

Ten Step Troubleshooting Process

1 Define the Problem

- Flow?
- Pressure?
- Direction?

2 Consult Schematic

- Can you trust it?
- I.D. each component
- Determine functions

3 List Suspect Components

Avoid rushing to conclusions

4 Isolate Sub-Circuits

- Block off sub-circuits not involved

Does the problem remain?
You can remove that whole sub-circuit from the list.

5 Determine Order of Checking

- Use your experience
- Check the easy stuff first!

6 Physical Observations

- Installation
- Signals
- Adjustments
- Heat
- Leakage
- Noise
- Vibration

7 Test Components

Confirm faulty component with:

- Flow Meters
- Pressure Gauges

8 Repair/ Replace Failed Component

- Parts in stock?
- Warranty Issue?
- Cheaper/Faster to replace?

9 Verify System

At normal:

- Pressures
- Temperatures
- Duty Cycles
- Shock Loads

10 New Learning

- Find the root cause of the problem.
- Take steps to prevent recurrence.

