

THOMAS JEFFERSON NATIONAL ACCELERATOR FACILITY
12000 Jefferson Avenue
Newport News, VA 23606

HALL B PROCEDURE NO.: B000000400 –P008 Rev - 0

TITLE: Hall B Solenoid Pre-Power-Up Vapor-Cooled Leads Checkout Procedure

BY: R. Fair

DATE: 01 / 31 / 2017

Intended Checker and Approvers:

CHK: P. Ghoshal

1. APP: R. Rajput-Ghoshal

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REV.	ECO#	DESCRIPTION	ВҮ	CHK.	APP.	APP.	DATE
		SUMMARY OF CHANC	GES FROM PI	TEVIOUS	REVISIO	_L DN:	

### Hall B Solenoid Pre-Power-Up Vapor-Cooled Leads Checkout Procedure

#### Introduction

The checklist below should be completed only in conjunction with the most current release of the B000000400 P002 Hall B Solenoid Operations Power Up Checklists.

This document refers to the Vapor-Cooled Leads connecting the Water-Cooled Leads on the Solenoid Service Tower to the Solenoid magnet.

## Checklist

## Hall B Solenoid Pre-Power-Up Vapor-Cooled Leads Checkout Procedure

Date 4/4/2020

Indicate relevant items requiring check below!

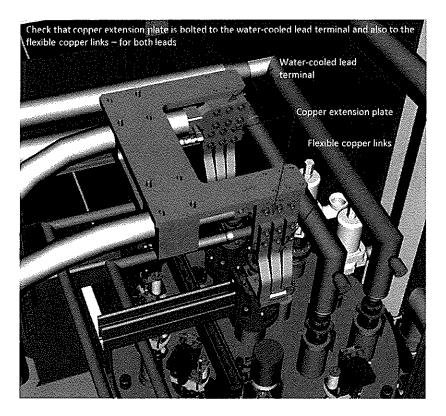
Relevant		Verified	check below:
Item:	By/Date	By/Date	
/	1. Have the lead flows for EACH Vapor-Cooled Lead been calibrated and programmed.  Check that the lead flow rate is higher than 42 SLPM.		
			Lead flow for VCL1 lead 49.7 SLPM Date 71470 Lead flow for VCL2 lead 49.2 SLPM Date 7147
M			2. Check that EACH of the Vapor-Cooled Lead heaters have been turned ON and have been set to temperature. Set the temperature to approximately 24°C (75 F) for all the heaters  Set temp for VCL1 lead  Heater Set #1 °C Date Heater Set #2 °C Date Heater Set #3 °C Date  Set temp for VCL2 lead  Heater Set #1 °C Date Heater Set #2 °C Date  Heater Set #3 °C Date  Note: As necessary adjust the heater temperature settings to prevent condensation and ice on any of the flanges.

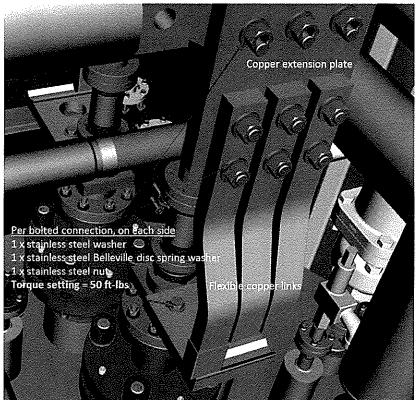
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NA		3. Check that the G10 electrical isolation plates have been installed correctly between the two Vapor-Cooled Leads and inbetween each lead and the lead gas exhaust port. (Ref. Drawing No. B00000-04-00-0003 and the figures below)	io seel willim Lech Isoletiv
NIA		4. Check that the electrical isolation box at the Solenoid Service  Tower end has been installed correctly. (Ref. Drawing No. No B00000-04-00-0003 and the figures below)	ZMN eal. imeter
<b>✓</b>	7/14/2000 7/14/200 -PKTY TO	5. Make sure that manual valves MV8621A and B are open	2MI
rly		6. Make sure that the vent solenoid valve SV8622 is operational	
	VAPO	R-COOLED LEAD CHECKS COMPLETE	

# Hall B Solenoid Pre-Power-Up Vapor-Cooled Leads Checkout Procedure

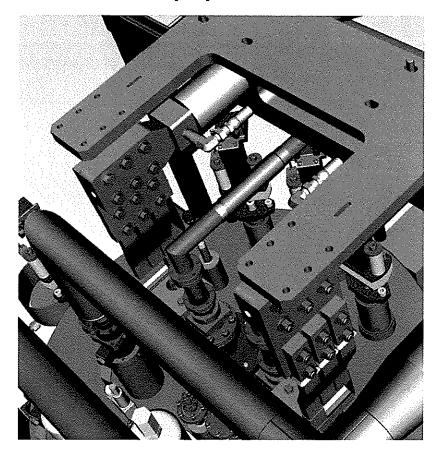
### **Screen Shots of Installed Leads**

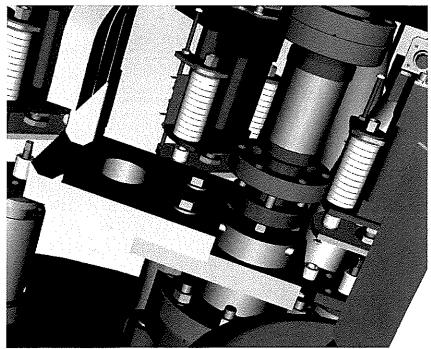




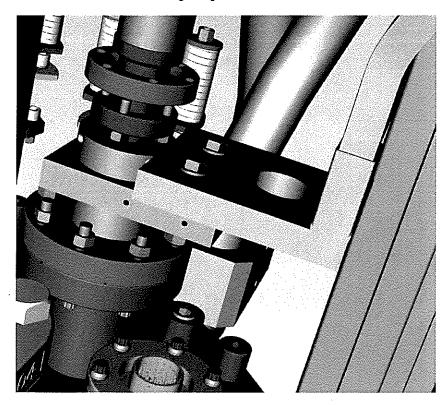
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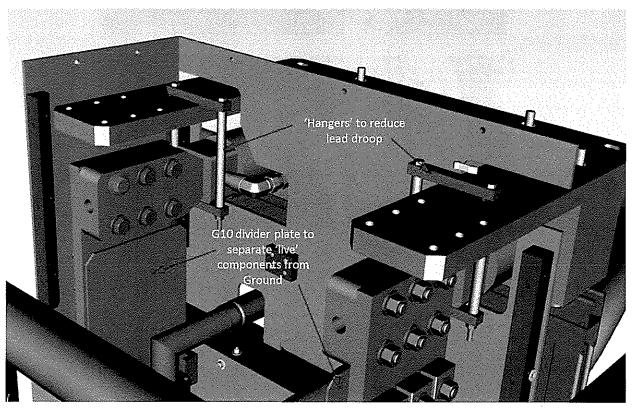
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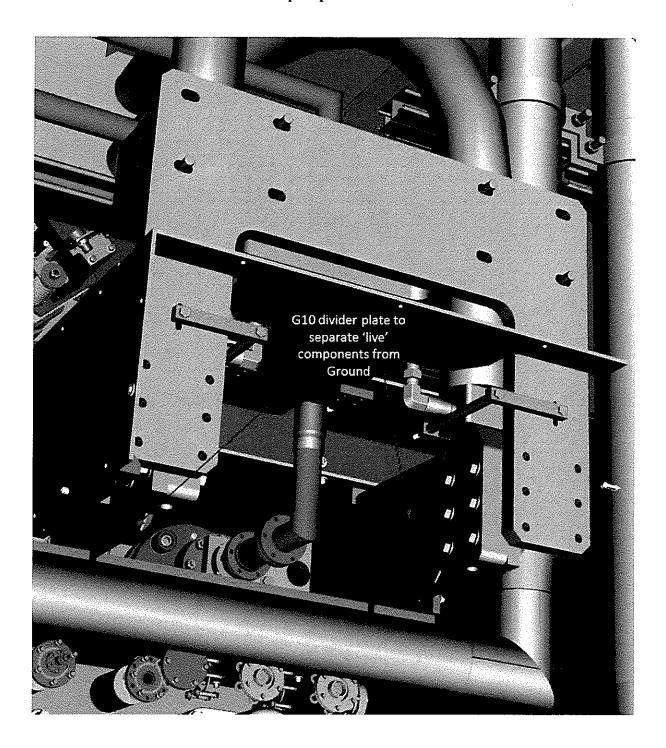


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