2 Technical data

2.1 Chassis

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3.9 Maintenance plan DT15

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 insert				●		●	
• Hydraulic oil filter insert [4]		●	●			●	
• Cartridge of hydraulic oil intake filter					●	●	
• Hydraulic oil					●	●	
• Traveling drive oil					●	●	
• Coolant					●	●	
• Replacing fan belts					●		●
Inspection work ( ):							
Check the following material. Refill if necessary:							
• Check the fuel level, add fuel	●					●	
• Engine oil	●					●	
• Hydraulic oil	●					●	
• Coolant	●					●	
Check hydraulic oil radiator for dirt, clean if necessary	●					●	
Check cooling systems, hoses for leaks and pressure (visual check)	●					●	
Air filter (damage)	●					●	
Clean the filter cup			●			●	
Check injection condition of fuel injection nozzle					●		●
Check injection setting					●		●
Check the fuel injection pump					●		●

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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!*

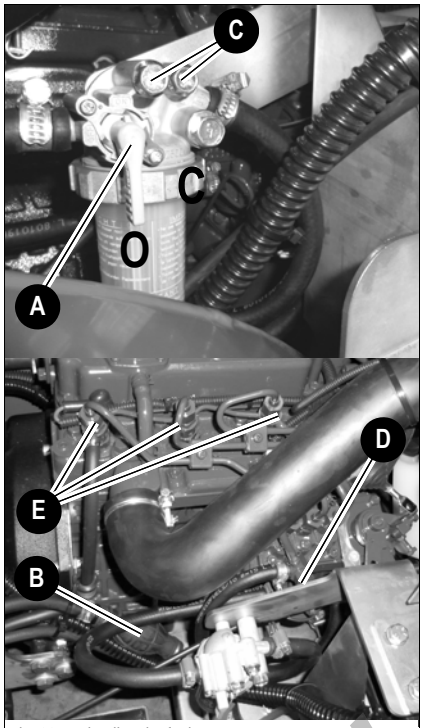


Fig. 28: Bleeding the fuel system

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 cock **A** by turning the lever down to **O**.

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

☞ 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

☞ Drain plug **D** above the fuel injection pump using a suitable device

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

➥ until fuel comes out of the prefilter without any air

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

☞ Starts the engine

➥ If the engine runs smoothly for a while and then stops, or if it does not run smoothly:

☞ Stop the engine

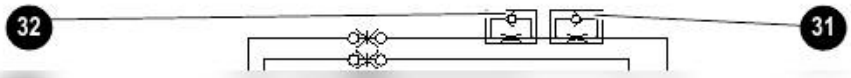
☞ Bleed the fuel system again as described previously and bleed also the injectors; loosen the screws **E**

☞ Have a check performed by authorized personnel if necessary.

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6.11 Hydraulics diagram DT15 with swivel skip and hydraulic PTO shaft (option)

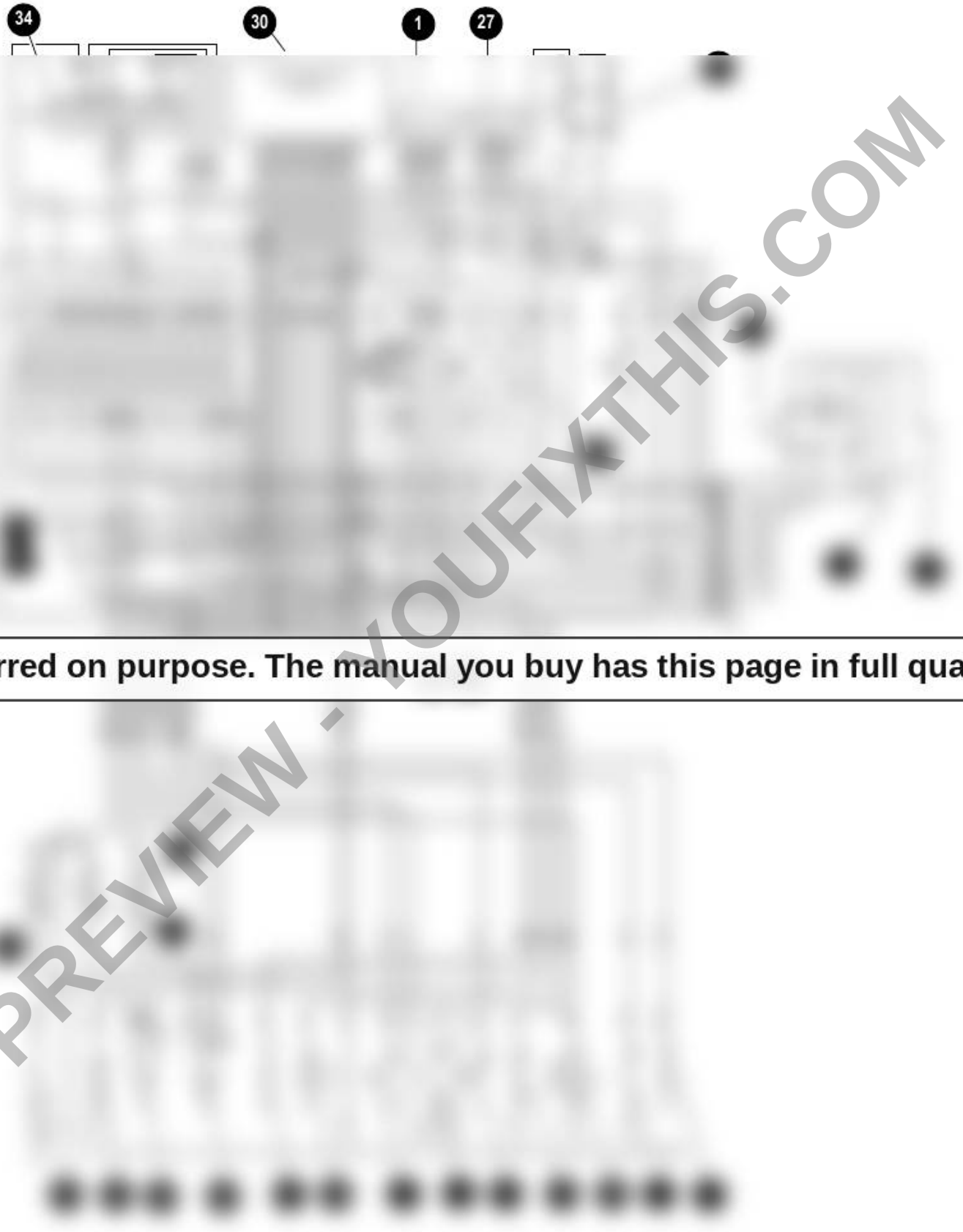


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7.5 DT15 diagram



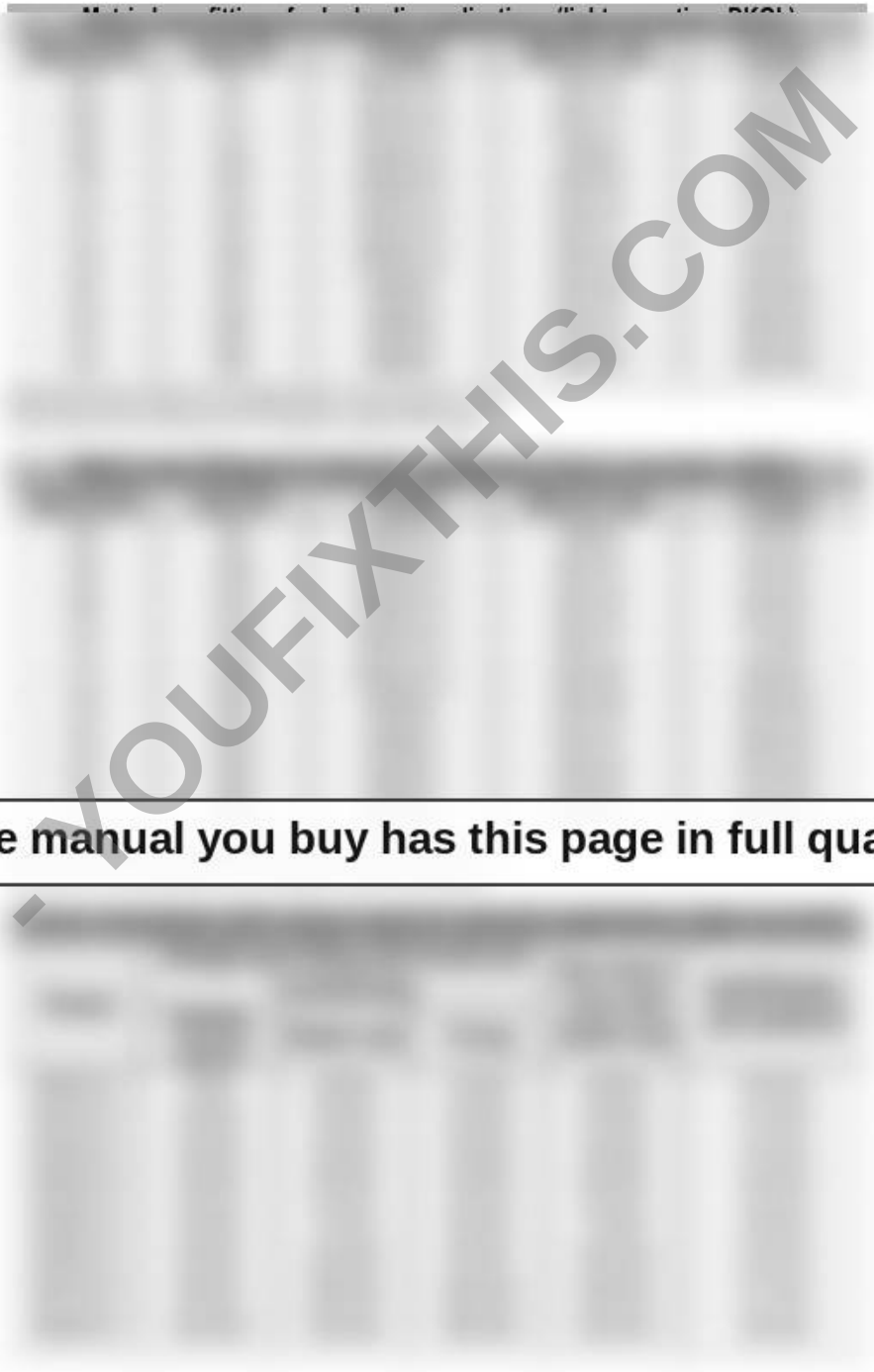
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2.23 General tightening torques

Tightening torques for hydraulic screw connections (dry assembly)



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2.20 Dimensions model DT15 with earth-movement skip (option)

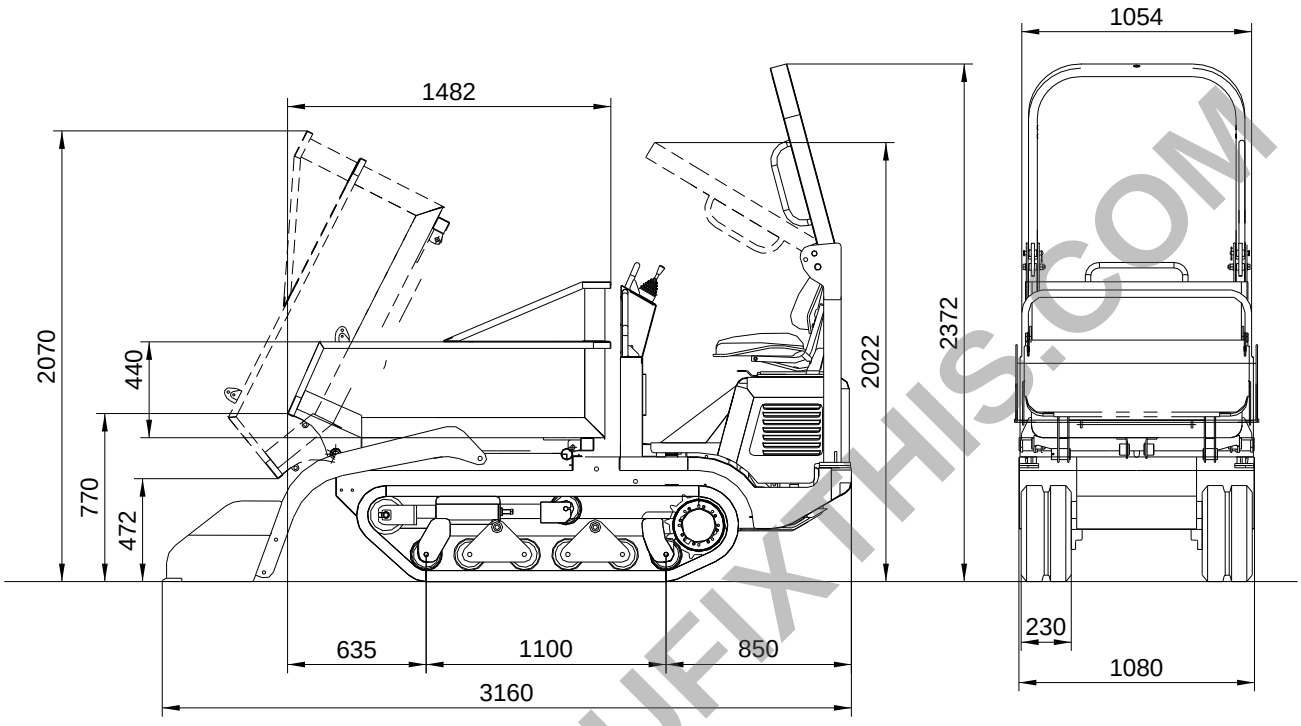


Fig. 17: Machine dimensions (model DT15 with earth-movement skip)

Main data	Model DT15
Payload	1500 kg
Dead weight incl. skip and loader unit	1390 kg
Length indications	3160 mm
Width	1080 mm
Height	2372 mm
Track width	230 mm
Skip height	770 mm
Skip length	1482 mm
Skip width	1054 mm
Skip depth	440 mm

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Checking the coolant level

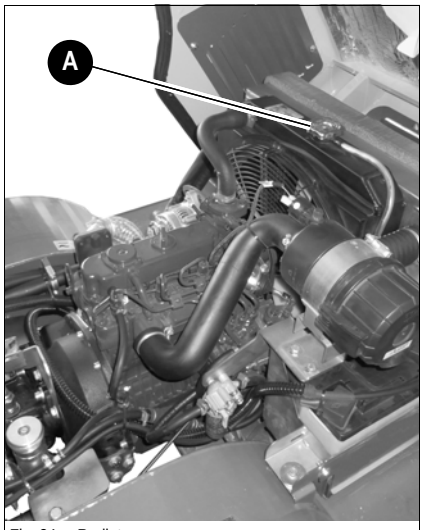


Fig. 34: Radiator

☞ *Proceed as follows:*

- Park the vehicle on level ground
- Stop the engine!
- Remove the key and carry it with you
- Let the engine and the coolant cool down
- Open the engine cover
- Check whether the coolant level reaches filler inlet ***A***

☞ If the coolant level does not reach the filler inlet of the radiator:

- Adding coolant

Notice!

Check the coolant level once a day.
We recommend checking it before starting the engine.

Adding coolant

After the engine has cooled down:

☞ *Release overpressure in the radiator*

☞ *Carefully open the cap to the first notch and fully release the pressure*

☞ *Filler cap* ***A***

☞ *Add coolant to the lower edge of the filler inlet (radiator)*

☞ *Close filler cap* ***A***

☞ *Start the engine and let it warm up for about 5 – 10 minutes.*

☞ *Stop the engine*

☞ *Remove the key and carry it with you*

☞ *Let the engine cool down*

☞ *Check the coolant level again*

➥ The coolant level must be *in the lower corner of the filler inlet (radiator)*

☞ *If necessary, add coolant and repeat the procedure until the coolant level remains constant*

Notice!

Check the antifreeze every year before the cold season sets in

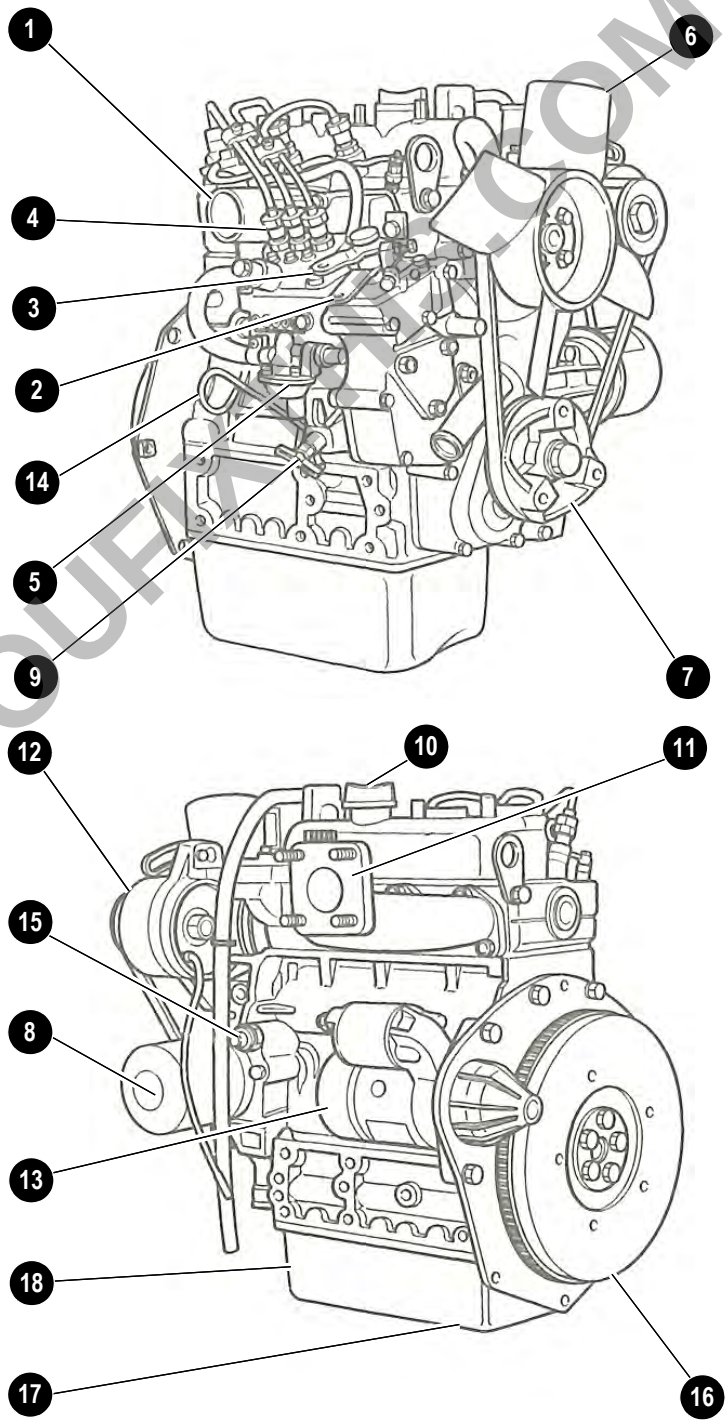
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4 Engine

4.1 Engine overview

1 Intake pipe
2 Speed regulation lever
3 Engine stop lever
4 Fuel injection nozzle
5 Fuel pump
6 Fan
7 Fan drive belt
8 Oil filter insert
9 Coolant drain cock
10 Filler opening cover
11 Exhaust pipe
12 Alternator
13 Starter
14 Oil level gage
15 Oil filter
16 Flywheel
17 Oil drain plug
18 Oil sump



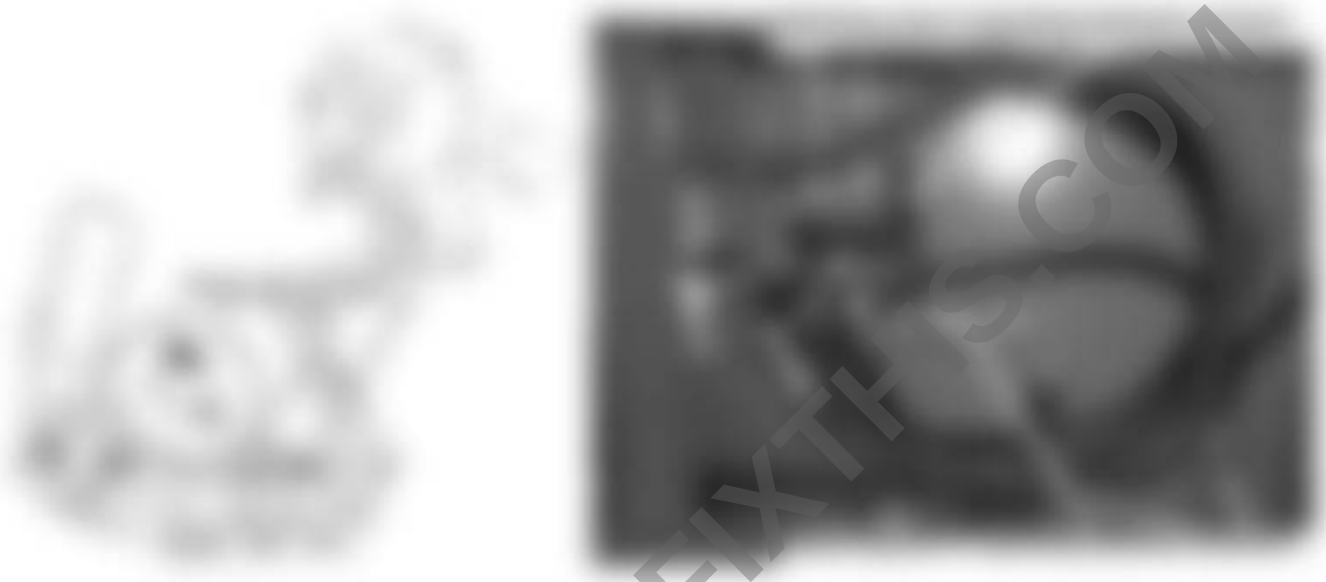
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Checking the operating pressure of the operating hydraulics DT15 with high-tip skip (option), loader unit (option)

Tools required:

- 1 x pressure gauge 200 bar



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