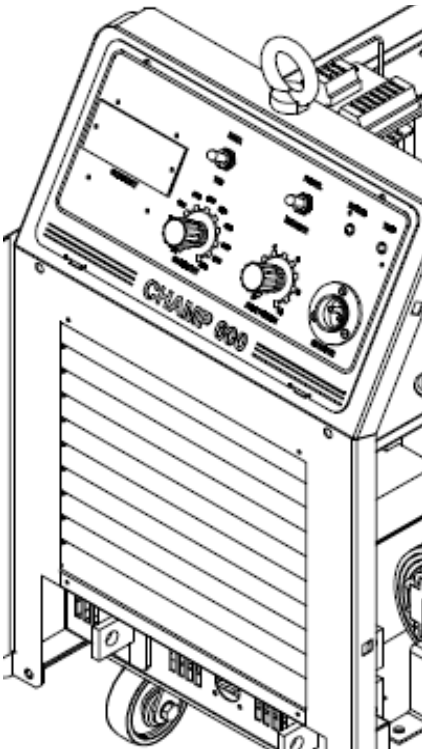




# **ADOR WELDING LIMITED** **WELDING EQUIPMENT GROUP**

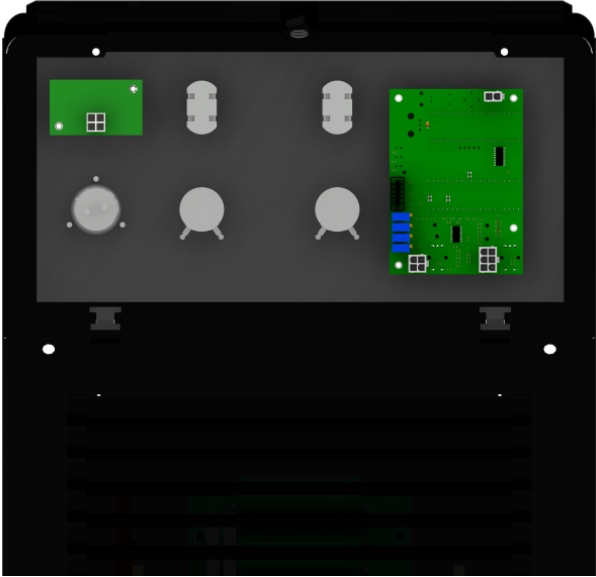
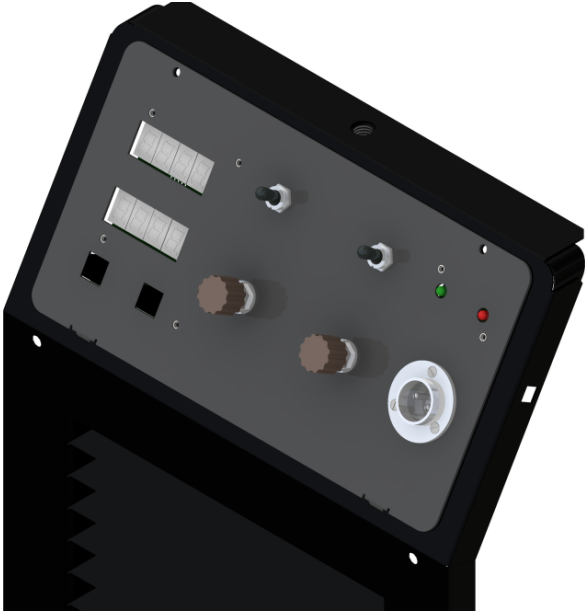
DATE: 04/01/2019

## **INSTRUCTIONS FOR IMPLEMENTING DUAL DPM PCB AT FIELD** **FOR MODEL: CHAMP 600**

SR. NO.	PICTURE	REMARK/ MEANING / INSTRUCTIONS
01		<p><b>REMOVAL OF EARLIER FRONT BEZEL PLATE:</b></p> <ul style="list-style-type: none"> <li>• Disconnect connector 2 pin connectors CN3 &amp; CN2-3 from DPM PCB</li> <li>• Disconnect 4 pin connector CN1 connector from Mains On &amp; trip LED PCB. Also remove PCB from bezel.</li> <li>• Disconnect the connections &amp; Remove Panel/Remote &amp; MMA/TIG switch from front bezel</li> <li>• Also Remove Remote connector socket from front bezel</li> <li>• Remove potentiometer knob &amp; cap from both potentiometers &amp; then remove the pots from front bezel</li> </ul>
02	<ul style="list-style-type: none"> <li>• Now remove the earlier front bezel plate from front cover</li> <li>• New front bezel plate provided with the service kit is already with rivets mounted &amp; with sticker.</li> </ul>	

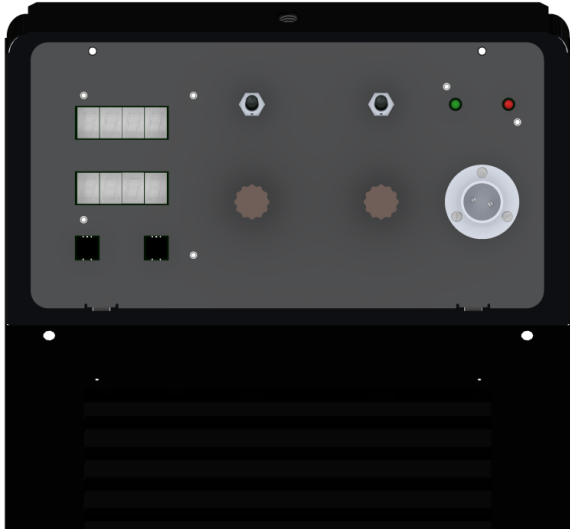


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SR. NO.	PICTURE	REMARK/ MEANING / INSTRUCTIONS
03		<p><b>ASSEMBLY OF NEW FRONT BEZEL PLATE:</b></p> <ul style="list-style-type: none"> <li>• Mount new dual DPM PCB on new front bezel plate</li> <li>• Mount Mains On &amp; Trip LED PCB</li> <li>• Mount Panel/Remote &amp; MMA/TIG switch on front bezel plate</li> <li>• Also mount Remote connector socket on front bezel plate</li> <li>• Mount the pots on front bezel</li> </ul> <p><b>Note: Only dual DPM PCB is new, all other components to be used from earlier front bezel plate</b></p>
04		<p><b>CONNECTIONS AS PER CIRCUIT DIAGRAM:</b></p> <ul style="list-style-type: none"> <li>• Reconnect 2 pin connector (Ferrule No: 19, 20) on new DPM PCB at CN3</li> <li>• Reconnect 4 pin connector (Ferrule No: 14, 15, 17, 18) on Mains &amp; Trip LED PCB at CN1</li> <li>• Also complete the all remaining connections as per earlier &amp; confirm w.r.t machine circuit diagram includes the connection for switches, pots &amp; remote connector</li> </ul>



## ADOR WELDING LIMITED WELDING EQUIPMENT GROUP

SR. NO.	PICTURE	REMARK/ MEANING / INSTRUCTIONS
05		<ul style="list-style-type: none"> <li>Remove wire connections of 2 pin connector (Ferrule No: 16, 25) from shunt</li> <li><b>Use wire boom provided with the service kit:</b> <ol style="list-style-type: none"> <li>1) Connect the 6 pin connector to CN2 of new DPM PCB.</li> <li>2) Connect Ferrule no 16 &amp; 25 wires to shunt referring wiring diagram</li> <li>3) Connect Ferrule no 24 wire to +o/p of power source</li> <li>4) Connect Ferrule no 42 wire to middle terminal of Panel/ Remote Switch as shown in wiring diagram</li> </ol> </li> </ul>

### S17.01.003.1441: SERVICE KIT FOR IMPLEMENTING DUAL DPM PCB IN MODEL: CHAMP 600

Item Seq.	Item	Description	UOM	Qty
10	081.06.008.2991	FRONT BEZEL FABRICATED FOR MODEL: CHAMP 600 WITH DUAL DPM PCB AS PER DRAWING NO: C379-34-05	NOS	1
20	041.11.002.0580	FRONT BEZEL STICKER FOR MODEL: CHAMP 600 WITH DUAL DPM PCB AS PER DRAWING NO: C379-34-06	NOS	1
30	011.03.006.0001	RIVET NUT M3 X 8MM LONG,PART NUMBER-CESM3X8R, AS PER DRAWING NUMBER- CESRM3, MAKE- CONWELD ENGERIING SERVICES.	NOS	6
40	017.01.008.0287	DPM PCB (PA79/557/B) ASSEMBLY AS PER CKT DIA CK79/868/B WITH PU COATING ON BOTH SIDE WITH BRUSH FOR 600 MACHINE (DPM WITH SET CURRENT, ACTUAL CURRENT & VOLTAGE WITH ARC ON TIME & RESET).	NOS	1
50	026.01.043.0003	M.S. ZINC PLATED HEX NUT M3	NOS	4
60	026.01.080.0084	CHROME PLATED M3 PLAIN WASHER	NOS	8
70	026.01.003.0034	M.S.ZINC PLATED SLOTTED CHEESE HEAD SCREW M3x8MM	NOS	4
80	021.01.007.1153	ADDITIONAL WIRE BOOM FOR IMPLEMENTING DUAL DPM PCB FOR MODEL: CHAMP 600 AS PER DRG. NO: CWH79-34-10	NOS	1



## **ADOR WELDING LIMITED WELDING EQUIPMENT GROUP**

### **Additional Features added with Dual DPM PCB in model: Champ 600**

- **Digital Panel Meter (dual display) to display the set current and actual current & voltage while welding:**
  - Earlier only actual current was displayed on DPM, now dual DPM will show set current as well as actual current.
  - Actual voltage will also displayed with Dual DPM
- **Available with display of Arc on time with option of reset.**
  - Extra keys Time & Reset are added on front panel
  - When Time key of arc on time is pressed, one display shows arc on message & other display shows arc on time counter in hour, Min
  - Reset key is used to reset the arc on time.

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