



System ID:  
SR#:  
Date:

**Discovery CT590 RT, Optima CT580, and Discovery RT**

Customer Name: \_\_\_\_\_  
 Service Record #: \_\_\_\_\_ System ID or Serial #: \_\_\_\_\_  
 Customer Equipment ID: \_\_\_\_\_ Service Manual Doc #: 5366639-8EN  
 Software Version: \_\_\_\_\_ System Model: \_\_\_\_\_  
 PM Frequency: \_\_\_\_\_ Service Type: \_\_\_\_\_  
 Form Status: Not Complete Start Date: \_\_\_\_\_  
 Country: \_\_\_\_\_

Schedule(s) Selected  Optional

- Schedule A    Schedule B    Schedule C    Schedule W    Schedule - Optional HHS Scan Data

**Schedule C**

***Preliminary Tasks***

**Last PM Inspection**

Task	Date/Tasks	Results	Comments
Indicate last inspection date			
List last schedule completed			
List schedule C tasks previously completed			

***Initial Procedures***

**Temperature and Humidity Checks**

Task	Readings	Results	Comments
Record scan room temperature			
Record scan room humidity			

**General Gantry Inspection**

Task	Results	Comments
Test display lights		
Test E-Stops		



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Task	Results	Comments
Test patient tilt sensors		

### General Tasks

Task	Results	Comments
Test emergency OFF switch		
Inspect UPS power OFF		

### General Console Cleaning & Inspection

Task	Results	Comments
Clean component filters, fans, & grills		
Visually inspect fans		
Check seismic anchor (if necessary)		

### Slip Ring & Brush Block Inspection & Maintenance

Task	Results	Comments
Remove debris from slip ring brush		
Inspect slip ring tracks		
Clean brush blocks		
Inspect brush tips		

### Gantry Filter Cleaning

Task	Results	Comments
Clean DAS detector plenum filter and duct cover		
Clean DAS DIFB fan filters (only for PDAS)		
Clean detector face plate		
Clean top cover fans		
Inspect rotation path components and cables		



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### **Gantry Power On (Covers Off)**

#### **Tube Heat Exchanger & JEDI Fan Inspection**

Task	Date/Tasks	Results	Comments
Inspect/clean tube heat exchanger	N/A		
Inspect/clean JEDI inverter fan	N/A		
Inspect tube heat exchanger pump (replace if necessary)	N/A		
Mfg date/last replacement			

#### **Gantry Thermistor**

Task	Results	Comments
Inspect gantry thermistor		

#### **General Tasks**

Task	Readings	Results	Comments
Ensure UPS is powered and operational	N/A		
Ensure plenum fans are operational (GDAS:2, PDAS:3)	N/A		
Grease gantry main bearing	N/A		
Record number of revolutions since last greasing			

#### **Verifications (If required)**

**NOTE: If you are required to complete these tests, record the readings in Schedule - Optional HHS Scan Data of this document.**

Task	Results	Comments
HV tank resistor verification.		
Meter verification.		
HHS scans.		

### **Power On (Covers On)**

### General Tasks

Task	Results	Comments
Inspect/replace scan window		
Inspect rotational clearances		
Confirm save state completed		

### Finalization

#### System Scanning Test

Task	QA Phantom Serial #	Location	Gantry Serial #
Scan	Scan Failures	Artifacts	Artifact Types/Comments
Series 1 (Scout/Auto voice)			
Series 2 (Axial/Tilt)			
Series 3 (Helical/Auto voice)			

### General Tasks

Task	Results	Comments
Check x-ray ON indicators		
Test scan control push button		
Quality assurance Test		
Record GE Phantom Serial # in tools used area		
Update the site log		
Complete PM paperwork for the site		

### Follow-Up

PM Check	No	Yes	Comments (Service Schedule Date)
Is follow-up work required?	<input type="checkbox"/>	<input type="checkbox"/>	

### Schedule - Optional HHS Scan Data

### Verify mA and kV Meter

Recorded mA Low Scale and High Scale, the difference between two measurements should appear in the delta column, limits is +/-3.0 mA.

Recorded kV value, the limits is not applicable for the kV delta column.

Requested mA/kV	DMM Reading	AD	Delta	Pass/Fail	Comments
mA Low Scale					
mA Hight Scale					
kV					

### HV Tank Feedback Resistor Verification

To pass the kV check, all four of the following conditions must be met:

- 1) The Measured kV must be within +/- 3% of the Requested kV.
- 2) The kV mA Tool Screen reading must be within +/- 3% of the Requested kV.
- 3) Both measurements (scope measured & screen) must be within +/- 2% of the Requested kV.
- 4) The internal scan timer measurement should be within +/-4%.

Requested kV	On Screen kV	Measured kV	Pass/Fail	Comments
80 kV				
100 kV				
120 kV				
140 kV				
Scan timer value	N/A			

### HHS Scan Data

Small Focal Spot		On Screen Data				Results	Comments
kV	mA	kV	mA	5ms mA	Time		
80							
80							
80							
80							
80							



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Small Focal Spot						On Screen Data		Results	Comments
80									
80									
80									

**HHS Scan Data**

Small Focal Spot						On Screen Data		Results	Comments
kV	mA	kV	mA	5ms mA	Time				
100									
100									
100									
100									
100									
100									
100									
100									

**HHS Scan Data**

Small Focal Spot						On Screen Data		Results	Comments
kV	mA	kV	mA	5ms mA	Time				
120									
120									
120									
120									



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Small Focal Spot		On Screen Data				Results	Comments
120							
120							
120							
120							

**HHS Scan Data**

Small Focal Spot		On Screen Data				Results	Comments
kV	mA	kV	mA	5ms mA	Time		
140							
140							
140							
140							
140							
140							
140							
140							

**HHS Scan Data**

Large Focal Spot		On Screen Data				Results	Comments
kV	mA	kV	mA	5ms mA	Time		
80							
80							
80							



System ID:  
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Large Focal Spot		On Screen Data				Results	Comments
80							
80							
80							
80							
80							

**HHS Scan Data**

Large Focal Spot		On Screen Data				Results	Comments
kV	mA	kV	mA	5ms mA	Time		
100							
100							
100							
100							
100							
100							
100							
100							

**HHS Scan Data**

Large Focal Spot		On Screen Data				Results	Comments
kV	mA	kV	mA	5ms mA	Time		
120							
120							



System ID:  
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Date:

Large Focal Spot						On Screen Data						Results	Comments
120													
120													
120													
120													
120													
120													

**HHS Scan Data**

Large Focal Spot						On Screen Data						Results	Comments
kV	mA	kV	mA	5ms mA	Time								
140													
140													
140													
140													
140													
140													
140													
140													

**Comments:**

Characters Remaining:

**Tools Used:**



System ID:  
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Description	Serial Number	Bar Code/ Asset Tag	Cal Due Date	
				<input type="button" value="Add Tool"/> <input type="button" value="Remove Tool"/>

**GE Representative:**

Number of Signers

Name: \_\_\_\_\_  
SSO #: \_\_\_\_\_  
SR #: \_\_\_\_\_

Signature

**Customer Signature:**  Yes  Not Required

Date Complete \_\_\_\_\_

Form Complete