1) BLEED TEST PORTS TO REMOVE ANY DEBRIS, BLEEDING IN SEQUENCE 4, 3, 2, 1 OR 4, 1, 2, 3, LEAVING # 4 TEST PORT DRIPPING TO HELP PREVENT OPENING OF RELIEF VALVE
2) CLOSE ALL VALVES ON TESTER
3) CLOSE SHUT-OFF VALVE # 2
4) ATTACH HIGH HOSE TO TEST PORT # 3
5) ATTACH LOW HOSE TO TEST PORT # 4
6) OPEN TEST PORTS # 3 AND # 4
7) BLEED ALL AIR FROM HOSES AND TESTER, BLEEDING LOW SIDE LAST TO ESTABLISH PRESSURE DIFFERENTIAL. CLOSE BLEDERS SLOWLY
8) GAUGE MUST INDICATE AT LEAST 1.0 PSID. (REPORT # 2 CHECK VALVE SPRING LOADING ON FORM)
9) CLOSE TEST PORTS AND REMOVE TEST EQUIPMENT
10) ATTACH HIGH HOSE TO TEST PORT # 2
11) ATTACH LOW HOSE TO TEST PORT # 3
12) OPEN TEST PORTS # 2 AND # 3
13) BLEED AIR FROM TESTER AND HOSES
14) LOOSLY ATTACH BYPASS HOSE TO TEST PORT # 4. CRACK OPEN HIGH AND BYPASS VALVES ON TESTER TO BLEED AIR FROM BYPASS HOSE
15) WITH WATER SEEPING FROM BYPASS HOSE, TIGHTEN BYPASS HOSE CONNECTION, FULLY OPEN HIGH & BYPASS VALVES, AND OPEN TEST PORT # 4
16) GAUGE MUST NOT DROP TO A POINT THAT RELIEF VALVE OPENS. IF IT DOES, CHECK VALVE # 2 IS LEAKING. (REPORT LEAKING OR TIGHT CHECK VALVE # 2 ON FORM)
17) CLOSE TEST PORT # 2. GAUGE MUST HOLD STEADY AND NOT DROP TO 0. IF IT DOES SO, SHUT-OFF VALVE # 2 IS LEAKING. (REPORT LEAKING OR TIGHT SHUT-OFF VALVE # 2 ON FORM) THE UNIT CANNOT BE ACCURATELY TESTED IF THERE IS FLOW THROUGH IT. SEE TEXT FOR TESTING AN RP WHEN THERE IS A SLIGHTLY LEAKING SHUT-OFF VALVE # 2.

18) CLOSE TEST PORT # 4

19) CLOSE ALL VALVES ON TESTER AND REMOVE BYPASS HOSE

20) OPEN TEST PORT # 2

21) BLEED LOW SIDE TO REESTALLSH DIFFERENTIAL PRESSURE

22) GAUGE MUST HOLD STEADY AT 5.0 PSID OR HIGHER. IF SO, CHECK VALVE # 1 IS HOLDING TIGHT. (REPORT LEAKING OR TIGHT CHECK VALVE # 1 ON FORM) (REPORT CHECK VALVE # 1 SPRING LOADING IN BOTH INDICATED PLACES ON FORM)

23) CLOSE ALL VALVES ON TESTER

24) OPEN HIGH VALVE ON TESTER

25) VERY SLOWLY OPEN LOW VALVE ON TESTER

26) FEEL FOR THE FIRST DRIP FROM THE RELIEF VALVE WHILE WATCHING THE GAUGE. (REPORT RELIEF VALVE OPENING PRESSURE IN BOTH INDICATED PLACES ON FORM)

27) SUBTRACT RELIEF VALVE OPENING PRESSURE FROM CHECK VALVE # 1 SPRING TENSION TO DETERMINE PSID IN REDUCED PRESSURE ZONE. THIS MUST BE AT LEAST 3 PSID

28) CLOSE ALL VALVES ON TESTER, CLOSE TEST PORTS # 2 & # 3, REMOVE TEST EQUIPMENT AND RETURN DEVICE TO ORIGINAL CONDITION