FARMALL® 90C
FARMALL® 100C
FARMALL® 110C
FARMALL® 120C
Tier 4B (final)
Tractor

PIN HLRFC120LHLF01896 and above
PIN ELRFC110VJLF50027 and above

SERVICE MANUAL

Part number 51543581
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November 2018

CASE IH AGRICULTURE

SERVICE MANUAL

Farmall® 100C With cab, with Hi-Lo transmission [HLRFC100EHLF10099 -], Farmall® 100C With cab, with Mechanical transmission, Farmall® 100C With cab, with Power Shuttle transmission [ELRFC100TJLF50006 -], Farmall® 100C Without cab, with Hi-Lo transmission [HLRFC100AJLF03784 -], Farmall® 100C Without cab, with Mechanical transmission, Farmall® 100C Without cab, with Power Shuttle transmission [ELRFC100AJLF50127 -], Farmall® 110C With cab, with Hi-Lo transmission [HLRFC110JJLF01558 -], Farmall® 110C With cab, with Mechanical transmission, Farmall® 110C With cab, with Power Shuttle transmission [ELRFC110VJLF50013 -], Farmall® 110C Without cab, with Hi-Lo transmission [HLRFC110VJLF00235 -], Farmall® 110C Without cab, with Mechanical transmission, Farmall® 110C Without cab, with Power Shuttle transmission [ELRFC110JJLF50034 -], Farmall® 120C With cab, with Hi-Lo transmission [HLRFC120LHLF01896 -], Farmall® 120C With cab, with Mechanical transmission, Farmall® 120C With cab, with Power Shuttle transmission [ELRFC120EJLF50025 -], Farmall® 120C Without cab, with Hi-Lo transmission [HLRFC120CHLF10070 -], Farmall® 120C Without cab, with Mechanical transmission, Farmall® 120C Without cab, with Power Shuttle transmission, Farmall® 90C With cab, with Hi-Lo transmission [HLRFC090LJLF00494 -], Farmall® 90C With cab, with Mechanical transmission, Farmall® 90C With cab, with Power Shuttle transmission [ELRFC090CJLF50096 -], Farmall® 90C Without cab, with Hi-Lo transmission [HLRFC090VJLF05112 -], Farmall® 90C Without cab, with Mechanical transmission, Farmall® 90C Without cab, with Power Shuttle transmission [ELRFC090LJLF50126 -]

Link Product / Engine

Product	Market Product	Engine
Farmall® 100C Without cab, with Mechanical transmission	North America	F5GFL413H*C006
Farmall® 100C With cab, with Mechanical transmission	North America	F5GFL413H*C006
Farmall® 100C Without cab, with Power Shuttle transmission [ELRFC100AJLF50127 -]	North America	F5GFL413H*C006
Farmall® 100C With cab, with Power Shuttle transmission [ELRFC100TJLF50006 -]	North America	F5GFL413H*C006
Farmall® 100C Without cab, with Hi-Lo transmission [HLRFC100AJLF03784 -]	North America	F5GFL413H*C005
Farmall® 100C With cab, with Hi-Lo transmission [HLRFC100EHLF10099 -]	North America	F5GFL413H*C005
Farmall® 110C Without cab, with Mechanical transmission	North America	F5GFL413G*C006
Farmall® 110C With cab, with Mechanical transmission	North America	F5GFL413G*C006
Farmall® 110C Without cab, with Power Shuttle transmission [ELRFC110JJLF50034 -]	North America	F5GFL413G*C006
Farmall® 110C With cab, with Power Shuttle transmission [ELRFC110VJLF50013 -]	North America	F5GFL413G*C006
Farmall® 110C Without cab, with Hi-Lo transmission [HLRFC110VJLF00235 -]	North America	F5GFL413G*C006
Farmall® 110C With cab, with Hi-Lo transmission [HLRFC110JJLF01558 -]	North America	F5GFL413G*C006
Farmall® 120C Without cab, with Mechanical transmission	North America	F5GFL413F*C011
Farmall® 120C With cab, with Mechanical transmission	North America	F5GFL413F*C011
Farmall® 120C Without cab, with Power Shuttle transmission	North America	F5GFL413F*C011
Farmall® 120C With cab, with Power Shuttle transmission [ELRFC120EJLF50025 -]	North America	F5GFL413F*C011
Farmall® 120C Without cab, with Hi-Lo transmission [HLRFC120CHLF10070 -]	North America	F5GFL413F*C010
Farmall® 120C With cab, with Hi-Lo transmission [HLRFC120LHLF01896 -]	North America	F5GFL413F*C010
Farmall® 90C Without cab, with Mechanical transmission	North America	F5GFL413J*C006

Product	Market Product	Engine
Farmall® 90C With cab, with Mechanical transmission	North America	F5GFL413J*C006
Farmall® 90C Without cab, with Power Shuttle transmission [ELRFC090LJLF50126 -]	North America	F5GFL413J*C006
Farmall® 90C With cab, with Power Shuttle transmission [ELRFC090CJLF50096 -]	North America	F5GFL413J*C006
Farmall® 90C Without cab, with Hi-Lo transmission [HLRFC090VJLF05112 -]	North America	F5GFL413J*C005
Farmall® 90C With cab, with Hi-Lo transmission [HLRFC090LJLF00494 -]	North America	F5GFL413J*C005

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INTRODUCTION

Foreword - Important notice regarding equipment servicing

All repair and maintenance work listed in this manual must be carried out only by qualified dealership personnel, strictly complying with the instructions given, and using, whenever possible, the special tools.

Anyone who performs repair and maintenance operations without complying with the procedures provided herein shall be responsible for any subsequent damages.

The manufacturer and all the organizations of its distribution chain, including - without limitation - national, regional, or local dealers, reject any responsibility for damages caused by parts and/or components not approved by the manufacturer, including those used for the servicing or repair of the product manufactured or marketed by the manufacturer. In any case, no warranty is given or attributed on the product manufactured or marketed by the manufacturer in case of damages caused by parts and/or components not approved by the manufacturer.

The manufacturer reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions, and illustrative material herein are as accurate as known at time of publication but are subject to change without notice.

In case of questions, refer to your CASE IH Sales and Service Networks.

Note to the Owner WARNINGS FOR AIR CONDITIONING SYSTEM REPAIR OPERATIONS

Starting the system at low temperatures can damage the compressor. Only operate the air conditioner when the engine is hot and the temperature inside the cab is at least **20 °C** (**68.00 °F**).
When disconnecting the hoses, close the ends with plastic caps to prevent foreign matter and humidity from getting inside the hoses.
Handle the thermostatic sensor carefully to avoid damage that may prevent efficient system operation.
Always use two spanners to unscrew the hose fittings to avoid twisting the fitting.
Do not use any type of engine oil to lubricate the compressor and the system.
Never leave the compressor oil container open, always make sure that it is tightly closed. If left exposed the oil will absorb humidity from the air and may, subsequently, damage the system.
Do not transfer compressor oil from the original container to another container.
Do not introduce any additives to the compressor oil. Any additional substances could contain elements which are incompatible with the chemical base of the refrigerant and thus alter its characteristics.
Check that the thermostatic sensor is correctly inserted in the fins on the evaporator to ensure efficient system operation.

Safety rules

ACCIDENT PREVENTION

Most accidents or injuries that occur in workshops are the result of non-observance of simple and fundamental safety regulations.
For this reason, IN MOST CASES THESE ACCIDENTS CAN BE AVOIDED: by foreseeing possible causes and consequently acting with the necessary caution and care.
Accidents may occur with all types of machine, regardless of how well the machine in question was designed and built.
A careful and prudentmechanic is the best insurance against any accident.
Precise observance of the most basic safety rule is normally sufficient to avoid many serious accidents.

DANGER: Never carry out any cleaning, lubrication or maintenance operations when the engine is running.

GENERALITIES

- Carefully follow specified repair and maintenance procedures.
- Do not wear rings, wristwatches, jewellery, unbuttoned or loose articles of clothing such as: ties, torn clothing, scarves, open jackets or shirts with open zips that may remain entangled in moving parts.
  It is advised to wear approved safety clothing, e.g: non--slip footwear, gloves, safety goggles, helmets, etc.
- Do not carry out repair operations with someone sitting in the driver's seat, unless the person is a trained technician who is assisting with the operation in question.
- Operate the vehicle and use the implements exclusively from the driver's seat.
- Do not carry out operations on the vehicle with the engine running, unless specifically indicated.
- Stop the engine and ensure that all pressure is relieved from hydraulic circuits before removing caps, covers, valves, etc.
- All repair and maintenance operations must be carried out with the greatest care and attention.
- Service stairs and platforms used in a workshop or in the field should be built in compliance with the safety rules in force.
- Disconnect the batteries and label all controls to indicate that the vehicle is being serviced. Block the machine and all equipment which should be raised.
- Do not check or fill fuel tanks, accumulator batteries, nor use starting liquid when smoking or near naked flames, as these fluids are inflammable.
- Brakes are inoperative if manually released for repair or maintenance purposes.
  In such cases, the machine should be kept constantly under control using blocks or similar devices.
- The fuel nozzle should always be in contact with the filling aperture. Maintain this position until filling operations are completed in order to avoid possible sparks caused by the accumulation of static electricity.
- Only use specified towing points for towing the tractor. Connect the parts carefully and make sure that all pins and/or locks are secured in position before applying traction.
  Never remain near the towing bars, cables or chains that are operating under load
- To move a disabled machine, use a trailer or a low-boy, if available.
- When loading or unloading the vehicle from the trailer , or other means of transport, select a flat area capable of sustaining the trailer or truck wheels, firmly secure the tractor to the truck or trailer and lock the wheels in the position.
- For electrical heaters, battery-chargers and similar equipment use exclusive auxiliary power supplies with a efficient ground to avoid electrical shock hazard.
- Always use lifting equipment and similar of appropriate capacity to lift or move heavy components.
- Take extra care if bystanders are present.
- Never pour gasoline or diesel oil into open, wide and low containers.
- Never use gasoline, diesel oil or other inflammable liquids as cleaning agents. Use non-flammable non-toxic proprietary solvents.
- Wear safety goggles with side guards when cleaning parts with compressed air.

- Limit the air pressure to a maximum of **2.1 bar** (**30.5 psi**), according to local regulations.
- Do not run the engine in confined spaces without suitable ventilation.
- Do not smoke, use naked flames, or cause sparks in the area when fuel filling or handling highly inflammable liquids.
- Never use naked flames for lighting when working on the machine or checking for leaks.
- All movements must be carried out carefully when working under, on or near the vehicle and wear protective equipment: helmets, goggles and special footwear.
- When carrying out checks with the engine running, request the assistance of an operator in the driver's seat. The operator must maintain visual contact with the service technician at all times.
- If operating outside the workshop, position the machine on a flat surface and lock in position. If working on a slope, lock the vehicle in position and move to a flat area as soon as possible in order to ensure a safety position.
- Damaged or bent chains or cables are unreliable. Do not use them for lifting or trailing.
  Always use suitable protective gloves when handling chains or cables.
- Chains should always be safely secured. Ensure that the connection is strong enough to hold the expected load.
  No persons should stop near the fastening point, trailing chains or cables.
- Maintenance and repair operations must be carried out in a CLEAN and DRY area, eliminate any water or oil spillage immediately.
- Do not create piles of oil or grease--soaked rags as they represent a serious fire hazard; store them in a closed metal container.
  Before starting the vehicle or implements, make sure that the driver's seat is locked in position and always check that the area is free of persons or obstacles.
- Empty pockets of all objects that may unintentionally fall into the vehicle parts when disassembled.
- In the presence of protruding metal parts, use protective goggles or goggles with side guards, helmets, special footwear and gloves.
- Handle all parts carefully, do not put your hands or fingers between moving parts, wear suitable safety clothing -- safety goggles, gloves and shoes.

WELDING OPERATIONS

- When welding, use protective safety devices: tinted safety goggles, helmets, special overalls, gloves and footwear.
  All persons present in the area where welding is taking place must wear tinted goggles.
  DO NOT LOOK AT ARC WITHOUT PROPER EYE PROTECTION.
- Where possible, remove the part or tool that requires arc welding from the tractor.
- Disconnect both cables from the battery. Isolate the cable ends to avoid contact with each other and the tractor.
- Position the welder ground clamp as near as possible to the area where welding is taking place.
- Remove the electronic control units located on the tractor if welding is to be carried out near these control units.
- Never allow welding cables to lay on, near or across any electrical wiring or electronic component while welding is in progress.
- Metal cables tend to fray with repeated use. Always use suitable protective devices (gloves, goggles, etc.) when handling cables.

START UP

- Never start the engine in confined spaces that are not equipped with adequate ventilation for exhaust gas extraction.
- Never bring your head, body, arms, legs, feet, hands, fingers near fans or rotating belts.

MOTOR

- Always loosen the radiator cap slowly before removing it to allow any remaining pressure in the system to be discharged. Coolant should be topped up only when the engine is stopped or idle if hot.
- Never fill up with fuel when the engine is running, especially if hot, in order to prevent the outbreak of fire as a result of fuel spillage
- Never check or adjust fan belt tension when the engine is running.

SERVICE MANUAL

Engine

Farmall® 100C With cab, with Hi-Lo transmission [HLRFC100EHLF10099 -], Farmall® 100C With cab, with Mechanical transmission, Farmall® 100C With cab, with Power Shuttle transmission [ELRFC100TJLF50006 -], Farmall® 100C Without cab, with Hi-Lo transmission [HLRFC100AJLF03784 -], Farmall® 100C Without cab, with Mechanical transmission, Farmall® 100C Without cab, with Power Shuttle transmission [ELRFC100AJLF50127 -], Farmall® 110C With cab, with Hi-Lo transmission [HLRFC110JJLF01558 -], Farmall® 110C With cab, with Mechanical transmission, Farmall® 110C With cab, with Power Shuttle transmission [ELRFC110VJLF50013 -], Farmall® 110C Without cab, with Hi-Lo transmission [HLRFC110VJLF00235 -], Farmall® 110C Without cab, with Mechanical transmission, Farmall® 110C Without cab, with Power Shuttle transmission [ELRFC110JJLF50034 -], Farmall® 120C With cab, with Hi-Lo transmission [HLRFC120LHLF01896 -], Farmall® 120C With cab, with Mechanical transmission, Farmall® 120C With cab, with Power Shuttle transmission [ELRFC120EJLF50025 -], Farmall® 120C Without cab, with Hi-Lo transmission [HLRFC120CHLF10070 -], Farmall® 120C Without cab, with Mechanical transmission, Farmall® 120C Without cab, with Power Shuttle transmission, Farmall® 90C With cab, with Hi-Lo transmission [HLRFC090LJLF00494 -], Farmall® 90C With cab, with Mechanical transmission, Farmall® 90C With cab, with Power Shuttle transmission [ELRFC090CJLF50096 -], Farmall® 90C Without cab, with Hi-Lo transmission [HLRFC090VJLF05112 -], Farmall® 90C Without cab, with Mechanical transmission, Farmall® 90C Without cab, with Power Shuttle transmission [ELRFC090LJLF50126 -]

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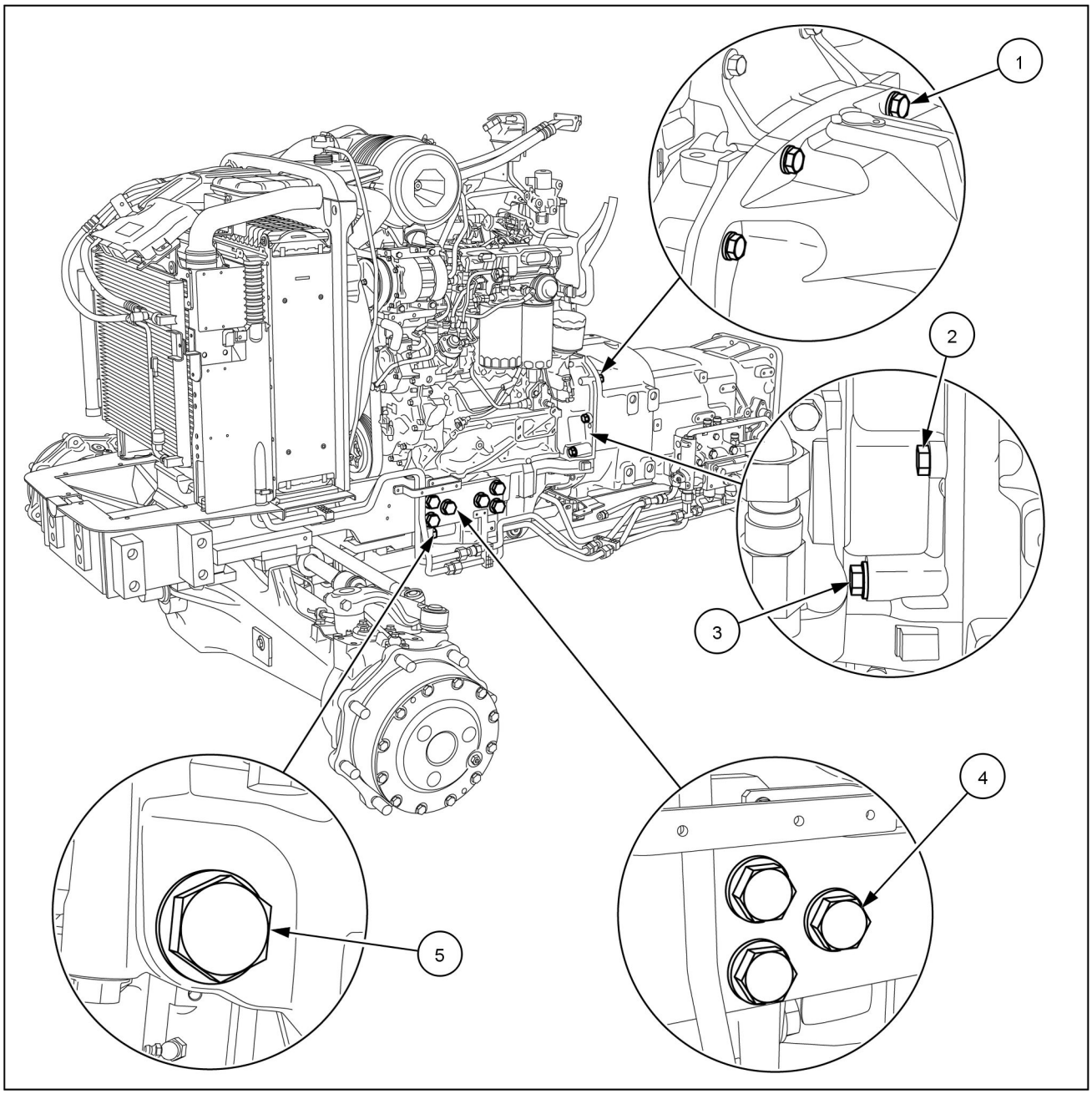
Engine - Torque



MOIL17TR02997GA 1

Part to tighten	Thread	Tighten torque
Bolt **(5)** securing the front axle to the engine block	M20 x 1.5 x 130	**587 N·m** (**432.95 lb ft**)
Bolt **(4)** securing the engine block to the front axle	M20 x 1.5 x 110	**587 N·m** (**432.95 lb ft**)
Bolt **(1)** securing the gearbox to the engine block	M12 x 1.25 x 50	**121 N·m** (**89.25 lb ft**)
Bolt **(2)** securing the engine block to the gearbox	M12 x 1.25 x 50	**121 N·m** (**89.25 lb ft**)
Bolt **(3)** securing the engine block to the gearbox	M12 x 1.25 x 90	**121 N·m** (**89.25 lb ft**)

Engine - Remove

⚠ WARNING

Heavy objects!
Lift and handle all heavy components using lifting equipment with adequate capacity. Always support units or parts with suitable slings or hooks. Make sure the work area is clear of all bystanders.
Failure to comply could result in death or serious injury.

W0398A

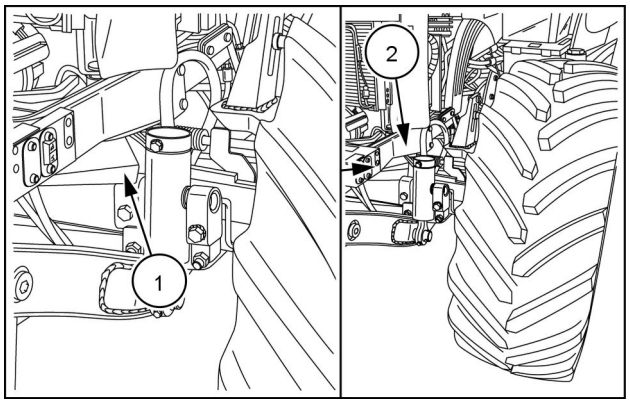
⚠ WARNING

Avoid injury!
Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.
Failure to comply could result in death or serious injury.

W0208A

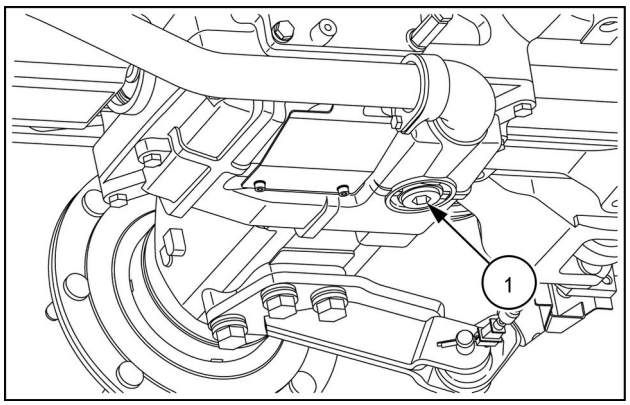
Prior operation:
Hood - Remove (90.100)
Side panels - Remove (90.100)
Fender - Remove - Front (90.116)
Selective Catalytic Reduction (SCR) muffler and catalyst - Remove (10.500)
Cab and platform - Remove (90.150)

1. Position wooden wedges **(1)** between the front axle and the front axle support **(2)** to prevent articulation.



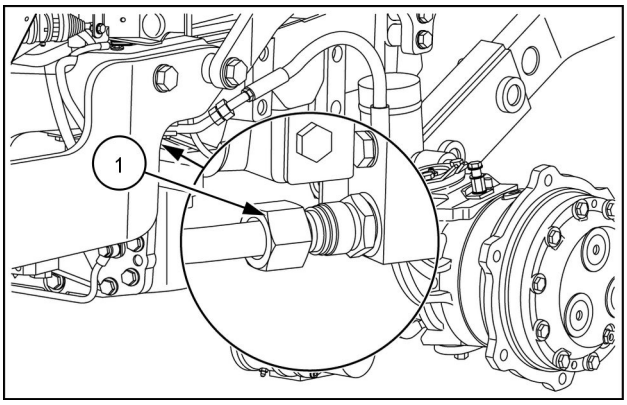
MOIL17TR00033AA 1

2. Position a container for transmission oil recovery under the transmission casing near the drain plug **(1)**.
3. Remove the plug **(1)** and drain the transmission oil.



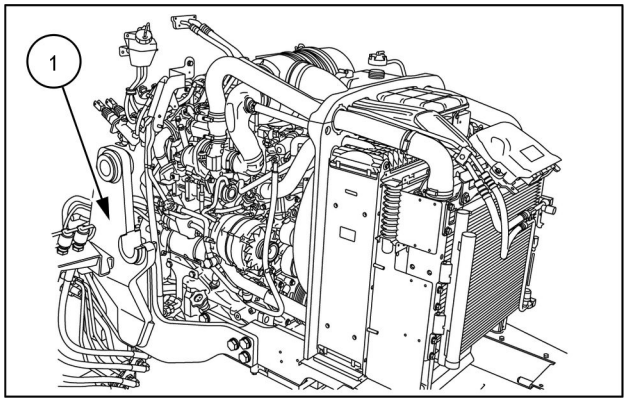
MOIL17TR00040AA 2

4. Disconnect the front lift coupling **(1)**, if present.



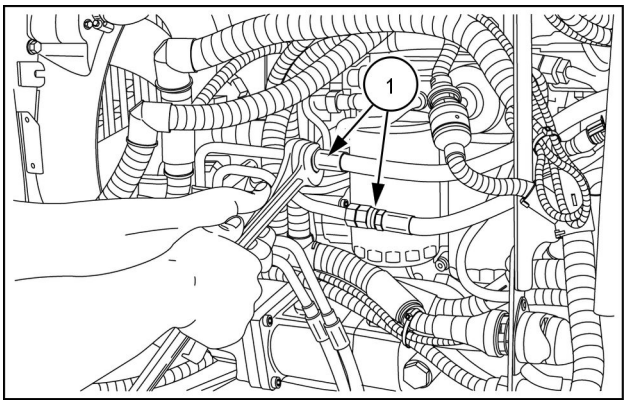
MOIL17TR00035AA 3

5. Remove both side members **(1)** of the front loader as described in **Front loader side member - Remove (82.100)**.



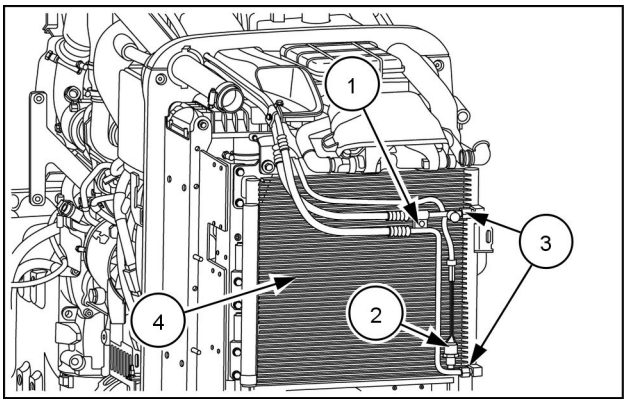
MOIL17TR02980AA 4

6. On the left-hand side of the engine, disconnect the steering cylinder control lines **(1)**.



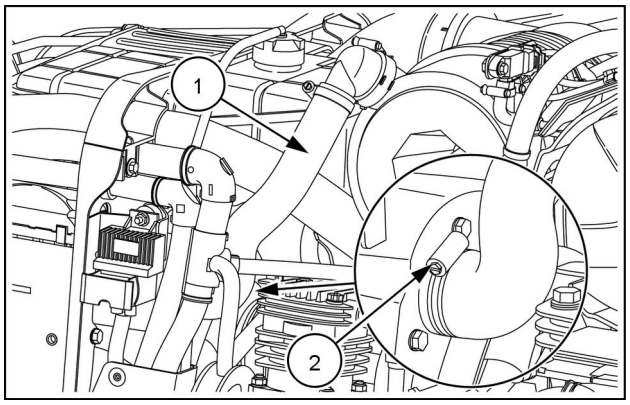
MOIL17TR00029AA 5

7. Disconnect the hydraulic couplings **(3)** on the capacitor **(4)** and loosen the screw **(1)** on the retaining clamp.
8. Disconnect the sensor wiring **(2)**.



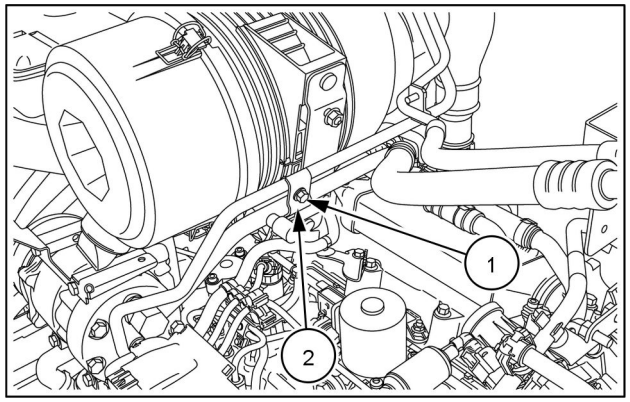
MOIL17TR00041AA 6

9. If present, loosen the retaining clamps **(2)** on the tubing **(1)**.
10. Remove the pipe **(1)**.



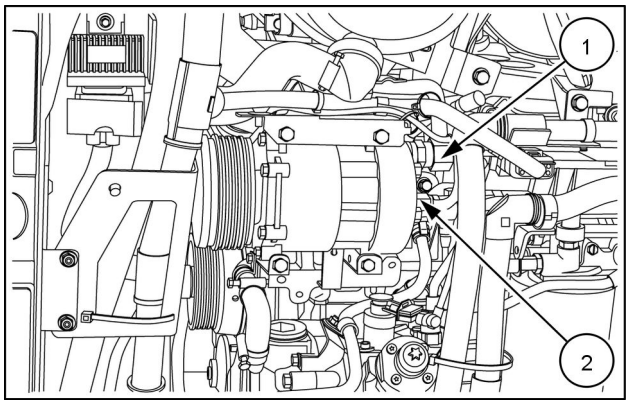
MOIL17TR00028AA 7

11. Loosen the retaining nut **(1)** on the locking bracket **(2)**.
12. Remove the locking bracket **(2)**.



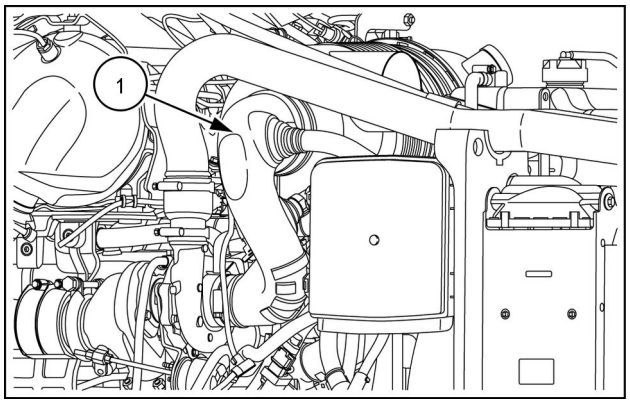
MOIL17TR02989AA 8

13. Disconnect couplings **(1)** and **(2)** of the air conditioning lines.



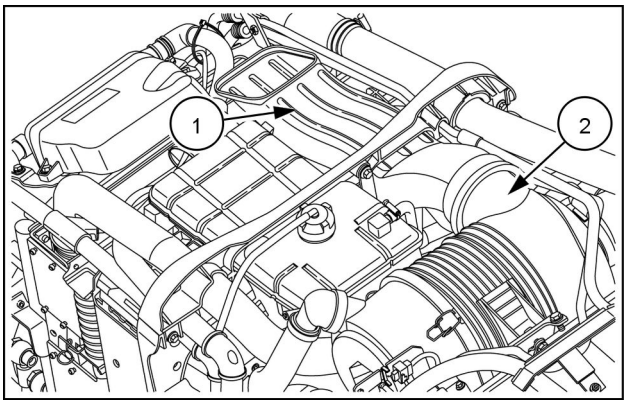
MOIL16TR02231AA 9

14. Remove the coupling **(1)** as described in **Air cleaner connection between filter and engine - Remove (10.202)**.



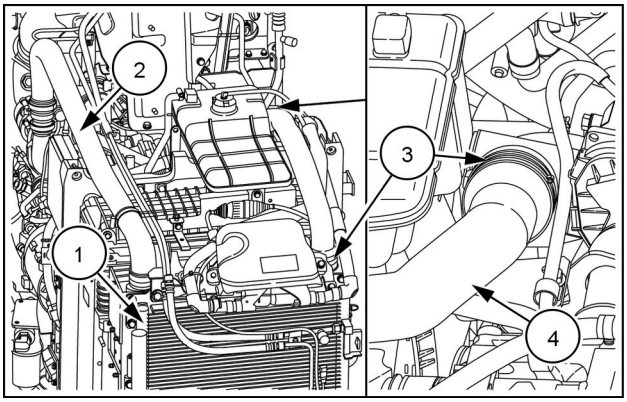
MOIL16TR03814AA 10

15. Remove the air suction line **(1)** as described in **Air intake lines - Remove (10.202)**
16. Remove the air filter **(2)** as described in **Air cleaner - Remove (10.202)**



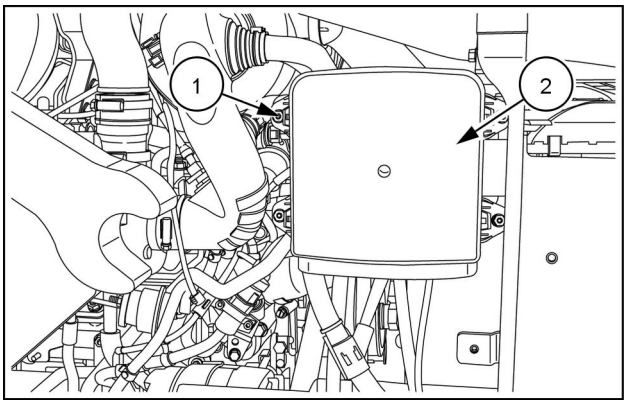
MOIL16TR03935AA 11

17. Loosen the retaining clamps **(1)** and disconnect the pipe from the turbine to the aftercooler radiator **(2)**.
18. Loosen the retaining clamps **(3)** and remove the pipe **(4)** between the aftercooler radiator and the engine.



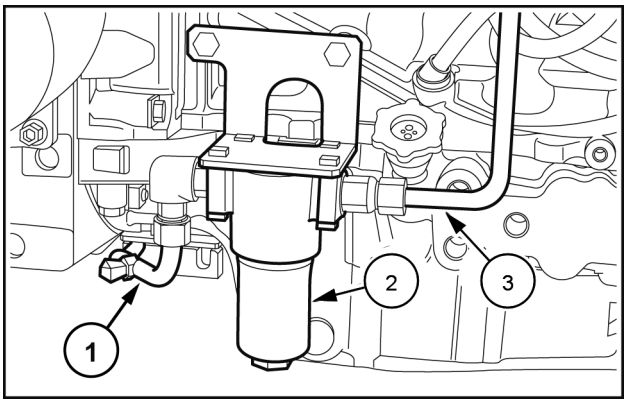
MOIL17TR00042AA 12

19. Loosen the retaining nuts **(1)** from the power distribution box **(2)**.
20. Move the distribution box and connected cables to the right-hand side of the radiator.



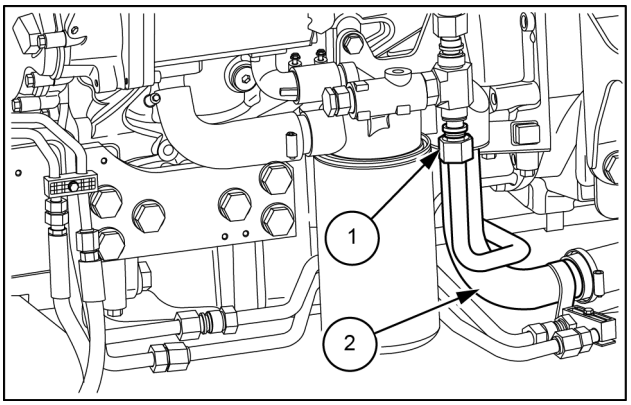
MOIL17TR00030AA 13

21. Disconnect the drain line **(3)** of the hydrostatic steering control valve.
22. Disconnect the power supply line **(1)** of the transmission control valve.
23. Remove the filter **(2)**, complete with support.



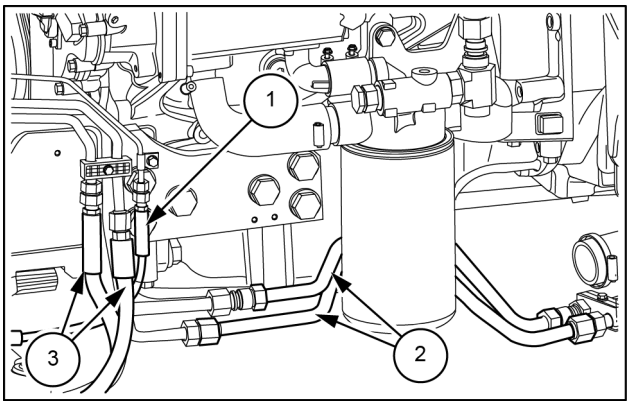
WLAPL4S10C126A 14

24. Disconnect the oil filter suction line **(2)** from the transmission.
25. Disconnect the supply line **(1)** to the auxiliary central control valves.



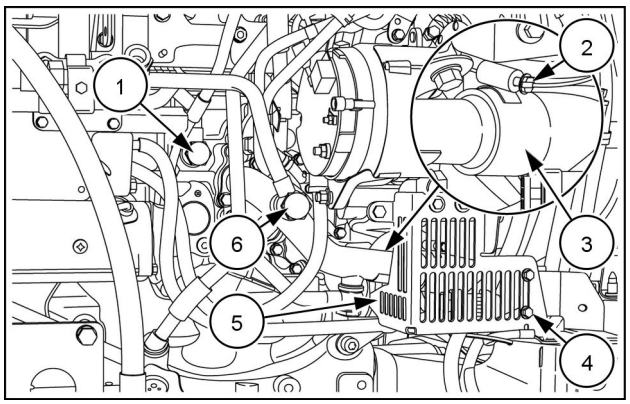
MOIL13TR01799AA 15

26. Disconnect the heat exchanger lines **(2)** and, if present, those of the front braking assembly **(1)**.
27. Remove the previously disconnected lines from the supports, brackets and clamps secured to the engine, and do the same for the lines directed to the cylinder **(3)**.



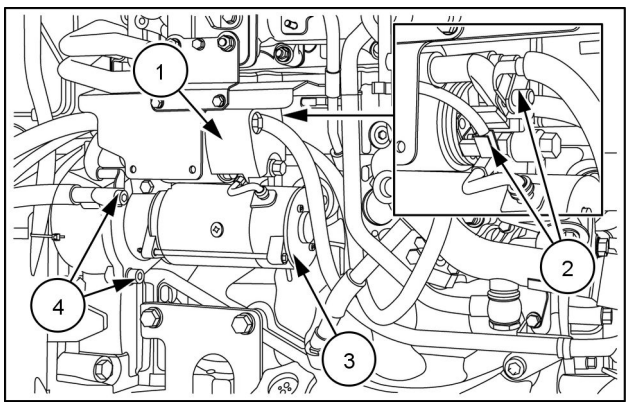
MOIL13TR01800AA 16

28. Loosen the retaining nuts **(4)** of the protective grille **(5)**.
29. Remove the protective grille **(5)**.
30. On the right-hand side of the engine, disconnect couplings **(1)** and **(6)** of the cab heating system lines.
31. Loosen the retaining clamp **(2)** and disconnect the lower sleeve **(3)** of the connection tubing between the engine and the radiator.



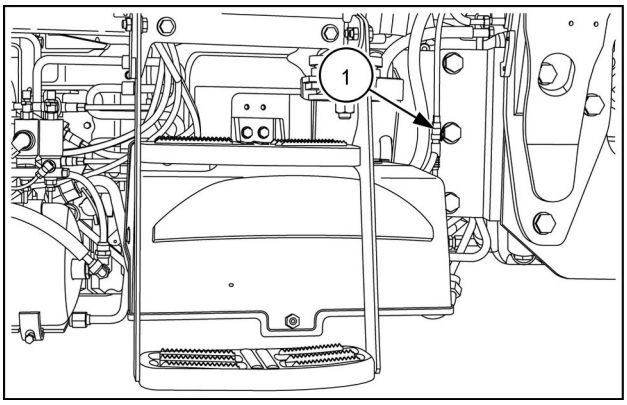
MOIL17TR00045AA 17

32. Remove the shield **(1)** of the starter motor **(3)**.
33. Disconnect the wiring harness **(2)**.
34. Loosen the retaining screws **(4)** and remove the starter motor **(3)**.



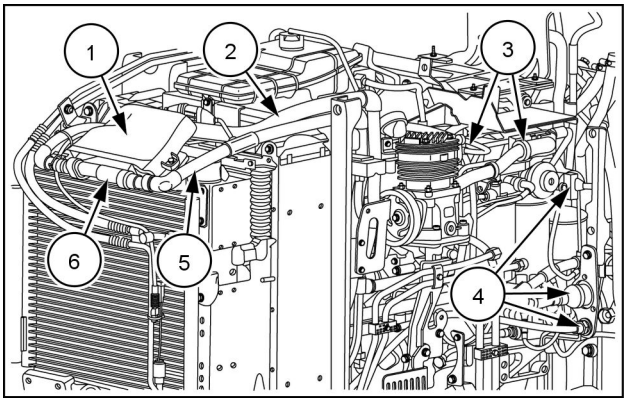
MOIL17TR00046AA 18

35. Disconnect the electrical connection **(1)**.



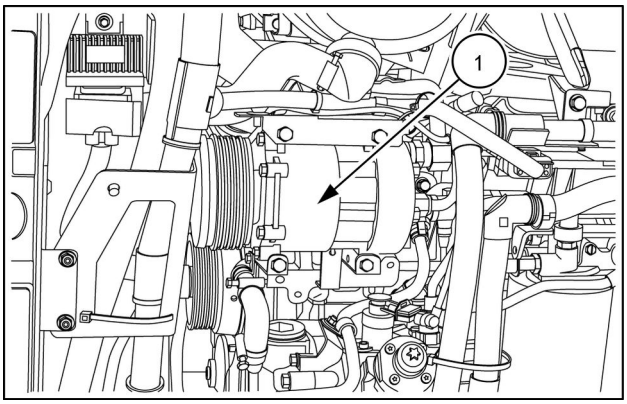
MOIL17TR00026AA 19

36. Disconnect the electrical connections **(3)** of the interface engine wiring harness between the control unit **(1)** and the engine.
37. Gather the wiring harness **(2)** and move it to the front of the engine.
38. Disconnect the electrical connections **(6)** on the control unit **(1)**.
39. Disconnect the electrical connections **(4)**.
40. Take up the wiring harness **(5)** and move it to the front of the engine.



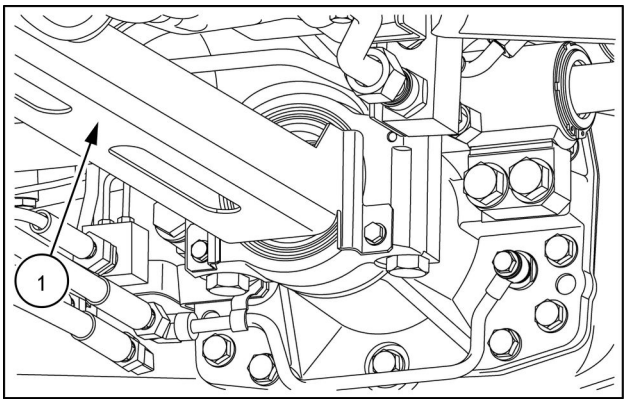
MOIL17TR00025AA 20

41. Remove the supercharger **(1)** as described in **Air-conditioning compressor - Remove (50.200)**.



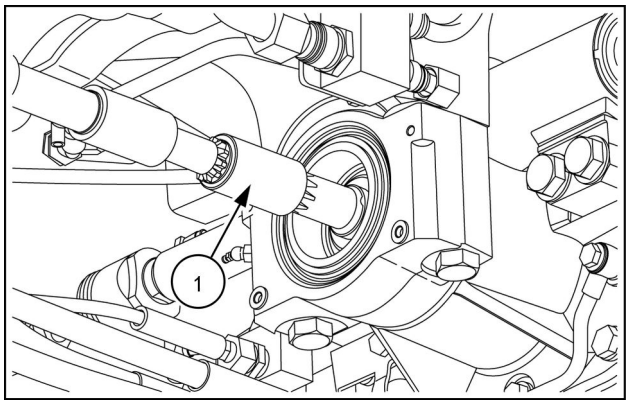
MOIL16TR02231AA 21

42. Remove the front drive shaft guard **(1)** as described in **Front drive shaft - Remove - Guard (23.314)**.



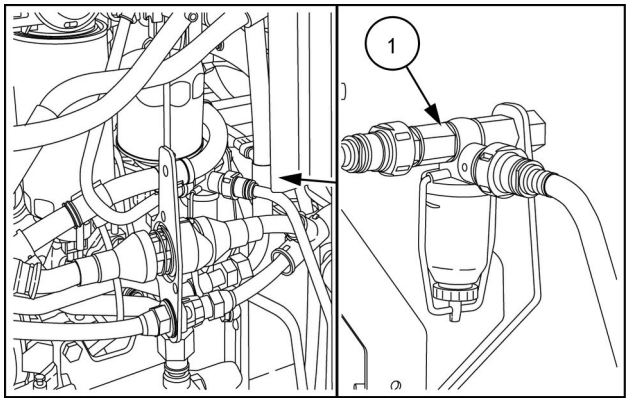
MOIL17TR00017AA 22

43. Disconnect the front drive shaft **(1)** as described in **Front drive shaft - Remove (23.314)**.



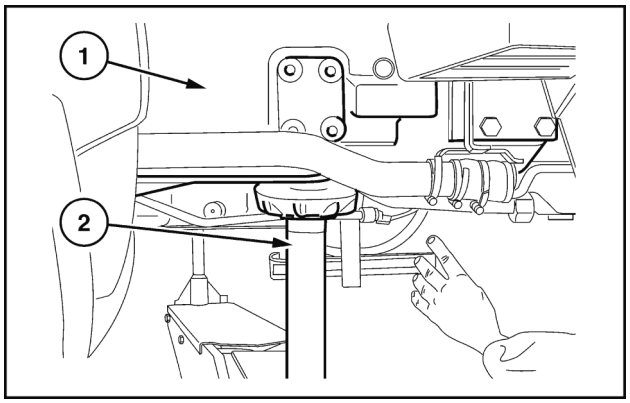
MOIL17TR00020AA 23

44. Remove the separator filter **(1)** as described in **Fuel-water separator filter - Remove (10.206)**.



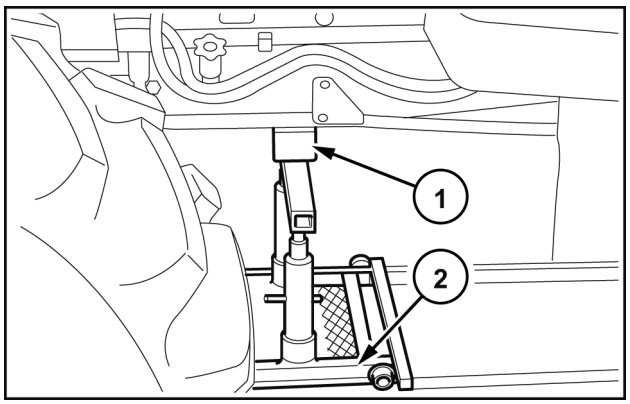
MOIL16TR03856AA 24

45. Hook the rear part of the engine onto a hoist using chains or hoisting ropes (apply two eye bolts, one to the right and one to the left, on the upper part of the flange containing the flywheel). Position a fixed jack stand **(2)** under the clutch housing **(1)** near the engine coupling flange and apply the hand brake.



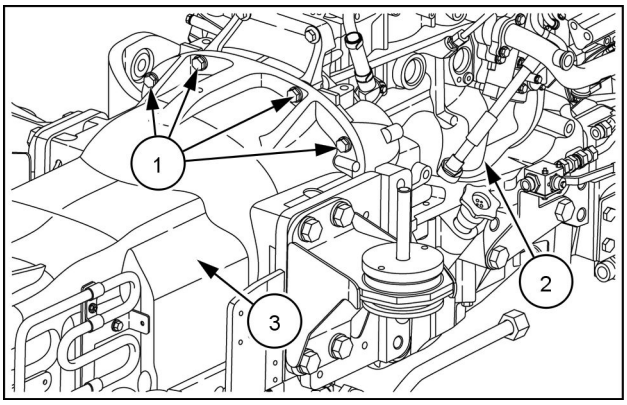
WLAPL4S10C129A 25

46. Position the movable tool for dismantling tractors **380003114 (2)** with the support bracket and adapter plate under the engine. Place a wooden block **(1)** in the contact points between the tool and the engine.



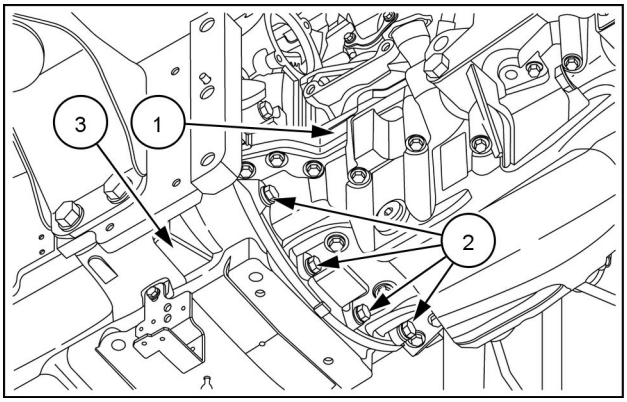
WLAPL4S10C140A 26

47. Remove the retaining screws **(1)** between the engine **(2)** and the transmission casing **(3)**.



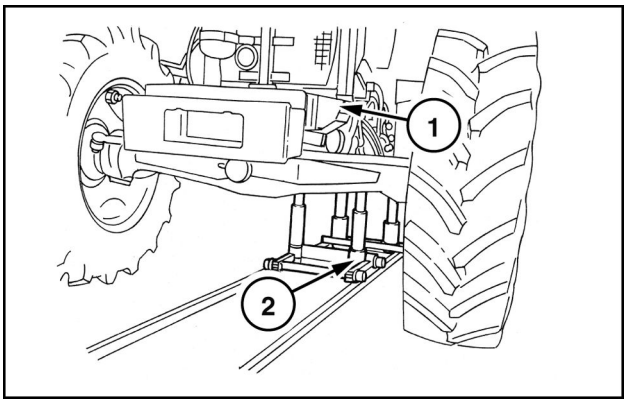
MOIL17TR00031AA 27

48. Remove the retaining screws **(2)** between the engine **(1)** and the transmission casing **(3)**.



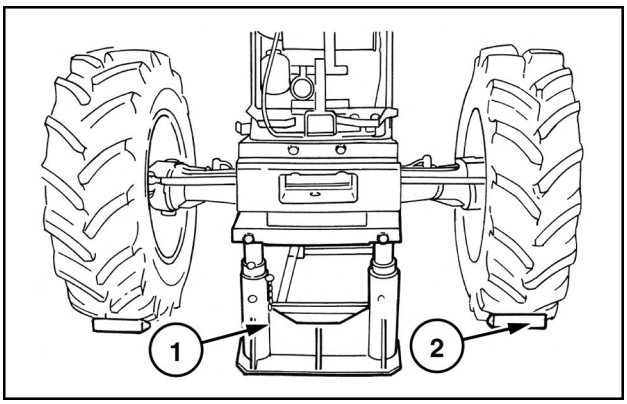
MOIL17TR00032AA 28

49. Separate the engine **(1)** from the transmission using the specific tool **380000405 (2)**.



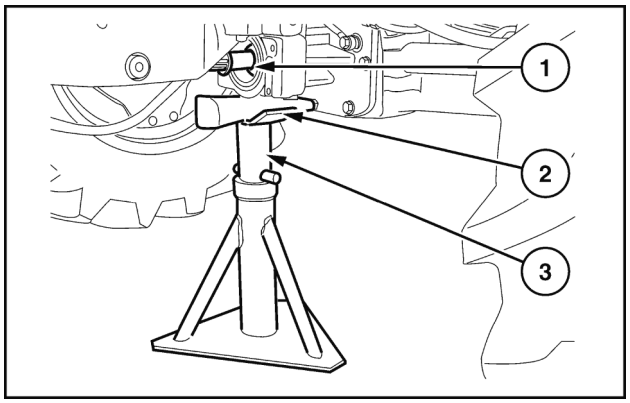
WLAPL4S10C131AA 29

50. Insert the fixed stand **(1)** under the ballast support and secure the front wheels with wooden wedges **(2)**.



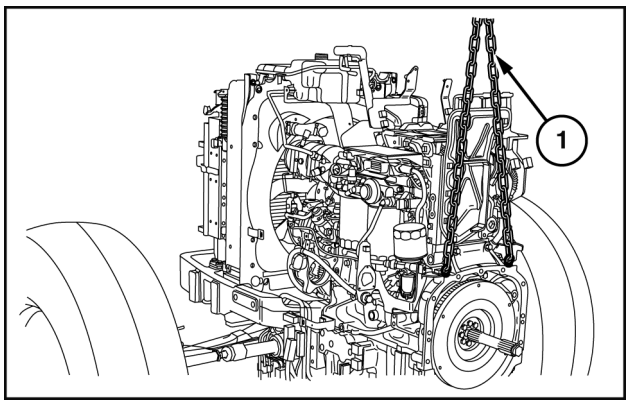
WLAPL4S10C132AA 30

51. Position a fixed stand **(3)**under the support of the groove **(1)** of the front axle drive component, placing a wooden plug **(2)** between parts **(3)** and **(1)**.



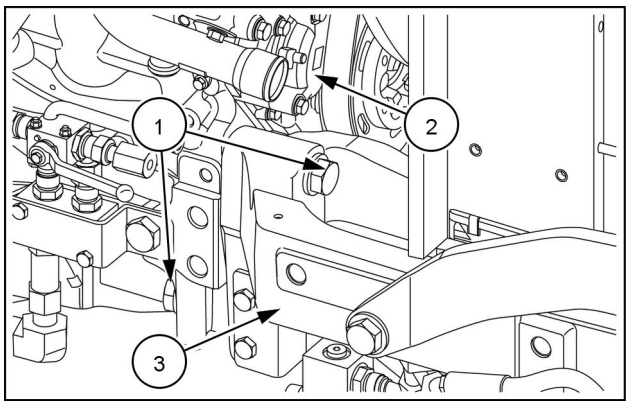
WLAPL4S10C133A 31

52. Position a jack stand under the rear part of the engine so as to be able to release the hoist with the coupling device in complete safety. Add a rope or chain **(1)** also on the front of the engine. Take up the slack with the lifting device, keeping the engine balanced.



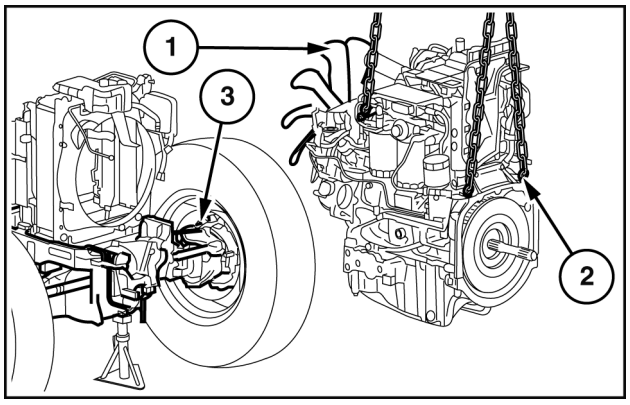
WLAPL4S10C136A 32

53. Remove the retaining screws **(1)** from the front axle support **(3)** on the engine **(2)**; repeat on both sides of the engine.



MOIL17TR00034AA 33

54. Check that there are no parts still connected or interfering with the engine or the transmission.
55. Remove the engine **(2)** from the front axle **(3)**, taking care not to carry out any manoeuvres that may damage the fan **(1)**.
56. Then, support the engine **(2)** using a suitable device.



WLAPL4S10C138A 34

Engine - Install

⚠ WARNING

Heavy objects!
Lift and handle all heavy components using lifting equipment with adequate capacity. Always support units or parts with suitable slings or hooks. Make sure the work area is clear of all bystanders.
Failure to comply could result in death or serious injury.

W0398A

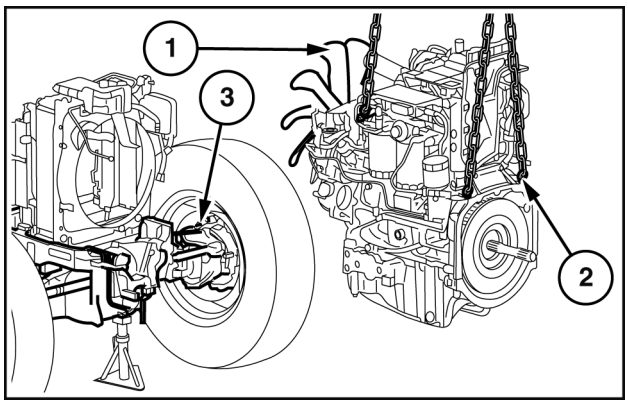
⚠ WARNING

Avoid injury!
Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.
Failure to comply could result in death or serious injury.

W0208A

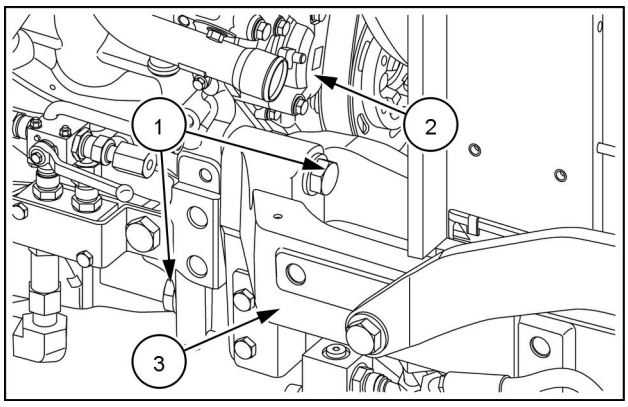
Prior operation:
Engine - Remove (10.001)

1. Slowly position the engine **(2)** on the front suspension **(3)** avoiding incorrect movements to prevent damaging the fan **(1)** and the radiator body.



WLAPL4S10C138A 1

2. Tighten the fastening screws **(1)** for the front suspension **(3)** on the engine block **(2)** to the specified tightening torque, as described in **Engine - Torque (10.001)**.



MOIL17TR00034AA 2

Suggest:

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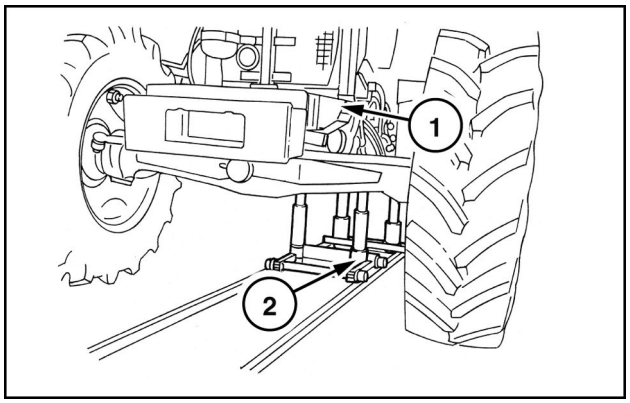
Please download this document

first, and then click the above link

to download the complete manual.

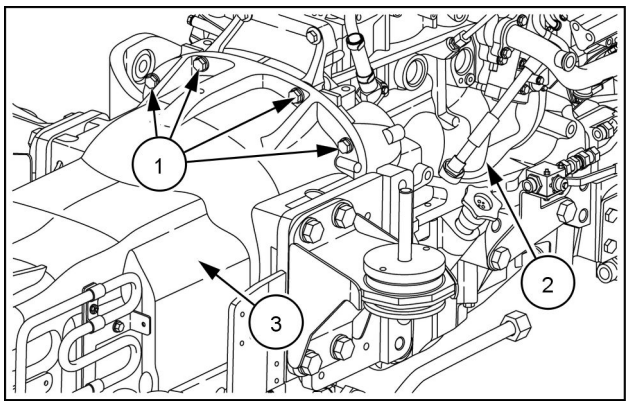
Thank you so much for reading

3. Using the special tool **380003114 (2)** move the whole engine lock front suspension **(1)** towards the transmission casing.



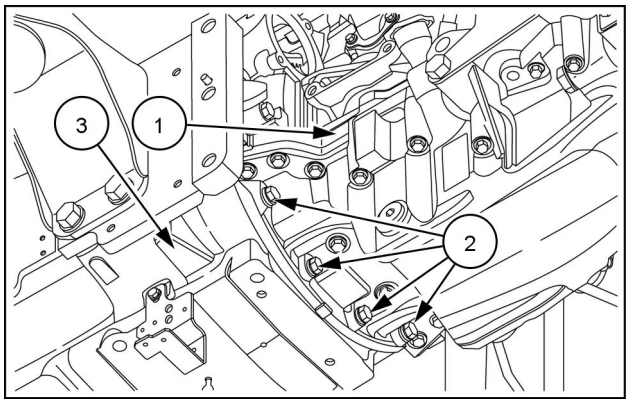
WLAPL4S10C131AA 3

4. Tighten the retaining screws **(1)** between the engine **(2)** and the transmission casing **(3)** and secure by tightening to the specified torque as described in **Engine - Torque (10.001)**.



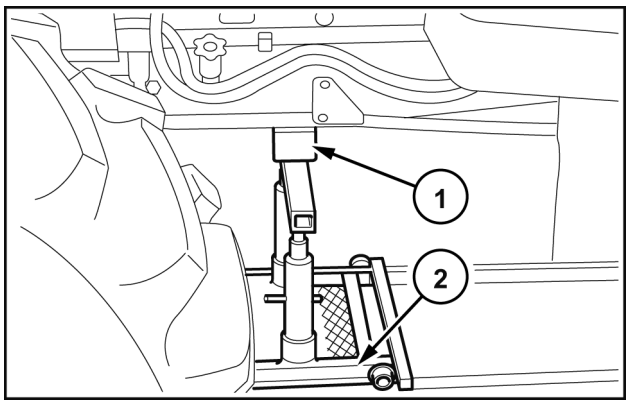
MOIL17TR00031AA 4

5. Tighten the retaining screws **(2)** between the engine **(1)** and the transmission casing **(3)** and secure by tightening to the specified torque as described in **Engine - Torque (10.001)**.



MOIL17TR00032AA 5

6. Remove the special tool **(2)** , **380003114** recovering the adapter plate **(1)**.



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