

CTB Information

Title	Optical Guidance Platform: Potential Camera Reflection Affects System Performance		
DWG Number	100054965	CTB	ZM-847
Complaint No.	CP-03845	Est. Labor Hrs	1.5
Purpose	To notify users of the Optical Guidance Platform (OGP), v 2.6 and 2.6.1 of a possible infrared light reflection resulting in an inability to calibrate the OGP or track the optical guidance tool during use. This CTB provide guidance on how to detect and report the anomaly to Varian for correction if your system is affected.		
Product Code(s) Affected	Product Code: HZ6 Product Name: FramelessArray Module for OGP		
Prerequisites	None		
AN UPDATE TO THIS CTB MAY BE AVAILABLE ON MY.VARIAN.COM			

Tools Information

Tools and Equip	None
Reference Documents	None
Modification Overview	If this camera reflection condition is detected on your Clinac/Optical Guidance Platform combined system, then you may request the modification from Varian. This CTB does not update nor modify the device. It is intended as a technical information document to inform users about an anomaly and provide instructions to contact Varian Customer Service.

Order Kit Information

Order Number	Description
100054965-01	None
Order from CSS Logistics	

Revision Information

REV	DATE	STB	AUTHOR NAME	DESCRIPTION OF CHANGE	FILE NAME
A	Sept. 26, 2011	N/A	[REDACTED]	Initial Release	CTB-ZM-847-A.doc
B	Dec. 07, 2011	N/A	[REDACTED]	Product Code Change from HZ7 to HZ6	CTB-ZM-847-B.doc

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GENERAL INFORMATION

Read this entire document, carefully reviewing all instructions.

PERFORMANCE CHECK

Complete thorough performance verification before disassembling and modifying any system. Make a note of any operational discrepancies.

SAFETY PROCEDURES

Become familiar with Customer Support Service's safety policies before working on Oncology Systems Products. Ensure compliance with CSS's safety practices and procedures while performing this modification. Refer to the Product Users' Manual for safety instructions.

CONTACT INFORMATION

If there are any questions, issues, or concerns contact Varian at 1.888.VARIAN.5 (1.888.827.4265) or go to <http://my.varian.com> and click on **Contact Us**.

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1. INTRODUCTION

This letter is to advise you of an issue that has been identified with the Optical Guidance Platform (OGP), v 2.6 and 2.6.1 of a possible infrared light reflection resulting in an inability to calibrate the OGP or track the optical guidance tool during use. As a result, the OGP may be unable to track the positioning tool or in one reported case, display an improper correction vector.

The Optical Guidance Platform may detect an infrared light reflection from the gantry cover during operation resulting in:

- An inability to calibrate the OGP.
- Inability to track the optical guidance tool and display of the warning “geometry error” or “blocked” warning on the OGP workstation.
- Display of an improper correction vector when the gantry is located at angles which cause reflection.

This notice provides a description of the issue, the actions you can take to avoid or mitigate the issue, and steps Varian is taking to address the issue.

2. THE ANOMALY

Varian has received reports of the following events:

- Inability to calibrate the OGP camera unless the gantry is blocked from the camera view.
- “Geometry Error” or “Blocked” warnings during operation or reported during gantry rotation which restore once the gantry is rotated out of an area of reflection. This error means that the OGP cannot track the optical tool.
- Display of an improper correction vector at certain gantry angles during quality assurance checks.

Varian has investigated and found that these events are being caused by light reflecting off of the linear accelerator gantry covers. The issue has been found on linear accelerators with a variety of cover types, lighting conditions, and camera locations. All units may be susceptible to these events. This normally results in the inability to track the tool and the OGP issues the appropriate warning to the user; however, there is a report of the OGP issuing an incorrect correction vector instead of issuing a warning during quality assurance.

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3. RECOMMENDED USER ACTION

- 3.1. Users should check each gantry angle and couch location planned for treatment during patient quality assurance checks to ensure that the OGP is properly tracking the optical tool under controlled conditions for the planned treatment.
- 3.2. Users should check the system behavior during quality assurance procedures for reflections and proper tracking during any form of arc therapy delivery (Arc, Conformal Arc, RapidArc® or Volumetric Arc Therapy (VMAT)) to ensure that the OGP is properly tracking the optical tool under controlled conditions.
- 3.3. *If you experience this issue during QA or at any other time, please contact Varian Service and a non-reflective decal will be installed on your system to correct this occurrence.***

4. VARIAN ACTIONS

- 4.1. Varian is notifying all possibly affected customers with this document.
- 4.2. Varian has developed a modification to address this issue. If you experience this issue during QA or at any other time please contact your Varian Service office to request that the modification be installed when it becomes available.

5. PLEASE ADVISE THE APPROPRIATE PERSONNEL WORKING IN YOUR RADIOTHERAPY DEPARTMENT OF THE CONTENT OF THIS LETTER. FOR FUTURE REFERENCE, THIS DOCUMENT WILL BE POSTED TO THE VARIAN CUSTOMER SUPPORT WEBSITE: [HTTP://WWW.MYVARIAN.COM](http://www.myvarian.com).

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Bill Of Materials					
			-01	Part Number	Description
				None	Not Applicable
				Drawing or Document Number	Other Documents Included
				None	None