

CHRISTIE		CP4220 Preventive Maintenance Schedule												010-103417-03 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																							
		Inspect	Flush	Clean	Record	Replace	Add																		
Description		EXAMPLE	4,000 hrs/6 months	8,000 hrs/12 months	12,000 hrs/18 months	16,000 hrs/22 months	20,000 hrs/25 years	24,000 hrs/25 years	28,000 hrs/25 years	32,000 hrs/25 years	36,000 hrs/25 years	40,000 hrs/25 years	44,000 hrs/25 years	48,000 hrs/25 years	52,000 hrs/25 years	56,000 hrs/25 years	60,000 hrs/25 years	64,000 hrs/25 years	68,000 hrs/25 years	72,000 hrs/25 years	76,000 hrs/25 years	80,000 hrs/25 years			
Date Complete		5/1/2008																							
Tech Name and Signature		John Doe																							
		Notes																				Service part number			
Engine Cooling	Liquid cooling fluid																							Check for leaks in all hoses. Check routing as per document. Fluid level must be between markings behind filter. Inspect every 4,000 hrs/ 6 months. Flush every 12,000 hrs/ 18 months.	003-001837-xx
	Intake filters (Disposable)																							Change every 4,000 hrs / 6 months, or as often as required in a dirty environment.	003-001184-xx
	Intake filter (Radiator)																							Inspect every 4000 hrs/ 6 months. Replace every 12,000 hrs/ 18 months. Check cleanliness and replace if necessary before scheduled replacement.	003-003082-xx
	LAD filters																							Check cleanliness and replace if necessary before scheduled replacement. Inspect every 4,000 hrs/ 6 months. Replace every 12,000 hrs/ 18 months.	003-001982-xx
	Cooling pump																							Check noise, leakage every 4,000 hrs/ 6 months. Replace every 44,000 hrs/ 5.5 years.	003-111198-xx
	Engine intake fans																							Inspect every 4000 hrs/ 6 months. Replace every 36,000 hrs/ 4.5 years. Check cleanliness, clean by vacuum and replace if necessary before scheduled replacement.	003-110827-xx
	LAD fan																							Check operation of laminar air flow device and ensure filter is clean. Inspect every 4,000 hrs/ 6 months. Replace every 48,000 hrs/ 6 years.	003-110854-xx
Lamp Cooling	Heatsink mount at DMD's and leaks																						Inspect every 4,000 hrs/ 6 months. Check heatsink for leaks.		
	Lamp blower																						Fan must not rattle, squeak and must turn freely. To clean dust, use canned air or soft brush with vacuum. Open lamp door, turn the projector ON and allow excess dust to evacuate from lamp compartment. Clean every 4,000 hrs/ 6 months. Replace every 52,000 hrs/ 6.5 years.	003-001563-xx	
	CFM of lamp extractor																						Measure and record every 4,000 hrs / 6 months. Measure airflow in ft/m CFM=(ft/m)*.34.		
Lamphouse	Correct operation of vane switches																						Inspect every 4,000 hrs / 6 months.		
	Lamp reflector																						Inspect every 4,000 hrs/ 6 months. Clean every 12,000 hrs/18 months. Replace every 40,000 hrs/5 years.	003-001188-xx	
	Lamp anode connector																						Inspect every 4,000 hrs/ 6 months. Check to see if anode connection is darkened or does not tighten. Check for tightness of connection on anode lead to igniter.	003-003087-xx	
	Lamp cathode nut																						Inspect every 4,000 hrs / 6 months. Check connection of wires attached to cathode nut.		
	UV filter																						Inspect every 4000 hrs / 6 months. Replace every 3 years / 24,000 hrs	003-001568-xx	
	Igniter cooling tube																						Inspect every 4,000 hrs / 6 months. Check for cracks and connections.		
	Igniter shroud																						Inspect every 4,000 hrs / 6 months. Check for cracks and breakdown of material. Discoloration is acceptable.		
Projector	LampLOC components (XYZ adjuster) / brightness calibration																						Inspect every 4,000 hrs / 6 months. Clean every 12,000 hrs / 18 months. Ensure there is no mechanical obstruction, all parts are free moving. Inspect all cables and cable routing. Perform auto lamp adjust and set min and max levels.		
	Card cage fans																						Inspect every 4000hrs/ 6 months. Replace every 36,000 hrs / 4.5 years	003-111709-xx	
	Electrical connections																						Inspect every 4,000 hrs / 6 months. Check lamp cathode connections and connections around the igniter to ensure they are secure.		
	Cold mirror (hazy coating if brightness loss is noted)																						Inspect every 16,000 hrs / 2 years. Check for crazing on cold mirror (lines or cracks in the coatings).		
	Unit is level and secure																						Inspect every 4,000 hrs/6 months. Unit is secure and check that projector is secure to base (rack stand).	003-120508-xx	
Electronics	Lamp information entered into the TPC (History)																						Inspect every 4,000 hrs/6 months.		
	Battery on ICP (RTC Battery Only)																						Replace every 40,000 hrs / 5 years. Replace with Panasonic BR2330.		
TPC	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.		
	LCD screen																						Inspect every 4,000 hrs/6 months. Check LCD screen display condition, touch screen working, etc.		
Image Evaluation	Latest software version																						Inspect every 4,000 hrs/6 months. Install new version of software if any.		
	Pixel defects																						Inspect every 4,000 hrs/6 months. (all values R/G/B) Factory: Bright 1/0/3, Dark 10/6/10, Field Warranty: Bright 2/0/4, Dark 12/8/12 *all multiple defects must be non-adjacent.		
	Excessive image vibration																						Inspect every 4,000 hrs/6 months. Must be 1/2 pixel or less.		
	Integrator position																						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 (set to 14 fL)																						Record every 4,000 hrs / 6 months. Adjust lamp power to achieve 14fL.		
	Convergence																						Inspect every 4,000 hrs / 6 months. 1/2 center, 1/2 vertically at sides, 1/2 horizontally at top and bottom.		
MALM	TCGD																						First record at 4,000 hrs/ 6 months, then record every 8,000 hrs / 12 months.		
	LiteLOC																						Inspect every 4,000 hrs / 6 months. Is LiteLOC turned on or off?		
Overall Notes/Comments	MALM																						Inspect every 16,000 hrs / 2 years. Check moving parts and motor noise.		
	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.			