CHRISTIE

CP2208-LP Preventive Maintenance Schedule

010-106994-01 Rev.2

Theater/House	Enter Theatre name and house number
Projector Part/Serial #	Enter Projector and pedestal part and serial number
Pedestal Part/Serial #	Enter Projector and pedestal part and serial number
Server Part/Serial #	Enter Server and Automation part and serial number
Automation Part/Serial #	Enter Server and Automation part and serial number

LEGEND

Note: R* replace with ball bearing fan

	Inspect
	Clean
	Replace
	Flush
	Record
	Add

Column headers (EXAMPLE / 4,000 hrs /6 months / 8,000 hrs /12 months / 12,000 hrs /18 months / 16,000 hrs /2 years / 20,000 hrs /2.5 years / 24,000 hrs /3 years / 28,000 hrs /3.5 years / 32,000 hrs /4 years / 36,000 hrs /4.5 years / 40,000 hrs /5 years / 44,000 hrs /5.5 years / 48,000 hrs /6 years / 52,000 hrs /6.5 years / 56,000 hrs /7 years / 60,000 hrs /7.5 years / 64,000 hrs /8 years / 68,000 hrs /8.5 years / 72,000 hrs /9 years / 76,000 hrs /9.5 years / 80,000 hrs /10 years)

Category	Description	Notes	Service Part number
	Date Complete (5/1/2008)	Enter Date PM was completed	
	Tech Name and Signature (John Doe)	CSE signature	
Fans/Ducts/ Intakes/Exhaust	LVPS fan	Inspect every 4000hrs/ 6 months. Replace every 36,000 hrs / 4.5 years	003-111709-xx
	Card Cage Fans (4X 92mm)	Inspect every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. Check cleanliness and clean by vacuum.	003-113173-xx
	Radiator Fans (6X 92mm)	Inspect every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. Check for dust.	003-113173-xx
	LaPh Module Fans Phosphor Wheel Heatsink (2X 60mm)	Inspect every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. Check for dust.	003-113189-xx
	LaPh Module Fans Heatpipes (2X 60mm)	Inspect every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. Check for dust.	003-113189-xx
	PFC Module Fans (2X 60mm)	Inspect every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. Check for dust.	003-113189-xx
	PSU Module Fans (2X 60mm)	Inspect every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. Check for dust.	003-113189-xx
	LE Intake Fan (92mm)	Inspect every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. Check for dust.	003-113173-xx
	LE Blower	Inspect every 4,000 hrs / 6 months. Clean every 8,000 hrs / 12 months. Replace every 24,000 hrs / 3 years. Check cleanliness and clean by vacuum.	003-110862-xx
	LE Intake Duct	Inspect every 4,000 hrs / 6 months. Clean every 8,000 hrs / 12 months. Check cleanliness and clean by vacuum.	N/A
	Skin Intake panels (Rear and Front of Projector)	Inspect every 4,000 hrs / 6 months. Clean every 8,000 hrs / 12 months. Check cleanliness and clean by vacuum.	N/A
	Skin Exhaust panels (Left and Right Side of Projector)	Inspect every 4,000 hrs / 6 months. Check for any dust and blockage.	N/A
Filters	Washable Intake Air Filter (Card cage)	Clean every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. May need to clean more frequently depending on environment.	003-004655-xx
	Washable Intake Air Filter (Light Engine)	Clean every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. May need to clean more frequently depending on environment.	003-004654-xx
	Washable Intake Air Filter (Radiator)	Clean every 4,000 hrs / 6 months. Replace every 40,000 hrs / 5 years. May need to clean more frequently depending on environment.	003-005855-xx
Electronics	LVPS (300W)	Inspect every 4,000 hrs / 6 months. Check cleanliness.	003-120705-xx
	LDB	Inspect every 4,000 hrs / 6 months. Check cleanliness.	003-121290-xx
	BRIDGE Board	Inspect every 4,000 hrs / 6 months. Check cleanliness.	003-112854-xx
	PFC	Inspect every 4,000 hrs / 6 months. Check cleanliness.	003-121289-xx
	PSU	Inspect every 4,000 hrs / 6 months. Check cleanliness.	003-121289-xx
	Battery on ICP (RTC Battery Only)	Replace every 40,000 hrs / 5 years. Replace with Panasonic BR2330.	N/A
	Battery on PIBS1	Replace every 40,000 hrs / 5 years. Replace with Renata CR2032 or CR2032MFR.	016-101495-xx 20 mm Coin 3V Lithium, CR2032
	Latest Christie software version	Inspect every 4,000 hrs/6 months. Review Service Bulletins/Information Bulletins/Technical Bulletins to verify that you have the latest software version for this projector.	
LaPh Module	Record Temperatures	Measure and record every 4,000 hrs / 6 months. Record temperatures for LaPh Phosphor Wheel, LaPh Y2T1, LaPh Y5T2, LaPh Y8T3, LaPh Y11T4, LaPh B1T1 Top and LaPh B2T2 Bottom.	
	Record LaPh Module hours	Measure and record every 4,000 hrs / 6 months.	
	Record Voltage reading	Measure and record every 4,000 hrs / 6 months. Is YNF in or out?	
TPC	LCD Screen	Inspect every 4,000 hrs / 6 months. Check LCD screen display condition, touch screen working, etc.	003-102075-02
	Latest S/W version	Inspect every 4,000 hrs/ 6 months. Install new version of software, if any.	
ILS	Projector Lens	Inspect every 16,000 hrs/ 2 years. Check motor noise and wire connections.	
	Mechanical parts; motors	Inspect every 16,000 hrs/ 2 years. Check moving parts to determine if any are stuck, worn out etc. Check for motor noise.	003-103553-xx
	Verify onscreen image alignment	Inspect every 4,000 hrs/ 6 months. Confirm that image locations by channel are still accurate.	
Optics	YNF	Inspect every 16,000 hrs/ 2 years. Check for dust and surface cracks.	003-105951-xx
	Shutter/Shutter Motor	Inspect every 16,000 hrs/ 2 years. Check mechanical parts and motor.	003-102988-xx
Image Evaluation	Pixel defects	Inspect every 4,000 hrs/ 6 months. Bright GRB (0,0,0) Dark GRB (1,2,3)	
	Excessive Image Vibration	Inspect every 4,000 hrs/ 6 months. Less than +/-0.7 pixel. Measured at 2 screen heights away from screen, for 30s. Subjectively measure by eye.	
	Image Fill	Inspect every 4,000 hrs/ 6 months. Check aperture shadows.	
	Focus/Boresite	Inspect every 4,000 hrs/ 6 months.	
	MCGD	First record at 4,000 hrs/ 6 months, then record every 8,000 hrs/ 12 months.	
	Light Level (full output)	Record every 4,000 hrs / 6 months; Every 8,000 hrs/ 1 year, turn off LiteLoC and remove YNF, and adjust lamp power to 100%, record uncorrected center brightness.	
	Convergence	Inspect every 4,000 hrs/ 6 months. 1/8 center, 1/4 corners	
	LiteLOC	Inspect every 4,000 hrs/ 6 months. Is LiteLOC turned on or off?	
	Check yellow/blue balance	Inspect every 8,000 hrs/ 1 year, adjust if necessary.	
	Center lumens(measure and document)	Record every 4,000 hrs/ 6 months. Verify projector is color calibrated and correct TCGD file is selected (DCI_XYZE). Ft-L measurement must be done using the DCI_XYZ Full Screen White test pattern.	
Overall Notes/Comments	PM # 1	General note and comments on how the PM was executed	
	PM # 2	General note and comments on how the PM was executed	
	PM # 3	General note and comments on how the PM was executed	
	PM # 4	General note and comments on how the PM was executed	
	PM # 5	General note and comments on how the PM was executed	
	PM # 6	General note and comments on how the PM was executed	
	PM # 7	General note and comments on how the PM was executed	
	PM # 8	General note and comments on how the PM was executed	
	PM # 9	General note and comments on how the PM was executed	
	PM # 10	General note and comments on how the PM was executed	