



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 B

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

Schedule B

Preliminary Tasks

Last PM Inspection

Task	Date/Tasks	Results	Comments
Indicate last inspection date			
List last schedule completed			
List schedule B 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		

Laser Alignment Inspection

Task	Results	Comments
Check internal alignment lights		
Check external axial to internal axial distance		

System Options

Task	Results	Comments
Inspect nemoto injector		

Collimator Inspection

Task	Results	Comments
Check aperture and filter positions and operation		
Check protective window and inspect/clean debris		

Gantry Power Off (Covers Off)

General Tasks

Task	Readings	Results	Comments
Perform gantry tilt zero check			
Ensure emergency switch is OFF	N/A		
Perform UPS power OFF inspection	N/A		

General Console Cleaning & Inspection

Task	Results	Comments
Clean component filters, fans, & grills		
Visually inspect fan		



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Task	Results	Comments
Perform seismic anchor check (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 tip		

CT Belt Tension & Adjustment

Task	Results	Comments
Inspect and adjust tension belt		

Gantry Filter Cleaning

Task	Results	Comments
Clean DAS 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		

Encoder

Task	Date/Tasks	Results	Comments
Inspect rotational encoder wheel	N/A		
Encoder replacement	N/A		
Date last replacement			

Hydraulic Tilt Pump (Inspect for Leaks)

Task	Results	Comments
Ensure no leaks on hydraulic tilt cylinder & fittings		
Ensure no leaks on hydraulic tilt pump & reservoir		

NGPDU

Task	Results	Comments
Vacuum covers & inside PDU		
Inspect electronic components		
Torque all connectors		
Inspect Seismic anchor bolts		

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		



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

Power Off (Covers On)

Tilt Speed Adjustment

Task	Results	Comments
Perform tilt speed adjustment		

Power On (Covers On)

General Tasks

Task	Results	Comments
Inspect/replace scan window		
Inspect rotational clearances		

Finalization

System Scanning Test

Task	QA Phantom Serial #	Location	Gantry Serial #
Task	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		



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Task	Results	Comments
Test scan control push button		
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"/>	

Comments:

Characters Remaining:

Tools Used:

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



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Customer Signature: Yes Not Required

Date Complete _____

Form Complete

Save