FORD

Service Manual

Tractors
TW5, TW15, TW25, TW35
8530, 8630, 8730, 8830





40000580

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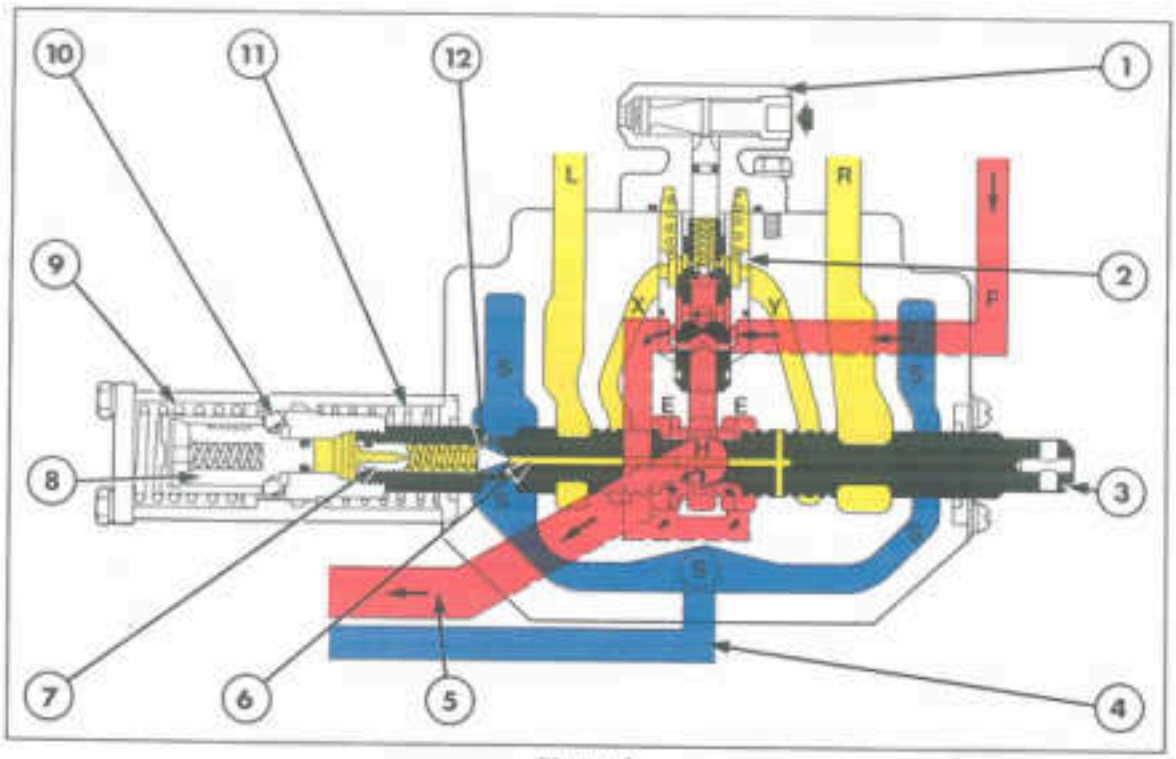


Figure 4

Remote Control Valve Oil Flow — Neutral

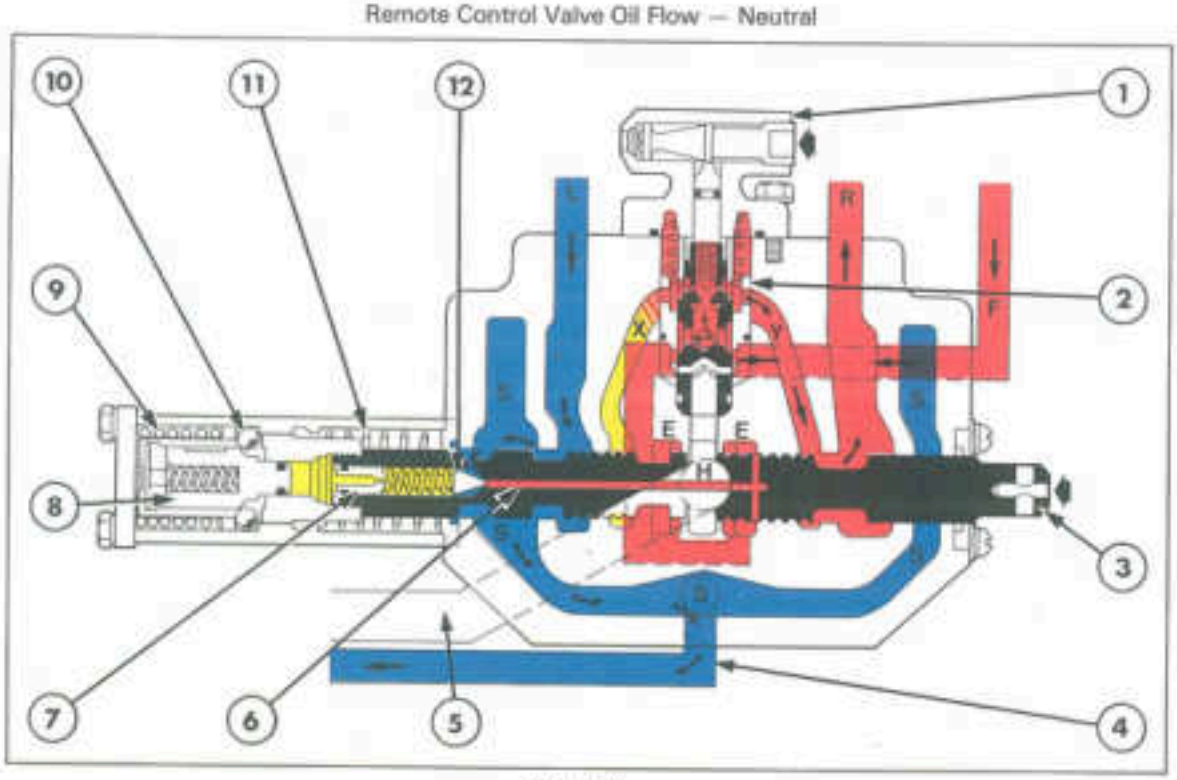


Figure 5

Remote Control Valve Oil Flow — Raising

Supply Pressure Oil

Reservoir, Suction and Exhaust Oil

Trapped Oil

1. Actuator Housing
2. Flow Control Valve Assembly
3. Control Valve Spool
4. To Sump
5. To Tractor Hydraulic System
6. Drilled Passage
7. Adjusting Plug
8. Detent Piston
9. Outer Centring Spring
10. Detent Balls
11. Inner Centring Spring
12. Poppet

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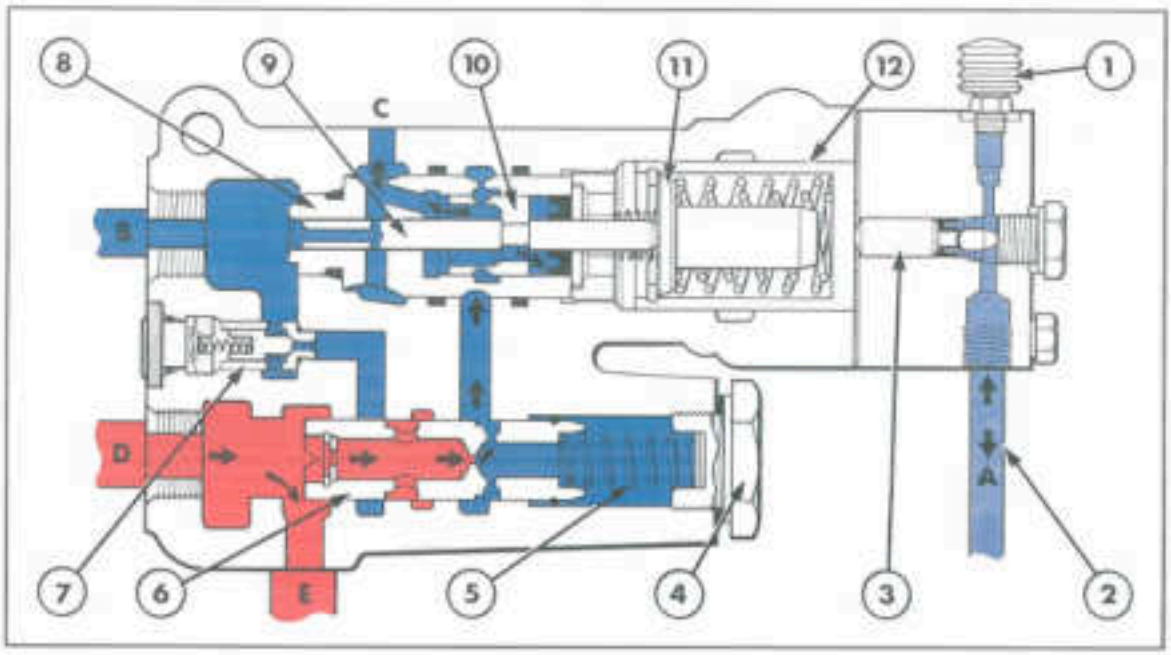


Figure 4
Trailer Brake Valve — Spool in Neutral Position

1. Bleed Fitting
2. Pilot Line
3. Piston
4. End Cap
5. Spring
6. Flow Control Spool

Supply Oil
Return Oil
Pilot Line Oil

7. Check Valve
8. Control Spool Bore
9. Control Spool Plunger
10. Control Spool
11. Spring Cap
12. Pressure Relief Element

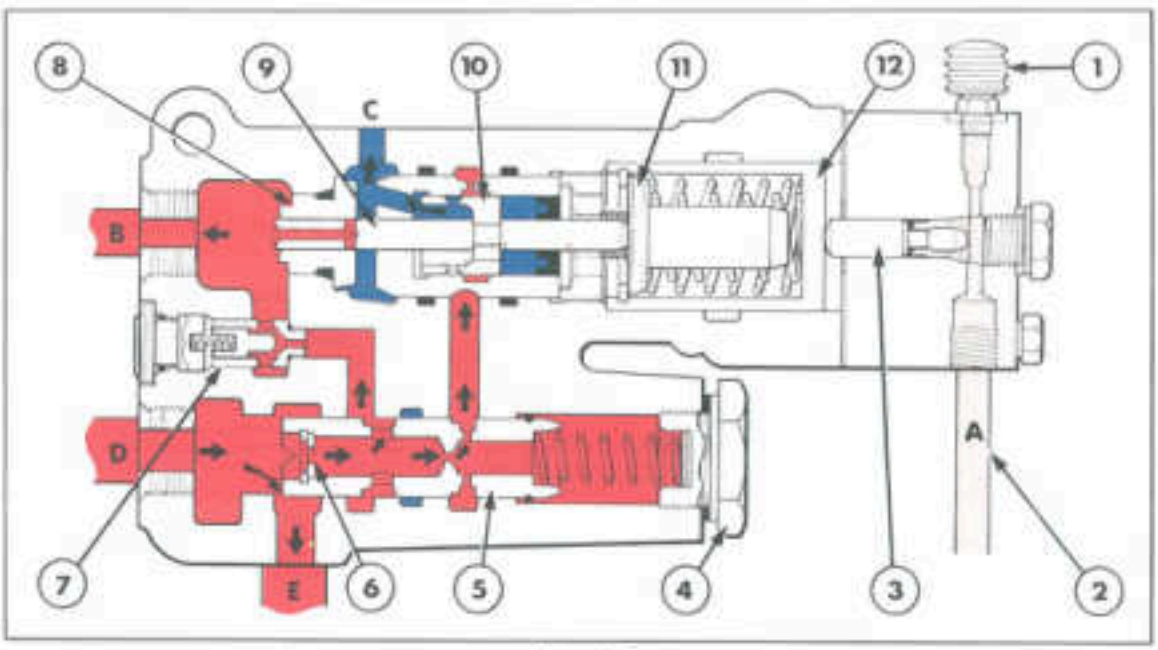


Figure 5
Trailer Brake Valve — Spool in Applied Position

1. Bleed Fitting
2. Pilot Line
3. Piston
4. End Cap
5. Flow Control Spool
6. Flow Control Orifice

Supply Oil
Return Oil
Pressurised Pilot Line Oil

7. Check Valve
8. Control Spool Bore
9. Control Spool Plunger
10. Control Spool
11. Spring Cap
12. Pressure Relief Element

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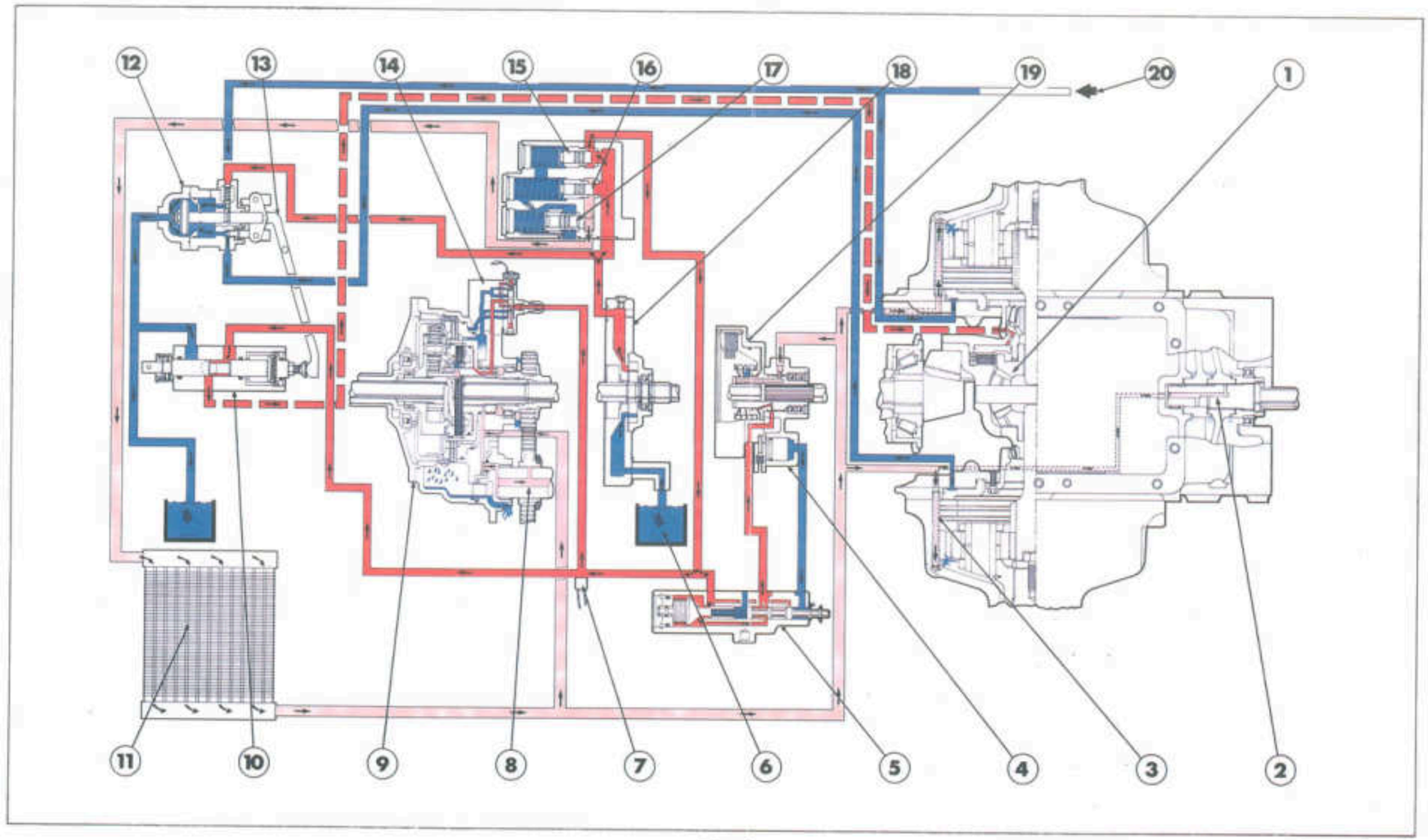


Figure 5
TW-35 Low Pressure Hydraulic System

System Pressure Oil

Lubrication Pressure Oil

Reservoir, Suction and Exhaust Oil

1. Differential Lock
2. P.T.O. Stub Shaft Lubrication
3. Final Drive Lubrication
4. P.T.O. Brake
5. P.T.O. Control Valve
6. Pump Intake Strainer
7. Transmission Oil Pressure Switch
8. Countershaft Needle Bearing Lubrication
9. Dual Power Assembly
10. Differential Lock Valve
11. Oil Cooler
12. Power Brake Valve
13. Brake/Differential Lock Interlink
14. Dual Power Control Valve
15. Brake Priority Valve
16. System Pressure Regulating Valve
17. Lubrication Pressure Valve
18. Gerotor Pump
19. P.T.O. Clutch
20. From Trailer Brake Valve

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