

4. INSPECTION DETAILS

4.1 Inspection Workflow

Perform the work referring to the procedures provided below.

Procedure No.	Description	Safety-related items	Time required
1	Check the casters.	○	1 min
2	Check caster attachment sections.	○	1 min
3	Check the monitor mounting mechanism.	○	1 min
4	Check the monitor locking mechanism.	○	1 min
5	Check the peripheral device mounting mechanisms.	○	1 min
6	Check the other mechanical parts.	○	1 min
7	Turn ON the system power.		3 min
8	Check the switch and touch command screen operations on the operating panel.		1 min
9	Check the operation of the peripheral units and record the settings.		3 min
10	Check the external appearance and connections of each cable.		2 min
11	Check the transducer functions and appearance.		1 min
12	Confirm that images can be stored normally.		2 min
13	Confirm that the keyboard works normally.		1 min
14	Check the brightness of the monitor.		1 min
15	Confirm that the time and date are displayed correctly on the monitor.		2 min
16	Operation of the Trackball		1 min

Procedure No.	Description	Safety-related items	Time required
17	Back up of the preset data		5 min
18	Check the log.		2 min
19	System shutdown (execution of "Stop Aplio")		2 min
20	Unplug the power supply cable.		3 min
21	Remove the covers of the main unit.		3 min
22	Clean the filter.		1 min
23	Clean the insides of the system and the fans.		5 min
24	Replacement of parts (battery)		1 min
25	Mount the covers (other than the rear cover).		3 min
26	Turn ON the system power.		3 min
27	Perform diagnostic tests.	<Work to be performed concurrently>	20 min
		Replace the transducer holder.	
		Clean the covers.	
		Clean the LCD monitor.	
		Clean the peripheral units and accessory parts.	
		Perform operational checks for the fans.	
28	Restarting the system (execution of "Restart Aplio")		3 min
29	Turn the system power OFF. (Execute [Shutdown] from the Windows [Start] menu.)		1 min
30	Mount the rear cover.		1 min

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Procedure No.	Description	Safety-related items	Time required
31	Clean the touch panel.		1 min
32	Clean the power supply cord and the cables.		1 min
33	Clean the panels.		5 min
34	Check the electrical safety.	○	40 min
35	Turn the system power ON.		3 min
36	Check the lateral resolution and axial resolution.		1 min
37	Check the spatial resolution.		1 min
38	Check the penetration.		1 min
39	Check the contrast resolution.		1 min
40	Record the phantom temperature.		1 min
41	Record the serial number.		1 min
42	Record the cumulative power ON time of the transducer.		1 min
43	Record the images and check them.		1 min
44	Check the switch and touch command screen operations on the operating panel.		2 min
45	Perform operational checks after completion of inspection.		5 min

4.2 Detailed Inspection Workflow and Inspection Results Record

Procedure No.	Procedure	Result	Time required
1	<p>Check the casters.</p> <p>(1) Confirm that the four casters are straight and free from excess play.</p> <p>(2) Confirm that the caster lock/unlock mechanism functions correctly.</p>		1 min
2	<p>Check caster attachment sections.</p> <p>When the system is used at a site in which the system is moved frequently or moved over a route with many differences in level, confirm that the caster attachment sections of the chassis are not distorted or cracked.</p> <p>◆ If the system cannot be moved smoothly in the straight direction, there is possibility of an abnormality such as distortion or cracks in casters or caster attachment sections.</p>		1 min
3	<p>Check the monitor mounting mechanism.</p> <p>(1) Confirm that the monitor is not tilted and does not show excessive play.</p> <p>(2) Confirm that the monitor can be moved and swiveled normally.</p>		1 min
4	<p>Check the monitor locking mechanism.</p> <p>Confirm that the monitor locking mechanism functions correctly.</p>		1 min
5	<p>Check the peripheral device mounting mechanisms.</p> <p>Confirm that the peripheral devices are mounted correctly.</p>		1 min
6	<p>Check the other mechanical parts.</p> <p>Confirm that the suspension mechanism, handle, and the external panels are free from abnormalities.</p>		1 min
7	<p>Turn ON the system power.</p>		3 min
8	<p>Check the switch and touch command screen operations on the operating panel.</p> <p>(1) Confirm that the panel is not tilted and does not show excessive play.</p> <p>(2) Press the switches on the operating panel and confirm that each switch functions normally.</p> <p>(3) Touch the touch command screens and confirm that each touch command screen functions normally.</p>		1 min

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Procedure No.	Procedure	Result	Time required
9	<p>Check the operation of peripheral units and record the settings.</p> <p>(1) If a printer is used : Press the print switch and confirm that printing starts. Confirm that no abnormal sound is heard during printing. Confirm that no ink streaks, faded areas, or blurred parts are observed on printouts.</p> <p>(2) Recorder: Record a dynamic image and confirm that the image can be played back.</p> <p>(3) Note down the settings of the peripheral units (BRI/CONT).</p>		3 min
10	<p>Check the external appearance and connections of each cable.</p> <p>(1) Confirm that the cables do not have any cracks or damage.</p> <p>(2) Confirm that the connector for each cable is fixed securely in the unit.</p> <p>(3) Confirm that the cables are grounded correctly.</p>		2 min
11	<p>Check the transducer functions and appearance.</p> <p>Confirm that the transducers do not have any cracks, peeling, looseness of parts, or damage.</p> <p>◆ If a TEE transducer is used, perform the insulation resistance test. (Refer to the safety kit operation manual supplied with the transducer.)</p>		1 min
12	<p>Confirm that images can be stored normally.</p> <p>Confirm that still/dynamic images can be stored in the SSD and can be played back normally. (The storage destination must be confirmed in advance.)</p>		2 min
13	<p>Confirm that the keyboard works normally.</p> <p>Press the [A], [B], [C], and [F7] keys and confirm that each of them is entered correctly.</p> <p>(1) Confirm that the keyboard slide mechanism functions normally (including the locking mechanism).</p> <p>(2) Confirm that each switch functions normally.</p> <p>(3) Confirm that the LED indicator is lit normally.</p>		1 min

Procedure No.	Procedure	Result	Time required
14	Check the brightness of the monitor. Record the settings. (BRI/CONT) (1) Check whether there are any defective pixels. (2) Check whether there is any damage on the monitor surface.		1 min
15	Confirm that the time and date are displayed correctly on the monitor. ◆ If they are incorrect, correct them.		2 min
16	Operation of the Trackball Set the measurement mode to ON and confirm caliper movement. Operate the measurement caliper vertically and horizontally using the trackball. Confirm that the caliper moves smoothly.		1 min