L Series 580 and 590 Loader Backhoes

Operator's Manual

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Reprinted

CASE CONSTRUCTION

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Operating the auxiliary tool with the control pedal

NOTE: *Make sure the engine speed corresponds to the recommended flow rate.*



CD96N053

Tilt the control switch by pressing it to the left-hand (OFF) position.



CD96E035

Tilt the control lever forwards and lock it in this position with the locking latch (1).

NOTE: *Some tools are designed to function in one direction only. It is essential to connect these tools to the male coupler, to ensure that they only function when the control lever is pushed forward.*



CD96E029

Press the control pedal down to operate the tool.

When the tool is no longer required, unlock the lever by means of the locking latch so as to bring the lever into neutral position.

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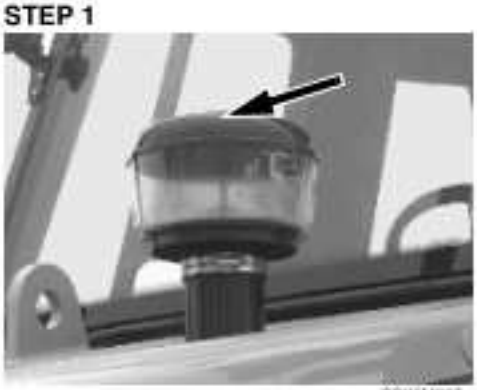
Service specifications

Pre-filter maintenance ..... Regularly check and clean the bowl
Primary element maintenance ..... Clean or replace
When the warning lamp on the instrument panel comes on
Primary element replacement ..... Every year
or after six cleanings
Secondary element replacement ..... Once a year
or after cleaning the primary element three times

IMPORTANT: *Carefully observe the air filter service intervals. The life of the engine depends on the cleanliness of the air filter.*

Cleaning the pre-filter

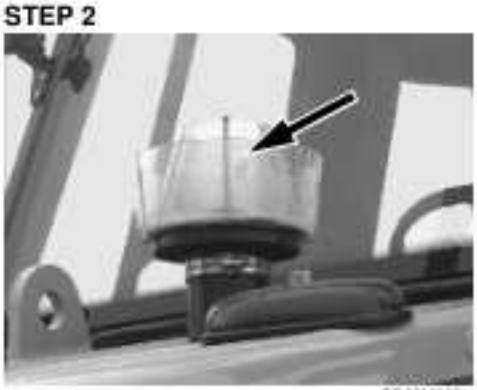
STEP 1



CD05M007

Unscrew the knurled nut or the wing-nut and remove the cover.

STEP 2



CD05M005

Remove and clean the bowl with a clean cloth.

STEP 3

Install the bowl and the cover and tighten the nut.

Removing the elements

STEP 1



CD39K048

Raise the loader attachment, stop the engine, remove the starter switch key and install the support strut.

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HYDRAULIC SYSTEM (580LE and 580LXT types)

Pump

Two-body gear pump mounted on the end of the crankshaft.
Flow .....108 L/min at 2200 rpm (210 bar)

Control valves

Open centre, modular type.

Loader attachment

3 separate control valve sections, one single cross-pattern control lever with floating position and automatic bucket return-to-dig.
Lever for 4-in-1 bucket control or for optional equipment, common with the loader attachment control lever (if equipped).
Maximum working pressure ..... 210 bar

Backhoe attachment (580LE type)

6 separate control valve sections as standard, 7th section for optional equipment.
2 cross-pattern control levers.
Regeneration type hydraulic system (anti-cavitation).
Shock absorbers for offset cylinder end of stroke.
Maximum working pressure ..... 210 bar

Hydraulic reservoir

Sealed, self-pressurized.

Filtration

On return circuit, by 7 micron interchangeable cartridge-type filter.

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