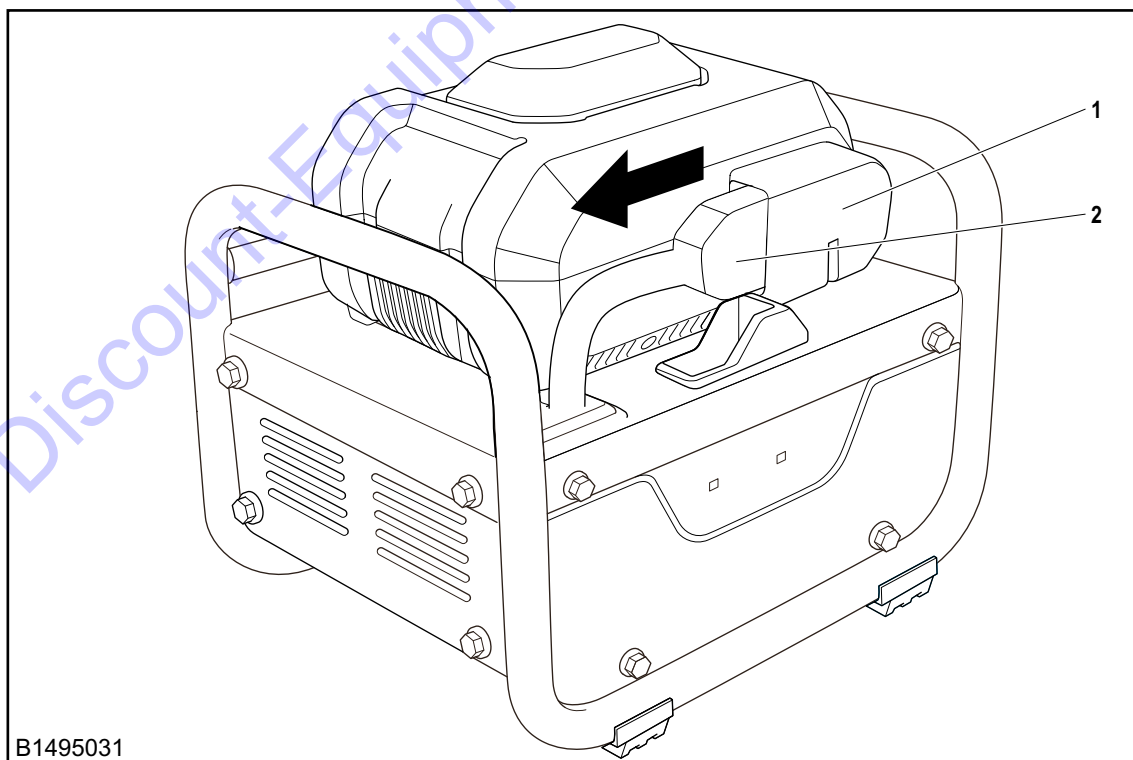


5. Battery and charger

5. Connect the charging plug (2) with the battery socket (1).

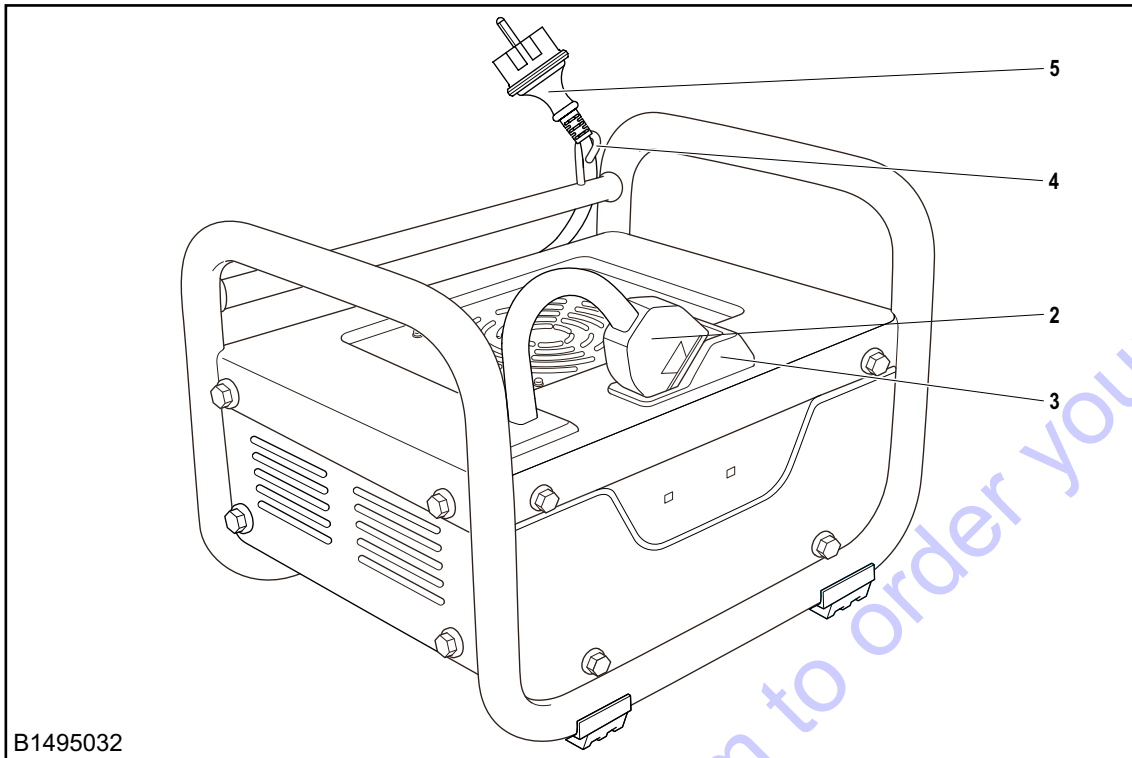


- ▶ All displays on the battery charger and battery light up for about 1 second. The operation display stays lighted as long as the device is turned on.
 - ✓ The charging process starts automatically.
 - ▶ The charge status indicator (2) on the battery glows or flashes depending on the charge status.
 - ▶ As soon as the charge status indicator on the battery goes out, the battery is fully charged.
6. Pull the charging plug (2) from the battery socket (1).



7. Pull the power plug (5) from the socket.

8. Insert the charging plug (2) and power plug (5) back in their mounting (3) (4).

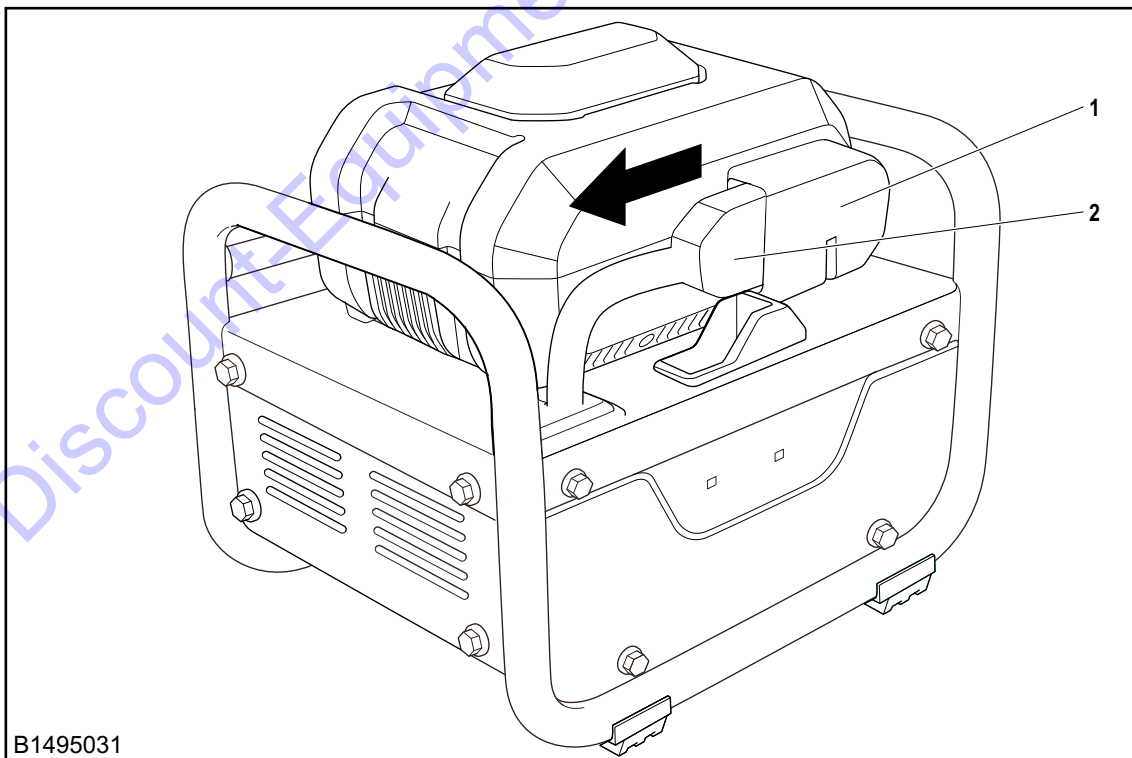


- ✓ Charging process completed.

5.1.9 Stopping the charging process

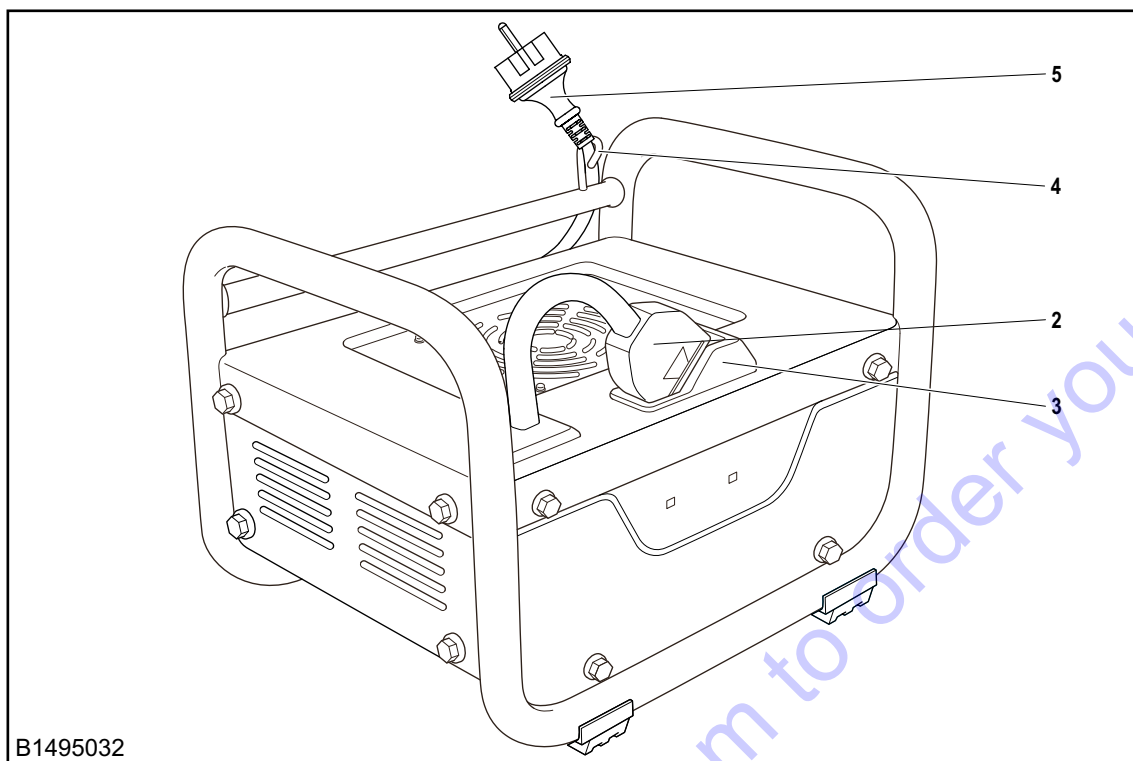
To stop the battery charging process, do as follows:

1. Disconnect the charging plug (2) from the battery socket (1).



5. Battery and charger

2. Pull the power plug (5) from the socket.
3. Insert the charging plug (2) and power plug (5) back in their mounting (3) (4).



- ✓ Charging process stopped

5.2 Inserting and removing the battery

⚠ CAUTION!

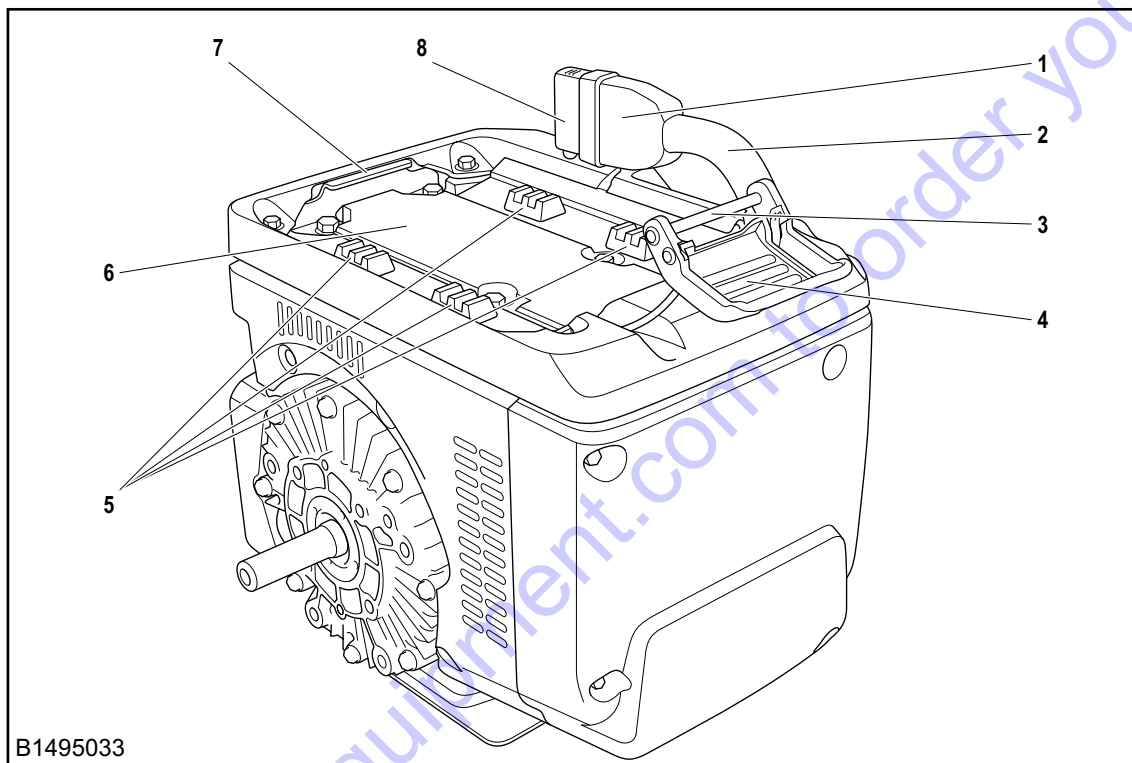


Finger pinch hazard

When inserting the battery, fingers can get between the battery and engine mount.

- ♦ When inserting, make sure that fingers are not between the battery and engine.

5.2.1 Engine overview

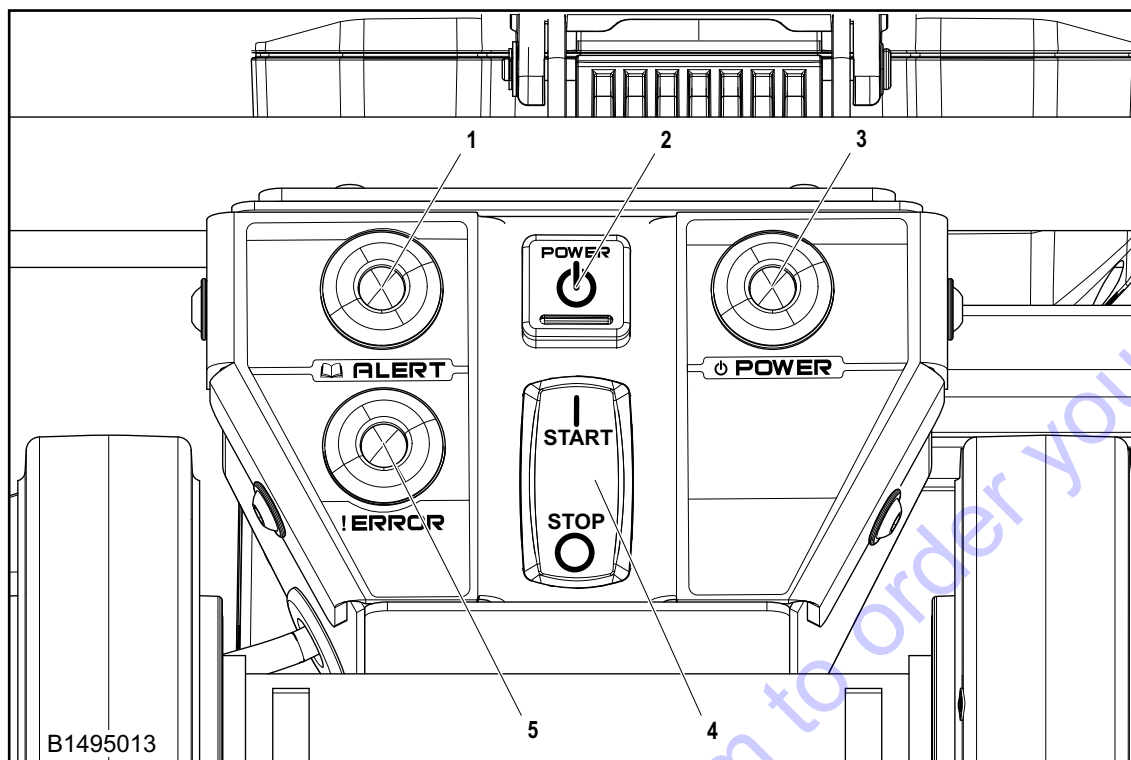


- 1 Battery plug
- 2 Battery cable
- 3 Battery attachment
- 4 Battery attachment lever

- 5 Rubber support
- 6 Battery holder
- 7 Battery hook
- 8 Battery plug safety cap

5. Battery and charger

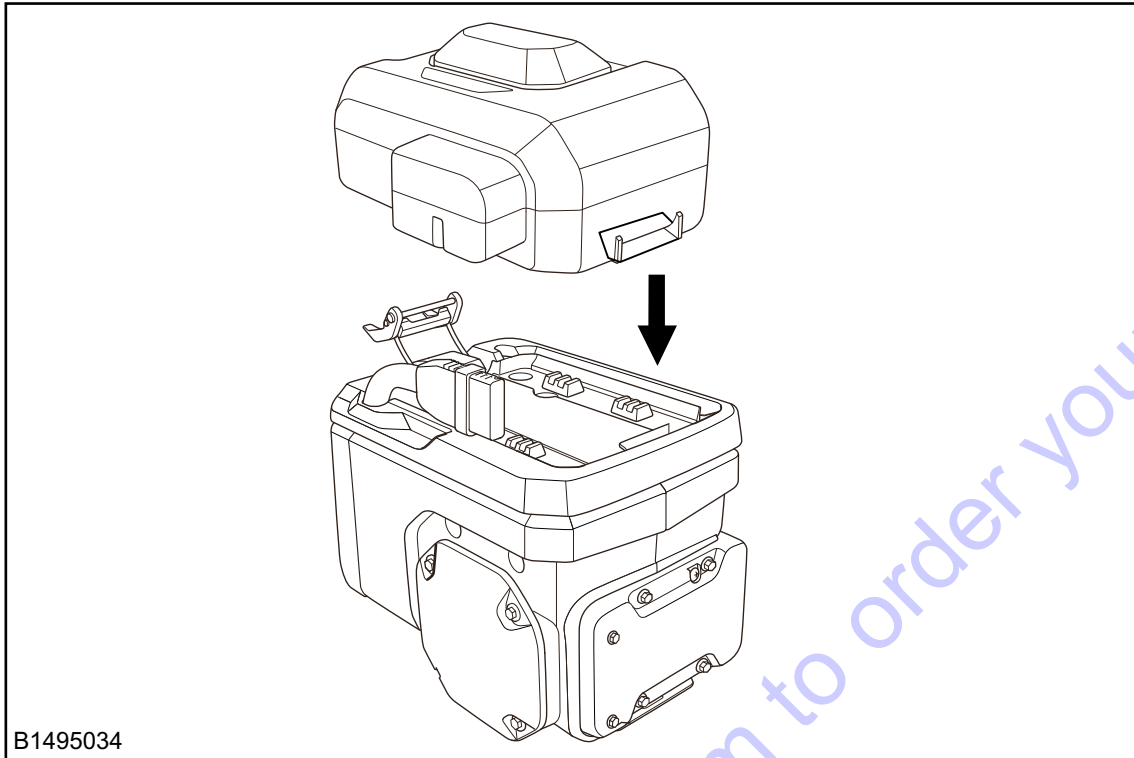
5.2.2 Operating panel overview



- 1 Warning display
- 2 On switch
- 3 Operation display

- 4 Start/stop switch
- 5 Fault display

5.2.3 Inserting the battery



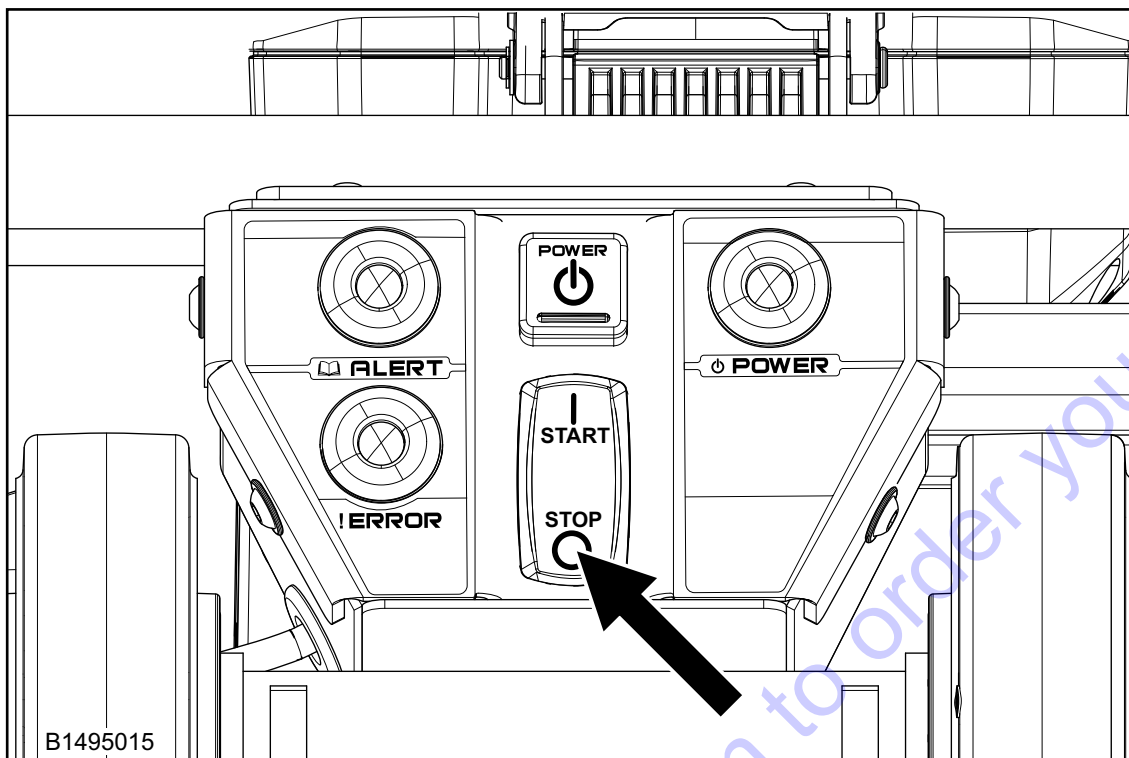
To insert the battery, do as follows:

1. Check that:

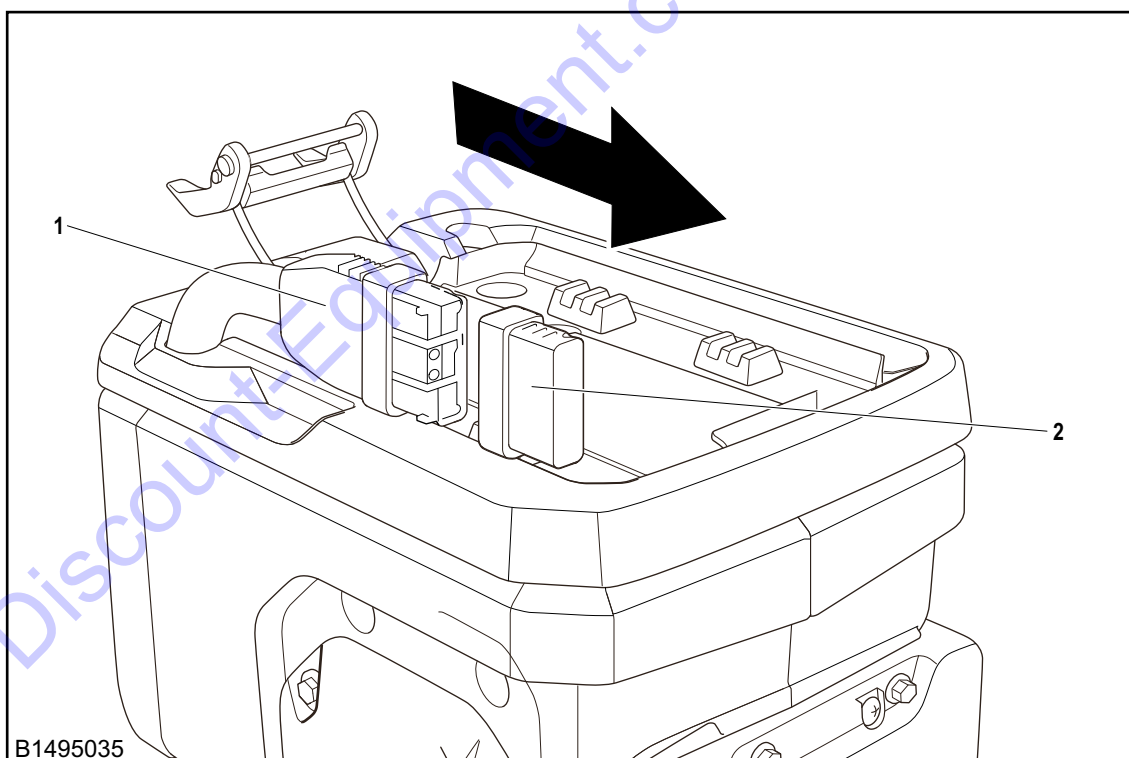
- The exterior cover is not damaged.
- The switches are not damaged.
- The rubber supports are not damaged.
- The battery hook is not loose or damaged.
- The battery attachment is not damaged.
- The battery socket is not damaged.
- The battery plug is not damaged.
- The engine wiring harness is not damaged.
- That there are no deposits or dirt on the battery.

5. Battery and charger

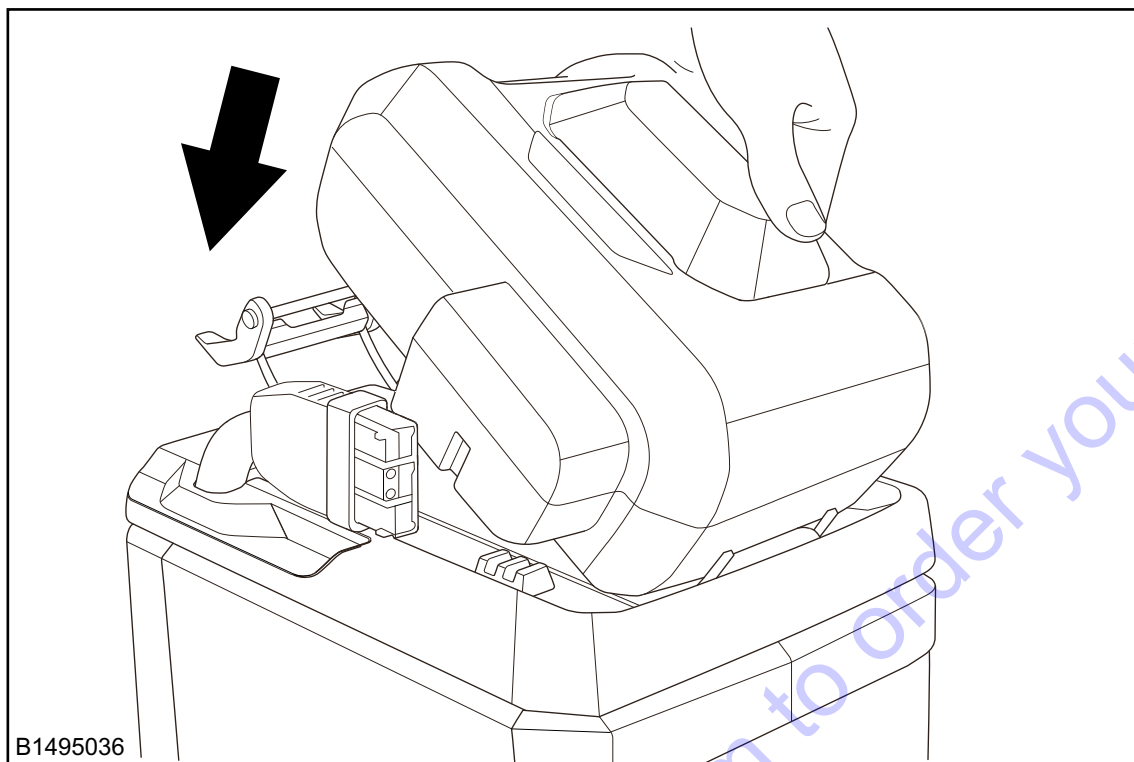
2. Set the engine start/stop switch to "STOP".



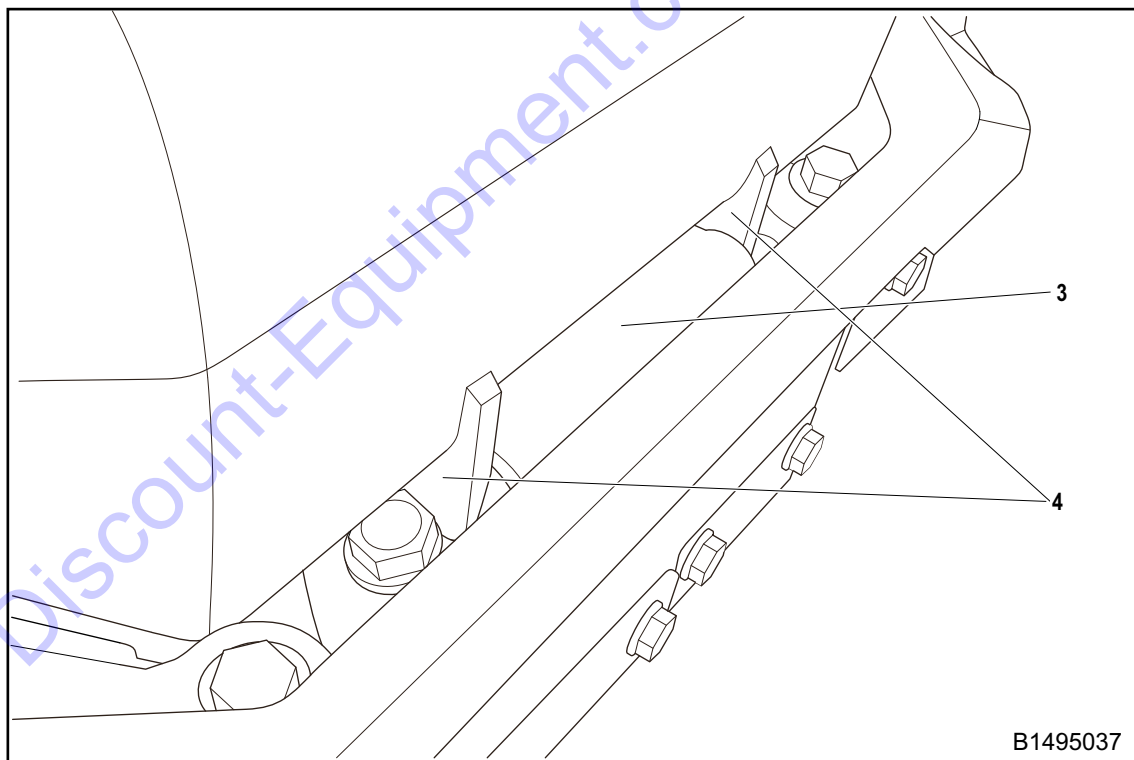
3. Pull the safety cap (2) from the battery plug (1) and safely store it.



4. Tilt the battery and press it down.

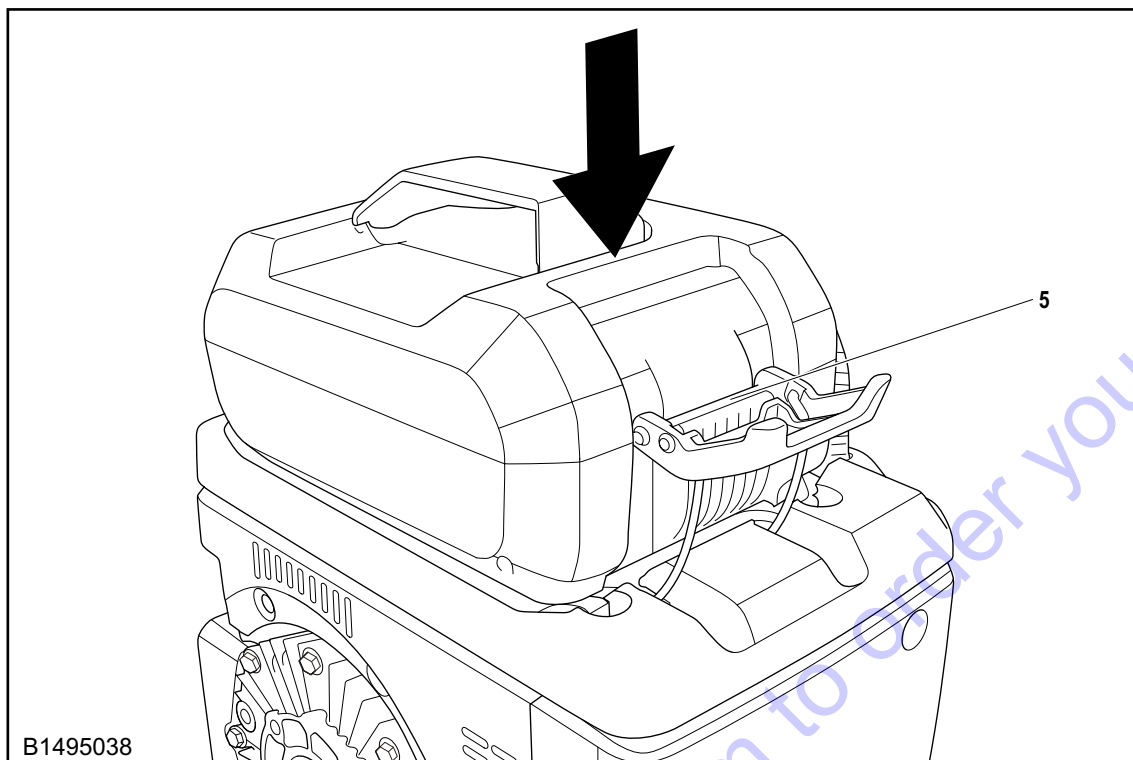


5. Hook the battery clamp (3) into the battery hook (4).

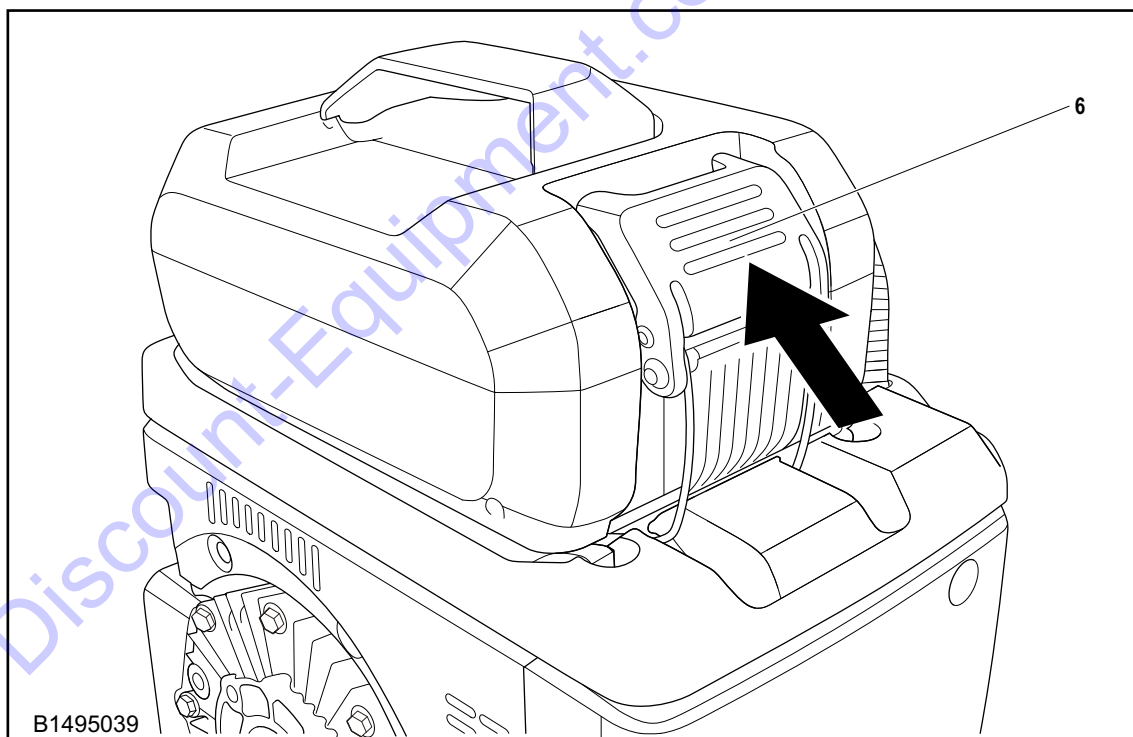


5. Battery and charger

6. Hook in the battery attachment (5).

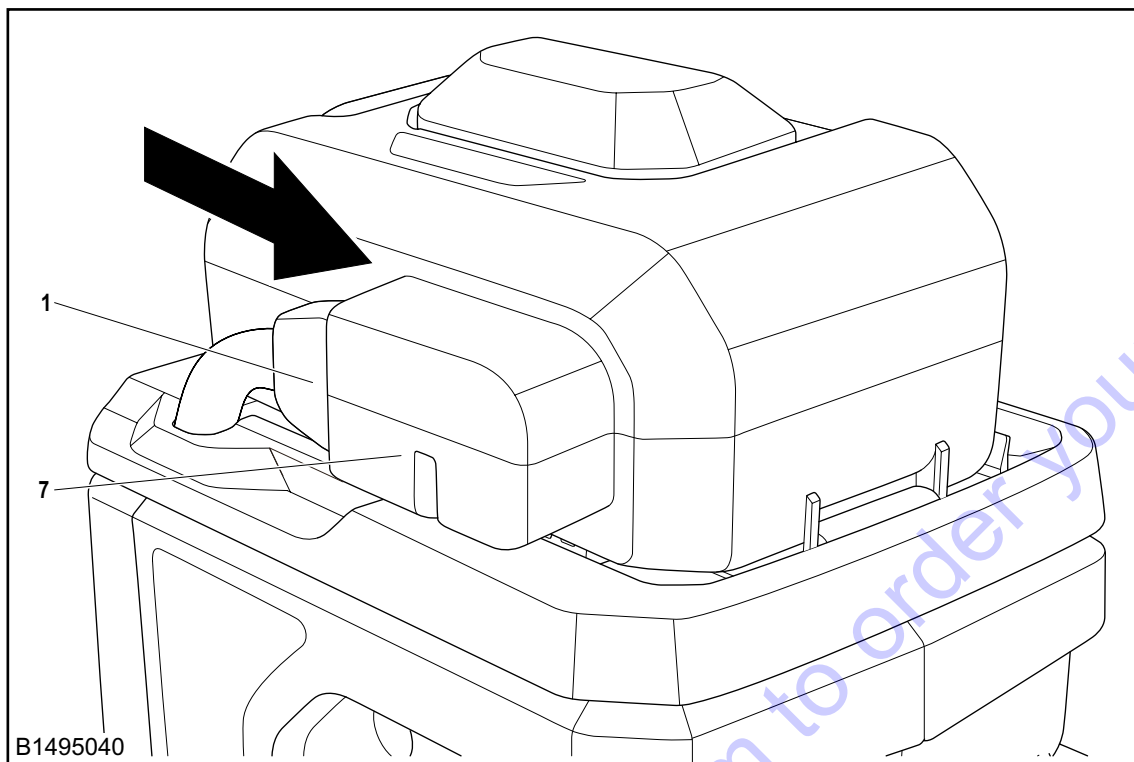


7. Press the battery fastening lever (6) upward and lock the battery.



- Be sure not to pinch any fingers.

8. Connect the battery plug (1) to the battery socket (7).



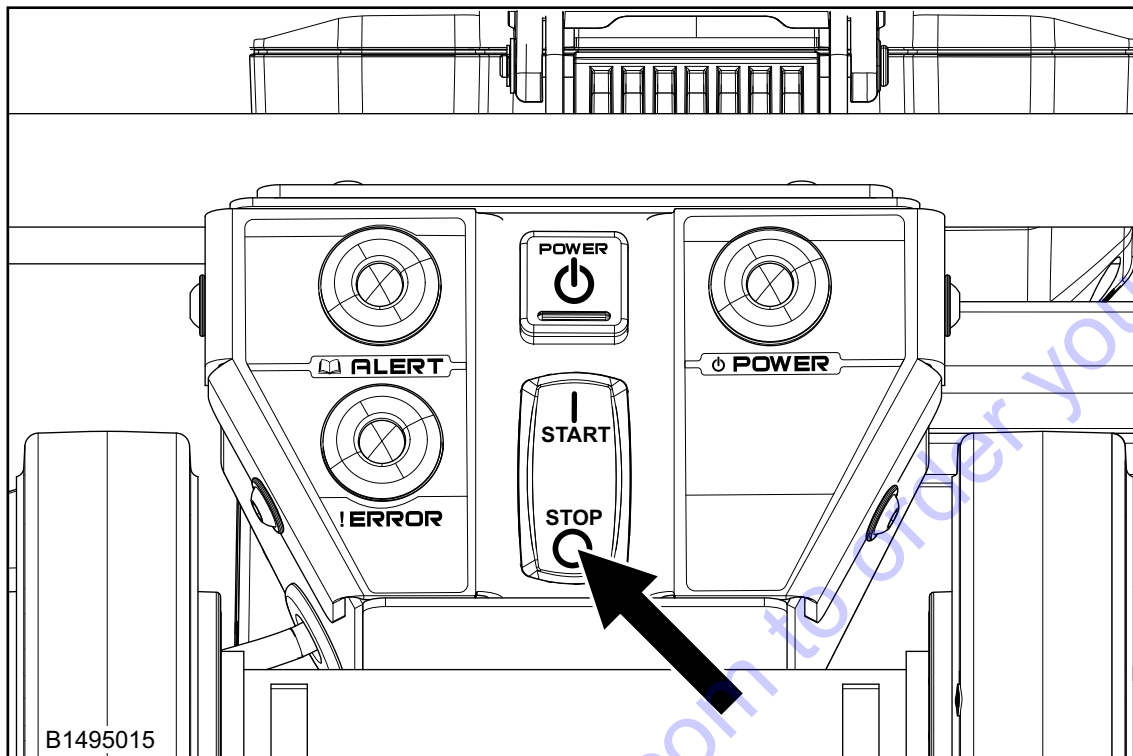
- ✓ The battery is inserted and ready to operate. Continue with chapter "4.3 Before commissioning" auf Seite 14.

5. Battery and charger

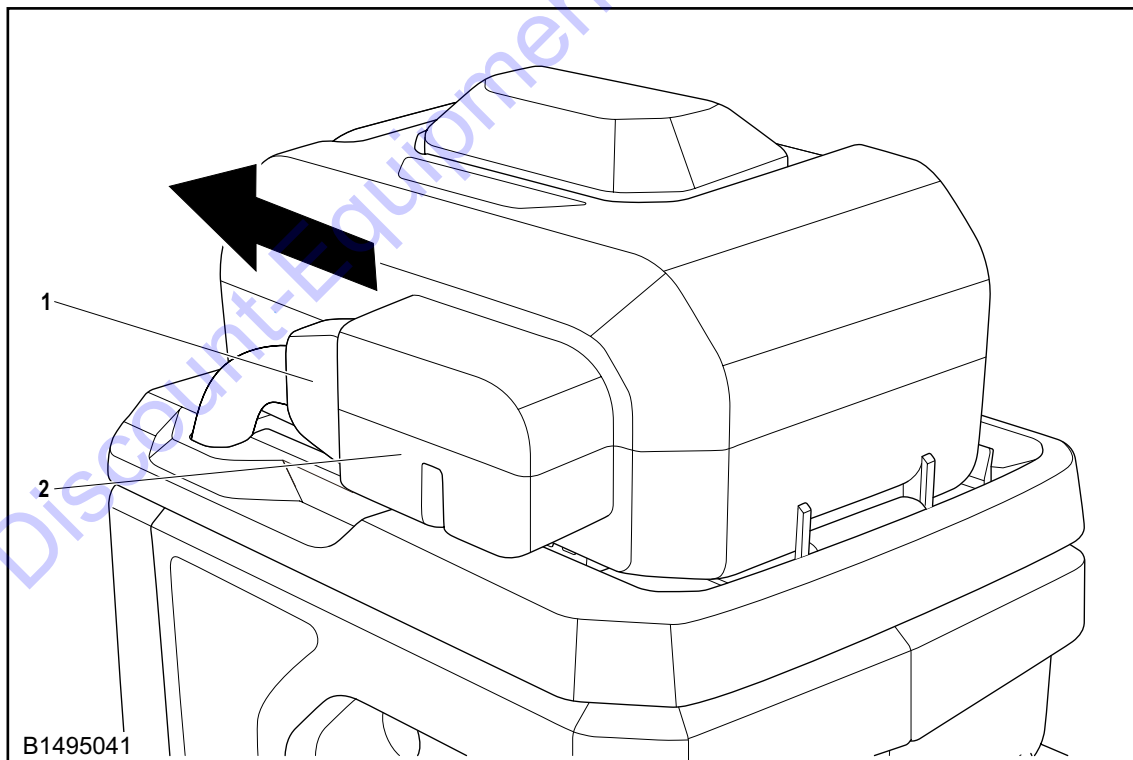
5.2.4 Removing the battery

To remove the battery, do as follows:

1. Set the engine start/stop switch to "STOP".

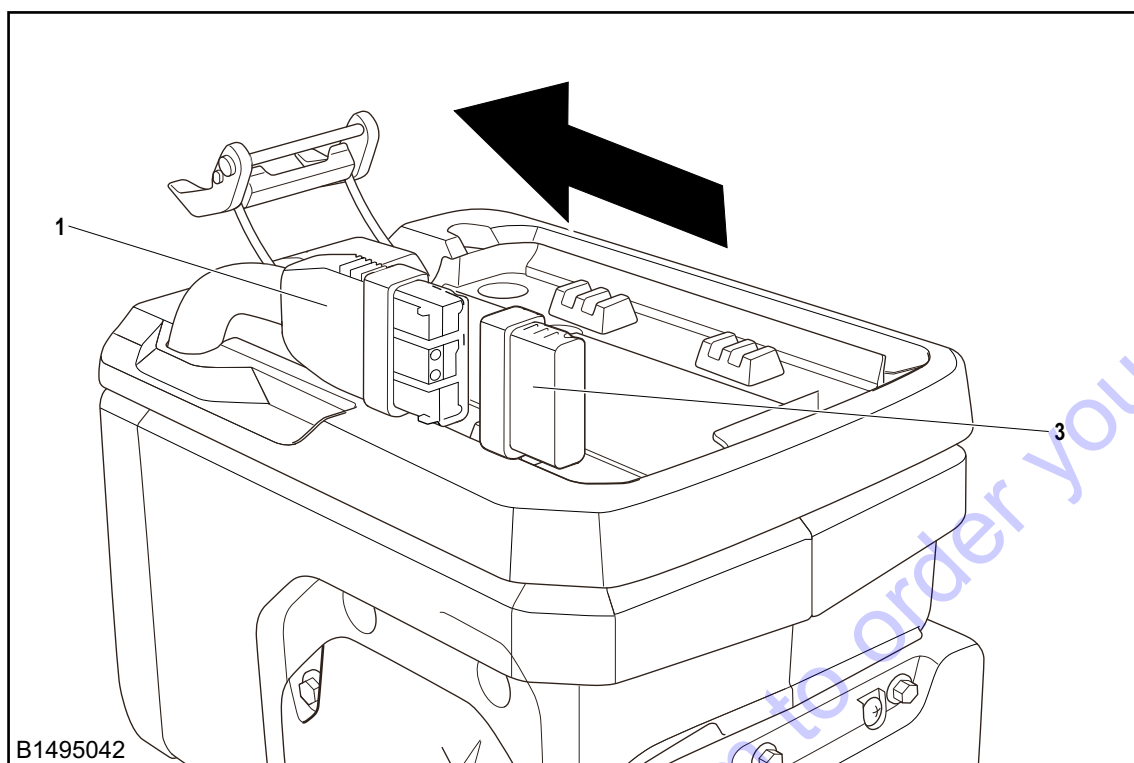


2. Pull the battery plug of the power cable (1) out of the battery socket (2).



3. Pull the battery attachment to unlock.
4. Tilt the battery upward.
5. Pull the battery claws out of the battery hook and remove the battery.

6. Put the safety cap (3) on the power cable plug (1).




- ✓ The battery has been removed.

5. Battery and charger

5.3 Cleaning


5.3.1 Cleaning the battery

NOTE	
	<p>Beware of property damage Water penetrating into the components can cause a malfunction.</p> <ul style="list-style-type: none">♦ During cleaning, never use a hose or high-pressure cleaner.

To clean the battery, do as follows:

1. Remove the battery from the device.
2. Wipe the battery with a clean, dry cloth.



5.3.2 Cleaning the charger

NOTE	
	<p>Beware of property damage Water penetrating into the components can cause a malfunction.</p> <ul style="list-style-type: none">♦ During cleaning, never use a hose or high-pressure cleaner.

To clean the charger, do as follows:

1. Pull the power plug from the socket.
2. Remove the battery.
3. Wipe the charger with a clean, dry cloth.



5.4 Extension cable



⚠ DANGER!

Death hazard from damaged cable.
Contact with a bare wire of a cable connected to the electrical circuit can cause severe injury or death.


- ◆ Never use devices with a damaged cable.
- ◆ Never use devices with a damaged housing.



⚠ CAUTION!

Beware of property damage
When using a power strip, power surge protection may be triggered.

- ◆ Never use power strips.




IMPORTANT INFORMATION

- ◆ Protect cable from heat, moisture and other physical or chemical effects.
- ◆ Never abuse the cable, such as by pulling or lifting from machines.
- ◆ Protect cable from sharp objects or edges.

- Before using an extension cable, completely unwind it and check for damage.
- Operate the charger only with undamaged, inspected extension cables.
- Use only cables intended for use outdoors or at construction sites, such as H07RN-F.
- The plugs and couplings of the extension cable must be designed with a proper earth wire and earth wire connection.
- Protect the cable from excessive heat or moisture.

5. Battery and charger

5.5 Disposal

NOTE	
	<p>Pollution hazard from spilling hazardous substances</p> <p><i>Disposing of electrical devices in household waste or at garbage dumps can release hazardous substances that get into the food chain. This can harm health and wellbeing.</i></p> <ul style="list-style-type: none">◆ <i>Do not dispose of the battery with household trash.</i>◆ <i>Obey local laws and regulations. Or contact your authorized Honda dealer for disposal.</i>

The user is obliged to abide by the national laws and regulations covering waste and environmental protection when disposing of devices at the end of their service life. In these events we always recommend that you always:

- Consult specialized companies that have been authorized to perform these activities.
- Contact the machine's manufacturer or their authorized accredited contractual service organizations.

The manufacturer will accept no liability for any harm caused to the health of users or for any environmental damage caused by failure to comply with the above instructions.

Inspections

Have the electronic components inspected by an electrical professional.

Road rollers, trench rollers and vibratory plates must be inspected for safety by an expert whenever necessary or at least once a year, depending on the conditions of use and the operating conditions.

6.1 Chassis

! CAUTION!**Injury hazard from tilting the machine!**

Long downtimes on the transport vehicle and driving on uneven or sloped ground decreases the machine's stability. The machine can tilt or slide off.

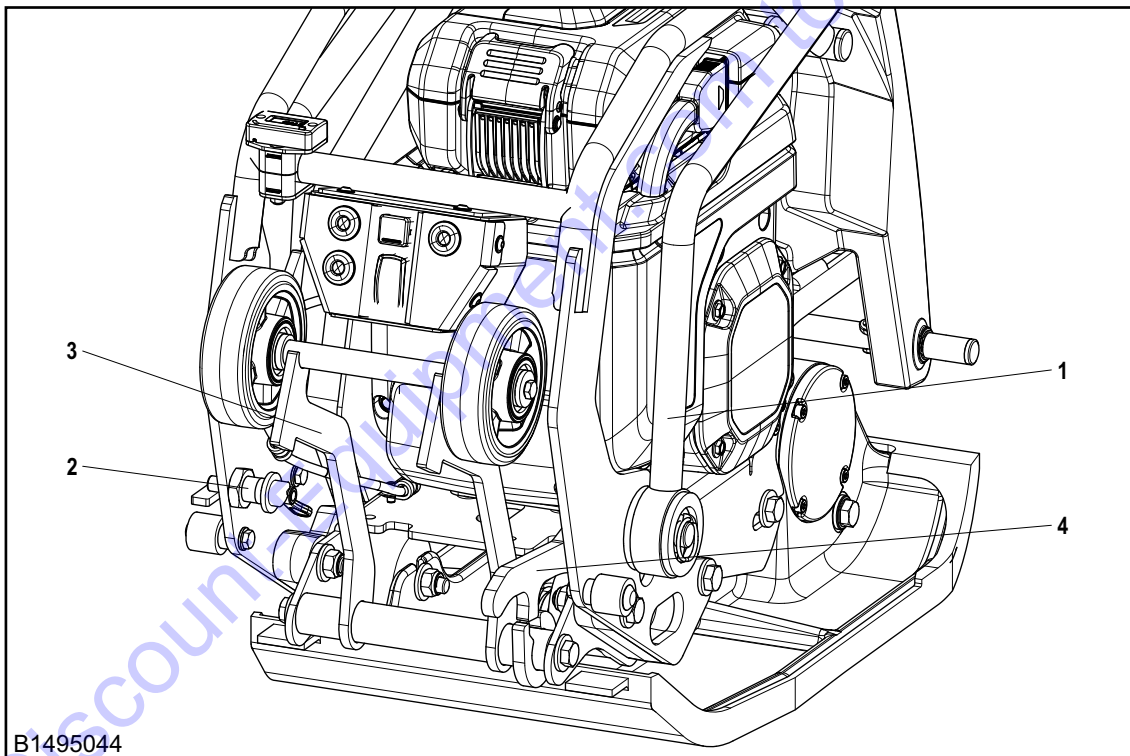
- ◆ For long downtimes, do not park the machine on the chassis.
- ◆ Drive carefully on uneven or sloped ground.

! CAUTION!**Injury hazard from heavy load!**

Foot injuries may occur when lifting or lowering the machine.

- ◆ Do not place feet on the lifted base plate.
- ◆ Wear safety shoes.

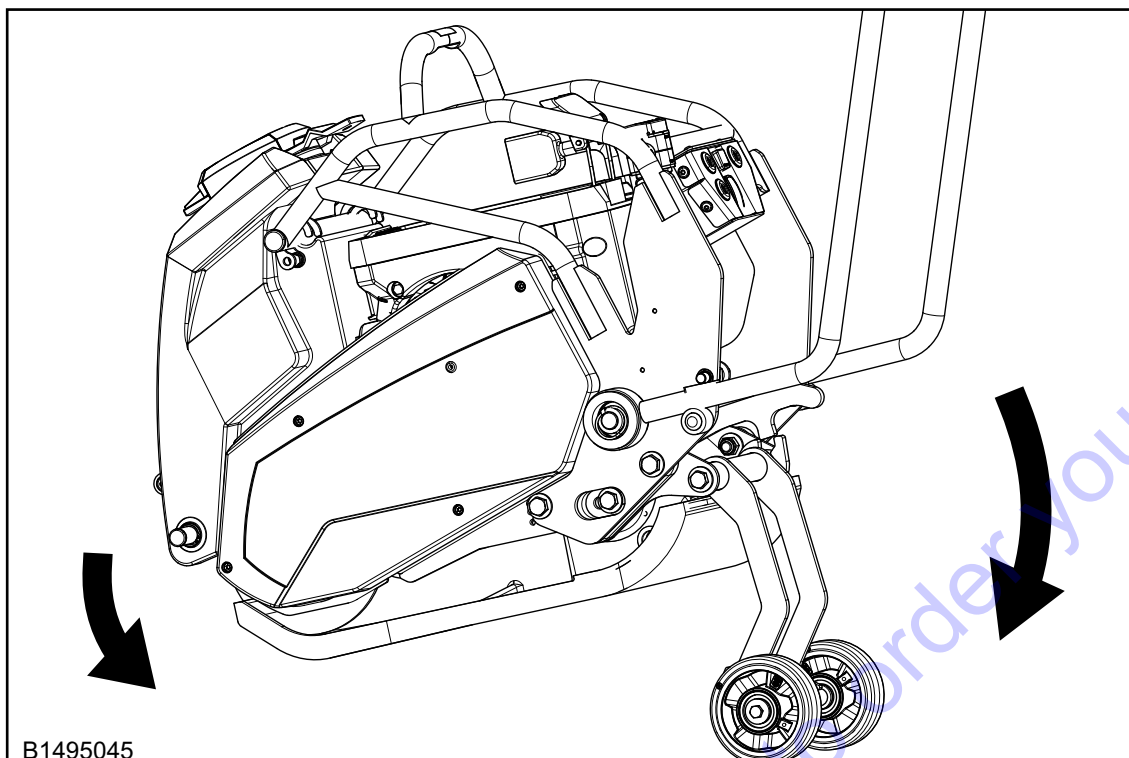
- When using the chassis, the machine can be transported short distances without any problem.



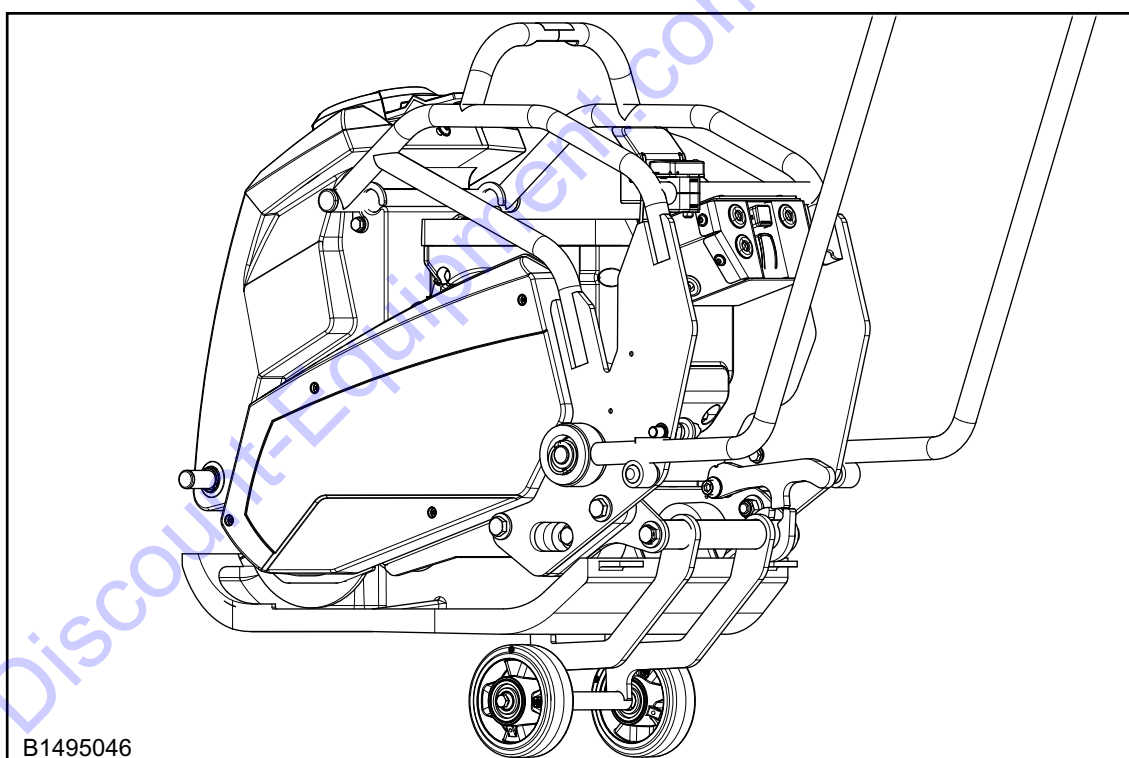
To extend the chassis, do as follows:

1. Press the drawbar (1) downward to the stop.
2. Snap the locking bolts (2) into the opening on the drawbar.
3. Release the chassis (3) from the mounting (4) and lay it on the floor.

6. Transport



4. With the drawbar locked, tilt the machine onto the front edge. The chassis swivels under the plate.



5. Tilt the machine back until the plate lies horizontally on the chassis. The device is ready to move.
6. After transport, follow the opposite sequence to hang the chassis back in.
► Make sure that the chassis has completely snapped in.

6.2 Loading and transporting the machine



Death hazard from suspended load!

The machine has a high intrinsic weight. Improper living and transport can cause the machine to fall and injure people.



- ◆ It is forbidden to:
 - Walk under suspended loads.
 - Stand under suspended loads.
 - Ride on suspended loads.
- ◆ Ensure that nobody will be endangered!
- ◆ Only use load-bearing capable and stable loading ramps for the loading.
- ◆ Check the attachment points (shackles, lifting eyes) for damage or wear before use. Damaged parts must be changed immediately.
- ◆ Secure the machine against rolling, sliding and tipping over.
- ◆ Always use the provided lifting points when loading, lashing and lifting the machine.
- ◆ After loading, lock the drawbar.
- ◆ Removing the battery.
- ◆ For this, follow chapter „4.4 Decommissioning“ on page 16.



IMPORTANT INFORMATION

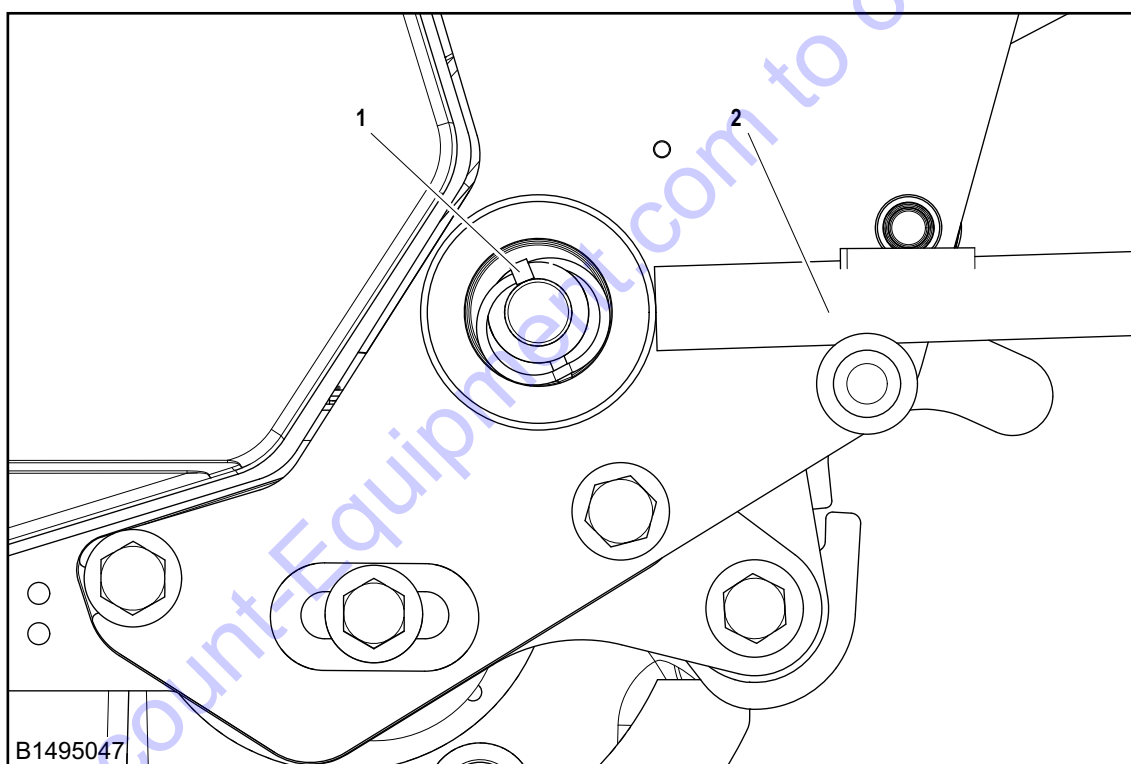
- Keep the machine horizontal during transport.

6. Transport

6.2.1 Removing the drawbar

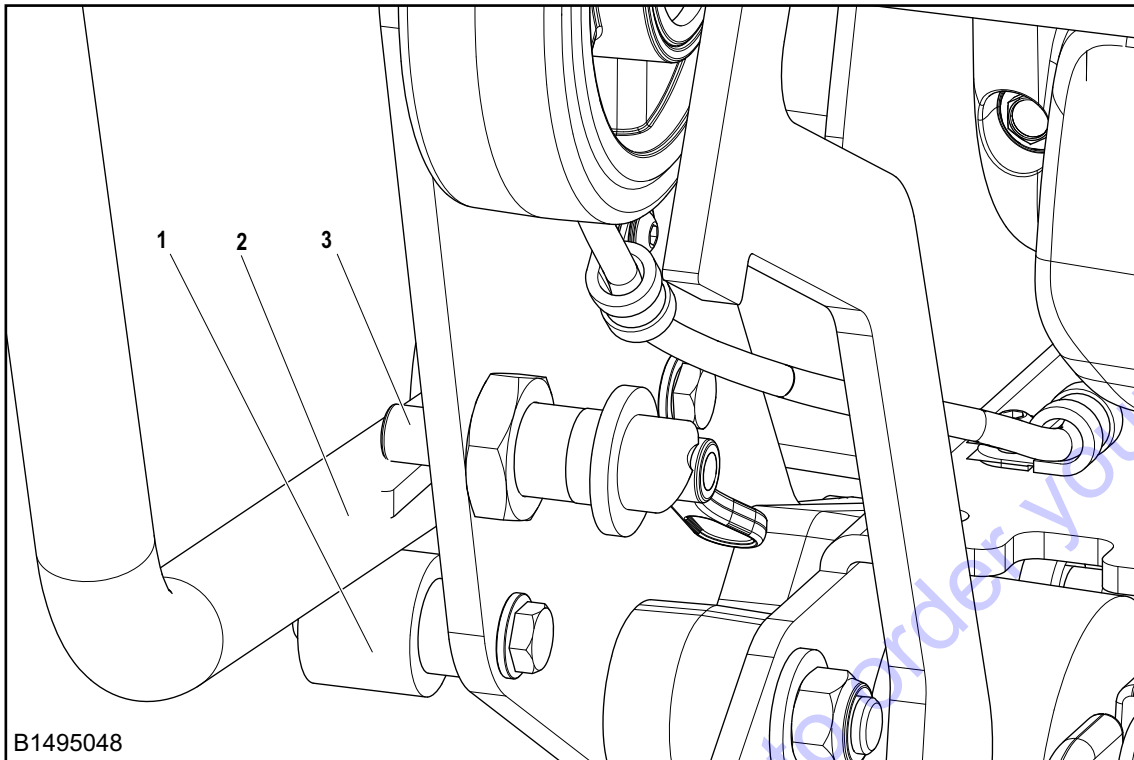
⚠ WARNING!	
⚠	Injury hazard from improper handling of the machine! <i>If the machine is operated without the drawbar, it can not be controlled can cause injury.</i>
	<ul style="list-style-type: none">◆ Do not operate the machine without the drawbar.◆ After transport, properly install the drawbar again.
NOTE	
⚠	Beware of property damage <i>If the machine is operated without the drawbar, it can not be controlled. This can cause damage to the machine and devices and tools near it.</i>
	<ul style="list-style-type: none">◆ Do not operate the machine without the drawbar.◆ After transport, properly install the drawbar again.

- For easier transport, the drawbar can be removed.



To remove the drawbar, do as follows:

1. Pull out the lynch pins (1).
2. Pull the drawbar (2) gently out and remove it.



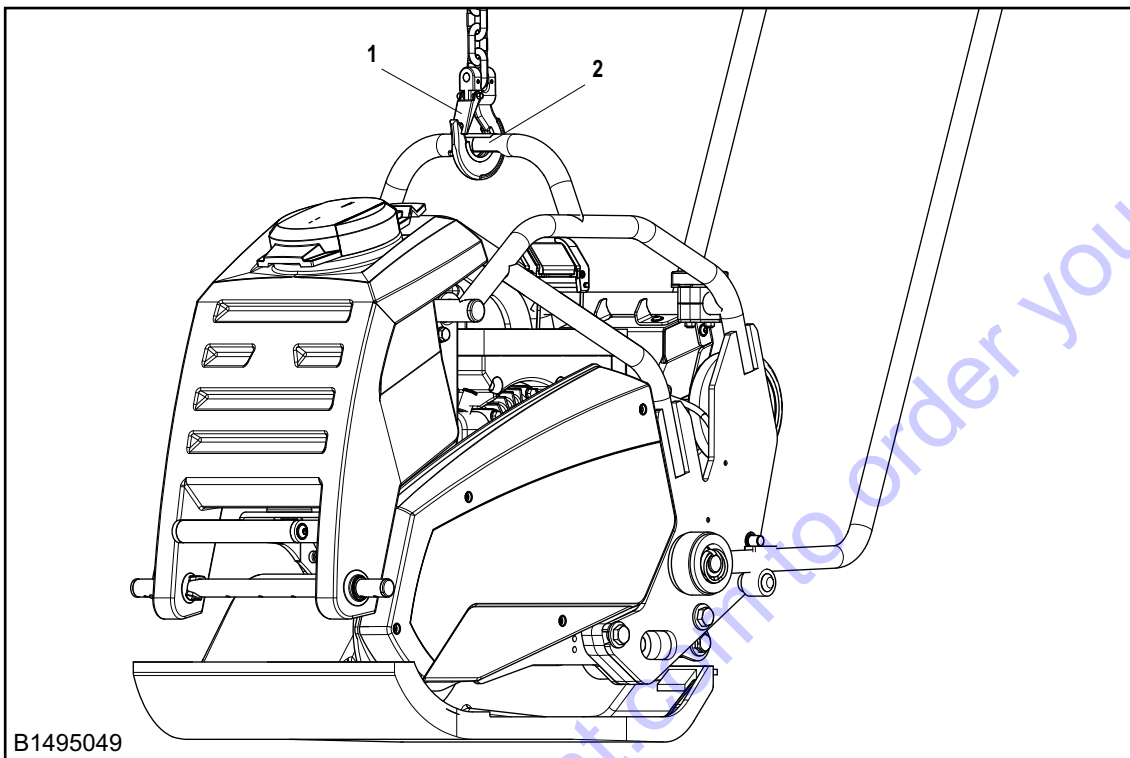
3. Insert the lynch pins (1) back into the holes to secure them against loss.

6. Transport

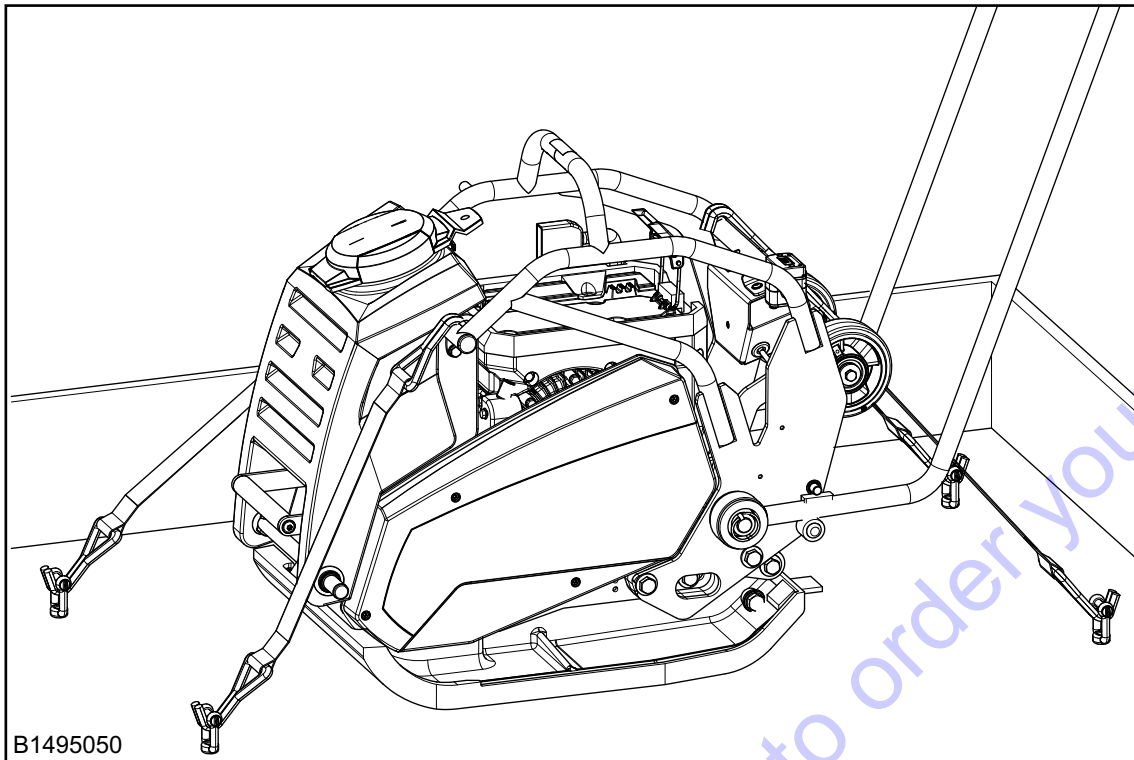
6.2.2 Loading and transporting

To transport the machine or lift it with a crane, do as follows:

1. Always remove the battery before loading and transport.
2. Make sure that the engine has cooled and the battery has been removed.
3. Lock the drawbar.



4. Hang the crane hooks (1) in the central point suspension (2).
5. Load the machine onto the transport vehicle.
6. Remove the crane hooks from the central point suspension.



7. Secure the machine to the transport lugs with straps and load it correctly.
 8. At the destination, loosen the transport locks.
 9. Hang the crane hooks into the central point suspension.
 10. Lift the machine with a crane and unload it.
 11. Place the machine on a level floor and prepare it for operation.
- ✓ Machine is completed.

6. Transport

6.3 Loading and transporting the battery



IMPORTANT INFORMATION

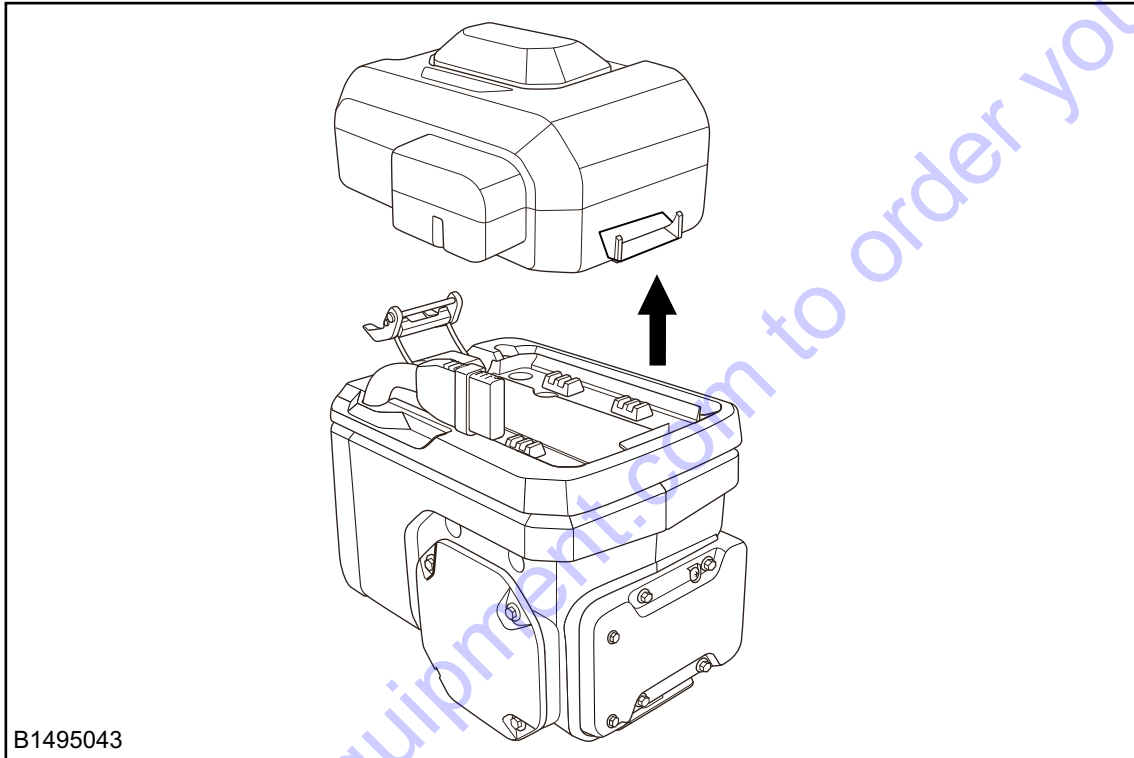
According to international transport law, lithium-ion batteries are hazardous material and must be packaged, marked and classified as such.

- ◆ Therefore, lift them properly in the original shipping carton.
- ◆ Transport and secure the battery according to hazardous materials regulations.

6.3.1 Carrying the battery

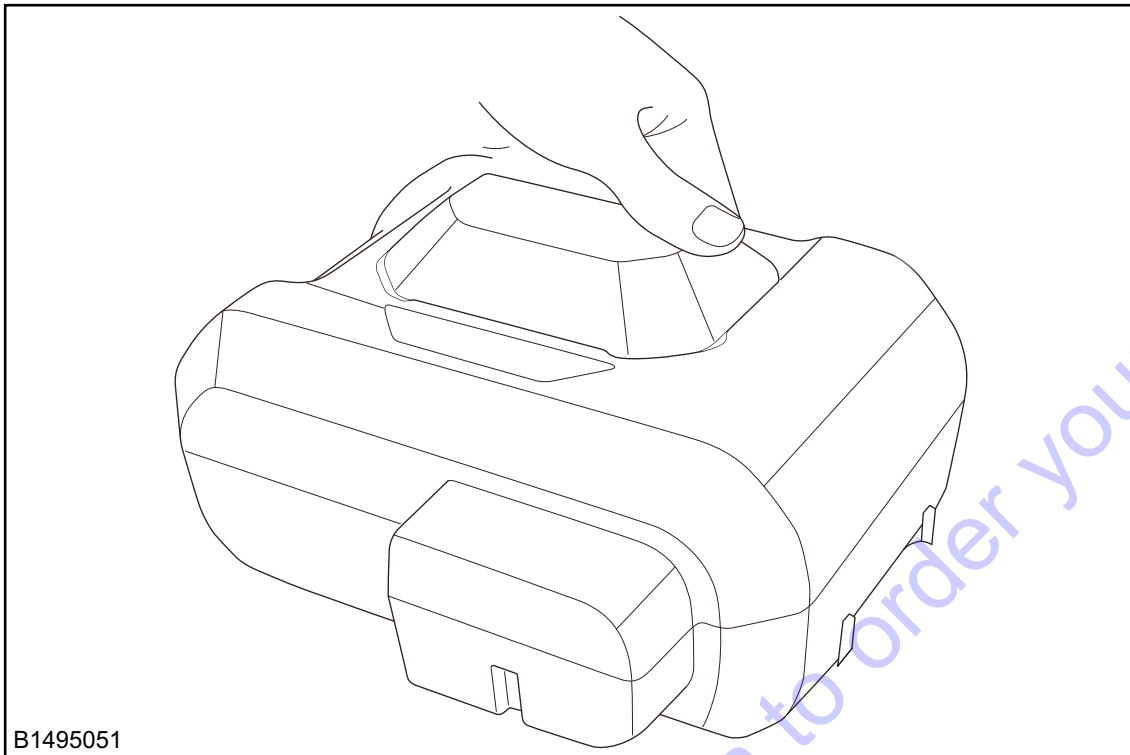
To carry the battery, do as follows:

1. Remove it from the machine or charger.



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2. Grasp the battery with a firm grip on the handle, so that the battery does not slide out of your hand.



- Do not swing the battery around.
- Do not throw the battery.

6.3.2 Loading into a vehicle

To load the battery, do as follows:


1. Place the battery into a shipping carton marked according to international transport law (original packaging).
 2. Place the battery on a level place or on a loading surface.
 3. When loading the battery, align the inlet and outlet opening downward, so that no rain can get in.
 4. Secure the battery such that it can no longer move.
 5. Pad the battery well.
- ✓ The battery has been loaded.

7. Maintenance

7.1 General instructions

Careful maintenance will ensure:

- ⇒ A longer service life.
- ⇒ Greater functional safety.
- ⇒ Less downtime.
- ⇒ Greater reliability.
- ⇒ Lower repair costs.
- **Heed the safety regulations!**
- **Perform maintenance only with the engine off.**
- **Clean the engine and machine before starting maintenance.**
- **Place the machine on level ground and secure it against sliding or rolling away.**
- **Ensure that used operating materials and replaced parts are disposed of in a safe, environmentally-friendly way.**
- **Prevent short circuits on conductive cables.**
- **Never spray electrical components directly when cleaning the machine with a high-pressure water jet.**
- **After washing, blow the components dry with compressed air to prevent leakage currents.**

! DANGER!	
	<p>Injury or death hazard due to malfunction.</p> <p>Improper engine maintenance or ignoring a problem before commissioning can cause severe malfunctions.</p> <ul style="list-style-type: none">◆ Proceed according to the maintenance recommendations and maintenance schedules in the operating manual.

7.2 Maintenance overview

Work	Interval						when necessary
	Every day	20 h	50 h	100 h	250 h	500 h	
Clean the machine.	•						
Check the engine cover. ¹⁾	•						
Check the display lights. ¹⁾	•						
Check the power cable. ¹⁾	•						
Check the wiring harness. ^{1), 4)}						•	•
Check the battery attachment. ¹⁾	•						
Replace the battery attachment. ¹⁾						•	
Check the battery hook. ¹⁾	•						
Replace the battery hook. ¹⁾						•	
Check the rubber support. ¹⁾	•						
Replace the rubber support. ¹⁾						•	
Replace the rubber holder. ^{1), 4)}						•	
Replace the stop bolt. ^{1), 4)}						•	
Replace the rubber bumper. ^{1), 4)}						•	
Clean the outlet opening. ¹⁾						•	
Check the intakes. ¹⁾	•						
Check the V-belt tension.				•			
Inspect the rubber buffer.				•			
Check that the screw joints for firm seating.		• ³⁾		•			
¹⁾ Follow the engine operating manual. ²⁾ At least once a year. ³⁾ For the first time. ⁴⁾ These maintenance tasks should be done by a contract workshop unless you have the right tools and technical qualifications. Please contact your authorized Honda dealer. ⁵⁾ If the engine makes unusual noises, have it checked by your specialized dealer.							

7. Maintenance

7.3 Lubrication schedule

Lubricating points	Quantity	Change interval [operating hours]	Lubricant	Order no.
Exciter				
eAPF 12/40	0.25ℓ	Recommended: every 5 years and during repairs	API SG-CE SAE 10W40 engine oil	2-80601110
eAPF 12/50				

7.4 Company's alternative lubrication chart

	Engine oil API SG-CE SAE 10W40	Gear oil in acc. with JDM J 20 C	Special hydro-oil ISO-VG 32	Hydr.-oil HVL P 46	ATF – oil
ARAL	Extra Turbotal SAE 10W40	Fluid HGS	Vitam CF 32	Vitam HF 46	ATF 22
BP	Varellus C6 Global Plus SAE 10W40	Hydraulik TF-JD	Energol HLP-HM 32	Bartran HV 46	Aurran MBX
CASTROL	Traction SAE 10W40	Agri Trans Plus	Hyspin SP 32	Hyspin AVH-M 46	TD-D
ESSO	Ultra 10W40	Torque Fluid 55	Univas N 32	Univas N 46	ATF 21611 II-D
FUCHS	Titan Mono MC	Agrifarm UTTO MP	a. Renolin 2AF 52b b. Pantohyd 32 S*	Renolin B 46 HVI	Titan ATF 9030
HONDA	—	4 Stroke Oil 10W30 API: SJ	—	—	—
KLEENOIL PANOLIN	—	—	Panolin HLP Synth 32*	—	—
LIQUI MOLY	—	SPEC AL TEC AA 10W30	—	—	—
MOBIL	a. Delvac SHC b. Mobil Super M 10W40 c. Mobil Super S 10W40†	a. MobilFluid 424 b. MobilFluid 426	Mobil DTE 24	Univas N 46	ATF 220
SHELL	Engina Oil DG 1040	Donax TD	Telus T32	Telus T 46	a. Donax TA b. Donax TX
TOTAL	Rubia Polytraffic 10W40	Transmission MP	Azolla ZS 32	Equavis ZS 46	Fluide ATX

* Semi-synthetic light-duty oils
 * Biological multi-purpose hydraulic oils;
 The miscibility and compatibility with mineral oil based hydraulic oils and biological hydraulic oils should be examined in the individual case
 The residual mineral oil content should be reduced acc. to VDMA specification 24 569.
 † API: SL/A

8. Maintenance (engine)

8.1 General information



INFORMATION ON DOCUMENTATION

This manual lists only the daily engine maintenance tasks. Follow the engine's operating manual and the warnings and intervals shown therein.

NOTE



Read and follow the original operating manuals for the engine, battery and charger.

DANGER!

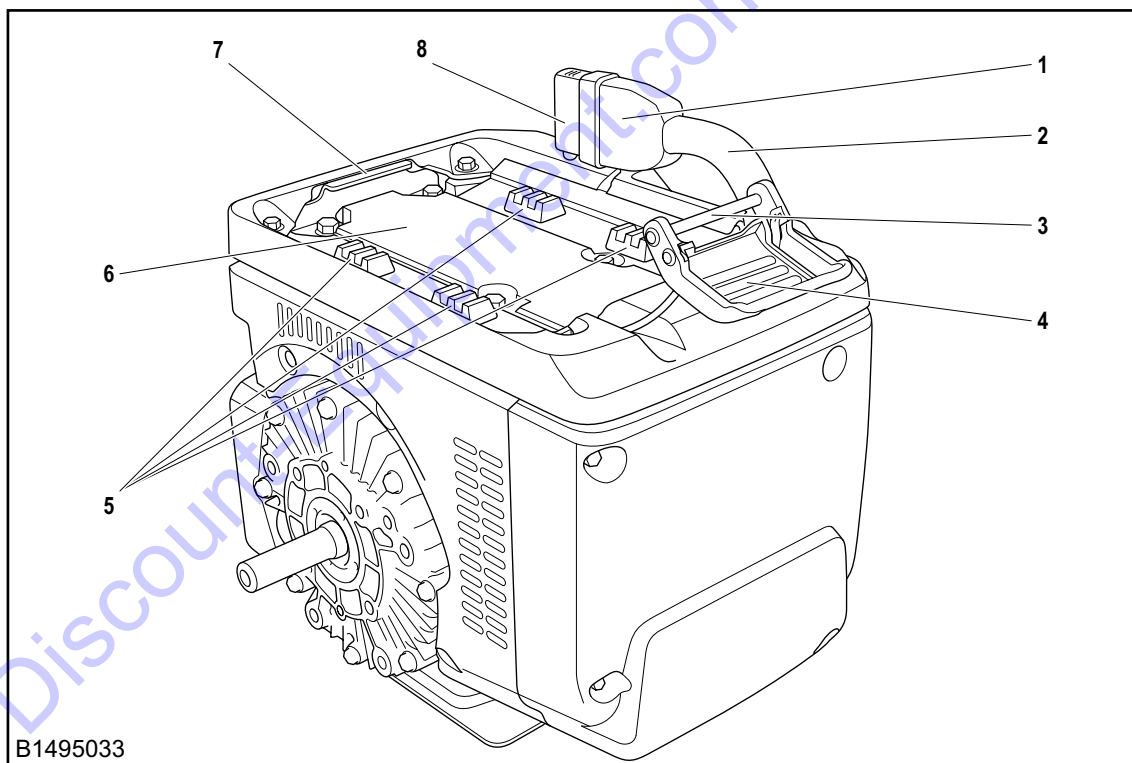


Injury or death hazard due to malfunction.

Improper engine maintenance or ignoring a problem before commissioning can cause severe malfunctions.

- ◆ Proceed according to the maintenance recommendations and maintenance schedules in the operating manual.

8.2 Overview



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- | | |
|----------------------------|---------------------------|
| 1 Battery plug | 5 Rubber support |
| 2 Battery cable | 6 Battery holder |
| 3 Battery attachment | 7 Battery hook |
| 4 Battery attachment lever | 8 Battery plug safety cap |

8.3 Engine cleaning

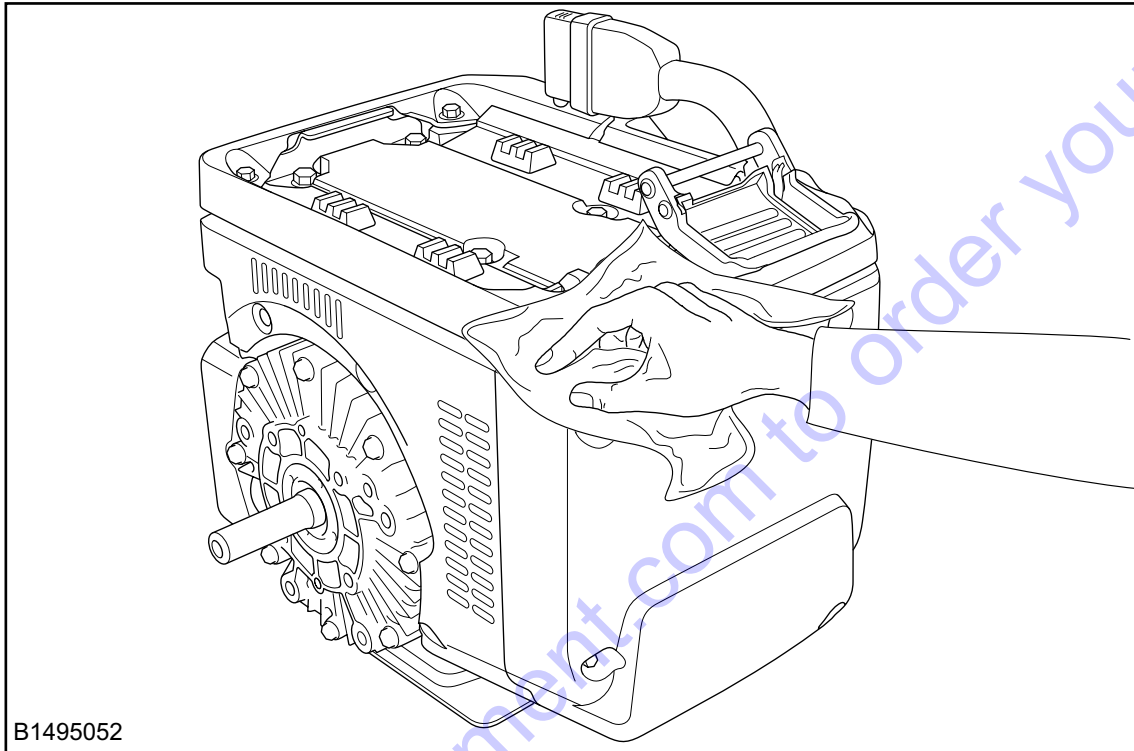
NOTE



Beware of property damage

Water penetrating into the components can cause a malfunction.

- ♦ During cleaning, never use a hose or high-pressure cleaner.



To clean the engine, do as follows:

1. Shut off the engine.
 2. Remove the battery.
 3. Wipe the engine with a clean, dry cloth.
- ✓ The engine has been cleaned.

8. Maintenance (engine)

8.4 Checking the engine for damage

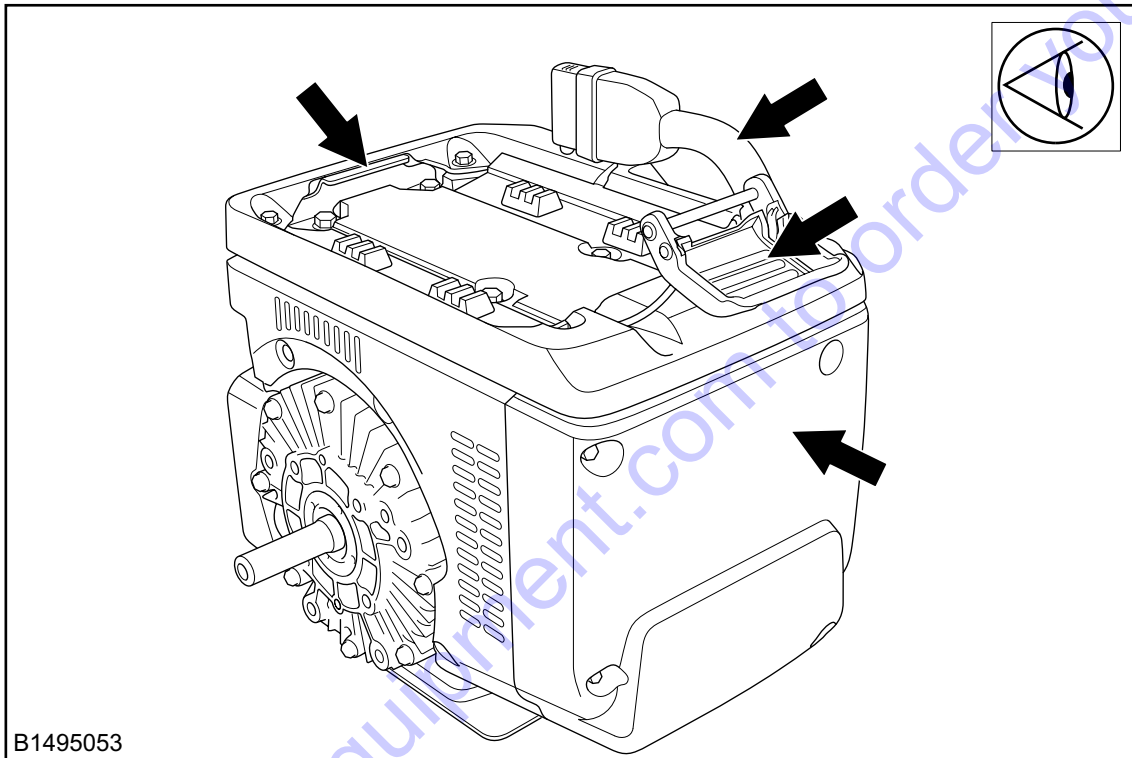
WARNING!



Injury hazard from damage or defects on the engine.

Damage and defects on the engine, especially the safety equipment, are hazard sources. A damaged machine engine can injure the machine operator or bystanders.

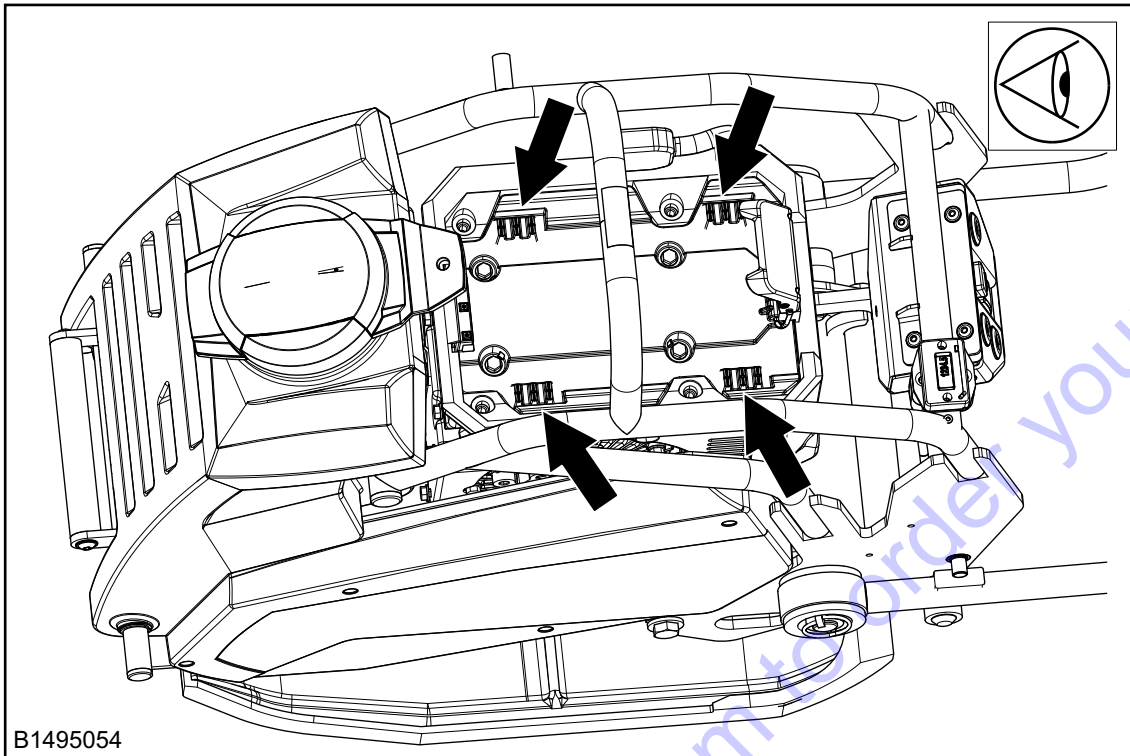
- ◆ Before every startup, visually inspect for damage.
- ◆ If damage is located and identified, never operate the machine.
- ◆ Replace defective components.



To check the engine for damage, do as follows:

1. Inspect:
 - Engine cover.
 - Power cable.
 - Battery attachment.
 - Battery hook.
 2. Do a visual inspection.
 - Replace damaged or defective components.
- ✓ The engine has been checked.

8.5 Checking the rubber supports



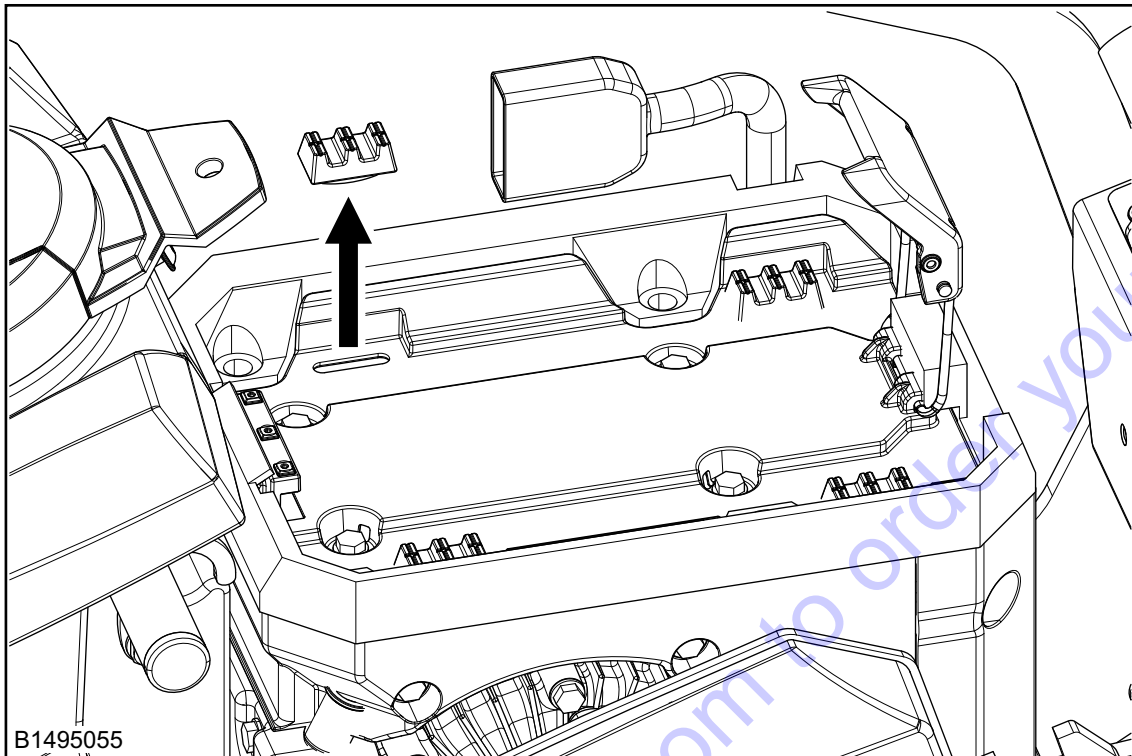
To check the rubber supports, do as follows:

1. Check places with rubber supports as shown for:
 - Cracks and ruptures.
 - Firm seating.
- Replace damaged rubber supports immediately.
- ✓ The rubber supports have been checked.

8. Maintenance (engine)

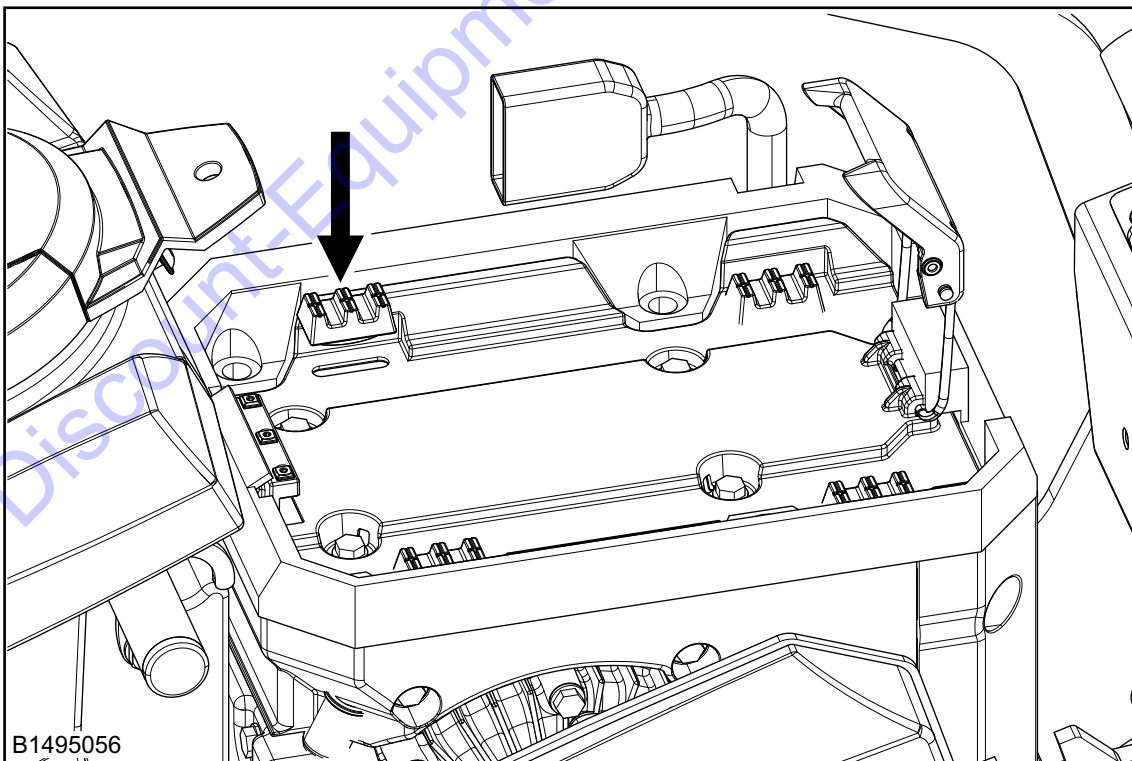
8.6 Replacing the rubber supports

To ensure that the battery is properly seated on the machine, it is important that all rubber supports be intact and complete.



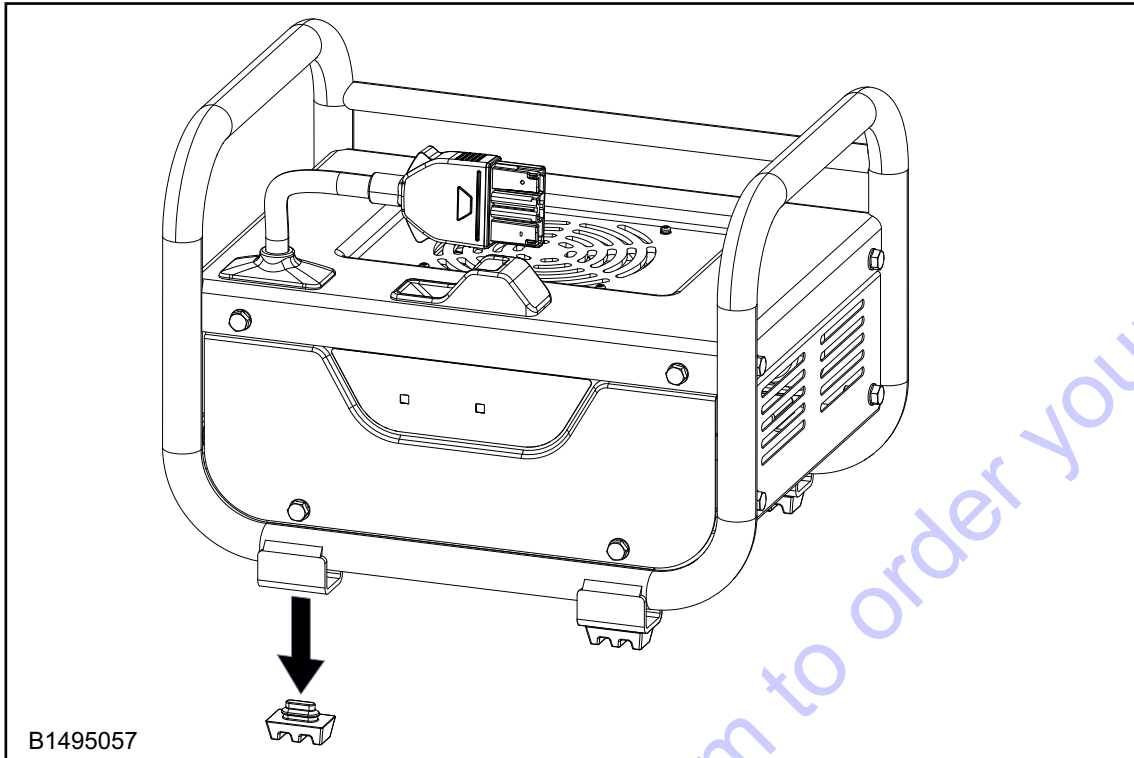
To replace the rubber supports, do as follows:

1. Remove defective rubber supports from the plug connection.
2. Insert new rubber supports.



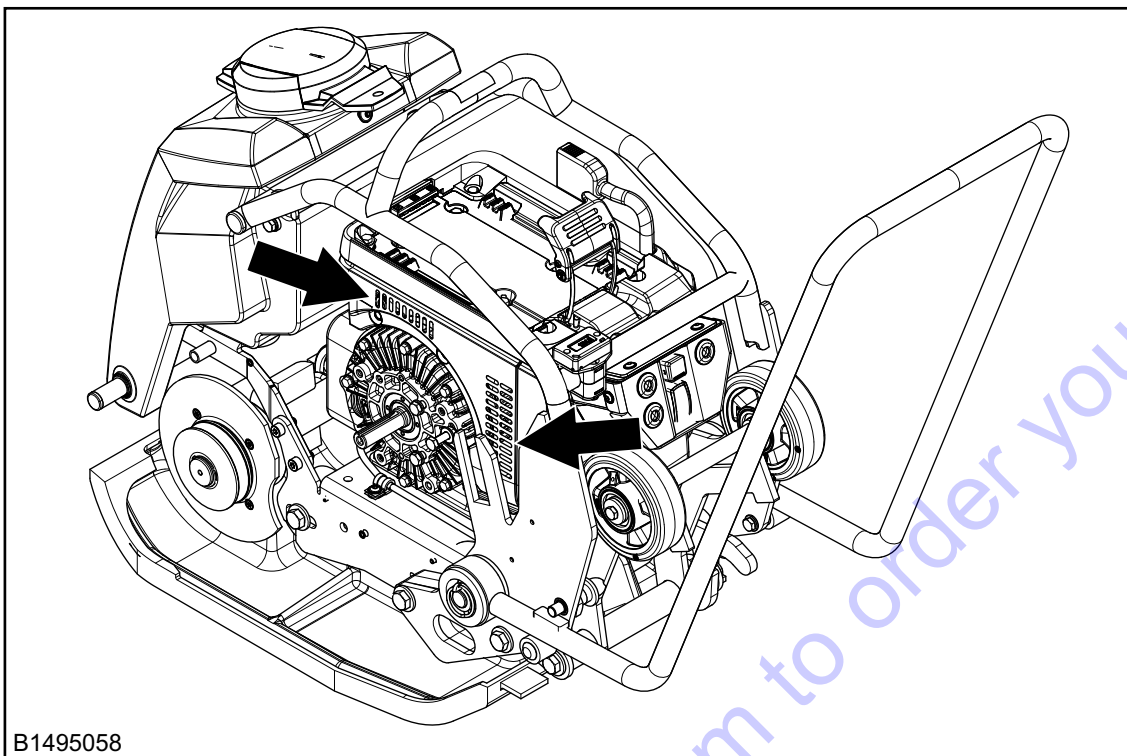
- Immediately provide new rubber supports.
- ✓ The rubber supports have been replaced.

- **i NOTE:** The rubber supports from the charger can be used as a substitute.



8. Maintenance (engine)

8.7 Checking the intakes



- Check air intake and outlet openings for coarse contamination, such as leaves, heavy dust deposits, etc., and clean if necessary.
- ✓ The intakes have been checked.

9.1 Cleaning

WARNING!



Fire and explosion hazard from combustible materials.

Combustible materials can cause severe burns.

- ◆ Never use petrol or cleaning solutions with a low combustion point for cleaning.
- ◆ Do not use flammable or aggressive cleaning materials for cleaning.

NOTE



Environmental hazard from spilt cleaning agent.

- ◆ Clean the machine only at a workplace with a collection system for cleaning agent to prevent pollution to the earth and groundwater.
- ◆ NEVER use prohibited cleaning agents.

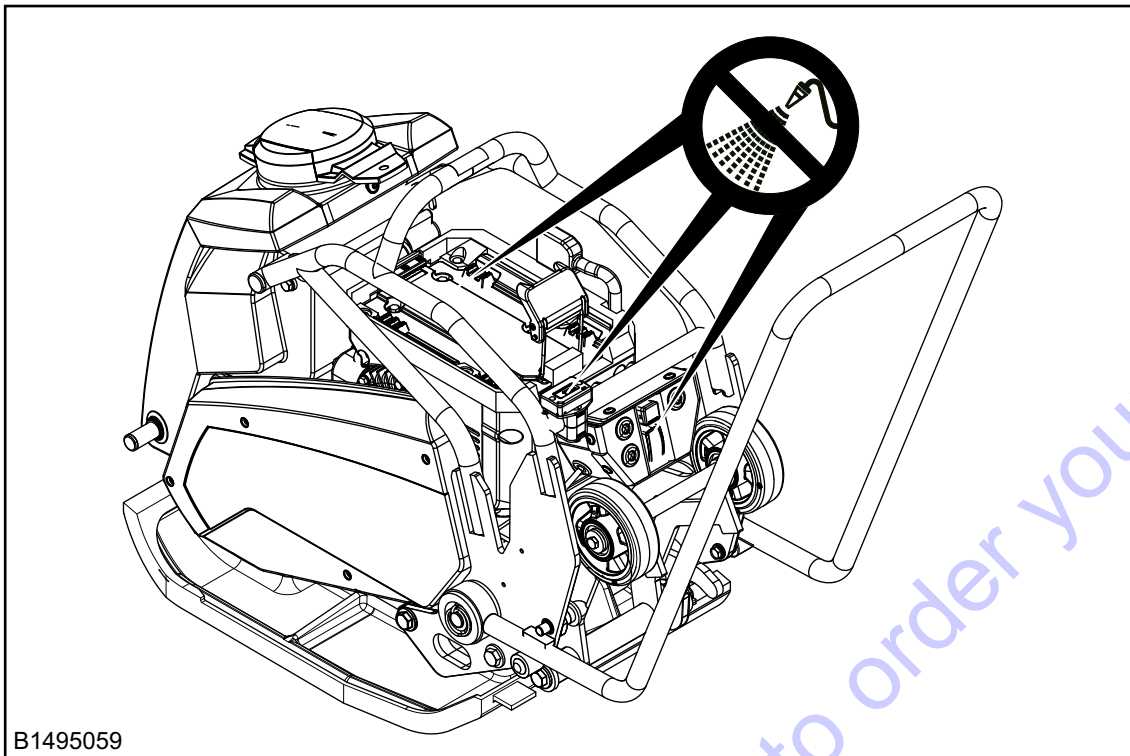
NOTE



Property damage hazard to the machine from penetrating water.

- ◆ Remove the battery.
- ◆ Before cleaning the machine with the high-pressure cleaner, protect the engine from water and moisture.
- ◆ Spray off the machine with the high-pressure cleaner only at the bottom area.
 - Do not aim the water jet at the engine.
 - Do not spray the engine or the engine control device.
 - Do not spray electrical components.

9. Machine maintenance



To clean the machine, do as follows:

1. Remove the battery.
2. Install the safety cap on the battery plug.
3. Protect the engine well from water.
4. Spray the surface of the machine with a high-pressure cleaner.
 - Clean the machine every day.
5. Wipe the engine dry with a clean, dry cloth.
 - Dry any damp spots on the engine that may have occurred during cleaning.
6. After cleaning, check the cables, wires and screw joints for leaks, loose connections, chafe marks and other damage and for contamination of the plug contacts.
 - Eliminate any problems immediately.
- ✓ The machine has been cleaned.

9.2 Screw joints

**IMPORTANT INFORMATION**

Replace self-locking nuts after every dismantling.

9.2.1 Tightening torque

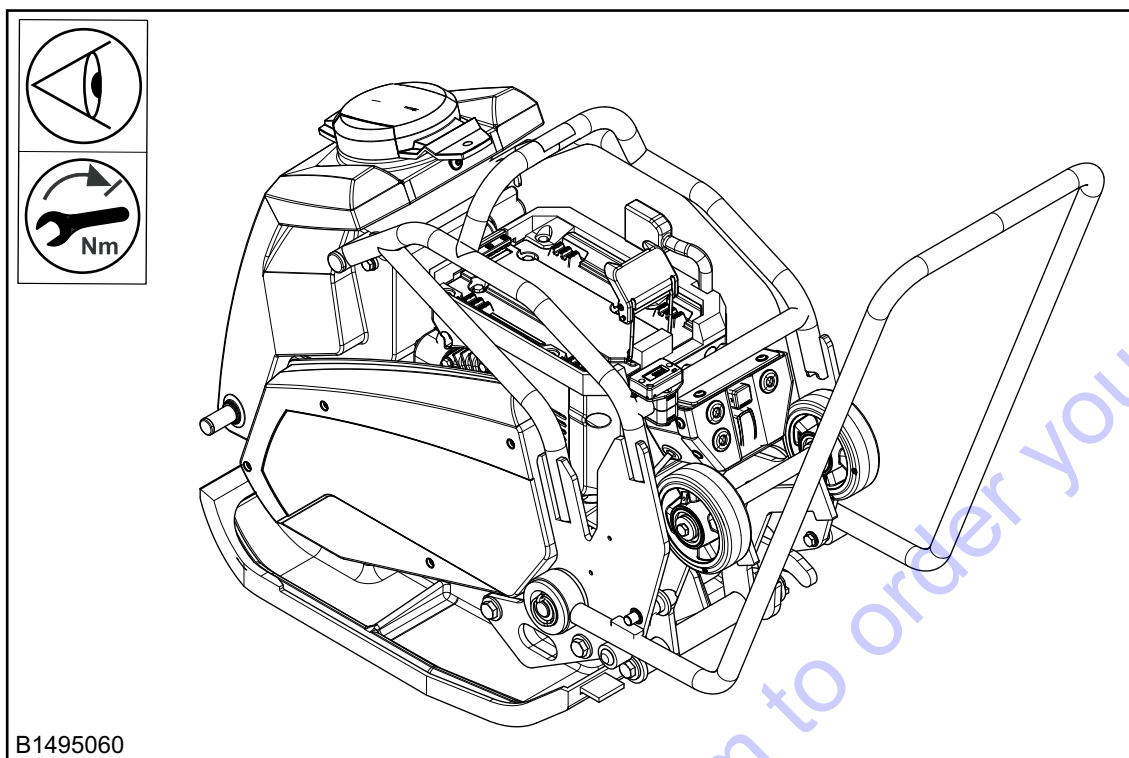
Ø	8.8		10.9		12.9	
	Nm	ft lb	Nm	ft lb	Nm	ft lb
M 4	3	2	4,4	3	5	4
M 5	6	4	8,7	6	10	7
M 6	10	7	15	11	18	13
M 8	25	18	36	26	43	31
M 10	49	36	72	53	84	61
M 12	85	62	125	92	145	106
M 14	135	99	200	147	235	173
M 16	210	154	310	228	365	269
M 18	300	221	430	317	500	368
M 20	425	313	610	449	710	523
M 22	580	427	830	612	970	715
M 24	730	538	1050	774	1220	899
M 27	1050	774	1480	1092	1774	1308
M 30	1420	1047	2010	1482	2400	1770

TAB01001.cdr

- Tightening classes for screws with untreated, non-lubricated surfaces.
- The values result a 90% utilization of the yield strength; at a friction coefficient of $\mu_{ges} = 0.14$.
- Compliance with the tightening torques is to be checked using torque wrenches.
- The specified values will not apply if an MoS2 lubricant is used.

9. Machine maintenance

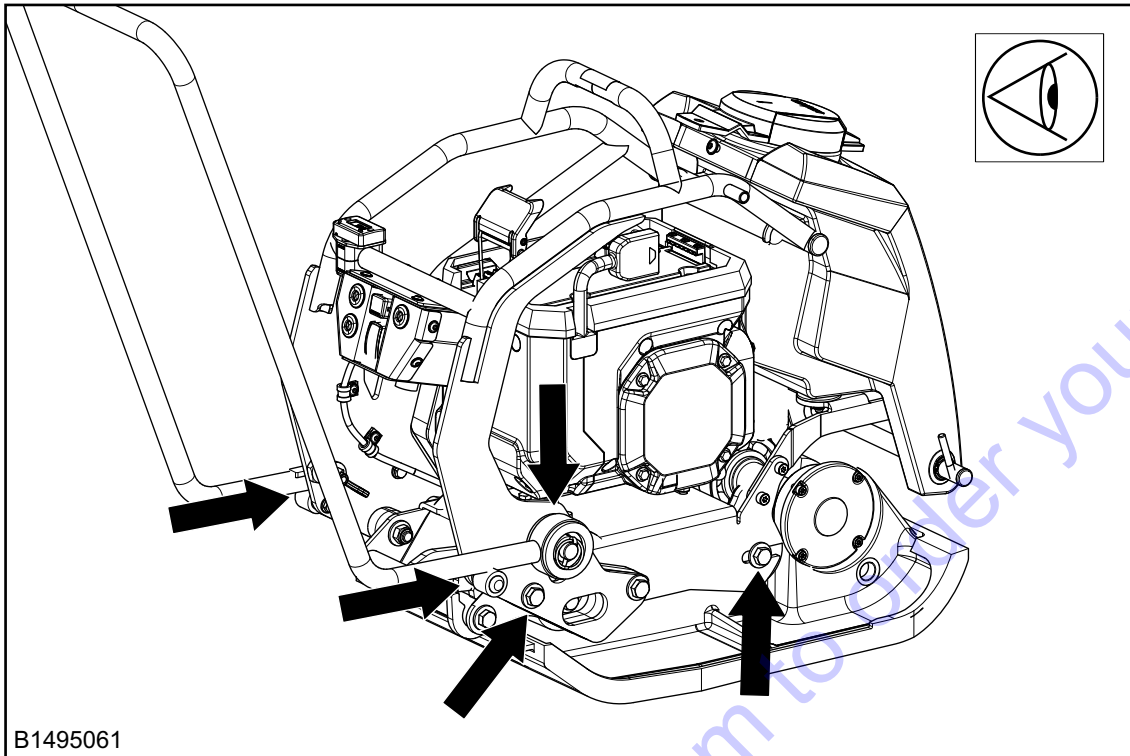
9.2.2 Checking the screw joints



With vibrating devices it is always important to check the screw connections for tightness at regular intervals. For that, do as follows:

1. Check all screw joints for firm seating.
 2. Retighten the screw joints, if necessary.
- Note the torques.
 - ✓ The screw joints have been checked.

9.3 Inspect the rubber buffer



To check the rubber buffers, do as follows:

1. Check places with rubber buffers as shown for:
 - Cracks and ruptures and
 - firm seating.
- Replace damaged rubber buffers immediately.
- ✓ The rubber buffers have been checked.

9. Machine maintenance

9.4 Exciter



CAUTION!



Burn hazard from hot oil.

Working on the exciter may cause a burn hazard from hot oil.

- ♦ Wear safety gloves.
- ♦ Slowly, carefully open the oil drainage screw to release pressure.

NOTE



Environmental hazard from spilt operating materials.

- ♦ Collect the old oil and then dispose of it in an environmentally-friendly way.
- ♦ Do not allow oil to seep into the ground or the sewage system.

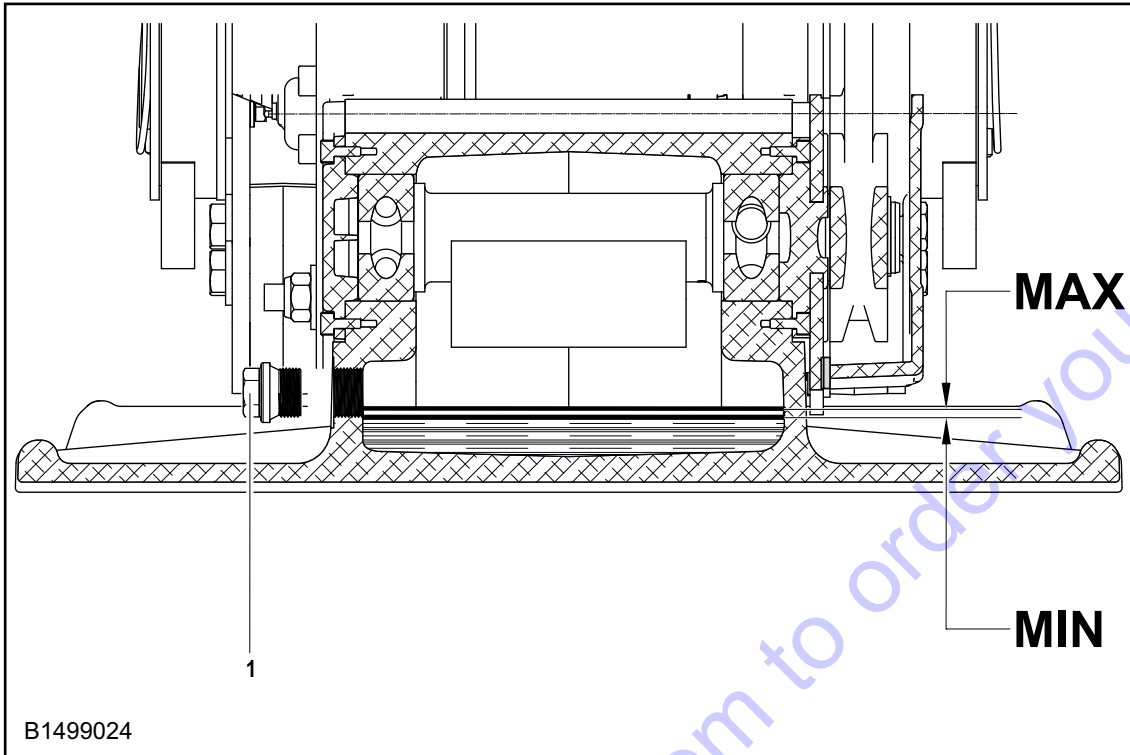


IMPORTANT INFORMATION

- ♦ Change the transmission oil when it is warm.
- ♦ When the dipstick is screwed in, the optimal oil level is between the "MIN" and "MAX" lines.

9.4.1 Checking the oil level

To check the exciter's oil level, do as follows:

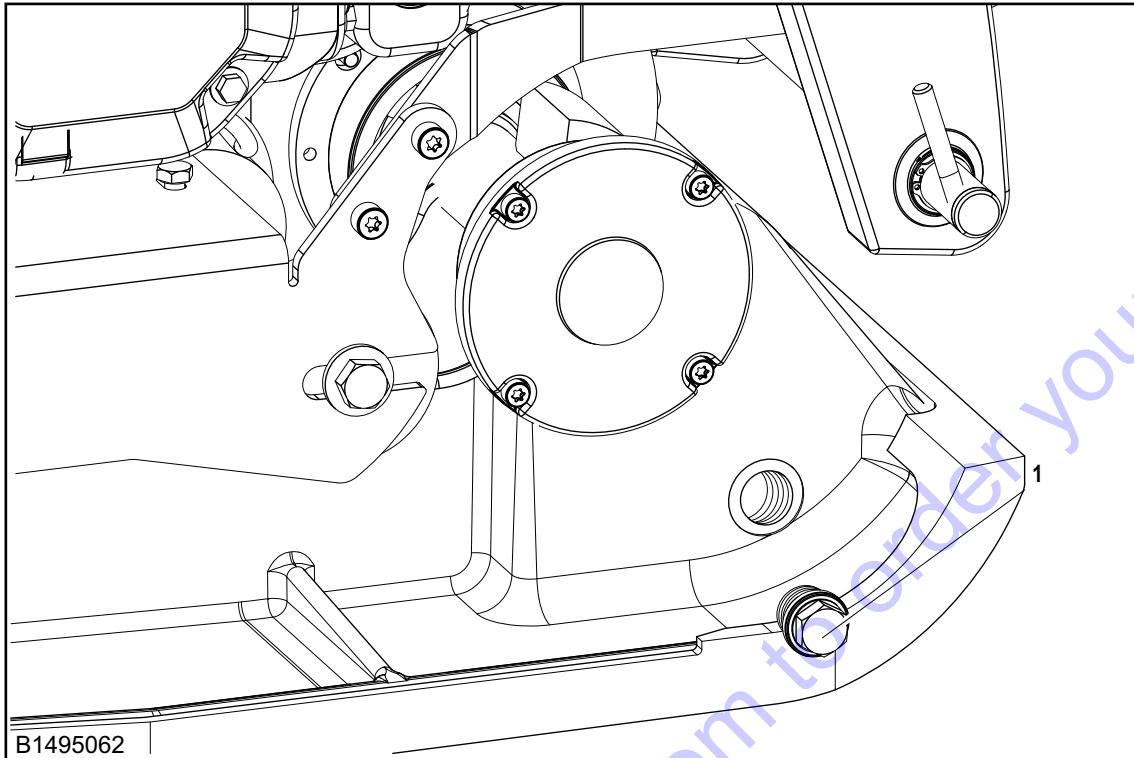


1. Screw out the oil filling screw (1).
2. Check the oil level.
 - The oil level must reach at least to the lower edge of the thread (MIN).
3. Top up the oil, if necessary.
4. Screw in the oil filling screw (1).
- ✓ Oil level checked.

9. Machine maintenance




9.4.2 Changing the oil

To change the exciter's oil, do as follows:

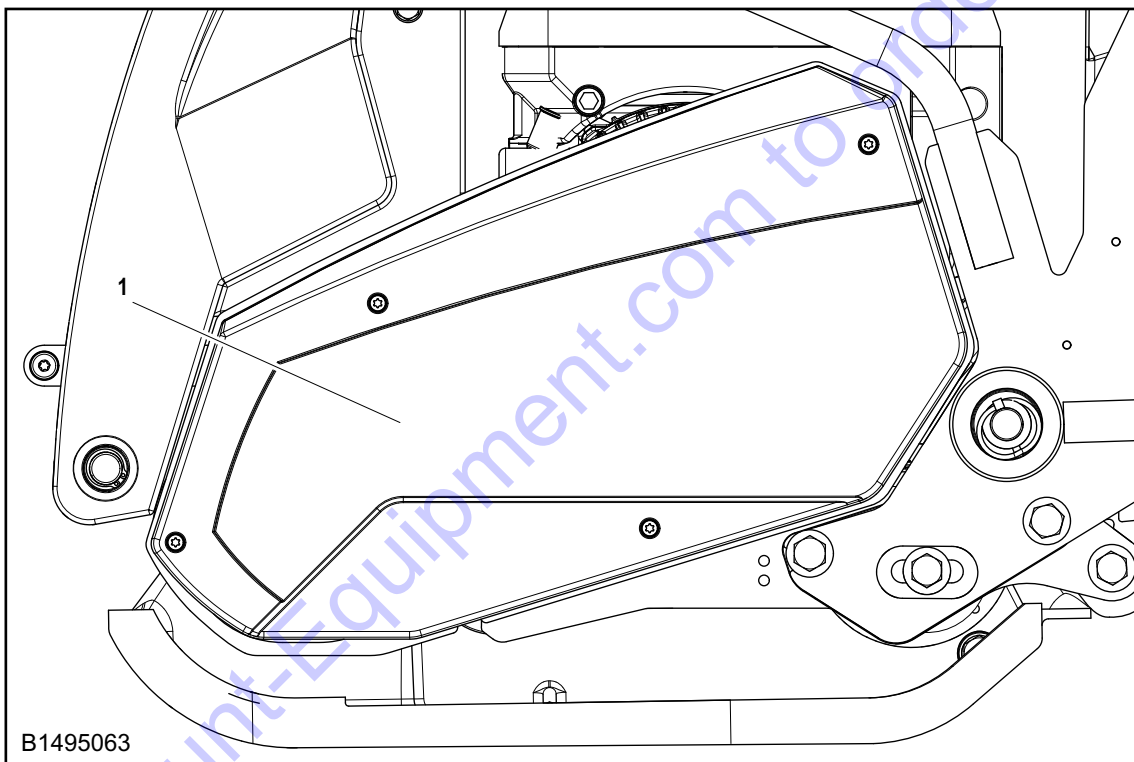


1. Screw out the oil filling screw (1).
 - Drain the used oil into a container and dispose of it according to local regulations.
 2. Pour new oil into the oil fill hole.
 - For the oil quantity and quality, see the lubrication plan.
 3. Screw in the oil filling screw (1).
 4. Check the oil level again, and add oil if necessary.
- ✓ Oil changed in exciter.

9.4.3 V-belt

 WARNING!	
	Injury hazard from rotating parts. Crushing injuries can occur with an open-running belt drive. <ul style="list-style-type: none"> ◆ Perform inspection and maintenance tasks only with the engine off. ◆ Do not operate the machine without the V-belt guard.
NOTE	
	Property damage hazard to the machine. <ul style="list-style-type: none"> ◆ Make sure the frame is slid on the rubber buffers' contact surfaces and that the buffers are not just stretched. In that case, tap the buffers forward with light hammer strikes. ◆ After about 25 operating hours, check the V-belt tension again, and retighten if necessary.

9.4.4 Inspect



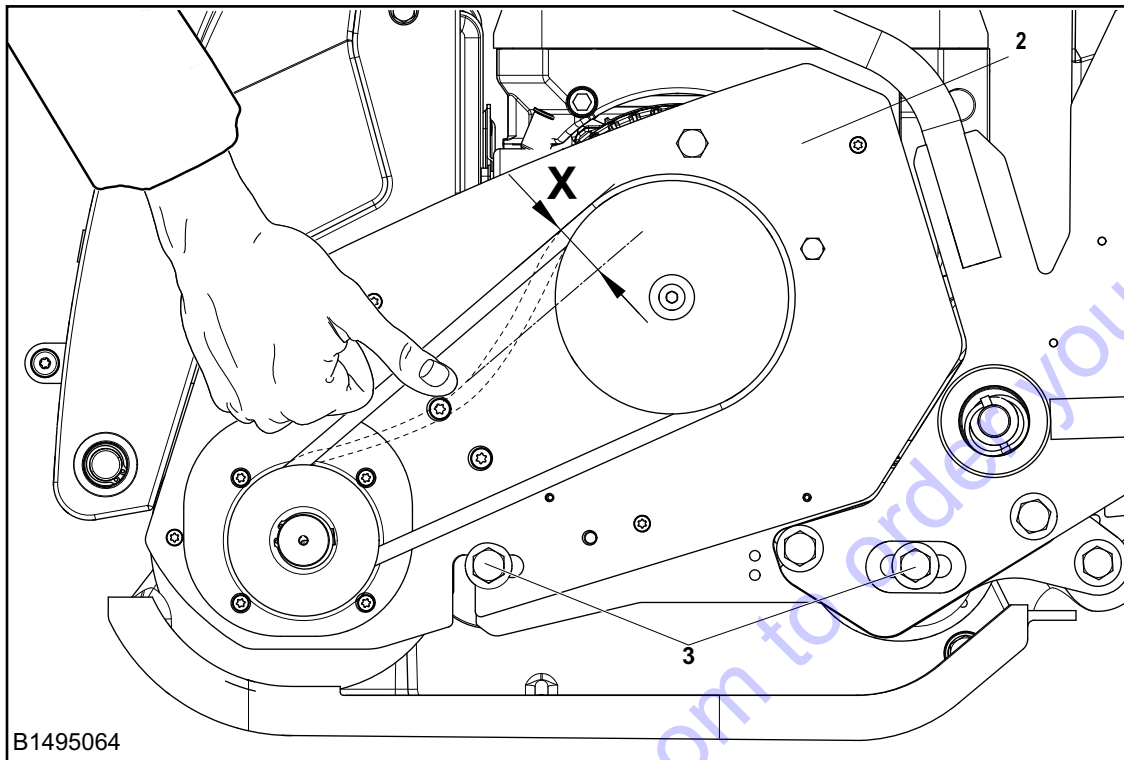
To check the V-belt, do as follows:

1. Shut off the engine.
 2. Remove the V-belt guard (1).
 3. Check the condition of the V-belt (2), and replace it if damage is visible.
 4. Check the V-belt tension, and tighten if necessary.
- ✓ V-belt checked.

9. Machine maintenance

9.4.5 Tensing

To tension the V-belt, do as follows:



1. Shut off the engine.
 2. Remove the V-belt guard (1).
 3. Loosen the external fastening nut (3) of the rubber buffer.
 4. Tense the V-belt by sliding the V-belt frame rearward.
- **Push-through dimension X = approx. 10 mm.**
5. Make sure the buffers' pretension is even.
 6. Screw the rubber buffer tight.
 7. Rotate the drive by hand and check the pressure measurement again; correct if necessary.
 8. Install the belt guard.
- ✓ V-belt tensed.

10.1 General instructions

- Always abide by the safety regulations.
- Repairs are to be done only by qualified, specially authorized personnel.
- Read the operating and maintenance instructions again for correct operation and maintenance information if a fault occurs.
- If you cannot identify or rectify the cause of the fault by yourself, you should contact an Ammann Service branch office.
- Always check the most accessible or easiest to check first, then check for the causes (fuses, LEDs, etc.).
- Ensure that you never come into contact with rotating parts.

10. Troubleshooting

10.2 Malfunction charts

10.2.1 Engine/Machine

Possible cause	Solution	Remarks
Engine doesn't turn		
<ul style="list-style-type: none"> Battery is not inserted properly. Battery charge status is too low. Battery malfunction. Startup process done wrong 	<ul style="list-style-type: none"> Check whether the batteries are properly connected. See "9.2.3 Inserting the battery" Charging the battery Replace the battery. 	
Engine stops during operation		
<ul style="list-style-type: none"> Battery charge status is too low. Mechanical engine defect 	<ul style="list-style-type: none"> Charging the battery Repair the defect. 	
Engine runs, machine does not move forward		
<ul style="list-style-type: none"> V-belt too loose. V-belt torn. Linings of the centrifugal clutch are worn out. Too much oil in the exciter. Hydraulic system defect 	<ul style="list-style-type: none"> Retense V-belt Replace V-belt. Replace linings and springs. Check oil level in exciter. Contact Ammann service. 	<ul style="list-style-type: none"> Contact Ammann service.
Warning display flashes		
<ul style="list-style-type: none"> Protection function is activated. During engine startup, the operating switch was pressed while the start/stop switch was in the start position. The engine gets hot. Operation display lights up. 	<ul style="list-style-type: none"> Contact Honda service. Press the start/stop switch in the STOP position and press the operating switch. Shut off the engine and wait for it to cool. 	<ul style="list-style-type: none"> Contact Honda service..
Fault display lights up		
<ul style="list-style-type: none"> Protection function is activated Plug pulled out during operation. 	<ul style="list-style-type: none"> Contact Honda service. Restarting after checking that the plug is correctly seated 	<ul style="list-style-type: none"> Contact Honda service.

10.2.2 Battery

Display		Charge status	Possible cause	Solution	Remarks
Warning	Error				
Flash	—	—	<ul style="list-style-type: none"> A problem was detected. 	<ul style="list-style-type: none"> Remove the battery from the device and wait 5 minutes. Press the test button for the charger. - If the warning display doesn't flash, the battery can be used normally. 	
		4 displays flash	<ul style="list-style-type: none"> A problem was detected. Surge protection 	<ul style="list-style-type: none"> Remove the battery from the device and wait 5 minutes. Press the test button for the charger. - If the warning display doesn't flash, the battery can be used normally Connect the battery back to the machine or charger. Check whether the charging process works properly. - If the charging process has started properly, the battery can be used normally. 	
		1 display flashes	<ul style="list-style-type: none"> A problem was detected. Low voltage protection 	<ul style="list-style-type: none"> Remove the battery from the device and wait 5 minutes. Press the test button for the charger. - If the warning display doesn't flash, the battery can be used normally. 	
—	Lights up	—	<ul style="list-style-type: none"> A problem was detected with the indicated device or charger, or a malfunction in the battery. 	<ul style="list-style-type: none"> Remove the battery from the device, wait 5 minutes. Press the test button for the charge status. - If the fault display doesn't light up, the battery can be used normally. Connect the battery back to the machine or charger. Check whether the charging process works properly. - If the charging process has started properly, the battery can be used normally. 	
	Flashes		<ul style="list-style-type: none"> A malfunction was detected. 	<ul style="list-style-type: none"> Battery is empty. 	

10. Troubleshooting

10.2.3 Battery charger

Possible cause	Solution	Remarks
The charging process doesn't start		
<ul style="list-style-type: none">• The power plug is not connected to a socket.• The charging plug is not connected to the battery plug.	<ul style="list-style-type: none">• Connect the power plug correctly to the socket.• Connect the charging plug correctly to the battery plug.	
Charging process ended prematurely		
<ul style="list-style-type: none">• Battery has not cooled enough. The high temperature protection function stops the charging process.	<ul style="list-style-type: none">• Let the battery cool.• Insert the battery so that there is no gap between the battery charger's inlet opening and the battery's outlet opening.	
Fault display lights up		
<ul style="list-style-type: none">• Protection function is activated.	<ul style="list-style-type: none">• Contact Honda service.• Restarting after checking that the plug is correctly seated	

11.1 Machine

11.1.1 Storage

When shutting down the machine for an extended time (longer than 6 weeks), it should be placed on even, firm ground stably on a pallet.

- Remove the battery from the machine.
- The storage location should be dry, protected and have low air humidity.
- The ambient temperature should be between 0°C and 30°C and be subject to no strong temperature deviations.
- The machine before storage:
 - Clean thoroughly.
 - Check for leaks and damage — repair any defects found.
 - Cover with a protective tarp.

11.1.2 Recommissioning

- Before recommissioning, check the machine:
 - for leaks,
 - for defects or leaky hydraulic hoses, or
 - other damage.
- Repair any defects found.
- Check and retighten all screw joints.

11. Storage

11.2 Battery

NOTE



Danger of damage to the battery from entering water or humidity.

- ♦ To not store the battery in moist locations. This can cause malfunctions.
- ♦ A short circuit on the battery can cause burns or fire.

NOTE



Danger of damage to the battery from improper long-term storage.

Improper long-term storage can deteriorate the battery or make it unusable.

- ♦ Do not get the battery wet or store it in very warm locations. This can cause malfunctions or deteriorate the battery.
- ♦ A short circuit on the battery can cause burns or fire.

11.2.1 Battery charge status for storage

Display	Charge
	Long-term storage is not possible. The battery deteriorates when it is stored that way. Use the battery to discharge it to a suitable charge status for long-term storage.
	Long-term storage is possible.
	Check the charge status once a year. If only one charge status indicator flashes, continue charging until charge status indicators 1 to 3 light up.
	Long-term storage is not possible. The battery discharges when it is stored in this state and can become unusable. Charge the battery until charge status indicators 1 to 3 light up.
= Flashes = On = Off	


11.2.2 Storage

- Charge the battery adequately for long-term storage. (See charge status table.)
- Remove the battery from the device.
- The battery must be placed on an even, solid surface.
- The storage location should be dry, protected and have low air humidity.
- The ambient temperature should be between 0°C and 30°C and be subject to no strong temperature deviations.
- The battery before storage:
 - Clean thoroughly with a clean, dry cloth.
 - Check for damage — repair any defects found.
- During storage, check the battery's charge status once a year.

11.2.3 Recommissioning

- Before recommissioning the battery:
 - Check for damage — repair any defects found.
 - Check the charge status.
 - Fully charge the battery.

11.3 Battery charger

	<p>IMPORTANT INFORMATION</p> <ul style="list-style-type: none">◆ Protect cable from heat, cold, moisture and other physical or chemical effects.◆ Never abuse the cable, such as by pulling or lifting from machines.◆ Protect cable from sharp objects or edges.◆ Never place objects on the cable.◆ For disconnecting cable plug connections:<ul style="list-style-type: none">- Never pull on the cable.- When removing, grasp the plug directly.
-----------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

11.3.1 Storage

- The charger must be placed stably on an even, solid surface.
- The storage location should be dry, protected and have low air humidity.
- Remove the battery from the charger,
- Pull the power plug from the socket.
- The charger before storage:
 - Clean thoroughly with a clean, dry cloth.
 - Check for damage — repair any defects found.

11.3.2 Recommissioning

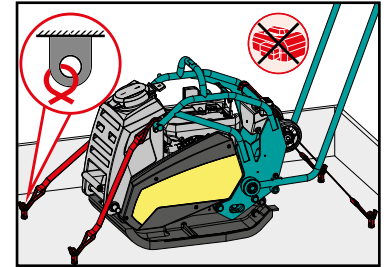
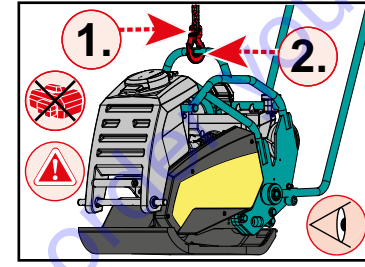
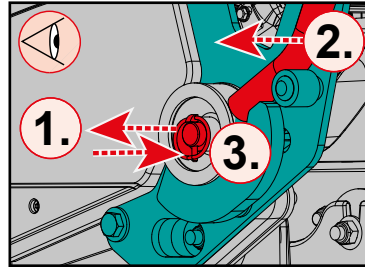
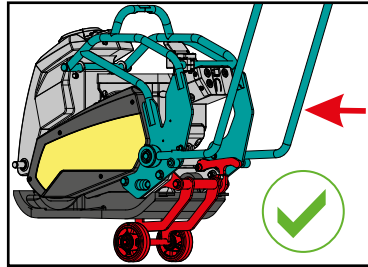
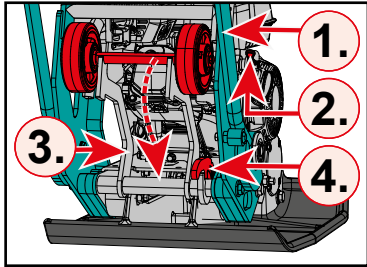
- Before recommissioning the charger:
 - Check for damage — repair any defects found.

Go to Discount-Equipment.com to order your parts

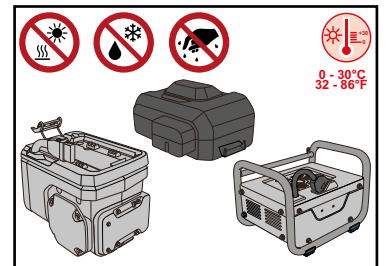
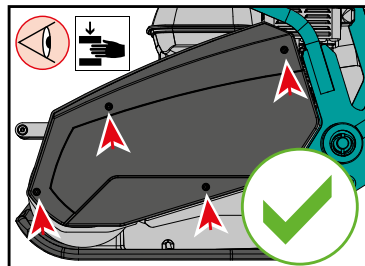
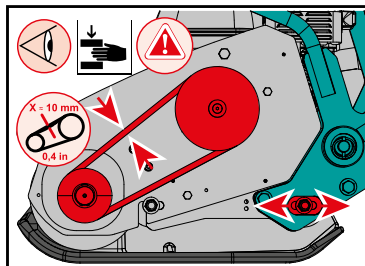
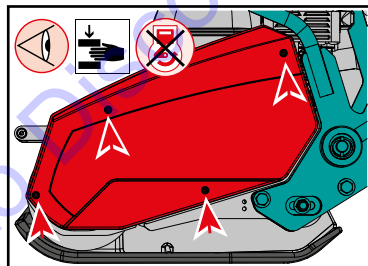
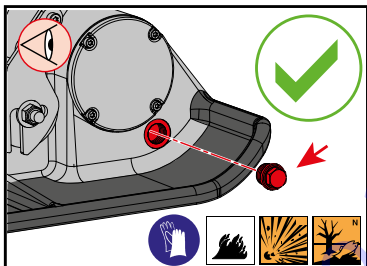
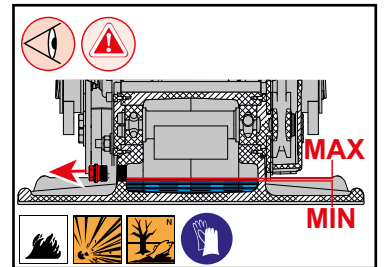
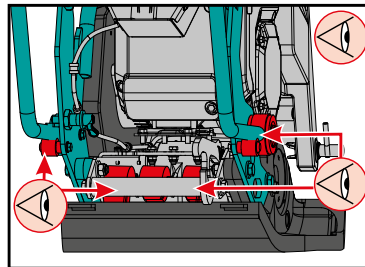
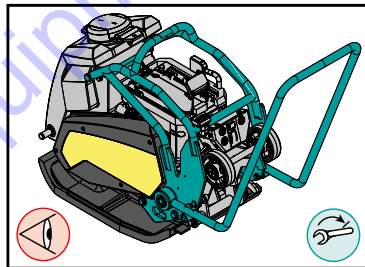
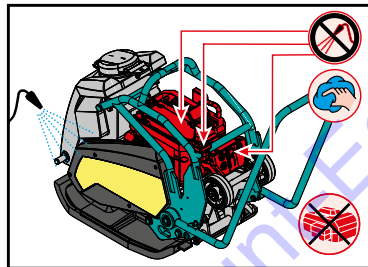
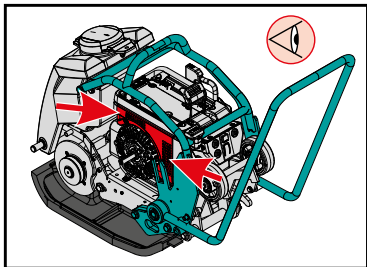
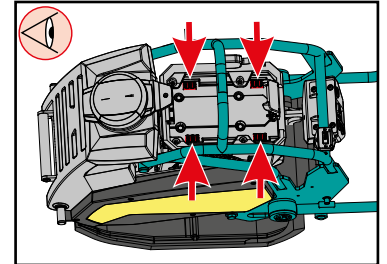
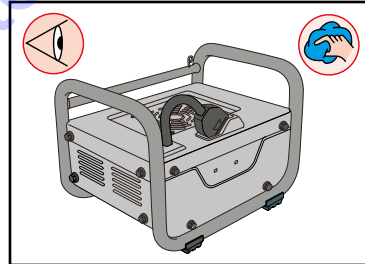
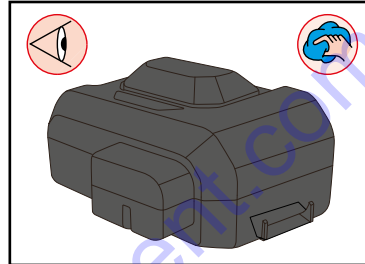
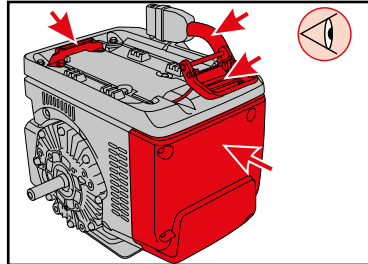
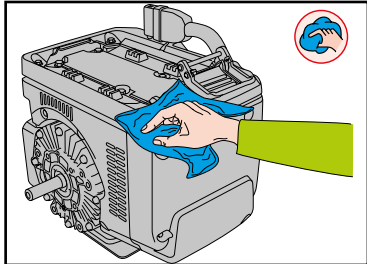
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This is a quick start guide, also note the detailed operating instructions!

Transport



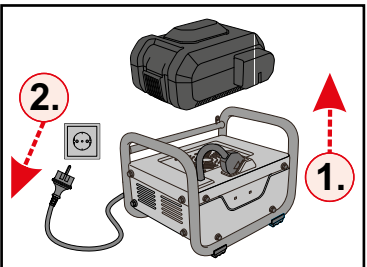
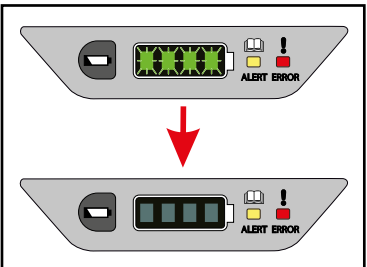
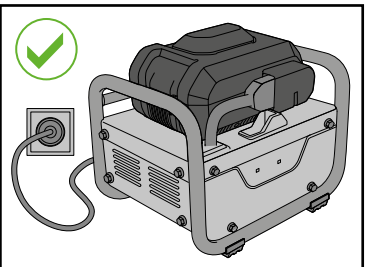
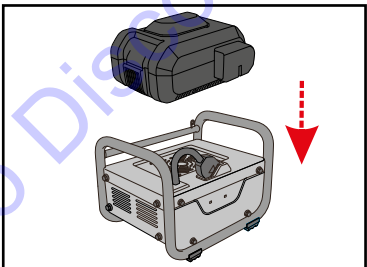
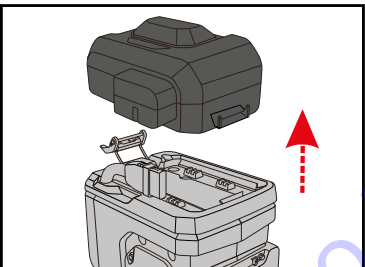
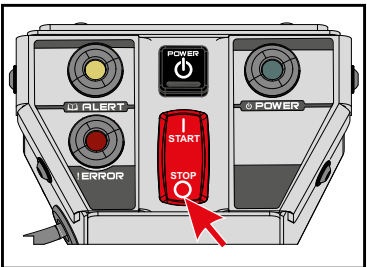
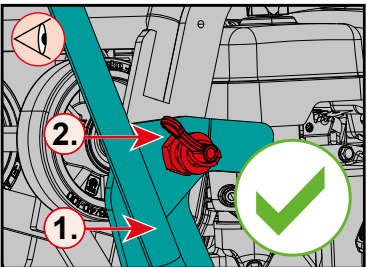
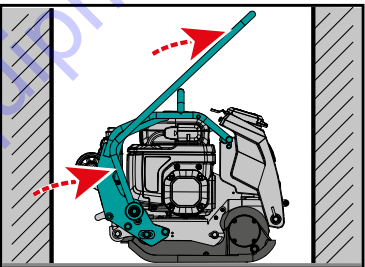
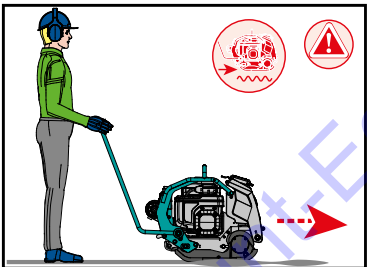
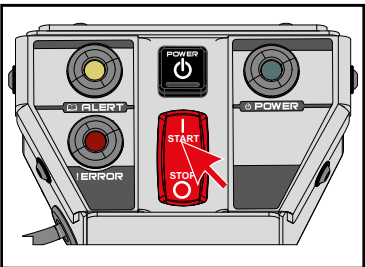
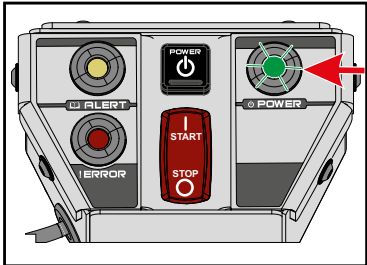
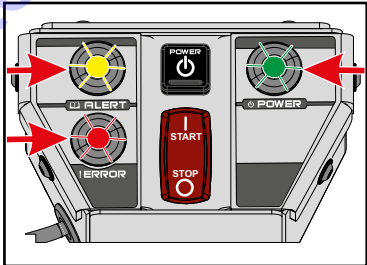
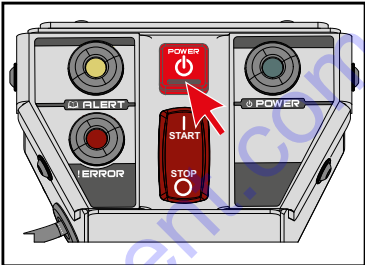
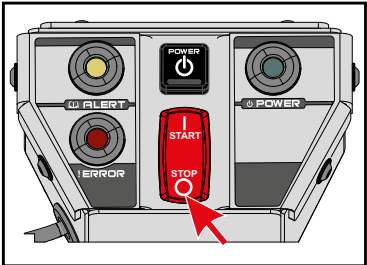
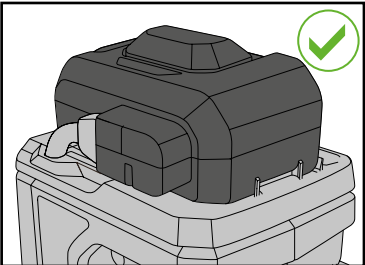
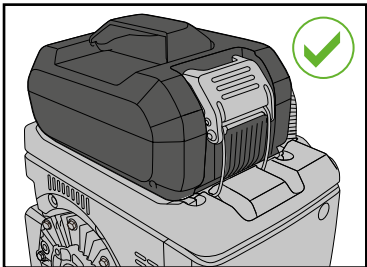
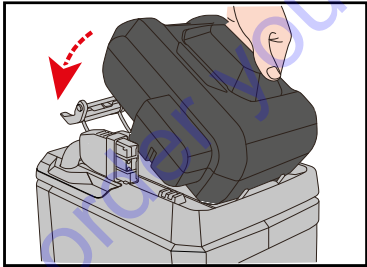
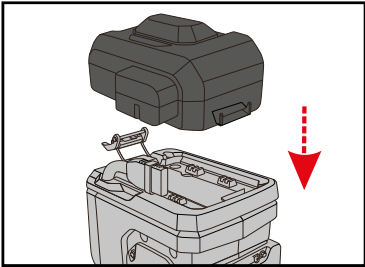
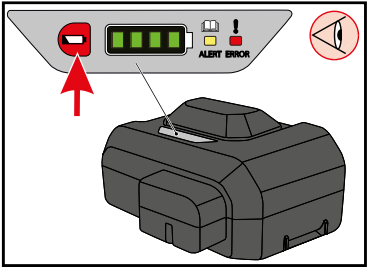
Cleaning | Maintenance



eAPF 12/40

This is a quick start guide, also note the detailed operating instructions!

Operation



KUNDENDATEN

Firma _____ Staat _____
Adresse _____
PLZ _____ Stadt _____
Telefon _____ E-Mail _____

HÄNDLER _____	Staat _____	
Adresse _____	Stadt _____	PLZ _____
Verkaufes Datum _____	Maschinen Type _____	S/N _____
Motor _____	Modell _____	Motor S/N _____
Drehzahlmesser _____	Zubehör _____	

☒ **Bezeichnet Unterweisung über Bedienung und Wartung der Maschine bei der Übergabe an den Benutzer.**

1. ALLGEMEIN

(Prüfung, Kontrolle / Motor AUS)

- ☐ Luftfilterpatrone
☐ Sicherheitssymbole

2. FLÜSSIGKEITSSTÄNDE

(Vor dem Starten prüfen)

- ☐ Kraftstoff
☐ Motoröl
☐ Hydraulik
☐ Batterie

3. SCHMIERUNG

(Vor dem Starten prüfen)

- ☐ Steuerung
☐ Vibrationsantrieb

4. ELEKTRISCHE FUNKTIONEN

(Motor AUS)

- ☐ Warnanlagen
☐ Trennschalter
☐ Elektrisches Zubehör

5. BETÄTIGUNGSELEMENTE

(Start / Motor AN)

- ☐ Kontrollleuchten
☐ Vibrationssystem
☐ ACE Vibrationssystem
☐ Minimale Motordrehzahl
☐ Maximale Motordrehzahl

6. MASCHINENZUBEHÖR

(Übergabe kontrollieren)

- ☐ Schlüsselsätze zum Maschinenbetrieb
☐ Listen des Maschinenzubehörs
☐ Betriebsanleitung
☐ Ersatzteilkatalog
☐ Service-Buch
☐ Betriebsanleitung des Motors
☐ Ersatzteilkatalog des Motors

Sehr geehrter Kunde,

die Registrierung des Erzeugnisses der AMMANN Group ist eine Bedingung für den Beginn der Garantie und eine Voraussetzung zur guten Wartung der Maschine. Bitte, machen Sie sich mit dem Inhalt dieser Registrierkarte vertraut und stellen Sie sicher dass sie ordentlich ausgefüllt wird.

Unterschrift d. Verkäufers _____

Unterschrift d. Käufers _____

Hinweis:

Ammann Maschinen können mit Telematik-Hardware ausgerüstet sein. Falls ihre Maschine mit einer solchen ausgerüstet ist, so sendet diese Telematik-Hardware in regelmässigen Abständen Maschinendaten an das Ammann Telematik-Portal „Ammann ServiceLink“, wo Ammann diese Daten einsehen, bearbeiten und weiterleiten (auch an Dritte) kann. Hierbei werden explizit keine personenbezogenen Daten, oder Daten, die auf Personen Rückschlüsse ziehen lassen, übertragen. Mit einer Registrierung auf myAmmann.com können Sie über die Applikation „Ammann ServiceLink“ auch Ihre Maschinendaten einsehen. Mit Ihrer Unterschrift bestätigen Sie, dass sie betreffend Übertragung von Maschinendaten informiert sind und deren Verwendung wie oben beschrieben zustimmen.

Mit der Unterzeichnung dieser Registrierungskarte erkläre ich mich mit der Aufnahme meiner personenbezogenen Daten in die AMMANN-Marketingdatenbank so wie der Erhebung, Verarbeitung und Nutzung der Daten zum Zweck des Angebots von Waren und Dienstleistungen einverstanden. Dieser Inhalt gilt bis zum schriftlichen Widerruf durch mich.

Diesen Teil der Registrierkarte wird der Verkäufer an den Hersteller senden.

Warranty department | Ammann Verdichtung | Josef-Dietzgen-Straße 36 | DE-53773 Hennef
Phone +49 2242 8802 0 | Direct +49 2242 8802 37 | Fax +49 (0) 2242 8802 89
warranty.hennef@ammann.com | www.ammann.com

KUNDENDATEN

Firma _____ Staat _____
Adresse _____
PLZ _____ Stadt _____
Telefon _____ E-Mail _____

HÄNDLER _____	Staat _____	
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Motor _____	Modell _____	Motor S/N _____
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☐ Batterie

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Mit der Unterzeichnung dieser Registrierungskarte erkläre ich mich mit der Aufnahme meiner personenbezogenen Daten in die AMMANN-Marketingdatenbank so wie der Erhebung, Verarbeitung und Nutzung der Daten zum Zweck des Angebots von Waren und Dienstleistungen einverstanden. Dieser In halt gilt bis zum schriftlichen Widerruf durch mich.

Diesen Teil der Registrierkarte ver bleibt beim Verkäufer.

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warranty.hennef@ammann.com | www.ammann.com

KUNDENDATEN

Firma _____ Staat _____
Adresse _____
PLZ _____ Stadt _____
Telefon _____ E-Mail _____

HÄNDLER _____	Staat _____	
Adresse _____	Stadt _____	PLZ _____
Verkaufes Datum _____	Maschinen Type _____	S/N _____
Motor _____	Modell _____	Motor S/N _____
Drehzahlmesser _____	Zubehör _____	

☒ **Bezeichnet Unterweisung über Bedienung und Wartung der Maschine bei der Übergabe an den Benutzer.**

1. ALLGEMEIN

(Prüfung, Kontrolle / Motor AUS)

- ☐ Luftfilterpatrone
☐ Sicherheitssymbole

2. FLÜSSIGKEITSSTÄNDE

(Vor dem Starten prüfen)

- ☐ Kraftstoff
☐ Motoröl
☐ Hydraulik
☐ Batterie

3. SCHMIERUNG

(Vor dem Starten prüfen)

- ☐ Steuerung
☐ Vibrationsantrieb

4. ELEKTRISCHE FUNKTIONEN

(Motor AUS)

- ☐ Warnanlagen
☐ Trennschalter
☐ Elektrisches Zubehör

5. BETÄTIGUNGSELEMENTE

(Start / Motor AN)

- ☐ Kontrollleuchten
☐ Vibrationssystem
☐ ACE Vibrationssystem
☐ Minimale Motordrehzahl
☐ Maximale Motordrehzahl

6. MASCHINENZUBEHÖR

(Übergabe kontrollieren)

- ☐ Schlüsselsätze zum Maschinenbetrieb
☐ Listen des Maschinenzubehörs
☐ Betriebsanleitung
☐ Ersatzteilkatalog
☐ Service-Buch
☐ Betriebsanleitung des Motors
☐ Ersatzteilkatalog des Motors

Sehr geehrter Kunde,

die Registrierung des Erzeugnisses der AMMANN Group ist eine Bedingung für den Beginn der Garantie und eine Voraussetzung zur guten Wartung der Maschine. Bitte, machen Sie sich mit dem Inhalt dieser Registrierkarte vertraut und stellen Sie sicher dass sie ordentlich ausgefüllt wird.

Unterschrift d. Verkäufers _____

Unterschrift d. Käufers _____

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Registration Card



CUSTOMER DATA

Company Name _____ Country _____
Address _____
Postcode _____ City _____
Phone _____ E-Mail _____

DEALER _____	Country _____	
Address _____	City _____	Postcode _____
Date of Sale _____	Machine Type _____	S/N _____
Motor _____	Modell _____	Engine S/N _____
Tachometer _____	Accessoires _____	

☒ Indicates familiarization with the machine operation and maintenance upon its handover to the user.

1. IN GENERAL

(Check, adjustment / engine off)

- ☐ Air filter cartridge
- ☐ Machine safety symbols

2. LIQUID LEVELS

(Check before starting)

- ☐ Fuel
- ☐ Engine oil
- ☐ Hydraulic oil
- ☐ Battery

3. LUBRICATION

(Check before starting)

- ☐ Articulated pivot/steering
- ☐ Vibration drive system

4. ELECTRICAL FUNCTIONS

(Check, adjustment / engine off)

- ☐ Warning devices
- ☐ Disconnecting switch
- ☐ Electrical accessories

5. CONTROLS

(Start / engine running)

- ☐ Controls
- ☐ Vibrations system
- ☐ ACE Vibrator system
- ☐ Minimum engine speed
- ☐ Maximum engine speed

6. MACHINE ACCESSOIRES

(Check handover)

- ☐ Wrench set for operation
- ☐ List of machine accessories
- ☐ Operating manual
- ☐ Spare parts list
- ☐ Service book
- ☐ Engine operating manual
- ☐ Engine spare parts list

Dear Customer,

This Registration of the AMMANN product is necessary for the commencement of the warranty and a prerequisite to good maintenance of the machine. Please read this Registration Card and ensure that it is filled in property

Dealer's Signature _____

Buyer's Signature _____

Remark:

Machines can be equipped with Telematik-Hardware. If your machine is equipped with one, this Telematik-Hardware sends machine data to the Ammann Telematik-Portal „Ammann ServiceLink“ at regular intervals. There Ammann can view, edit data and forward (including to third parties). No personal data is explicitly used here, or data that allows conclusions to be drawn about persons. By registering on myAmmann.com, you can also view your machine data using the “Ammann ServiceLink” application. With your signature you confirm that you have been informed about the transfer of machine data and that you agree to their use as described above.

By signing this Registration Card, I give my consent to the inclusion of my personal data in the AMMANN marketing database, as well as the collection, processing and use of the data for the purpose of offering goods and services. This content shall be valid until revoked by me in writing.

This part of the Registration Card shall be sent by the dealer to the manufacturer.

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