SERVICE MANUAL

T4.90 / T4.100 / T4.110 / T4.120
Tier 4B (final)
Tractor

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Data for pipes and tapered fittings at 37°				Tapered fittings at 37° with toroidal seal (O-ring)
Dimension	∅ pipe	Thread		
16	25.4 mm (1 in)	1–5/16–12	149 - 163 N·m (109.9 - 120.22 lb ft)	108 - 122 N·m (79.66 - 89.98 lb ft)
20	31.8 mm (1.25 in)	1–5/8–12	190 - 204 N·m (140.14 - 150.46 lb ft)	129 - 156 N·m (95.15 - 115.06 lb ft)
24	38.1 mm (1.5 in)	1–7/8–12	217 - 237 N·m (160.05 - 174.8 lb ft)	163 - 190 N·m (120.22 - 140.14 lb ft)
32	50.8 mm (2 in)	2–1/2–12	305 - 325 N·m (224.96 - 239.71d lb ft)	339 - 190 N·m (250.03 - 140.14 lb ft)

The above listed tightening torques apply to normal, cadmium-plated or galvanized screws whether lubricated or not.

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Wiring harnesses - Electrical schematic sheet 19 SH-021_ENGINE_3_F5C_T4B

T4.100 without cab, with Dual Command™ transmission	
T4.110 without cab, with Dual Command™ transmission	
T4.120 without cab, with Dual Command™ transmission	
T4.90 without cab, with Dual Command™ transmission	

Type	Component	Connector / Link	Description
ECU	**A-005**	**X-460**	ADIC LOW LINE
Sensor	**B-010**	**X-354**	Fuel level sender
Sensor	**B-013**	**X-324**	Electronic Hand throttle
Sensor	**B-014**	**X-321**	Electronic Foot throttle
Relay	**K-007**		ENGINE FUEL HEATER RELAY
Resistor	**R-006**	**X-362**	Fuel heater
Switch	**S-059**	**X-357**	ENGINE INTAKE
Connector	X-001A	**X-001A**	Cab-Engine inline
Connector	X-001B	X-001B	Engine-cab inline
Connector	X-110	**X-110**	Fuse Relay Module R1-R8 F33-F36
Connector	X-300A	X-300A	Cab-transmission inline
Connector	X-300B	**X-300B**	Trasnmissison-cab inline
Connector	X-321	**X-321**	Electronic Foot throttle
Connector	X-324	**X-324**	Electronic Hand throttle
Connector	X-354	**X-354**	Fuel level sender
Connector	X-357	**X-357**	Engine intake filter
Connector	X-362	**X-362**	Engine Fuel Heater
Connector	X-420	**X-420**	ENGINE GND
Connector	X-450	**X-450**	ADIC LOW LINE CN1
Connector	X-460	**X-460**	ADIC LL-CN2

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5098-Rear Power Take-Off (PTO) fender switches – option not enabled

Control Module : CCU

Context:
The operator uses the ON/OFF switches to engage and disengage the rear Power Take-Off (PTO). The ON/OFF switches for the rear PTO are located inside the cab and on the rear fenders. The ON/OFF switches for the rear PTO are connected to the Central Control Unit (CCU).

Cause:
The CCU detects at its inputs the PTO fender switches (ON/OFF switches on the left-hand and the right-hand fender). But, the option for the PTO fender switches is not enabled while the rear PTO is ON.

Possible failure modes:

1. The option for the ON/OFF switches on the left-hand and the right-hand fender (rear PTO) is disabled (HH-menu).

Solution:

1. Make sure that the fault code is still present.

   A. If the fault code is no longer present, return the machine to normal operation.

   B. If the fault code is still present, continue to Step **2**.

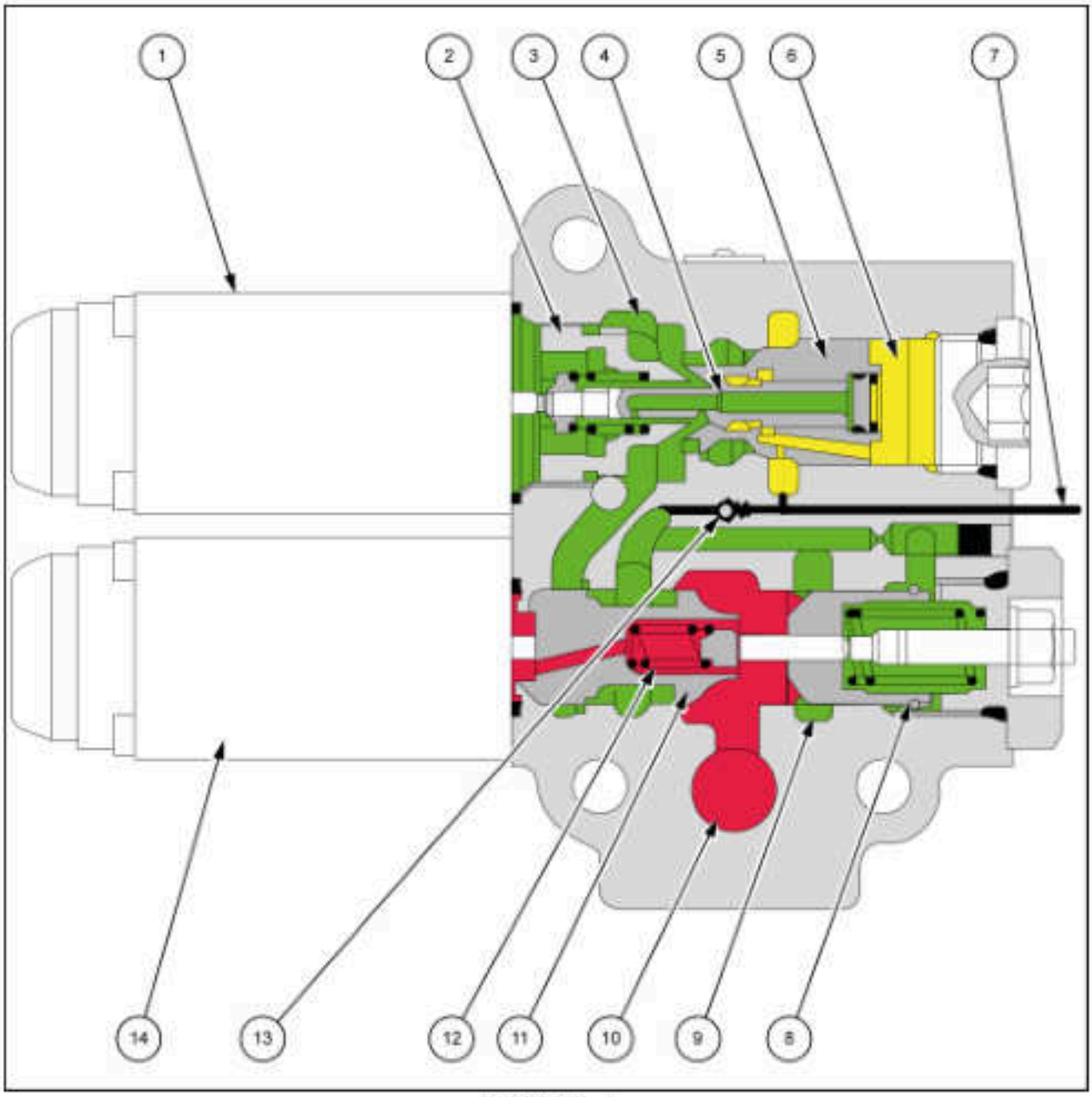
2. Check the configuration of the option for the ON/OFF switches on the left-hand and the right-hand fender (rear PTO).
   Access the HH MENU programs for the R1 unit and proceed with Rear PTO, H3, Channel 2 sub groups selection, select YES to enable the rear PTO fender switches option.
   .

   NOTE: *To enter the HH MENU programs, refer to dedicated chapter in this manual.*

   NOTE: *After the rectification of the cause of the fault code, clear the fault code. Then test the system for normal operation.*

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Front hitch hydraulic system valve - Static description



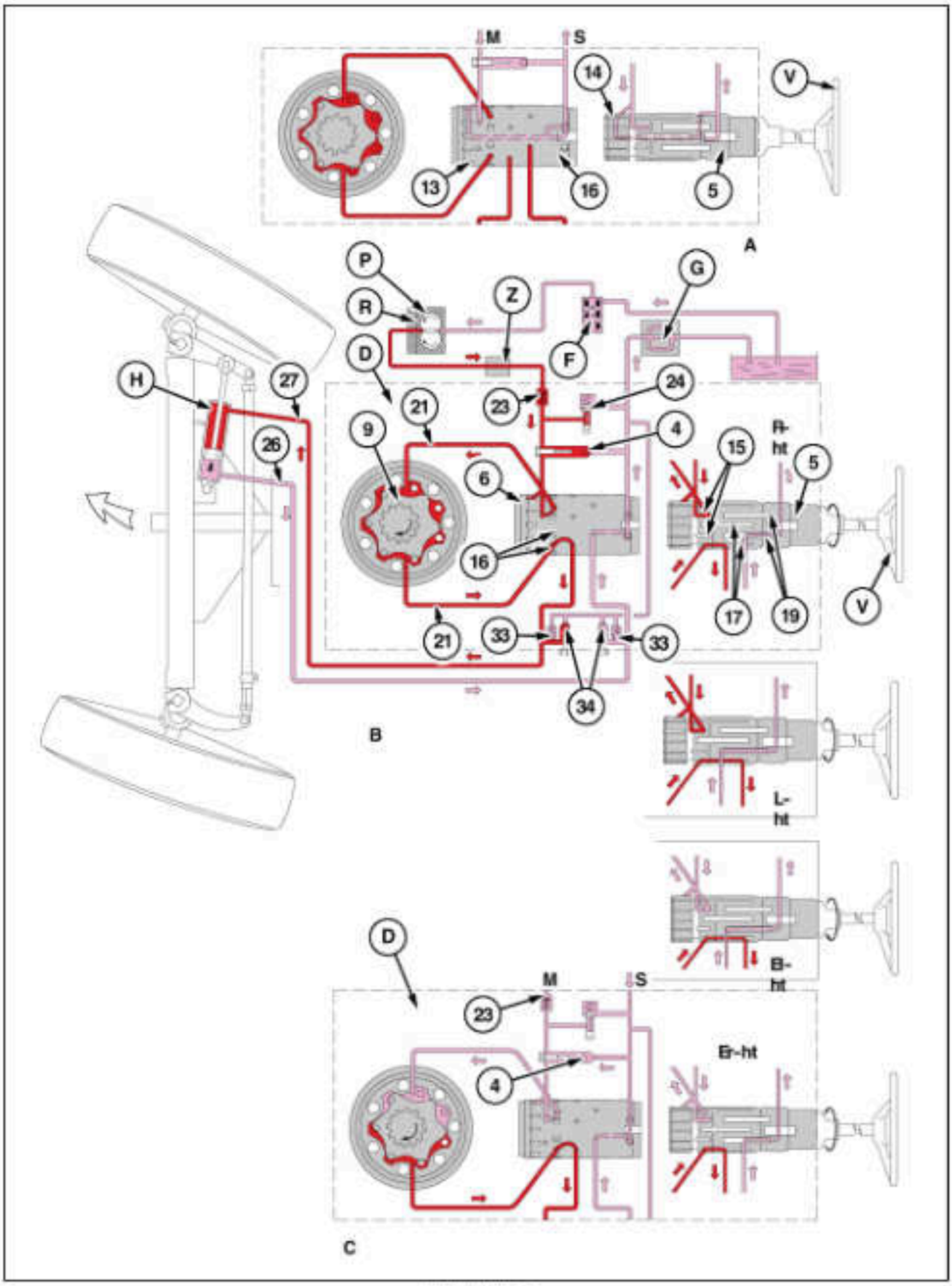
MOIL14TR0034GB 1

Functional schematic of electronically controlled front lift. Neutral phase

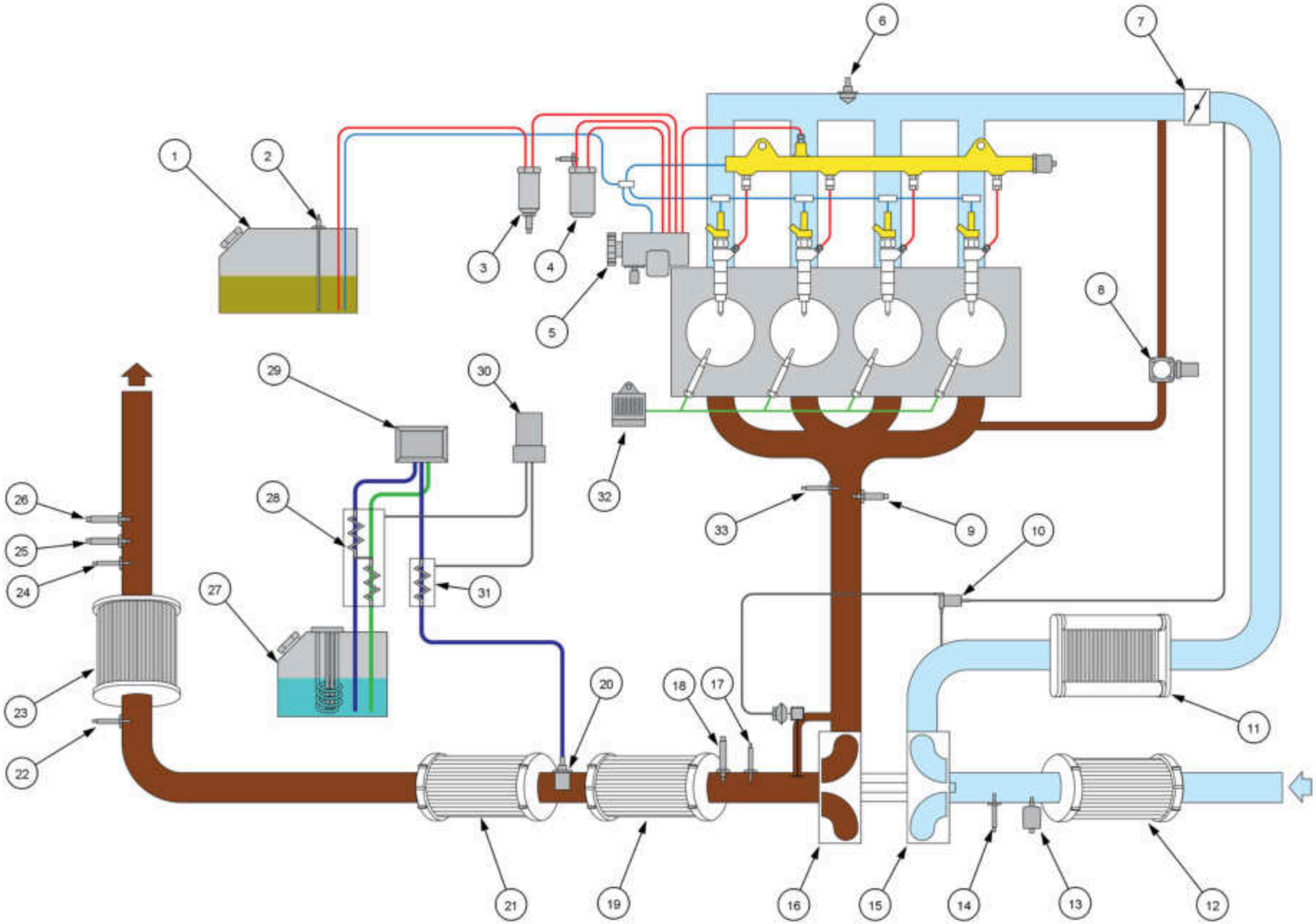
Trapped oil
Pressure oil
Exhaust oil

1. Lowering control solenoid valve
2. Fixed seat of lowering control valve
3. Discharge compartment
4. Lowering control valve actuator
5. Lowering control valve
6. Lowering control valve compartment
7. To lift cylinder
8. Pressure Compensator Valve
9. Excess pressure discharge compartment
10. Oil coming from the pump
11. Lifting control valve
12. Valve calibration spring **(11)**
13. Non-return valve
14. Lifting control solenoid valve

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