
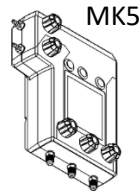


## DCVA Test Using the MAKO MK5 5-Valve Test Kit, per USC FCCCHR Manual 10

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



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