



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 WOptional

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

Schedule W

Initial Procedures

General Gantry Inspection

Task	Results	Comments
Test E-Stops		
Test patient tilt sensors		

System Options

Task	Results	Comments
Inspect nemoto injector		

Gantry Power Off (Covers Off)

General Tasks

Task	Results	Comments
Test emergency OFF switch		

General Console Cleaning & Inspection

Task	Results	Comments
Clean component filters, fans, & grills		
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 gantry heater filter		
Inspect rotation path components and cables		

NGPDU

Task	Results	Comments
Inspect seismic anchor bolts		

Gantry Power On (Covers Off)

Tube Heat Exchanger & JEDI Fan Inspection

Task	Results	Comments
Inspect/clean tube heat exchanger		
Inspect/clean JEDI inverter fan		

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.		



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Task	Results	Comments
HHS scans.		

Gantry Power On (Covers On)
General Table Cleaning & Inspection

Task	Results	Comments
Inspect/clean table pan		
Inspect table cover		
Inspect cradle accessory attachment (note in comments if anything is replaced)		
Check tape switches		

General Tasks

Task	Results	Comments
Inspect scan window. Replace if necessary		
Confirm save state completed		

Finalization

General Tasks

Task	Results	Comments
Check x-ray ON indicators		
Quality assurance Test		
Complete PM paperwork for the site		

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

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							



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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							



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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