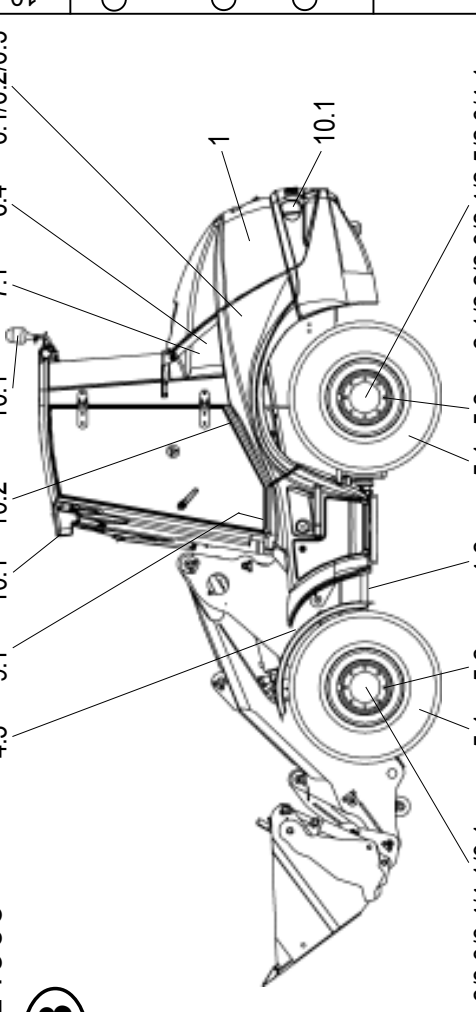


Maintenance

8 Maintenance Plan

23124906										Every x operating hours										Max. permissible intervals or shorter (depending on use)																																																																																																																																																																																																																																																																																																																																																																																																																									
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Engine										Inspections (chapter 8.2.1) →										Suction engine (48 kW) oil change										Turbo engine (55 and 63 kW) oil change										Fuel filter (chapter 8.2.4) →										Check air filter clogging indicator (4-14/15)										Maintain/replace filter element / safety cartridge →										Activate dust removal valve										Check cooler and clean if necessary										Check coolant level, top off if necessary										Check anti-freeze, top off if necessary										Rear axle with distribution valve										Check axis transmission oil level (check plug)										Change axis transmission oil →										Check planetary gear transmission oil level (check plug)										Change planetary gear oil →										Check distribution gear oil level (check plug)										Change distribution gear oil →										Front axle										Check axis transmission oil level (check plug)										Change axis transmission oil →										Check planetary gear transmission oil level (check plug)										Change planetary gear oil →										Axles/cardan shaft										Check fastening of axles (425 Nm)										Check fastening of cardan shaft (32 Nm)										Wheels and tyres										Check air pressure										Check fastening of wheel nuts (500 Nm)										Hydraulic system										Replace filter inserts, observe electr. indicator →										Oil level check (view glass) →										Oil change →										Check and clean hydraulic oil cooler										Battery										Visual inspection										Grease points (indicated in red) →										Brake systems										Function and visual test of service and parking brake before starting work										Parking brake: Check brake play, adjust if necessary										Lighting system / fresh air filter										Function test before starting work										Maintaining/replacing the fresh air filter →									

8 Maintenance

8.1 Notes regarding maintenance



DANGER

- The engine must be turned off.
- For work to be carried out under the bucket arm:
 - the bucket must be emptied or the attachment must be relieved,
 - the bucket arm must be mechanically propped up [e.g. by inserting the bucket arm support (option) (1-1/arrow)],
 - secure the hand lever(s) for the working and auxiliary hydraulics (actuate toggle switch 1-2/arrow "top").
- The loader must be secured against rolling by applying the parking brake (4-12/2) and by setting the drive direction switch (4-11/4) to position „0“. In addition, wheel chocks (8-1/arrow) must be placed on both sides of one of the two wheels of the front axle.

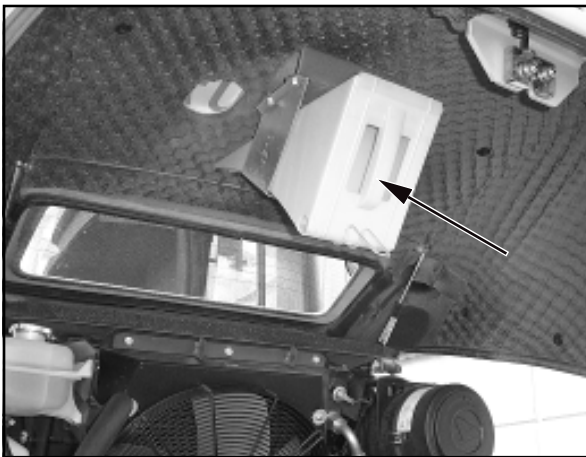


Figure 8-1



CAUTION

- Change the oil when the units are lukewarm.
- Perform maintenance work when the loader is on level ground and the bucket arm is in its lowest position.
- Replace damaged filter inserts and gaskets immediately.
- Clean force-feed lubrication nipples before lubricating.



NOTE

- For any necessary maintenance work refer to the maintenance plan.
- Damage which is traceable to non-observance of the maintenance plan is not covered by the warranty.
- The lubricants listed in the maintenance plan can be used at ambient temperatures ranging from -15°C to +40°C.



CAUTION

For ambient temperatures below 15 °C, refer to the description given in section 5.2.2, "Winter operation".



NOTE

In the event of a pipe or hose break in the hydraulic system, shut off the engine immediately (chapter 5.3.1). Seal the defective spot with a cleaning cloth or plug if possible to prevent the escape of greater hydraulic oil volumes.

Have the defective pipe or tube repaired immediately by an expert in hydraulics.

8.2 Maintenance work

8.2.1 Engine inspections

8.2.1.1 Engine oil level check



CAUTION

Check the engine oil level **every 10 operating hours**.

(1) Park the loader in a level position and shut down the engine.

(2) Wait some minutes. Open the engine hood and pull out the oil dipstick (8-2/arrow).

(3) Check the oil level.



NOTE

- The filling level must be between the two markings "**L**" (low, min.) and "**H**" (high, max.).
- If necessary, top up oil via the filler neck (8-3/arrow).

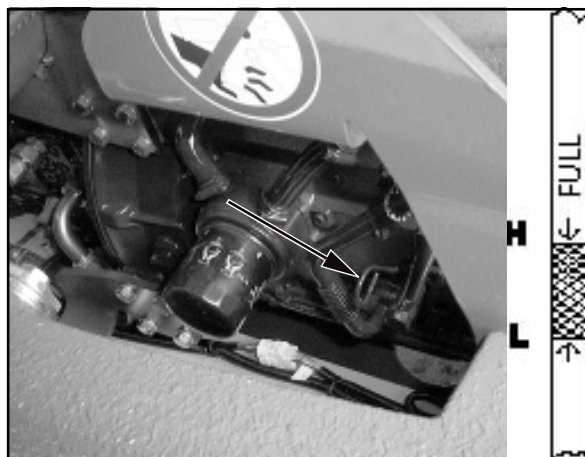


Figure 8-2



Figure 8-3

8.2.1.2 Cooling water check



CAUTION

Check the cooling water level **every 10 operating hours**.

(1) Open the lid (8-4/2) of the cooling water compensation tank (8-4/1) to relieve the system pressure.

(2) Check the filling level in the compensation tank.



NOTE

The filling level of the cooling water compensation tank (8-4/1) must lie between the two markings "**MIN**" (low) and "**MAX**" (high). If necessary, top up cooling water via the filler neck (8-4/2).

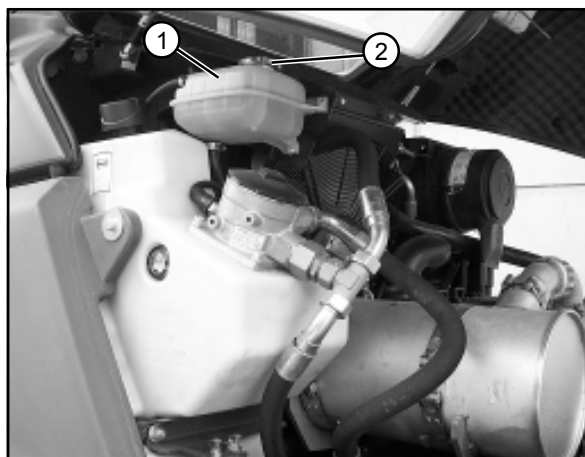


Figure 8-4

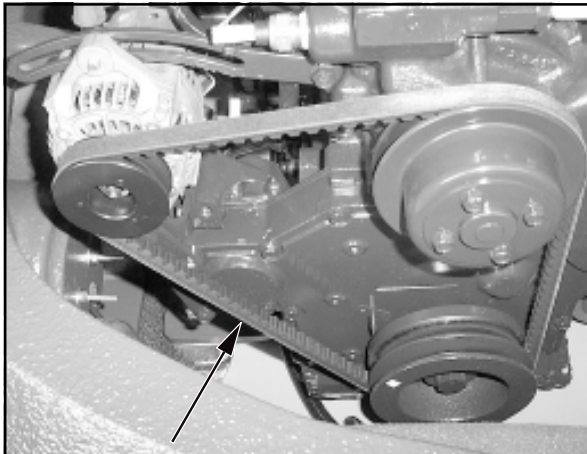


Figure 8-5

8.2.1.3 V-belt check



NOTE

Check the condition of the V-belt (8-5/arrow) **every 10 operating hours** for damages, cracks, etc. If necessary, replace the V-belt.

8.2.1.4 V-belt tension check



NOTE

Check the V-belt tension **every 1000 operating hours**. When tightened correctly, the belt may sag **no more than 5-8 mm** on its longest leg (8-5/arrow).

Correct the belt tension if necessary.

8.2.1.5 Other important engine checks

(1) Check the fastening of intake and exhaust manifolds **every 1000 operating hours**.

(2) Check the condition and function of starter and alternator **every 1500 operating hours**.

(3) Check the adjustment of the tip levers first time after **250 operating hours** then **every 2000 operating hours**.

- inlet valve 0,35 mm
- outlet valve 0,50 mm

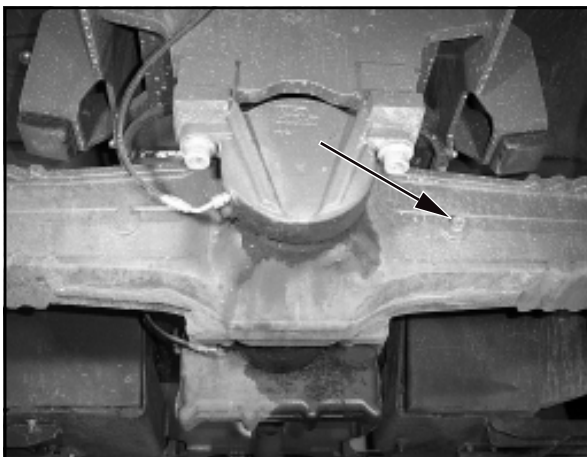


Figure 8-6

8.2.2 Oil level check for axles

8.2.2.1 Rear axle

(1) Unscrew the plug (8-6/arrow) from the axle arch.



NOTE

- The axle arch and the distribution gear do not have a common oil reservoir.
- The oil level must reach the plug bore.
- Collect any oil that escapes.

(2) Screw in the plugs again.

8.2.2.2 Planetary gear

(1) Move the loader until the marking line "OIL LEVEL" is horizontal and the plug is located above the top right of the marking line (8-7/arrow).

(2) Unscrew the plug.



NOTE

- The oil level must reach the plug bore.
- Collect any oil that escapes.

(3) Fit a new gasket and screw the plug back in.

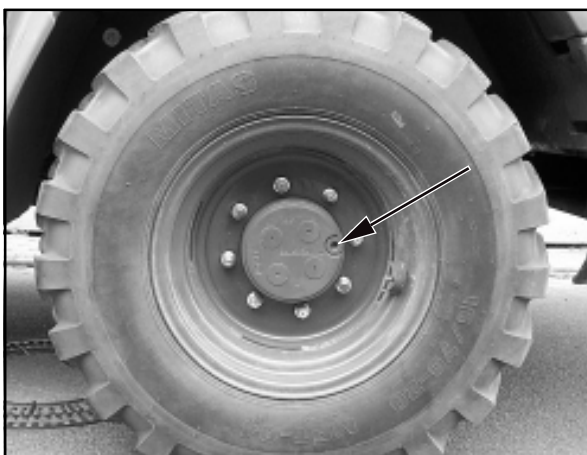


Figure 8-7

8.2.2.3 Front axle

- (1) Unscrew the plug (8-8/arrow) from the axle arch.



NOTE

- The oil level must reach the plug bore.
- Collect any oil that escapes.

- (2) Screw in the plugs again.

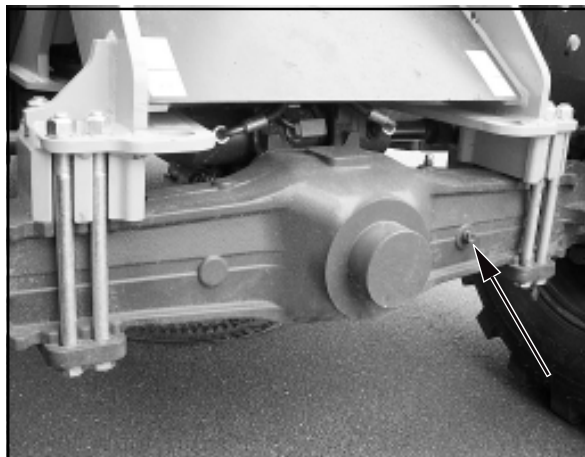


Figure 8-8

8.2.2.4 Oil level check (ancillary/distribution gear)

- (1) Unscrew the plug from the gear case (8-9/arrow).



NOTE

- Collect any oil that escapes.
- The oil level must reach the plug bore.
- If necessary, fill oil into the plug bore (8-9/arrow) until the oil reaches the required level.

- (2) Fit a new gasket and screw the plug back in.



Figure 8-9

8.2.3 Oil level check Hydraulic oil reservoir

- (1) Park the loader in a level position.
- (2) Move the bucket to its lowest position.
- (3) Tilt the quick-change device and move out the locking bolts using the pilot valve for the auxiliary hydraulics (4-10/1).
- (4) Open the motor hood.
- (5) Check the oil level in the sight glass.



NOTE

The oil level must be visible in the upper quarter of the sight glass (8-10/2). If necessary, fill oil into the filler neck (8-10/1).

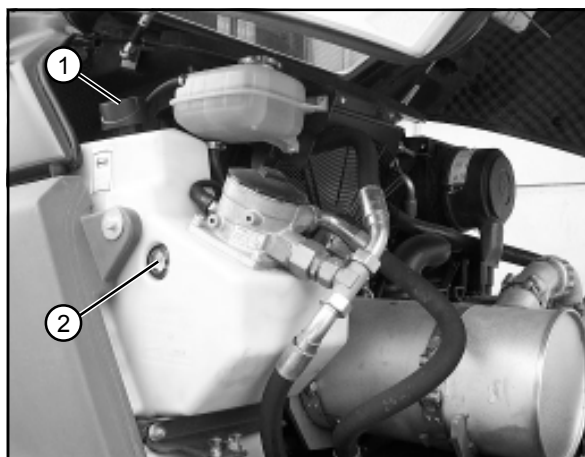


Figure 8-10



Figure 8-11

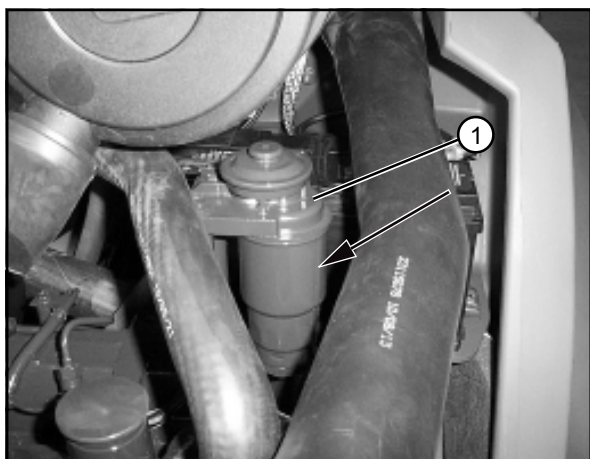


Figure 8-12

8.2.4 Fuel filter

8.2.4.1 Draining the water trap of the fuel filter



CAUTION

Flush the water trap of the fuel filter **every 10 operating hours**.

- (1) Place a sufficiently large drain pan underneath.
- (2) Open the drain screw (8-11/1) of the water separation valve at the fuel filter (8-11/arrow) until a sufficient volume of fluid can drain off.



CAUTION

Dispose of the collected water/fuel mixture in such a way that it will not cause pollution!



NOTE

The water separator valve is sufficiently flushed when only clear fuel escapes from the drain screw.

- (3) Close the drain screw (8-11/1).



CAUTION

Tighten the drain plug by hand only to prevent damage to the thread.

8.2.4.2 Replacing the fuel filter



CAUTION

Replace the fuel filter **every 500 operating hours** or **every 6 months**.



DANGER

Fuel is flammable!
Smoking, open flames or other ignition sources are not permitted when work is performed on the fuel system.
Ensure sufficient ventilation to prevent the risk of damage to the respiratory system or to your health.

- (1) Place a sufficiently large drain pan underneath.
- (2) Open the motor hood.
- (3) Clean the environment of filter body (8-12/1) and filter cartridge (8-12/arrow).
- (4) Open the drain screw of the water separator valve and drain the filter (section 8.2.4).



CAUTION

Dispose of the collected water/fuel mixture and the filter cartridge in such a way that it will not cause pollution!

- (5) Loosen the filter cartridge (8-12/arrow) with a spanner (57 mm) or with a strap filter wrench and unscrew it with your hand.
- (6) Clean the sealing surfaces at the filter body.
- (7) Remove the O-ring seal (8-13/arrow) and check its condition. Replace the O-ring if necessary.
- (8) Fill new filter cartridge with clean fuel.
- (9) Fit the O-ring seal.
- (10) Screw on and tighten fuel filter with your hand (heed the notes provided by the filter manufacturer).
- (11) Start the engine and check it for leaks.

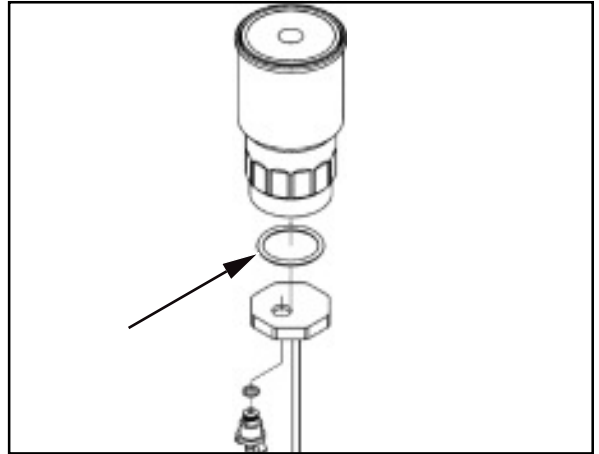


Figure 8-13

8.2.4.3 Kraftstoffvorfilter reinigen/wechseln



ACHTUNG

Der Kraftstoffvorfilter ist nach Bedarf zu reinigen. Spätestens **alle 500 Betriebsstunden** bzw. **alle 6 Monate** ist dieser zusammen mit dem Kraftstofffilter zu wechseln.



GEFAHR

Kraftstoff ist entzündlich!
Bei Arbeiten an der Kraftstoffanlage sind keine Zigaretten, offene Flammen oder sonstige entflammbare Verursacher zulässig.
Auf ausreichende Belüftung ist zu achten, um mögliche Atemwegs- bzw. Gesundheitsschäden auszuschließen.

- (1) Hohlsschraube (8-14/1) (SW 19) aus Kraftstofffilter schrauben.
- (2) Den in der Hohlsschraube befindlichen Kraftstoffvorfilter mit einem großen Schraubendreher heraus-schrauben.
- (3) Kraftstoffvorfilter mit Druckluft reinigen.
- (4) Der Einbau erfolgt in umgekehrter Reihenfolge zum Ausbau.

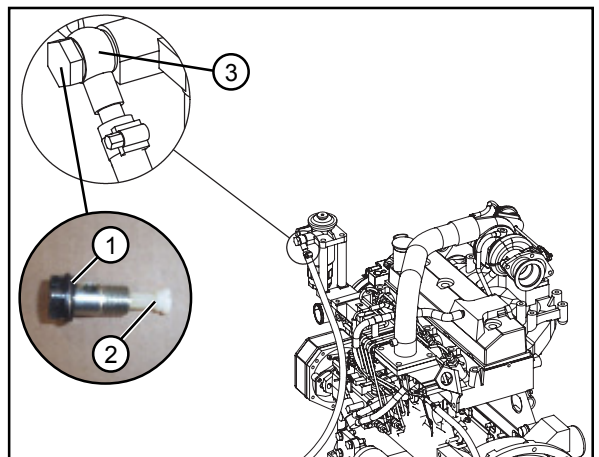


Figure 8-14



HINWEIS

Dichtringe auf beiden Seiten des Anschlussstutzens (8-14/3) ggf. erneuern.

8.2.5 Oil change, engine

- (1) Place a sufficiently large oil drain pan underneath.
- (2) Open the motor hood.
- (3) Unscrew the cap of the oil drain valve (Rölex safety oil drain valve) on the engine (8-15/arrow).



CAUTION

The oil will flow out of the hydraulic oil tank immediately when you open the oil drain screw if there is no safety oil drain valve with cap.

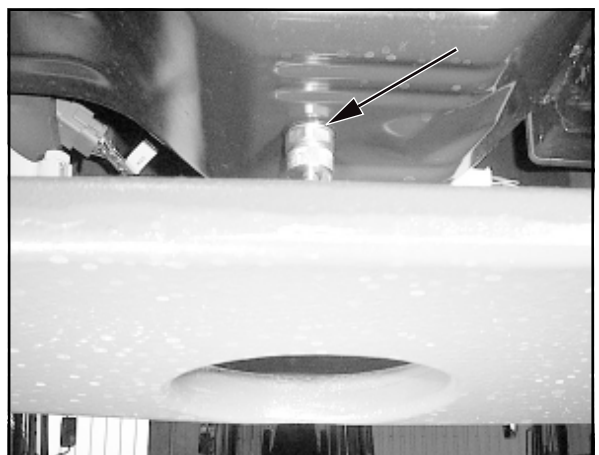


Figure 8-15

(4) Screw the drainage nozzle with hose from the tool box (4-1/12) to the oil drain valve.

(5) Remove the cover cap from the hose.

(6) Let the entire oil flow out.



CAUTION

Caution: risk of burns as long as the engine oil is hot.

(7) Close the drain hose with the cover cap and unscrew the hose.



NOTE

Screw the oil drain plug in again if there is no safety oil drain valve.



Figure 8-16



CAUTION

check the waste oil. Black, low viscosity oil indicates thinning with fuel. Milky oil indicates blending with coolant. Heed the stipulated oil change intervals in order to maintain the oil quality.



CAUTION

Waste oil must be disposed of in such a way that it will not cause pollution!

(8) Screw the cap onto the oil drain plug.

(9) Fill engine oil into the engine via the filler neck (8-16/arrow). The filling level must reach the upper marking "H".



NOTE

Information about the quantity and designation of oil as well as the change intervals is given in the maintenance plan (chapter 8.4).

(10) Close the filler neck (8-16/arrow) and start the engine.

(11) Idle the engine briefly and check for leaks at the screw plug etc.

(12) Check the engine oil level (section 8.2.1.1) and top up if applicable.

8.2.6 Changing the engine oil filter insert

- (1) Clean the filter body and its environment (8-17/1).
- (2) Place a sufficiently large oil drain pan underneath.
- (3) Loosen the filter cartridge (8-17/arrow) with a spanner (74 mm) or with a strap filter wrench and unscrew it with your hand. Make sure the seal is not stuck in place.

**CAUTION**

Caution: risk of burns as long as the engine oil is hot.

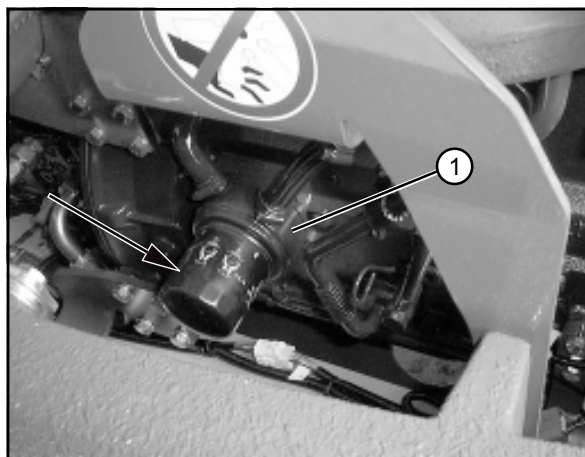


Figure 8-17

- (4) Clean the sealing seat of the new cartridge.
- (5) Lubricate the seal of the new engine oil filter cartridge with clean engine oil.
- (6) Screw the new filter cartridge in place and give it half a turn to tighten it (heed the manufacturer's notes).

**CAUTION**

Take care not to tighten the filter too much to prevent deformation of the thread and damage to the seal!

- (7) Idle the engine briefly to fill the filter with engine oil.

**CAUTION**

Check the engine oil pressure: After the engine has started, the indicator for engine oil pressure must go dark within 15 seconds. When the indicator remains lit, shut off the engine immediately!

- (8) Check the engine oil level as described in section 8.2.1.1 and top up if necessary.

8.2.7 Oil change, axles

8.2.7.1 Rear axle

- (1) Place a sufficiently large oil drain pan underneath.
- (2) Unscrew the plugs from the axle arch (8-18/2 and 8-19/2) and drain the oil.



CAUTION

Waste oil must be disposed of in such a way that it will not cause pollution!

- (3) Screw in the plug (8-19/arrow) again.
- (4) Fill in oil via the plug bore (8-18/2) until the oil level reaches the opening.



NOTE

- Information about the quantity of oil is given in the maintenance plan (chapter 8.4).
- After a few minutes, when the oil level has lowered, top up the oil until the oil reaches the marked level and remains stable.
- The vent valve of the axle (8-18/1) must be free from dirt.

- (5) Screw in the plug (8-18/2) again.

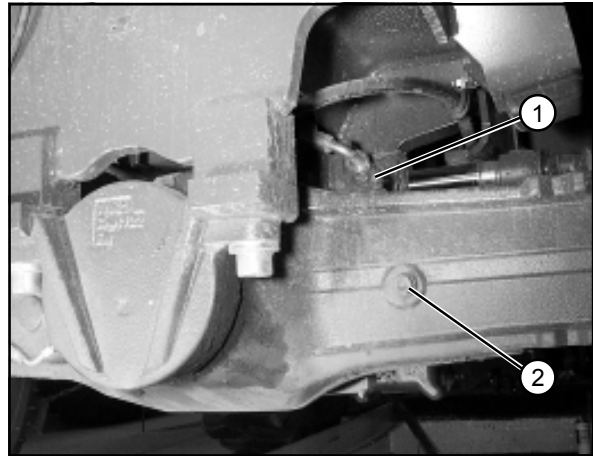


Figure 8-18

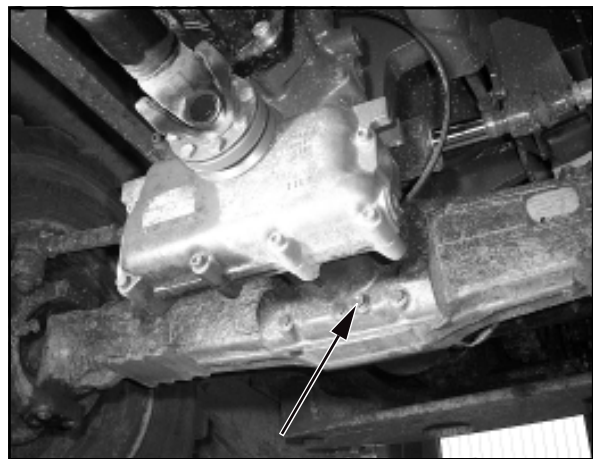


Figure 8-19

8.2.7.2 Planetary gear

- (1) Move the loader so that the plug (8-20/arrow) is positioned at 6 o'clock.
- (2) Place an oil drain vessel with a drain channel underneath the gear.
- (3) Unscrew the drain plug and let the oil drain out.



CAUTION

Waste oil must be disposed of in such a way that it will not cause pollution!



Figure 8-20

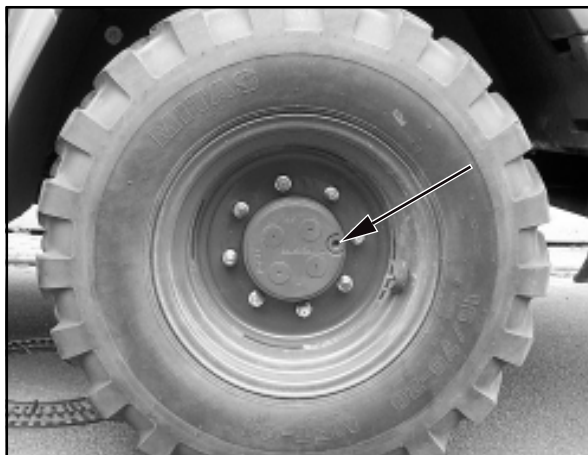


Figure 8-21

(4) Move the loader until the marking line "OIL LEVEL" is horizontal and the plug is located above the top left of the marking line (8-21/arrow).

(5) Fill in oil via the plug bore until the oil level reaches the opening.

(6) Use a new gasket when screwing the plug back in.

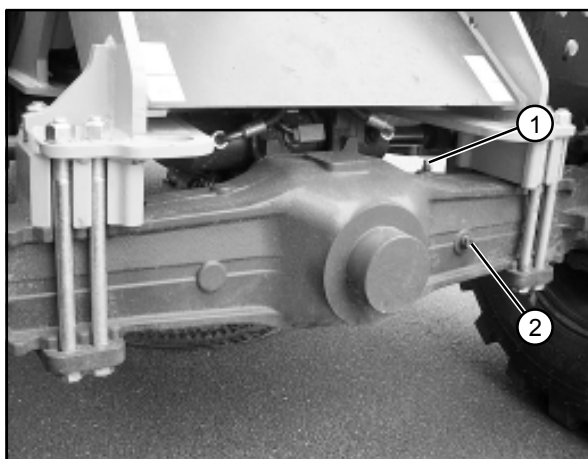


Figure 8-22

8.2.7.3 Front axle

(1) Place a sufficiently large oil drain pan underneath.

(2) Unscrew the plugs from the axle arch (8-22/arrows and 8-23/arrow) and drain the oil.



CAUTION

Waste oil must be disposed of in such a way that it will not cause pollution!

(3) Screw in the plug (8-23/arrow) again.

(4) Fill in oil via the plug bore (8-22/2) until the oil level reaches the opening.



NOTE

- Information about the quantity of oil is given in the maintenance plan (chapter 8.4).
- After a few minutes, when the oil level has lowered, top up the oil until the oil reaches the marked level and remains stable.
- The vent valve of the axle (8-22/1) must be free from dirt.

(5) Screw in the plug (8-22/2) again.

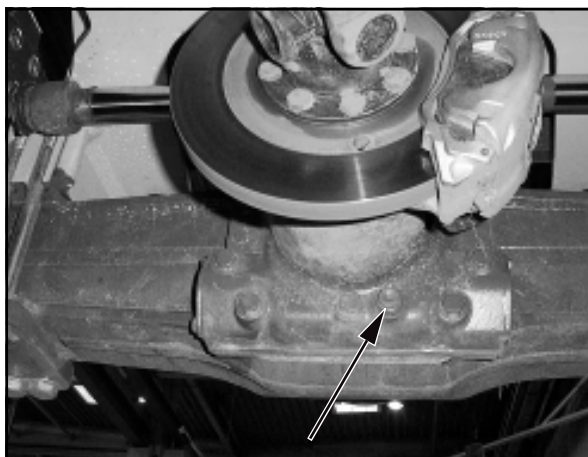


Figure 8-23

8.2.7.4 Oil change, ancillary/distribution gear

- (1) Place a sufficiently large oil drain pan underneath.
- (2) Unscrew the plugs from the gear case (8-24/1 and 8-24/2) and drain the oil.



CAUTION

Waste oil must be disposed of in such a way that it will not cause pollution!

- (3) Screw in the plug (8-24/2) again with a new gasket.
- (4) Fill in oil via the plug bore (8-24/1) until the oil level reaches the opening.



NOTE

- Information about the quantity of oil is given in the maintenance plan (chapter 8.4).
- After a few minutes, when the oil level has lowered, top up the oil until the oil reaches the marked level and remains stable.
- The vent valve of the axle (8-25/arrow) must be free from dirt.

- (5) Screw in the plug (8-24/1) again with a new gasket.

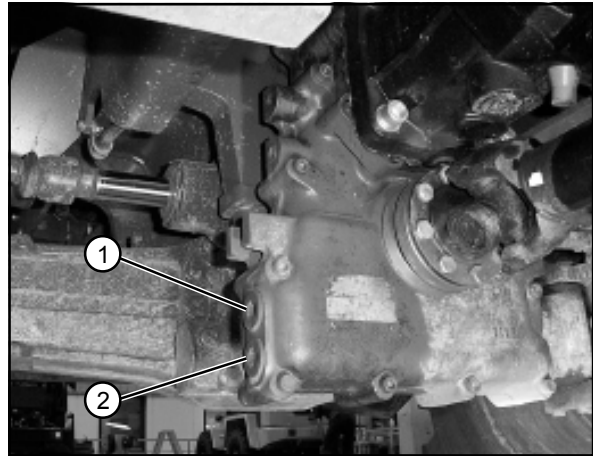


Figure 8-24

8.2.8 Oil change, hydraulic system

- (1) Have an oil drain pan ready (for the minimum size, refer to section 11.1.11 or 11.2.11).
- (2) Unscrew the covering flap of the oil drain plug (8-26/arrow).



CAUTION

The oil will flow out of the hydraulic oil tank immediately when you open the oil drain screw if there is no safety oil drain screw with cap.

- (3) Screw the drainage nozzle with hose from the tool box (4-1/13) to the oil drain plug.
- (4) Remove the cover cap from the hose.
- (5) Drain the oil into the oil vessel.



CAUTION

Waste oil must be disposed of in such a way that it will not cause pollution!

- (6) Remove the nozzle with the hose and replace the cover cap on the hose.
- (7) Screw the covering plate onto the oil drain plug.

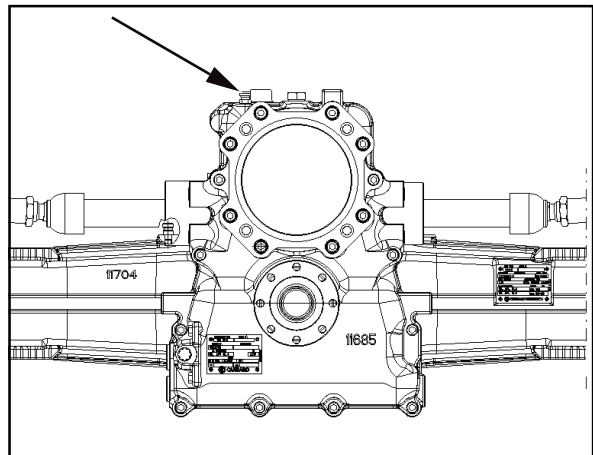


Figure 8-25

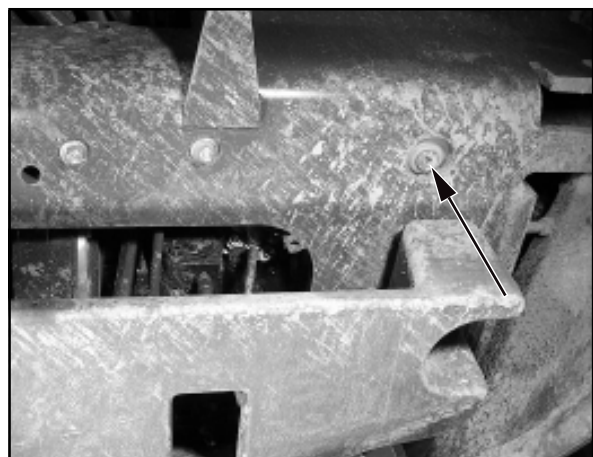


Figure 8-26

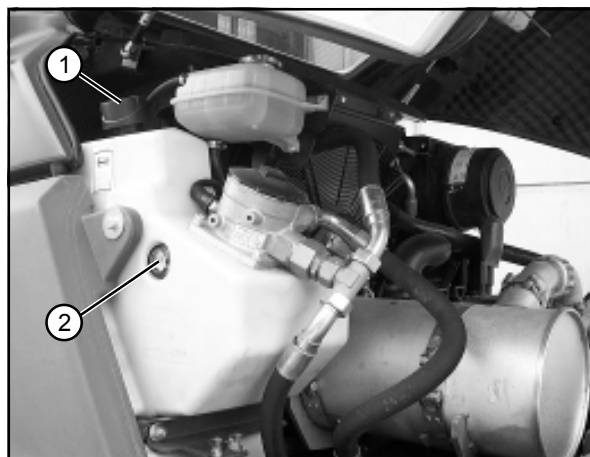


Figure 8-27

(8) Change the hydraulic oil filter cartridge (section 8.2.9).

(9) Fill oil into the filler neck (8-27/1).



CAUTION

For loaders which are fitted to run with biodegradable hydraulic oil (ester-based synthetic hydraulic oil of viscosity class ISO VG 46 VI > 180) - (designation can be found on the hydraulic oil reservoir and on the dashboard), only this type of oil may be used for oil changes.

Mineral and biodegradable hydraulic oils must **never** be mixed!

Biodegradable hydraulic oil must be changed every **1000 operating hours**.

Changing the oil type from mineral oil to biodegradable oil must be performed according to the VDMA 24 569 conversion guidelines.

(10) Check the oil level at the sight glass (8-27/2).

(11) Close the filling nozzle.

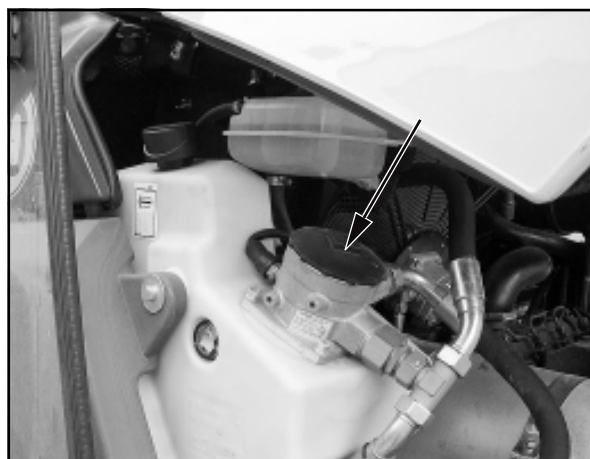


Figure 8-28

8.2.9 Changing the hydraulic oil filter insert



CAUTION

Replace the filter insert according to the maintenance plan or when the clogging indicator lamp (4-14/13) lights up.



NOTE

The clogging indicator may light up prematurely after a cold start. It will go out when the hydraulic oil warms up.

(1) Open the motor hood.

(2) Unscrew the lid of the hydraulic oil filter (8-28/arrow or 8-29/1).

(3) Pull out filter separator disc (8-29/3) with attached filter cartridge (8-29/5) and filter bowl (8-29/6) by carefully turning back and forth.



CAUTION

- Collect any hydraulic oil that drains or drips off when you lift out the separator disc and the filter cartridge.
- The used hydraulic oil filter cartridge and the O-rings must be disposed of in an environmentally compatible manner.

(4) Disassemble removed unit into filter separator disc, filter cartridge and filter bowl.

(5) Clean housing, filter cover, filter separator disc and strainer basket (if present).

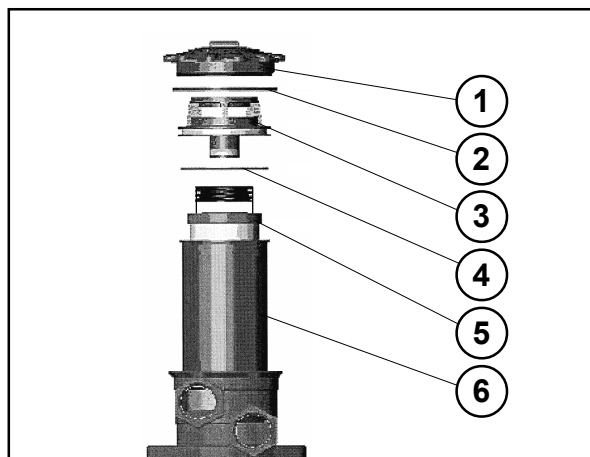


Figure 8-29

(6) Check filter for mechanical damage, in particular sealing surfaces and threads.

(7) Apply a thin coat of clean operating fluid on sealing surfaces, threads and O-rings if necessary.

(8) Check whether the designation of the new filter matches that of the old one before installing the filter.

(9) Assemble filter separator disc, filter cartridge and filter bowl to form one unit. Replace the O-ring (8-29/4) with a new one.

(10) Install filter separator disc with filter cartridge and filter bowl by slightly turning it back and forth.

(11) Screw on the hydraulic filter lid with a new O-ring (8-19/2).

(12) Close the motor hood.

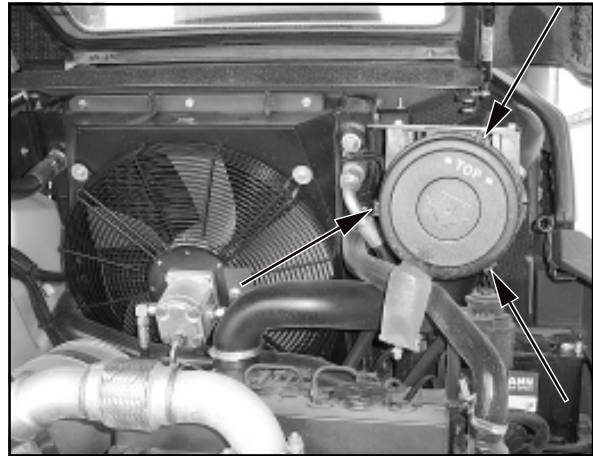


Figure 8-30

8.2.10 Maintaining/replacing the air filter



NOTE

The filter cartridge needs to be maintained when the "air filter clogging indicator" (4-14/15) lights up, but at the latest after 12 months.

(1) Open the motor hood.

(2) Loosen the three spring-loaded catches on the air filter lid (8-30/arrows) and remove the air filter lid.

(3) Pull out the filter cartridge (8-31/arrow) by carefully turning it back and forth.

(4) Clean the filter cartridge.

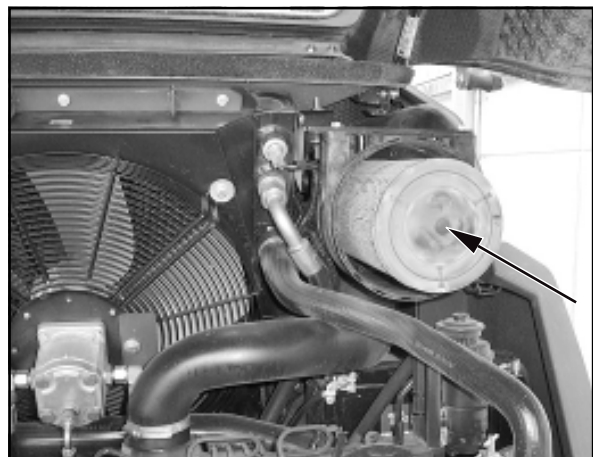


Figure 8-31



CAUTION

- For cleaning, use a compressed air gun to which a pipe (angled at 90°) has been attached. The pipe must be sufficiently long to reach the bottom of the cartridge. Use dry compressed air of no more than 5 bar to blow out the cartridge by moving the pipe back and forth in the interior of the cartridge. Cleaning can be stopped when dust formation ceases.
- Do not use petrol or hot liquids for cleaning.

(5) Use a hand-held lamp to check the cartridge paper and the rubber gasket of the filter cartridge for damage. If the cartridge or the gasket is damaged, replace the cartridge.

(6) Carefully insert the filter cartridge.



Figure 8-32

(7) Install the air filter lid on the filter housing in such a way that the direction arrow in the marking „OBEN-TOP“ roughly points to half past one.



NOTE

The dust removal valve must be checked from time to time and cleaned if necessary.



CAUTION

Check all connection pipes and hoses of the air filter system for damage before starting the engine.

8.2.11 Replacing the safety cartridge



CAUTION

- The safety cartridge must not be cleaned.
- The safety cartridge must be replaced after the filter cartridge has been maintained/cleaned 5 times, but no later than after two years.
- Make sure that no dirt or dust can enter the filter housing during replacement of the safety cartridge.



Figure 8-33

(1) Remove the filter cartridge (section 8.2.10).

(2) Pierce the seal of the safety cartridge (8-32/arrow) from the inside by using a screwdriver or similar tool and pull up both strips.

(3) Hold the safety cartridge by both strips and pull it out by carefully turning it back and forth. Replace the safety cartridge and the filter cartridge by new ones.

(4) The remaining assembly is performed as described in section 8.2.10 (6) and (7).

8.2.12 Replacing the starter battery



NOTE

The starter battery is a maintenance-free part according to DIN 72311, section 7. It is located to the right in the motor compartment.

(1) Open the motor hood.

(2) Remove the main battery switch (8-34/arrow).

(3) Loosen and remove the fastening screw (size 17) (8-33/arrow) of the battery holder.

(4) Loosen and remove the battery clamps (size 13).

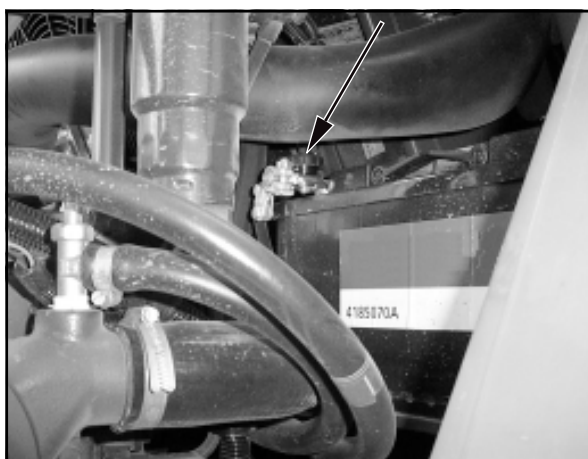


Figure 8-34



DANGER

Always remove the negative terminal first and then the positive terminal. Installation is in reverse order.

8 Maintenance

- (5) Remove the battery and replace it.
- (6) Apply grease to the terminals before fastening them.
- (7) Installation is in reverse order.



DANGER

Make sure the fastenings are secure.

- (8) Close the motor hood.

8.2.13 Checking/topping up the brake fluid level



CAUTION

- The fluid level of the brake hydraulic oil must reach the "maximum line" (8-35/arrow) of the compensation tank.
- When topping up brake hydraulic oil, use only hydraulic oil acc. to „DIN 51524 HVL P 46“ of viscosity class „ISO VG 46, VI > 180“.



NOTE

The compensation tank for the brake hydraulic oil (8-35/arrow) is located in the engine compartment on the left side of the vehicle.

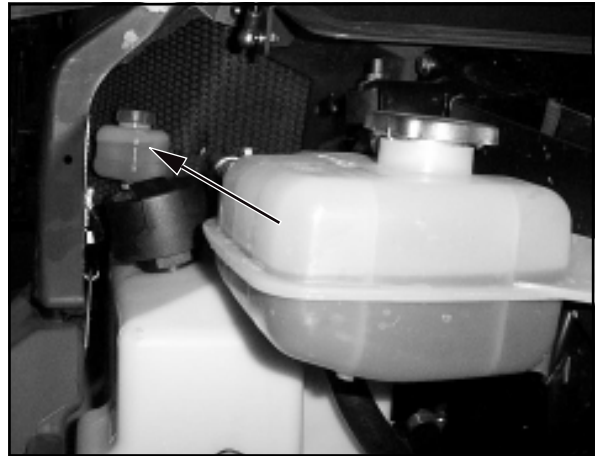


Figure 8-35

8.3 Grease lubrication points

8.3.1 bucket assembly



CAUTION

The bearing bolts/grease nipples of the bucket assembly (8-36 thru 8-41) must be greased **every 10 operating hours**.

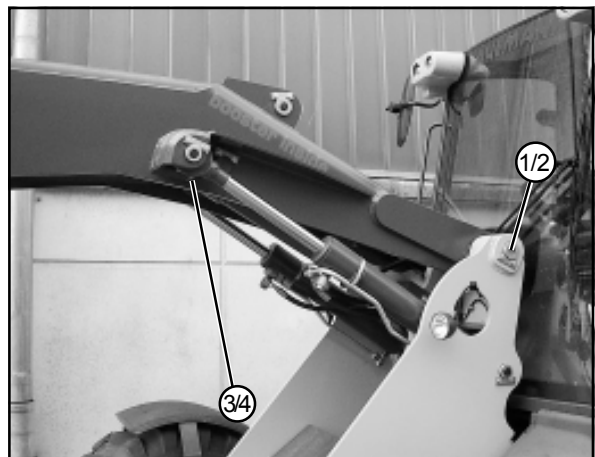


Figure 8-36

- Items 1 + 2 Chassis/bucket assembly
Item 3 + 4 Piston side of lift cylinder

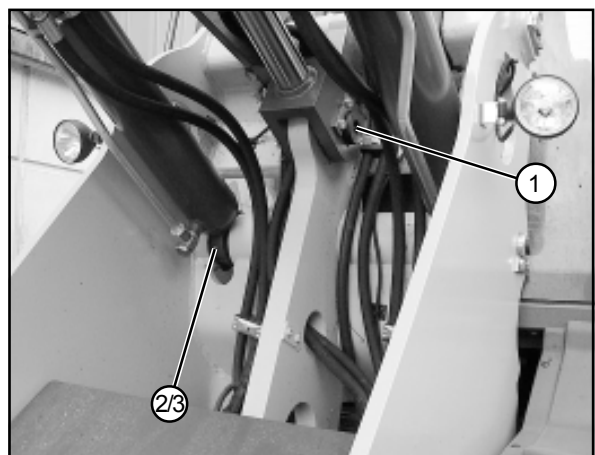


Figure 8-37

- Item 1 Piston side of compensation cylinder
Item 2 + 3 Bottom of lift cylinder



Bottom of compensation cylinder

Figure 8-38



Piston side of tip cylinder

Figure 8-39



Bottom of tip cylinder

Figure 8-40

8 Maintenance

- Item 1 + 2 Tip lever / quick-change device
Item 3 + 4 Quick-change device/bucket assembly
Item 5 Bucket assembly/deflection lever
Item 6 Pivot arm/tip lever

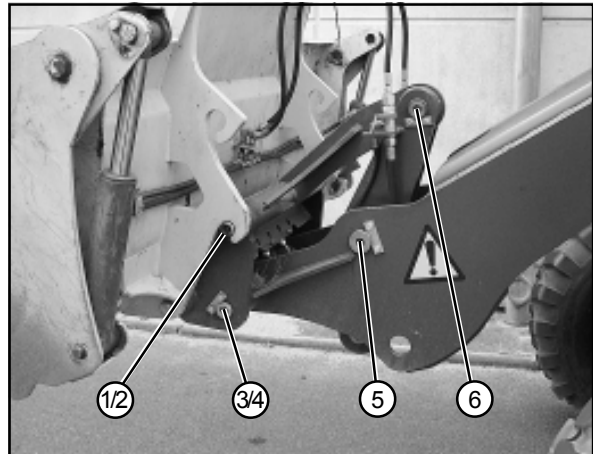


Figure 8-41

8.3.2 Rear axle



CAUTION

The spindle bolts must be lubricated every **10 operating hours**.



NOTE

Lubricate the top and the bottom of the axle spindle bolts on both sides of the axle (8-42/ arrows).

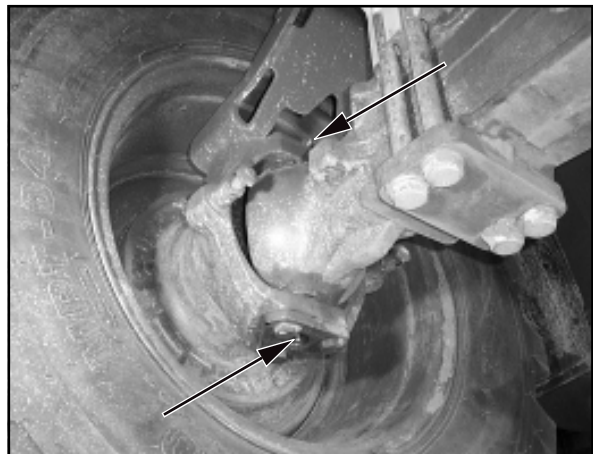


Figure 8-42

8.3.3 Rear axle pivot bolts



CAUTION

- The rear axle pivot bolt (8-43/arrows) must be lubricated **every 10 operating hours or every week**.
- Release the rear axle from load before lubricating the rear axle pivot bolts.

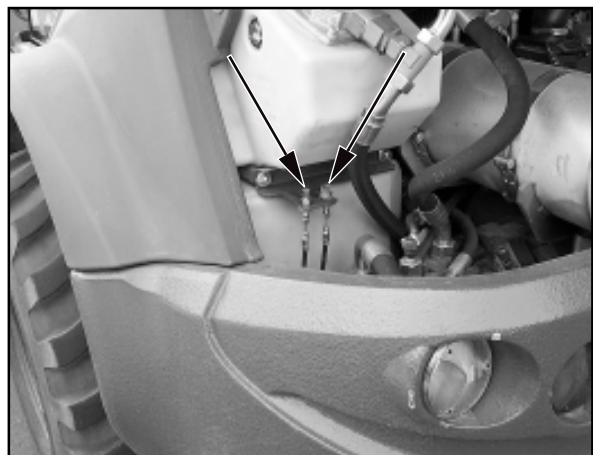


Figure 8-43



Figure 8-44

8.3.4 Front axle



CAUTION

The spindle bolts must be lubricated every 10 operating hours.



NOTE

Lubricate the top and the bottom of the axle spindle bolts on both sides of the axle.

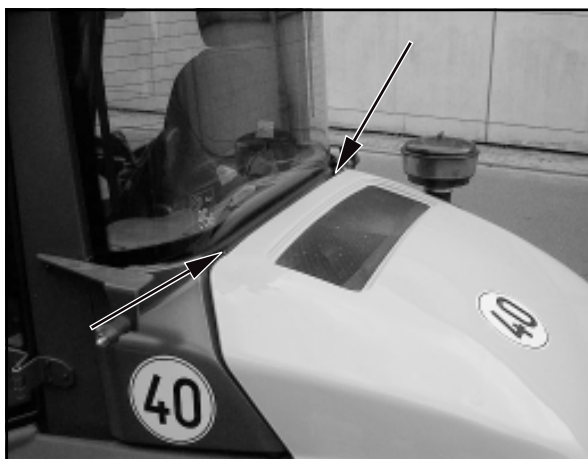


Figure 8-45

8.3.5 Engine hood



CAUTION

The hinges of the engine hood must be lubricated every 50 operating hours.

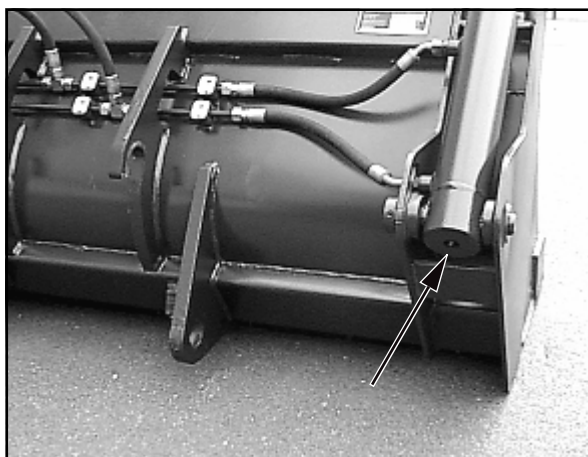


Figure 8-46

8.3.6 Multi-purpose bucket



CAUTION

The bearing bolts of the multi-purpose bucket must be lubricated every 10 operating hours.



NOTE

- The bolt (8-46/arrow) must be lubricated on both sides of the multi-purpose bucket.
- The bolts (8-47/arrows) must be lubricated on both sides of the multi-purpose bucket.

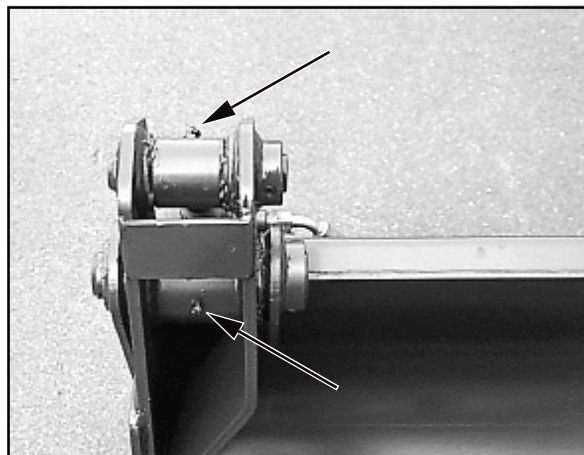


Figure 8-47