

ELIOS 240-210

Repair manual

Original repair manual

Using this repair manual

This repair manual will help ensure the tractor is always in full working order. Regular maintenance and upkeep, carried out by the after-sales technical department will preserve the high value of this CLAAS tractor.

All of the expertise our after-sales technicians and the manufacturer can offer is summarised in this repair manual.







The sequence of illustrations show the breakdown of a repair process. The text gives the instructions required for setting, for using the special tools and much more.

The repair manual, as a reference document, is kept up to date with supplements and changes to meet any technical developments made to the tractor.

To ensure the highest level of safety, it is essential to compare the setting values and filling volumes with those on the current manual for the corresponding tractor.

Text and illustrations

References can be easily distinguished from each other by the symbols. The different symbols are as follows:

Symbol	Meaning	Description
	Consult the index.	This symbol  indicates that additional information on this subject is available in another part of this manual.
	Consult the index of the corresponding user manual.	This symbol  indicates that additional information on this subject is available in the tractor's user manual.
	Consult the technical system index.	This symbol  indicates that additional information on this subject is available in the tractor's technical system manual.

Section classification

The different parts of this repair manual are classed by chapter and section, whenever the content allows this. The document's structure is identical in each chapter and section.

CLAAS tries to retain this chapter structure in each document.

Search and find

The chapter structure, the table of contents and the document title make the subjects easier to find.

The index is also a useful tool for finding the required subjects. The index appears at the end of each document.

Direction indications

Indications in the text such as front, rear, right apply as taken in the direction of travel. In the illustrations, the direction of travel may be indicated by a direction arrow.

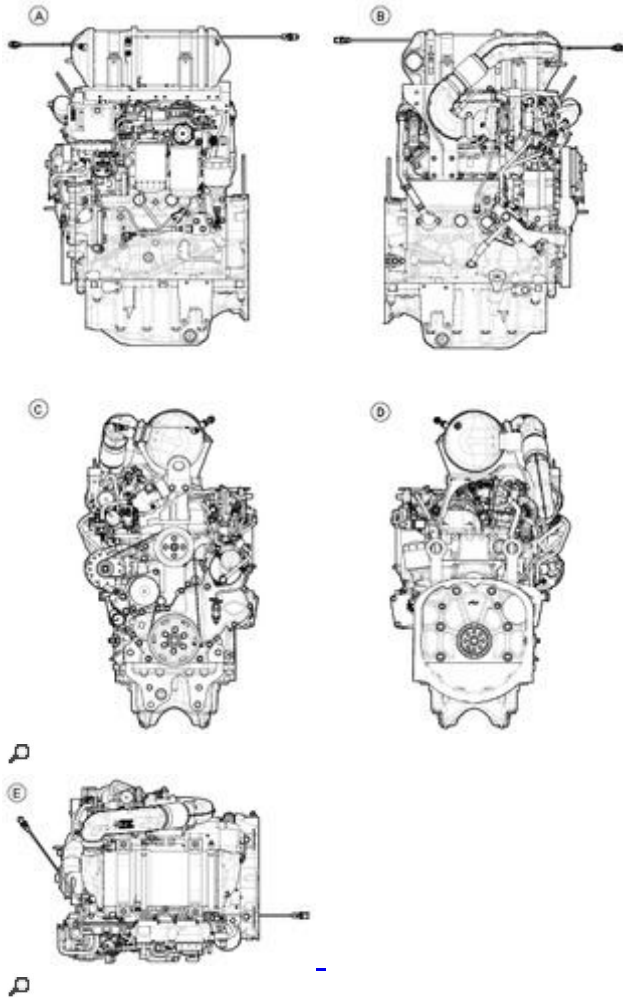
Your CLAAS After-Sales Service

Scope of the repair manual

This repair manual applies to the tractor:

Description	Type	Tractor number	
		from	to
ELIOS 240-210	A48	A4800002	—

Complete engine



	Description
A	Left-hand side
B	Right-hand side
C	Front
D	Rear
E	Plan view

WARNING

Lifting heavy components.

Risk of death or serious injury.

- ▶ Use certified slings or chains in perfect working order.
- ▶ Use a certified hoist in perfect working order.
- ▶ Use a certified jack or stand which can support the load.
- ▶ Use the jack or stand on a flat, horizontal, sufficiently firm surface.
- ▶ Place the jack or stand in a suitable location.

NOTICE

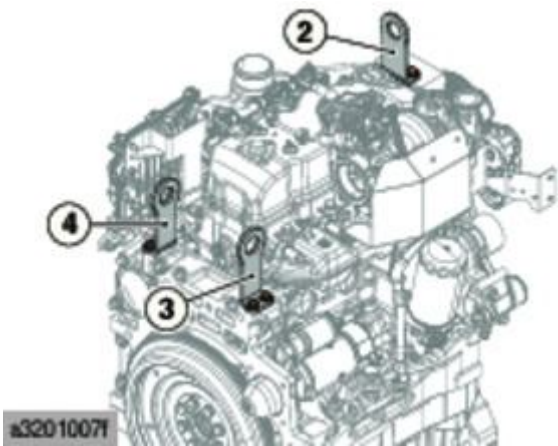
Lubricants and fuels end up in the environment.

- ▶ Collect and store lubricants and fuels in suitable containers and dispose of them properly.

Special tool



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Special tool - Reference no.	
1	Engine lifting brackets kit No. 1152 870 0
Component parts of the NEF kit	
2	Bracket at the front of the engine No. 1149 878 1/3
3	Bracket at the right-hand side of the engine No. 1149 878 1/2D
4	Bracket at the left-hand side of the engine No. 1149 878 1/2G



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Special tool - Reference no.

Axle stand

No. 0178 781 3



00 1150 142 0

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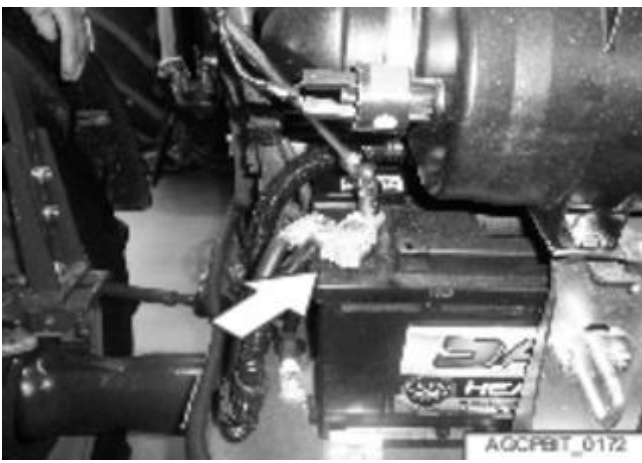
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Special tool - Reference no.

Flywheel rotating tool

No. 1150 142 0

Removal



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- ▶ Disconnect the negative battery terminal.
- ▶ Remove the side panels from the engine bonnet.
Bonnet side panels
- ▶ Remove the engine bonnet.
Engine bonnet

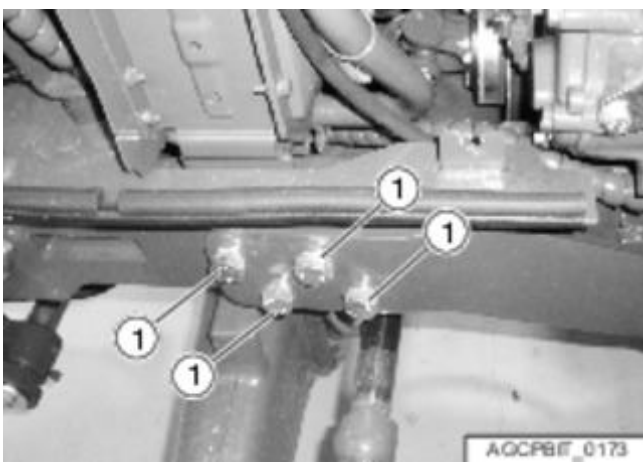


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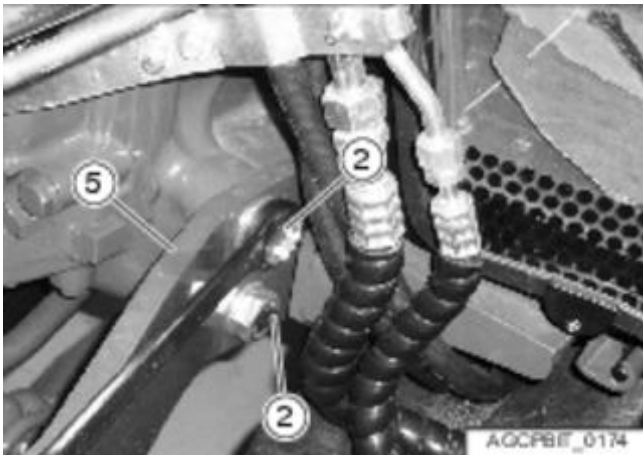


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- ▶ If fitted, remove the loader brackets (1 and 2) from the loader frame using a suitable lifting tool.



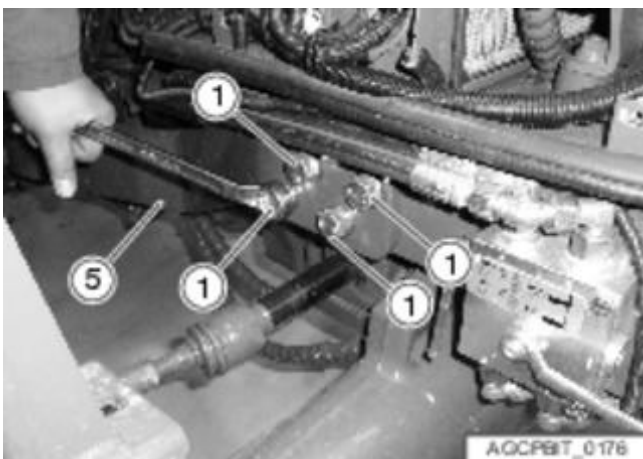
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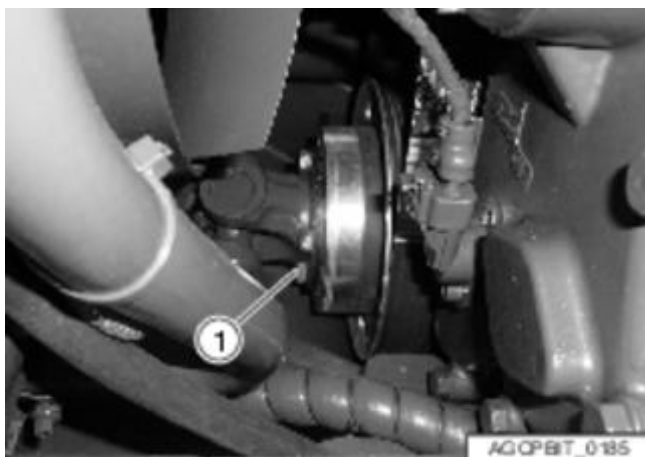
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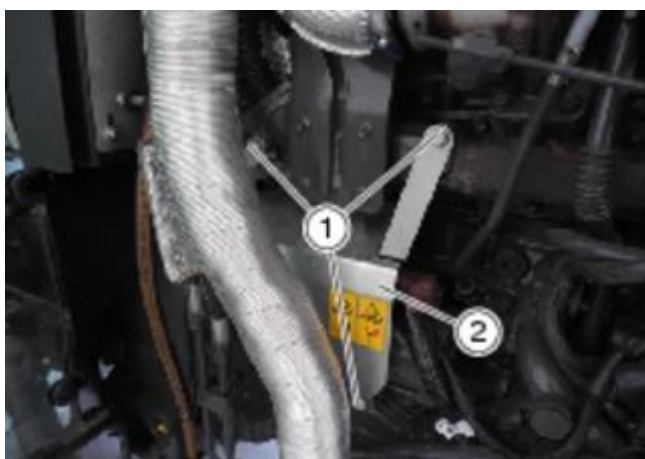
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- ▶ Remove the bolts (1) and (2).
- ▶ Remove the nuts (3) and bolts (4).

- ▶ Remove the side members (5) using a suitable lifting tool.
- ▶ Remove the transmission shaft.
Front axle transmission shaft
- ▶ Drain the transmission oil.



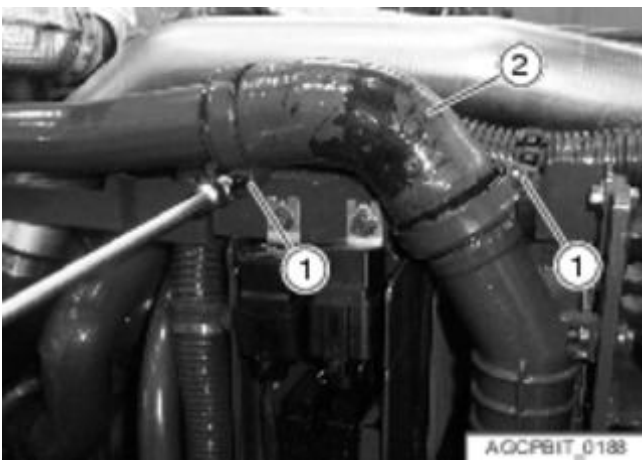
- ▶ Remove the bolts (1) from the front power take-off drive flange (option).
Turn the engine with the flywheel rotating tool to access the bolts.



- ▶ Remove the bolts (1), then the protective cover (2).

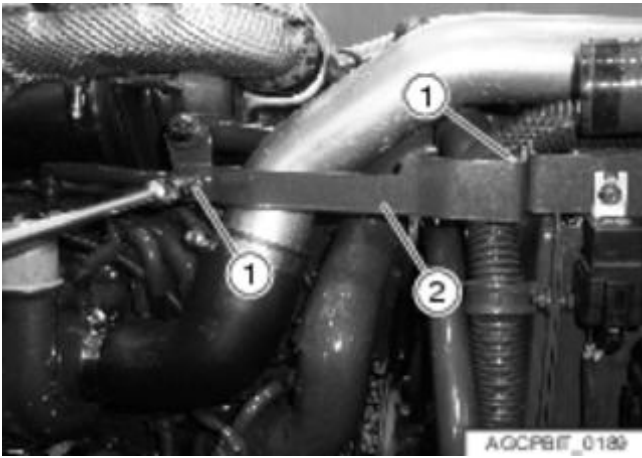


- ▶ Remove the nut (1).
- ▶ Remove all the connections from the electric starting motor.



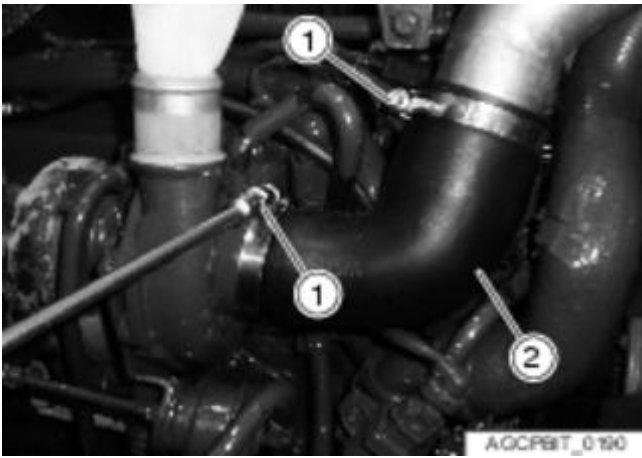
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- ▶ Remove the clamps (1) then remove the sleeve (2).



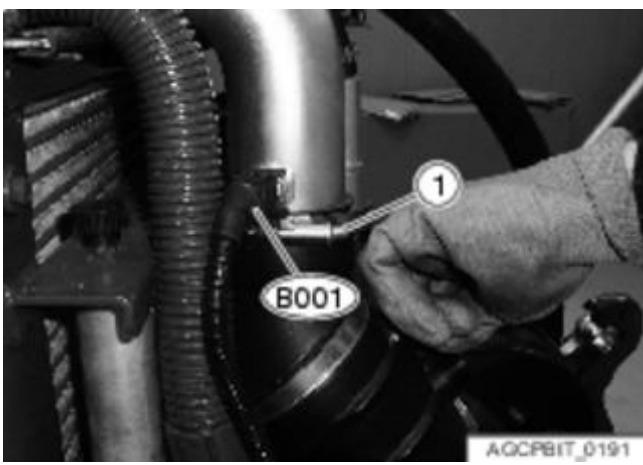
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- ▶ Remove the bolts (1) then remove the support (2).



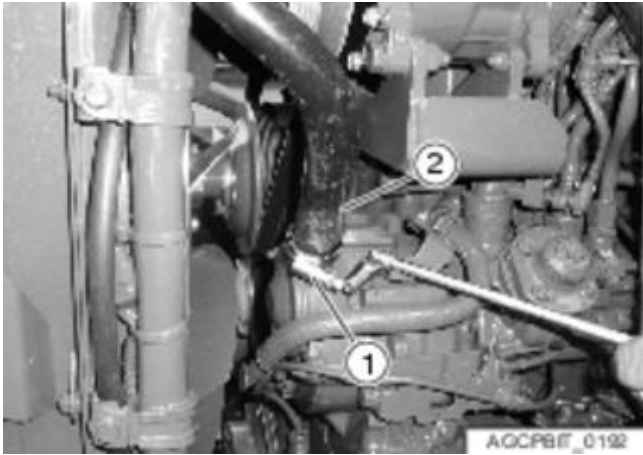
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- ▶ Remove the clamps (1) then remove the sleeve (2).



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- ▶ Remove the clamp (1).
- ▶ Disconnect the inlet air temperature sensor "B001".



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- ▶ Remove the clamp (1) then remove the sleeve (2).



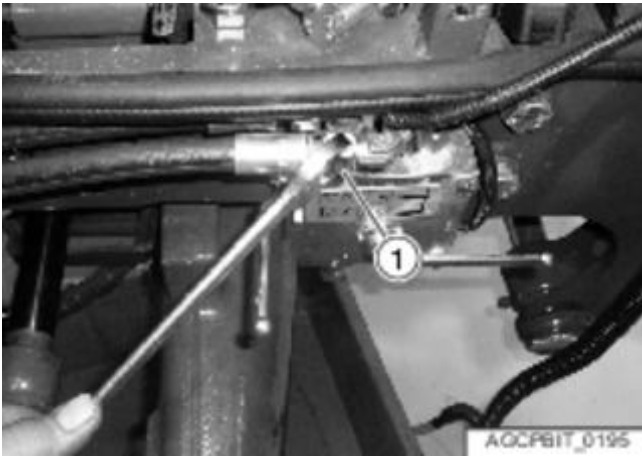
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- ▶ Remove the clamps (1) then remove the sleeve (2).



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- ▶ Disconnect all the connectors located on the right-hand side of the radiator.

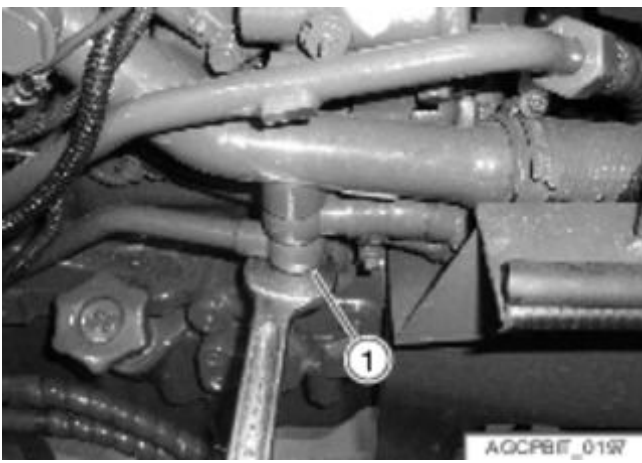


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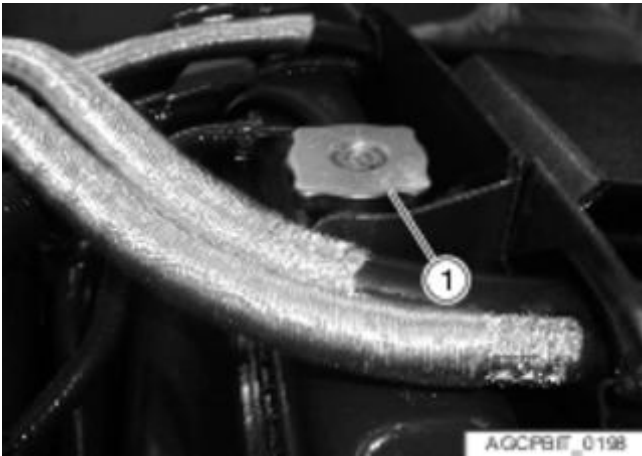


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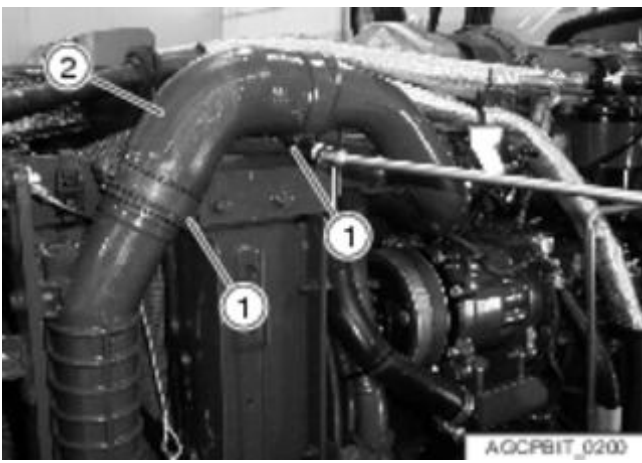
- ▶ Position a suitable container underneath the front linkage adjustment valve then disconnect the hoses (1 and 2).



- ▶ Position a suitable container underneath the water intake duct then disconnect the pipe (1).

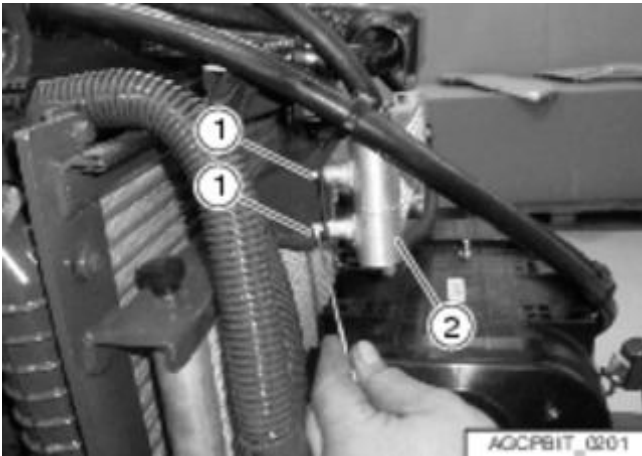


- ▶ Remove the cap (1).
- ▶ Bleed the cooling circuit.



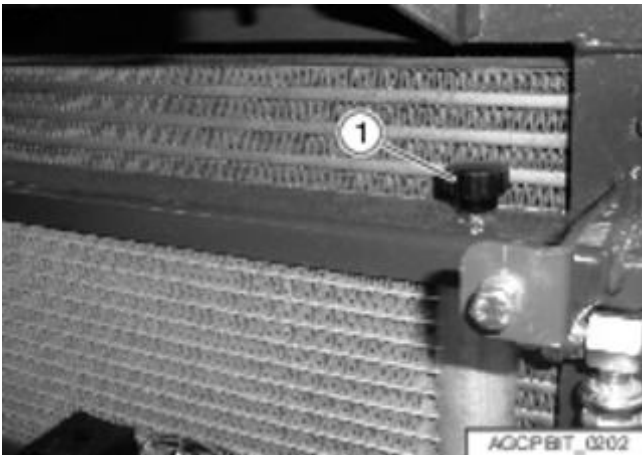
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- ▶ Remove the clamps (1) and remove the sleeve (2).



⤵

- ▶ Remove the bolts (1) then remove the radiator (2).



⤵

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