	CHKISTIE'	CP42LH, D4KLH60, Mirage 4KL	LH Preventive Maintenance S	chedule	0'	10-106483-0	2 Rev.3		
	Theater/House	(Enter theatre name and house number)							
	Projector Part/Serial # Server Part/Serial #	(Enter server and automation part and serial number)		LEGEND	Note: R* rej	place with ball	bearing fan		
	Automation Part/Serial #	(Enter server and automation part and serial number)		Inspect	Clean		Replace		
				Flush	Record		Ådd		
			the other as a	15 at	ats 1845 0315	ears as	.eat5 .eat5 .et		
			6444 10 10 10 10 10 10 10 10 10 10 10 10 10	3 4° 35 1 51 14 14 51 15	15.57 510 10	2×1 4° 15	1 18.07 18.57		
			52 10 10 10 10 10 10 10 10 10 10 10 10 10	200 H1 000 1 00 H1 00 H1 00	ht ant ant ant	philophilop	nt oo nt oo nt	So the second	
		Description		10/320/360/ HOV HAV	12 1 52 52 55V	60,0 64,0	681/ 121/ 18	Notes	Service part numb
			5/1/2008						
		Date Complete						Enter date PM was completed	
			John Doe						
		Task Manual O'suratana							
	Light Engine Compartment	Tech Name and Signature						CSE signature	
		Liquid cooling lines and fluid						Check for kinks in all hoses. Check routing as per document.	003-120911-xx
		Intake filters (Disposable)						Replace every 4000 hrs/ 6 months. Check cleanliness and replace if necessary before scheduled replacement.	003-001184-xx
		Intake filters (Washable)						Clean every 4000 hrs/ 6 months. Change as often as required in a dirty environment.	003-005010-xx
		LAD filters						Inspect every 4000 hrs/ 6 months. Replace every 12,000 hrs/ 18 months. Check cleanliness and replace if necessary before scheduled replacement.	03-001982-xxP
		Cooling pump Engine intake fans				_		Check noise, leakage, and replace cooling system if necessary. 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.	003-110854-xx
		Waterblocks at DMD's and leaks						Check waterblocks for leaks.	
		Intake filters (Washable)						Clean every 4000 hrs/ 6 months. Change as often as required in a dirty environment.	003-005011-xx
		Intake filters (Disposable)						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
	Liquid Cooling Compartment	Cooling liquid in reservoir						Fluid level must be between markings behind filter. Check for solids or gels in cooling lines. Flush and refill every 32,000 hrs.	
	Elquid cooling comparation	Liquid cooling lines and fluid							
		Radiator fans						Check operation and cleanliness of radiator fans. Fan must not rattle, squeak and must turn freely. Replace if necessary.	003-120453-xx
ad		LVPS						Inspect every 4,000 hrs/6 months. Check for cleanliness.	003-120508-xx
Head	Fibre Connection/Optics	LAD filters						Check cleanliness and replace if necessary before scheduled replacement.	03-001982-xxP
ē	Projector Electronics	Card cage fans						Inspect every 4000hrs/ 6 months. Replace every 36,000 hrs / 4.5 years	003-111709-xx
<u>je</u>		Electrical connections						Check lamp cathode connections and connections around the igniter to ensure they are secure.	
Projector		Cold mirror (hazy coating if brightness loss is noted)						Check for crazing on cold mirror (lines or cracks in the coatings).	003-001527-xx
		Unit is level and secure						Unit is secure and check that projector is secure to base (rack stand).	
		Battery on ICP (RTC Battery Only)						Replace with Panasonic BR2330	
	TPC	Latest Christie software version						Review Service Bulletins/Information Bulletins/Technical Bulletins to verify that you have the latest software version for this projector.	
		LCD screen Latest software version						Check LCD screen display condition, touch screen working, etc.	
		Color sensor values						Install new version of software if any. Record color sensor values and gain stage values for RGB with all laser modules ON, using the TPC	
		Pixel defects						(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						Must be 1/2 pixel or less.	
		Integrator position						Check aperture shadows.	
		Focus/boresite							
		MCGD							
		Light level (set to 14 fL)						Adjust laser power to achieve 14fL.	
		Convergence						1/2 center, 1/2 vertically at sides, 1/2 horizontally at top and bottom	
		TCGD							
		ILS lens position							
		Individual Laser Module Color Sense Values						Record color sensor values for RGB of each laser module in turn, using the TPC.	
		Ambient Temperature						Record "Filtered Air Intake" value from TPC.	
e		Clean Air Filter						Inspect and clean as often as required in a dirty environment.	003-005066-xx
Ĩ		Coolant Leaks (Outstide Only)						Remove side and back panels of laser rack and check for coolant leaks on outside of modules. In particular check at the back where the fans are located.	
Module		Green PPLN Temperature Controller Control Variable Green PPLN Temperature Controller Temperature Stability						Record from LBM software interface.	-
e.		Blue Laser Stack Voltage						Record from LBM software interface.	
Laser		Red Laser TEC Power Consumption						Record from LBM software interface.	1
-		Compressor Speed Control Variable						Record from LBM software interface.	1
		Fan Speed Control Variable						Record from LBM software interface.	
		Replace Fans						Inspect every 4000 hrs/ 6 months. Replace every 24,000 hrs/ 3 years. Fan must not rattle, squeak and must turn freely. Replace if necessary before scheduled replacement.	003-112343-xx
d)		Bend Radius						Check that the fiber is never bent smaller than the Minimum Bend Radius of 200mm	110 H 2010 M
Fibre		Output End Temperature						Record the output ferrule temperature during operation by plugging the K-Type thermocouples into a thermocouple meter.	
		Input End Temperatures						Record the input connector temperatures during operation by touching a thermocouple to the heatsink of each connector	
каск	Power supply	Clean Air inlet						using a vacuum or brush, clean off any dust build up at the air inlet vents. Inspect and clean as often as required in a dirty environment.	
20	Rectifier	Clean Air inlet						using a vacuum or brush, clean off any dust build up at the air inlet vents. Inspect and clean as often as required in a dirty environment.	
		PM # 1	General note and comments on how the PM was executed						
		PM # 2 PM # 3	General note and comments on how the PM was executed						
	-	1 11 7 9	General note and comments on how the PM was executed						
		PM # 4	General note and comments on how the PM was executed						
	Overall Notes/Comments	PM # 4 PM # 5	General note and comments on how the PM was executed						
	Overall Notes/Comments	PM # 4 PM # 5 PM # 6 PM # 7							
	Overall Notes/Comments	PM # 4 PM # 5 PM # 6	General note and comments on how the PM was executed General note and comments on how the PM was executed						