Operator's Manual

Track dumper





Machine model DT08-P/DT08-D

Edition 1.0 Language en

Article number 1000268368



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The cover features the machine with possible optional equipment.



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Table of contents

Introduction	
Important information on this Operator's Manual	
Overall view of machine	1-2
Brief description	
Definition of operator's control stand	
Regulations	
EC declaration of conformity model DT08-P, for machines with CE mark	on type label
1-4	
Declaration of conformity model DT08-P, for machines without CE mark (1-5	on type label
EC declaration of conformity model DT08-D, for machines with CE mark 1-6	on type label
Declaration of conformity model DT08-D, for machines without CE mark	on type label
Type labels and component numbers	1-8
Signs and symbols	
Safety instructions Identification of warnings and dangers	2.1
Warranty	
Disposal	
Designated use and exemption from liability	
General conduct and safety instructions	
Organisational measures	
Selection and qualification of staff, basic responsibilities	
Safety instructions regarding operation	
Normal operation	
Applications with lifting gear	
Trailers	
Transport	2-6
Temperature ranges	2-6
Safety instructions for maintenance	2-7
Warning of special hazards	2-9
Electrical energy	
Gas, dust, steam, smoke	
Hydraulics	
Noise	
Oil, grease and other chemical substances	
Battery	
Tracks	2-10
Operation	
Control stand overview (model DT08-P skip and high-tip skip)	3-1
Control stand overview (model DT08-D skip and high-tip skip)	3-2
Putting into operation	3-4
Safety instructions	3-4
Putting the machine into operation for the first time	3-4
Running-in period	3-4
Check lists	3-5
Start-up checklist	3-5
Operation checklist	
Parking checklist	
Before starting the engine	
General information on starting the petrol engine	
Procedure	3-6





Manual Starter	
Electric starter	3-7
Starting at low temperatures	3-7
When the engine has started	3-7
Stopping the petrol engine	3-8
General Informationen on starting the diesel engine	
Procedure	
Manual starter	
Electric starter	
Starting at low temperatures	
When the engine has started	
Stopping the diesel engine	
Jump-starting the engine (supply battery)	
Special instructions for driving on public roads	
Moving off	
Drive levers	
Driving on slopes	
Specific safety instructions	
Driving across slopes	
Driving on slopes	
Driving on slopes with a high-tip skip	
Skip operation	
High-tip skip (option)	
Loader unit operation (option)	
Parking the machine	
Foothold	
Crane handling the machine	
Loading and transporting the machine	
Tying down the machine	
Towing the machine	
Working with the machine	
General safety instructions	3-23
Working with the loader unit	3-23
Transporting with a full bucket	3-23
Loading loose material	3-24
Ending loading	3-24
Transporting with a full skip	3-25
Dumping out the skip	3-26
Dumping out the skip upwards (option)	
Emergency lowering of the skip	
Auxiliary hydraulics (option)	
,	
Troubleshooting	
Engine trouble	4-1
Maintenance	
Introduction	5-1
Maintenance strut	
Maintenance strut for high-tip skip	
Fuel system	
Specific safety instructions	
Checking the fuel level	
Refuelling	
Stationary fuel pumps	
Petrol specification	
Diesel fuel specification	
Cleaning the fuel filter (petrol engine)	
Cleaning the fuel filter of the diesel engine	5-0





Spark plug (petrol engine)	5-7
Engine lubrication system	5-8
Checking the oil level	
Filling up engine oil	5-9
Air filter	5-10
Replacing the filter (petrol engine)	5-11
Replacing the filter (diesel engine)	5-12
Hydraulic system	5-13
Specific safety instructions	5-13
Checking the hydraulic oil level	5-14
Filling up hydraulic oil	5-14
Important information for the use of biodegradable oil	5-15
Checking hydraulic pressure lines	5-16
Tracks	5-17
Checking track tension	5-17
Increasing track tension	5-17
Decreasing track tension	5-18
Electrical system	5-19
Specific safety instructions	
Service and maintenance work at regular intervals	5-19
Instructions concerning specific components	5-20
Alternator	5-20
Battery	5-21
General maintenance work	5-22
Cleaning	5-22
General instructions for all areas of the machine	5-22
Exterior of the machine	5-23
Engine compartment	5-23
Screw connections and attachments	5-23
Pivots and hinges	5-23
Fluids and lubricants	5-24
Maintenance plan DT08-P (petrol engine)	5-25
Maintenance plan DT08-D (diesel engine)	5-27
Lubrication plan DT08 with skip	5-29
Lubrication plan DT08 with high-tip skip (option)	5-30
Maintenance opening	5-31
Specifications	
Engine	6-33
Hydraulic system	
Undercarriage	
Work hydraulics	
Skip	
High-tip skip (option)	
Loader unit (option)	
Noise levels	
Vibration	
Dimensions model DT08-D with skip	
Dimensions model DT08-D with high-tip skip (option)	
Dimensions model DT08-P with skip	
Dimensions model DT08-P with high-tip skip (option)	
Electrical system	
Fuees	



A
Abbreviations1-1
Acoustic warning system for control panel3-2
Air filter5-10
Applications with lifting gear2-6
В
Biodegradable oil5-15
C
Charge function3-3
Check lists3-5
Clean the filter cup5-5
Clean the fuel filter5-6
Control stand overview
Crane-handling bracket3-20
D
Designated use and exemption from liability2-2
Driving on public roads3-12
Dumping out the skip3-27
E
EC declaration of conformity for model DT081-8
Emergency lowering of the skip3-27
Engine number1-8
F
Fluids and lubricants5-24
I
Important information
On this Operator's Manual1-1
Instrument panel overview 3-1, 3-2
L
Legal regulations1-3

M

Machine	
Brief description	1-3
Loading and transporting	
Machine	
Maintenance	
Air filter	5-11, 5-12
Biodegradable oil	
Check the engine oil level	
Checking the hydraulic oil level	
Clean	
Diesel engine maintenance plan	
Electrical system	
Engine lubrication system	
Filling in engine oil	
Filling up hydraulic oil	
Fluids and lubricants	
Fuel filter	
Fuel system	
General maintenance work	
Hydraulic pressure lines	
Hydraulic system	
Instructions concerning specific components	
Lubricating the lift ram	
Lubrication plan	
Maintenance opening	
Petrol engine maintenance plan	
Pivots and hinges	
Screw connections	
Service and maintenance work at regular intervals	
Track maintenance	
Water separator	5-8
Maintenance strut	5-1
N	
••	1 10
Noise levels	1-10
0	
Operation	3-1
Before starting the engine	
Control stand overview	
Moving off	•
Parking the machine	3 ₋₁₀
Starting the engine	
	5-0
P	
Putting into operation	3-1
Check lists	
Putting the machine into operation for the first time	
Safety instructions	
•	
R	
Refuelling	
Running-in period	3-4



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S

Safety instructions	2-1
Applications with lifting gear	2-6
General conduct	2-2
Identification	2-1
Maintenance	2-7
Operation	2-4
Special hazards	2-9
Trailers and attachments	2-6
Transport	2-6
Signs and symbols	1-9
Spark plug	5-7
Specifications	
Coolant compound table	6-40
Electrical system	6-40
Engine	
Noise levels	6-40
Work hydraulics	6-40
Starting aid	3-12
Т	
Track maintenance	5-17
W	
Warranty	2-1









1 Introduction

1.1 Important information on this Operator's Manual

Please store the Operator's Manual in the storage tube under the engine cover.

This Operator's Manual contains important information on how to work safely, correctly and economically with the machine. Therefore, it aims not only at new operators, but it also serves as a reference for experienced ones. It helps to avoid dangerous situations and reduce repair costs and downtimes. Furthermore, the reliability and the service life of the machine will be increased by following the instructions in the Operator's Manual. This is why the Operator's Manual must always be kept at hand in the machine.

The safety of the driver and other persons heavily depends on how safely the machine is used. Therefore, carefully read and understand this Operator's Manual prior to the first drive. This Operator's Manual will help to familiarise yourself more easily with the machine, thereby enabling you to use it more safely and efficiently.

Prior to the first drive, carefully read chapter "Safety Instructions" as well, in order to be prepared for possible dangerous situations, as it will be too late for it during operation. As a rule, keep the following in mind:

Careful and prudent working is the best way to avoid accidents!

Operational safety and readiness of the machine do not only depend on your skill, but also on maintenance and servicing of the machine. This is why regular maintenance and service work is absolutely necessary.

Extensive maintenance and repair work must always be carried out by an expert with appropriate training. Insist on using original spare parts when carrying out maintenance and repair work. This ensures operational safety and readiness of your machine, and maintains its value.

Your Wacker Neuson dealer will be pleased to answer any further questions regarding the machine or the Operator's Manual.

Abbreviations/symbols

- · This symbol stands for a list
 - Subdivision within lists or an activity. Follow the steps in the recommended order
- This symbol requires you to carry out the activity described
- Description of the effects or results of an activity

n. s. = not shown

"Opt" = option

Stated whenever controls or other components of the machine are installed as an option.

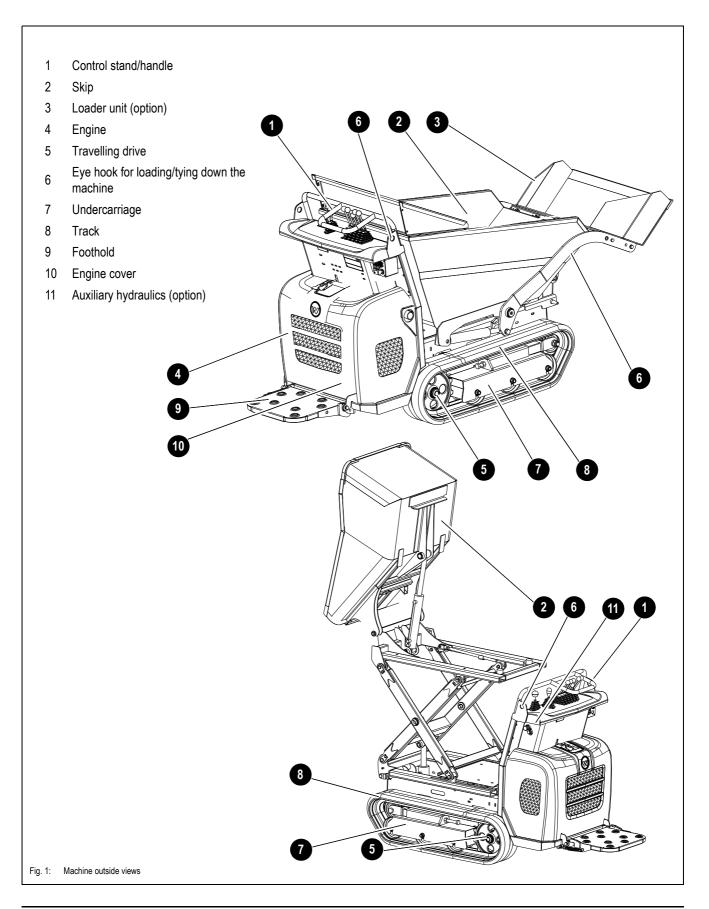
This symbol shows the driving direction – for better orientation in figures and graphics.

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1.2 Overall view of machine







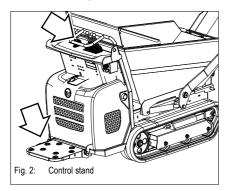
1.3 Brief description

The model DT08 dumper is a self-propelled work machine. Get informed on and follow the legal regulations of your country.

The main components of the machine are:

- · Tracked travel gear
- · Control stand with integrated oil and fuel tanks
- · Internal combustion engine
 - Model DT08-P: single-cylinder petrol engine
 - Model DT08-D: single-cylinder diesel engine
- Skir
- High-tip skip (option)
- Loader unit (option)

Definition of operator's control stand



The dumper's control stand is the:

- Foothold
- · Control stand

Operate the machine only by means of the foothold and the control stand.



Danger!

The driver must not lean or reach outside the dimensions of the machine. This applies in particular to his feet –

Danger of accidents

Stand on the foothold ensuring that neither your feet nor other limbs protrude beyond the dimensions of the machine!



Danger!

The driver must always firmly hold onto the handle of the control stand with both hands –

Danger of accidents

The driver is subjected to high acceleration forces in particular when moving off with the machine!

1.4 Regulations

Requirements to be met by the driver

Earth moving machines may be driven and serviced only by persons who meet the following requirements:

- 18 years or older
- · Physically and mentally suited for this work
- Persons have been instructed in driving and servicing the earth moving machine and have proven their qualifications to the contractor
- · Persons are expected to carry out work reliably.

They have been appointed by the contractor for driving and servicing the earth moving machine.

Get informed on and follow the legal regulations of your country.

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1.5 EC declaration of conformity model DT08-P, for machines with CE mark on type label



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EC Declaration of Conformity

According to Machine Directive 2006/42/EC, appendix II A

Manufacturer

Wacker Neuson Linz GmbH Haidfeldstr. 37 A-4060 Linz-Leonding

Product

Machine designation:

Machine model:

Serial no.:

Output (kW):

Measured sound power level:

100 dP (A)

Measured sound power level: 100 dB (A)
Guaranteed sound power level: 101 dB (A)

Conformity assessment procedure

Notified body according to Directive 2006/42/EC, appendix XI:

Fachausschüsse Bau und Tiefbau

Prüf- und Zertifizierungsstelle im BG-PRÜFZERT

Landsberger Str. 309 D-80687 Munich

Distinguishing EU number 0515

Notified body according to Directive 2000/14/EC, appendix VI:

TÜV SÜD Industrie Service GmbH

Westendstr. 199 D-80686 Munich

Directives and standards

We hereby declare that this product corresponds to the relevant regulations and requirements of the following Directives and standards:

2004/108/EC, 2000/14/EC, 97/68/EC, EN ISO 12100;

EN 474-1 (except 5.5.8.1, 5.9, 5.19.1), EN 474-6 (except 5.7.3.3)

Leonding,			
Place, date	Responsible for documentation	Managing director	

1-4





Leonding, _

Place, date

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1.6

Declaration of conformity model DT08-P, for machines without CE mark on type label		
	WACKER NEUSON	
	Declaration of conformity	<i>!</i>
	Manufacturer Wacker Neuson Linz GmbH Haidfeldstr. 37 A-4060 Linz-Leonding	
	Product Machine designation: Machine model: Serial no.: Output (kW): Measured sound power level: Guaranteed sound power level:	Compact Dumper DT08-P 6.6 kW 100 dB (A) 101 dB (A)
Directives and standards We hereby declare that this product corresponds to the relevant regulations and requirements of the following Directives ar standards: 2004/108/EC, 2000/14/EC, 97/68/EC, EN ISO 12100; EN 474-1 (except 5.5.8.1, 5.9, 5.19.1), EN 474-6 (except 5.7.3.3)		

1-5

Managing director

Responsible for documentation





1.7 EC declaration of conformity model DT08-D, for machines with CE mark on type label



WACKER NEUSON

EC Declaration of Conformity

According to Machine Directive 2006/42/EC, appendix II A

Manufacturer

Wacker Neuson Linz GmbH Haidfeldstr. 37 A-4060 Linz-Leonding

Product

Machine designation:

Machine model:

Serial no.:

Output (kW):

Compact Dumper
DT08-D

6.8 kW

Output (kW): 6.8 kW

Measured sound power level: 100 dB (A)

Guaranteed sound power level: 101 dB (A)

Conformity assessment procedure

Notified body according to Directive 2006/42/EC, appendix XI:

Fachausschüsse Bau und Tiefbau

Prüf- und Zertifizierungsstelle im BG-PRÜFZERT

Landsberger Str. 309 D-80687 Munich

Distinguishing EU number 0515

Notified body according to Directive 2000/14/EC, appendix VI:

TÜV SÜD Industrie Service GmbH

Westendstr. 199 D-80686 Munich

Directives and standards

We hereby declare that this product corresponds to the relevant regulations and requirements of the following Directives and standards:

2004/108/EC, 2000/14/EC, 97/68/EC, EN ISO 12100;

EN 474-1 (except 5.5.8.1, 5.9, 5.19.1), EN 474-6 (except 5.7.3.3)





1.8

Declaration of conformity model DT08-D, for machines without CE mark on type label		
WACKER NEUSON		
Declaration of conform	nity	
Manufacturer Wacker Neuson Linz GmbH Haidfeldstr. 37 A-4060 Linz-Leonding Product Machine designation: Machine model: Serial no.: Output (kW): Measured sound power level: Guaranteed sound power level:	Compact Dumper DT08-D 6.8 kW 100 dB (A) 101 dB (A)	
Directives and standards We hereby declare that this product corresstandards: 2004/108/EC, 2000/14/EC, 97/68/EC, EN EN 474-1 (except 5.5.8.1, 5.9, 5.19.1), EN		

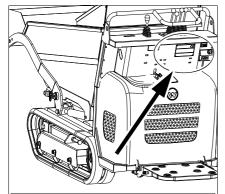
Leonding, _ Responsible for documentation Managing director Place, date

1-7 BA DT08 SL EN - Edition 1.0 * dt08b110.fm



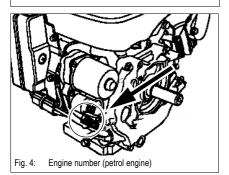


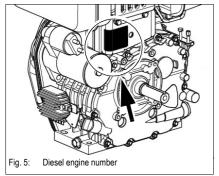
1.9 Type labels and component numbers



	Wacker Neuson Lins GmbH Haddedstrade 37, 4060 Lin-Leonding, Austria Tel, +43 (0)723 09590-0 Fex +43 (0)732 09590-200 office@wackerneuson.org
Fahrzeug-Typ Model Modèle	CT DUMPER Baujshr Model year Année fabr.
EWG Nr. CEE no. CEE no.	Année fabr. Lettung Output Performance [kW]
FgNr. Sertal no. No. de sérte	Max. Nutrised Max. psyload Max. charge utte
G. Gew. GWR [kg] PTAC	Betitebsgewicht Operating weight, [kg] Polds en charge
Zul. Achslast vom Front GAWR [kg] PNBE AV	Transportgewidth Transport weight Polisis de transport
Zul. Achslast Ninten Rear GAWR [kg] PNBE AR	Typ/Aust Version Version
0	0
1000191013	Made in Austria

Fig. 3: Position of the type label





Serial number

The serial number is located on the type label.

The type label is located at the rear right of the control stand.

Type label information

Other information – see chapter 6 Specifications on page 6-33

Engine number

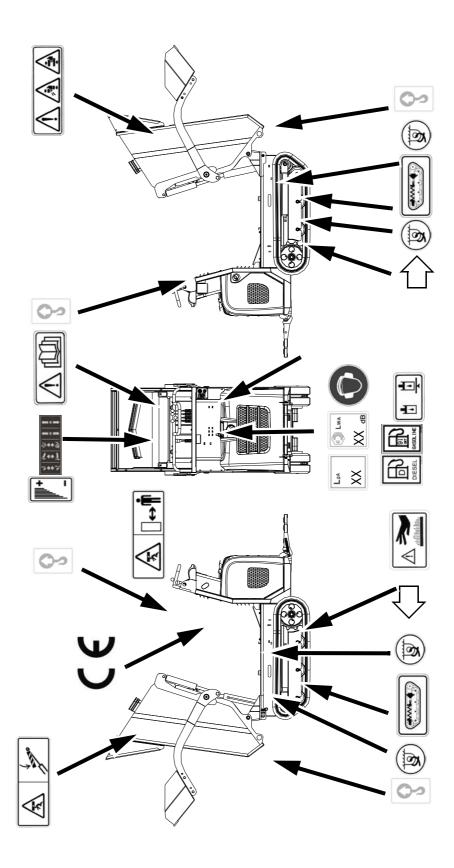
The type label (arrow) is located next to the oil check plug.

The type label (arrow) is located below the tank (engine).





1.10 Signs and symbols



1-9 BA DT08 SL EN – Edition 1.0 * dt08b110.fm





The following states signs and symbols which are not unequivocally comprehensible. They do not contain explanatory text and are not explained in the following chapters.

Meaning

Machine is raised by the eye hooks

see chapter Crane handling the machine on page 3-20

Location

On the chassis near the front and rear eye hooks

Meaning

Points for tying down the machine.

The eye hooks are used for tying down the machine during loading and transport.

see chapter Tying down the machine on page 3-22

Location

On the chassis near the front and rear eye hooks.

Meaning

Noise levels produced by the machine.

L_{WA} = sound power level

Other information – see chapter on page 6-35

Location

Protective plate on control stand

Meaning

Indication of driver-perceived sound pressure level.

 L_{Pa} = sound pressure level

Other information – see chapter on page 6-35

Location

Protective plate on control stand

Meaning

General indication of danger

This symbol alerts persons standing or working near the machine of an existing danger.

Location

On left and right of skip

Meaning

The CE mark means that the machine meets the requirements of the Machine Directive and that the conformity procedure has been carried out. The machine meets all the health and safety requirements of the Machine Directive.

Location

On the type label



Fig. 6: Eye hook label



Fig. 7: Label for points used for tying down the machine



Fig. 8: Noise level label



Fig. 9: Label with indication of sound pressure



Fig. 10: Danger label



Fig. 11: CE mark







Fig. 12: Petrol

Meaning

Fill in petrol only! 91 octane regular

Location

On the control stand (model DT08-P)



Fill in diesel fuel only!

Location

On the control stand (model DT08-D)



Fig. 13: Diesel



Fig. 14: Hydraulic oil

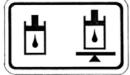


Fig. 15: Read the Operator's Manual



Fig. 16: Safety strut



The tank contains hydraulic oil.

- see chapter Filling up hydraulic oil on page 5-14

Location

Next to the filler inlet of the hydraulic oil tank

Meaning

Read the Operator's Manual before using the machine.

Location

On left and right of skip

Meaning

Use a safety strut before carrying out work under the skip.

Location

On left and right of skip

Meaning

General indication of danger

This symbol alerts persons standing or working near the machine of an existing danger of shearing around the machine.

Location

On left and right of skip

Meaning

Do not touch hot surfaces, wait for parts to cool down.

Location

Near the exhaust system

Meaning

Danger due to spring-loaded components! Always read the Operator's Manual before working on the tracks.

Location

Right and left-hand side of chassis



Fig. 17: Danger of shearing



Fig. 18: Hot surfaces



Fig. 19: Track tension adjustment

1-11 BA DT08 SL EN - Edition 1.0 * dt08b110.fm







Fig. 20: Main label



Fig. 21: Throttle



Fig. 22: Ear protection

Meaning

This label explains the machine's control elements

- see chapter 3.1 Control stand overview (model DT08-P skip and high-tip skip) on page 3-1 and
- see chapter 3.2 Control stand overview (model DT08-D skip and high-tip skip) on page 3-2

Location

On the control stand

Meaning

Indication of throttle.

Location

On the control stand

Meaning

The machine's control stand is not enclosed, therefore always carry an ear protection.

Location

On the control stand





2 Safety instructions

2.1 Identification of warnings and dangers

Important indications regarding the safety of the staff and the machine are identified in this Operator's Manual with the following terms and symbols:



Danger!

Failure to observe the instructions identified by this symbol can result in personal injury or death for the operator or other persons.

■ Measures for avoiding danger



Caution!

Failure to observe the instructions identified by this symbol can result in damage to the machine.

Measures for avoiding danger for the machine



Notice!

This symbol identifies instructions for a more efficient and economical use of the machine.



Environment!

Failure to observe the instructions identified by this symbol can result in damage to the environment. The environment is in danger if environmentally hazardous material (e.g. waste oil) is not subject to proper use or disposal.

2.2 Warranty

Warranty claims can be brought forward to your Wacker Neuson dealer only. Furthermore, the instructions in this Operator's Manual must be observed.

2.3 Disposal

All fluids, lubricants, material, etc., used on the machine are subject to specific regulations regarding collection and disposal. Dispose of different materials and consumables separately and in an environmentally friendly manner!

Disposal may be carried out by a Wacker Neuson dealer only. Also observe the national regulations regarding disposal!



Environment!

Avoid damage to the environment! Do not allow the oil and oily wastes to get into the ground or stretches of water!

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2.4 Designated use and exemption from liability

- · The machine is intended for:
 - · Moving earth, gravel, coarse gravel or ballast and rubble
 - Every other application is regarded as not designated for the use of the machine.
 Wacker Neuson shall not be liable for damage resulting from this and the risk shall be fully borne by the user.
 - Designated use also includes observing the instructions set forth in the Operator's Manual and observing the maintenance and service conditions.
- The safety of the machine can be negatively affected by carrying out machine modifications without proper authority and by using spare parts, equipment and options which have not been checked and released by Wacker Neuson. Wacker Neuson GmbH will not be liable for damage resulting from this
- Wacker Neuson Linz shall not be liable for personal injury and/or damage to property caused by failure to observe the safety instructions and the Operator's Manual, and by the negligence of the duty to exercise due care when:
 - · handling
 - · operating
 - · servicing and carrying out maintenance work and
 - repairing the machine. This is also applicable in those cases in which special
 attention has not been drawn to the duty to exercise due care, in the safety instructions, the Operator's Manuals and maintenance manuals (machine/engine).
 - Read and understand the Operator's Manual before starting up, servicing or repairing the machine. Observe the safety instructions!
- The machine may not be used for transport jobs on public roads.

2.5 General conduct and safety instructions

Organisational measures

- The machine has been designed and built in accordance with state-of-the-art standards and the recognised safety regulations. Nevertheless, its use can constitute a risk to life and limb of the user or of third parties, or cause damage to the machine and to other material property
- The machine must only be used in technically perfect condition in accordance with its
 designated use and the instructions set forth in the Operator's Manual, and only by
 safety-conscious persons who are fully aware of the risks involved in operating the
 machine! Any malfunctions, especially those affecting safety, must therefore be
 rectified immediately!

Basic rule:

Before putting the machine into operation, inspect the machine for safety in work and road operation!

- Careful and prudent working is the best way to avoid accidents!
- The Operator's Manual must always be at hand at the place of use of the machine, and must therefore be kept in its storage bin.

 Immediately complete or replace an incomplete or illegible Operator's Manual.
 - Immediately complete or replace an incomplete or illegible Operator's Manual.
- In addition to the Operator's Manual, observe and instruct the operator in all other generally applicable legal and other mandatory regulations relevant to accident prevention and environmental protection.
 - These compulsory regulations may also deal with handling hazardous substances, issuing and/or wearing personal protective equipment, or traffic regulations
- With regard to specific operational features, e.g. those relevant to job organisation, work sequences or the persons entrusted with the work, supplement the Operator's Manual by corresponding instructions, including those relevant to supervising and reporting duties

2-2





- Persons entrusted with work on the machine must have read and understood the Operator's Manual and in particular, chapter "Safety Instructions" before beginning work. This applies especially to persons working only occasionally on the machine, e.g. set-up or maintenance
- The user/owner must check at least from time to time whether the persons entrusted with operation or maintenance are working in compliance with the Operator's Manual and are aware of risks and safety factors.
- The user/owner commits himself to operate and keep the machine in perfect condition, and, if necessary or required by law, to require the operating or servicing persons to wear protective clothing (e. g. safety shoes, hard hat).
- In the event of safety-relevant modifications or changes on the machine or of its behaviour, stop the machine immediately and report the malfunction to the competent authority/person.
 - Safety-relevant damage or malfunctions of the machine must be rectified immediately
- Never make any modifications, additions or conversions to the machine and its superstructures (e.g. control stand, skip etc.), as well as to the attachments, which might affect safety without the approval of Wacker Neuson! This also applies to the installation and the adjustment of safety devices and valves, as well as to welding work on load-bearing elements
- Spare parts must comply with the technical requirements specified by Wacker Neuson.
 Original spare parts can be relied to do so
- Replace hydraulic hoses within stipulated and appropriate intervals even if no safetyrelevant defects have been detected
- Before working on or with the machine, remove jewellery, such as rings, wristwatches, bracelets etc., and tie back long hair and do not wear loose-fitting garments, such as unbuttoned or unzipped jackets, ties or scarves.
 Injury can result from being caught up in the machinery or from rings catching on moving parts!
- · Keep the machine clean. This reduces
 - · Fire hazard, e.g. due to oil-soaked rags lying around
 - · Danger of injury, e.g. due to dirt or debris on the foothold, and
 - · Danger of accidents e.g. due to dirt pile-up on the control elements
- Observe all safety, warning and information signs and labels on the machine
- Adhere to prescribed intervals or those specified in the Operator's Manual for routine checks/inspections and maintenance work!
- For service, inspection, maintenance or repair work, tools and workshop equipment adapted to the task on hand are absolutely indispensable.

Selection and qualification of staff, basic responsibilities

- Any work on or with the machine must be carried out by reliable staff only. Do not let unauthorised persons drive or work with the machine! Observe statutory minimum age limits!
- The machine may be used by correctly trained or competent staff only. The staff's authorities for operating, equipping and carrying out maintenance and repair of the machine must be defined clearly and distinctly!
- Define the machine operator's responsibilities also with regard to observing traffic
 regulations. Give the operator the authority to refuse instructions by third parties that
 are contrary to safety.
- Do not allow persons to be trained or instructed or persons taking part in a general training course to work on or with the machine without being permanently supervised by an experienced person!

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- Work on the electrical system and equipment, on the undercarriage and the steering and brake systems may be carried out only by skilled staff which has been specially trained for such work.
 - Work on the hydraulic system of the machine must be carried out only by staff with special knowledge and experience in hydraulic equipment!
- Seal off the danger zone should it not be possible to keep a safe distance.
 Stop work if persons do not leave the danger zone in spite of warning! Keep out of the danger zone!

Danger zone:

The danger zone is the area in which persons are in danger due to the movements of the

- machine
- · work equipment
- · additional equipment or
- material
- This also includes the area affected by falling material, equipment or by parts which are thrown out.
 - The danger zone must be extended by 0.5 m in the immediate vicinity of
- · buildings
- · scaffolds or
- · other elements of construction

2.6 Safety instructions regarding operation

Normal operation

- · Avoid any operational mode that might be prejudicial to safety!
- Before beginning work, familiarise yourself with the surroundings and circumstances of the work site. These are e.g. obstacles in the working and travelling area, the soil bearing capacity and any necessary barriers separating the work site from public roads
- Take the necessary precautions to ensure that the machine is used only when in a safe and reliable state!
 - Operate the machine only if all protective and safety-oriented devices, e.g. removable safety-devices, soundproofing elements and exhausters etc., are in place and fully functional!
- Check the machine at least once a day/per work shift for visible damage and defects!
 Report any changes (incl. changes in working behaviour) to the competent organisation/person immediately! If necessary, stop the machine immediately and lock it!
- In the event of malfunctions, stop the machine immediately and lock it! Have any defects rectified immediately!
- · Start and operate the machine from the seat only!
- Carry out start-up and shut-down procedures in accordance with the Operator's Manual, and observe the indicator lights!
- Before putting the machine/attachment into operation (start-up/moving), ensure that noone is at risk by putting the machine/attachment into operation!
- Before driving with the machine, and also after interrupting work, check whether all control levers are functional!
- Before moving the machine always check whether the supplementary equipment has safely stowed away or attached!
- When driving on public roads, ways and places for purposes of construction work, observe the traffic regulations in force and, if necessary, ensure beforehand that the machine is in a condition perfectly compatible with these regulations!
- Ensure good illumination of the machine's work area in conditions of poor visibility or after dark!
 - Stop work if this is not possible to a reasonable degree!
- Since the machine has no acoustic warning system, stop the machine or interrupt work immediately if a person is likely to approach the working range of the machine!

2-4





- · No lifting, lowering or carrying persons!
- · Installing a man basket or a working platform is prohibited!
- When crossing underpasses, bridges and tunnels, or when passing under overhead lines always ensure that there is enough clearance!
- Always keep a safe distance from the edges of building pits and slopes!
- When working in buildings or in enclosed areas, look out for:
 - · Height of the ceiling/clearances
 - · Width of entrances
 - · Maximum load of ceilings and floors
 - Sufficient room ventilation danger of poisoning!
- · Avoid any operation that might be a risk to machine stability!
- During operation on slopes, drive or work uphill or downhill. If driving across a slope
 cannot be avoided, bear in mind the tilting limit of the machine! Always keep the work
 equipment close to the ground! This also applies to driving downhill! When driving or
 working across a slope, the load must be on the uphill side of the machine.
- If the skip is less than half full, drive backwards uphill or forwards downhill.
- If the skip is more than half full, drive forwards uphill or backwards downhill.
- On sloping terrain always adapt your drive speed to the prevailing ground conditions!
 Never change to lower gear on a slope but always before reaching it!
- Before leaving the seat always secure the machine against unintentional movement and unauthorised use!
 - Lower the work equipment to the ground
- The machine has no FOPS protection. Therefore, do not use the machine in areas with danger of falling objects!
- · Before starting work check whether
 - all safety devices are properly installed and functional
- Before moving the machine or before taking up work:
 - · Ensure that visibility is sufficient
 - Inspect the immediate area (children!)
 - · In the work area the operator is responsible for third parties!
- · Caution when handling fuel increased danger of fire!
 - Ensure that fuel does not come into contact with hot parts!
 Do not smoke during refuelling, and avoid fire and sparks. Stop the engine during refuelling and do not smoke!
- Operation in potentially explosive areas is forbidden.
- Never get on or off a moving machine! Never jump off the machine!
- The drive levers take time getting used to them. Drive speed must be adapted to your skills and to the prevailing conditions.

2-5 BA DT08 SL EN – Edition 1.0 * dt08b210.fm





Applications with lifting gear

Definition:

Applications with lifting gear are understood as procedures involving raising, transporting and lowering loads with the help of slings and load-securing devices (e.g. ropes, chains). In doing so, the help of persons is necessary for securing and detaching the load. This applies for example to lifting and lowering pipes, shaft rings or containers.

- · No applications with lifting gear!
- · Hitching and towing other vehicles is not allowed!
- Thiching and towning other vehicles is not allowed:
 - The machine must be loaded and transported only in accordance with the Operator's Manual!
 - For towing the machine observe the prescribed transport position, admissible speed and itinerary.
 - Use only suitable means of transport of adequate capacity/payload!
 - Safely secure the machine on means of transport! Use suitable mounting points and load-securing devices
 - The recommissioning procedure must be strictly in accordance with the Operator's Manual!

Temperature ranges

Trailers

Transport

The machine can be used at a maximum temperature of +45 °C and a minimum temperature of -15 °C. Get in touch with your Wacker Neuson dealer if you intend to use the machine in other temperature ranges (e. g. tropical temperatures, etc.).

Carry out all maintenance and inspection work before storing the machine for the winter. Then store the machine in a dry place at ambient temperature (about +15 °C). Observe these temperature ranges so as not to affect the machine's service life.

2-6





2.7 Safety instructions for maintenance

- · Avoid any operational mode that might be prejudicial to safety!
- Observe the adjustment, maintenance and inspection activities and intervals set forth in the Operator's Manual, including information on the replacement of parts/partial equipment!
 - These activities must be carried out by technical staff only.
- · The machine may not be serviced, repaired or test-driven by unauthorised staff
- Brief the staff/the driver before beginning special operations and maintenance work!
 Appoint a person to supervise the activities!
- In any work concerning the operation, conversion or adjustment of the machine and its safety-oriented devices, or any work related to maintenance, inspection and repair, observe the start-up and shut-down procedures set forth in the Operator's Manual, and the information on maintenance work.
- If required, secure the maintenance area appropriately!
- Prior to carrying out service, maintenance and repair work, attach a warning label, such
 as "Repair work do not start machine!", to the ignition lock/steering wheel or to the
 control elements.
 - Remove the ignition key!
- Carry out service, maintenance and repair work only if the
 - · machine is positioned on firm and level ground
 - the forwards-reverse lever is in neutral
 - all hydraulically movable attachments and working equipment have been lowered to the ground
 - · engine is stopped
 - · ignition key is removed and
 - machine has been secured against unintentional movement
 - the maintenance strut is installed see chapter Maintenance strut on page 5-1
- Should maintenance or repair be inevitable with the engine running:
 - · Only work in groups of two
 - · Both persons must be authorised for the operation of the machine
 - · Observe the specific safety instructions in the work manual
 - Keep a safe distance from all rotating and moving parts, e.g. fan blades, V-belt drives, fans etc.
- Prior to carrying out assembly work on the machine, ensure that no movable parts will roll away or start moving.
- To avoid the risk of accidents, parts and large assemblies being moved for replacement purposes must be carefully attached and secured to lifting gear.
 Use only suitable lifting gear and suspension systems in a technically perfect state with adequate load-bearing capacity!
 Stay clear of suspended loads!

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- Have loads fastened and crane operators guided by experienced persons only!
 The person guiding the operator must be within sight or sound of him
- Always use specially designed or otherwise safety-oriented ladders and working
 platforms to carry out overhead assembly work.
 Never use machine parts or attachments/superstructures as a climbing aid!
 Wear a safety harness when carrying out maintenance work at greater heights!
 Keep all handles, steps, handrails, platforms, landings and ladders free from dirt, snow
 and ice!
- Clean the machine, especially connections and threaded unions, of any traces of oil, fuel or preservatives before carrying out maintenance/repair work!
 Do not use aggressive detergents!
 Use lint-free cleaning rags!
- Before cleaning the machine with water, steam jet (high-pressure cleaner) or detergents, cover or tape up all openings which for safety and functional reasons must be protected against water, steam or detergent penetration. Special care must be taken with the electrical system.
- · After cleaning, remove all covers and tapes applied for that purpose!
- After cleaning, examine all fuel, lubricant and hydraulic oil lines for leaks, chafe marks and damage!
 Rectify all defects without delay!
- Always tighten any screw connections that have been loosened during maintenance and repair!
- Any safety devices removed for set-up, maintenance or repair purposes must be refitted and checked immediately upon completion of the maintenance and repair work.
- Ensure that all consumables and replaced parts are disposed of safely and with minimum environmental impact!
- Do not use the work equipment as lifting platforms for persons!
- Before taking up work on machine parts dangerous for life and limb (bruising, cutting), always ensure safe blocking/support of these areas
- Carry out maintenance and repair work beneath a raised machine, attachments or additional equipment only if a safe and secure support has been provided for (the sole use of hydraulic rams, jacks etc. does not sufficiently secure raised machines or equipment/attachments)
- Avoid contact with hot parts, such as the engine block or the exhaust system during the operation of the machine and for some time afterwards – danger of burns!
- Retainer pins can fly out or splinter when struck with force danger of personal injury!
- Do not use starting fuel! This especially applies to those cases in which a heater plug (intake-air preheating) is used at the same time – danger of explosions!
- Apply special care when working on the fuel system increased danger of fire!

2-8 BA DT08 SL EN – Edition 1.0 ** dt08b210.fm





2.8 Warning of special hazards

Electrical energy

- Use only original fuses with the specified current rating!
 Switch off the machine immediately and rectify the malfunction if trouble occurs in the electrical system!
- When working with the machine, maintain a safe distance from overhead electric lines!
 If work must be carried out close to overhead lines, the equipment/attachments must be kept well away from them. Caution, danger! Get informed on the prescribed safety distances!
- · If your machine comes into contact with a live wire
 - · Warn others against approaching and touching the machine
 - · Have the live wire de-energised
 - Do not leave the machine until the line that has been touched or damaged has been safely de-energised!
- Work on the electrical system may only be carried out by a technician with appropriate training, in accordance with the applicable electrical engineering rules
- Inspect and check the electric equipment of the machine at regular intervals. Defects such as loose connections or scorched cables must be rectified immediately
- · Observe the machine's operating voltage!
- Always remove the earthing strap from the battery when working on the electrical system or when carrying out welding work!
- Starting with a battery jumper cable can be dangerous if carried out improperly.
 Observe the safety instructions regarding the battery!

Gas, dust, steam, smoke

- Operate the machine only on adequately ventilated premises! Before starting the internal combustion engine on enclosed premises, ensure that there is sufficient ventilation!
 - Observe the regulations in force at the respective site!
- Welding, burning and grinding work on the machine may only be carried out by a Wacker Neuson dealer. Risk of fire and explosion!
- Before carrying out welding, flame-cutting and grinding work, clean the machine and its surroundings from dust and other inflammable substances, and ensure that the premises are adequately ventilated – danger of explosions!
- In areas with special hazards (e.g. toxic gases, caustic vapours, toxic environments), wear appropriate protective equipment (breathing filters, protective clothing)!

Hydraulics

- Work on the hydraulic equipment of the machine must be carried out only by persons having specific technical knowledge and experience in hydraulic systems!
- Check all lines, hoses and screw connections regularly for leaks and obvious damage!
 Repair any damage and leaks immediately! Splashed oil can cause injury and fire
- In accordance with the Operator's Manual/instructions for the respective assembly, release the pressure in all system sections and pressure lines (hydraulic system) to be opened before carrying out any implementing/repair work!
- Hydraulic and compressed-air lines must be laid and fitted properly! Ensure that no connections are interchanged! The fittings, lengths and quality of the hoses must comply with the technical requirements

2-9 BA DT08 SL EN – Edition 1.0 * dt08b210.fm

Safety instructions





Noise

- · During operation all sound baffles must be closed.
- Wear ear protectors if necessary!

Oil, grease and other chemical substances

- When handling oil, grease and other chemical substances (e.g. battery electrolyte sulphuric acid), observe the product-related safety regulations (safety data sheet)!
- Be careful when handling hot consumables risk of being burned or scalded by fluids!

Battery

- When handling the battery observe the specific safety instructions and regulations relevant to accident prevention. Batteries contain sulphuric acid caustic!
- When charging batteries in particular, as well as during normal operation of batteries, an oxyhydrogen mixture is formed in the battery cells. Danger of explosion!
- In case of a frozen battery or of an insufficient electrolyte level, do not try start-up with a battery jumper cable. The battery can burst or explode
 - Dispose of the battery immediately

Tracks

- Repair work on the tracks must be carried out by technical staff or by an authorised workshop only!
- Defective tracks reduce the machine's operational safety. Therefore carry out regular checks of the tracks for
 - · Cracks, cuts or other damage
- · Check track tension at regular intervals.





3 Operation

This chapter describes the controls, and contains information on the function and handling of the indicator lights and controls.

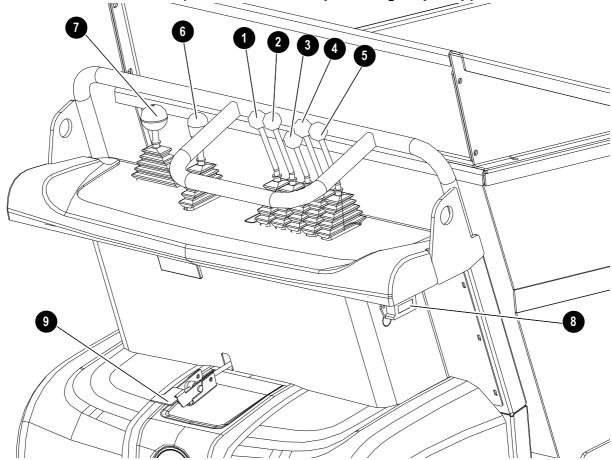
The pages stated in the table refer to the description of the controls.

Numeric or alphanumeric combinations (for example 40/18 or 40/A) used for identifying control elements, mean:

figure no. 40/control element no. 18, or position \boldsymbol{A} in figure no. 40

Figures carry no numbers if they are placed to the left of the text.

3.1 Control stand overview (model DT08-P skip and high-tip skip)



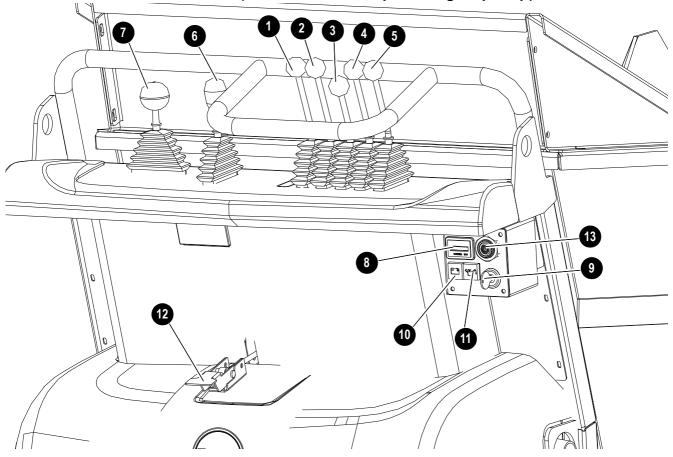
Pos.	Description	For more information see page
1	Loader unit operation (option)/raise skip (option)	3-18
2	Skip operation	3-17
3	Normal or high speed lever	3-13
4	Drive lever (left)	3-13
5	Drive lever (right)	3-13
6	Throttle	
7	Auxiliary hydraulics (option)	3-28
8	Hour meter	
9	Lock	

BA DT08 SL EN – Edition 1.0 * dt08b320.fm 3-1





3.2 Control stand overview (model DT08-D skip and high-tip skip)



Pos.	Description	For more information see page
1	Loader unit operation (option)/raise skip (option)	3-18
2	Skip operation	3-17
3	Normal or high speed lever	3-13
4	Drive lever (left)	3-13
5	Drive lever (right)	3-13
6	Throttle	
7	Auxiliary hydraulics (option)	3-28
8	Hour meter	
9	Ignition lock	
10	Alternator charge function indicator light	3-3
11	Engine oil pressure indicator light 3-3	
12	Lock	
13	Buzzer	3-3





10 Alternator charge function indicator light



Caution!

If the indicator light comes on with the engine running:

- Stop the engine immediately and
- Have the cause repaired by an authorised workshop

The alternator or the charging circuit of the alternator is faulty if the indicator light comes on with the engine running. The battery is no longer charged.

11 Engine oil pressure indicator light



Caution!

If the indicator light comes on with the engine running:

- Stop the engine immediately and
- Check the oil level. If it is too low, fill up the engine oil. If it is correct, contact an authorised workshop.

The oil pressure is too low if this indicator light comes on with the engine running. Operating the machine with insufficient oil pressure can cause engine damage!

13 Buzzer

The buzzer sounds as soon as ignition is switched on.

This avoids emptying the battery by leaving ignition switched on unintentionally.

Turn the ignition key and switch off the control panel.

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3.3 Putting into operation

Safety instructions

- · Always face the machine as you get on and off the machine
- · Never use the controls or movable lines and cables as handles
- Never get on or off a moving machine! Never jump off the machine

Putting the machine into operation for the first time

Important information

- The machine may be put into operation by authorised staff only see chapter Selection and qualification of staff, basic responsibilities on page 2-3 and – see chapter 2 Safety instructions on page 2-1 of this Operator's Manual.
- The staff must have read and understood this Operator's Manual before putting the machine into operation
- The machine may only be used in technically perfect condition in accordance with its
 designated use and the instructions set forth in the Operator's Manual, and only by
 safety-conscious persons who are fully aware of the risks involved in operating the
 machine
- · Go through the "Start-up" checklist in the following chapter

Running-in period

Handle the machine carefully during its first 50 operating hours.

The future performance and service life of the machine are heavily dependent on the observance of the following recommendations during the running-in period.

- Do not overload the machine, but at the same time do not drive too cautiously either, as the machine will never reach its proper operating temperature
- · Do not run the engine at high speed for extended periods
- · Increase the load gradually whilst varying the engine speed
- Strictly observe the maintenance schedules in the appendix
 - see chapter 5.10 Maintenance plan DT08-P (petrol engine) on page 5-25
 - see chapter 5.11 Maintenance plan DT08-D (diesel engine) on page 5-27





Check lists

The checklists below are intended to assist you in checking and monitoring the machine before, during and after operation.

These checklists cannot claim to be exhaustive; they are merely intended as an aid for you in fulfilling your duties as a conscientious operator.

The checking and monitoring jobs listed below are described in greater detail in the following chapters.

If the answer to one of the following questions is NO, first rectify the cause of the fault before starting or continuing work.

Start-up checklist

Check the following points before putting the machine into operation or starting the engine:

No.	Question	~
1	Enough fuel in the tank? (➡ 5-3)	
2	Engine oil level OK? (➡ 5-8)	
3	Oil level in hydraulic tank OK? (→ 5-14)	
4	Starter cable pull OK?	
5	Lubrication points greased? (■ 5-29)	
6	Tracks checked for cracks, cuts etc.? (■ 5-17)	
7	Especially after cleaning, maintenance or repair work:	
'	Rags, tools and other loose objects removed?	

Operation checklist

After starting the engine and during operation, check and observe the following points:

No.	Question	<
1	Anyone dangerously close to the machine?	
2	Drive levers working correctly? (→ 3-13)	

Parking checklist

Check and observe the following points when parking the machine:

No.	Question	~
1	Loader unit (option) lowered to the ground? (■ 3-18)	
When parking on public roads:		
2	Machine adequately secured?	
When parking on slopes:		
3	Machine also secured with chocks under the tracks to prevent it from rolling away?	

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Before starting the engine

Run through the "Start-up" checklist

General information on starting the petrol engine



Caution!

Never start the petrol engine without petrol! ■ Always check the fuel tank contents before!

- The engine will not start unless the fuel cock is open
- Do not run the starter for more than 5 seconds if the engine does not start
- Wait about 10 seconds before trying again

Procedure

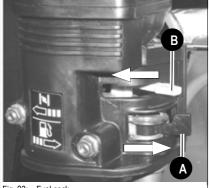
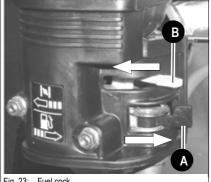


Fig. 23: Fuel cock



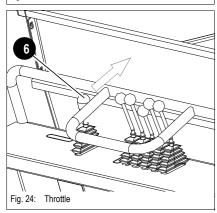
After you have completed the starting preparations:

- Open the engine cover
- Turn fuel cock A to the right
- Turn choke lever **B** to the left

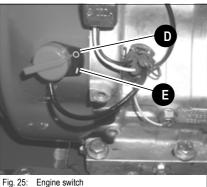


Notice!

Do not use choke lever **B** if the engine is warm or at high air temperatures.



Slightly move throttle 6 forwards

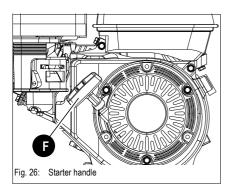


™ Turn the engine switch to position **E**





Manual starter





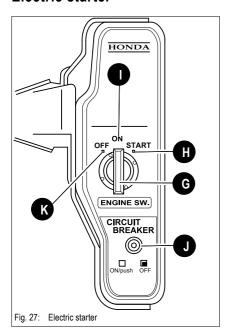
Caution!

Do not allow starter handle **F** to whiplash against the engine.

™ Carefully move back handle **F** to avoid damage to the starter.

Slightly pull starter handle **F** until you can feel a resistance, then firmly pull the handle.

Electric starter



- ™ Turn starter **G** to position **H** and keep it in this position until the engine starts.
 - ➡ Move the switch back to position I after the engine has started.



Notice!

Do not actuate the electric starter for more than 5 seconds. If the engine does not start, release the ignition switch and wait 10 seconds before actuating the starter again.

Circuit-breaker (for electric starter):

The circuit-breaker protects the battery's load circuit. The circuit-breaker is triggered in case of a short circuit or if the battery's terminals are inverted.

The green indicator in the circuit-breaker is ejected to indicate that the circuit-breaker has been triggered. In this case find out the cause for the error or contact your Wacker Neuson workshop before resetting the circuit-breaker.

Press circuit-breaker button **J** back in to reset.

Starting at low temperatures

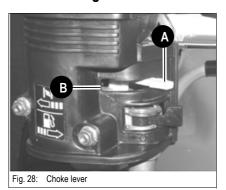
When the engine runs smoothly (increased engine speed):



Notice!

In general, a battery delivers less energy in cold conditions. Therefore ensure that the battery is always well charged.

When the engine has started



- S Gradually push choke lever A to position B
- ™ Let the engine warm up
 - → After the engine has reached its operating temperature, move choke lever **A** fully to the right

At cold temperatures:

- Increase the engine speed slowly
- Do not run the engine at full load until it has reached its operating temperature

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Stopping the petrol engine

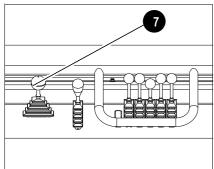
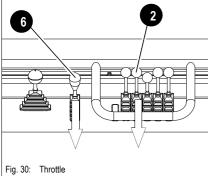
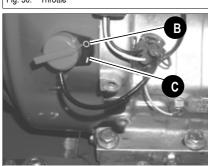


Fig. 29: Auxiliary hydraulics (option)



- Check whether the switch for auxiliary hydraulics 7 is in the centre position
 - The auxiliary hydraulics is switched off

- Push throttle 6 fully backwards
- Push lever 2 fully backwards
 - The engine stops



Turn the engine switch to position **B**

Machine equipped with electric starter

™ Turn the engine switch to position **K** – See **Electric starter** on page 3-7.

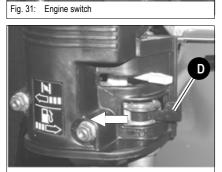


Fig. 32: Fuel cock

™ Turn fuel cock **D** to the right





General Informationen on starting the diesel engine



Caution!

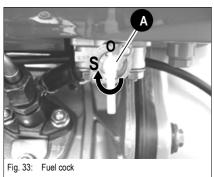
Never start the diesel engine without diesel fuel – the injection pump is fuel-lubricated! Otherwise you run the

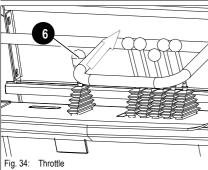
Risk of engine damage!

Always check the fuel level before starting!

- The engine will not start unless the fuel cock is open
- Do not run the starter for more than 5 seconds if the engine does not start
- Wait about 1 minute before trying again

Procedure





After you have completed the starting preparations:

- Turn fuel cock A clockwise to position O
 - The fuel cock is open

Push throttle 6 fully forwards

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Manual starter





Caution!

Do not allow starter handle **C** to whiplash against the engine.

Carefully move back handle **C** to avoid damage to the starter.

Slightly pull starter handle C until you can feel a resistance, then slowly release starter handle C.



Fig. 36: Decompression lever

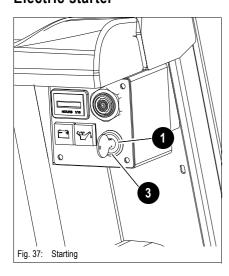
- Press decompression lever **D** all the way down.
- rimly and quickly pull starter handle **C** with both hands
 - ➡ If the engine does not start:
 - Repeat the procedure.



Notice!

The engine will not start unless the cable is pull fully and firmly!

Electric starter



Turn the ignition key to position 1

Turn and hold the ignition key in position 3 until the engine starts

- ➡ If the engine does not start after 5 seconds
- Stop starting the engine and try again after 10 seconds
- ➡ If the engine still does not start after the second try
- Contact a Wacker Neuson workshop for troubleshooting
- ➡ As soon as the engine runs:
- Release the ignition key



Notice!

Do not actuate the electric starter for more than 5 seconds.





Starting at low temperatures

When the engine runs smoothly (increased engine speed):



Notice!

In general, a battery delivers less energy in cold conditions. Therefore ensure that the battery is always well charged.

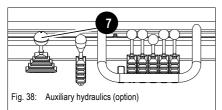
When the engine has started

Let the engine warm up

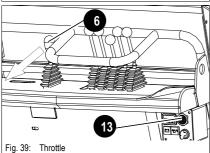
At cold temperatures:

- Increase the engine speed slowly
- Do not run the engine at full load until it has reached its operating temperature

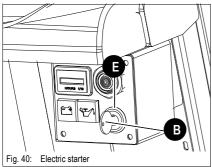
Stopping the diesel engine



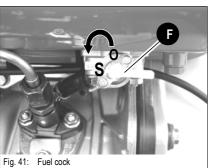
- r Check whether the switch for auxiliary hydraulics 7 is in the centre position
 - The auxiliary hydraulics is switched off



- Push throttle 6 fully backwards until the engine stops
 - → The acoustic warning system 13 sounds to indicate that the control panel is still switched on.



™ Turn ignition key **B** to position **E**



Turn fuel cock **F** counterclockwise to position **S**

BA DT08 SL EN – Edition 1.0 * dt08b330.fm 3-11





Jump-starting the engine (supply battery)

Safety instructions

- Never jump-start the engine if the battery of the machine is frozen danger of explosion!
 - Dispose of a frozen battery!
- The dumper must not touch the jump-starting vehicle when connected with jump leads

 risk of sparking!
- The external power source must deliver 12 V; higher supply voltages will damage the electrical system of the vehicles!
- Use only authorised jump leads which conform to the safety requirements and which are in perfect condition!
- The jump lead connected to the positive + terminal of the starting battery must never be brought into connection with electrically conductive vehicle parts – danger of short circuit!
- Route the jump leads so they cannot catch on rotating components in the engine compartment!

Procedure

- Drive the jump-starting vehicle close enough to the machine so that the jump leads can reach to connect the two batteries
- Let the engine of the jump-starting vehicle run
- First connect one end of the red jump lead (+) to the + terminal of the flat battery, then connect the other end to the + terminal of the starting battery
- Connect one end of the black jump lead (-) to the terminal of the starting battery
- rest Connect the other end of the black jump lead (→) onto a solid metal component fimly mounted on the engine block or onto the engine block itself. Do not connect it to the negative terminal of the flat battery, as otherwise explosive gas emerging from the battery can ignite if sparks are formed!
- Start the engine of the machine with the flat battery

Once the engine has started:

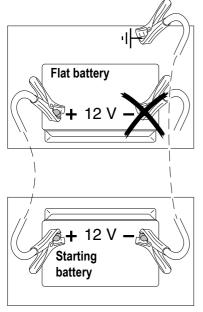


Fig. 42: Starting aid with jump leads

Special instructions for driving on public roads

The machine is subject to the:

Applicable legal regulations of your country (e.g. road traffic regulations)



Notice!

Operation of electric consumers (e.g. lighting equipment) is not allowed. This is why the machine has no socket.

Also observe the applicable regulations for accident prevention of your country.





Moving off

After starting the engine:

Slowly actuate the drive lever

→ Machine moves off



Danger!

The machine has no rearview mirrors -

Danger of accidents when reversing!

The driver must be guided by another person if he does not have sufficient visibility to the rear.

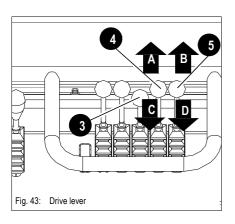
Drive levers



Caution!

Never drive the machine with the skip dumped out and with the loader unit lowered.

- Dump in the skip.
- Raise the loader unit.



The drive movements of the machine are controlled with drive levers 4 and 5.

Position	Function		
• A • B	4 Push forwards 5 Push forwards	Track dumper moves forwards	
• C	4 Pull backwards 5 Pull backwards	Track dumper moves backwards	
• C	4Pull backwards 5 Push forwards	Track dumper turns to the left	
• A • D	4Push forwards 5 Pull backwards	Track dumper turns to the right	

The machine has two drive speeds which can be selected as follows:

- Push lever 3 forwards see Control stand overview (model DT08-P skip and hightip skip) on page 3-1 or – see Control stand overview (model DT08-D skip and high-tip skip) on page 3-2
 - The machine moves at high speed
- Pull lever 3 backwards
 - The machine moves at slow speed.



Notice!

Ensure that both tracks move as you change direction, otherwise the rubber tracks are subject to increased abrasion.

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Driving on slopes

Specific safety instructions



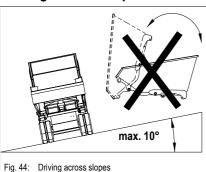
In order to avoid accidents, observe these safety instructions in particular when driving on slopes.

- Dump in the skip when driving the machine.
- Always drive in low speed on slopes!
 - This also ensures more precise and smooth movements of the steering system.
- When driving on slopes or across obstacles,
- · do not steer or drive across slopes.
 - If possible, avoid changing direction when driving on slopes
- When steering the machine, ensure that you can stop safely at all times if the machine starts to skid or if it becomes unstable.
- Dumping, swivelling or using the skip on slopes can cause the machine to lose its balance and to tip over.
 - Avoid this under all circumstances.
- Do not drive on slopes steeper than 15°, otherwise the machine can tip over.
- Do not drive across slopes steeper than 10° otherwise the machine can tip over laterally.
- If the tracks slip when driving uphill and it is no longer possible to move on with the force of the tracks alone
 - Do not use any auxiliary means to move the machine otherwise it can tip over.
- Always drive straight ahead when driving uphill or downhill. Driving diagonally or at an angle to the slope is very dangerous.
- Avoid changing direction on slopes or driving across a slope.
- Drive slowly in meadows, on leaves or wet steel plates. The machine risks slipping even if the slope is not steep. If the engine stops as you drive across a slope, immediately put the control levers to neutral position and start the engine again.





Driving across slopes



The dumper may be driven on firm ground across a slope of up to 10°.



Danger!

Do not exceed the maximum slope.

Danger of accidents!

- The angle must be smaller in the case of soft and uneven ground!
- Do not actuate the skip as you drive on slopes
- Always dump in the skip before driving on slopes
- Always keep the loader unit 30 40 cm above the ground when driving the machine.
- **Always reduce your speed as you drive on slopes see **Drive levers** on page 3-13
- Always drive straight ahead when driving uphill or downhill. Avoid driving diagonally or at an angle.
- The machine is very narrow. Therefore, drive very carefully on slopes or on soft or uneven ground.
- Drive with extreme care on slopes in rain or if the ground is wet or slippery.

Driving on slopes

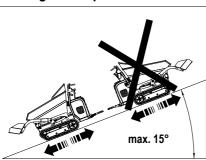


Fig. 45: Driving an empty machine on slopes

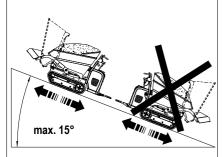


Fig. 45: Driving with a load on slopes

The dumper may be driven on firm ground on a slope of up to 15°.



Danger!

Do not exceed the maximum slope.

Danger of accidents!

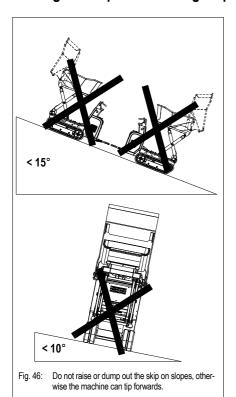
- The driver is not allowed to stand on the foothold when driving on slopes with a loaded machine!
- If the skip is less than half full, drive backwards uphill or forwards downhill.
- If the skip is more than half full, drive forwards uphill or backwards downhill.
- The angle must be smaller in the case of soft and uneven ground!
- Before driving on a slope, lower the skip and do not operate it on the slope!
- Always keep the loader unit 30 40 cm above the ground.
- ™ Always reduce your speed as you drive on slopes
 - see Drive levers on page 3-13
- **Always drive straight ahead when driving uphill or downhill. Avoid driving diagonally or at an angle.
- The machine is very narrow. Therefore, drive very carefully on slopes or on soft or uneven ground.
- Drive with extreme care on slopes in rain or if the ground is wet or slippery.

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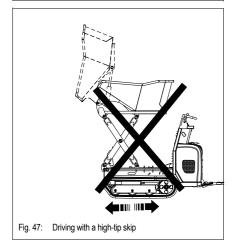




Driving on slopes with a high-tip skip



- Do not raise or dump out the skip on slopes, otherwise the machine can tip forwards.
- Unloading on slopes is not allowed.



- Driving with a raised and tilted skip is forbidden regardless of the ground the machine is driving on.
 - Raise and dump out the skip only if the machine is at a standstill.





Skip operation

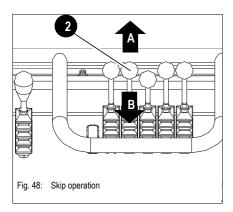


Danger!

Do not operate the skip when driving on slopes, otherwise -

Danger of accidents!

- Do not actuate the skip when driving across slopes
- Do not actuate the skip when driving up or down slopes



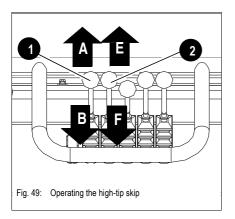
Position	Function	
• A	2 Push forwards	Skip is dumped out
• B	2 Pull backwards	Skip is dumped in



Notice!

The loader unit also moves as the skip is dumped in and out.

High-tip skip (option)





Danger!

Do not operate the skip when driving on slopes, otherwise -

Danger of accidents!

- Do not actuate the skip when driving across slopes
- Do not actuate the skip when driving up or down slopes

Position	Function	
• A	1 Push forwards	Skip is lowered
• B	1 Pull backwards	Skip is raised
• E	2 Push forwards	Skip is dumped out
• F	2 Pull backwards	Skip is dumped in



Notice!

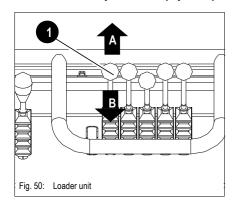
The loader unit also moves as the skip is dumped in and out.

BA DT08 SL EN – Edition 1.0 * dt08b330.fm 3-17





Loader unit operation (option)



Position	Function		
• A	1 Push forwards	Loader unit is lowered	
• B	1 Pull backwards	Loader unit is raised	



Notice!

Always keep the loader unit 30 - 40 cm above the ground when driving the machine.





Parking the machine



Danger!

Always park the machine on firm ground -

Danger of accidents

- Park the machine on level ground
- Fasten the tracks with fastening elements (e. g. chocks)
- Stop the machine
- ™ Dump in the skip
- Lower the loader unit to the ground
- Reduce engine speed completely
- Switch off ignition
- Remove the ignition key



Caution!

Never stop the engine under full load.

Fold up foothold **A** with both hands to the upright position.

Let the engine run at idling speed for at least 1 minute before switching it

Foothold

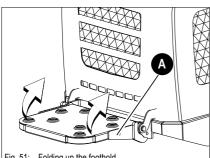
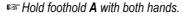
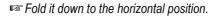


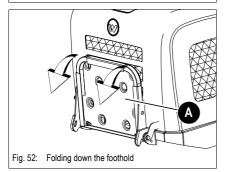
Fig. 51: Folding up the foothold

Folding down the foothold:

Folding up the foothold:







3-19 BA DT08 SL EN – Edition 1.0 * dt08b330.fm





Crane handling the machine

Safety instructions

- The crane and the lifting gear must have suitable dimensions
- Crane handling the machine requires suitable lifting gear
- Secure the machine against unintentional movement!

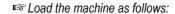


Danger!

Incorrect crane handling of the machine -

Danger of accidents!

- Ensure that no-one is near the machine!
- Have loads fastened and crane operators guided by experienced persons only! The person guiding the crane operator must be within sight or sound of him
- Ensure that the crane and the lifting gear (cables, chains) have sufficient load-bearing capacity!
- Solve the Machine with an empty loader unit and skip
- Stay clear of suspended loads!
- It is essential that you read the safety instructions at the beginning of this chapter and follow any other safety instructions relevant in your country!



- · Empty the skip and the loader unit
- · Lower the skip
- · Stop the engine
- · Remove the ignition key.
- · Use suitable lifting gear, chains etc.
- Length L1 of the lifting gear on the skip must be at least 2.0 m long
- Length L2 of the lifting gear (two cables or chains) on the control stand must be at least 2.0 m long
- · Slowly raise the machine

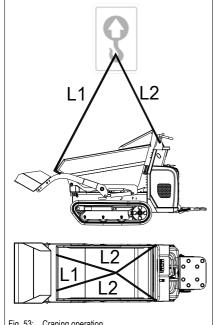


Fig. 53: Craning operation





Loading and transporting the machine

Safety instructions

- The transport vehicle must be of sufficient size. See Chapter 6 "Specifications" for the dimensions and the weight of the machine!
- Remove any mud, snow or ice from the tracks so that the machine can be safely driven onto the ramps
- Secure the machine against unintentional movement see Parking the machine on page 3-19!

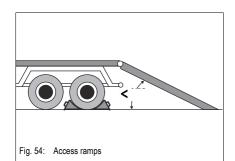


Danger!

The machine must be loaded and transported properly –

Danger of accidents!

It is essential that you read the safety instructions at the beginning of this chapter and follow any other safety instructions relevant in your country!



Load as follows:

- Secure the transport vehicle with chocks to prevent it from rolling
- Place the access ramps at the smallest possible angle. Ensure that the grade does not exceed 15° (27%). Use access ramps with an antiskid surface only.
- Ensure that the loading area is clear and access to it is not obstructed e.g. by superstructures
- Ensure that the ramps and the tracks of the dumper are free of oil, grease and ice
- Start the engine of the dumper
- Lower the skip
- Raise the loader unit enough so that it will not touch the access ramps
- Carefully drive the dumper onto the middle of the transport vehicle
- Lower the loader unit to the loading area
- Stop the engine
- Remove the ignition key (option)



Notice!

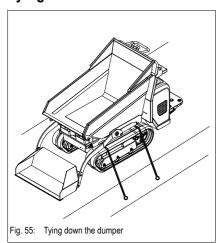
The manufacturer's warranty shall not apply to accidents or damage caused by loading or transporting the machine.

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Tying down the machine





Danger!

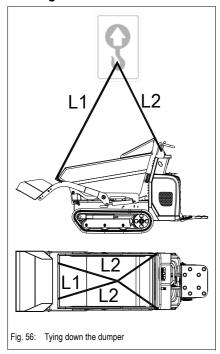
The machine must be loaded and transported properly –

Danger of accidents!

It is essential that you read the safety instructions at the beginning of this chapter and follow any other safety instructions relevant in your country!

- Ensure that the authorised maximum height is not exceeded
- Secure the tracks of the dumper on the sides.
- Lower the skip and the loader unit
- Firmly fasten the dumper onto the platform. To this end, use chains or straps to pass the cables between the tracks and the skip
- Before transporting the machine through heavy rain: Cover the exhaust pipe with a suitable cover
- Before transporting, ensure that the driver of the transport vehicle knows the overall height, width and weight of the machine (incl. the dumper) and the applicable legal regulations in the country where this type of transport is to take place!

Towing the machine





Danger!

Keep out of the danger zone of the machine -

Danger of accidents!

Ensure that no-one is dangerously close to the dumper.



Notice!

The manufacturer's warranty shall not apply to accidents or damage caused by towing the machine. No towing away other machines with the eye hook. The machine can also be salvaged with a crane.





3.4 Working with the machine

General safety instructions

- Never drive up to the edge of a pit from outside danger of cave-in!
- Do not drive under projecting earth. Stones or earth can fall onto the machine.
- When working on roofs or similar structures, check the resistance and the structure itself before starting work. The building can collapse, causing severe injury and damage to property.
- Do not place the machine directly under the workplace during demolition, otherwise demolished parts can fall onto the machine or the building can collapse, causing severe injury or damage.
- Operation of the machine by unauthorised staff is prohibited!
- The hydraulic system of the machine is still pressurised even when the engine is not running! Release the pressure in the sections of the system and hydraulic lines which are to be opened before starting setup or repair work, e.g. fitting/removing an attachment with hydraulic functions.
- Before dumping out the skip next to an excavation, secure the machine with suitable wheel chocks or other auxiliary means.
- Always watch the material as you dump out the skip: ensure that the material is dumped out evenly and does not remain stuck in the skip, otherwise the machine could tip over.
- · Do not dump the load when working on sloping ground.
- · No transporting of persons, animals etc. in the skip.
- When transporting material, actuating the skip and/or the loader unit (option) is not allowed!
- Always carry out precise and smooth control movements, do not carry out abrupt movements.
- · Do not get off the machine when it is moving.
- Avoid dangerous work conditions on the work site, do not work in severe weather and ensure that no-one is at risk.
- · Transporting persons is prohibited.

Working with the loader unit

The following section describes work operations with the machine equipped with the loader unit. The loader unit is mainly used for earth-moving applications, and for loosening, picking up and loading loose material.

Transporting with a full bucket



Caution!

No transport of material: the loader unit is designed for loading loose material only.

■ Loading loose material is described below

Only load material with the skip dumped in

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Loading loose material



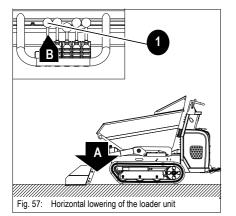
Caution!

Do not carry out any steering movements once the bucket has penetrated the material.

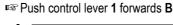
Lower the loader unit only when the machine is at a standstill and if there is enough room to the front.

The loader unit is not designed for loading compacted material (hard to penetrate), severe loader unit damage can occur.

Only load loose material



Lower the loader unit to the ground A





Caution!

Do not carry out any steering movements once the bucket has penetrated the material



Caution!

Load the machine only on firm and level ground!

■ Drive forwards into the material A

If the engine speed decreases due to too much material:

Raise the loader unit a little

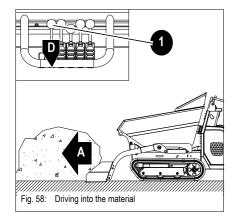
Pull control lever 1 backwards D



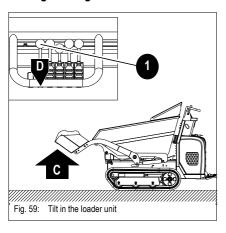
Notice!

If the loader unit cannot be raised in the material

· Reduce the load on the loader unit by reversing



Ending loading

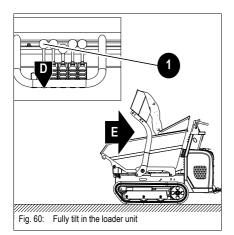


Set the loader unit to position C

Pull control lever 1 backwards D







Tilt in the loader unit fully E

Pull control lever 1 backwards D



Notice!

Carry out slow movements of the loader unit. This distributes the material evenly in the skip.

Transporting with a full skip



Danger!

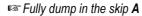
Careful when driving in rough terrain with a full skip -

Danger of accidents!

Pay particular attention to this when cornering or driving on slopes. In order to avoid accidents:

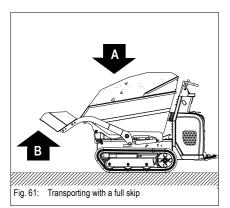
™ Fully dump in the skip

□ Observe the maximum angle when driving on slopes



■ Lower the loader unit (option) to transport position B

™ Always reverse up a slope at low speed with a full skip



3-25 BA DT08 SL EN – Edition 1.0 * dt08b340.fm





Dumping out the skip

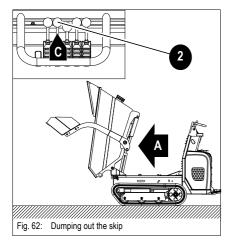


Danger!

Dumping out the skip alongside a pit is dangerous -

Danger of accidents!

- Ensure sufficient stability
- Do not drive too closely to the pit
 - · Secure the machine with chocks if necessary
- Slowly dump out the skip
- Railways watch the material as you dump out the skip: ensure that the material is dumped out evenly and does not remain stuck in the skip, otherwise the machine could tip over



I Dump out the skip A

Push control lever 2 forwards C

The loader unit is raised



Caution!

As you dump out the skip, ensure that the loader unit does not touch the ground or the material transported in the skip, otherwise the loader unit can be damaged.

Always select the optimal position for the loader unit





Dumping out the skip upwards (option)

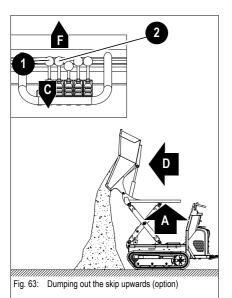


Danger!

Careful when handling the high-tip skip -

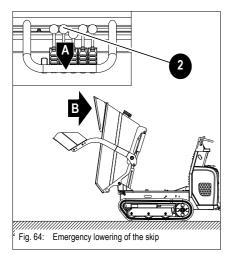
Danger of accidents!

- Do not raise or dump out the skip when driving
- Do not raise or dump out the skip on slopes or in an inclined position



- Place the machine on level and horizontal ground
- Dump out skip A upwards
 - Pull control lever 1 backwards C
 - ➡ Skip is raised
- ™ Dump out skip **D**
 - Push control lever 2 forwards F
 - Skip dumps out

Emergency lowering of the skip



V

Danger!

Emergency lowering of the skip -

Danger of crushing and injury!

Stay clear of the skip

Emergency lowering of the skip is only possible with the help of two persons.

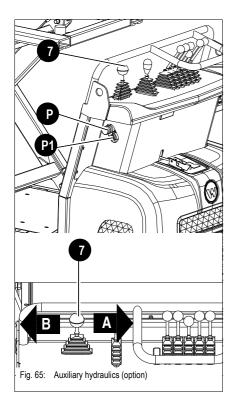
- Pull lever 2 backwards A during emergency lowering and keep it in this position
- · Once the skip is fully dumped out
 - Push the skip downwards by hand beyond pivot point **B** and at the same time, pull lever **2** backwards **A**
 - The skip is lowered by its own weight once it is beyond the pivot point.

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Auxiliary hydraulics (option)



The auxiliary hydraulics has a throughput of 20 l/min at 150 bar.

- Stop the engine
- Check whether the switch for auxiliary hydraulics 7 is in the centre position
 - The auxiliary hydraulics is switched off
- Connect the quick couplers of the equipment to the corresponding ports **P** and **P1** of the auxiliary hydraulics of the machine.
- Switch on the auxiliary hydraulics and move lever **7** to position **A** or **B** depending on the line used as pressure line.
- Regulate the dumper's throttle so as to adapt the output to the equipment connected

Position	Function		
• A	7 Push to the right	Uppoer auxiliary hydraulics port P	
• B	7 Push to the left	Lower auxiliary hydraulics port P1	



Caution!

Switch on the auxiliary hydraulics only if an equipment is connected by means of the quickcouplers. Switching on the auxiliary hydraulics with no work equipment connected can be the cause of starting failure (no start) or output loss of the dumper, or of oil overheating in the hydraulic system





4 Troubleshooting

The information given in this chapter is provided for maintenance staff, for fast and reliable detection of malfunctions and their appropriate repair.

Repairs must be carried out by authorised staff.

4.1 Engine trouble

Problem	Possible causes	See
	Wrong SAE grade of engine lubrication oil	5-24
	Fuel grade does not comply with specifications	5-24
	Defective or flat battery	5-21
	Loose or oxidised cable connections in starter circuit	
Engine does not start or is not easy to start	Defective starter, or pinion does not engage	
	Wrong valve clearance	
	Defective fuel injector	
	Defective fuse	
	Check the spark plug	5-7
	Fuel grade does not comply with specifications	5-24
Continue stanta had been seek as a seek at the seek at	Wrong valve clearance	
Engine starts, but does not run smoothly or faultless	Injection line leaks	
	Defective fuel injector	
	Oil level too low	5-8
Facility and the state	Oil level too high	5-8
Engine overheats	Dirty air filter	5-10
	Defective fuel injector	
	Oil level too high	5-8
	Fuel grade does not comply with specifications	5-24
	Dirty air filter	5-10
	Wrong valve clearance	
Insufficient engine output	Injection line leaks	
	Defective fuel injector	
	Dirty carburettor (DT08-P only)	
	Defective ignition (DT08-P only)	
	Defective spark plugs (DT08-P only)	
	Oil level too low	5-8
Insufficient or no engine oil pressure	Too much machine inclination (max. 15°)	
	Wrong SAE grade of engine lubrication oil	5-24
Engine all agreemention to a bint	Oil level too high	5-8
Engine oil consumption too high	Too much machine inclination (max. 15°)	

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Problem		Possible causes	See
	Blue	Oil level too high	5-8
		Too much machine inclination (max. 15°)	
		Engine starting temperature too low	
	White	Fuel grade does not comply with specifications	5-24
Engine smoke		Wrong valve clearance	
		Defective fuel injector	
		Dirty air filter	5-10
	Black	Wrong valve clearance	
		Defective fuel injector	





5 Maintenance

5.1 Introduction

Operational readiness and the service life of machines are heavily dependent on maintenance.

It is therefore in the interest of the machine owner to carry out the prescribed maintenance work.

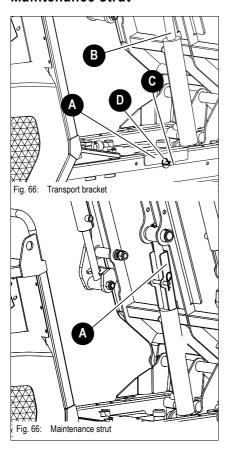
Before carrying out service and maintenance work, always read, understand and follow the instructions given in:

- · Chapter 2 "Safety instructions" of this Operator's Manual and
- · The Operator's Manuals of the attachments.

Daily service and maintenance work, and maintenance according to maintenance plan "A" must be carried out by a specifically trained driver. All other maintenance work must be carried out by trained and qualified staff only.

The maintenance plans indicate when the maintenance work mentioned below must be carried out.

Maintenance strut





Danger!

Careful when carrying out maintenance work on or under the skip, and in general when carrying out maintenance work with the dumper body dumped out –

Danger of accidents!

■ Use the maintenance strut

Mount the maintenance strut as follows:

™ Take maintenance strut **A** out of its bracket

The maintenance strut is fastened with lock pin C and pin D

Fit maintenance strut A onto tilt ram B

Secure maintenance strut A with lock pin C and pin D

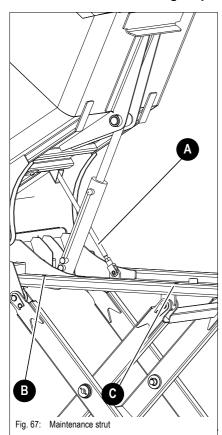
During transport fit maintenance strut **A** as shown in *Fig.* 66 – transport bracket.

BA DT08 SL EN – Edition 1.0 * dt08b510.fm 5-1





Maintenance strut for high-tip skip





Danger!

Careful when carrying out maintenance work on or under the skip, and in general when carrying out maintenance work with the dumper body dumped out –

Danger of accidents!

■ Use the maintenance strut

Mount the maintenance strut as follows:

- ™ Raise the skip
- **™** Dump out the skip
- Raise safety rod A
 - The skip is blocked in the raised position
- Remove the safety pin and the stud from opening **B** and insert them in opening **C**
 - The skip is blocked in the raised position



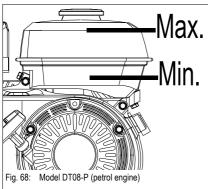


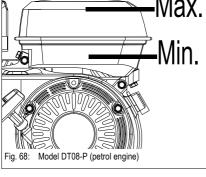
5.2 Fuel system

Specific safety instructions

- · Caution when handling fuel increased danger of fire!
- Never carry out work on the fuel system in the vicinity of naked flames or sparks!
- · Do not smoke when working on the fuel system or when refuelling!
- Before refuelling, stop the engine and remove the ignition key!
- Do not refuel in closed rooms!
- Wipe away fuel spills immediately!
- · Keep the machine clean to reduce the risk of fire!

Checking the fuel level





Model DT08-P (petrol engine)

Check the fuel level as follows:

The fuel level must be between the min. und max. levels

If the fuel level is below min.

r Refuel



Notice!

The machine has no filling level indicator, therefore always check the fuel level before putting the machine into operation.

Model DT08-D (diesel engine):

Check the fuel level as follows:

S Check the fuel level on sight glass A

The fuel level must be between the min. und max. levels

If the fuel level is below min.

r Refuel



Notice!

The machine has no filling level indicator, therefore always check the fuel level before putting the machine into operation.

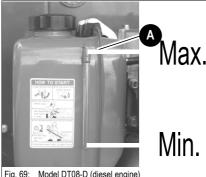


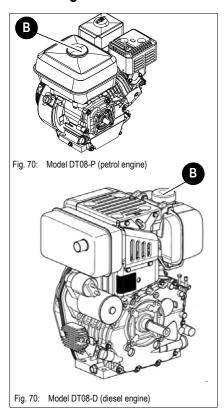
Fig. 69: Model DT08-D (diesel engine)

5-3 BA DT08 SL EN - Edition 1.0 * dt08b510.fm





Refuelling



Filler inlet **B** of the fuel tank is located on the top side of the engine.



Danger!

All work involving fuel carries an increased

Danger of fire and poisoning!

- □ Do not refuel in closed rooms
- Never carry out work on the fuel system in the vicinity of naked flames or sparks



Notice!

Ensure that you refuel with the correct fuel. It is indicated on the label beside the filler inlet.



Environment!

Use a suitable container to collect the fuel as it drains and dispose of it in an environmentally friendly manner!

Stationary fuel pumps

General

Only refuel from stationary fuel pumps. Fuel from barrels or cans is usually dirty. Even the smallest particles of dirt can cause

- · Increased engine wear
- · Malfunctions in the fuel system and
- · Reduced effectiveness of the fuel filters

Refuelling from barrels

If refuelling from barrels cannot be avoided, note the following points (see fig. 71):

- · Barrels must neither be rolled nor tilted before refuelling
- · Protect the suction pipe opening of the barrel pump with a fine-mesh screen
- Immerse it down to a max. 15 cm above the floor of the barrel
- · Only fill the tank using refuelling aids (funnels or filler pipes) with integral microfilter
- Keep all refuelling containers clean at all times

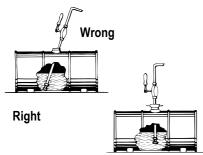


Fig. 71: Refuelling from a barrel





Petrol specification

Use only high-grade fuels

Grade	Octane number	Use
Regular DIN 51607	91	-15 °C to 45 °C

For model DT08-P (petrol engine)

Diesel fuel specification

Use only high-grade fuels

Grade		Cetane number	Use
•	No. 2-D according to DIN 51 601	Min. 45	4 °C to 45 °C
•	No. 1-D according to DIN 51601		For outside temperatures below 4 °C or for operation above 1500 m altitude

For model DT08-D (diesel engine)

Cleaning the fuel filter (petrol engine)

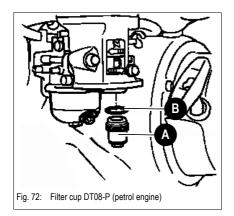


Danger!

Petrol is extremely flammable, and explosive under certain circumstances.

Danger of accidents!

- No smoking in the work area, no naked flames or sparks.
- Once the filter cup is back in position, check for leaks and ensure that all petrol spills have been wiped away before starting the engine.
- Set the fuel cock to OFF
- □ Unscrew filter cup **A** with a suitable tool
- Remove filter cup **A** and O-ring **B**, and wash with a nonflammable solvent.
- Allow filter cup A to dry thoroughly
- Screw filter cup A back on again with a suitable tool
- Set the fuel cock to ON and check for leaks

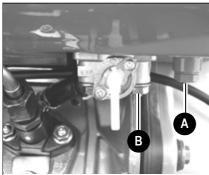


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Cleaning the fuel filter of the diesel engine





- □ Open drain plug **A** with a suitable tool
 - The fuel drains
- Close drain plug A again after the fuel has drained completely
- □ Open screw **B** on the fuel cock
- $^{\text{\tiny{ISS}}}$ Pull filter \boldsymbol{C} out of the filler inlet of the fuel tank
- ₩ Wash filter **C** with a nonflammable solvent.
- Allow filter **C** to dry thoroughly
- Insert filter **C** back into the filler inlet of the fuel tank
- ™ Close screw **B** on the fuel cock



Environment!

Dispose of the drained fuel in an environmentally friendly manner.





Spark plug (petrol engine)



Danger!

The engine is very hot after it has been in service.

Danger of burns!

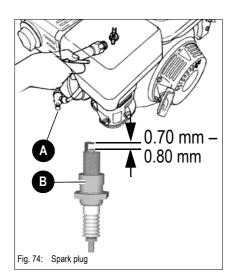
Allow the engine to cool down



Caution!

If the spark plug is not tightened correctly, it can become very hot and cause engine damage.

- Always tighten the spark plug firmly
- Never use a spark plug with the wrong heat range



The spark plug must be set correctly and be free of deposits to ensure that the engine runs correctly.

Remove spark plug B as follows:

- Stop the engine
- Remove spark plug connector A
- Remove spark plug **B** with a suitable spark plug key
- ™ Check spark plug **B** as follows:
 - Check the outside of spark plug B
 - ⇒ Dispose of spark plug **B** if it is worn, or if the insulator is torn or cracked.
 - Measure the electrode gap with a suitable tool
 - → The gap must be between 0.70 and 0.80 mm
 - Check the sealing ring for wear
- r Clean spark plug **B** with a suitable tool (e.g. wire brush etc.) if it can be used again

Mount spark plug **B** as follows:

- Screw in spark plug **B** by hand to avoid damage to the thread
- ™ Tighten spark plug **B** with a suitable spark plug key.
 - Tighten a new spark plug ${\bf B}$ by ${}^1\!\!/_2$ a revolution after it makes contact, in order to compress the sealing ring
- Tighten a spark plug **B** that is already used by 1/8 1/4 of a revolution after it makes contact, in order to compress the sealing ring
- Fit spark plug connector A back on again

The following spark plugs have been released:

Manufacturer's description	Manufacturer
• BPR6ES	NGK
• W20EPR-U	DENSO

BA DT08 SL EN – Edition 1.0 * dt08b510.fm 5-7





5.3 Engine lubrication system



Caution!

If the engine oil level is too low or if an oil change is overdue, this can cause

Loss of output and engine damage!

Have the oil changed by an authorised workshop

- see chapter 5.11 Maintenance plan DT08-D (diesel engine) on page 5-27
- see chapter 5.10 Maintenance plan DT08-P (petrol engine) on page 5-25

Checking the oil level

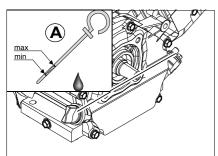
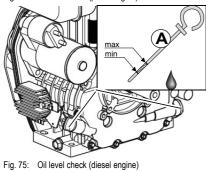


Fig. 75: Oil level check (petrol engine)



The oil level can be checked from either side.



Notice!

Check the oil level once a day.

We recommend checking it before starting the engine. After stopping a warm engine, wait at least 5 minutes before checking.

Checking the oil level

Proceed as follows:

- · Park the machine on level ground
- → Max. inclination about 5°
- · Stop the engine!
- Oil dipstick A:
- Pull it out
- Wipe it with a lint-free cloth
- Push it back in as far as possible
- Withdraw it and read off the oil level
- However if necessary, fill up oil at the latest when the oil reaches the MIN mark on the oil dipstick **A**





Filling up engine oil

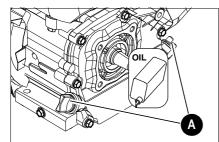


Fig. 76: Filling up engine oil (petrol engine)

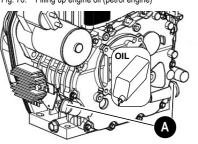


Fig. 76: Filling up engine oil (diesel engine)



Caution!

Too much or incorrect engine oil can result in engine damage! Therefore:

- Do not add engine oil above the MAX mark of the oil dipstick 76/A
- Use only the specified engine oil



Environment!

Use a suitable container to collect the engine oil as it drains and dispose of it in an environmentally friendly manner!

Proceed as follows:

- Clean the area around filler cap A with a clean lint-free cloth
- ™ Open filler cap A
- Fill in engine oil
- wait a moment until all the oil has run into the oil sump
- Check the oil level
- Fill up if necessary and check the oil level again
- Close filler cap A
- **™** Completely remove all oil spills

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5.4 Air filter

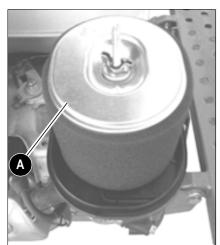


Fig. 77: Air filter (petrol engine)

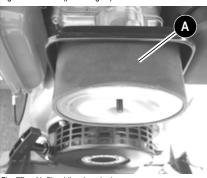


Fig. 77: Air filter (diesel engine)



Caution!

The filter element will be damaged if it is washed or brushed out! Bear in mind the following to avoid premature engine wear!

- Never let the engine run without the air filter installed
- Replace the filter cartridge according to the maintenance plan
- Never reuse a damaged filter cartridge
- Ensure cleanliness when replacing the filter cartridge!

Replace filter cartridge **A** according to the maintenance plan.



Caution!

Filter cartridges degrade prematurely when in service in acidic air for longer periods of time. This risk is present for example in acid production facilities, steel and aluminium mills, chemical plants and other nonferrous-metal plants

Replace filter cartridge **A** after 50 service hours at the latest!





Replacing the filter (petrol engine)

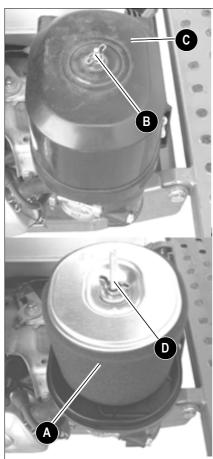


Fig. 79: Cleaning/replacing the DT08-P filter (petrol engine)

Replace filter cartridge A as follows:

- Stop the engine
- Unscrew wing nut **B** off cover **C**
- Remove cover **C**
- □ Unscrew wing nut **D** off filter cartridge **A**
- Insert the new filter cartridge **A**
- Tighten wing nut **D** on filter cartridge **A**
- Ensure that all dirt (dust) inside the cover C has been removed
- Position cover **C** (ensure that it is properly seated)
- Tighten wing nut **B** again on cover **C**



Environment!

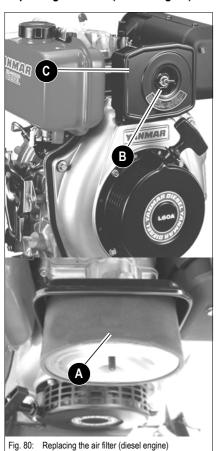
Dispose of filter cartridge **A** in an environmentally friendly manner.

5-11 BA DT08 SL EN – Edition 1.0 * dt08b520.fm





Replacing the filter (diesel engine)



Replace filter cartridge A as follows:

- Stop the engine
- Unscrew wing nut **B** off cover **C**
- Remove cover C
- Remove filter cartridge A
- Insert the new filter cartridge A
- Ensure that all dirt (dust) inside the cover C has been removed
- Position cover **C** (ensure that it is properly seated)
- ™ Tighten wing nut **B** again on cover **C**



Environment!

Dispose of filter cartridge A in an environmentally friendly manner.



Notice!

The filter cartridge of the diesel engine cannot be cleaned. Replace it if it is defective or according to the maintenance interval.





5.5 Hydraulic system

Specific safety instructions



- Release the pressure in all lines carrying hydraulic oil prior to any maintenance and repair work. To do this:
 - · Lower all hydraulically controlled attachments to the ground
 - · Move all control levers of the hydraulic control valves several times
- Hydraulic oil escaping under high pressure can penetrate the skin and cause serious injuries. Always consult a doctor immediately even if the wound seems insignificant – otherwise serious infections could set in!
- If the hydraulic oil in the sight glass is cloudy, this indicates that water or air has penetrated the hydraulic system. This can cause damage to the hydraulic system!
 - Contact your Wacker Neuson dealer immediately
- Oil or fuel flowing out of high pressure lines can cause fire or malfunctions, and severe injuries or damage to property. Interrupt work immediately if slack nuts or damaged hoses and lines are detected.
 - Contact your Wacker Neuson dealer immediately
- · Replace a line if one of the following problems is detected:
 - Damaged or leaky hydraulic seals.
 - Worn or torn shell, or bare reinforcement
 - Expanded shells in several positions.
 - Entangled or crushed movable parts.
 - Foreign bodies jammed or stuck in protective layers.



Caution!

Dirty hydraulic oil, lack of oil or wrong hydraulic oil -

Danger of severe damage to the hydraulic system!

- Take care to avoid dirt when working!
- Always fill in hydraulic oil using the filling screen!
- Only use authorised oils of the same type
 - see chapter 5.9 Fluids and lubricants on page 5-24
- **Always fill up hydraulic oil before the level gets too low see Filling up hydraulic oil on page 5-14
- If the hydraulic system is filled with biodegradable oil, then use only biodegradable oil of the same type for filling up observe the sticker on the hydraulic oil tank!
- Contact customer service if the hydraulic system filter is contaminated with metal chippings. Otherwise, follow-on damage can result!



Environment!

Collect drained hydraulic oil and biodegradable oil in a suitable container!

Dispose of drained oil and used filters by an ecologically safe method.

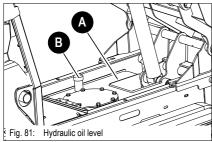
Always contact the relevant authorities or commercial establishments in charge of oil disposal before disposing of biodegradable oil.

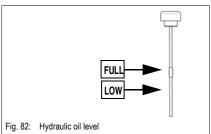
5-13 BA DT08 SL EN – Edition 1.0 * dt08b520.fm





Checking the hydraulic oil level





Proceed as follows:

- Park the machine on level ground
- Raise the skip and lock it in the safety position See Maintenance strut on page 5-1.
- Stop the engine
- The dipstick is integrated in filler cap **B** of hydraulic oil tank **A**
- Check whether the oil level is between MIN and MAX
 - Fill up hydraulic oil if the oil level is too low

Filling up hydraulic oil

Refill hydraulic oil only with the engine stopped otherwise hydraulic oil will overflow at the filler opening on the hydraulic oil tank.

Fill up as follows:

- Park the machine on level ground
- Raise the skip and lock it in the safety position See Maintenance strut on page 5-1.
- Stop the engine
- I Unscrew filler cap **B**
- use an oil funnel with microfilter to fill in oil

With the filter insert in place:

- Fill up hydraulic oil
- Check the hydraulic oil level with the dipstick integrated in filler cap B
- Fill up if necessary and check again
- r Firmly tighten filler cap **B** by hand.





Important information for the use of biodegradable oil

- Use only the biodegradable hydraulic fluids which have been tested and approved by Wacker Neuson GmbH. Always contact Wacker Neuson GmbH for the use of other products which have not been recommended. In addition, ask the oil supplier for a written declaration of guarantee. This guarantee is applicable to damage occurring on the hydraulic components, which can be proved to be due to the hydraulic fluid
- Use only biodegradable oil of the same type for filling up. In order to avoid misunder-standings, a label providing clear information is located on the hydraulic oil tank (next to the filler inlet) regarding the type of oil currently used!
 The joint use of two different biodegradable oils can affect the quality of one of the oil types. Therefore, ensure that the remaining amount of initial hydraulic fluid in the hydraulic system does not exceed 8 % when changing biodegradable oil (manufacturer indications)
- Do not fill up with mineral oil the content of mineral oil should not exceed 2 % in order to avoid foaming problems and to ensure biological degradability
- When running the machine with biodegradable oil, the same oil and filter replacement intervals are valid as for mineral oil
 - see Maintenance plan DT08-P (petrol engine) on page 5-25
 - see Maintenance plan DT08-D (diesel engine) on page 5-27
- Always have the condensation water in the hydraulic oil tank drained by an authorised workshop before the cold season. The water content may not exceed 0.1 % by weight
- The instructions in this Operator's Manual concerning environmental protection are also valid for the use of biodegradable oil
- If additional hydraulic attachments are mounted or operated, use the same type of biodegradable oil for these attachments to avoid mixtures in the hydraulic system

Subsequent change from mineral oil to biodegradable oil must be carried out by an authorised workshop or by your Wacker Neuson partner

BA DT08 SL EN – Edition 1.0 * dt08b520.fm 5-15





Checking hydraulic pressure lines

Specific safety instructions



Danger!

Caution when checking hydraulic lines, especially when searching for leaks. Hydraulic oil escaping under high pressure can penetrate the skin and cause serious injuries.

Danger of personal injury!

Always consult a doctor immediately, even if the wound seems insignificant – otherwise serious infections could set in!

Always observe the following instructions:

- Retighten leaking screwed fittings and hose connections only when the system is not under pressure; i.e. release the pressure before working on pressurised lines!
- Never weld or solder damaged or leaking pressure lines and screw connections. Replace damaged parts with new ones!
- Never search for leaks with your bare hands, but wear protective gloves!
- Use paper or wood to check for minor leaks. Never use an unprotected light or naked flame!
- · Have damaged flexible lines replaced by workshops only!
- Leaks and damaged pressure lines must be immediately repaired or replaced by an authorised workshop or after-sales staff.
 This not only increases the operating safety of your machine but also helps to protect the environment
- Replace hydraulic hoses every 6 years from the date of manufacture, even if they do not seem to be damaged

In this respect, we recommend that you observe all the relevant safety regulations for hydraulic lines, as well as the safety regulations regarding accident prevention and occupational health and safety in your country. Also observe DIN 20 066, part 5.

The date of manufacture (month or quarter and year) is indicated on the flexible line. Example:

The indication "1 Q/07" means manufactured in the 1st quarter of 2007.







5.6 Tracks



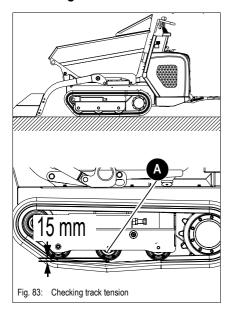
Danger!

Careful when working with tracks -

Danger of accidents!

- Use suitable means to support and secure the machine
- In addition, ensure that the machine cannot overturn

Checking track tension



Check track tension as follows:

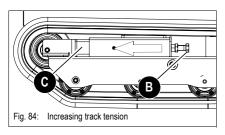
- Park the dumper on firm and level ground
- Raise the dumper with suitable means
- Tracks must be raised off the ground
- Stop the engine
- Use additional supports for the dumper and ensure that it cannot overturn
- Measure the clearance at the middle track roller A
 - The rubber track should not sag more than 15 mm when tight



Notice!

If possible, the distance from the rollers should be the same for both tracks.

Increasing track tension



Proceed as follows:

- Park the dumper on firm and level ground
- Raise the dumper with suitable means
- ™ Tracks should be raised off the ground
- Stop the engine
- Use additional supports for the dumper and ensure that it cannot overturn
- Screw in set screw **B** with a suitable tool
 - ⇒ Ram C is extended
 - The track is tightened
- Check track tension
 - Repeat the procedure if the tracks are not tight enough



Notice!

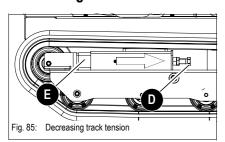
Check track tension once a day since excessive or insufficient track tension can damage the tracks and the components of the undercarriage.

BA DT08 SL EN – Edition 1.0 * dt08b530.fm 5-17





Decreasing track tension



- Park the dumper on firm and level ground
- Raise the dumper with suitable means
- Tracks should be raised off the ground
- Stop the engine
- Use additional supports for the dumper and ensure that it cannot overturn
- □ Unscrew set screw **D** with a suitable tool
 - ➡ The fork **E** is retracted
 - The track is slackened
- Check track tension
 - Repeat the procedure if track tension is too low or too high

5-18





5.7 Electrical system

Specific safety instructions



• The battery contains sulphuric acid! This acid must not be allowed to come into contact with the skin, the eyes, clothing or the machine

Therefore when recharging or working near the battery:

Always wear goggles and protective clothing with long sleeves

If acid is spilt:

- Thoroughly rinse all affected surfaces immediately with plenty of water
- Thoroughly wash any part of the body touched by the acid immediately with plenty of water and seek medical attention at once!
- Especially when charging batteries, as well as during normal operation of batteries, an oxyhydrogen mixture is formed in the battery cells – danger of explosion!
- In case of a frozen battery or of an insufficient electrolyte level, do not try start-up with a starting aid. The battery can burst or explode!
 - Replace the battery immediately
- There must be no naked flame near open battery cells. Avoid sparks. No smoking. The gas that forms during normal battery operation can ignite!
- Use only 12 V power sources. Higher voltages will damage the electric components
- When connecting the battery leads, ensure that the poles +/– are not inverted, otherwise sensitive electric components will be damaged
- Do not interrupt voltage-carrying circuits at the battery terminals because of the danger of sparking!
- Never place tools or other conductive articles on the battery danger of short circuit!
- Disconnect the negative (-) battery terminal from the battery before starting repair work on the electrical system
- First remove the (–) terminal and then the (+) terminal as you disconnect the electrical system
- Dispose of used batteries properly

Service and maintenance work at regular intervals



Every week

™ Check once a week:

- · Electric fuses
- · Cable and earth connections
- Battery charge condition see Battery on page 5-21
- · Condition of battery terminals

BA DT08 SL EN – Edition 1.0 * dt08b530.fm 5-19





Instructions concerning specific components

Electric lines and fuses

Always observe the following instructions:

- Defective components of the electrical system must always be replaced by an authorised expert. Fuses may be changed by unqualified persons
- When carrying out maintenance work on the electrical system, pay particular attention to ensuring good contact in leads

Alternator

Always observe the following instructions:

- · Only test run the engine with the battery connected
- When connecting the battery, ensure that the poles (+/-) are not inverted
- Always disconnect the battery before carrying out welding work or connecting a quick battery charger



Notice!

Operation of electric consumers (e.g. lighting equipment) is not allowed. This is why the machine has no socket.



Battery



Danger!

Battery acid is highly caustic!

Danger of burns!

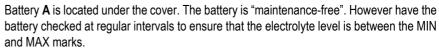
Therefore when recharging and/or working near the battery:

- Racid is spilt:
- Thoroughly rinse all affected surfaces immediately with plenty of water
- Thoroughly wash any part of the body touched by the acid immediately with plenty of water and seek medical attention at once!

Especially when charging batteries, as well as during normal operation of batteries, an oxyhydrogen mixture is formed in the battery cells –

Danger of explosion!

- Avoid naked lights and sparks in the vicinity of the battery and do not smoke!
- Do not attempt to jump-start the machine if the battery is frozen or if the acid level is low. The battery can rupture or explode!
 - · Replace the battery immediately
- Always disconnect the negative terminal (–) from the battery before starting repair work on the electrical system!



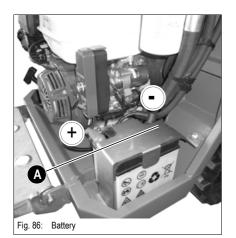
Checking the battery requires it to be removed and must be carried out by an authorised workshop.

Always follow the specific battery safety instructions!



Notice!

Do not disconnect the battery while the engine is running!



C

Fig. 87: Battery

Disconnecting the battery in an emergency

• Firmly pull cable **C** to disconnect the battery in an emergency.



Notice!

Firmly pull cable **C** in an emergency only since this damages the electric line and possibly the starter.

BA DT08 SL EN – Edition 1.0 * dt08b530.fm 5-21





5.8 General maintenance work

Cleaning

Cleaning the machine is divided into 3 separate areas:

- · Exterior of the machine
- · Engine compartment

The wrong choice of cleaning equipment and agents can impair the operating safety of the machine on the one hand, and on the other undermine the health of the persons in charge of cleaning the machine. It is therefore essential to observe the following instructions.

General instructions for all areas of the machine

Cleaning with washing solvents

- · Ensure adequate room ventilation
- · Wear suitable protective clothing
- · Do not use flammable liquids, such as petrol or diesel

Cleaning with compressed air

- · Work carefully
- · Wear goggles and protective clothing
- · Do not aim the compressed air at the skin or at other people
- · Do not use compressed air for cleaning your clothing

Cleaning with a high-pressure cleaner or steam jet

- Electric components and damping material must be covered and not directly exposed to the jet
- Cover the vent filter on the hydraulic oil tank and the filler caps for fuel, hydraulic oil etc.
- · Protect the following components from moisture:
 - · Engine
 - · Electrical components such as the alternator etc.
 - · Control devices and seals
 - · Air intake filters etc.

Cleaning with volatile and easily flammable anticorrosion agents and sprays:

- · Ensure adequate room ventilation
- · Do not use unprotected lights or naked flames
- · Do not smoke!





Exterior of the machine



Caution!

Cleaning the machine can cause engine damage.

Protect the engine against humidity

The following articles are generally suitable:

- High-pressure cleaner
- · Steam jet

Engine compartment



Danger!

Clean the engine at engine standstill only -

Danger of personal injury!

Stop the engine before cleaning



Caution!

When cleaning the engine with a water or steam jet

The engine must be cold

and do not point the jet directly at electric sensors such as the oil pressure switch.

The humidity penetrating any such sensors causes them to fail and leads to engine damage!

Screw connections and attachments



All screw connections must be checked regularly for tightness, even if they are not listed in the maintenance schedules.

- Engine fastening screws
- Fastening screws on the hydraulic system
- Line and pin fastenings on the attachment

Tighten loose connections immediately. Contact an authorised workshop if necessary.

Pivots and hinges



Lubricate all mechanical pivots on the machine (such as joints) and fittings at regular intervals even if they are not listed in the lubrication plan.

5-23 BA DT08 SL EN – Edition 1.0 * dt08b530.fm





5.9 Fluids and lubricants

Component/application	Engine/machine fluid	Specification	Season/tempera- ture	Capacities ¹
Petrol engine (model DT08-P) Honda petrol engine	Engine oil	AGIP MOTOROIL HD SAE 15W-40	Year-round	1.11
Diesel engine (model DT08-D) Yanmar diesel engine	Engine oil	AGIP DIESEL SIGMA S 30 SAE ² 15W-40	Year-round	0.61
	Hydraulic oil	AGIP ARNICA 46 ³		
Hydraulic oil tank (model DT08-P)	Biodegradable oil ⁴	PANOLIN HLP Synth 46	Year-round	22.3
(blodegradable oil	FINA BIOHYDRAN SE 46		
	Hydraulic oil	AGIP ARNICA 46 ⁵		
Hydraulic oil tank (model DT08-D)	Biodegradable oil ⁶	PANOLIN HLP Synth 46	Year-round	30.11
(Blodegradable oil	FINA BIOHYDRAN SE 46		
Grease	Roller and friction bearings ⁷	AGIP GR SM	Year-round	As required
Lubrication point	Multipurpose grease	AGIP GR SM	Year-round	As required
Fuel tank (model DT08-P) Honda petrol engine	Petrol	Regular ⁸ 91 octane, DIN 51 607	Year-round	6.01
Fuel tank	5	No. 2-D, DIN 51601 grade	Over 4 °C	- 41
(model DT08-D) Yanmar diesel engine	Diesel fuel	No. 1-D, DIN 51601 grade	Below 4 °C	5.4 l

- The capacities indicated are approximate values; the oil level check alone is relevant for the correct oil level

- Capacities indicated are approximate values, the onlevel orient alone is relevant for the contest on total Capacities and Capacities and Capacities indicated are no system fills

 According to DIN 51511

 According to DIN 51524 section 3

 Biodegradable hydraulic oil based on saturated synthetic esters with an iodine value of < 10, according to DIN 51524, section 3, HVLP, HEES
- According to DIN 51524 section 3
- Biodegradable hydraulic oil based on saturated synthetic esters with an iodine value of < 10, according to DIN 51524, section 3, HVLP, HEES
- KF2K-25 according to DIN 51502 multipurpose lithium grease with MoS² additive
- Unleaded regular

5-24 BA DT08 SL EN – Edition 1.0 * * dt08b530.fm



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5.10 Maintenance plan DT08-P (petrol engine)	Maintenance plan/service hours (s/h)	an/service	hours (s/h				
escription	Sen	Eve	Ever	3		Cu	
For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.	ry 20 s/h vice work (daily)	ry 50 s/h	y 100 s/h	00 s/h	y 1000 s/h ce a year	stomer	thorised orkshop
Fluid and filter changes (🥏):	_						
Carry out the following oil and filter changes (check oil levels after test run):							
• Engine oil ¹	•		•				•
• Fuel filter ²		•	•				•
Hydraulic oil filter insert		•			•		•
Hydraulic oil				•			•
Replace the air filter element			•			•	
Hydraulic oil tank breather					•		•
Replace the spark plug				•		•	
Inspection work (◆):							
Check the following material. Refill if necessary:							
Check the fuel level, fill up fuel	•					•	
• Engine oil	•					•	
Hydraulic oil	•					•	
Clean the filter cup			•			•	
Check hydraulic oil radiator for dirt, clean if necessary	•					•	
Check oil cooling systems and hoses for leaks and pressure (visual check)	•					•	
Air filter (damage)	•					•	
Check exhaust system for damage and condition	•					•	
Check valve clearance, adjust if necessary				•			•
Check and clean the spark plug			•			•	
Check/set idling speed				•			•
Empty the petrol tank				•			•
Check battery electrolyte. Fill up with distilled water if necessary		•		•			•
Check alternator, starter and electric connections, bearing play and function				•			•
Pressure check of primary pressure limiting valves		•		•			•
	ì		Ī				

BA DT08 SL EN – Edition 1.0 ** dt08b540.fm 5-25





5 10 Maintenance plan DT08-P (petrol engine)	Maintenance plan/service hours (s/h)	1/service !	ours (s/h				
Work description	Servi	Ever	Every	30	_	Cus	
For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.	y 20 s/h ce work	y 50 s/h	100 s/h	0 s/h	1000 s/h a year	tomer	orised kshop
Check tracks for cracks and cuts	•					•	
Check track tension. Retighten if necessary	•					•	
Bearing play of tread rollers, track carrier rollers, front idlers				•			•
Check piston rods for damage	•					•	
Check screws for tightness		•		•			•
Pin lock	•					•	
Line fixtures	•					•	
Adhesive labels and Operator's Manual		•		•			•
Lubrication service ():							
Lubricate the following assemblies/components – see Lubrication plan DT08 with skip on page 5-29:							
• Skip	•					•	
• Tilt ram	•					•	
Loader unit (option)	•					•	
Loader unit rams (option)	•					•	
Track tension	•					•	
Track roller bearings	•					•	
Leakage check (♣️):							
Check for tightness, leaks and chafing: pipes, flexible lines and screw connections of the following assemblies and components. Rectify if necessary:	and components.	Rectify if r	ecessary				
Visual check	•					•	
r⊛ Engine and hydraulic system	•					•	
rs Oil cooling circuit	•					•	
r⊛ Travelling drive	•					•	
1. Replace the engine oil the first time after 20 s/h or the first month, then every 100 s/h or after 6 months at the latest 2. Replace the fuel filter the first time after 50 s/h, then every 400 s/h							

Replace the engine oil the first time after 20 s/h or the first month, then every 100 s/h or after 6 months at the latest Replace the fuel filter the first time after 50 s/h, then every 400 s/h





			1.11.1		ı	
	aintenance p _	n/servic –	ours (s/n)	_	_	
0		af Onc	Eve or a	Eve	C	
For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the	ervice we (daily)	y 3 mon ter 200 s	ry 6 mo after 400	ery 1000 nce a ye	Custome	uthorise vorksho
attachment manufacturer as well.		s/h oth or	nths) s/h	s/h ear	er	
Fluid and filter changes (🧳):						
Carry out the following oil and filter changes (check oil levels after test run):						
• Engine oil 1		•				•
• Engine oil filter ²			•			•
Replace the fuel filter element ²			•			•
 Replace the air filter element 			•			•
Hydraulic oil filter insert		•		•		•
Hydraulic oil			•			•
Hydraulic oil tank breather				•		•
Inspection work (🗇):						
Check the following material. Refill if necessary:						
Check injection setting		_	•			•
Check and adjust injection time ⁴				•		•
Clean and adjust the fuel injection pump ⁵				•		•
Check and adjust the injection pressure of the injection nozzles, clean the injection needles/nozzles				•		•
Clean the fuel filter		•			•	
Check condition and injection of fuel injection nozzle			•			•
Check the fuel level, fill up fuel	•				•	
• Engine oil	•				•	
Hydraulic oil	•				•	
Check hydraulic oil radiator for dirt, clean if necessary	•				•	
Check oil cooling systems and hoses for leaks and pressure (visual check)	•				•	
Air filter (damage)	•				•	
Check exhaust system for damage and condition	•				•	
Intake and exhaust valve clearance			•			•
Empty diesel fuel tank						•
Check battery electrolyte. Fill up with distilled water if necessary			•			•
Check alternator, starter and electric connections, bearing play and function			•			•
Pressure check of primary pressure limiting valves		•	•			•
Check tracks for cracks and cuts	•				•	
	-	=	-	=	_	

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5-2		Maintenance plan/service hours (s/h)	plan/serv	rice hour	.s (s/h)			ı
28	5.11 Maintenance plan DT08-D (diesel engine) Work description	Serv (Once a	Every 3		Every	Cus	
	For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.	ice work daily)	a month or	months or	6 months er 400 s/h	1000 s/h e a year	stomer	horised rkshop
	Check valve clearance. Adjust if necessary					•		•
	Check track tension. Retighten if necessary	•					•	
	Bearing play of tread rollers, track carrier rollers, front idlers				•			•
	Check piston rods for damage	•					•	
	Check screws for tightness		•		•			•
	Pin lock	•					•	
	Line fixtures	•					•	
	Adhesive labels and Operator's Manual		•		•			•
	Lubrication service ():							
	Lubricate the following assemblies/components – see Lubrication plan DT08 with skip on page 5-29:							
	• Skip	•					•	
	• Tilt ram	•					•	
	Loader unit (option)	•					•	
	Loader unit rams (option)	•					•	
	Track tension	•					•	
	Track roller bearings	•					•	
	Leakage check (♣️):							

Drain engine oil the first time after 50 s/h, then every 200 s/h
Replace the engine oil filter the first time after 50 s/h, then every 400 s/h
Replace the fuel filter the first time after 50 s/h, then every 400 s/h
Check and adjust injection time every other 1000 s/h servicing
Clean and adjust the fuel injection pump every other 1000 s/h servicing

u® Engine and hydraulic system

Visual check

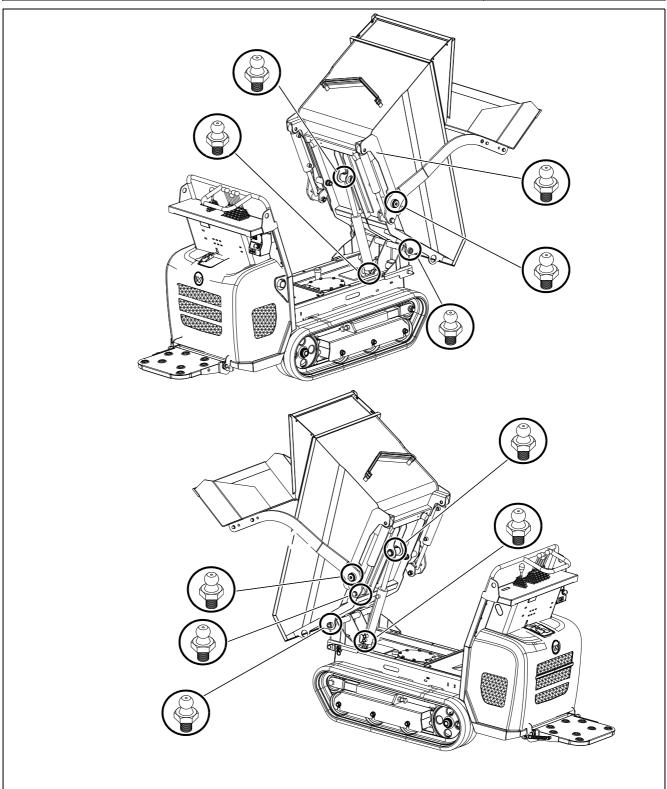
Sil cooling circuit

Check for tightness, leaks and chafing: pipes, flexible lines and screw connections of the following assemblies and components. Rectify if necessary:



5.12 Lubrication plan DT08 with skip

Explanation	Symbol
Lubrication point	



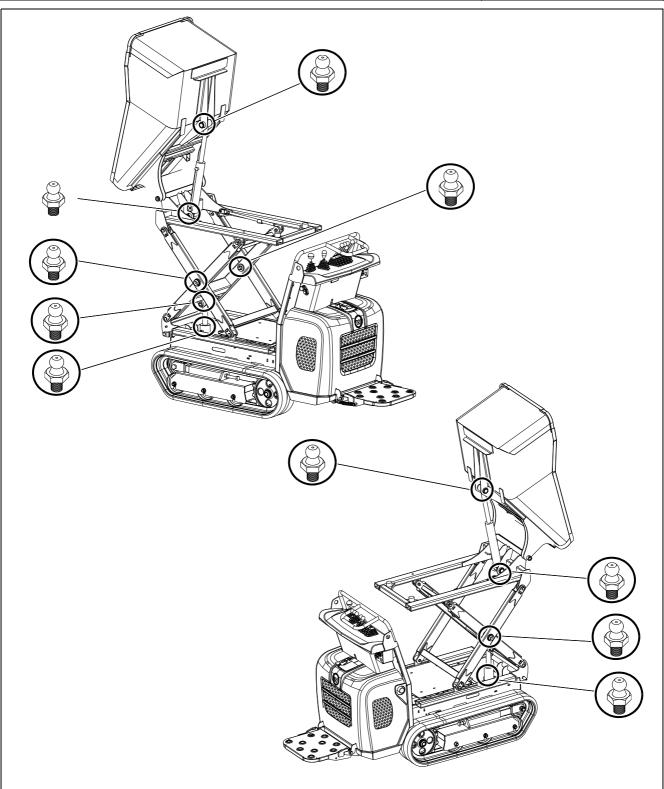
5-29 5-29





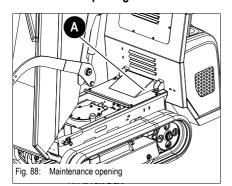
5.13 Lubrication plan DT08 with high-tip skip (option)

Explanation	Symbol
Lubrication point	





Maintenance opening



Maintenance opening for cleaning the chassis.

■ Unscrew 4 screws to remove housing **A**.

BA DT08 SL EN – Edition 1.0 * dt08b560.fm 5-31









6 Specifications

6.1 Engine

Sturdy steel sheet chassis, rubber-mounted engine

Engine	Model DT08-D	Model DT08-P
Product	Yanmar diesel engine	Honda petrol engine
Туре	L100N6 CA1T1AAS1	GX 270 U QE OH
Design	Air-cooled 4-stroke engine	
No. of cylinders	•	1
Displacement	435 cm ³	270 cm ³
Nominal bore and stroke	86 x 75 mm	77 x 58
Output	6.8 kW at 3100 rpm	6.6 kW at 3600 rpm
Max. torque	22.5 Nm at 2000 rpm	17.7 Nm at 2500 rpm
Max. engine speed without load	3100 +/- 30 rpm	3850 +/- 100 rpm
Idling speed	1200 +/- 30 rpm	1400 +/- 150 rpm
Fuel injection system	Mechanical governor	Electronic ignition
Starting aid	Reverse	e starter
Battery	12 V/44 Ah	12 V/30 Ah
Max. inclined position (engine no longer supplied with oil):	20° continuously	20° continuously
Exhaust values according to	97/68 EC, EPA	97/68 EC, EPA

6.2 Hydraulic system

Hydraulics	Model DT08-D	Model DT08-P
Pump		r pumps 3.2 cm³/rev
Flow rate	41 l/min a	t 3600 rpm
Operating pressure for work hydraulics	150) bar
Operating pressure for drive hydraulics	175	5 bar
Hydraulic tank capacity	22.3	22.3

6.3 Undercarriage

Undercarriage	Model DT08-D	Model DT08-P
2 drive speeds	2.1 an	d 4.0 kph
Theoretical climbing ability	2	20°
Track width	18	0 mm
No. of track rollers on either side		3
Ground clearance	110 mm	
Ground pressure	0.19 – 0.36 kg/cm ²	0.16 - 0.34 kg/cm ²

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6.4 Work hydraulics

Work hydraulics	Model DT08-D	Model DT08-P
Hydraulic pump displacement:	20 I/min a	t 3600 rpm
Control valve	1 section/	2 sections
Max. operating pressure	150 [±]	^{:5} bar
Filter	Retur	n filter
Hydraulic oil tank	22.3	22.3

6.5 Skip

Skip	Model DT08-D	Model DT08-P
Struck	334	1 1
Heaped	387	7
Liquid capacity	166	31
Skip length	1135	mm
Skip width	700 i	mm
Skip height	374 1	mm

6.6 High-tip skip (option)

Skip (option)	Model DT08
Struck	240
Heaped	280
Liquid capacity	195
Skip length	1134 mm
Skip width	764 mm
Skip height	442 mm

6.7 Loader unit (option)

Loader unit (option)	Model DT08-D	Model DT08-P
Width	830 mm	
Scraping depth	130 mm	

6-34





6.8 Noise levels

Sound power level	Model DT08-D	Model DT08-P
Sound power level (L _{WA}) ¹	100 dB (A)	100 dB (A)
Driver-perceived sound pressure level $(L_{PA})^2$	93 dB (A)	87 dB (A)
Uncertainty (K _{PA}) ³	1.3 dB (A)	1.4 dB (A)

- 1. According to ISO 6395
- 2. According to ISO 6396
- 3. According to EN ISO 4871



Notice!

Sound power level measurement based on Directive 2000/14/EC. Driver-perceived noise level measured in compliance with EU Directives 84/532/EEC, 89/514/EEC and 95/27/EEC. Measurements carried out on asphalted surface.

6.9 Vibration

Vibration	DT08
Effective acceleration value for the upper extremities of the body ¹	< 2.5 m/s ²
Effective acceleration value for the body ¹	< 0.5 m/s ²

Measurements as per 2002/44/EC, ISO EN 20643 and ISO/TR 25398 (measurement under the following conditions: excavating, driving). Machine and attachment operation and maintenance as per Operator's Manual. Uncertainty of measurement: measurements as per EN 12096:1997

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Value of vibrations transmitted to human body specified under special operational and ground conditions. Therefore it does not apply to a large number of applications.

Therefore, the value of the vibrations transmitted to the human body (indicated by the machine manufacturer in accordance with European standards) must not be used as a reference for specifying machine operator exposure to vibrations.





6.10 Dimensions model DT08-D with skip

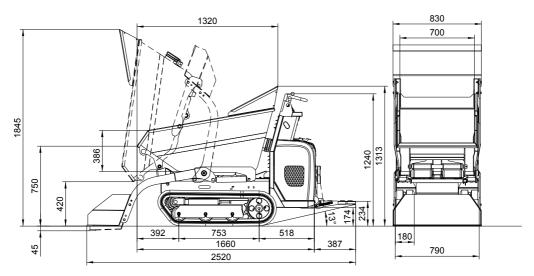


Fig. 89: Machine dimensions (model DT08-D with skip)

Main data	Model DT08-D
Payload	500 kg
Dead weight incl. skip and loader unit	560 kg
Length	1660 mm
Width	790 mm
Height	1313 mm
Foothold projection	387 mm
Track width	180 mm
Ground contact length of tracks	753 mm
Front skip projection	392 mm
Skip load height (front edge)	750 mm
Skip length	1320 mm
Skip width	700 mm
Skip depth	386 mm
Scraping depth	45 mm

6-36





6.11 Dimensions model DT08-D with high-tip skip (option)

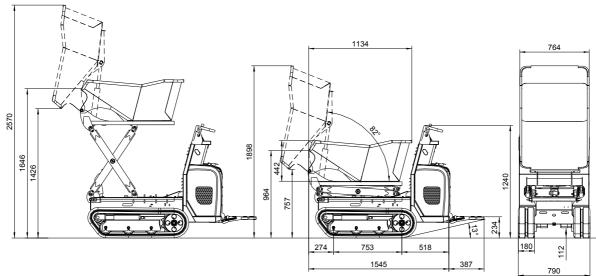


Fig. 90: Machine dimensions (model DT08-D with high-tip skip)

Main data	Model D108-D
Payload	500 kg
Dead weight incl. skip and loader unit	625 kg
Length	1545 mm
Width	790 mm
Height	1240 mm
Foothold projection	387 mm
Track width	180 mm
Ground contact length of tracks	753 mm
Front skip projection	274 mm
Skip load height (front edge)	964 mm
Skip length	1134 mm
Skip width	764 mm
Skip depth	442 mm

BA DT08 SL EN – Edition 1.0 * dt08b610.fm 6-37





6.12 Dimensions model DT08-P with skip

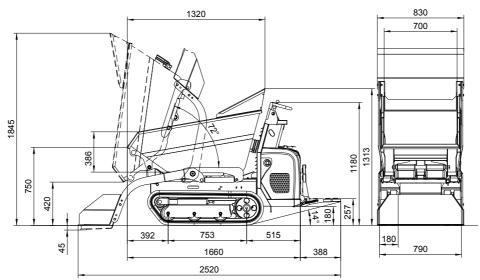


Fig. 91: Machine dimensions (model DT08-P with skip)

Main data	Model DT08-P
Payload	500 kg
Dead weight incl. skip and loader unit	515 kg
Length	1660 mm
Width	790 mm
Height	1313 mm
Foothold projection	388 mm
Track width	180 mm
Ground contact length of tracks	753 mm
Front skip projection	392 mm
Skip load height (front edge)	750 mm
Skip length	1320 mm
Skip width	700 mm
Skip depth	386 mm
Scraping depth	45 mm

6-38





6.13 Dimensions model DT08-P with high-tip skip (option)

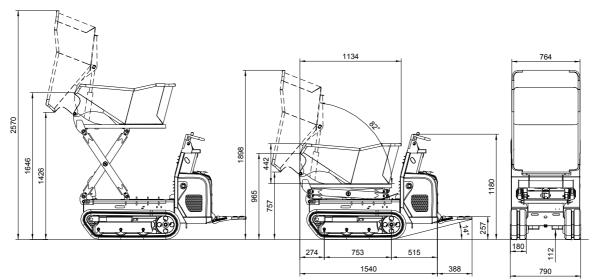


Fig. 92: Machine dimensions (model DT08-P with high-tip skip)

Main data	Model DT08-P
Payload	500 kg
Dead weight incl. skip and loader unit	580 kg
Length	1540 mm
Width	790 mm
Height	1180 mm
Foothold projection	388 mm
Track width	180 mm
Ground contact length of tracks	753 mm
Front skip projection	274 mm
Skip load height (front edge)	965 mm
Skip length	1134 mm
Skip width	764 mm
Skip depth	442 mm
Scraping depth	500 kg
	*

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6.14 Electrical system

Electrical system	Model DT08-D	Model DT08-P
Dynamo	12 V 15 A	12 V 1 A
Starter	12 V	12 V
Battery	12 V 44 Ah	12 V 30 Ah

6.15 Fuses

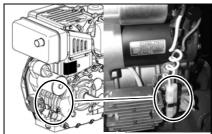


Fig. 93: Diesel engine fuse



 Fuse
 Rated current (A)

 Model DT08-D – diesel engine
 20 A

 Model DT08-P – petrol engine
 5 A

6-40

Wacker Neuson Linz GmbH keep abreast of the latest technical developments and constantly improve their products. For this reason, we may from time to time need to make changes to diagrams and descriptions in this documentation which do not reflect products which have already been delivered and which will not be implemented on these machines. Technical data, dimensions and weights are given as an indication only. Responsibility for errors or omissions not accepted.

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