

Technical Advisory Bulletin (TAB)

Bulletin #: TBMELCO014A

May 17, 2016

Product: Melco EMT16, BRAVO

Implementation: ☐ Urgent ☐ Mandatory ☐ As Required ☒ Info Only

Reference: EC3353

Subject: Grounding and Emissions Modifications for Control PCBA

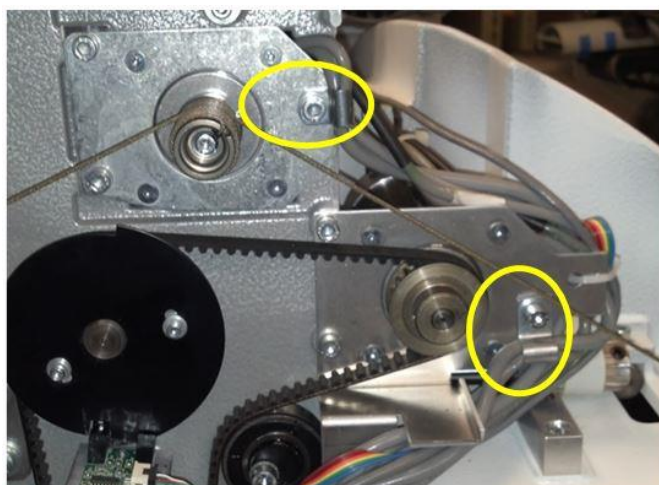
SITUATION:

With the introduction of the new Control PCBA (PN 34799 – EMT16, PN 34800 – BRAVO), Melco had to re-test the EMT16 and BRAVO machine models for emissions and safety conformance to UL, CAS, FCC, and CB requirements. As a result of these tests, additional grounding and emission modifications had to be made prior to shipping these machines with the new Control PCBA. The starting serial numbers for machines having the new Control PCBA with the grounding and emissions modifications are 403291 for EMT16 and 340361142 for BRAVO.

SOLUTION:

For EMT16 and BRAVO machines with the new Control PCBA, the following modifications were made:

1. The X, Y, and Z Servo Motors were updated to add additional internal grounding. On machines that were assembled prior to the receipt of internally grounded X, Y, and Z Servo Motors from the OEM supplier, the motor cables were reworked and grounded directly to the machine casting as shown in the pictures below.

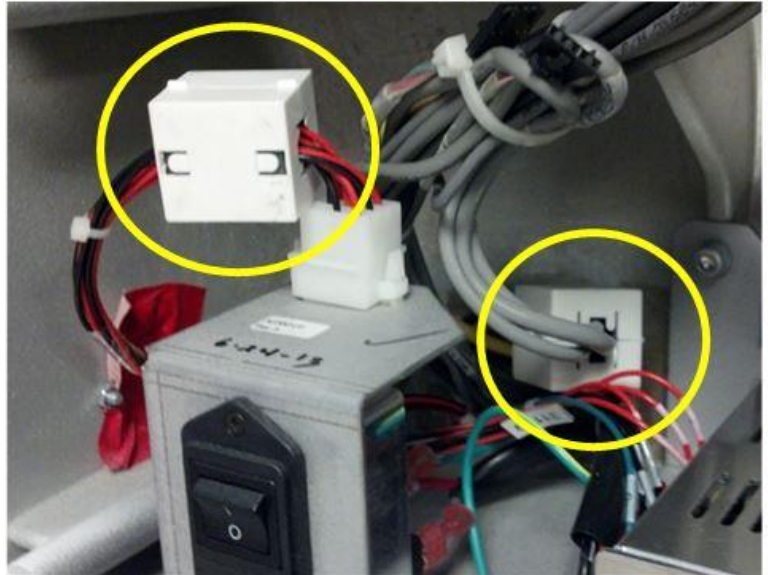
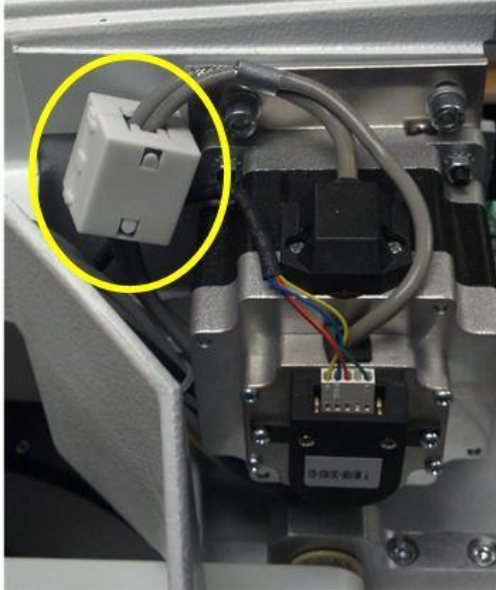


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2. For BRAVO machines only, an additional two Ferrites were connected to the Y Motor cables in two locations and one Ferrite connected to the DC Power cable as shown in the pictures below.



3. In addition, all BRAVO machines were updated with a new Power Supply, PN 33977-01, and new Power Input Filter, PN 31039-01.

RECOMMENDED ACTION:

Information only, no action required.