SERVICE MANUAL

T4.90 FB / T4.100 FB / T4.110 FB

Tractor

Part number 51427780
English
April 2018

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1 : Introduction

Index

1.1 Reading this manual 1-3
1.1.1 Introduction 1-4
1.1.2 Structure of this manual 1-4
1.1.3 Identifying the tractor 1-5

1.2 Safety rules 1-7
1.2.1 Essential preventive guidelines 1-8
1.2.2 Using the tractor safely 1-16

1.3 General 1-19
1.3.1 Spare parts 1-20
1.3.2 Specific tools 1-20
1.3.3 Oil seals for rotating shafts 1-20
1.3.4 Adjuster shims 1-20
1.3.5 O-ring seals 1-21
1.3.6 Sealants used 1-21
1.3.7 Spring pins 1-21

1.4 Technical characteristics 1-23
1.4.1 Engine 1-24
1.4.2 Transmission 1-25
1.4.3 Brakes 1-25
1.4.4 Steering wheel 1-25
1.4.5 Rear power take off 1-26
1.4.6 Front Power Take Off 1-26
1.4.7 Rear lift 1-26
1.4.8 Front lift 1-26
1.4.9 Hydraulic System 1-27
1.4.10 Electrical system 1-27
1.4.11 Driver zone 1-27
1.4.12 Cab 1-28
1.4.13 Towing devices 1-28
1.4.14 Towable masses 1-29
1.4.15 Ballast weights 1-29
1.4.16 Weights and dimensions 1-30
1.4.17 Lubricants 1-33
1.4.18 Speed 1-34
1.4.19 Conversion tables 1-37

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1.5 Tightening torques and sealants 1-39
1.5.1 Tightening torques for nuts 1-40
1.5.2 Tightening torques for ring nuts 1-40
1.5.3 Tightening torques for hex head screws 1-41
1.5.4 Tightening torques for stud bolts 1-41
1.5.5 Tightening torques for tapered plugs 1-41
1.5.6 Loctite sealant types 1-42

1.6 General assembly instructions 1-43
1.6.1 Oil seals 1-44
1.6.2 O-Rings 1-45
1.6.3 Bearings 1-46

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Model		T4.90 FB T4.100 FB T4.110 FB
A	Width at mudguards, without extensions	1170 mm
A	Width at mudguards, with extensions	1400 mm
B	Width at rear wheels	1368-1878 mm
C	Width at front wheels	1370-1788 mm
D	Height, GL cab version	2075 mm (min) 2150 mm (max)
D	Height, SG1 cab version	1804 mm (min) 1879 mm (max)
D	Height, ROPS version	2170 mm (min) 2245 mm (max)
E	ETRTO tyre radius	450 mm (min) 525 mm (max)
F	Overall vehicle height at rear axle midline - GL cab version	1625 mm
F	Overall vehicle height at rear axle midline - SG1 cab version	1354 mm
F	Overall vehicle height at rear axle midline - ROPS frame version	1720 mm
G	Cowl height	1250 mm (min) 1325 mm (max)
H	Length with ballast weights	3681-3781 mm
K	Length without ballast weights	3421-3521 mm
J	Wheelbase	1923 mm
L	Ground clearance	172 mm (min) 247 mm (max)

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2.32 Intake manifold

2.32.1 Removal

- Remove the exhaust manifold and any other components impeding removal of the intake manifold.
- If necessary, remove the EGR valve/throttle valve unit.
- Remove the nuts fastening the intake manifold and detach the intake manifold.
- Replace the manifold gasket if necessary.

A - intake manifold fastener nut

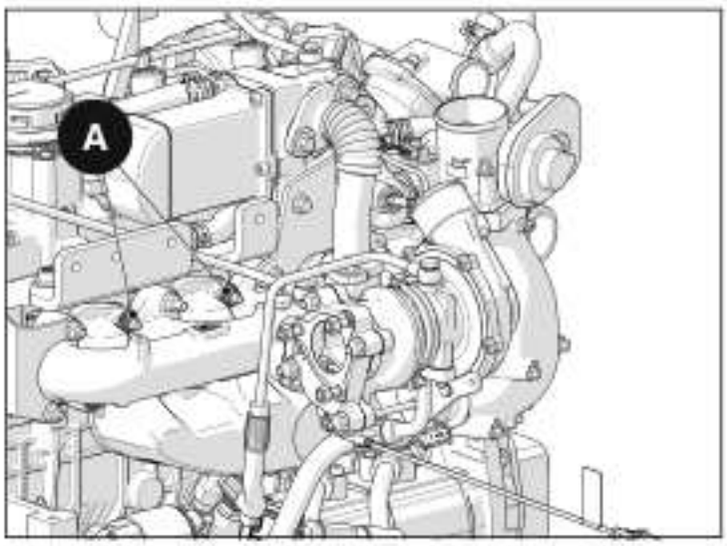


Fig. 2.118

2.32.2 Installation

- Fit a new gasket if necessary.
- Fit the nuts fastening the manifold and tighten in a cross pattern as indicated.

intake manifold fastener nuts	
tightening order 1, 2, 3, 4, 5, 6, 7, 8 - pre-tightening torque	27.5 Nm
tightening order 1, 2, 3, 4, 5, 6, 7, 8 - definitive tightening torque	27.5 Nm

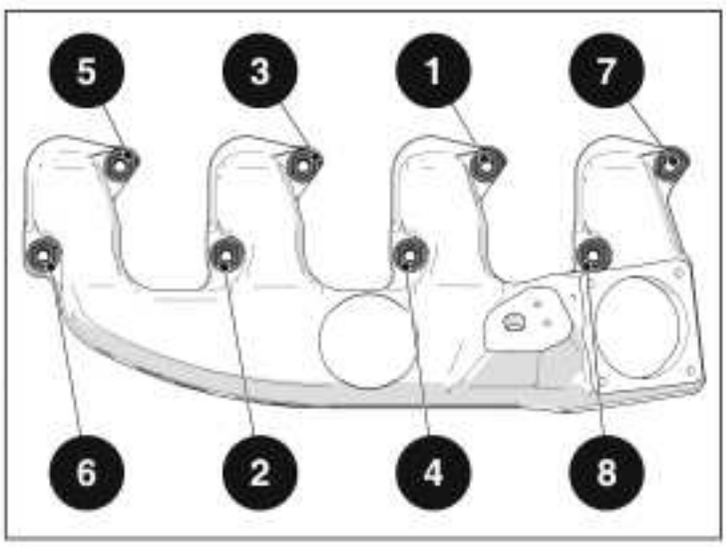


Fig. 2.119

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12.2 Main hydraulic circuit

Index

12.2.1 Base version 12-4

12.2.2 General description 12-6

12.3.1 Technical characteristics 12-8

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2.53.4 Assembly

- Lubricate the interior of the piston pin bush and the piston pin.
- Assemble the piston onto the connecting rod. (See the section "Connecting rod").
- Fit the piston pin in the piston and fit the circlip.
- Secure the assembled connecting rod and piston in a vice

Warning

Always fit the piston rings with any identification codes or markings ("CTOP", "PIP" or a reference dot) facing towards the top of the piston.

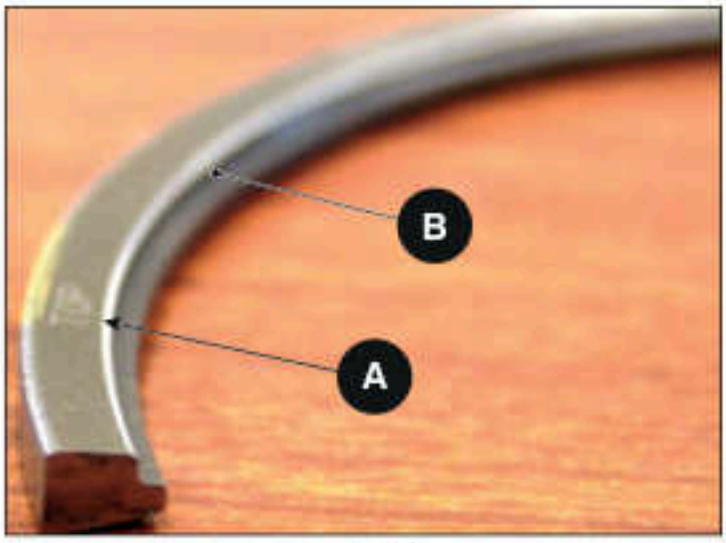


Fig. 2.186

A - identification codes or markings on piston rings
B - First compression ring

- Install the oil scraper ring in the bottom seat on the piston.
- Use a commercially available tool to install the oil scraper ring.
- Press the ring by hand to fit it correctly in the seat, and rotate the ring to check that it turns freely without sticking.
- Use the same tool to fit the second compression ring in the middle seat. The shorter end of the bevel must face towards the bottom of the piston.
- Press the ring by hand to fit it correctly in the seat, and rotate the ring to check that it turns freely without sticking. 10. Use the same tool to fit the first compression ring in the top seat.
- Press the ring by hand to fit it correctly in the seat, and rotate the ring to check that it turns freely without sticking.

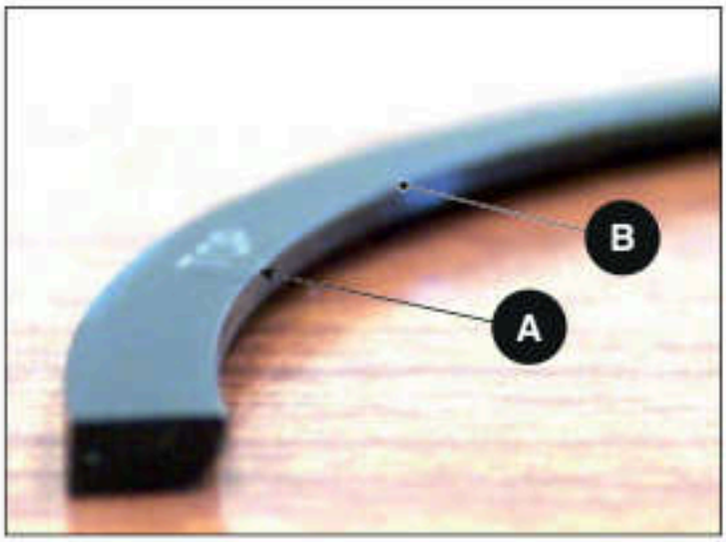


Fig. 2.187

A - identification codes or markings on piston rings
B - Second compression ring

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Disconnect the fuel return line from the tank.

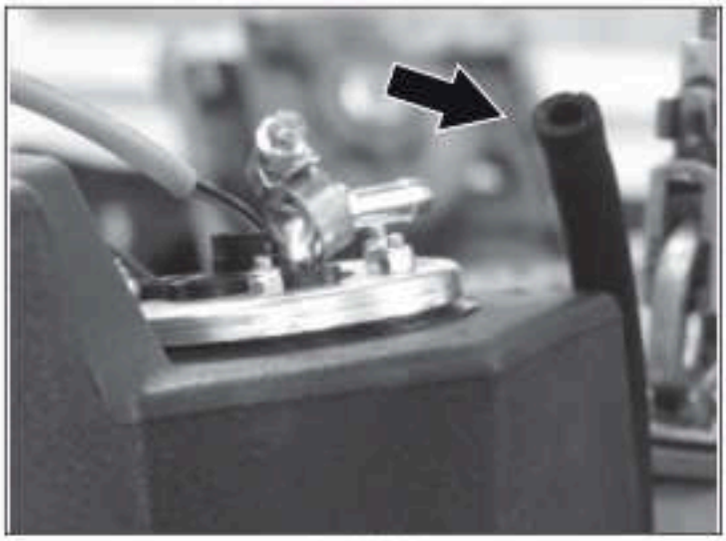


Fig. 13.51

Remove the nut fastening the ground point and remove the lug terminal.

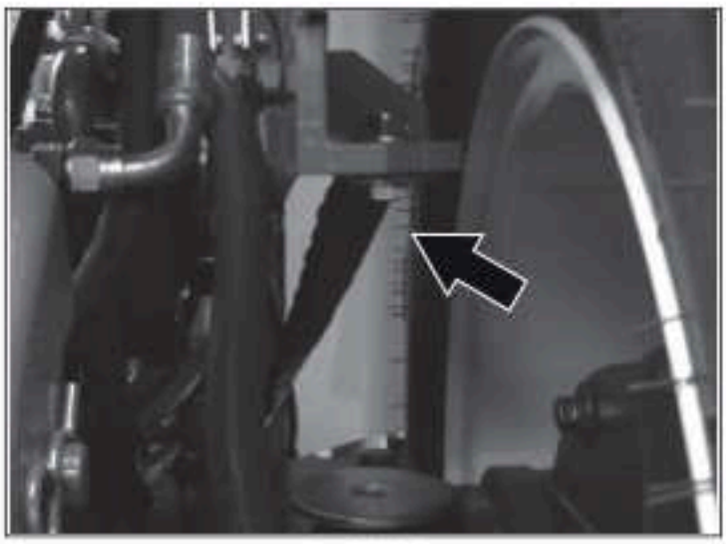


Fig. 13.52

Use the tool (B-07007181) to lift the platform.

> **Warning**
> Use a hoist of suitable lift capacity.

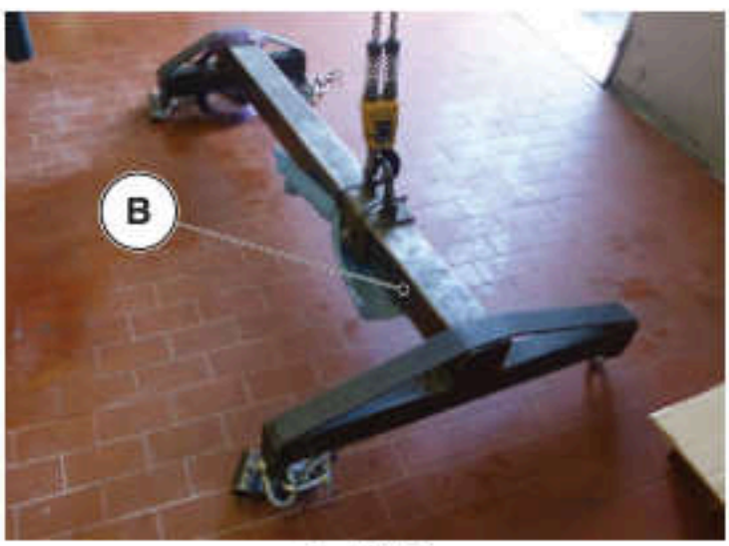


Fig. 13.53

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12.2.1 Base version

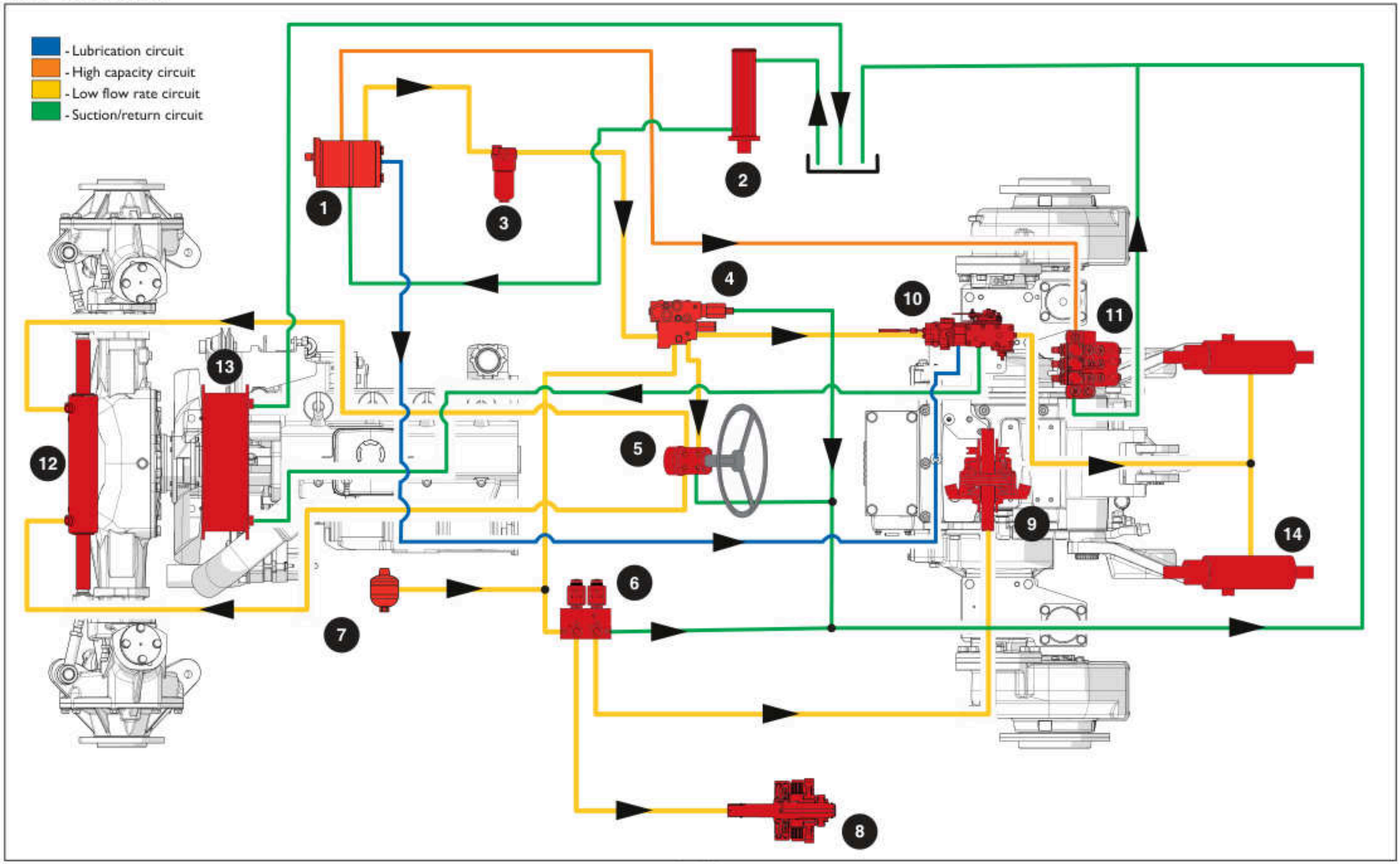


Fig. 12.1

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