SERVICE MANUAL

B95C / B95CTC / B95CLR / B110C
Tier 4
Loader Backhoe

Part number 84596886A
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NEW HOLLAND CONSTRUCTION

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B95C - B95CLR - B95CTC
B110C



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TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	ACTION
Wheel vibrations.	Incorrect installation.	Correct the installation.
	Axle faulty.	Inspect and repair the axle.
	Wrong weight distribution.	Distribute the weight differently.
	Overload.	Remove the excessive load.
	Incorrect tyre rotation radius.	Replace the tyre or adjust pressure on both tyres.
	Axle beam bent.	Replace the axle beam.
Tyre resistance.	Incorrect installation.	Correct the installation.
	Axle faulty.	Inspect and repair.
	Wrong weight distribution.	Distribute the weight differently.
	Overload.	Remove the excessive load.
	Incorrect tyre rotation radius.	Replace the tyre or adjust pressure on both tyres.
	Axle beam bent.	Replace the axle beam.
Broken axle shaft.	Incorrect installation.	Correct the installation.
	Axle faulty.	Inspect and repair.
	Wrong weight distribution.	Distribute the weight differently.
	Overload.	Remove the excessive load.
	Incorrect tyre rotation radius.	Replace the tyre or adjust pressure on both tyres.
	Axle beam bent.	Replace the axle beam.
Difficult steering; the machine travels in a straight line while steering.	Incorrect installation.	Correct the installation.
	Axle faulty.	Inspect and repair.
	Wrong weight distribution.	Distribute the weight differently.
	Overload.	Remove the excessive load.
	Incorrect tyre rotation radius.	Replace the tyre or adjust pressure on both tyres.
	Bent or broken axle shaft.	Replace the axle beam.

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TROUBLESHOOTING

PRELIMINARY CHECKS

When troubleshooting, the pressure and flow rate test must be carried out in a systematic manner and the results analyzed.

In this way, the trouble may be identified immediately and accurately.

If short-cuts, assumptions and guesses are made, unnecessary component disassembly or replacement could result.

Follow the step-by-step procedures outlined below.

As a first step in the fault finding procedure, several preliminary checks should be made.

These checks are important because, once they have been performed, they need no longer be considered as a possible cause of the immediate or reported malfunction.

Check that the hydraulic oil is at the correct level and of the correct specification.

Check the loader, backhoe or any additional accessory such as hydraulic bucket, hammers etc., for correct assembly or installation and additionally for signs of external damage that might cause gross misalignment of structural members.

Check in more detail for other mechanical damage such as kinked, twisted, worn or decayed hoses, damaged cylinders and bent elements.

Do not forget to check underneath the unit for damaged steel tubes, particularly if the unit has been known to have operated in arduous conditions, been grounded, or bogged down.

Ensure optimum operating temperature of the hydraulic oil is achieved.

Perform the system pressure and rear pump relief valve pressure tests.

The above-described preliminary checks assume that the failure is not linked to the engine performance.

Having performed these checks and failed to locate the cause of the malfunction, the following procedures should be adopted:

- if possible, operate the backhoe attachment and make notes of its operating characteristics. Move each cylinder control lever so that the cylinders move from the fully extended to the fully retracted position;
- compare the operating characteristics in the preceding stage with the malfunctions listed hereunder.

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LOADER BUCKET CYLINDER REMOVAL (B95CTC)

Move the machine to a level and firm ground.

Place the bucket firmly on the ground.

Relieve the residual pressure in the system by moving the loader control lever through all operating positions.

Support the cylinder using a sling and a suitable support.

Disconnect the hoses.

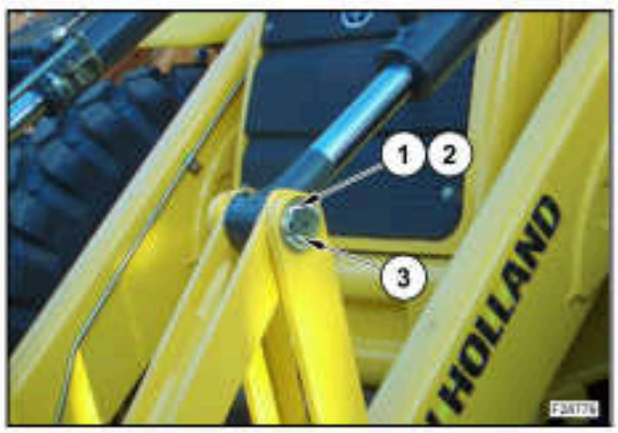
Cap or plug all exposed openings.



Support the bucket linkage and rods.

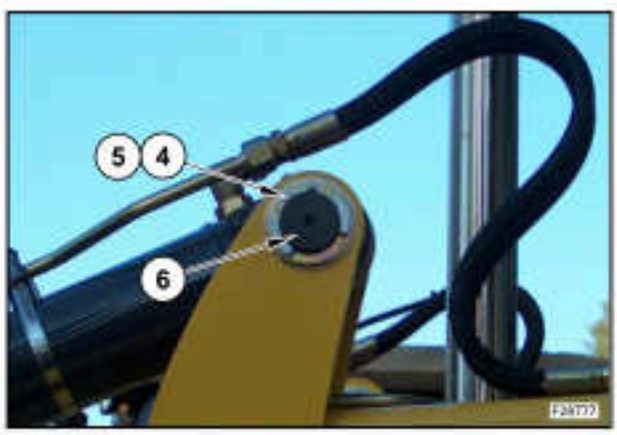
Remove the snap ring (1) and the spacer (2).

Hammer to slide out the pin (3).



Remove the stop ring (4) and the shim (5).

Hammer to slide out the pin (6).



Remove the loader bucket cylinder.

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ELECTRIC HEATER VALVE

The electric valve is equipped with a software that, each time the supply of the cock is delayed (therefore also at backhoe loader start), carries out the momentary positioning of the cock to "completely closed" and returns to the position set by the temperature regulation handle located on the control dashboard.

This enables the software to carry out a self-control on the cock drive so as to always obtain an optimal regulation of the ball for the water flow.

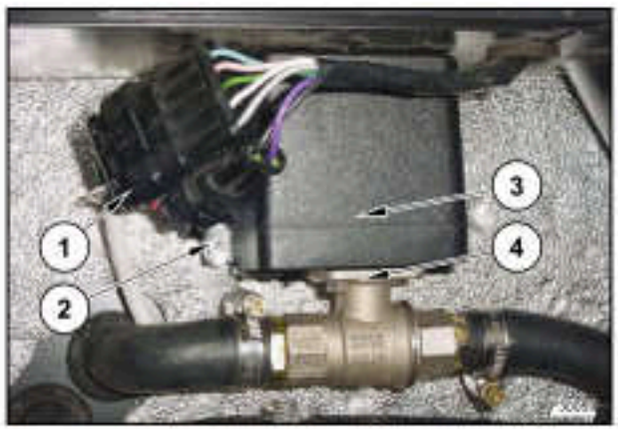
This is part of the cock normal operation and is not to be considered as a fault.

Valve release

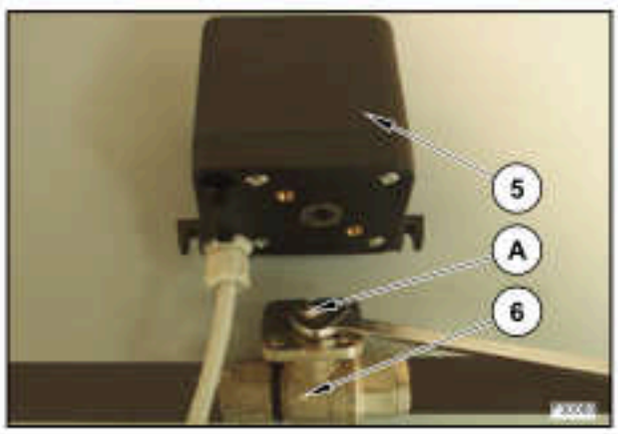
IMPORTANT: *the release of the valve has to be performed if this valve remains idle for long periods.*

Carry out this operation observing the following procedure:

- disconnect the electric connectors (1);
- loosen the screws (2) and extract the electric valve (3) from the evaporator;
- loosen and remove the screws (4);



- separate the driving unit (5) from the cock (6);
- by means of a wrench, turn the pin (A) of the cock to unlock it.



⚠ WARNING ⚠

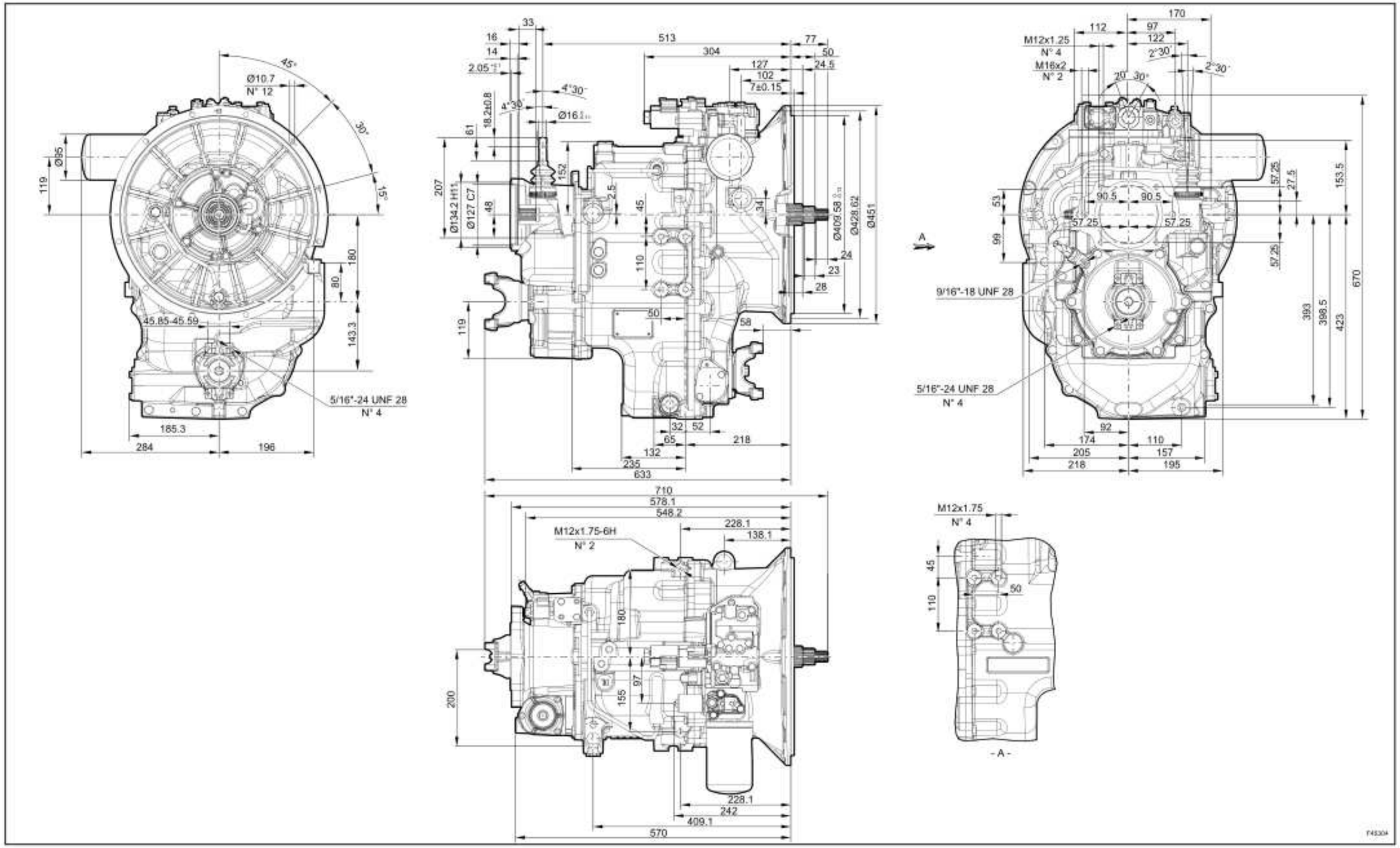
Once this operation is complete, reset pin (A) in the correct start position.

Reinstall the heater valve, repeating the previously carried out operations in reverse order.

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DIMENSIONS

4WD



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