



# ENGINEERING CHANGE NOTE:



ECN #:

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**ASSEMBLY:** APS1611**DESCRIPTION:** MW4-PS1 Power Supply Assembly**New Assembly:****DATE:** 24/08/00**Current Assy Rev:** E**Current Schematic Rev:****New Assy Rev:** F**New Schematic Rev:**

Mandatory for all systems with compliance markings.

☒ CMS BOMs Updated☒ Excel BOMs Updated☐ Subcontractor Records Updated**Compatibility Maintained:** Yes**IMPLEMENTATION INFORMATION:**

- |  |   |                                       |                                      |
|--|---|---------------------------------------|--------------------------------------|
| <input type="radio"/> Safety Issue                   | <input checked="" type="radio"/> UL Compliance Issue  | <input type="radio"/> New Feature     | <input type="radio"/> Cost Reduction |
| <input type="radio"/> Bug Fix                        | <input checked="" type="radio"/> EMC Compliance Issue | <input type="radio"/> Quality Issue   |                                      |
| <input checked="" type="radio"/> Reliability Reasons | <input type="radio"/> Software Change                 | <input type="radio"/> Cosmetic Change |                                      |

**REASON FOR CHANGE:**

Ensure power supply complies with UL1419.

Rectify EMC compliance issues.

**DETAILS OF CHANGE:**

1. Ensure the connection of the mains wiring has the active wire from the IEC mains inlet connector connects to the centre pin of the fuse-holder. This is intended to put the active pin of the fuse device at the last point of contact for an operator changing a fuse.
2. Remove the two Y Capacitors fitted to the IEC mains inlet  
CCR2464 - CAP CERM 1nF CLASS Y RADIAL
3. Fit the following block filter to the inside of the PSU enclosure;  
HMF3871 - FILTER MAINS DELTA 05DBAG5  
Mount so the input end (CLEAN) end of the filter is closest to mains input switch. Ensure the body of the filter is in full contact with the PSU enclosure (it is necessary to remove several mounting studs from older revision panels).  
NOTE: Filter may be marked L for Line instead of A for Active.
4. Connect the PCB Active mains input lug (A) to the Active (A) connector on the output side of the filter using the following wire and connectors;  
JAW1902 - WIRE BROWN 18G 18A 600V 105deg  
JTP4418 - CON PUSH-ON 4.8mm RED CRIMP
5. Connect the PCB Neutral mains input lug (N) to the Neutral (N) connector on the output side of the filter using the following wire and connectors;  
JAW1765 - WIRE BLUE 18G 18A 600V 105deg  
JTP4418 - CON PUSH-ON 4.8mm RED CRIMP
6. Remove the wiring from the PCB to the mains input connector the Active (brown) and Neutral (blue) wires.
7. Connect the fuse mains output (outside lug) to the Active (A) connector on the input side of the filter using the following wire and connectors;  
JAW1902 - WIRE BROWN 18G 18A 600V 105deg  
JTP4418 - CON PUSH-ON 4.8mm RED CRIMP
8. Connect the mains input connector Neutral lug (N) to the Neutral (N) connector on the input side of the filter using the following wire and connectors;  
JAW1765 - WIRE BLUE 18G 18A 600V 105deg  
JTP7521 - CON PUSH-ON 4.8mm BLUE CRIMP  
JTP5199 - CON PUSH-ON 6.3mm BLUE CRIMP
9. Delete from BOM the followig items;

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MMW4039-2 - 810.039-2 PSU 3 COVER PANEL

MMW4040-2 - 810.040-2 PSU3 PCB COVER

MMW4041-2 - 810.041-2 PSU 3 REAR PANEL

MMW4043-2 - 810.043-2 PSU3 BASE PANEL

10. New metalwork released for manufacture as follows;

MMW4061-2 - 810.061-2 PS1 BASE PANEL

MMW4062-2 - 810.062-2 PS1 COVER PANEL

MMW4065-2 - 810.065-2 PS1 SWITCH PANEL

MMW4066-3 - 810.066-3 PS1 HEATSINK PLATE

11. Ensure the revision of the PCB assembly is BMW4021D-H.

12. Mark power supply with revision F to reflect the change of assembly.

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