From: Alexander Makarov
To: Timothy Mckenna
Subject: RE: MSDA assembly traveler
Date: Tuesday, March 29, 2016 10:53:28 AM

Hi Tim,

I would like to re-arrange some steps:

1. The 3-port manifold (step 11.1) shall be installed AFTER the 6-port manifold (step 11.5), otherwise the 6-port manifold cannot be installed.
2. The new picture (step 11.7 shall be above any step when we bend tubes (currently it is in step 11.3), because by the time technician will get to 11.7 the coil leads will be already bent wrongly.
3. We gave to disconnect (remove) manifolds from the coil leads prior to any brazing because otherwise the PEEK insulators will be burnt. Please add the step to remove of manifolds prior to brazing and add a step to re-install manifolds after brazing.

Thanks, Sasha

From: Timothy Mckenna
Sent: Tuesday, March 29, 2016 10:03 AM
To: Alexander Makarov <amakarov@fnal.gov>; Jan Szal <jszal@fnal.gov>; Oliver J Kiemschies <ollie@fnal.gov>; Guram Chlachidze <guram@fnal.gov>
Subject: FW: MSDA assembly traveler

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All,

Pictures and notes have been added to steps 11.7 and 11.10 that should rectify the problem. Please respond with your approval and we can publish. When you reply, please reply all. If you have other edits you would like let me know.

Thank you

Tim

Jan reviewer need signature

Ollie reviewer need signature

Sasha reviewer need signature

Guram approver need signature

From: Alexander Makarov
Sent: Tuesday, March 29, 2016 8:56 AM
To: Timothy Mckenna <tmckenna@fnal.gov>; Jan Szal <jszal@fnal.gov>; Oliver J Kiemschies <ollie@fnal.gov>; Guram Chlachidze <guram@fnal.gov>
Subject: RE: MSDA assembly traveler

Hi Tim,

I was waiting Bob (he was off yesterday but is here today) to get both of you together and discuss how travelers (he has MLG Lambertson traveler which has the same problem) shall be revised. Let's do this first, and then proceed with approval.

Thanks, Sasha

From: Timothy Mckenna
Sent: Tuesday, March 29, 2016 8:48 AM
To: Jan Szal <jszal@fnal.gov>; Alexander Makarov <amakarov@fnal.gov>; Oliver J Kiemschies <ollie@fnal.gov>; Guram Chlachidze <guram@fnal.gov>
Subject: MSDA assembly traveler

https://vector-offsite.fnal.gov/Tools/TravelerWriter/TravelerWriterPreviewDocument.asp?qsSpecificationID=1587&qsRevisionID=4

All,

This is the official approval document of traveler 464245 Rev B (g-2 Septum Magnet Manifolding and Assembly (MSDA)). The revision is in direct response To DR 10785 which faults previous revision for insufficient information on how to connect leads properly. On this revision there are hyperlinks to the assembly drawing for the technicians to use on every step during this process. Please respond with your approval or suggestions for changes. When you reply, please reply all.

Thank you

Tim