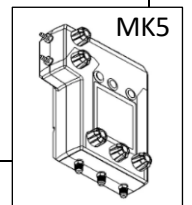
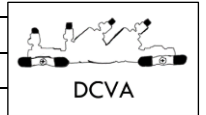


## DCVA Test Using the MAKO MK5 5-Valve Test Kit, per USC FCCCHR Manual 10

Step	Procedure
1.	<b>NOTIFY OWNER</b> , identify, inspect, observe assembly
2.	<p><b>OPEN TEST COCKS</b></p> <ul style="list-style-type: none"> <li>a. Open and then close Test Cock (TC) #1, followed by TC #2, TC #3, and TC #4</li> <li>b. If TC #3 is not the highest point of the check valve body, install sight tube or pipe at TC #3</li> </ul> <p>Note: Install appropriate fittings to test cocks if needed.</p>
3.	<p><b>CONNECT TEST KIT</b></p> <ul style="list-style-type: none"> <li>a. Verify MK5 is turned on and captured values are cleared (Hold Down the Back Button)</li> <li>b. Close all MK5 test kit valves</li> <li>c. Connect bleed-off valve arrangement to TC #2, and the hose from the high side of the MK5 to the bleed-off valve arrangement</li> <li>d. Bleed air from MK5 by opening the high side bleed valve then closing the high side bleed valve</li> <li>e. Open TC #3 to fill TC #3 (or tube/pipe) so that the water level is above the top of the check valve body, then close TC #3</li> </ul>
4.	<p><b>ATTAIN SUPPLY PRESSURE and ISOLATE DCVA</b></p> <ul style="list-style-type: none"> <li>a. Close #2 shutoff valve</li> <li>b. If you need to report supply pressure, <b>RECORD psid reading (Press the Capture Button)</b></li> <li>c. Elevate MK5 so that the Rate-of-Change graph is level with the water at TC #3</li> <li>d. Close #1 shutoff valve</li> </ul>
5.	<p><b>TEST CHECK VALVE #1</b></p> <ul style="list-style-type: none"> <li>a. Slowly open TC #3</li> <li>b. Once the reading stabilizes and water stops running out of TC #3 or is no more than a drip:</li> <li>c. <b>RECORD psid reading (Press the Capture Button)</b></li> <li>d. Close all test cocks</li> <li>e. Open #1 shutoff valve</li> <li>f. Remove all test equipment</li> </ul>
6.	<p><b>CONNECT TEST KIT</b></p> <ul style="list-style-type: none"> <li>a. Connect bleed-off valve arrangement to TC #3, and the hose from the high side of the MK5 to the bleed-off valve arrangement</li> <li>b. If TC #4 is not at the highest point on the check valve body, install sight tube at TC #4</li> <li>c. Open TC #3 and bleed air from MK5 by opening the high side bleed valve then closing the high side bleed valve</li> <li>d. Open TC #4 to fill TC #4 (or tube/pipe) so that the water level is above the top of the check valve body</li> <li>e. Close TC #4</li> </ul>
7.	<p><b>TEST CHECK VALVE #2</b></p> <ul style="list-style-type: none"> <li>a. Elevate MK5 so that the Rate-of-Change graph is level with the water at TC #4</li> <li>b. Close #1 shutoff valve</li> <li>c. Slowly open TC #4</li> <li>d. Once the reading stabilizes and water stops running out of TC #4 or is no more than a drip:</li> <li>e. <b>RECORD psid reading (Press the Capture Button)</b></li> <li>f. Close all test cocks</li> </ul>
8.	<p><b>REMOVE EQUIPMENT</b></p> <ul style="list-style-type: none"> <li>a. Slowly open #1 and #2 shutoff valves and remove all test equipment</li> <li>b. Open the high, low, and bypass valves and the high/low bleed valves; drain water from hose(s)</li> <li>c. Notify owner</li> <li>d. Fill out test report</li> </ul>



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