



Troubleshooting Guide - DF1 - Differential/Drive Line Fluid Exchange Machine

Symptom 1: No Fluid Extraction when Using "Old/Used Fluid" Switch

Action:

1. Check air pressure - ensure it's set to 40 psi
2. Verify all air connections are secure and not leaking
3. Inspect flexible extension hose for blockages or damage
4. Ensure fluid is at proper operating temperature (minimum 100°F)
5. Check if the used fluid reservoir is full and needs emptying

Symptom 2: New Fluid Not Dispensing

Action:

1. Verify new fluid reservoir has sufficient fluid
2. Check pressure regulator settings
3. Inspect hose bib/spigot for blockages
4. Ensure all switches are in correct positions
5. Check for air leaks in the new fluid line system

Symptom 3: Pressure Gauges Not Reading Correctly

Action:

1. Check for air leaks in the system
2. Verify shop air pressure is adequate (minimum 90 psi recommended)
3. Inspect gauge connections
4. Calibrate or replace gauges if necessary

Symptom 4: Fluid Leaks During Operation

Action:

1. Check all hose connections and tighten if necessary
2. Inspect hoses for cracks or damage
3. Verify O-rings and seals are in good condition
4. Ensure pressure settings don't exceed 40 psi



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Symptom 5: Poor Fluid Flow Rate

Action:

1. Verify fluid temperature is at least 100°F
2. Check for hose kinks or restrictions
3. Clean or replace any clogged filters
4. Adjust pressure regulators to optimal settings

General Maintenance Tips:

1. Regularly clean both used and new fluid hoses
2. Inspect all connections monthly
3. Keep pressure regulators clean and properly adjusted
4. Clean spigot/hose bib after each use
5. Empty used fluid reservoir regularly