2 Technical data

2.1 Chassis

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3.2 Maintenance plan DT10

Work description

For servicing and maintenance on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.

	Maintenance plan/operating hours (o/h)						
	Service work (daily)	Once a month or after 50 o/h	Every 6 months or after 250 o/h	Every 12 months or after 500 o/h	Every 3 years and/- or after 1000 o/h	Customer	Service center service center
Fluid and filter changes ( ):							
Perform the following oil and filter changes (check oil levels after test run):							
• Engine oil[1]		●	●			●	
• Engine oil filter[2]		●	●			●	
• Replace the fuel filter element[3]		●	●			●	
• Replace the air filter element				●		●	
• Hydraulic oil filter insert [4]		●	●			●	
• Cartridge of hydraulic oil intake filter					●	●	
• Hydraulic oil					●	●	
• Coolant					●	●	
• Replacing fan belts					●		●
Inspection work ( ):							
Check the following material. Refill if necessary:							
Check injection setting				●			●
Check and adjust injection time [5]					●		●
Clean and adjust the fuel injection pump [6]					●		●
Check and adjust the injection pressure of the injection nozzles, clean the injection needles/nozzles					●		●
Check/set the maximum engine speed				●			●
Clean the filter cup			●			●	
Check condition and injection of fuel injection nozzle				●			●
Check the fuel level, add 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 the exhaust system for damage and condition	●					●	
Intake and exhaust valve clearance				●			●
Check battery electrolyte. Add distilled water if necessary		●		●			●
Check alternator, starter and electric connections, bearing play and function				●			●

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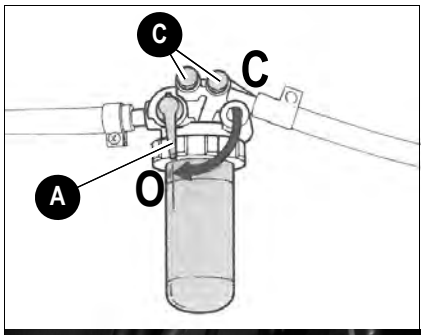
Bleeding the fuel system

Danger!

If fuel comes into contact with hot engine parts or the muffler, there is an increased

Fire hazard!

☞ *Never bleed the fuel system if the engine is hot!*



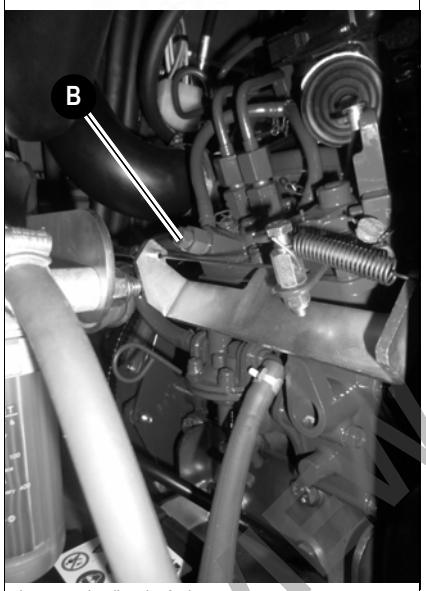


Fig. 36: Bleeding the fuel system

Bleed the fuel system in the following cases:

- After removing and fitting the fuel filter, prefilter or the fuel lines back on again
- After running the fuel tank empty
- After running the engine again, after it has been out of service for a longer period of time.

☞ *Bleed the fuel system as follows:*

☞ Park the vehicle on level and horizontal ground

☞ Stop the engine

☞ Fill the fuel tank

☞ Open fuel filter valve **A** by turning the lever to the bottom onto **O**

☞ Loosen the drain plugs of fuel filter **C**

☞ Retighten drain plugs **C** as soon as there is no more air

☞ Actuate manual pump **B** of the fuel feed line

➥ until fuel comes out of the filter without any air

☞ Tighten screw **C** again with a suitable tool

☞ Loosen drain plug **B** above the fuel injection pump with a suitable tool

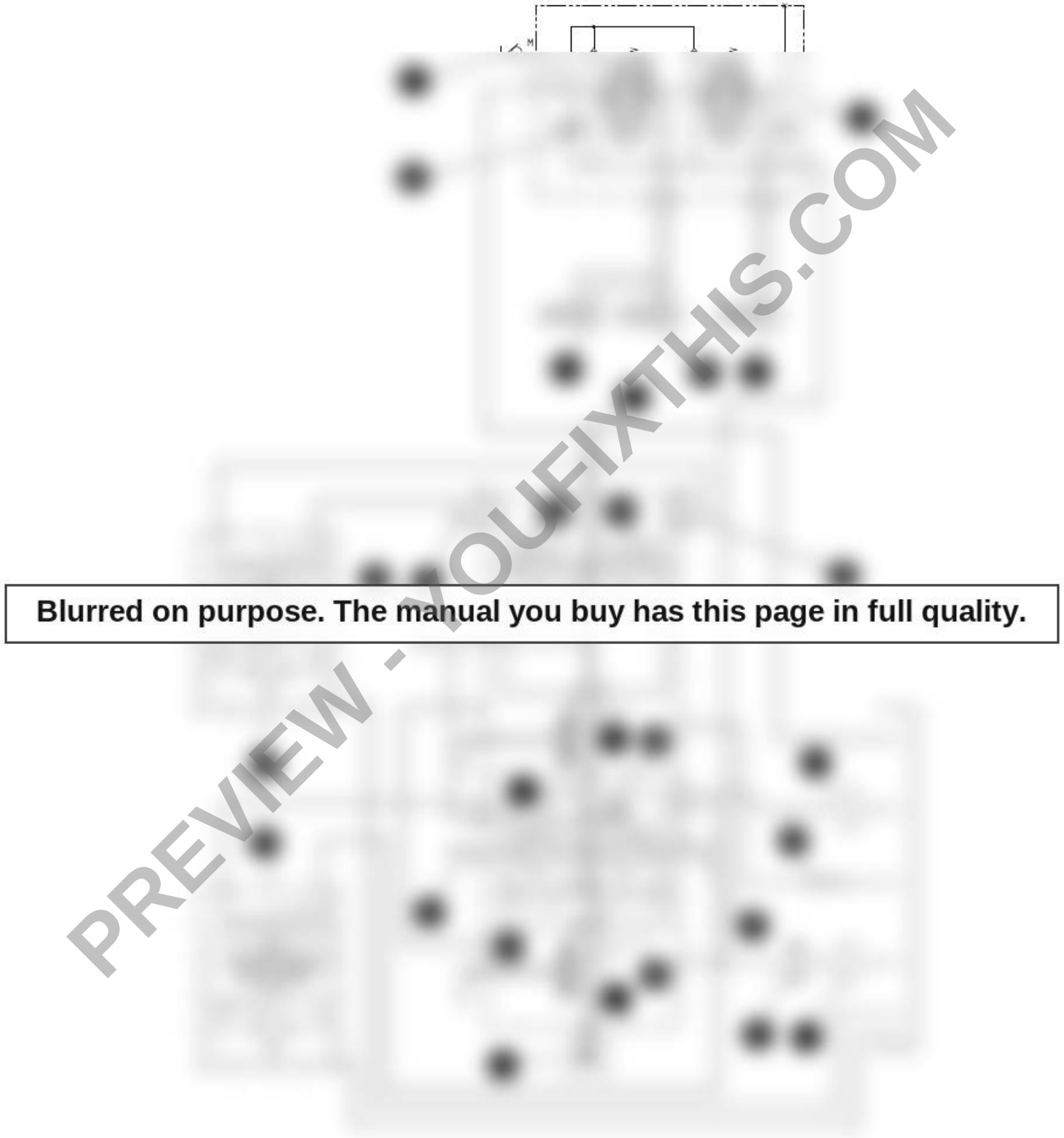
☞ Retighten drain plug **B** as soon as there is no more air

☞ Starts the engine

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6.8 Hydraulics diagram DT10 with skip and loader unit (option)

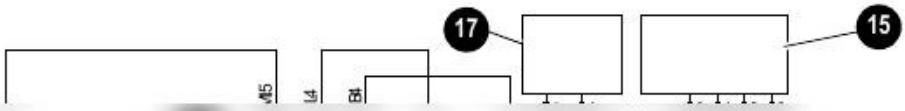


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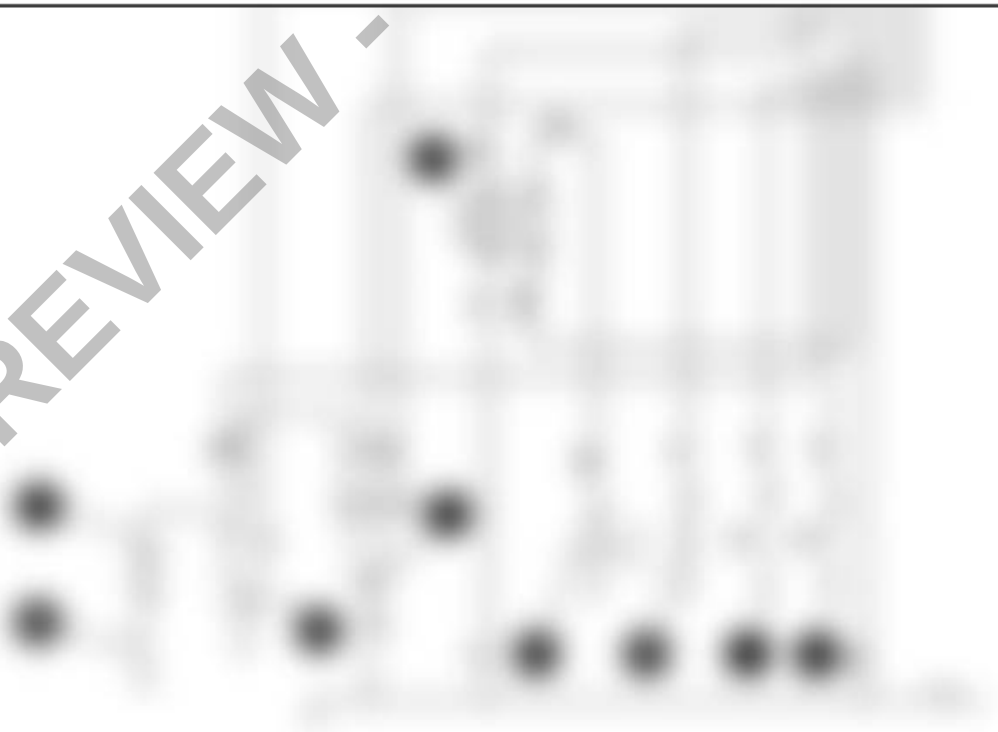
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7.5 DT10 diagram





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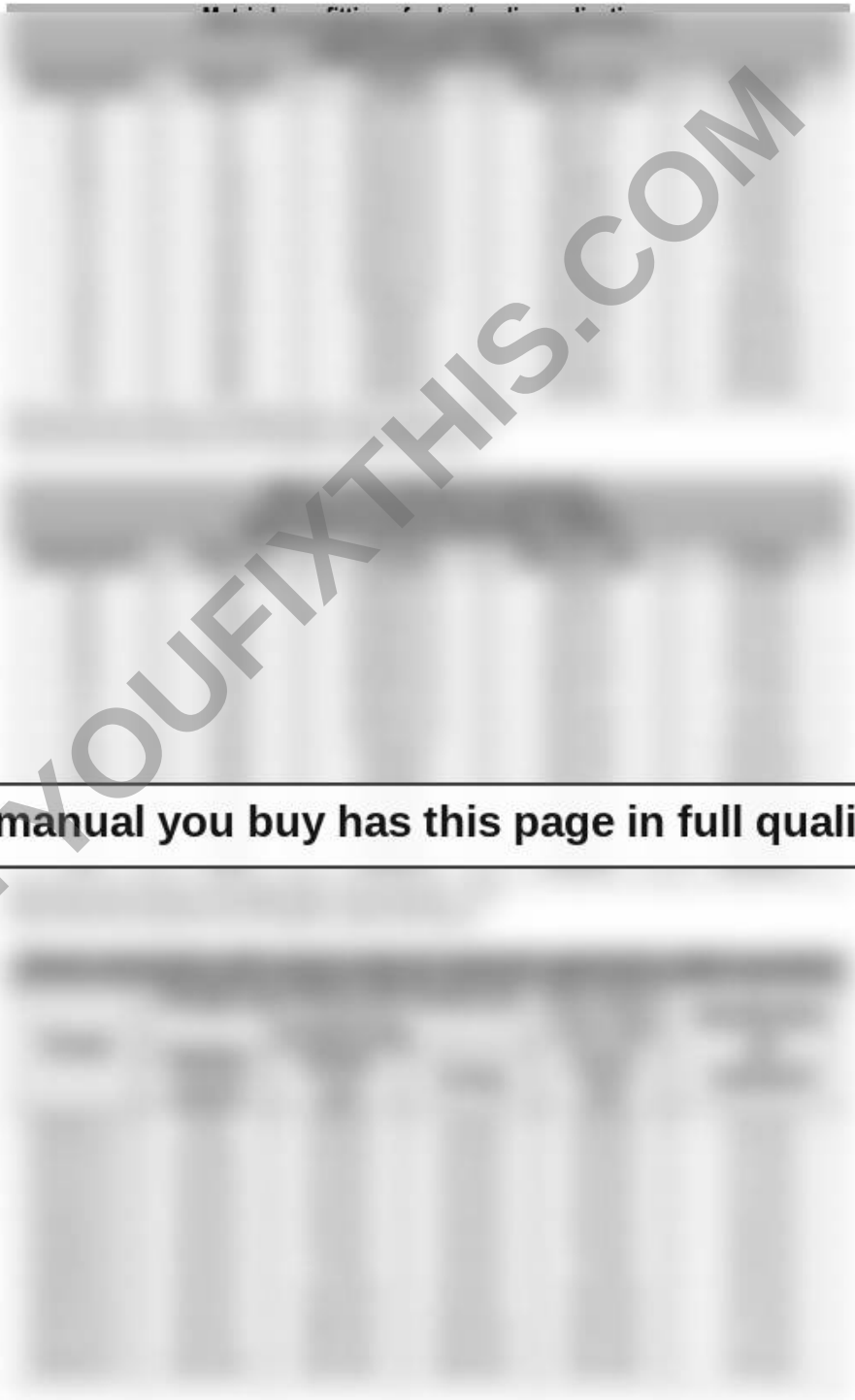


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2.24 General tightening torques

Tightening torques for hydraulic screw connections (dry assembly)



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2.5 Travel gear

Chassis	Model DT10
Max. travel speed	4.0 km/h

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3.5 Engine lubrication system

Caution!

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

Engine damage and loss of output!

☞ *Have the oil changed by a Wacker Neuson service center*
– see chapter 3.2 Maintenance plan DT10 on page 3-2

Checking the oil level

The oil dipstick is located on the left side of the engine.

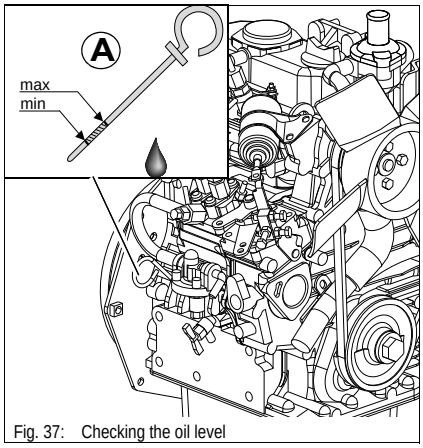


Fig. 37: Checking the oil level

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

☞ *Perform the starting aid as follows:*

- Park the vehicle on level ground

➥ Max. inclination about 5°

- Stop the engine!
- Let the engine cool down
- Open the engine cover
- 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

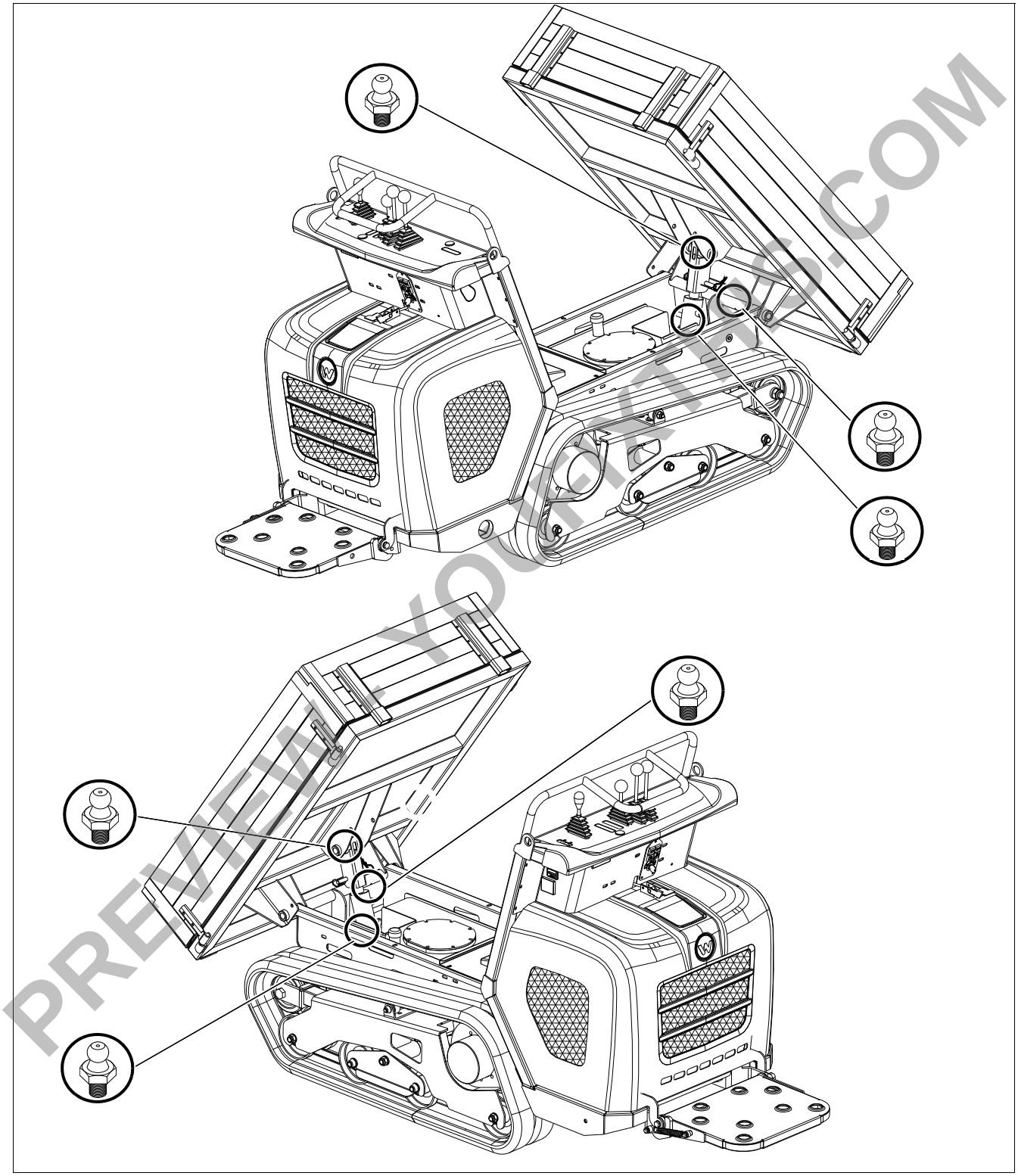
☞ *However, if need be add oil when the oil level has reached the MIN mark on the oil dipstick **A***

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3.13 Overview of grease nipples DT10 with front skip (option)

Always install the red maintenance prop before performing maintenance work with a raised or tilted-out skip – *see* ***Maintenance prop*** on page 1-10



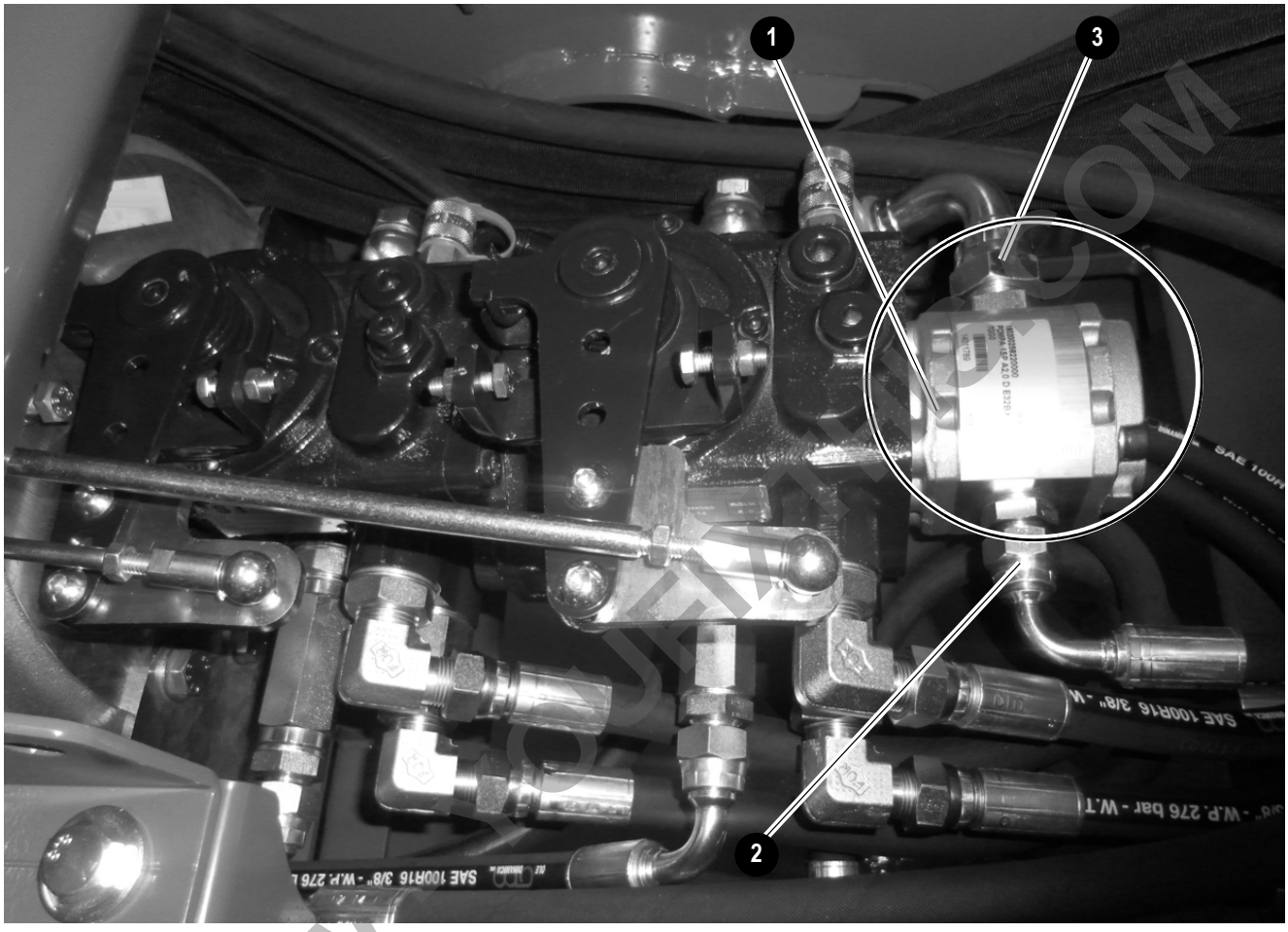
Apply multipurpose lithium grease with an MoS^2 additive to all grease nipples indicated.

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6 Hydraulic system

6.1 Gear pump for functions DT10



Item	Designation
1	Gear pump 2.0 cm³ for work operation
2	Pressure side gear pump for work hydraulics
3	Suction side of the gear pump for work hydraulics

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