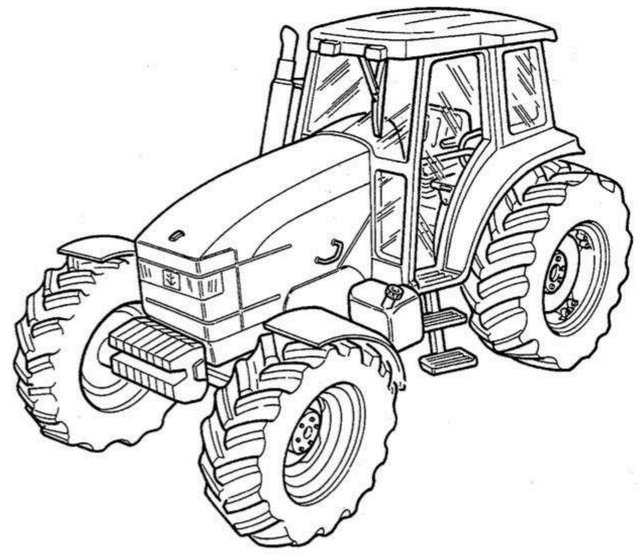


NEW HOLLAND 100 HP 115 HP 135 HP 160 HP Tractors

SERVICE MANUAL

NEW HOLLAND AGRICULTURE

SERVICE

6035432100

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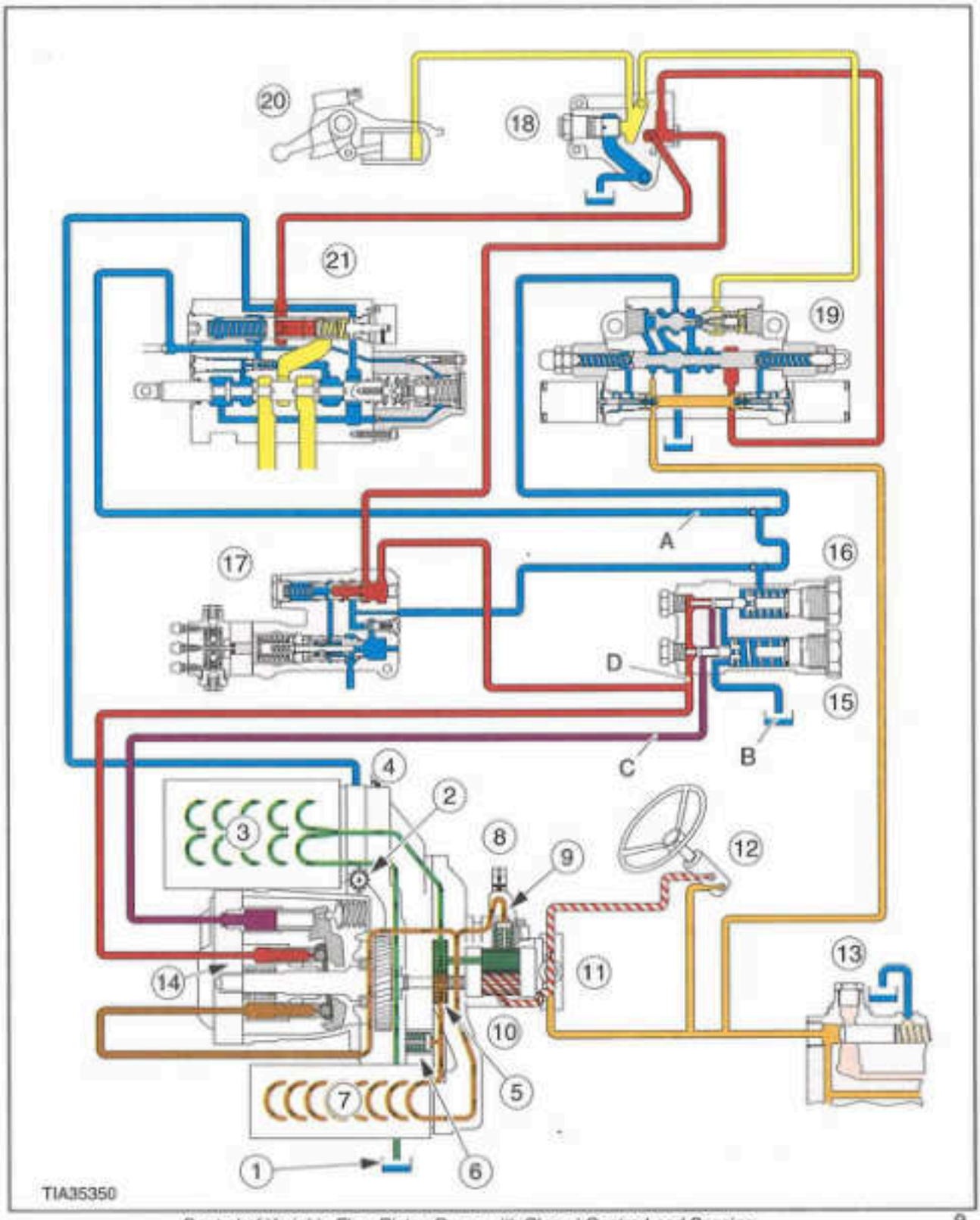
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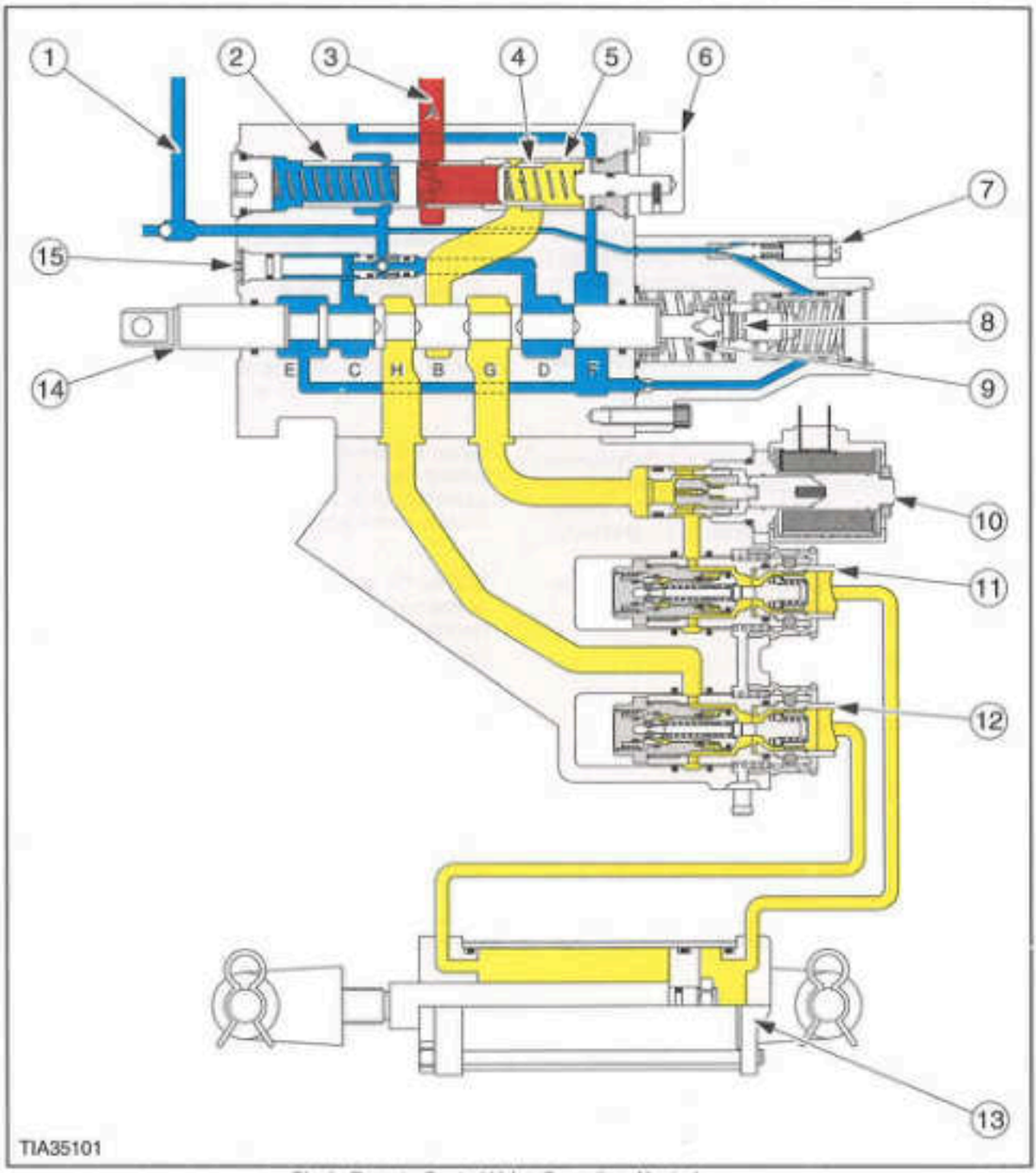
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Control of Variable Flow Piston Pump with Closed Centre Load Sensing When Regulating Standby Pressure (Low Pressure Standby) 9

- Steering System Oil
- Standby Pressure Oil 21–24 bar (310–350 lbf/in²)
- Low Pressure Circuit Oil 16–18 bar (232–261 lbf/in²)
- Charge Pressure Oil 1.6–3.4 bar (23–50 lbf/in²)
- Return to Reservoir Oil
- Control Pressure Oil
- Suction Oil
- Lubrication Circuit
- Trapped Oil

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Single Remote Control Valve Operation–Neutral 12

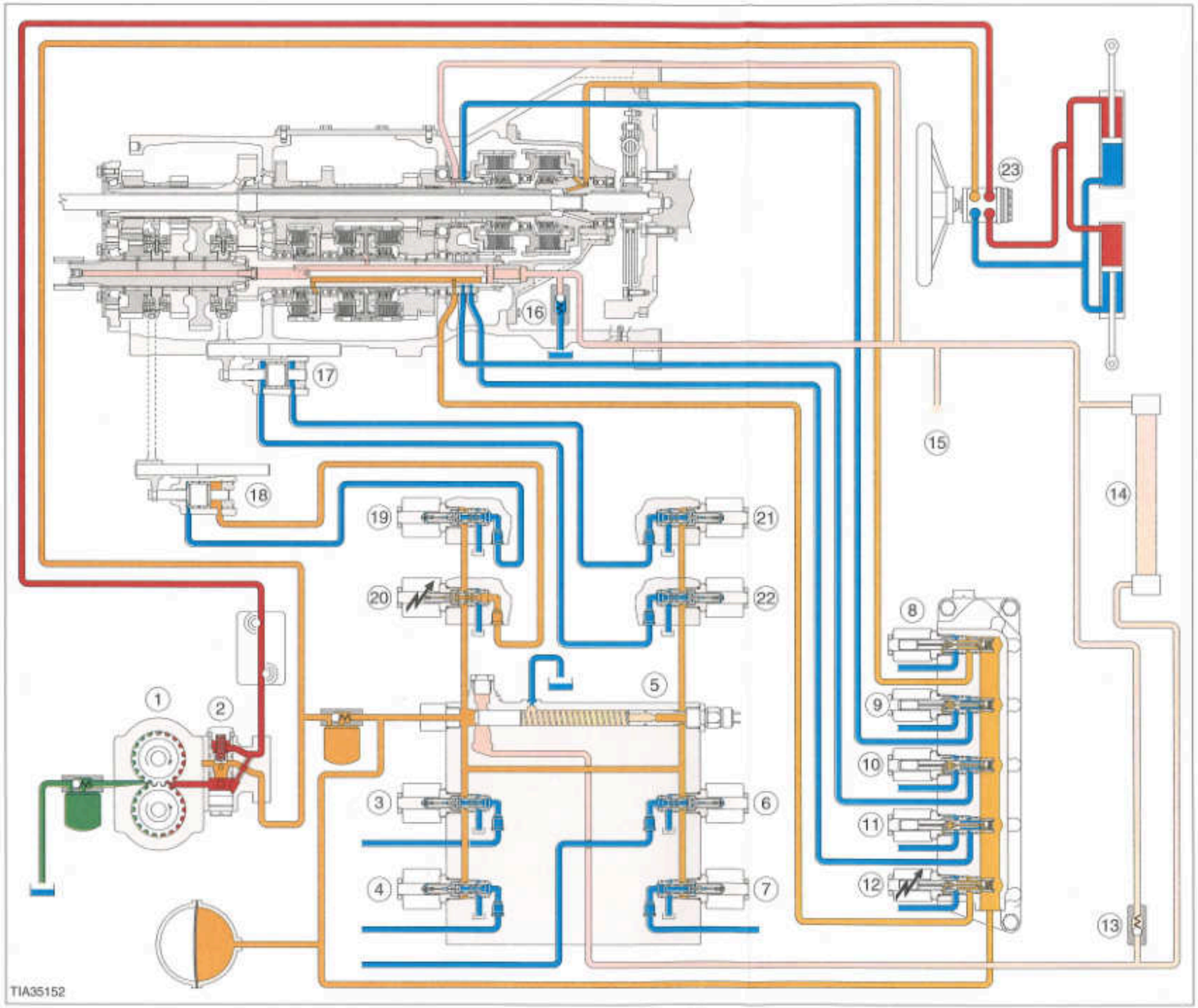
Pump Pressure Oil

Exhaust Oil

Trapped Oil

1. Load Sensing (Pilot) line
2. Flow Control Spool
3. Hydraulic Pump Supply
4. Load Check Valve
5. Flow Control Restrictor
6. Flow Control Knob
7. Detent Regulating Valve
8. Detent Spool Assembly
9. Centring Spring
10. Lock Valve (where fitted)
11. Extend Coupler
12. Retract Coupler
13. External Cylinder
14. Control Valve Spool
15. Shuttle Check Valve

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Steering, Low Pressure and Lubrication Circuit Tractors with Semi Powershift Transmission

- Steering System Oil
- Lubrication Circuit Oil
- Low Pressure Circuit Oil @ 16 – 18 bar (230 – 261 lbf/in²)
- Return to Reservoir Oil
- Suction Oil

1. Steering and Low Pressure Circuit Pump
2. Steering Flow Control Valve
3. Differential Lock
4. PTO Engagement Solenoid
5. Low Pressure Regulating Valve
6. Differential Lock Solenoid
7. Four Wheel Drive Solenoid
8. A Clutch PWM Valve
9. B Clutch PWM Valve
10. C Clutch PWM Valve
11. D Clutch PWM Valve
12. E Clutch PWM Valve
13. Oil Cooler By-pass Valve
14. Oil Cooler
15. Lubrication to Pump Drive Gear, PTO and Lift Cross Shaft
16. Lubrication Circuit Relief Valve
17. Actuator – Low and High Range Synchroniser
18. Actuator – Medium and Reverse Range Synchroniser
19. Reverse Range Solenoid Valve
20. Medium Range Solenoid Valve
21. Low Range Solenoid Valve
22. High Range Solenoid Valve
23. Steering Motor

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