

ECN # 401

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ENGINEERING CHANGE NOTE:

mfx3

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401

ASSEMBLY: See List Below**DESCRIPTION:** MW4-QDC Engine Metal Work change to SS**New Assembly:****DATE:** 15/12/00**Current Assy Rev:****Current Schematic Rev:****New Assy Rev:****New Schematic Rev:**

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

IMPLEMENTATION INFORMATION:

- ☐ Safety Issue ☐ UL Compliance Issue ☐ New Feature ☐ Cost Reduction
☐ Bug Fix ☐ EMC Compliance Issue ☒ Quality Issue
☐ Reliability Reasons ☐ Software Change ☐ Cosmetic Change

REASON FOR CHANGE:

The current Metalwork suffers from corrosion problems due to entrapment of chemicals during the plating process. The various dutch folds accentuate this as fluids cannot flow easily.

Non-removable smudging problems.

The plating tends to dull quickly.

Poor salt spray resistance.

Poor aesthetics.

DETAILS OF CHANGE:

The material has been changed from Mild Steel to 304 2B Stainless Steel (Natural Finish) on following list of metalwork parts.

MMW4009-3 Backplane Support Bracket
MMW4010-2 Drive Enclosure
MMW4020-3 QDC Blank Panel
MMW4024-2 Chassis Assembly (5 pieces)
MMW4025-2 PXY Rear Panel
MMW4045-3 Front Panel Inner
MMW4051-3 PXY Access Panel
MMW4053-2 Drive Rear Cover Assembly
MMW4055-5 QDC panel (double)
MMW4065-6 PSU Switch Panel

The following BOMS are affected:

1. BMW4001: BPR Back Plane Card

Change Item 35: MMW4009-2 to MMW4009-3 Backplane Support Bracket Rev 3

2. APS1611: PS1 Power Supply Assembly

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3. BMW4041: QDC card

Change Item 45: MMW4055-B to MMW4055-5 QDC panel (double) Rev 5

4. AMW4011 PXY CPU Module

Change Item 15: MMW4025-G to MMW4025-2 PXY Rear Panel Rev 2

Add new part: MMW4051-3 PXY Access Panel Qty 1

5. AMW4050 M4 Rack Assembly

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- Change Item 16 to MMW4020-3 QDC Blank Panel
 - 6. AMW4099 M4 Front Panel Assembly
 - Change Item 11 from MMW4045-1 to MMW4045-3 Front Panel Inner Rev 3
 - 7. AMW4097 M4 Chassis Assy
 - Change Item 4 MMW4024-F to MMW4024-2 Chassis AssemblyRev 2
 - 8. AMW4098 M4 Drive Bay Assembly
 - Change Item 9 MMW4010-E to MMW4010-2 Drive Enclosure Rev 3
 - Change Item 11 MMW4053-A to MMW4053-2 Drive Rear Cover Assembly Rev 2

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HW or Project Engineer.....
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R&D or Project Manager.....
