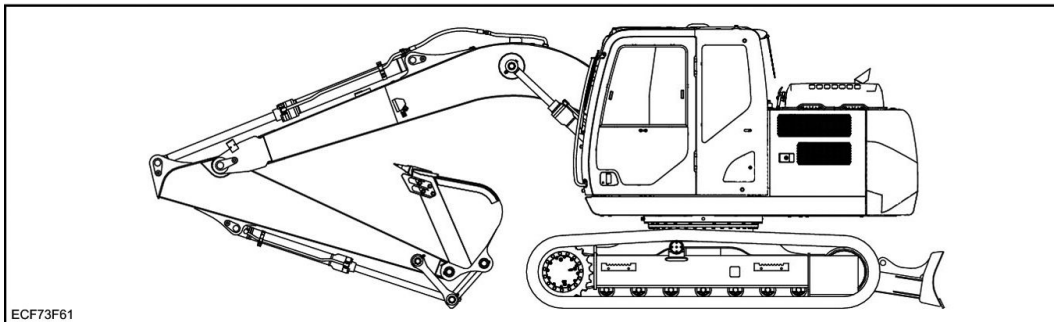




OPERATOR'S MANUAL



CX130C

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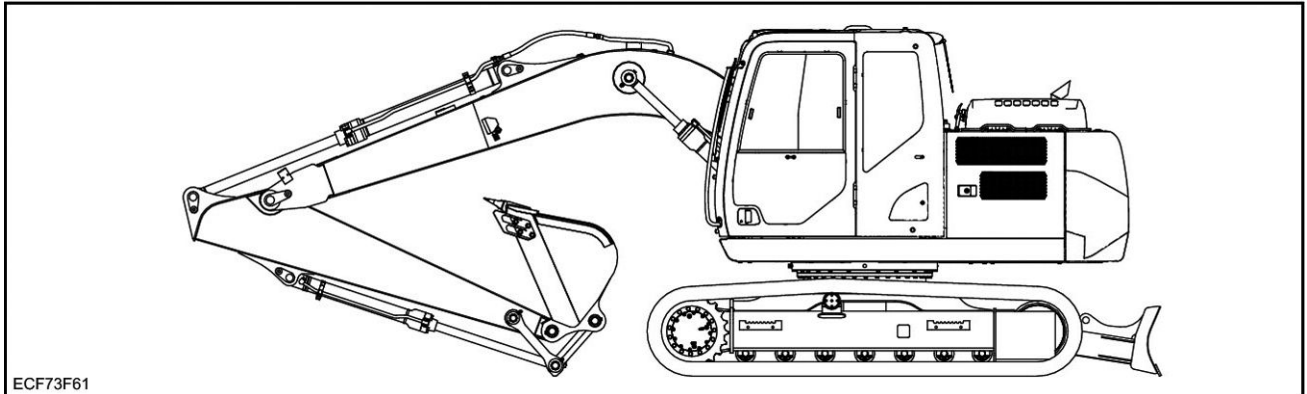


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Product identification

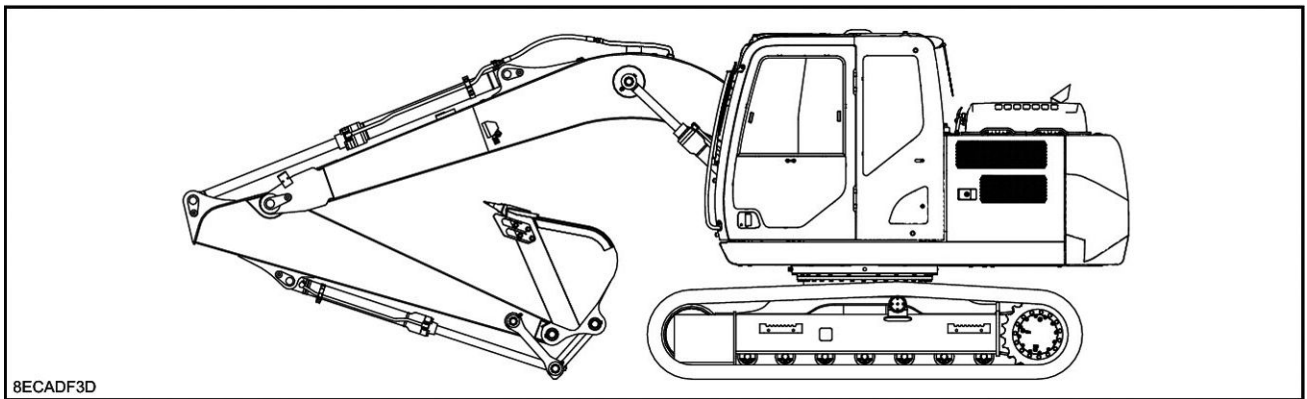
CX130C (standard type) hydraulic crawler excavator



ECF73F61

ECF73F61 1

CX130C (LC type) hydraulic crawler excavator



8ECADF3D

8ECADF3D 2

Pin plates

When ordering parts, obtaining information or assistance, always supply your CASE CONSTRUCTION Dealer with the type and serial number of your machine or accessories.

Write the following in the spaces below: the type, serial number and year of manufacture of your machine, accessories and the serial numbers of the various hydraulic and mechanical components.

Machine

(1) Type / Model and Category:
(Hydraulic Excavator) **CX130C**.

(2) Product identification number:



QC3CE6-003N 3

- Clean the machine regularly. Accumulations of grease, dirt and debris can cause injuries or damage the machine.
- Periodically inspect the fastening of the main components, as part of the machine maintenance programme: counterweight, turntable bearing and operator's compartment. In the event of problems, consult your CASE CONSTRUCTION Dealer.
- If the accumulator is not functioning correctly, consult your CASE CONSTRUCTION Dealer. Never try to carry out any servicing operation on the accumulator. If this instruction is not followed serious injury can result.
- The accumulator is charged with nitrogen under high pressure. Do not weld or allow flames to come near to the accumulator.
- There is high pressure fuel in the feed pipe when the engine is running and immediately after it has been shut down. Wait for 2 minutes after engine shut down before you do any maintenance or inspections to allow the pressure to drop in the pipe.
- The Diesel Particulate Diffuser (**DPD**) and the exhaust gas from the exhaust system are extremely hot while the engine is running, during **DPD** regeneration and immediately after driving. Be careful not to inadvertently touch them. Otherwise, you could get burned.
- High-voltage is charged to the controller and/or to the injector while the engine is running and immediately after it has been shut down.
Do not touch the controller or the injector.
If it is necessary to touch them for maintenance purposes, consult your CASE CONSTRUCTION Dealer.

Quick coupler (optional)

- Every day, check that the locking bar functions correctly and that it is not fouled by foreign matter. Clean the locking system if necessary.

Preventing fires or explosions

- Engine fuel can cause an explosion or a fire.
Never refuel when the engine is running.
Never smoke while refuelling.
Take all necessary safety measures when welding, grinding or working near a flame.
- When flammable materials such as plants, dry grasses and paper waste are present near the machine, they can be the cause of a fire.
- Always use a non-flammable solvent for cleaning parts.
- A spark or a light can cause the hydrogen in a battery to explode. To avoid all risk of explosion, be sure to follow the instructions below:
When disconnecting battery cables, always disconnect the negative cable (-) first.
When connecting battery cables, always connect the negative cable (-) last.

Never short-circuit the battery terminals with metal objects.

Do not weld, grind or smoke near the batteries.

- Before performing maintenance for the electrical systems or electric welding, always place the key of the battery master switch in "O" (Off) position (if equipped) or disconnect the negative (-) terminal of the batteries, in order to cut off the electric circuit.
- Always store batteries in a safe place, out of the reach of children.
- Sparks can fly from the electrical system or the engine exhaust. Before running the machine in an area where there may be inflammable gasses, make sure there is adequate ventilation.
- If possible, make sure there is a fire extinguisher (not supplied) within easy reach on board the machine. Make sure the fire extinguisher is regularly serviced in conformity with the manufacturer's instructions.
- Clean the machine regularly, removing all debris and inflammable material.
- Make sure there are no leaks and replace any damaged hoses, lines or connectors. After any repair work, clean the machine before operating.

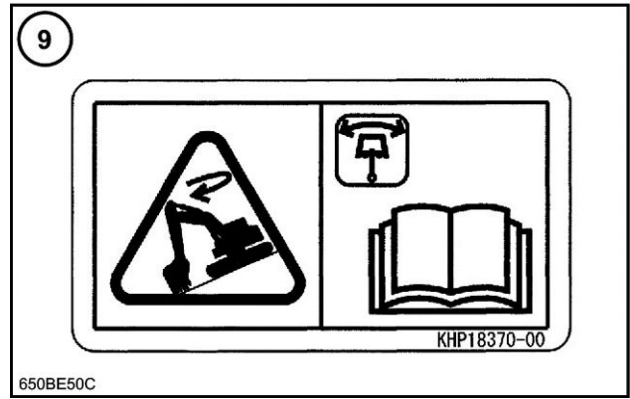
Prevention of burns

- The electrolyte in the batteries can cause serious burns. The battery contains sulphuric acid. Avoid contact with skin, eyes and clothing.
Antidote:
External: rinse thoroughly with water and remove soiled clothes.
Internal: do not induce vomiting. Rinse the mouth out with water. Seek medical advice.
Eyes: rinse thoroughly with water for 15 minutes and seek medical advice.
- When battery electrolyte freezes it can explode if you try to charge the battery or start up the engine with a booster battery. To prevent the electrolyte from freezing, always keep the battery fully charged.
- The battery produces explosive gases. Keep all naked flames, sparks and cigarettes away. Ensure adequate ventilation when charging batteries or when using in a confined place. Always protect your eyes when working near the battery.
- Boiling coolant solution can spray out if the radiator cap is removed while the system is still hot. Before removing the cap, let the system cool down and then turn the cap to its first notch, waiting until all pressure is released. Then remove the cap.
- Never touch battery terminals with the hands as electrolysis can take place within the human body and damage vital organs.

Free swing

Part number: KHP18370

This decal indicates that it is necessary to read the operators manual when the free swing is used.



650BE50C 18

Cab protection **FOPS** (Falling Objects Protective Structure, optional) and **ROPS** (Roll Over Protective Structure)

Part number: KHP18640

This decal indicates that it is prohibited to weld, drill and cut the cab protection.



C2817308 19

Customer assistance

Part number: KHP18650

This decal indicates the telephone number for assistance.



8E716016 20

Fuel tank

Part number: KHP17840

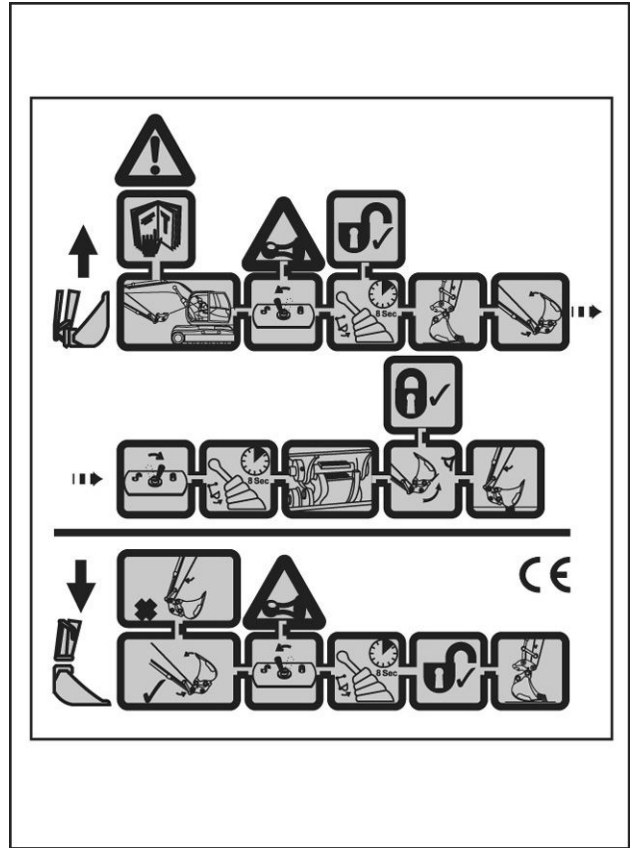
This decal shows the location of the fuel tank and that suitable fuel must be used.



QLVP88-004 21

Quick coupler (optional)

This decal shows the precautions to be taken to ensure that the implement is correctly installed on the quick coupler.



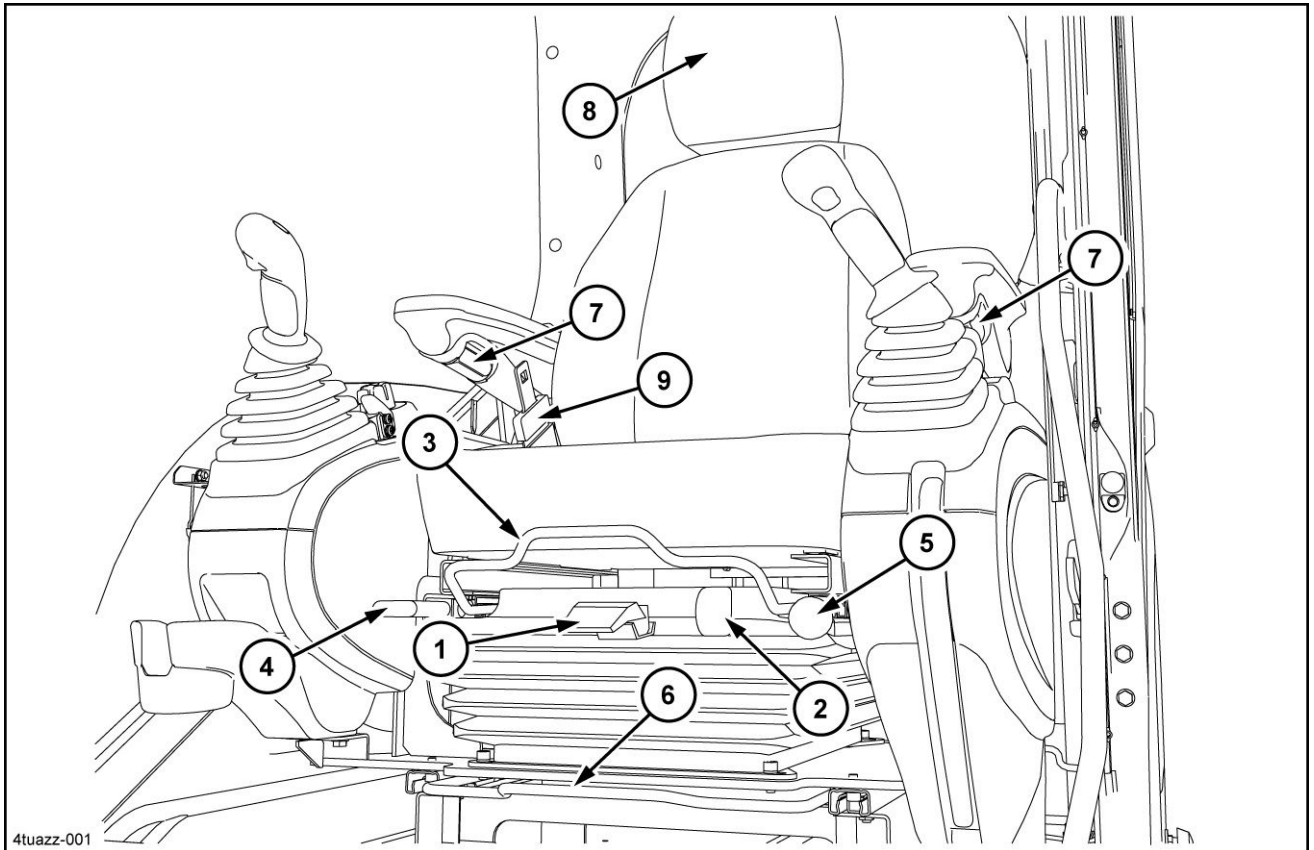
COUPL-001 55

OPERATOR'S SEAT

Air suspension seat

In order to operate the machine correctly and with maximum efficiency and comfort, adjust the seat to suit the weight and size of the operator.

NOTE: The adjustment of the seat can only be carried out when the operator is seated in the seat, the engine is shut down and the ignition key is set to "ACC" (accessory current supply).



4tuazz-001

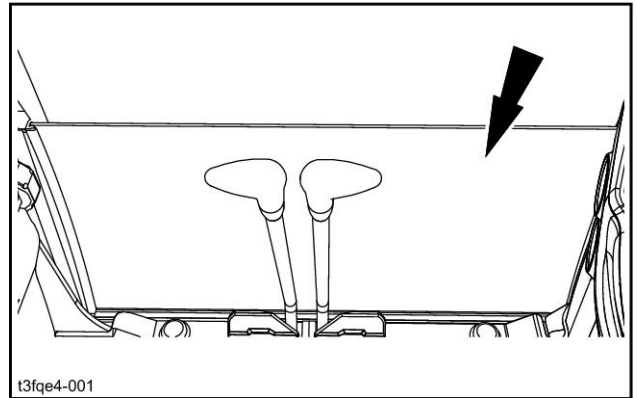
4TUAAZ-001 1

- | | |
|--|--|
| 1. Combined height and weight adjustment | 6. Seat and control arm assembly fore and aft adjustment |
| 2. Weight adjustment indicator | 7. Armrest angle adjustment |
| 3. Fore/aft adjustment | 8. Headrest adjustment |
| 4. Seat back angle adjustment | 9. Seat belt |
| 5. Lumbar support adjustment | |

Front lower window

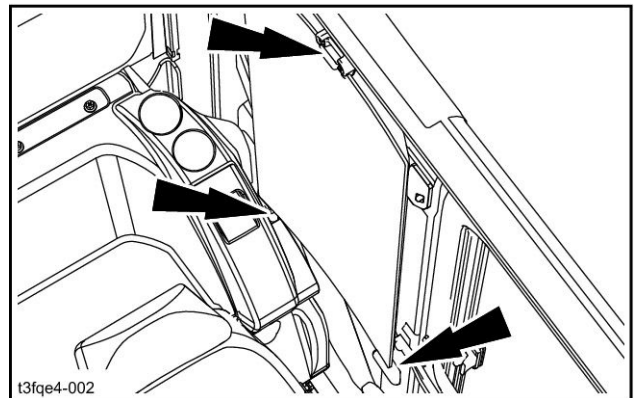
The front lower window may only be removed when the windshield is open.

1. Remove the window from its housing by sliding it upward.



T3FQE4-001A 1

2. Place the window in the storage position provided to the left of the operator's seat and then engage it correctly.



T3FQE4-002A 2

Menu screen display

Menu display

Push button (1).



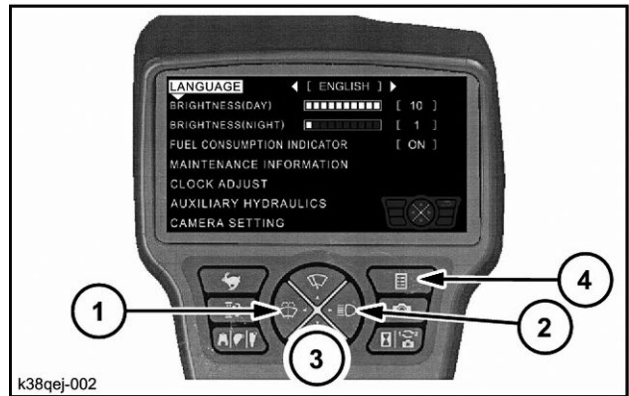
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GQ1BE4-004Z 1

Language

1. Push button (1) or (2).
2. Select item "English" or another language.
3. Push button (3) to access the following menu.

If (4) is pressed, the display returns to the machine information screen (original screen).



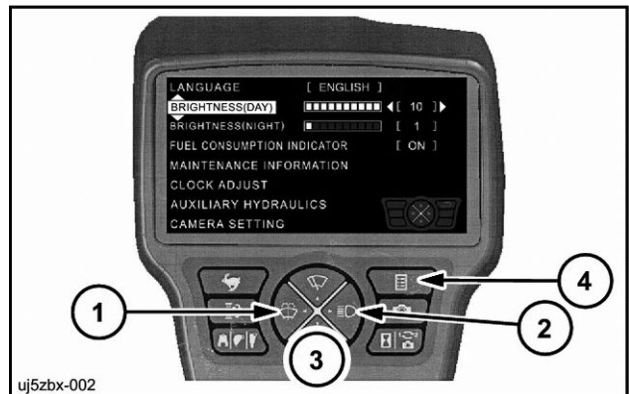
k38qej-002

K38QEJ-002 2

Brightness (day)

1. Push button (1) or (2).
2. Pushing button (1) is down level. Pushing button (2) is up level.
3. Push button (3) to access the following menu.

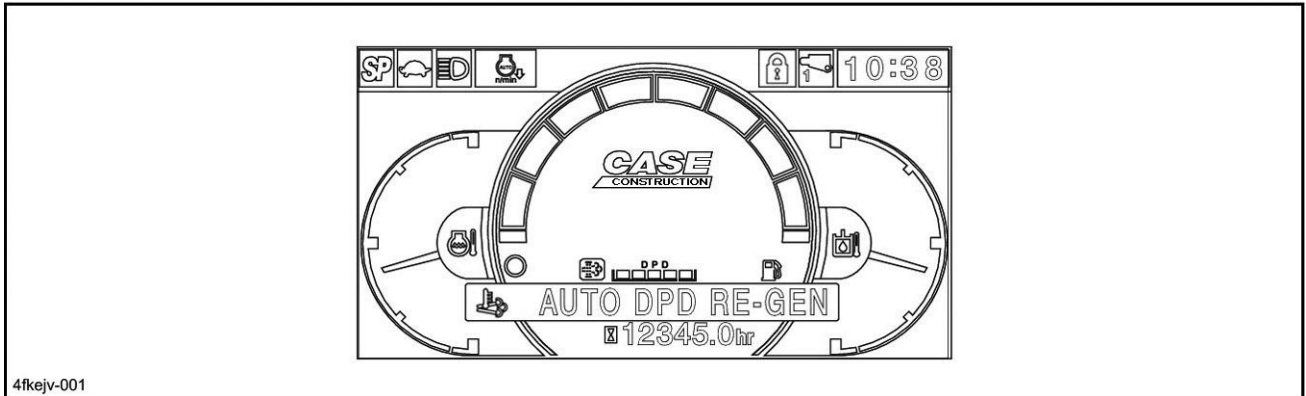
If (4) is pressed, the display returns to the machine information screen (original screen).



uj5zbx-002

UJ5ZBX-002 3

Suspending automatic regeneration



4FKEJV-001ZA 3

Automatic regeneration is suspended if either of the following is carried out during regeneration.

1. Setting the function cancellation lever to the lock position (safety bar retracted).
 - If the function cancellation lever is locked (safety bar retracted) during automatic regeneration, automatic regeneration is suspended.
Automatic regeneration restarts if the function cancellation lever is unlocked (safety bar out).
2. Pressing the Diesel Particulate Diffuser switch.
 - If the switch is held for 3 seconds or more during automatic regeneration, operation moves to optional manual regeneration. (The orange lamp blinks.)
Do not press the switch again if manual regeneration is not wanted.
The orange lamp goes out.
The diffuser may become faulty if operation is continued when automatic regeneration is suspended for a long time.
Move to a safe place as quickly as possible and execute regeneration. Operation changes to manual regeneration if automatic regeneration is suspended for a long time.

1. In automatic regeneration

- The green lamp is lit.
- The following message is displayed cyclically.



Auto **DPD** Re-gen

2. Carry out either of the following.

- Pressing the switch.



Push **DPD** switch to activate

3. Automatic regeneration is suspended.

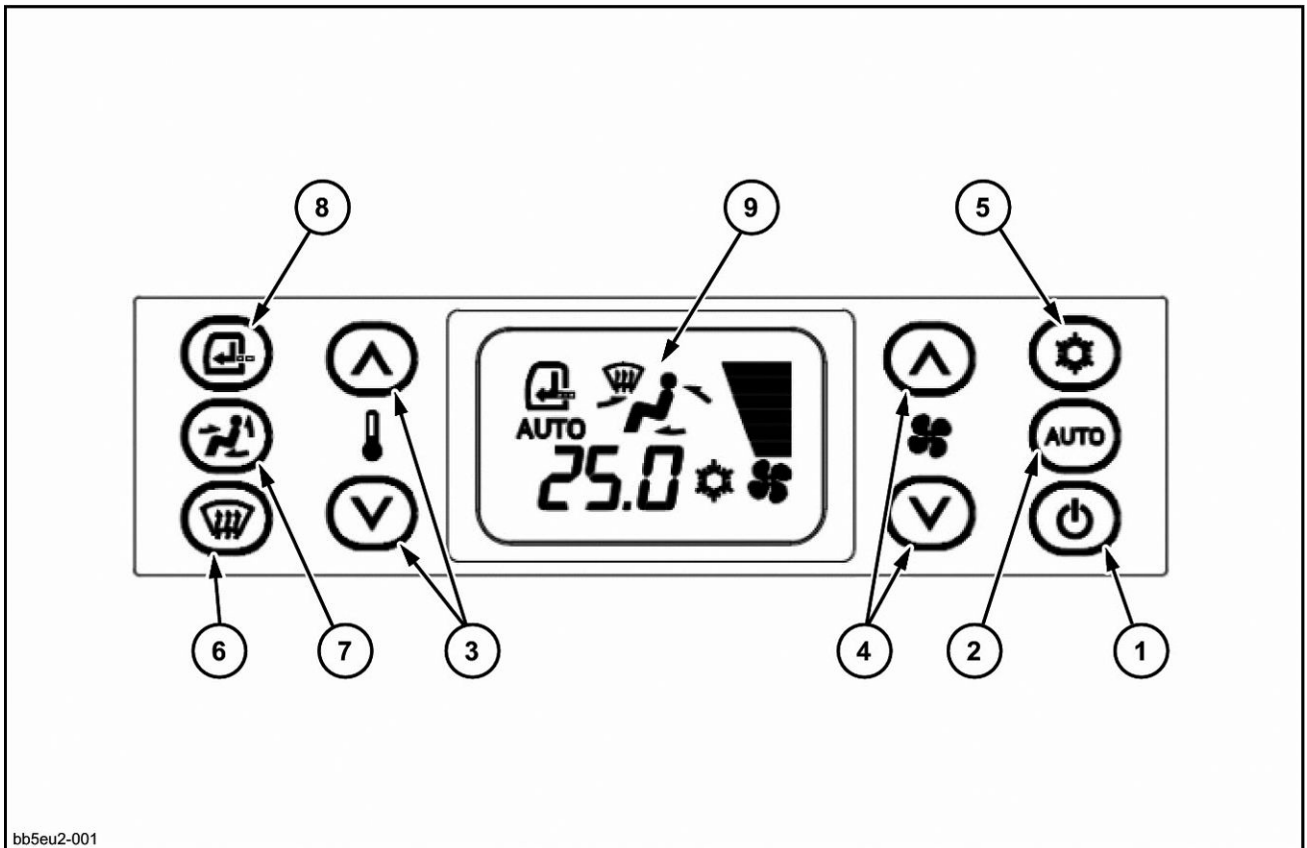
- The green lamp goes out.
- The following message is displayed.



Push **DPD** switch to activate

4. Press the switch once to restart automatic regeneration.

Heating, ventilation or air-conditioning control



bb5eu2-001

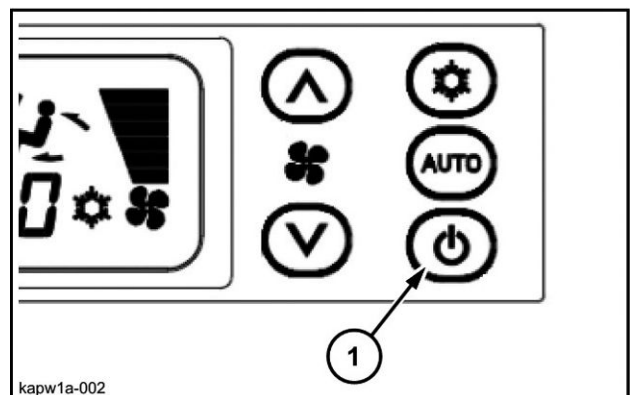
BB5EU2-001 1

- | | |
|---------------------|-------------------------|
| 1. On/Off | 6. Windshield defroster |
| 2. Automatic | 7. Air flow direction |
| 3. Temperature | 8. Air recycling |
| 4. Ventilation | 9. Display screen |
| 5. Air conditioning | |

On/Off

This push-button (1) is for turning the system On or Off.

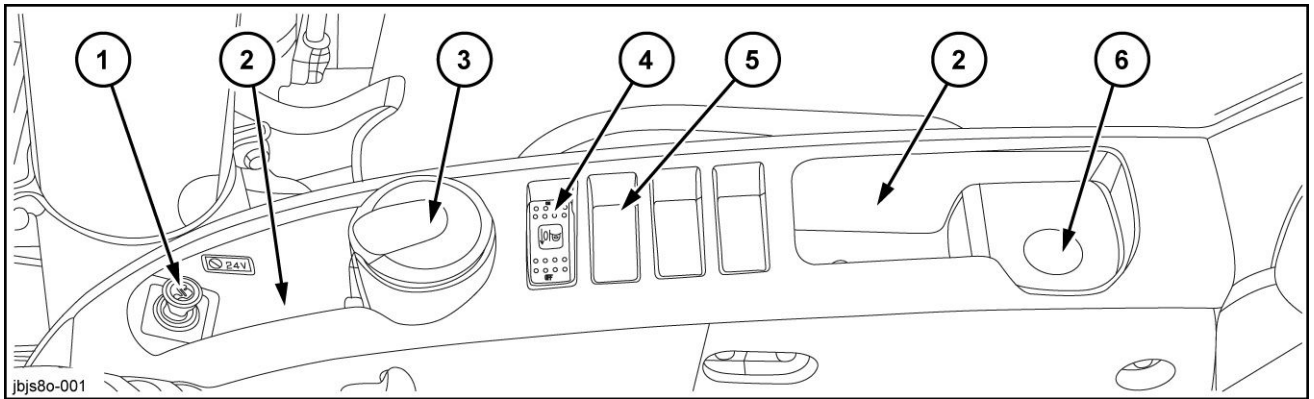
NOTICE: When the system is turned On it will operate at the same setting as the one selected previously.



kapw1a-002

KAPW1A-002 2

Right-hand console



JBJS80-001 1

1. Cigarette lighter or electrical socket (24 Volts)
The ignition key being in the “**On**” position, press then release the cigarette lighter.

ATTENTION: Do not keep the cigarette lighter pushed in, to avoid damage.

NOTICE: If the cigarette lighter does not move outwards 30 seconds after pressing it in, pull it out manually, since otherwise the electrical circuit could be damaged; consult your CASE CONSTRUCTION Dealer. Once the cigarette lighter has been removed from its socket, the latter can be used as a 24 volts electrical socket.

NOTE: Once the cigarette lighter has been removed from its socket, the latter can be used as a 24 volts electrical socket.

NOTICE: It is strictly prohibited to connect devices of a different voltage.

2. Storage tray
3. Ashtray
Pull the ashtray upward to empty it.

4. Horn volume control
Pressing this key toggles the horn alternately between normal volume and reduced volume.

NOTE: When the engine is restarted, the volume selected before shutting down the engine remains unchanged.

5. Option control (optional)
6. Auxiliary 12 volts socket
This socket is used to power electrical equipment of 12 volts.

NOTICE: It is strictly prohibited to connect devices of a different voltage.

Side doors

⚠ WARNING

Moving parts!

**Make sure all entry and mechanical access doors are properly closed before operating the machine.
Failure to comply could result in death or serious injury.**

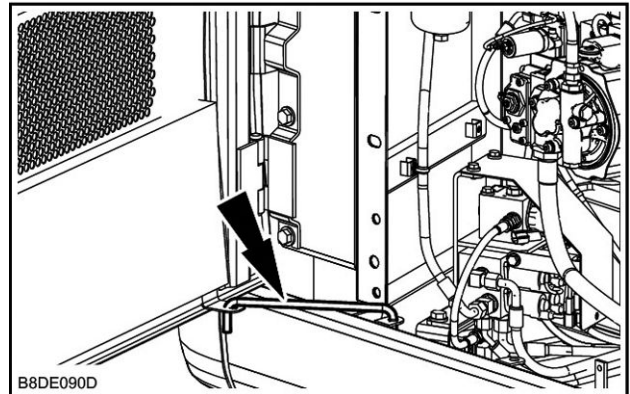
W0238A

Use the outside handle to open the doors. To hold the doors, open, remove the struts from their storage position and install them in the holes provided. When closing, put the struts back into their storage housing.

Use the ignition key to lock the side doors.

Right-hand door

The right-hand door gives access to certain hydraulic components (pump, filter, etc.) and also to the engine fuel and oil filters.



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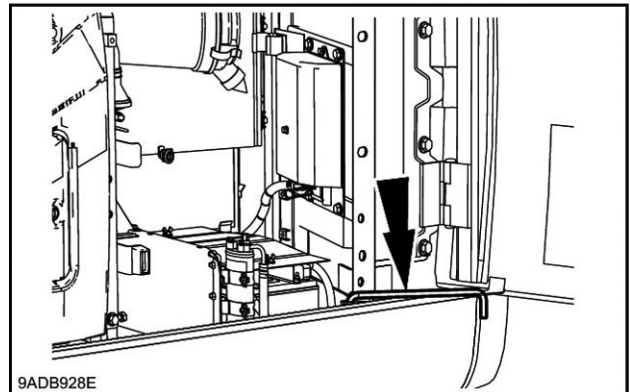
B8DE090D 1

Left-hand door

The left-hand door is mainly for obtaining access to the batteries, battery switch (if equipped), windshield washer tank, air filter, radiator, oil cooler, etc.

NOTICE: Always install the struts when the doors are open.

ATTENTION: Never leave tools or other objects behind the side doors.



9ADB928E

9ADB928E 2

4 - OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

Cab - Operating

Before using the machine

⚠ DANGER

Improper operation or service of this machine can result in an accident.

Do not operate this machine or perform any lubrication, maintenance, or repair on it until you have read and understood the operation, lubrication, maintenance, and repair information.

Failure to comply will result in death or serious injury.

D0010A

Before operating this machine, be sure to do the following:

1. Check the level of all fluids (engine oil, hydraulic fluid and coolant) and make sure that the fluids and lubricants are suitable for prevailing conditions. (Refer to pages **6-5** and **4-11**).
2. Carry out the daily maintenance operations. (Refer to page **6-1**).
3. Inspect the machine, look for any signs of possible leakage and check the hoses. Tighten or replace as necessary.
4. Refer to page **4-3** if the machine is new or if the engine has been reconditioned.
5. Check the track assemblies. (Refer to page **6-51**).
6. Clean the steps and access handles. Grease, oil, mud or ice (in winter) on the steps and access handles can cause accidents. Make sure they are kept clean at all times.
7. Clean or replace any decals which are illegible. (Refer to page **2-8**).
8. Make sure that the engine hood and the side doors are properly closed and latched.
9. Secure the cab door in either fully closed or fully opened position. (Refer to page **3-1**).
10. Remove any obstructions which hinder visibility. Clean the windshield, the windows and the rear view mirrors.
11. Check that no tools or other items have been left on the machine (be it on the undercarriage or the upperstructure) or in the operator's compartment.
12. Make sure nobody is on or under the machine. The operator must be alone on the machine.
13. Make sure nobody is standing in the machine working area.
14. Find out about current safety measures in use on the work site.
15. Work out a convenient means of escape from the machine (emergency exit via the windshield, the rear window glass) in the event of the machine turning over or tipping over or the cab door being jammed.
16. Before undertaking any travel or working operations during hours of darkness, make sure the lighting and signalling equipment is fully operative.

Operating the machine

⚠ WARNING

Driving hazard!

Check all controls and safety devices in a safe, open area before starting work.

Failure to comply could result in death or serious injury.

W0248A

When operating the machine, be sure to do the following:

1. When starting the engine, be sure to use the correct procedure for the prevailing weather conditions. (Refer to page **4-7**).
2. Regularly consult the hourmeter to ensure that all servicing operations are carried out punctually.
3. If you use your machine in particularly harsh conditions (dusty or corrosive atmosphere), the servicing intervals should be reduced accordingly.
4. Take note of the locations of pipes/cables before starting work.
5. Do not work near overhead high-voltage electric lines without checking beforehand that all necessary measures have been taken to respect the minimum distances:
Less than 57 000 volts: **3 m (9.8 ft)**
More than 57 000 volts: **5 m (16.4 ft)**
6. When working on a public highway, use standard traffic signs and take into consideration the working range of the upperstructure and its attachments. Local regulations stipulate the number, type and location of reflector strips.
7. Never operate the working or travel controls unless you are properly seated in the operator's seat with the seat belt correctly fastened.
8. Modify your driving to suit the type of work and working conditions.

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Operating the machine in hot or cold weather

In cold weather

Follow the recommendations shown below:

Batteries

- They should be fully charged.

Fuel

- To prevent condensation forming and water getting into the fuel system, fill the fuel tank after each day's work and drain off any water before starting the next day's work.
- To prevent crystals forming at **-2 °C (35.6 °F)**, use fuel which is rated for the ambient temperature or add an appropriate antifreeze to the fuel. (Refer to page **6-5**).

Engine oil

- It should be of the right viscosity for the ambient temperature. (Refer to page **6-5**).

Hydraulic fluid

- The viscosity must correspond to the ambient temperature conditions. (Refer to page **6-5**).

Coolant solution

- It must have specifications corresponding to the ambient temperature. (Refer to page **6-5**).

In hot weather

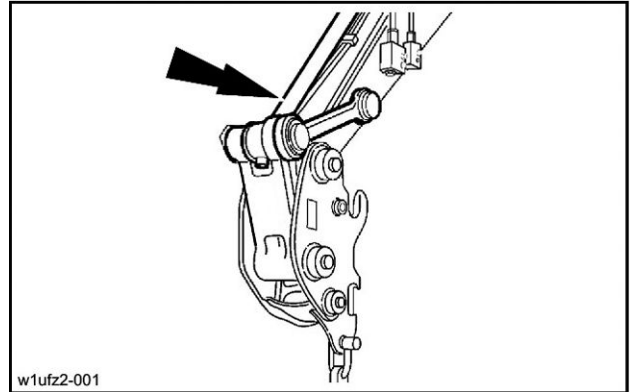
Follow the recommendations made below:

- Keep the coolant at the correct level in the coolant reservoir and in the radiator.
- Use the correct solution of ethylene glycol and water in the cooling system.
- Test the radiator cap before hot weather starts. Replace the cap as required.
- Clean all dirt and debris from the radiator, cooler and engine area.
- Check the condition of the fan drive belt.
- Check the dust valve in the air cleaner frequently during extreme dust conditions.
- Use lubricants of the correct viscosity. (Refer to page **6-5**).

Handling the load with the quick coupler (optional)

The load with the quick coupler must be handled with the bucket cylinder rod completely extended.

ATTENTION: Maintain this position throughout the load handling operation.

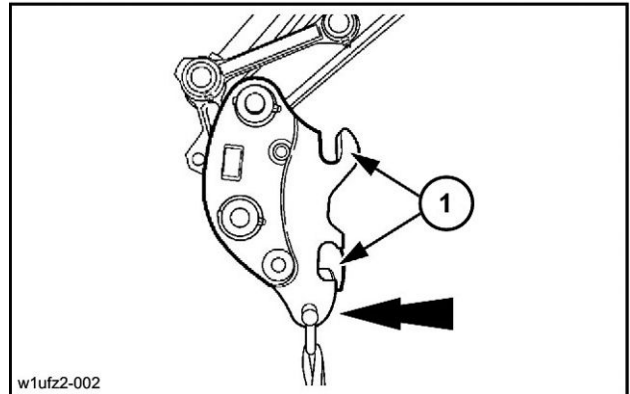


W1UFZ2-001A 2

The handling eye must be able to be seen from the cab throughout the load handling operation.

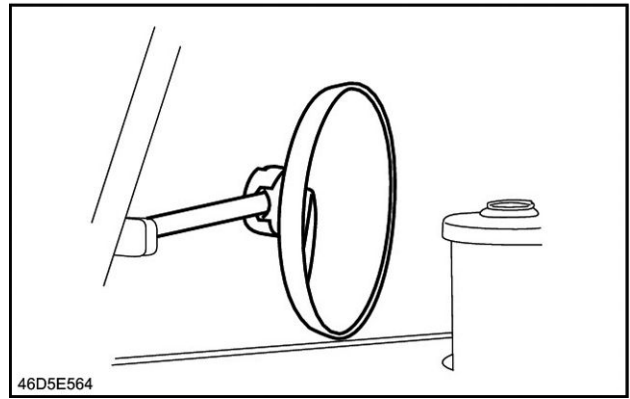
ATTENTION: It is strictly forbidden to use the front or rear fixing points (1) of the quick coupler to handle the load.

NOTE: The quick coupler eye can be used for handling loads up to 10 t.



W1UFZ2-002B 3

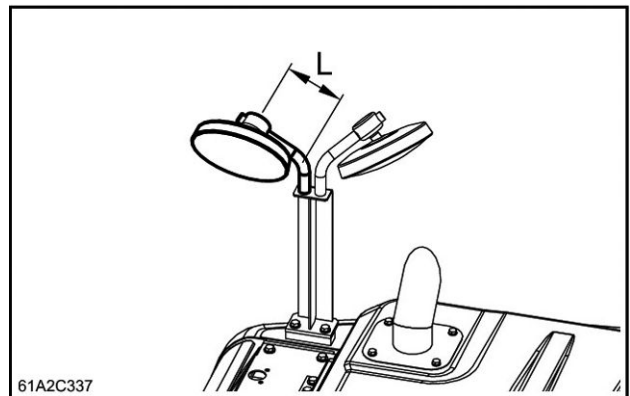
Adjust the mirror to see the side of the machine.
Tightening torque of bolt to tight the body of the mirror:
4.5 - 5.5 N·m (3.3 - 4.1 lb ft).



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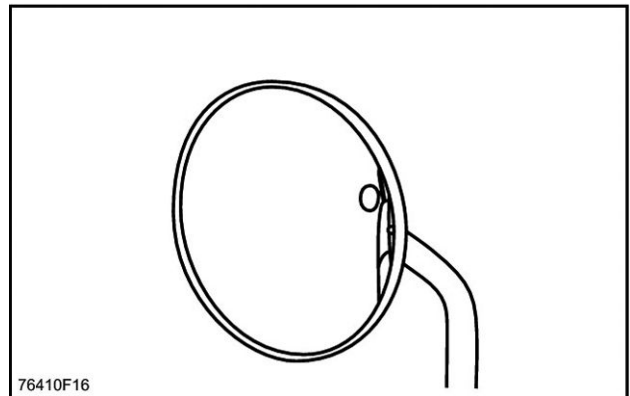
On the upperstructure (rear)

Adjust the mirror to see the right front edge of the machine by sight.
(L) dimension: **155 mm (6.1 in).**



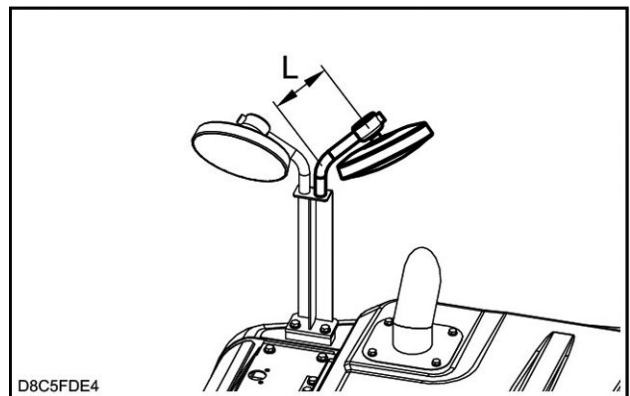
61A2C337 5

Adjust the mirror to see the side of the machine.
Tightening torque of bolt to tight the body of the mirror:
4.5 - 5.5 N·m (3.3 - 4.1 lb ft).



76410F16 6

Adjust the mirror to see the rear of the machine by sight.
(L) dimension: **160 mm (6.3 in).**



D8C5FDE4 7

7. Lock the operator's compartment door and make sure that the hoods, lower panels and side doors are properly fastened.

ATTENTION: Check that the no part of the machine is encroaching on the highway. If this cannot be avoided, set up approved traffic signs.

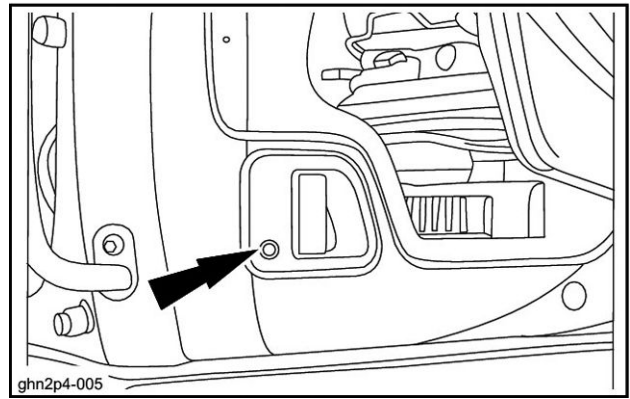
▲ WARNING

Fall hazard!

Jumping on or off the machine could cause an injury. Always face the machine, use the handrails and steps, and get on or off slowly. Maintain a three-point contact to avoid falling: both hands on the handrails and one foot on the step, or one hand on the handrail and both feet on the steps.

Failure to comply could result in death or serious injury.

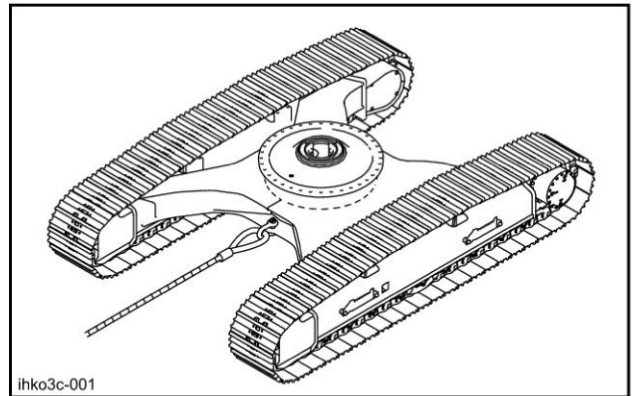
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GHN2P4-005 4

Towing a load

To tow a load of up to 10 tons, use one of the towing holes provided for this purpose. (Refer to page **3-70**).



IHKO3C-001 2

Environment and ecology

Before carrying out any maintenance operation on this machine and before disposing of used fluids or lubricants, always think of the environment. Never throw oil or fluid on the ground and never place it in leaking receptacles.

Consult your local ecological recycling center or your CASE CONSTRUCTION Dealer to obtain information on the correct method of disposing of these lubricants.

Soil, air and water are vital factors of life in general. When legislation does not yet rule the treatment of some of the substances which are required by advanced technology, sound judgement should govern the use and disposal of products of a chemical and petrochemical nature.

The following are recommendations which may be of assistance:

- Become acquainted with and ensure that you understand the relative legislation applicable to your country.
- Where no legislation exists, obtain information from suppliers of oils, filters, batteries, fuels, antifreeze, cleaning agents, etc., with regard to their effect on man and nature and how to safely store, use and dispose of these substances.
- Local Environmental Agency will, in many cases, be able to help you as well.

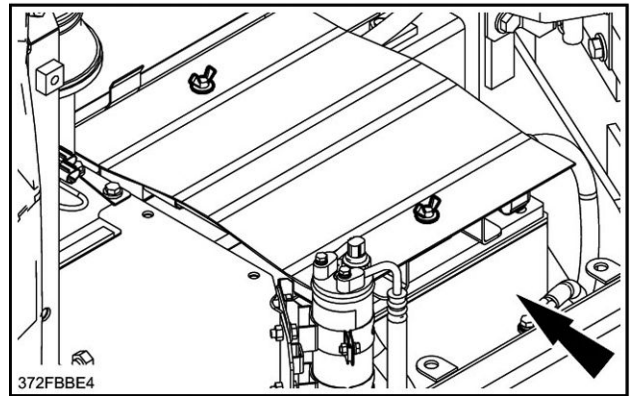
Fluid capacities and lubricant specifications

Component	Fluid/Lubricant type	Capacity
Engine	CASE TUTELA LE ENGINE OIL	17 l (4.5 US gal)
Cooling system	CASE AKCELA PREMIUM ANTI-FREEZE	16.2 l (4.3 US gal)
Fuel system	Refer to page 6-5	Reservoir 260 l (68.7 US gal)
Hydraulic system	CASE AKCELA HYDRAULIC EXCAVATOR FLUID	Total system 157 l (41.5 US gal)
		Reservoir 82 l (21.7 US gal)
Travel reduction gear	CASE AKCELA GEAR 135 EP	Per reduction gear 2.1 l (0.6 US gal)
Swing reduction gear	CASE AKCELA GEAR 135 EP	2.2 l (0.6 US gal)
Turntable teeth	CASE AKCELA 251H EP MULTI-PURPOSE GREASE	9.9 kg (21.8 lb)

Every 250 hours

Batteries: **(2)**

Refer to page **6-77**.

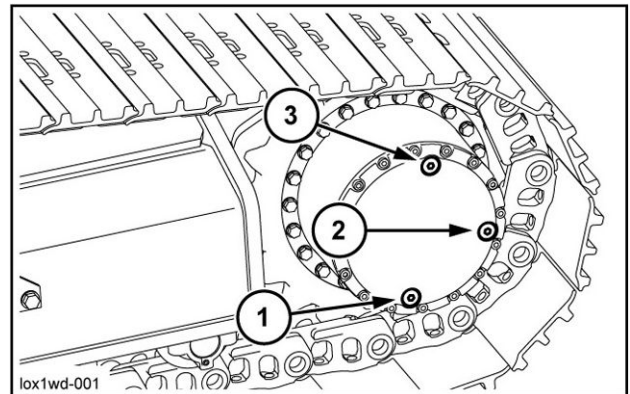


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Travel reduction gears: **(2)**

- 1. Drain
- 2. Level
- 3. Fill

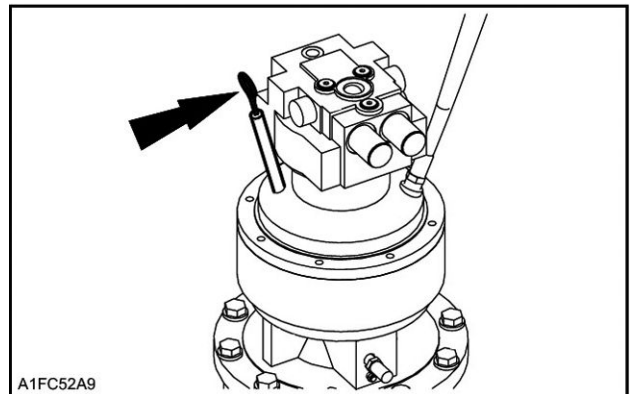
Refer to page **6-49**.



LOX1WD-001 5

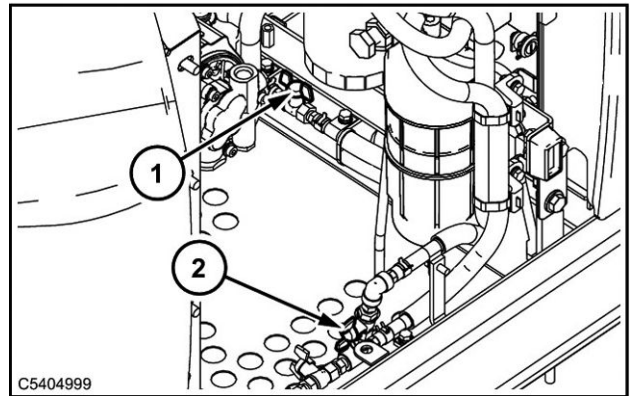
Swing reduction gear: **(1)**

Refer to page **6-47**.



A1FC52A9 6

- Close the valve (1) on the fuel tank line and close the valve (2) on the engine line.



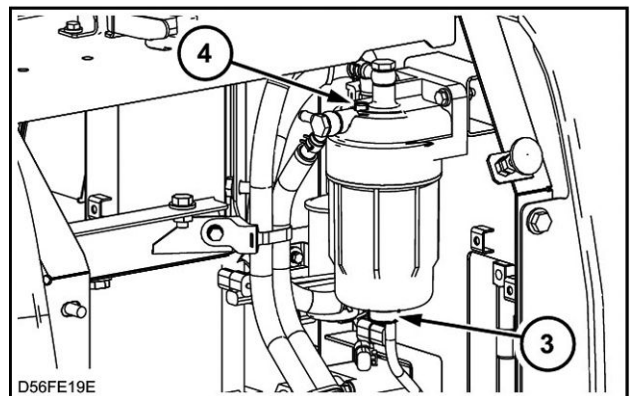
C5404999

C5404999 8

- Clean around the fuel filter body.

NOTICE: Never use the cleaner because that can cause damage.

- Loosen the drain plug (3) and the bleed screw (4).



D56FE19E

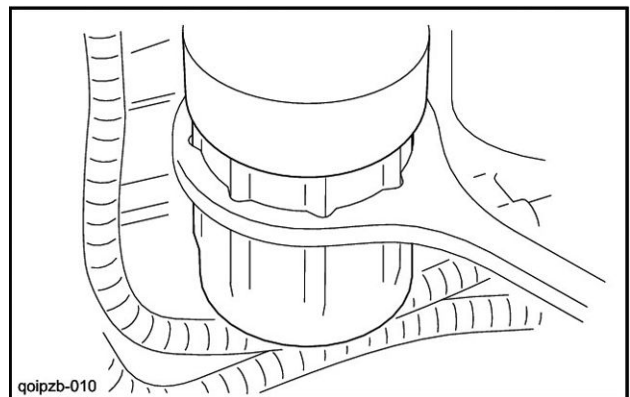
D56FE19E 9

- Clean around the fuel filter body then remove it using the wrench provided with the machine.
- Install the new fuel filter element. Replace the fuel filter body seal, then install the body, turning it until it is in contact with the fuel filter head.

ATTENTION: Do not fill the filter body with fuel before installing.

- Tighten the body using the wrench, the tightening torque must be from 28 - 32 N·m (20.7 - 23.6 lb ft).

NOTE: Bind tight within regulation torque.



qoipzb-010

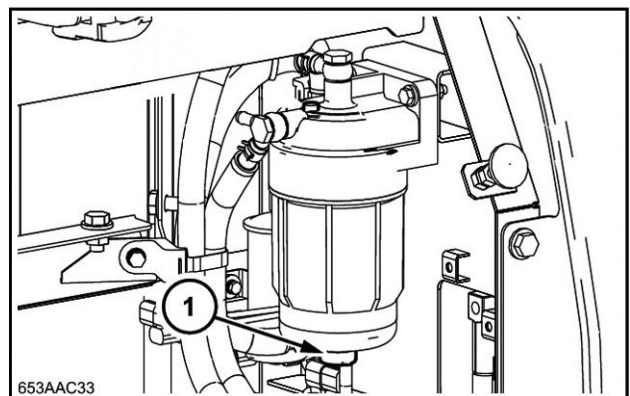
QOIPZB-010 10

- Replace the drain plug (1) seal then install the drain plug (1); the tightening torque must be between 8 - 12 N·m (5.9 - 8.9 lb ft)

ATTENTION: Overtightening can damage the seal.

ATTENTION: Never re-use the seal of the filter body or the drain plug (1); they must always be replaced with new seal.

NOTE: Bind tight within regulation torque.

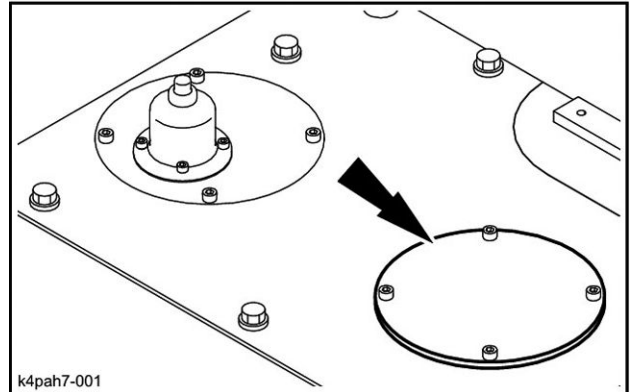


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653AAC33A 11

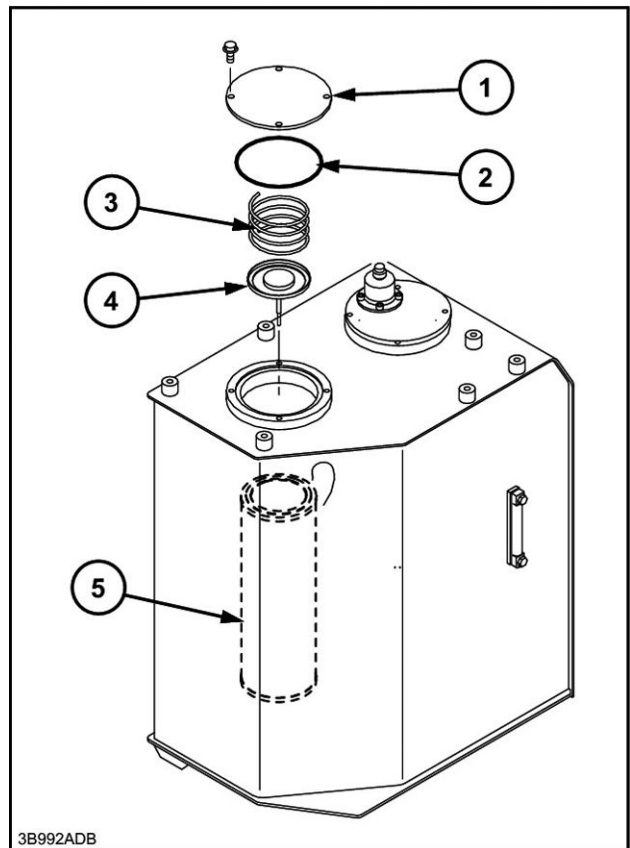
Replacing the return filter

1. Release all pressure in the hydraulic reservoir. Refer to page **6-33**.
2. Clean the top of the hydraulic reservoir and clean the return filter cover.



K4PAH7-001 8

3. Remove the cover **(1)** and O-ring **(2)**.
4. Take out the spring **(3)**, valve **(4)** and filter **(5)**.
5. Install a new filter **(5)**. Clean the spring **(3)** and valve **(4)** and install them.
6. Check O-ring **(2)** and change it if worn or damaged.
7. Install the cover **(1)**.
8. Check the level of the hydraulic fluid and add more if necessary. See "Filling the reservoir".



3B992ADB 9

Travel reduction gears

Service specifications

Oil level check: Every 250 hours

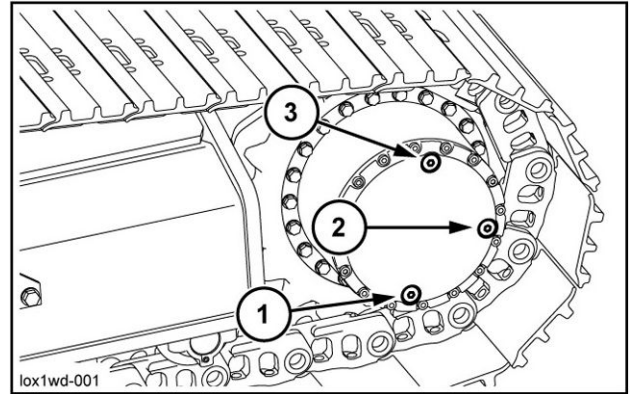
Oil drain: Every 1000 hours (after the first 250 hours during the run-in period)

Oil capacity (per reduction gear): **2.1 l (0.6 US gal)**

Type of oil: (Refer to page 6-5)

Level

1. Park the machine on flat, horizontal ground.
2. Move the machine so that plug **(1)** is in the lowest possible position.
3. Stop the engine and remove the ignition key.
4. Slowly loosen the plug **(3)** to release any residual pressure.
5. Remove the plug **(2)** and check the oil level. The level must come up to the bottom edge of the port **(2)**. If required, remove the plug **(3)** and top up through this port until oil comes up to the bottom edge of the port **(2)**.
6. If necessary, replace the seals of plugs **(2)** and **(3)** then replace the plugs.
7. Repeat Steps 2 to 6 for the other travel reduction gear.
8. Travel slowly with the machine and make sure there are no leaks.



LOX1WD-001 1

Fire extinguisher (not supplied)

It is strongly recommended to have a fire extinguisher available and to keep it in the front boot.

Service specifications

Every month:

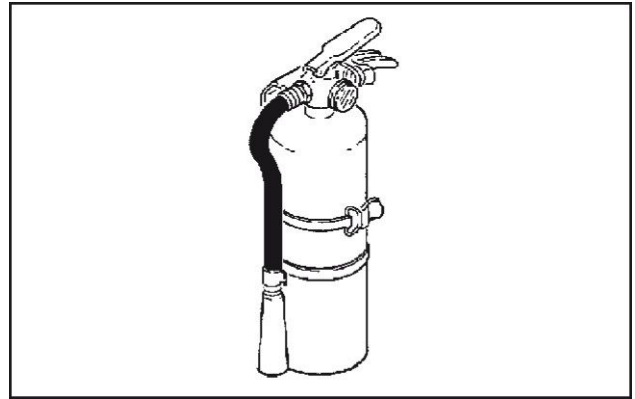
- Examine the fire extinguisher and make sure it is not damaged.

Every six months:

- Have an approved specialist empty and refill the powder in the fire extinguisher.

Every year:

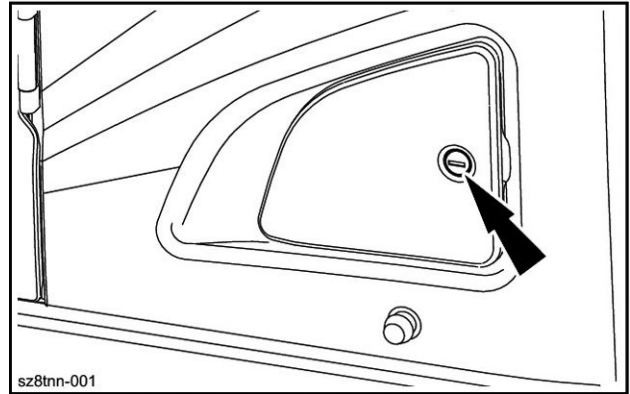
- Have an approved specialist examine the fire extinguisher.



CS98M573TBP1 1

Cleaning the suction and circulation filters

1. Open the operator's seat air filter compartment cover with the key.



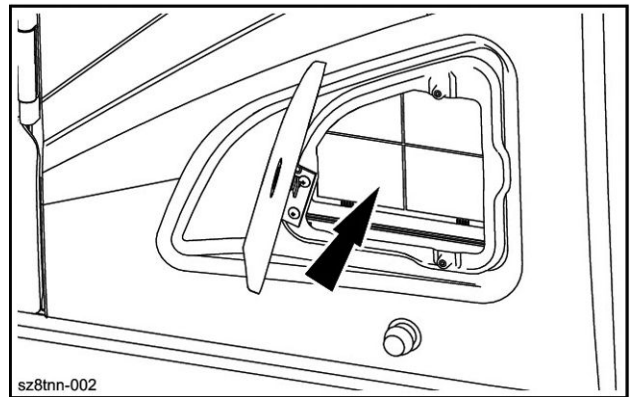
SZ8TNN-001 2

⚠ WARNING

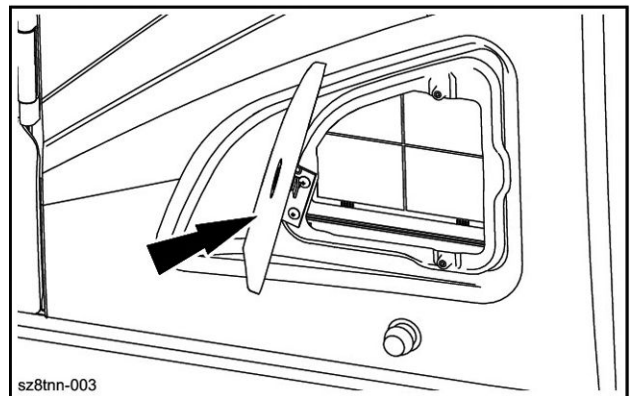
Flying debris!
Compressed air can propel dirt, rust, etc. into the air. Wear eye and face protection when using compressed air.
Failure to comply could result in death or serious injury.

W0307A

2. Remove the filter and clean it with compressed air. If the filter is damaged, replace it.
3. Install the filter.
4. Close the cover and lock it with the key.



SZ8TNN-002 3



SZ8TNN-003 4

Changing a battery

⚠ WARNING

Electrical shock hazard!

Do not reverse battery terminals. Connect positive cable ends to positive terminals (+) and negative cable ends to negative terminals (-).

Failure to comply could result in death or serious injury.

W0262A

⚠ WARNING

Hazard to bystanders!

Always store batteries in a safe location. Keep out of reach of children and other unauthorized persons.

Failure to comply could result in death or serious injury.

W0224A

⚠ WARNING

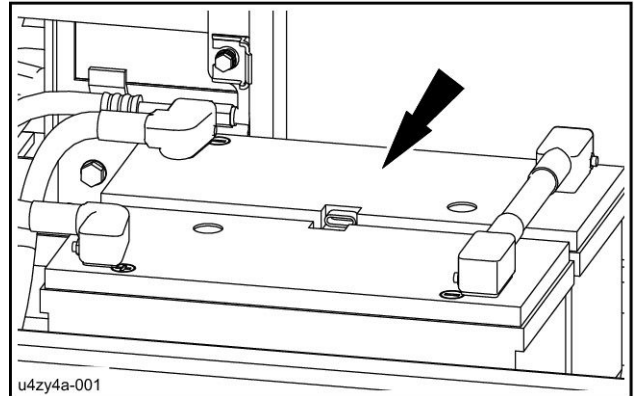
Battery acid causes burns. Batteries contain sulfuric acid.

Battery electrolyte contains sulfuric acid. Contact with skin and eyes could result in severe irritation and burns. Always wear splash-proof goggles and protective clothing (gloves and aprons). Wash hands after handling.

Failure to comply could result in death or serious injury.

W0120A

1. Place the key of the battery master switch in "O" (Off) position (if equipped).
2. Remove the terminal protection caps, disconnect cables (negative terminals) and then cables (positive terminals). Remove the anti-sulphate pellets and the battery clips.
3. Install a new battery, put back its clips.
4. Clean the cables and battery terminals and coat them with grease.
5. Install new anti-sulphate pellets, reconnect positive cable ends to positive terminals and then negative cable ends to negative terminals. Install the terminal protection caps.
6. Install the skid plate.
7. Place the key of the battery master switch in "I" (On) position (if equipped).



U4ZY4A-001A 4

Periodic checks

⚠ WARNING

**Inhalation hazard! Risk to operators and bystanders.
Avoid running the engine in confined areas. Make sure there is adequate ventilation at all times.
Failure to comply could result in death or serious injury.**

W0156A

Every month, check:

1. The battery charge and recharge the batteries if required.
2. The levels and top up if necessary.
3. The condition of all lines, connectors and clamps (rust). Grease if necessary.
4. The condition of the paintwork. Apply a coat of anti-rust treatment where necessary.
5. Unplug the air filter inlet and the exhaust pipe.
6. Run the engine at low speed following the starting up procedure and operate the attachment, swing and travel controls.
7. The grease on the cylinder rods.
8. Plug the air filter inlet and the exhaust pipe.

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