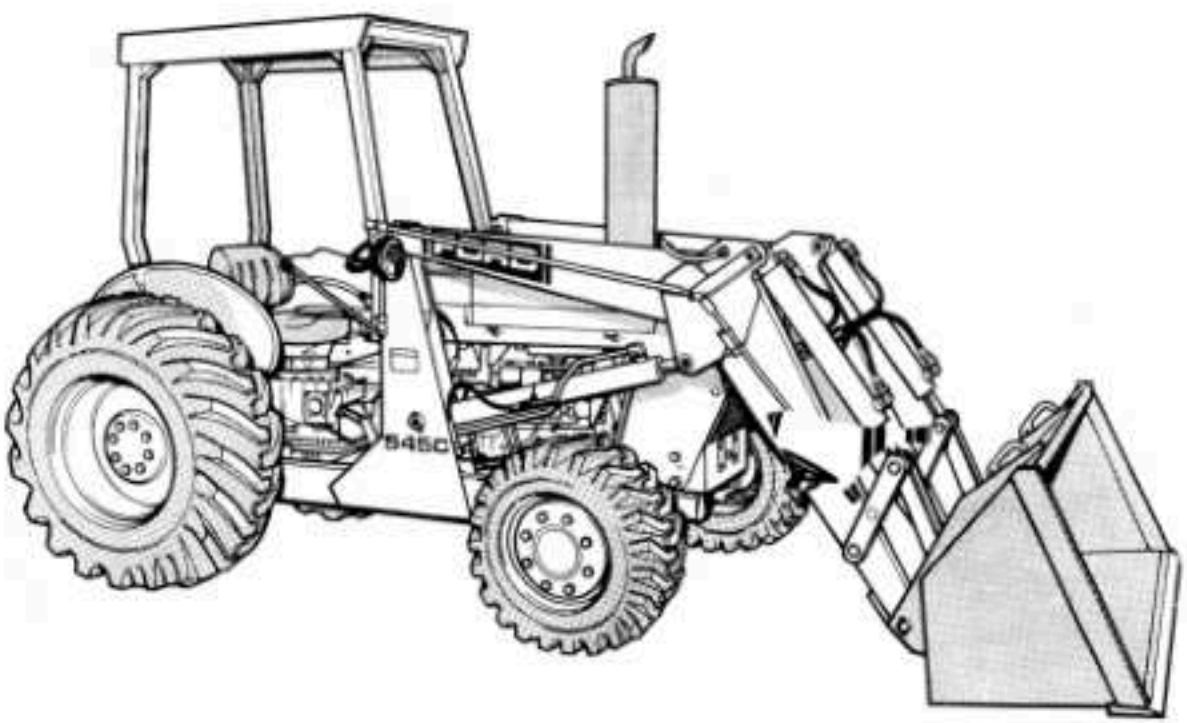
FORD

Service Manual

Tractor Loader
345C – 445C – 545C

Ref. No. SE 4281



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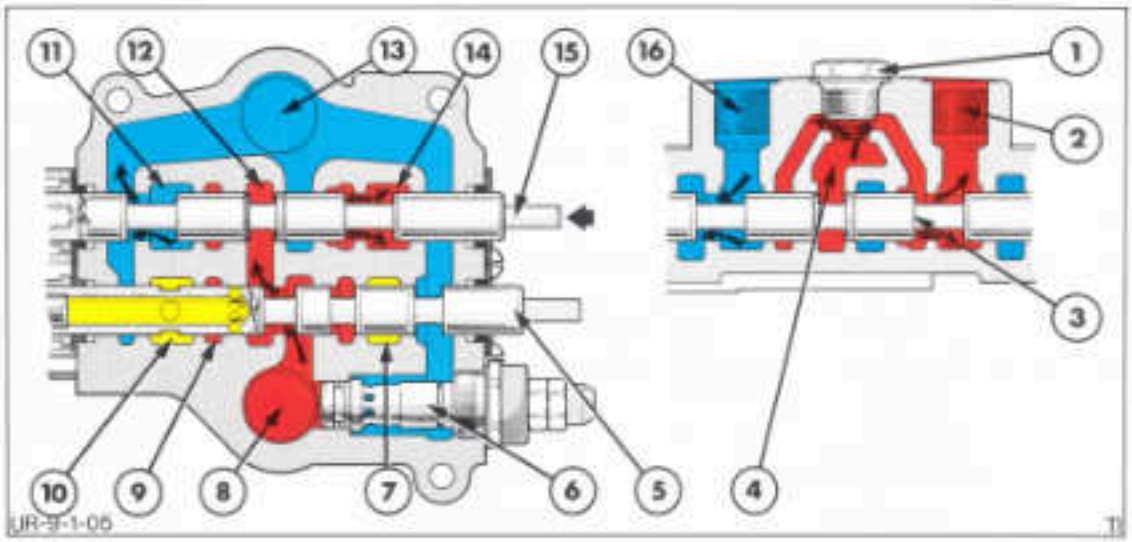


Figure 13

Lift Spool – Raising Position

1. Check Valve
2. Piston Port
3. Lift Spool
4. Pressure Gallery
5. Bucket Spool
6. Relief Valve
7. Piston Port
8. Pump Oil
9. Pressure Gallery
10. Rod Port
11. Rod Port
12. Pressure Gallery
13. Return Port
14. Piston Port
15. Lift Spool
16. Rod Port

Pressure Oil | Return Oil | Trapped Oil

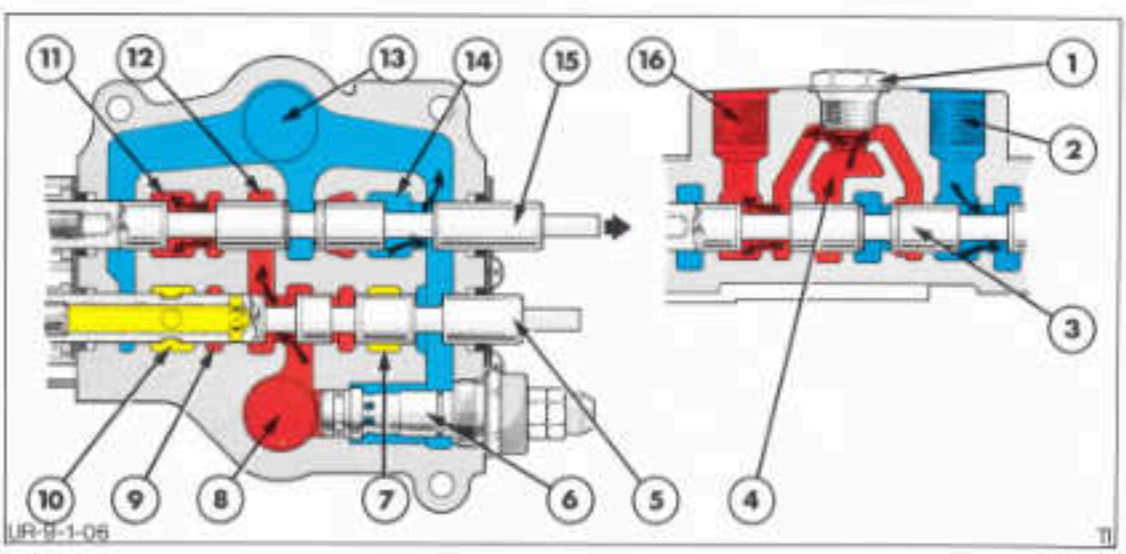


Figure 14

Lift Spool – Lowering Position

1. Check Valve
2. Piston Port
3. Lift Spool
4. Pressure Gallery
5. Bucket Spool
6. Relief Valve
7. Piston Port
8. Pump Oil
9. Pressure Gallery
10. Rod Port
11. Rod Port
12. Pressure Gallery
13. Return Port
14. Piston Port
15. Lift Spool
16. Rod Port

Pressure Oil | Return Oil | Trapped Oil

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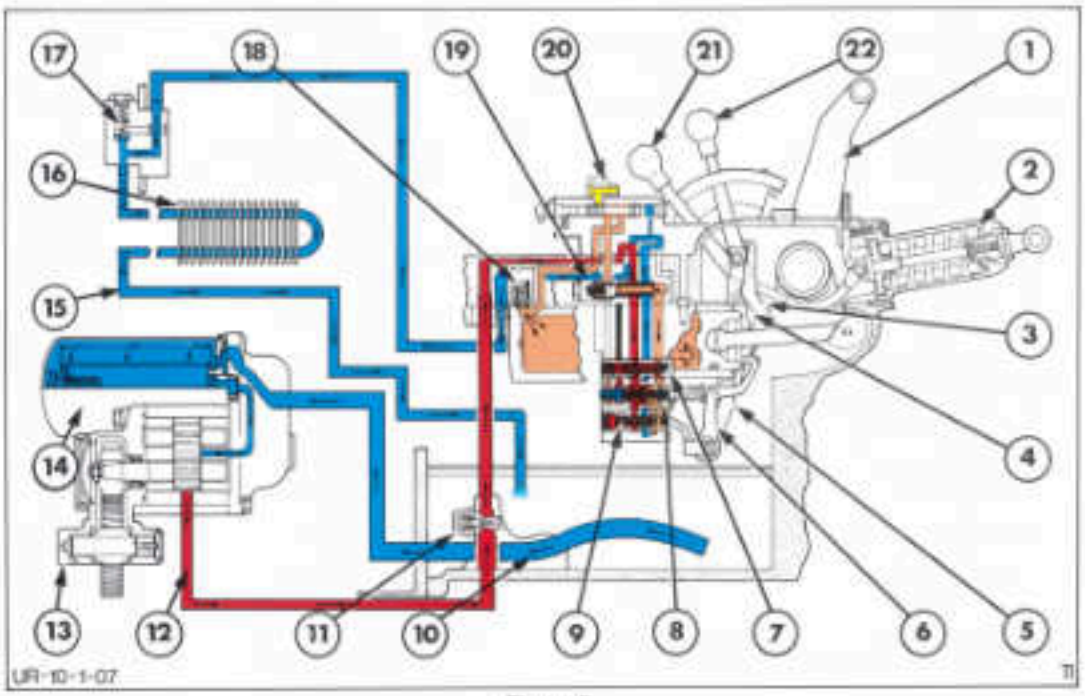


Figure 7
Oil Flow when Slow Raising

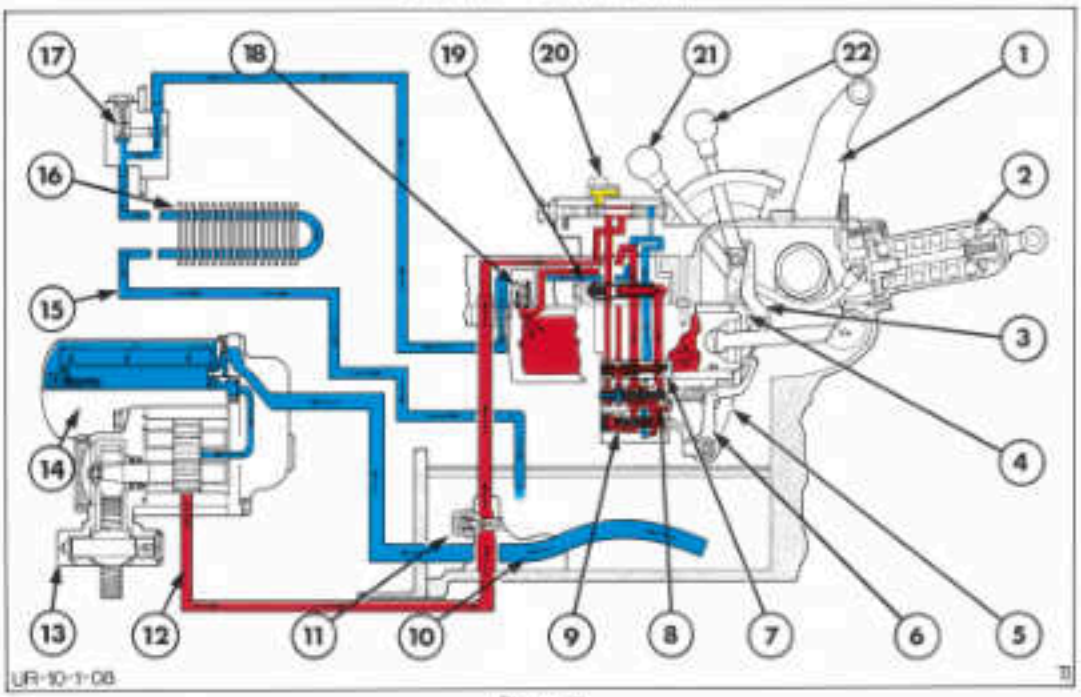


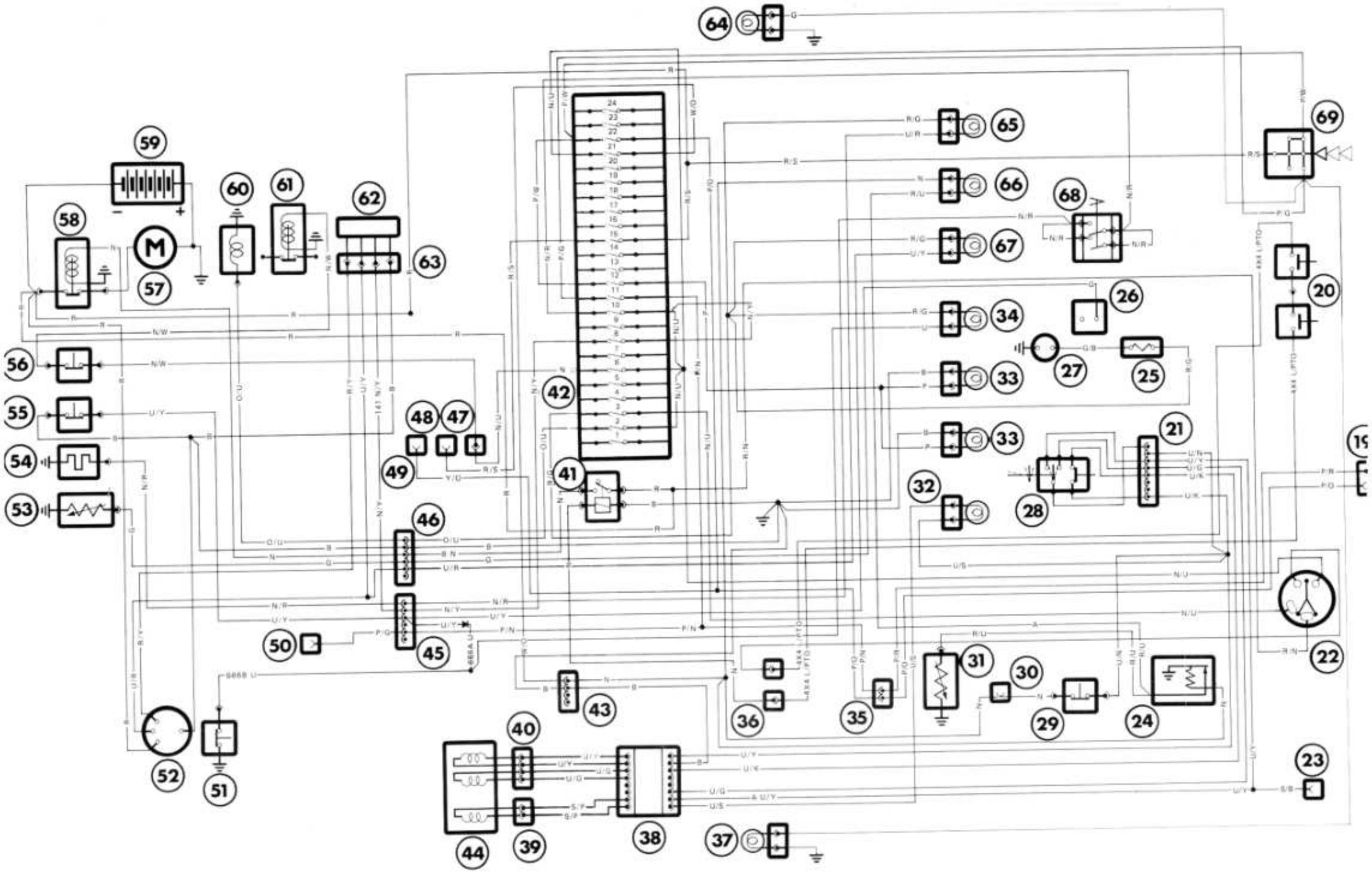
Figure 8
Oil Flow when Fast Raising

Pump Pressure Oil | Reduced Pump Pressure Oil | Reservoir Suction and Exhaust Oil | Trapped Oil

A. Drop Port
B. Lift Port

1. Lift Arm
2. Draft Control Spring
3. Draft Lever
4. Position Lever
5. Actuating Lever
6. Control Valve Lever
7. Unload Valve
8. Control Valve
9. Feathering Valve
10. Hydraulic Pump Inlet Tube
11. Pressure Relief Valve
12. Pump Pressure Tube
13. Engine Mounted Gear Type Hydraulic Pump
14. Micronic Intake Filter
15. Oil Cooler Return to Sump
16. Oil Cooler (where fitted)
17. Cooler Valve
18. Lift Cylinder Safety Valve
19. Check Valve
20. ASC Valve
21. Draft Control Lever
22. Position Control Lever

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