

STANLEY®

SRP COMPACTION REVERSIBLE PLATE



SRP 2240
SRP 3050
SRP 3860

USER MANUAL Safety, Operation and Maintenance



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New Britain, CT 06053
U.S.A.
74922 9/2016 Ver 4

DECLARATION OF CONFORMITY

DECLARATION OF CONFORMITY
 ÜBEREINSTIMMUNGS-ERKLÄRUNG
 DECLARATION DE CONFORMITE CEE
 DECLARACION DE CONFORMIDAD
 DICHIARAZIONE DI CONFORMITA



I, the undersigned:
 Ich, der Unterzeichnende:
 Je soussigné:
 El abajo firmante:
 Io sottoscritto:

Weisbeck, Andy

Surname and First names/Familiennamen und Vornamen/Nom et prénom/Nombre y apellido/Cognome e nome

hereby declare that the equipment specified hereunder:, bestätige hiermit, daß erklaren Produkt genannten Werk oder Gerät.,
 déclare que l'équipement visé ci-dessous:, Por la presente declaro que el equipo se especifica a continuación:,
 Dichiaro che le apparecchiature specificate di seguito:

- Category: **Compaction Reversible Plate**
 Kategorie:
 Catégorie:
 Categoría:
 Categoria:
- Make/Marke/Marque/Marca/Marca **Stanley**
- Type/Typ/Type/Tipo/Tipo: **SRP 22401H, SRP30501H, SRP 38601H**
- Serial number of equipment:
 Seriennummer des Geräts:
 Numéro de série de l'équipement:
 Numero de serie del equipo:
 Matricola dell'attrezzatura:

All
- Mass/Masse/Masse/Masa/Massa 100 kg / 242 kg – 200 kg / 203 kg

Has been manufactured in conformity with, Wurde hergestellt in Übereinstimmung mit, Est fabriqué conformément
 Ha sido fabricado de acuerdo con, E' stata costruita in conformità con

Directive/Standards Richtlinie/Standards Directives/Normes Directriz/Los Normas Direttiva/Norme	No. Nr Numéro No n.	Approved body Prüfung durch Organisme agréé Aprobado Collaudato
Machinery Directive	2006/42/EG 2006/42/EC 2006/42/CE 2000/14/EG 2000/14/EC 2000/14/CE 2005/88EG 2005/88/EC 2005/88/CE 2004/108/EG 2004/108/EC 2004/108/CE	Self Self Self Self Self Self Self Self Self Self Self Self
Measurements: Messungen Mesures Mediciones Misurazioni	SRP 2240 Honda GX120 2.9 kW 104 dB 105 dB*	SRP 3050 Honda GX270 6.3 kW 105 dB 108 dB*
	SRP 3860 Honda GX270 6.3 kW 105 dB 108 dB*	

- Special Provisions: Harmonized standards: EN 500-1; EN500-4
 Spezielle Bestimmungen:
 Dispositions particulières:
 Provisiones especiales:
 Disposizioni speciali:
- Measurements: **Measured Sound Power Level**
 Messungen: **Guaranteed Sound Power Level***
 Mesures: Annex VIII of 2000/14/EC
 Mediciones:
 Misurazioni:
- Representative in the Union: **Patrick Vervier, Stanley Dubuis 17-19, rue Jules Berthonneau-BP 3406 41034 Blois Cedex, France.**
 Vertreter in der Union/Représentant dans l'union/Representante en la Union/Rappresentante presso l'Unione

Done at/Ort/Fait à/Dado en/Fatto a Stanley Hydraulic Tools, Milwaukie, Oregon USA Date/Datum/le/Fecha/Data 15-04-2015


Signature/Unterschrift/Signature/Firma/Firma 
 Position/Position/Fonction/Cargo/Posizione Director of Product Development

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IMPORTANT

To fill out a Product Warranty Validation form, and for information on your warranty, visit Stanleyhydraulics.com and select the Company tab, Warranty.
(NOTE: The warranty Validation record must be submitted to validate the warranty).

SERVICING: This manual contains safety, operation, and routine maintenance instructions. Stanley Hydraulic Tools recommends that servicing this machine, other than routine maintenance, must be performed by an authorized and certified dealer. Please read the following warning.

⚠ WARNING

SERIOUS INJURY OR DEATH COULD RESULT FROM THE IMPROPER REPAIR OR SERVICE OF THIS TOOL.

REPAIRS AND / OR SERVICE TO THIS TOOL MUST ONLY BE DONE BY AN AUTHORIZED AND CERTIFIED DEALER.

For the nearest authorized and certified dealer, call Stanley Hydraulic Tools at the number listed on the back of this manual and ask for a Customer Service Representative.

SAFETY SYMBOLS

Safety symbols and signal words, as shown below, are used to emphasize all operator, maintenance and repair actions which, if not strictly followed, could result in a life-threatening situation, bodily injury or damage to equipment.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

This safety alert and signal word indicate an imminently hazardous situation which, if not avoided, will result in death or serious injury.

This safety alert and signal word indicate a potentially hazardous situation which, if not avoided, could result in death or serious injury.

This safety alert and signal word indicate a potentially hazardous situation which, if not avoided, could result in death or serious injury.

This signal word indicates a potentially hazardous situation which, if not avoided, may result in property damage.

This signal word indicates a situation which, if not avoided, will result in damage to the equipment.

This signal word indicates a situation which, if not avoided, may result in damage to the equipment.

Always observe safety symbols. They are included for your safety and for the protection of the tool.

LOCAL SAFETY REGULATIONS

Enter any local safety regulations here. Keep these instructions in an area accessible to the operator and maintenance personnel.

FOREWORD



These instructions include:

- Safety regulations
- Operating instructions
- Maintenance instructions

These instructions have been prepared for operation on the construction site and for the maintenance engineer.

These instructions are intended to simplify operation of the machine and to avoid malfunctions through improper operation. Observing the maintenance instructions will increase the reliability and service life of the machine when used on the construction site and reduce repair costs and downtimes.

Always keep these instructions at the place of use of the machine.

Only operate the machine as instructed and follow these instructions.

Also observe the corresponding rules and regulations valid in your country. Always comply with the safety provisions in your county and state.

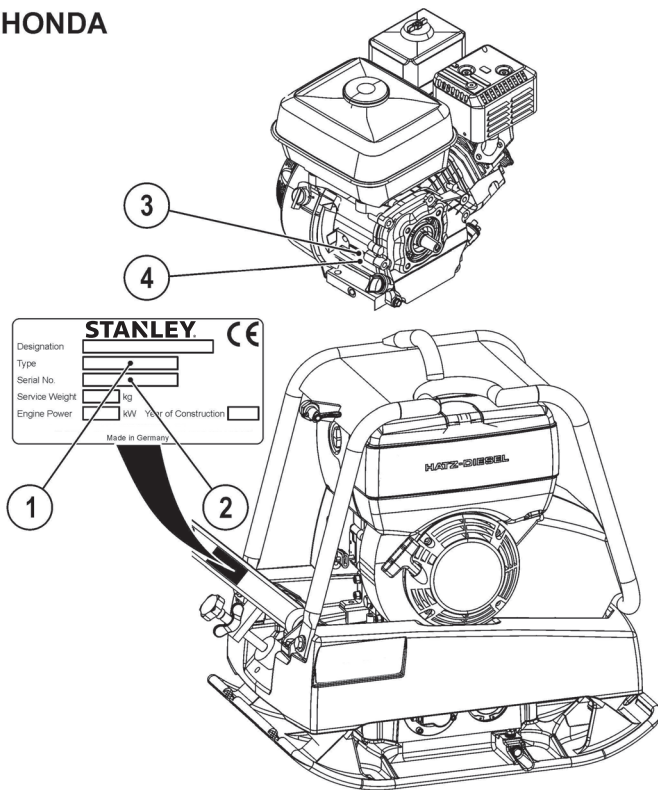
Stanley is not liable for the function of the machine when used in an improper manner and for other than the intended purpose.

Operating errors, improper maintenance and the use of incorrect operating materials are not covered by the warranty.

The above information does not extend the warranty and liability conditions of business of Stanley.

We reserve us the right to make changes due to technical development without announcement.

HONDA



PLEASE ENTER (DATA ON MACHINE TYPE PLATE)

1. MACH.-TYPE: _____

2. MACH.-NO.: _____

3. ENGINE-TYPE: _____

4. ENGINE-NO.: _____

Stanley Hydraulic Tools
3810 SE Naef Rd
Milwaukie, OR 97267
Ph: 503-659-5660
Fax: 503-652-1780
www.stanleyhydraulics.com

SAFETY

This Stanley machine has been built according to the state of the art in compliance with the pertinent rules. Nevertheless, these machines can still constitute a hazard to persons and property if:

- not used for the intended purpose,
- not operated by suitably qualified and instructed personnel,
- modified or converted in an improper manner,
- the pertinent safety regulations are not observed

For this reason, any person entrusted with the operation, maintenance or repair of the machine is obliged to read and follow the operating instructions and particularly to observe the safety regulations. If necessary, it must be confirmed by the signature of the company using the machine.

Furthermore, the following must be made known and observed:

- pertinent regulations for the prevention of accidents,
- generally recognized safety rules,
- country-specific regulations

Normal use

The machine is suitable for all compaction jobs in civil works and road construction. All ground materials such as sand, gravel, sludge, crushed stone, asphalt and composite sett paving can be compacted.

Improper use

The machine can constitute hazards if not used by instructed personnel or for other than the intended purpose.

Weighing down and riding on the machine is forbidden.

The machine must not be used on slopes with a gradient of more than 25° (Honda 20°).

Do not use the machine on hard concrete, set asphaltic surfaces, highly frozen or unstable surfaces.

Who is allowed to operate the machine?

Only suitable qualified, instructed and authorised persons over 18 years of age may operate the machine.

In variance from this, minors can be employed, as long as it is necessary to their training objective and their protection is assured by a supervisor.

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

Maintenance and repairs, in particular of hydraulic systems and electronic components require special knowledge and must be carried out only by skilled persons (mechanics specialising in construction and agricultural machinery).

Conversions and modifications to the machine

Unauthorized modifications and conversion of the machine are not permitted for safety reasons.

Spare parts and special equipment not delivered by us are also not approved by us. The installation and/or the use of such parts can also have a detrimental effect on the operating safety.

The manufacturer disclaims all liability for any damage resulting from the use of non-original parts or special equipment.

Safety information contained in the operating and maintenance instructions

The following terms and symbols are used in this operating manual that draw attention to important information:



Attention

Refers to special information and/or orders and prohibitions directed towards preventing damage



Danger

Refers to orders and prohibitions designed to prevent injury or extensive damage.



Important

Refers to special information on how to use the machine most efficiently.

Transporting the machine

Only load and transport the machine as specified in the operating instructions.

Only use suitable means of transport and hoisting with sufficient loading capacity!

Attach suitable slinging means to the points of attachment provided.

Secure the machine to prevent it from tilting or slipping.

It is highly dangerous to walk or stand under suspended loads.

Secure the machine on transport vehicles to prevent it from rolling, slipping and tilting.

Starting the machine

Prior to starting

Familiarise yourself with the operating and control elements and the mode of operation of the machine and the working environment. This includes, e.g. obstacles in the working area, loading capacity of the ground and the necessary safety provisions. Use personal protective equipment (safety footwear, hearing protectors, etc.).

Check to ensure that all safety devices are firmly in place.

Do not start the machine if instruments or control devices are faulty.

Starting

For machines with hand start, only use the safety cranks tested by the manufacturer, and precisely follow the operating instructions of the motor manufacturer.

To crank-start diesel motors; Important is the correct position to the motor and the correct hand position on the crank.

The hand crank must be turned with maximum force until the motor starts, otherwise the crank can rebound.

Precisely follow the starting and stopping procedures specified in the operating instructions and observe indicator lights.

Only start and operate machines with an electrical starter from the instrument panel.

Starting and operation of the machine in potentially explosives atmospheres is forbidden!

Starting with battery junction cables

Connect «positive» to «positive» and «negative» to «negative» (earthing lead). Always connect the earthing lead last and disconnect first! Incorrect connection will cause serious damage to the electrical system.

Starting in enclosed spaces, tunnels, mines or deep ditches

Engine exhaust gas are highly dangerous!

For this reason, when operating the machine in enclosed spaces, tunnels, mines or deep ditches, it is important to ensure that there is sufficient air to breath (see UVV «Construction work», BGV C22, paragraphs 40 and 41).

SAFETY

Machine control

Operating devices which adjust themselves automatically when released in normal use, must not be locked.

Check protective devices and brakes for proper functioning prior to operation.

When reversing, particularly on the edges and banks of ditches, as well as in front of obstacles, the machine operator cannot fall or be crushed.

Always keep a safe distance away from the edges and banks of ditches and refrain from any actions which could cause the machine to topple over!

Always control the machine, so that hand injuries through hard objects are avoided!

Always ascend slopes carefully in a direct path.

Reverse up steep slopes to prevent the machine from toppling over on to the machine operator.

If faults on the safety devices or other faults detrimental to the safe operation of the machine are noticed, operation of the machine must be stopped immediately and the faults remedied.

When undertaking compaction work in the vicinity of buildings or above pipelines and similar, check the effect of the vibrations on the buildings and pipes and stop compaction work if necessary.

Parking the machine

Park the machine on a firm and level surface.

Shutdown the drive and secure it to prevent accidental movement and unauthorized use. If available, close the fuel valve. Do not place or store equipment with integrated moving gear on the chassis. The moving device is intended only for transportation purposes.

Filling Fuel

Only fill fuel by switched-off motor. No open fire, do not smoke.

Do not spill any fuel, collect discharging fuel in a suitable container, prevent fuel from seeping into the soil.

Ensure that the filler cap is tight.

Leaky fuel tanks constitute an explosion hazard and must therefore be replaced immediately.

Maintenance and repairs

Observe the maintenance, inspection and adjustments and intervals specified in the operating instructions, as well as the information for part replacement.

Maintenance work must be undertaken only by qualified and authorised persons.

Maintenance and repairs only by switched-off drive.

Only carry out maintenance and repairs when the machine is parked on a firm and even surface and is secured to prevent it from rolling.

When changing larger assemblies and individual components, only use suitable and perfectly functioning hoisting and lifting gears with suitable loading capacity. Attach and secure parts on hoisting carefully!

Spare parts must comply with the technical requirements of the manufacturer. Therefore only use original spare parts.

Hydraulic lines must previously be rendered pressureless, before working on them. Hydraulic oil discharging under pressure can cause serious injuries.

Work on hydraulic devices must be undertaken only by persons with a special knowledge of hydraulics and the necessary experience!

Do not adjust pressure relief valves.

Drain hydraulic oil at operating temperature—caution risk of scalding!

Collect discharging hydraulic oil and dispose of the same in an environmentally-friendly manner.

Do not start the motor when hydraulic oil has been drained off.

After completing all work (by pressureless system), inspect all connections and bolted connections for leaks.

Inspect all hoses and bolted connections for leaks at regular intervals and externally visible damage! Rectify any damage immediately.

Replace externally damaged hydraulic hose lines at regular intervals (depending on time used), even when no safety-relevant faults are visible.

Before working on the electrical system of the machine, disconnect the battery and insulate by covering or remove.

Inspect the electrical equipment of the machine at regular intervals. Faults such as loose connections, worn or scorched cables must be immediately eliminated.

During transport, secure the battery to prevent it from tilting, short-circuit, slipping and damage.

Dispose of used batteries in a proper manner. Do not place any tools on the battery.

Handling acid-batteries

Transport filled batteries upright to prevent acid spillage.

Keep away from sparks, open fire and other sources of ignition. Avoid contact of acid with skin and clothing. In case of contact, wash off acid immediately with clear water and go to medical institution.

Properly refit and inspect all protective devices after maintenance and repairs.

Testing

Road rollers, trench rollers and vibrating plates must be tested for safety by an expert depending on the particular application and operating conditions as required, however at least once a year.

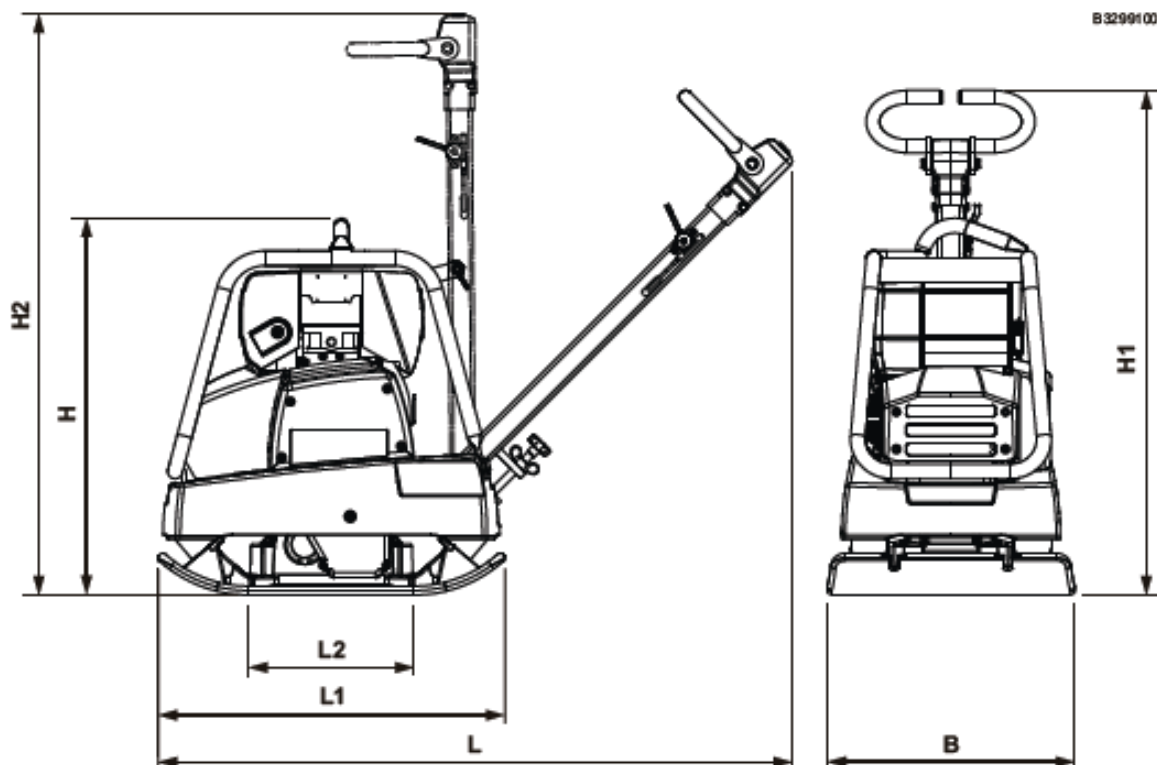
Disposal of the machine after finish of its service life

At disposal of the machine after finish of its service life, the owner is obliged to comply with national regulations and laws on wastes and protection of environment. Therefore we recommend in such cases to contact the following:

- professional specialized companies engaged in such activities and having the relevant certificate
- the manufacturers or contracting service organizations authorized by him.

The manufacturer is not responsible for damages to health of owners neither for damages to the environment in events of failing to comply with above mentioned hygienic and ecological principles.

TECHNICAL DATA



	SRP 2240 (HONDA)	SRP 3050 (HONDA)	SRP 3860 (HONDA)
1. DIMENSIONS			
LENGTH L	1140 MM / 44.8 IN	1140 MM / 44.8 IN	1365 MM / 53.7 IN
LENGTH L1	600 MM / 23.6 IN	700 MM / 27.56 IN	860 MM / 33.8 IN
LENGTH L2	254 MM / 10.0 IN	330 MM / 12.99 IN	410 MM / 16.1 IN
HEIGHT H	610 MM / 24.0 IN	740 MM / 29.13 IN	750 MM / 29.5 IN
HEIGHT H1	1000 MM / 39.3 IN		
HEIGHT H2	1180 MM / 46.4 IN		
WORKING WIDTH B1	400 MM / 15.7 IN	500 MM / 19.69 IN	450 MM / 17.7 IN
WORKING WIDTH B2	----		600 MM / 23.6 IN
2 WEIGHTS			
BASIC UNIT B1	100 KG / 220.4 LB	199 KG / 438.72 LB	242 KG / 533.5 LB
BASIC UNIT B2	----	205 KG / 451.95 LB	257 KG / 566.5 LB
TRANSPORTATION KIT	+ 8 KG / 17.6 LB	+ 10 KG / 22.05 LB	
ELECTRICAL STARTER	----	----	
3. DRIVE			
MOTOR-TYPE	HONDA GX 120	HONDA GX 270	HONDA GX 270
TYPE OF CONSTRUCTION	1-CYL-4-STROKE GASOLINE		
POWER	2.9 KW (4.0 HP)	6,3 KW (8,6 HP)	
BY SPEED	3600 1/MIN	3100 1/MIN	
COOLING SYSTEM	AIR		
FUEL CONSUMPTION	0.9 L/H / 0.23 GAL/H	2.1 L/H / 0.55 GAL/H	
MAX. SLOPING POSITION	20°		
MAX. GRADE ABILITY	35 %		

TECHNICAL DATA

	SRP 2240	SRP 3050	SRP 3860
DRIVE	VIA CENTRIFUGAL CLUTCH AND V-BELT		
SHIFT (FORWARD / REVERSE)	HYDRAULIC		
4. SPEED			
BASIC UNIT B1	0-25 M/MIN / 82 FPM	0-22 M/MIN / 72.18 FPM	0-26 M/MIN / 85.3 FPM
BASIC UNIT B2	----	0-20 M/MIN / 65.62 FPM	0-26 M/MIN / 85.3 FPM
5. VIBRATION			
CENTRIFUGAL FORCE	22 KN	30 KN	38 KN
VIBRATION FREQUENCY	98 HZ	95 HZ	65 HZ
6. MAXIMUM PERFORMANCE			
BASIC UNIT B1	600 m ² /h	660 m ² /h	700 m ² /h
BASIC UNIT B2		720 m ² /h	936 m ² /h
7.			
	2.5 l / 0.66 gal	6.0 l / 1.59 gal	6.0 l / 1.59 gal
8. OPTIONAL EQUIPMENT			
VULKOLLAN MAT 16 IN. VULKOLLAN MAT 24 IN.	P/N-75185 ---	SEE PAGE 5 OF PARTS MANUAL	P/N-75264
TRANSPORTATION WHEELS	P/N-75885	P/N-76401	
	O = Option / S = Serial / — = Not available		
9. NOISE AND VIBRATION DATA			
THE FOLLOWING NOISE AND VIBRATION DATA ACCORDING TO EC MACHINERY DIRECTIVE IN THE VERSION (2006/42/EC), WAS DETERMINED, TAKING INTO ACCOUNT THE FOLLOWING STANDARDS AND DIRECTIVES. IN OPERATIONAL USE, VALUES CAN DEVIATE DEPENDING ON THE PREVAILING CONDITIONS.			
9.1 NOISE DATA			
THE NOISE DATA SPECIFIED IN APPENDIX 1, SUB-CLAUSE 1.7.4.U OF THE EC MACHINERY DIRECTIVE IS FOR:			
SOUND PRESSURE LEVEL AT THE OPERATOR PLACE LPA	97.3 dB	92.3 dB	103.7 dB
MEASURED SOUND POWER LEVEL LWA,M	104 dB	105 dB	105 dB
GUARANTED SOUND POWER LEVEL LWA,G	105 dB	108 dB	108 dB
THE NOISE VALUES WERE DETERMINED, TAKING INTO ACCOUNT THE FOLLOWING DIRECTIVES AND STANDARDS: DIRECTIVE 2000/14/EC / EN ISO 3744 / EN 500-4			
9.2 VIBRATION DATA			
HAND/ARM VIBRATION VALUES ACCORDING TO APPENDIX 1, SUB-CLAUSE 3.6.3.1 OF THE EC MACHINERY DIRECTIVE:			
TOTAL VIBRATION VALUE OF THE ACCELERATION AHV	4.3 m/s ²	2.4 m/s ²	2.0 m/s ²
UNCERTAINTY K	0.5 m/s ²	1.0 m/s ²	0.5 m/s ²
THE ACCELERATION VALUE WAS DETERMINED, TAKING INTO ACCOUNT THE FOLLOWING DIRECTIVES AND STANDARDS: EN 500-4 / DIN EN ISO 5349			



1) AS THE PERMISSIBLE RATING SOUND LEVEL OF 85 DB (A) CAN BE EXCEEDED BY THIS MACHINE, OPERATORS MUST WEAR HEARING PROTECTORS.

OPERATION

Description

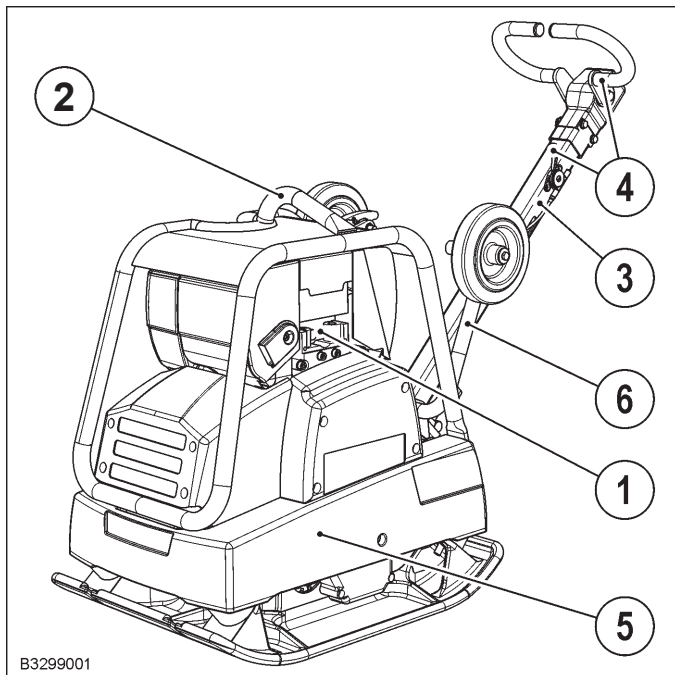
These units are a reversible vibrating plate operating on the basis of the twin-shaft vibration system principle. The engine drives the exciter on the baseplate via a centrifugal clutch and a V-belt. The exciter produces the vibration required for compaction as a result of the built-in imbalance. The machine is guided at the tow-bar grip. It is operated with the operating controls on the tow-bar.

These units are suitable for all compaction work in the fields of civil engineering and road construction. It can be used to compact all ground materials such as sand, gravel, slag, crushed stone, asphalt and composite sett paving.



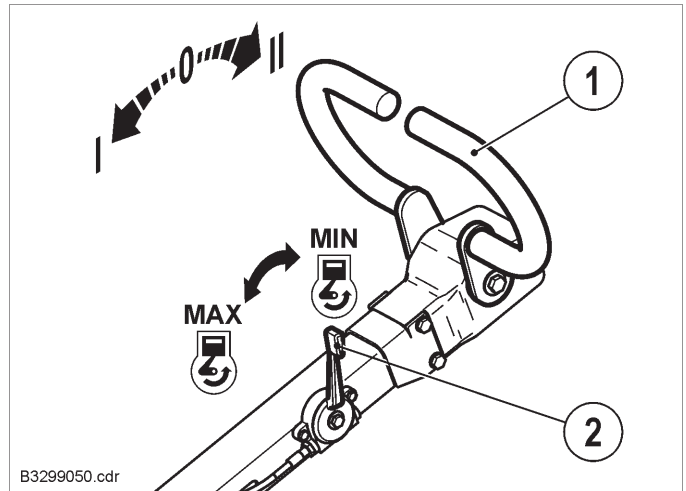
Take great care on downslopes. The machine could slip down due to loose material or if the surface is slippery.

Do not use the machine on hard concrete, set asphaltic surfaces, highly frozen or unstable surfaces.



- 1 Engine
- 2 Central point suspension
- 3 Tow-bar
- 4 Operating control/tow-bar
- 5 Base plate with exciter
- 6 Transport truck (Special equipment)

Operating control at the tow-bar



1 Control Handle

The control handle serves for adjustment of the unbalances in the exciter and in turn for continuous regulation.

- I Forward
- 0 Point compacting
- II Reverse

The control handle will always remain in the forward position, unless you physically move the handle to a different position (i.e. reverse). When moving the control handle to any other position other than forward and you release the control handle, the control handle will return to the forward position automatically.

If the control handle is operated too quickly several times, the shift lever in the unit could cause an air lock to take place preventing reverse travel.

In this case:

- Push the control handle to the full forward travel position and hold for a few seconds to clear this condition. Also use the throttle a few times from low/idle and back to full speed to help remove the air lock.
- This should return the unit to normal shifting.

The control handle can be operated only with the engine running. The lever blocks if operated when the machine is stationary. Blocking is immediately cleared when the engine is restarted.

2 Engine throttle control lever

STOP Engine stop (SRP 3860 only)

MIN Idle (detent position)

MAX Full load.

The motor speed can be adjusted with the throttle control lever. At minimum motor speed (min), the drive to the exciter is disconnected at the centrifugal clutch and the motor idles. The centrifugal clutch engages when the throttle control lever is moved approximately ¼ of its adjustment travel.

OPERATION

Before Operation



Use personal protective equipment (in particular hearing protectors and safety shoes). Risk of loss of hearing!

Observe the safety conditions.

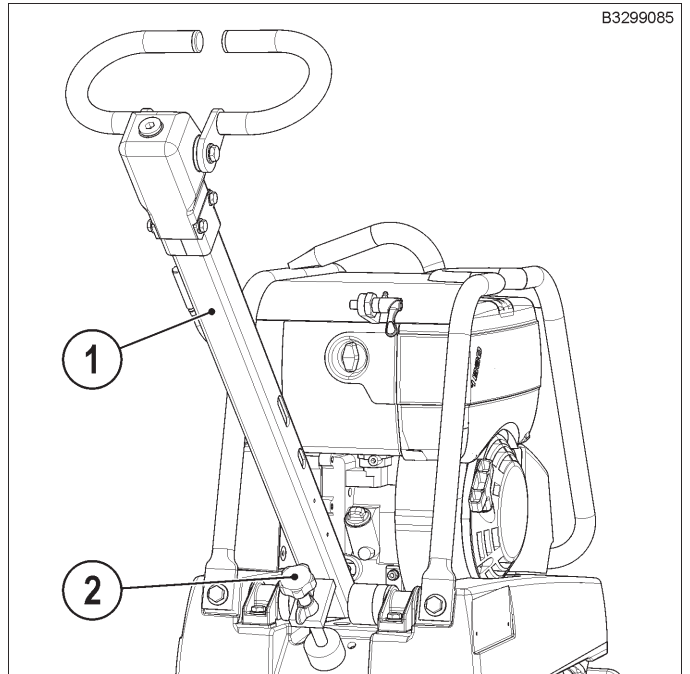
Observe the operation and maintenance instructions.

Read the Engine operating instructions. Observe the Important on safety, operation and maintenance contained in them.

- Place the machine on an even surface.
- Check
 - the Engine oil level
 - the hydraulic oil level
 - the fuel supply
 - that screw connections are secure
 - condition and function of hydraulic hose lines
 - the condition of the Engine and the machine.
- Top-off any missing lubrication in accordance with the lubrication table.

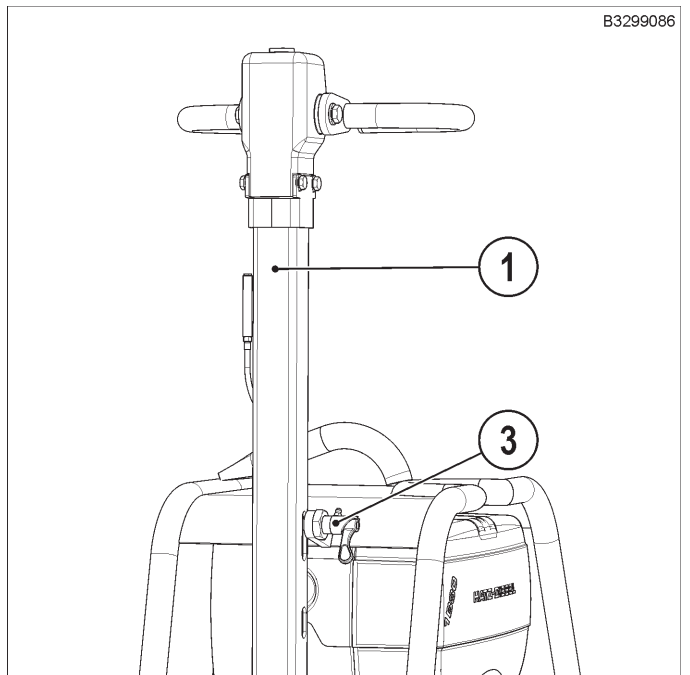
Adjusting / Locking the tow-bar

Adjusting the tow-bar



By turning adjustment-screw (2), the tow-bar (1) can be set to any positions so as to obtain the best working height on the tow-bar grip.

Locking the tow-bar

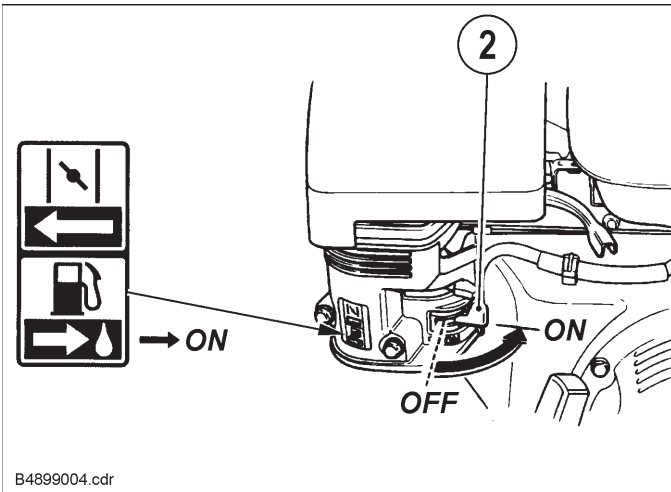


In case of loading and transport the tow-bar (1) has to be locked in an upright position by turning up the locking bolt (3).

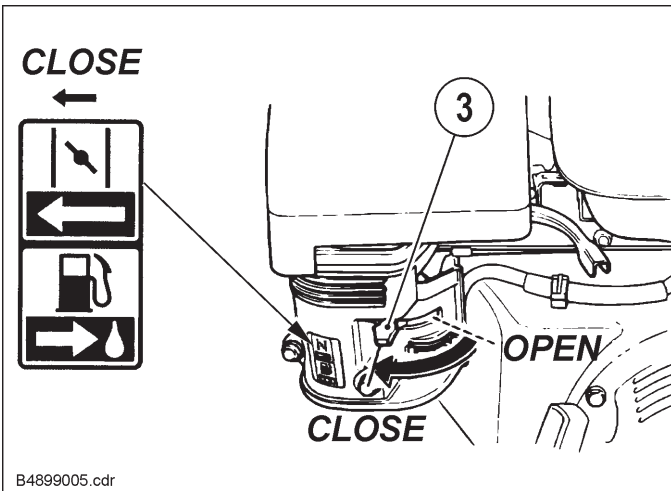
OPERATION

Engine Operation - Honda

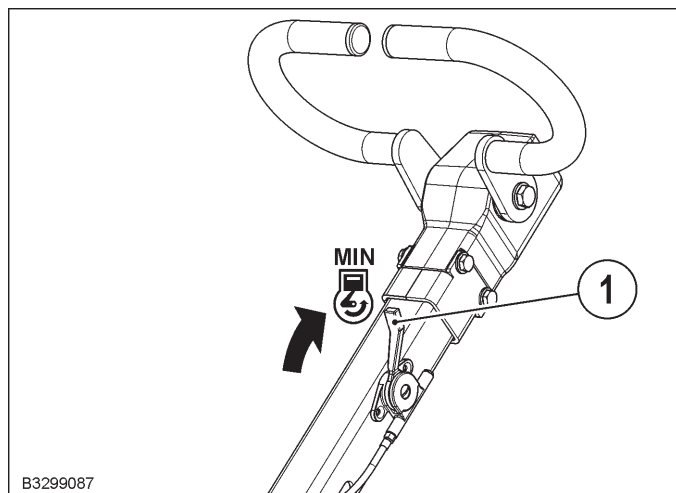
Starting the engine



- Move the fuel valve lever (2) to the «ON» position.

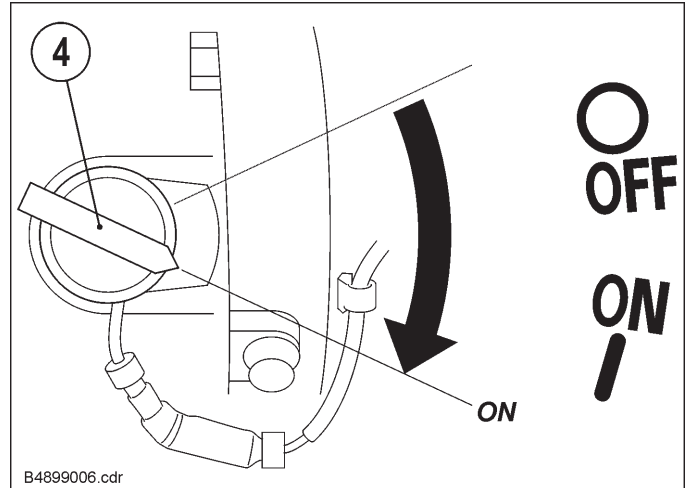


- Move the choke lever (3) to the «CLOSE» position.

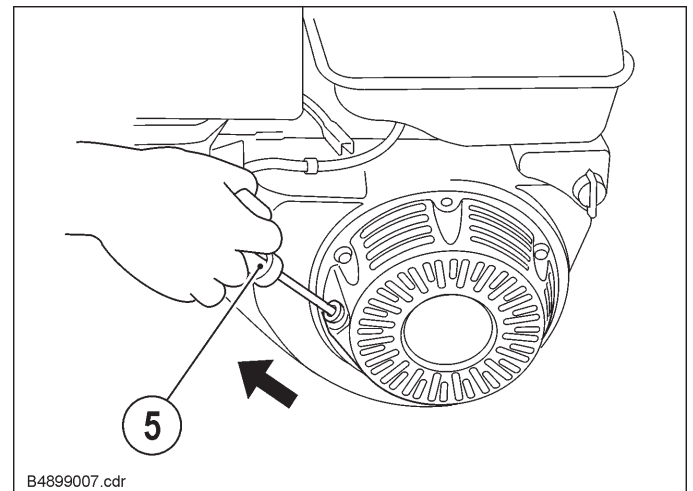


- Set the engine speed lever (1) to MIN.

! Important If the motor doesn't start, set the throttle lever about 1/3 of the way to «MAX».



- Turn the engine switch (4) to the «ON» position.

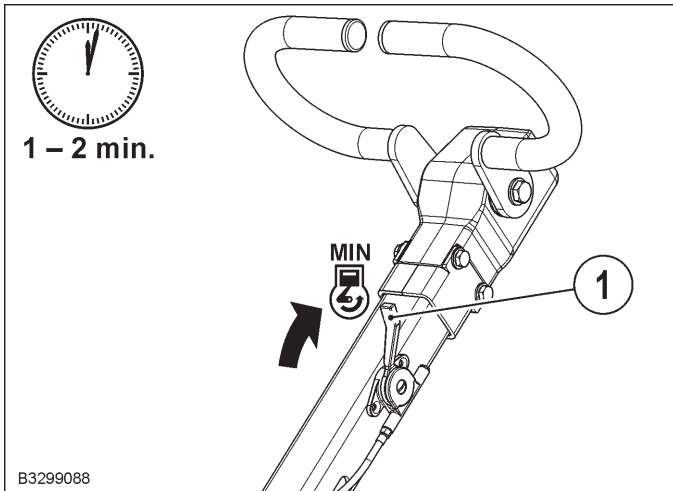


- Pull the starter grip (5) lightly until you feel resistance, then pull briskly in the direction of the arrow as shown above.
- Return the starter grip gently.

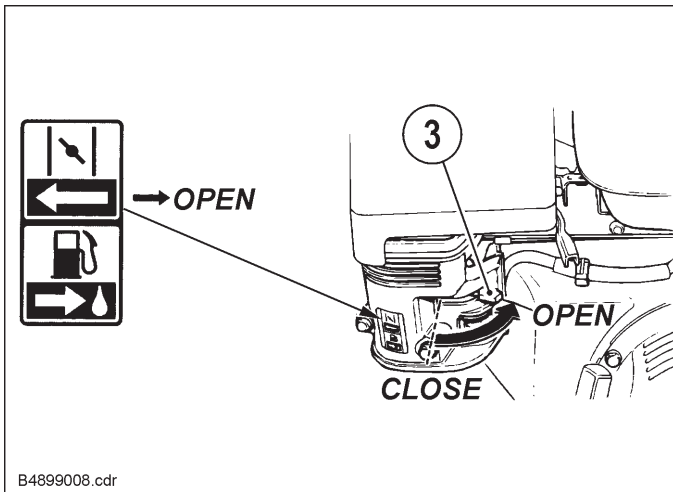
! Important Do not allow the starter grip (5) to snap back against the engine. Return it gently to prevent damage to the starter.

OPERATION

Warm up Instructions



- Set the engine speed lever (1) to idle (MIN).
- Allow the engine to run for 1-2 minutes in order to warm up.

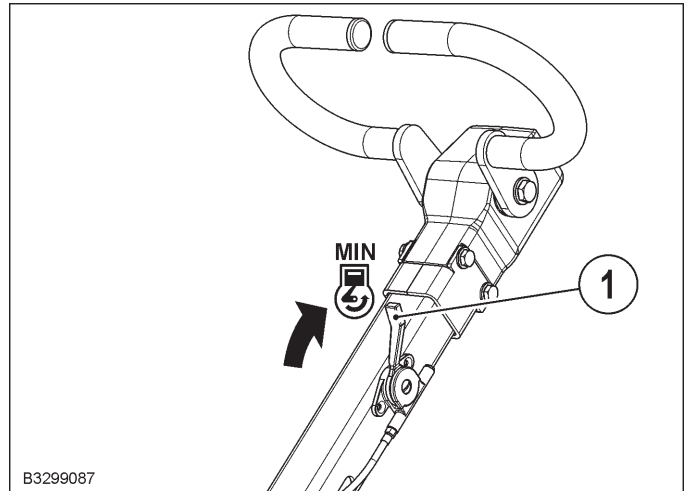


- If the choke lever (3) has been moved to the «CLOSED» position to start the engine, gradually move it to the «OPEN» position as the engine warms up.

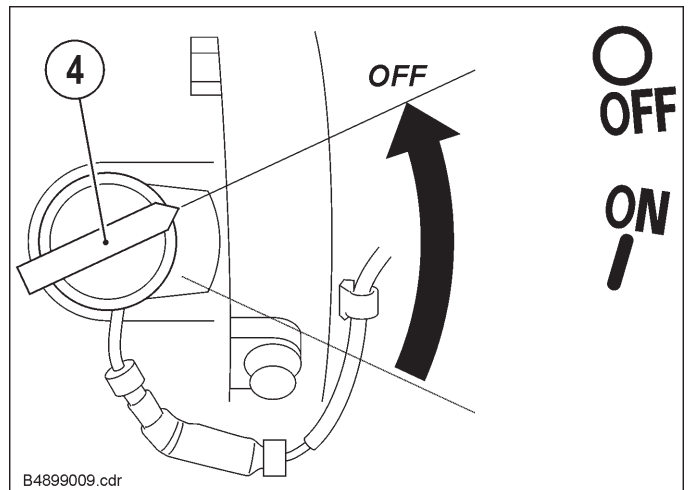
Stopping the engine



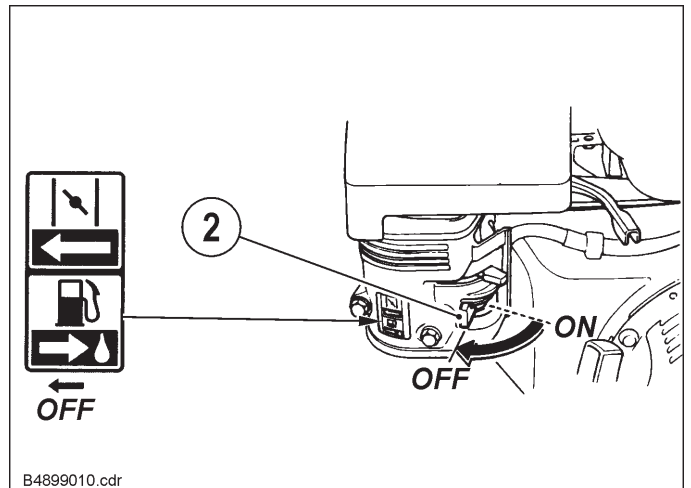
To stop the engine in an emergency, simply turn the engine switch to the «OFF» position.



- Set the engine speed lever (1) to the «MIN» position.



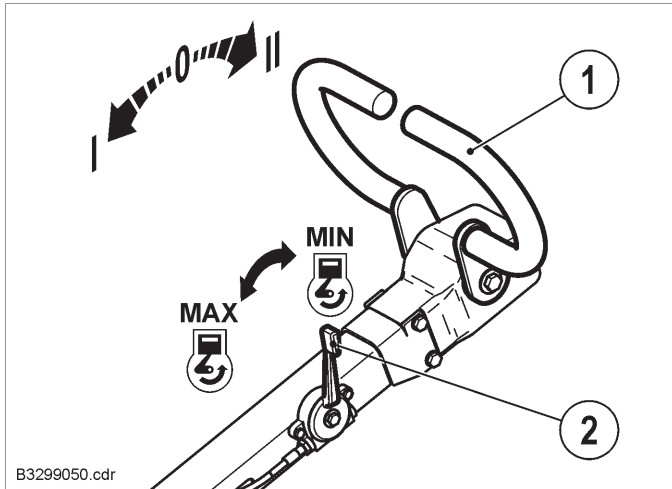
- Turn the engine switch (4) to the «OFF» position.



- Turn the fuel valve lever (2) to the «OFF» position.

OPERATION / TRANSPORT

Operation

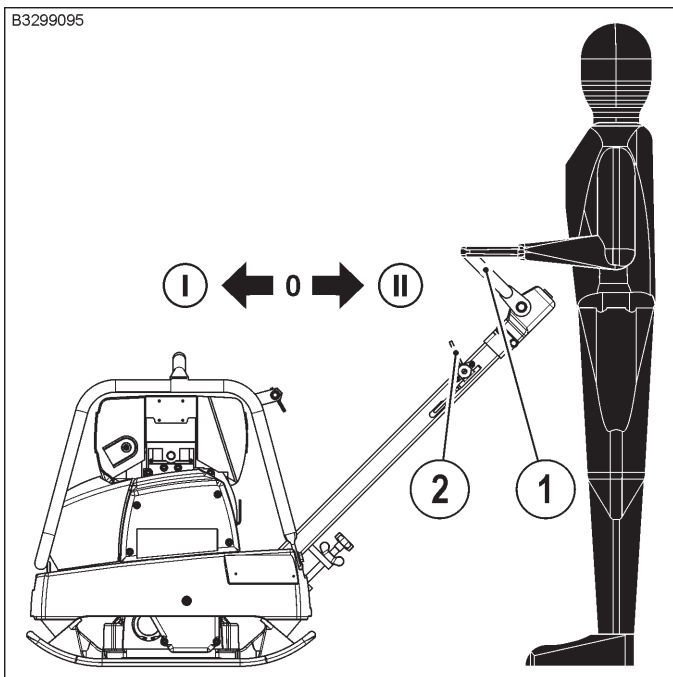


- Set the engine speed lever (2) to full load (MAX).



Operate the machine only at full throttle and turn the machine in the idle position. Otherwise could cause clutch damage or slipping of centrifugal clutch.

B3299095



- The proper position for the operator is behind the machine.
- Control and steer the machine using the tow bar grip (1).
- Set the speed with the travel lever (2).



For compaction of paving stones, it is recommended to use Vulkollan plates and protective brackets (special accessories) to prevent damages to the compaction material and to the machine.

Loading and Transportation



Only use sufficiently strong and secure loading ramps when loading.

Check the contact points (frame, lifting rings) before use for damage and wear. Immediately replace damaged parts.

Secure the machine against rolling or slipping off and against tipping over.

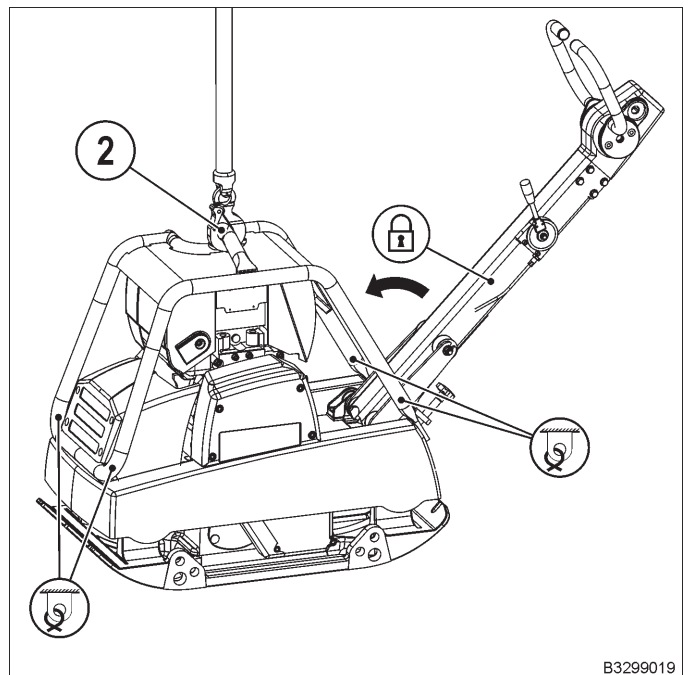
Ensure that no persons will be endangered.

When loading, lashing down and lifting the machine always use the provided lifting points.

Persons are in danger, if they :

- go near swinging loads or
- stand under swinging loads

Lock the tow-bar to loading and transport.



After loading the machine should be lashed in place. Use the centre-of-gravity suspension point (2) in order to lift the machine.

TRANSPORT

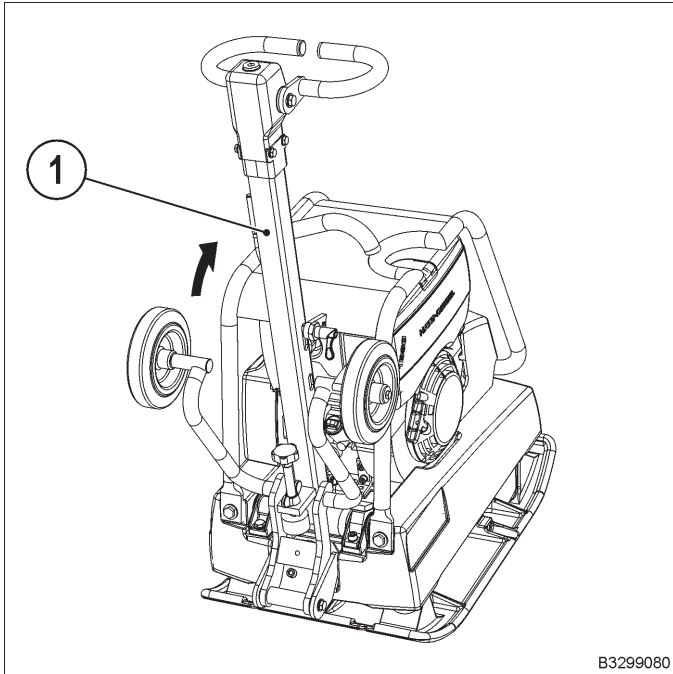
Transportation Trolley



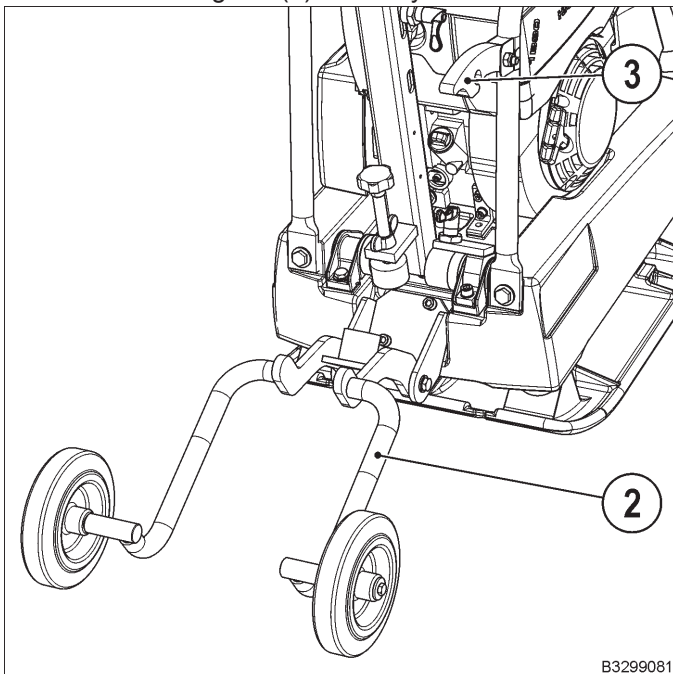
During longer work breaks, e.g. at the end of the work day, do not place the machine on the transport trolley, this could compromise the stability of the machine.

Take care when riding over uneven or sloping floors. The machine can slip or tip over.

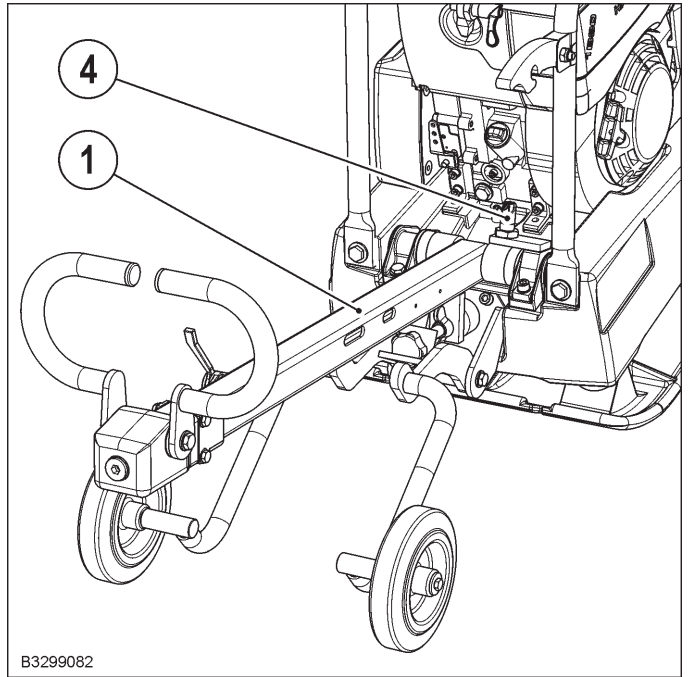
The transport trolley can be used for problem-free transport of the machine.



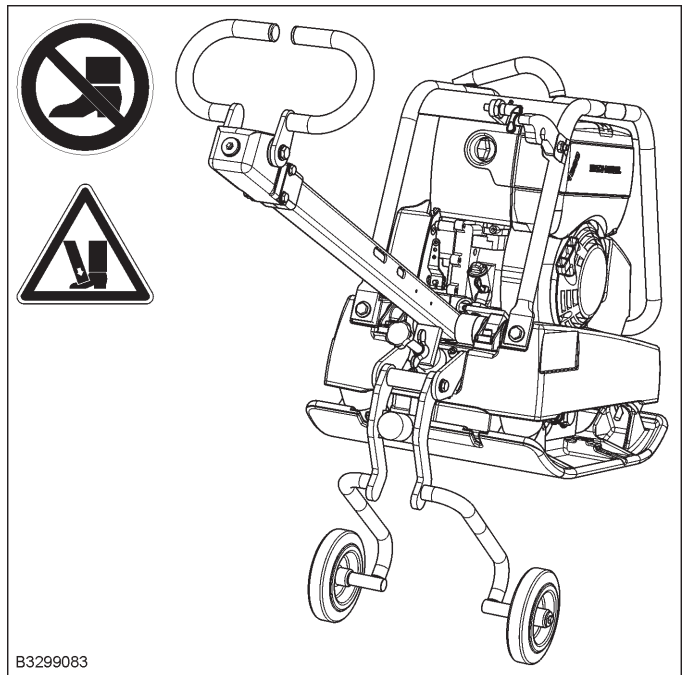
- Position the towing bar (1) vertically.



- Remove the undercarriage (2) from the mounting bracket (3) and place it on the floor.



- Position the towing bar (1) horizontally and lock in position (4).

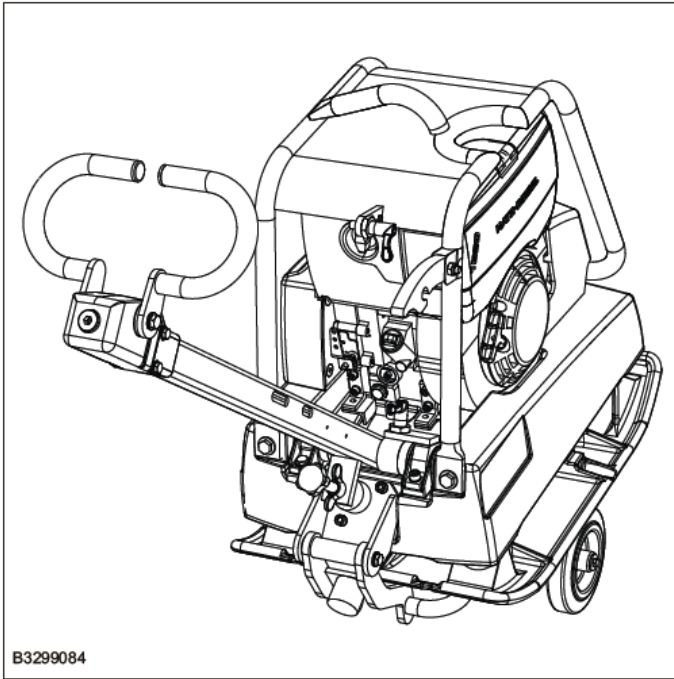


- With the towing bar locked in position tip the machine on to the front edge, the undercarriage will swing under the board.



Be careful when raising and lowering the machine. Do not place your feet under the raised base plate. Danger of foot injuries!

TRANSPORT



- Using the towing bar, tilt the machine backwards until the machine is horizontally seated on the undercarriage. The device is ready to be moved.
- After transport hook the undercarriage back into position by proceeding in reverse order.

MAINTENANCE

General Information

Maintenance:

- ➔ increased service life
- ➔ increased function
- ➔ reduced downtimes
- ➔ increased reliability
- ➔ reduced repair costs

- Observe the safety regulations!
- Maintenance work should only be carried out when the engine is shut off.
- The engine and machine should be cleaned thoroughly before carrying out maintenance work.
- Park the machine on a flat surface and secure it against rolling away and slipping.
- Ensure that operating materials and replaced parts are disposed of safely and in an environmentally-friendly way.

– Before commencing work on any electrical equipment, disconnect the battery and cover it with insulating materials.

– Do not exchange «PLUS» and «MINUS» poles on the battery.

– It is essential that short-circuits be prevented in cables carrying current.

– Before welding work on the machine disconnect all battery connections and cables.

– Burn-out lightbulbs in indicator lamps should be replaced immediately.

– When cleaning the machine with a high-pressure water jet, do not spray the electrical components directly.

– After cleaning the components, blow-dry them with compressed air in order to prevent surface corrosion.

Maintenance Schedule

Maintenance-Works	Intervals								
		Daily	20 h	50 h	100 h	200 h	250 h	400 h	If Necessary
Clean machine		•							
Check engine oil level ¹⁾		•							
Change engine oil ¹⁾			• ³⁾		•				
Check the water trap ¹⁾									
Clean engine oil filter ¹⁾									
Clean fuel filter ¹⁾					•				
Change fuel filter ¹⁾								•	
Check air filter ¹⁾		•							
Change air filter element ¹⁾									•
Check valve clearance ¹⁾			• ³⁾						
Exciter: Check oil level				•					
Exciter: Change oil ²⁾					• ³⁾		•		
Check rubber buffers					•				
Check hydraulic oil level		•							
Change hydraulic oil									•
Check the hydraulic hose lines ²⁾					•				
Check V-belt			• ³⁾	•					
Check screwed connections for tightness			• ³⁾		•				

¹⁾See engine operating manual

²⁾or annually

³⁾for the first time

MAINTENANCE

Lubrication Schedule

Lubricating point	Quantity	Changing intervals [operating hours]	Lubricant
1. Engine			
SRP 2240	0.6 l / 20.2 Oz	First time after 20 h; then every 100 h	Engine oil API SG-CE SAE 10W40
SRP 3050	1.1 l / 37.2 Oz		
SRP 3860	1.1 l / 37.2 Oz		
2. Exciter			
SRP 2240	0.5 l / 17 Oz	First time after 100 h the every 500 h or annually	Engine oil API SG-CE SAE 10W40
SRP 3050	0.75 l / 25.3 Oz		
SRP 3860	1.0 l / 33.8 Oz		
2. Hydraulic			
SRP 2240	0.17 l / 5.7 Oz	Not Necessary	Hydro-Oil HVL 46
SRP 3050	0.17 l / 5.7 Oz		
SRP 3860	0.65 l / 22 Oz		

Alternative Lubrication Schedule

	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 46	ATF – oil
ARAL	Extra Turboral SAE 10W40	Fluid HGS	Vitam GF 32	Vitam HF 46	ATF 22
BP	Vanellus C6 Global Plus SAE 10W40	Hydraulik TF-JD	Energol HLP-HM 32	Bartran HV 46	Autran MBX
CASTROL	Tecton SAE 10W40	Agri Trans Plus	Hyspin SP 32	Hyspin AVH-M 46	TQ-D
ESSO	Ultra 10W40	Torque Fluid 56	Univis N 32	Univis N 46	ATF 21611 II-D
FINA	a. Kappa FE b. Kappa Turbo DI	Transfluid AS	a. Hydran TSX 32 b. Biohydran TMP 32 ²⁾	—	Finamatic II D
FUCHS	Titan Unic MC	Agrifarm UTTO MP	a. Renolin ZAF 520 b. Plantohyd 32 S ²⁾	Renolin B 46 HVI	Titan ATF 3000
KLEENOIL PANOLIN	—	—	Panolin HLP Synth 32 ²⁾	—	—
MOBIL	a. Delvac SHC b. Mobil Super M 10W40 c. Mobil Super S 10W40 ¹⁾	a. Mobilfluid 424 b. Mobilfluid 426	Mobil DTE 24	Univis N 46	ATF 220
SHELL	Engine Oil DG 1040	Donax TD	Tellus T32	Tellus T 46	a. Donax TA b. Donax TX
TOTAL	Rubia Polytrafic 10W-40	Transmission MP	Azolla ZS 32	Equivis ZS 46	Fluide ATX

¹⁾Semi-synthetic light-duty oils

²⁾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.

TAB01003_GB.cdr

MAINTENANCE

Maintenance Work (Honda)

Only the maintenance work which has to be performed daily is included in the Operating Manual. Please refer to the engine Operating Manual and to the maintenance instructions and intervals listed therein.

Filling-up with fuel

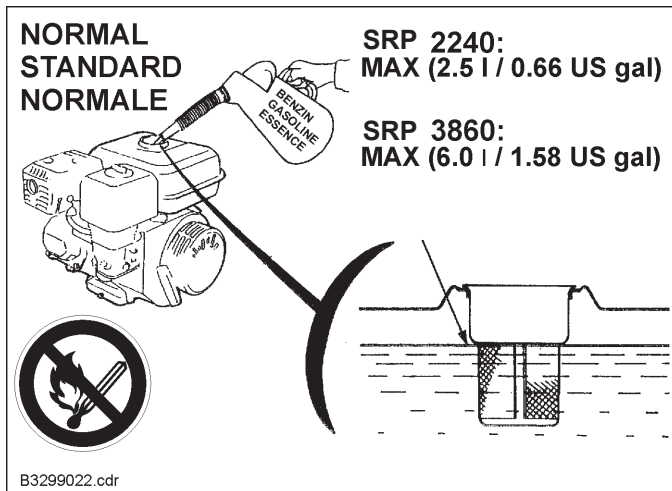


Only add fuel when engine is off and has cooled down.

No open flame. Do not smoke.

Do not fill-up in closed rooms. Do not inhale petrol fumes.

Collect spilt fuel in a suitable container and prevent spillage entering the soil.



- Stop the engine.
- Clean around the fuel filler socket.
- Open the fuel filler socket and visually check the fuel level. Refill the tank if the fuel level is low.



Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt or water in the fuel tank.

- Add fuel to the bottom of the maximum fuel level limit of the fuel tank. Do not overfill. Use unleaded automotive gasoline only.
- Wipe up spilled fuel before starting the engine.
- Close the tank tightly.

Checking the engine oil level



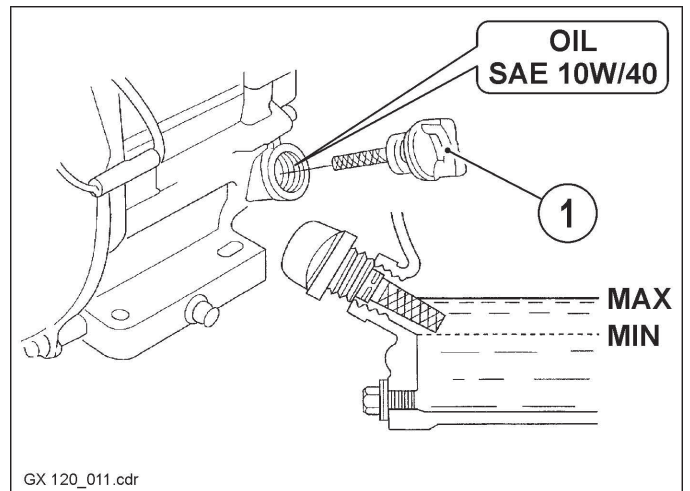
Environment

Immediately replace damaged seals.

Collect old oil and dispose of it in an environment friendly manner.

Do not allow oil to run onto the floor into the drains.

- Stand the machine horizontally.
- Stop the engine.



- Remove the oil filler cap/dipstick (1) and wipe it clean.
- Insert the oil filler cap/dipstick (1) into the oil filler neck as shown, but do not screw it in, then remove it to check the oil level.
- If the oil level is near or below the lower limitmark on the dipstick, fill with the recommended oil to the upper limit mark (bottom edge of the oil fill hole). Do not overfill.
- Reinstall the oil filler cap/dipstick (1).

MAINTENANCE

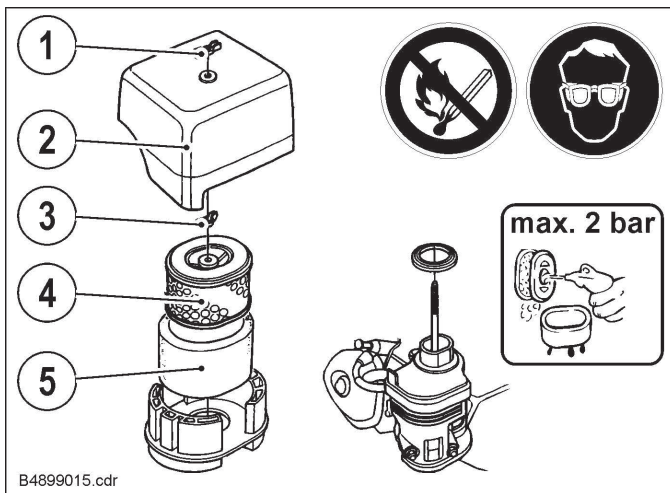
Clean the air filter



Change the filter element:

- if the filter element is damaged
- if moist or oily deposits are present
- if engine performance reduces
- minimum once a year

Never operate the engine without air filter. Do not allow dust to enter into carburetor.



- Remove the wing nut (1) from the air cleaner cover (2), and remove the cover.
- Remove the wing nut from the air filter (3), and remove the filter.
- Remove the foam air filter element (5) from the paper filter (4).
- Inspect both air filter elements, and replace them if they are damaged. Clean the air filter elements if they are to be reused:



Never use petrol or cleaning solutions with a low flash point for cleaning the filter element!

Do not smoke in the working area; avoid open fire and sparks – fire and explosion hazard!

Risk of eye injuries! – Wear safety goggles.

– Paper air filter element:

- Blow compressed air [not exceeding 207 kPa (2.1 kgf/cm, 30 psi)] through the filter element (4) from the inside.

– Foam air filter element (5):

- Clean in warm soapy water, rinse, and allow to dry thoroughly. Or clean in non-flammable solvent and allow to dry.
- Dip the filter element (5) in clean engine oil, then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the foam.
- Wipe dirt from the inside of the air cleaner case and cover using a moist rag. Be careful to prevent dirt from entering the air duct that leads to the carburetor.
- Place the foam air filter element (5) over the paper element (4).
- Reinstall the assembled air filter. Be sure the gasket is in place beneath the air filter.
- Tighten the air filter wing nut securely.
- Install the air cleaner cover (2), and tighten the wing nut securely.

MAINTENANCE

Maintenance work - Machine

Cleaning

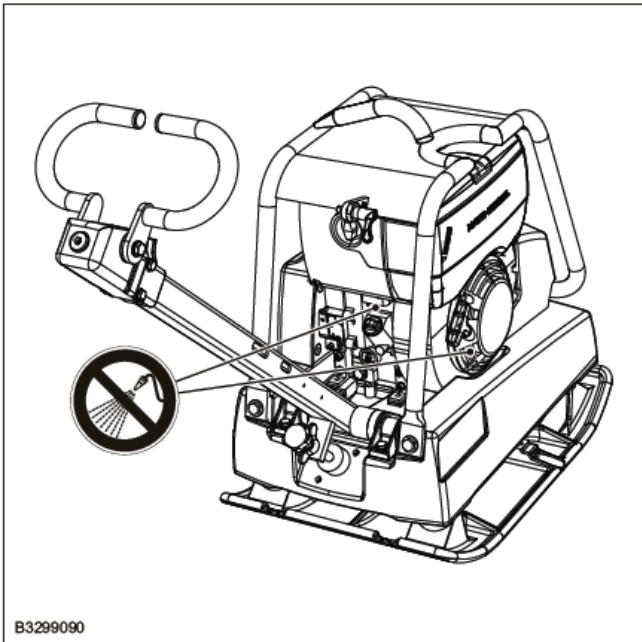
Clean the machine thoroughly daily.



For cleaning, do not use any flammable or aggressive materials.

When cleaning the machine with a pressure washer, do not spray the electrical components directly.

When cleaning the machine with a pressure washer, do not hold it directly over the air filter.



- Clean the machine on a daily basis.
- After cleaning all cables, hoses and connections check the unit for leakage on hoses or at connections. Check for chafing points and other damage. Do not use your hand to check hoses for leaks as this could cause pressurized oil injection into body.
- Tighten any loose connections or repair any damaged parts prior to operating the unit.

Tightening Torque

Torque Information

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

Strength grades for screws with untreated, unlubricated surfaces.

The values show 90% use of the yield strength; at a friction coefficient of $\mu_{tot} = 0.14$.

Tightening torque is controlled with torque wrenches.

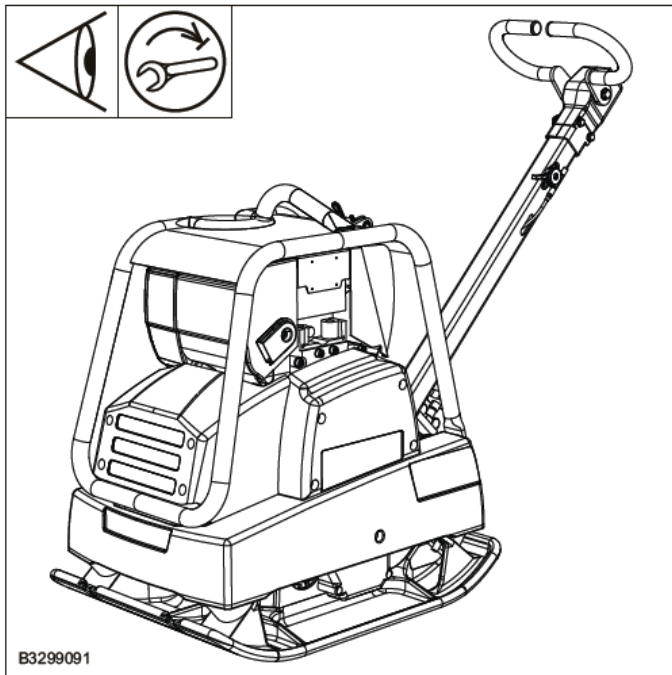
The values given do not apply when MoS2 lubrication is used.



Replace all self-locking nuts after each disassembly.

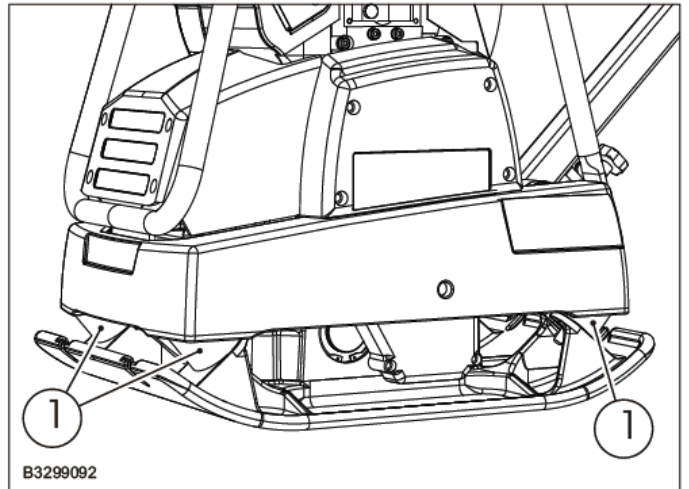
MAINTENANCE

Screw Connections



With vibrating devices, it is important to intermittently check the screw connections for tightness. Pay attention to the tightening torque.

Checking the rubber buffers

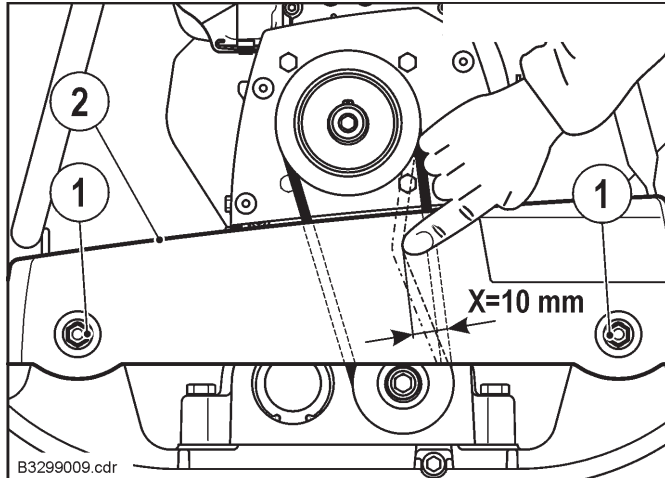


Check the rubber buffers (1) for tears and breaks, as well as for secure fit. If they are damaged, replace them immediately.

MAINTENANCE

V-Belt: Tension / Condition - SRP 2240/3050/3860

- Remove V-belt guard.
- Check V-belt for tension and condition.
- Tension if necessary:



- Unscrew the nuts (1) of the rubber stops on the outside.
- Push the upper tray (2) upwards on both sides.



It is important to ensure that the frame is also actually pushed on the rubber stop contact surfaces and not just the rubber elements are stretched and then spring back again. If necessary apply light blows with a hammer to knock the rubber stops downwards.

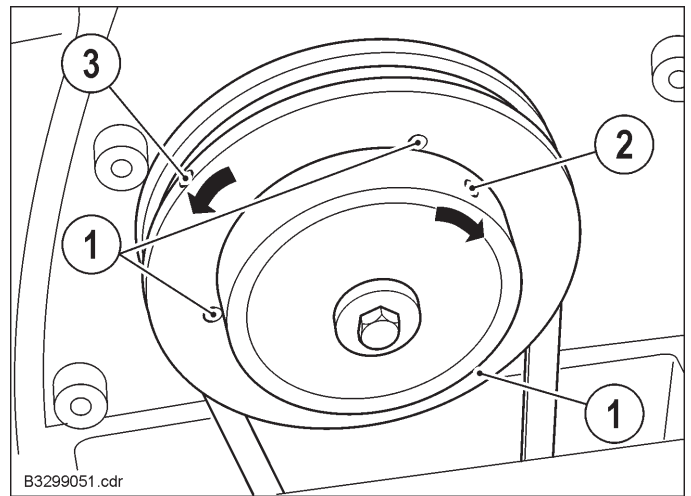
- Both buffers should be equally pre-tensioned.
- Tighten nuts (1).
- Crank the drive manually and re-check tension and correct if necessary.
- Replace V-belt guard.



Do not start the engine without V-belt guard. Danger of injuries.

- Check the tension of the V-belt after 25 op. hrs. again. Adjust the tension if necessary.

V-Belt: Adjustment



- Loosen set screws (1), do not unscrew.
- Insert auxiliary tools (\varnothing 6 mm) into bores (2) and (3).
- Tension V-belt by turning clutch halves (2) and (3) in opposite directions
- Tension clutch halves (2) and (3). $X= 10$ mm.
- Crank the drive manually and re-check tension and correct if necessary.
- Replace V-belt guard.



Do not start the engine without V-belt guard. Danger of injuries.

- Check the tension of the V-belt after 25 op. hrs. again. Adjust the tension if necessary.

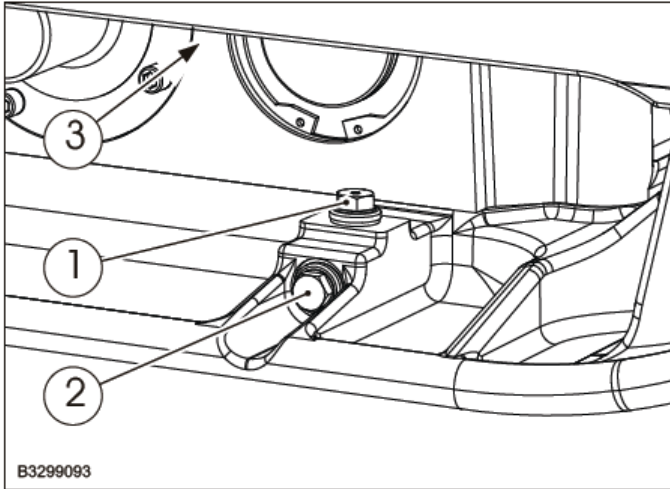
MAINTENANCE

Exciter: Oil Level / Oil Change



Important

*Check / change exciter oil when its warm.
The venting screw (3) must always first be un-
screwed when checking the oil level or chang-
ing the oil.*



- Unscrew venting screw (3), oil filling plug/dipstick (1) and oil drain plug (2).
- Drain-off old oil.



Danger

Care is to be taken with the draining of hot oil: Danger of scalding!

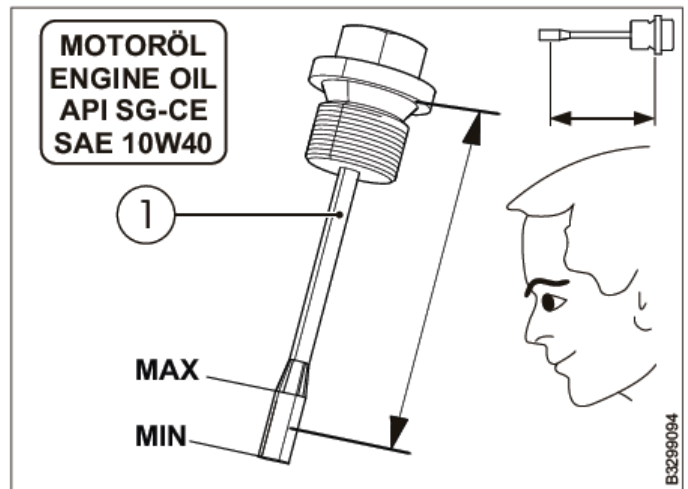


Environment

**Collect oil which has run out or over-
flowed and dispose it in an environment
friendly manner.**

- Screw-in oil drain screw (2).

- Fill-in new oil through the oil fill hole (1). See lubrication schedule for quantity and quality.



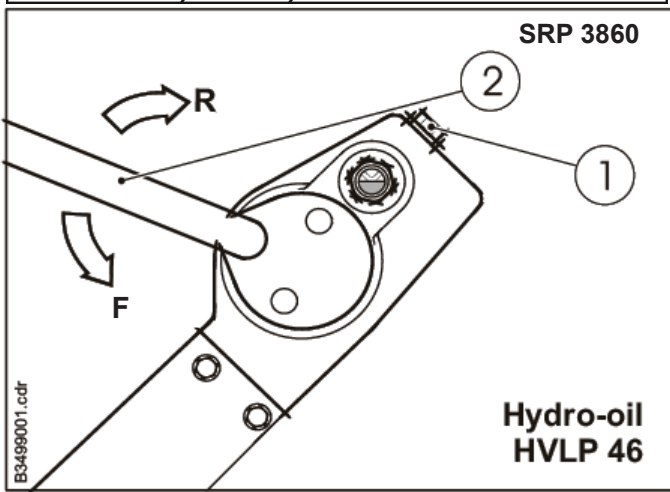
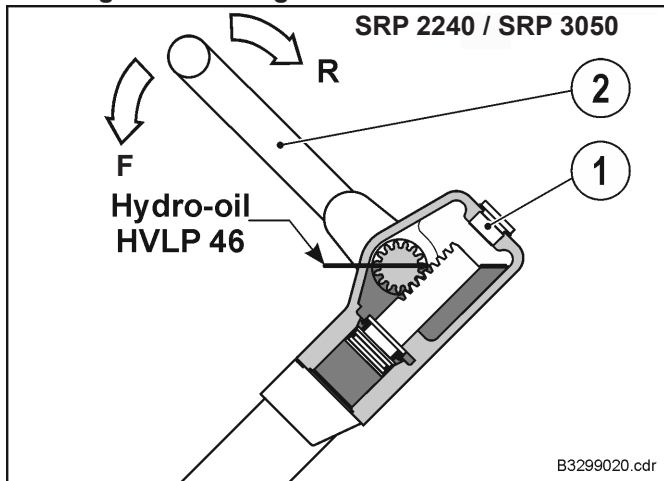
Attention

When the dipstick is screwed in, the optimal oil level is between the «MIN» and «MAX» markings.

- Replace oil filling plug/dipstick (1) and venting screw (3).
- Unscrew oil filling plug/dipstick (1), check the oil level again and top up with oil if necessary.

MAINTENANCE

Filling and Bleeding the Circuit



- Remove plug (1).
- Set throttle lever (2) to «F».
- Pour in hydraulic fluid while continually changing the throttle lever position. To ensure correct bleeding, at times place the shaft vertically.
- Stop filling when
 - a distinct «clicking»-noise is heard in the exciter while shifting the lever
 - you will no longer feel a cushion of air when moving the throttle lever.

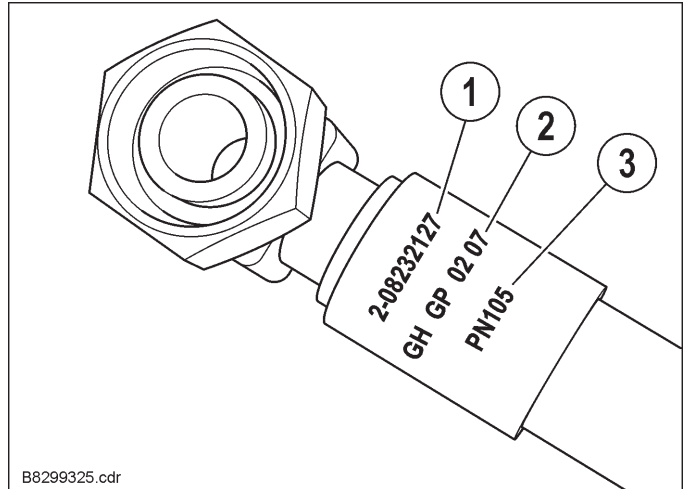


Important

When filling, the circuit path is shortened.

- To check oil level, start engine and bring up to operating speed.
- Move throttle lever several times backwards and forwards between «F» and «R».
- The correct oil level should be somewhere in the area shown (See Illus. for SRP2240 & 3050); Note SRP3860 has a sight glass to view oil level, at this point the throttle lever must be in the «F» position.
- If the level is too low, top up with hydraulic fluid; if too high, drain off excess fluid.
- With the machine running and the throttle lever in the «F» position, close locking screw (1).

Hydraulic Hose Lines



- 1 Serial No.
- 2 Manufacturer/Month and year of manufacture
- 3 Max. operating pressure

The function of hydraulic hose lines must be tested at regular intervals (minimum once a year) by an expert (with a knowledge of hydraulics).

Hose lines must immediately be replaced in the following instances:

- Damage to the outer layer to the inner lining (abrasion marks, cracks, cuts, etc.).
- Brittleness of the outer layer (cracking of hose covering).
- Unnatural deformations of the hose line. This applies to both a pressureless and pressurised condition (e.g. layer separation, blister formation, crushed areas, kinks).
- Leaks.
- Damage or deformation of hose fittings (impaired sealing function).
- Hose slips out of the fitting.
- Corrosion of fitting (degrading of function and strength).
- Improper installation.
- Use beyond the expiry date of max. 6 years.

TROUBLESHOOTING

General Information

- Observe the safety information
- Only qualified and authorised persons may carry out repair work (mechanics specialising in construction and agricultural machinery).
- In case of faults, the operating and maintenance instructions must be referred to for correct operation and maintenance.
- If the cause of the fault cannot be located or remedied, an authorised Stanley Service Center should be contacted.
- Always first check the most likely causes (fuses, LEDs, etc.).

Fault Table

Possible cause	Remedy	Remarks
Engine does not start		
Speed control lever in «STOP»-position No fuel – Tank run dry – Fuel filter blocked – Fuel valve «OFF» – Defective feed pump Oil pressure lost Compression too low	Set lever to «START»-position Add fuel Renew fuel filter Move lever to «ON» position Function must be checked Check engine oil level Contact a Stanley-service center	HONDA
Engine switch «OFF» Choke «OPEN»	Turn engine switch to «ON» position Move lever to «CLOSE» position	HONDA HONDA (Unless the engine is warm)
Spark plug faulty, fouled or improperly gapped	Gap or replace spark plug	HONDA
Spark plug wet with fuel (flooded engine)	Dry and reinstall spark plug	HONDA (Start engine with throttle lever in «MAX» position)
Engine stops by itself during regular operation		
Fuel supply is interrupted – Tank run dry – Fuel filter blocked – Defective feed pump Oil pressure lost Mechanical defects	Add fuel Renew fuel filter Function must be checked Check engine oil level Contact a Stanley-service center	
Reduced engine performance		
Fuel supply is obstructed – Tank run dry – Fuel filter blocked – Tank venting is inadequate – Leaks at pipes unions Air cleaner blocked Incorrect valve clearance Too much oil in engine Too much oil in exciter Default in hydraulic system	Add fuel Renew fuel filter Ensure that tank is adequately vented Check threaded pipe unions Remove dirt from air cleaner Adjust valve clearance Correct the engine oil level Check exciter oil level Contact a Stanley-service center	
Engine runs, machine does not move forward		
Insufficient V-belt tension V-belt broken Centrifugal clutch lining worn Too much oil in exciter Default in hydraulic system	Retention V-belt Replace V-belt Replace linings and springs Check exciter oil level Contact a Stanley-service center	

NOTES

STANLEY®

Stanley Hydraulic Tools
3810 SE Naef Road
Milwaukie, Oregon 97267-5698 USA
(503) 659-5660 / Fax (503) 652-1780
www.stanleyhydraulics.com