

# CT BrightSpeed, BrightSpeed Select, RT, Optima CT520, Optima CT540, Brivo CT385 4879 Installation Data Form

## Customer Information

Customer Name

Customer Name is required.

Customer name should not exceed 50 characters.

Service Record #:

Service Record Number is required.

System ID/ Serial Number

System ID Number is required.

Service Type

Customer Equipment ID:

Service Manual Document #

Software Version:

PM Frequency:

Form Status: Complete Incomplete

Start Date

Country

Customer Country is required.

Modality

Mechanical Lead Installer or N/A if GE FE

Mechanical Installer Company or N/A if GE

By completing and submitting this form you verify that the information in this form is correct and represents the system as it was installed.

## Compliance

### Federal / State Compliance

Scanner Information- Certified Components	Model Number	Serial Number	Results	Comments
Collimator			Result selection is required.	Comments Please provide a comment.
Master Control Console			Result selection is required.	Comments Please provide a comment.
Gantry			Result selection is required.	Comments Please provide a comment.
HV Tank			Result selection is required.	Comments Please provide a

Scanner Information- Certified Components	Model Number	Serial Number	Results	Comments
				comment. Comments
Table			Result selection is required.	Please provide a comment. Comments
Xray Tube Casing			Result selection is required.	Please provide a comment. Comments
Xray Tube Insert			Result selection is required.	Please provide a comment. Comments

## System Components Location

Task	Results	Comments
System Components are installed in the location identified by GE Healthcare drawings.	Result selection is required.	Comments Please provide a comment.

## Shielding Plans

NOTE:

Shielding Plans are required for specific U.S.A. states of installation. The State specific requirements are: Arkansas required for new construction District of Columbia: Customer copy of the Plan is submitted. North Carolina, South Carolina, and Washington: required

Task	Results	Comments
GE Healthcare site drawings match State approved shielding plans.	Result selection is required.	Comments Please provide a comment.

## Mechanical Install

### Table / Gantry Alignment

Task	Expected Results	Results	Comments
Cradle Level - X direction	Bubble centered in finder	Result selection is required.	Comments Please provide a comment.
Cradle Level - Z direction	Bubble centered in finder	Result selection is required.	Comments Please provide a comment.

  

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Task: Cradle is level in all directions.(degree and degree)	-0.1	0.1				Comment is required.

Task	Results	Comments
Table/Gantry alignment was completed per Book 1 of the Installation Manual.	Result selection is required.	Comments Please provide a comment.

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Task: Table/Gantry alignment is within specification. (CT7X/8X, BrightSpeed, Optima CT540) (mm and mm)	-1	1				Comment is required.
Task: Table/Gantry alignment is within specification. (BrightSpeed Select, Optima CT520, Brivo CT385) (mm and mm)	-3	3				Comment is required.
Task: Table/Gantry alignment (Test 1, Test 2, Test 3) is within specification. (RT series)(mm and mm)	-2	2				Comment is required.
Task: Gantry zero degree tilt measurement is within specification. (Brivo CT385, ignore this item)(degree and degree)	-0.14	0.14				Comment is required.
GE Supplied 8 Inch Anchors (2106573)	GE Supplied 7 Inch Anchors (5487992-2)		GE Supplied Optima CT520 / Brivo CT385 Anchors (5479997)			Non-GE Supplied Anchors

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Gantry GE Supplied 8 Inch Anchors (2106573) Task: Gantry - Measure the length of all anchors extending above the securing nut and record only the min and max value found from all anchors (only 2 entries - Min, Max - in Observed Result field). (mm)	24	33				Comment is required.
Gantry GE Supplied 8 Inch Anchors (2106573) Task: Gantry - Anchor torque used is entered in the field to the right and is within the specification limits. (N-m: 55 ft-lb)	75	75				Comment is required.

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Gantry - GE Supplied 7 Inch Anchors (5487992-2) Task: Gantry - Measure the length of all anchors extending above the securing nut and record only the min and max value found from all anchors (only 2 entries - Min, Max - in Observed	13	25				Comment is required.

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Result field). (mm)						
Gantry - GE Supplied 7 Inch Anchors (5487992-2) Task: Gantry - Anchor torque used is entered in the field to the right and is within the specification limits. (N-m :40 ft-lb)	54	54				Comment is required.

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Gantry - GE Supplied Optima CT520 / Brivo CT 385 Anchors (547997) Task: Gantry - Measure the length of all anchors extending above the securing nut and record only the min and max value found from all anchors (only 2 entries - Min, Max - in Observed Result field). (mm)	24	33				Comment is required.
Gantry - GE Supplied Optima CT520 / Brivo CT 385 Anchors (547997) Task: Gantry - Anchor torque used is entered in the field to the right and is within the specification limits (N-m :37 ft-lb)	50	50				Comment is required.

Task	Data	Results	Comments
Gantry - Anchor type	Result selection is required.		Comments Please provide a comment.
Gantry - Anchor supplied by	Result selection is required.		Comments Please provide a comment.
GE Supplied 8 Inch Anchors (2106573)	GE Supplied 7 Inch Anchors (5487992-2)	GE Supplied Lite/Kunlun Table Anchors (5479996)	GE Supplied GT650LBS Anchors (5314211) Non-GE Supplied Anchors

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Table - GE Supplied 8 Inch Anchors (2106573) Task: Table - Measure the length of all anchors extending above the securing nut and record only the min and max value found from all anchors (only 2 entries - Min, Max - in Observed Result field).(mm)	24	33				Comment is required.
Table - GE Supplied 8 Inch Anchors (2106573) Task: Table - Anchor torque used is entered in the field to the right and is within the specification limits. (GT 1700/2000, VT1700V).(N-m(55	75	75				Comment is required.

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
and N-m(55)						
Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Table - GE Supplied 7 Inch Anchors (5487992-2) Task: Table - Measure the length of all anchors extending above the securing nut and record only the min and max value found from all anchors (only 2 entries - Min, Max - in Observed Result field).(mm and mm)	13	25				Comment is required.
Table - GE Supplied 7 Inch Anchors (5487992-2) Task: Table - Anchor torque used is entered in the field to the right and is within the specification limits. (GT 1700/2000, VT1700V).(N-m(40 and N-m(40)	54	54				Comment is required.
Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Table - GE Supplied Lite/Kunlun Anchors (5479996) Task: Table - Anchor torque used is entered in the field to the right and is within the specification limits (Lite table and Kunlun table) (N-m(37 and N-m(37)	50	50				Comment is required.
Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Table - GE Supplied GT650LBS Anchors (5314211) Task: Table - Measure the length of all anchors extending above the securing nut and record only the min and max value found from all anchors (only 2 entries - Min, Max - in Observed Result field).(mm and mm)	24	33				Comment is required.
Table - GE Supplied GT650LBS Anchors (5314211) Task: Table - Anchor torque used is entered in the field to the right and is within the specification limits (GT650LBS)(N-m(60 and N-m(60)	81	81				Comment is required.
Task	Data	Results	Comments			
Table - Anchor type	Result selection is required.	Comments				

Task	Data	Results	Comments
			Please provide a comment.
Table - Anchor supplied by		Result selection is required.	Comments Please provide a comment.

## Floor Type

Task	Procedure	Measured as Found	If Adj or N/A	Pass/Fail	Spec	Comments
					>= 102	Comment is required.
	Task			Data	Results	Comments
	If the Floor type entered is 'Other', identify the floor material and thickness in the field to the right. Otherwise enter 'NA' in the field.				Result selection is required.	Comments Please provide a comment.
	Task				Results	Comments
	Floor thickness, level and material conforms to the specification				Result selection is required.	Comments Please provide a comment.

## System Interconnect Cables Continuity Test

Task	Results	Comments
Mechanical installation procedures were followed.	Result selection is required.	Comments Please provide a comment.
All continuity tests passed.	Result selection is required.	Comments Please provide a comment.
All cables are secured within their raceways without being damaged or pinched.	Result selection is required.	Comments Please provide a comment.

## Mechanical Installation Tasks

Task	Results	Comments
Injector installation completed.	Result selection is required.	Comments Please provide a comment.
Dollies and lean carts returned.	Result selection is required.	Comments Please provide a comment.
Gantry bearing inspection completed.	Result selection is required.	Comments Please provide a comment.
All customer ordered hardware options are installed.	Result selection is required.	Comments Please provide a comment.

# Schedule

## Electrical Install

System Warning Labels

Laser Warning Labels

NOTE:

The warning label installed must be written in the appropriate language for the Country the system is installed in.

Task	Results	Comments
Laser warning labels are installed on the lower right corner of the Gantry (near the floor) and near each laser window opening in the Gantry covers.	Result selection is required.	Comments Please provide a comment.
Laser warning labels are in the appropriate language.	Result selection is required.	Comments Please provide a comment.

## SCIM/GSCB Warning Labels

Task	Results	Comments
The SCIM/GSCB Xray warning indicator is attached to the SCIM/GSCB.	Result selection is required.	Comments Please provide a comment.
The SCIM/GSCB Xray warning statement is in the appropriate language	Result selection is required.	Comments Please provide a comment.

## Gantry/Table Warning Labels

Task	Results	Comments
All warning labels were installed following the System Installation Manual.	Result selection is required.	Comments Please provide a comment.
All warning labels are in the appropriate language as defined in Direction 5221102-1EN.	Result selection is required.	Comments Please provide a comment.

## User Interface Language

NOTE:

The UI is expected to be in the language appropriate for the country in which this system is installed, according to Direction 5221102-1EN. If an authorized site representative chooses another UI language, record the following information and select 'Completed' in Results. Otherwise record NA and select 'N/A- Different language not requested' in Results.

Task	Required Information or 'NA'	Results	Comments
Radiology Manager (or equivalent)		Result selection is required.	Comments Please provide a comment.
Date of discussion		Result selection is required.	Comments Please provide a comment.
Language selected		Result selection is required.	Comments Please provide a comment.
Task		Results	Comments
Appropriate or Requested language is installed.		Result selection is required.	Comments Please provide a comment.

## Alignment Lights

Task	Results	Comments
Internal axial lights are functional and aligned.	Result selection is required.	Comments Please provide a comment.
External axial lights are functional and aligned.	Result selection is required.	Comments Please provide a comment.
Coronal lights are functional and aligned.	Result selection is required.	Comments Please provide a comment.
External Alignment lights are functional (if present).	Result selection is required.	Comments Please provide a comment.
Table Cradle alignment light accuracy test passed.	Result selection is required.	Comments Please provide a comment.

## Auto Voice

Task	Results	Comments
Auto Voice volume has been adjusted.	Result selection is required.	Comments Please provide a comment.
Patient speaker volume has been adjusted.	Result selection is required.	Comments Please provide a comment.
Operator Console speaker volume has been adjusted.	Result selection is required.	Comments Please provide a comment.



## Documentation

Task	Results	Comments
FE documentation received for all components installed.	Result selection is required.	Comments Please provide a comment.
Customer documentation received for all components installed.	Result selection is required.	Comments Please provide a comment.
Operator's manual, in the appropriate language, has been provided to the Director of Radiology (or equivalent).	Result selection is required.	Comments Please provide a comment.

## System Options

Task	Results	Comments
Advantage 4D - installed (if present).	Result selection is required.	Comments Please provide a comment.
Cardiac Option - installed (if present).	Result selection is required.	Comments Please provide a comment.
Remote Monitor - installed (if present).	Result selection is required.	Comments Please provide a comment.
Smart Step - installed (if present).	Result selection is required.	Comments Please provide a comment.
UPS - installed (if present).	Result selection is required.	Comments Please provide a comment.

## System Tests

### Cable / Clearance

Task	Results	Comments
Patient Touch Leakage test was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.
System network connections are complete and tested.	Result selection is required.	Comments Please provide a comment.
Table Height characterization was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.
Interference test was performed and the results indicate a passing condition. NOTE:	Result selection is required.	Comments Please provide a comment.
The cradle extender must be installed for this test.		

Task	Results	Comments
Gantry tilt verification test was performed and the results indicate a passing condition (Brivo CT385, ignore this item and select N/A)	Result selection is required.	Comments Please provide a comment.
Gantry tilt alignment procedure was performed and the results indicate a passing condition. (Brivo CT385, ignore this item and select N/A)	Result selection is required.	Comments Please provide a comment.

## System Ground Chassis Leakage

Task	Observed Results	Results	Comments
Console ground wire measurement indicates a passing condition of $\leq 5$ mA		Result selection is required.	Comments Please provide a comment.
Gantry ground wire measurement indicates a passing condition of $\leq 5$ mA		Result selection is required.	Comments Please provide a comment.
PDU ground wire measurement indicates a passing condition of $\leq 5$ mA		Result selection is required.	Comments Please provide a comment.
Table ground wire measurement indicate a passing condition of $\leq 5$ mA		Result selection is required.	Comments Please provide a comment.
Boom-In-Room ground wire measurement (if present) indicates a passing condition of $\leq 5$ mA (Brivo CT385, ignore this item. Enter NA)		Result selection is required.	Comments Please provide a comment.

## Tomographic Plane Indicator Accuracy

NOTE:

If scan location S1.0 or scan location I1.0 has the darkest bar, the system meets the desired specification.

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Task: Internal landmark scan plan deviation test indicates a passing condition.(mm and mm)	-1.0	1.0				Comment is required.
Task: External landmark scan plan deviation test indicates a passing condition.(mm and mm)	-1.0	1.0				Comment is required.

## Xray On Indicators

Task	Results	Comments
The SCIM/GSCB Xray On indicator illuminates during a scan.	Result selection is required.	Comments Please provide a comment.

Task	Results	Comments
The Gantry front cover Xray On indicator illuminates during a scan.	Result selection is required.	Comments Please provide a comment.
The Gantry rear cover Xray On indicator illuminates during a scan.	Result selection is required.	Comments Please provide a comment.
The Room Xray On indicator illuminates during a scan.	Result selection is required.	Comments Please provide a comment.
The Room door interlock stops a scan when the door is open (if present).	Result selection is required.	Comments Please provide a comment.

## Image Quality

Task	Results	Comments
Image Quality test was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.
CT Number test was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.
Uniformity test was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.
Center Smudge test was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.
Center Artifact test was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.
Band test was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.

## Functional System Tests

Task	Results	Comments
Functional System Tests was performed and the results indicate a passing condition.	Result selection is required.	Comments Please provide a comment.

## FE Completion Tasks

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Scan Room Task: Scan room humidity is recorded and within specification.	30	60				Comment is required.

Task	Low Spec	High Spec	Measured as Found	If Adj or N/A	Results	Comments
Units = %RH						
Scan Room Task: Scan room temperature is recorded and within specification. Units= degree Centigrade	18	26				Comment is required.
Task					Results	Comments
Scan room HVAC results indicate a passing condition.					Result selection is required.	Comments Please provide a comment.

## Finalization

Task	Results	Comments
Customer documentation was received for all components installed.	Result selection is required.	Comments Please provide a comment.
Generator recalibration was required	Result selection is required.	Comments Please provide a comment.
Collimator recalibration was required	Result selection is required.	Comments Please provide a comment.
System re-alignment was required	Result selection is required.	Comments Please provide a comment.
Option DVDs are stored in the GE Service cabinet (or equivalent).	Result selection is required.	Comments Please provide a comment.
System software CDs are stored in the GE Service cabinet (or equivalent).	Result selection is required.	Comments Please provide a comment.

## Comments, tools, and attachments

CommentsCharacter(s) 2000

### Tools used

Description  
Serial Number Add  
Bar Code  
Cal Due Date  
Attachments

### GE Representative

Number of Signers  
Name:  
FSE Name is required.

FE Completion Tasks

SSO #:

SSO Number is required.

SSO Number is a 9 digit number.

SR #

Service Record Number is required.

Date complete

Completion Date is required.

Form complete

## **Customer Signature**

- Yes
- Not Required

Customer Signature

Customer Signature is required.

Customer Signature should not exceed 50 characters.

Customer Name

Customer Name is required.

Customer name should not exceed 50 characters.

Submit FormSave Current FormValidate FormClear Form