

TROUBLE SHOOTING

TROUBLE	POSSIBLE CAUSE	TROUBLE	POSSIBLE CAUSE
Implement Will Not Lift	<ol style="list-style-type: none"> 1. PTO Shaft not in Gear 2. Badly Scored or Binding Ram Cylinder 3. Binding Control Valve 4. Binding Pump Side Plate Valves 5. Broken Control Valve Stem 6. Blown Old Type Flat Gasket 7. Relief Valve Spring Very Weak 8. Broken Ram Cylinder 9. Split or Leaky Riser Tube 10. Congealed Oil due to Extreme Cold 11. Control Valve Unhooked from Vertical Fork 12. Loose Cap Screws on Valve Chamber 	Pump Noisy or Knocking	<ol style="list-style-type: none"> 1. Foaming Oil 2. Worn or Broken Pump Cams 3. Improper PTO Shifter Housing to Pump Side Plate Clearance 4. Improperly Aligned Pump 5. Starved Pump due to Improper Quadrant Setting
Implement Will Not Lower	<ol style="list-style-type: none"> 1. Seized Ram due to a Scored or Binding Cylinder 2. Binding Control Valve 3. Cap Screws on Lift Arms too Tight 	Implement Jerks When in Raised Position	<ol style="list-style-type: none"> 1. Check Chain Anchors Installed Upside Down 2. Twisted Check Chain 3. Reversed Lower Links 4. Improperly Seated Safety Valve 5. Weak Fork Retractor Spring 6. Leaking Riser Tube
Slow or Erratic Action	<ol style="list-style-type: none"> 1. Badly Scored or Binding Ram Cylinder 2. Binding Control Valve 3. Broken Control Valve 4. Weak Retraction Spring 5. Leaking Gaskets 6. Side Chamber Valves Binding on Guide Rod 7. Loose or Split Riser Tube 8. Scored Pump Pistons 9. Oil Contains Dirt or Abrasive Substance 10. Valves Assembled Upside Down in Pump Chambers 11. Binding Control Valve Oscillator Drive 	Implement Fails to Lift at Idle Speed	<ol style="list-style-type: none"> 1. Loss of Oil Pressure Between Pump and Ram Cylinder 2. Relief Valve Spring
		Implement Lifts But Falls When Pump is Stopped	<ol style="list-style-type: none"> 1. Improperly Seated Relief Valve 2. Scored Ram Cylinder 3. Faulty or Worn Ram Piston Rings 4. Loss of Oil Pressure Between Pump and Ram Cylinder 5. Sticking Control Valve
		Implement Will Not Maintain Desired Working Depth	<ol style="list-style-type: none"> 1. Implement Out of Adjustment 2. Dull Tools 3. Quadrant Maladjusted

FERGUSON SYSTEM

TROUBLE

POSSIBLE CAUSE

4. Implement Has too Much Suck
5. Soil Texture Varies
6. Binding Automatic Control Linkage
7. Sticking Control Valve
8. Top Link Improperly Adjusted

PTO Shift Lever
Binds or Sticks.

1. Drive Shaft to PTO Retainer Assembly (TO-708)

TROUBLE

POSSIBLE CAUSE

- Clearance Incorrect
2. Drive Shaft-PTO Shifter Rail (TO-719) Clearance Incorrect. Flashings on the Drive Shaft not Ground to Give Proper Clearance

Pump Does Not
Function After
Assembly in
Tractor

1. Air Lock in Pump in Side Chambers