

**Traveler Title:**

BMA Full Magnet Impregnation

**Specification No:**

333859

**Revision:**

D

**DR No:**

4528

**Step No:**

12.1

**Drawing No:**

5520-ME-445311

**Routing Form No:**

**Serial No:**

BMA055

**Rework ID:**

0

**Discrepancy Description:**

Traveler instructs to, Perform a hipot test as per the charts below.  
 Actual hipot testing failed, the limits are 500VDC with no more than 5uA current leakage, with the relative humidity at 75% the measured current leakage at 500VDC is greater than 5uA, applying dry nitrogen to the coils under test temporarily lowers the current leakage to less 5 ua.

**Originator:**

Dennis Gaw

**Date:**

6/13/2008 9:41:28 AM

**Cause of Nonconformance:**

High relative humidity.

**Responsible Authority:**

Dennis Gaw

**Date:**

6/13/2008 9:41:28 AM

**Disposition:**

1. Proceed with the preparation of magnet to potting (mold assembly, glass beads filling, Gray RTV filling).  
 2. Install the mold with magnet in the vacuum oven, and pump out to 40 um overnight.  
 3. Open the oven door and re-test the magnet.  
 4. If the test results are within tolerances, close the door and pump magnet out and pot, as per the traveler.  
 Disposition verify notes: 1.)prperation to pot was accomplished.  
 2.)Magnet was under vacuum over night.  
 3.) The vacuum tank door was opened for access to hipot the magnet.  
 4.) The hipot test results were acceptable and the magnet has been potted.  
 5.) Electrical hipot test at step 20.14 also indicates that there are no hipot problems.

**Responsible Authority:**

Sasha Makarov

**Date:**

6/13/2008

**Corrective Action to Prevent Recurrence:**

None  
 Disposition verify notes: none.

**Responsible Authority:**

Sasha Makarov

**Date:**

6/13/2008

**Corrective Action/Disposition Verified By:**

Dennis Gaw

**Date:**

6/24/2008 2:10:45 PM

**Will Configuration be affected?:**     YES     NO

**Identified problem area:**

Material             Manpower             Method             Machine             Measurement

**Reviewed By:**

Bob Jensen

**Date:**

7/7/2008