Trouble-Shooting Flow Chart for ASSE 1015 (DC) Assemblies

**Attach test kit**

**Test #1**
Tightness of #2 shutoff valve

1. Close #2 shutoff valve
2. Open TC #4
3. Close TC #2

- Differential reading holds steady NO
  - #2 shutoff valve is leaking and must be repaired

- YES PASS

**TEST #2**
Tightness of #1 check valve

1. Close TC #4
2. Close High valve
3. Remove Bypass hose from TC #4
4. Open TC #2
5. Slowly open Low valve to cause differential reading to rise-close

- Is differential ≥1 psid? NO
  - Repair check

- YES PASS

**TEST #3**
Tightness of #2 check valve

1. Close TC #2 and TC #3
2. Remove High and Low hoses
3. Attach High hose to TC #3
4. Attach Low hose to TC #4
5. Open TC #3
6. Open High valve - close when air is released
7. Open TC #4
8. Open low valve - close when air is released
Is differential \( \geq 1 \text{ psid} \)?

- **YES**
  - PASS
  - Remove test kit. Restore system to pre-test status.
  - TEST COMPLETE

- **NO**
  - FAILURE
  - Repair check

Remove test kit. Restore system to pre-test status.