

Critical Defects Analysis Reports

Basic Information

Name of the Ship/Establishment	Department	System	Sub-System	Unique Identification Code	OEM
INS Lion	Electrical	Radar System	Cooling Fan	33333	GHI

Date Defect Occurred	Date Defect Resolved	If defect still outstanding, reasons thereof
01/03/2024	05/3/2024	Not Applicable

Defect Analysis

Brief Description of the Defect	Defect Analysis
Unusual noise during operation	The magnetron failed to generate the required frequency, necessitating a replacement.

Defect Resolution

Steps taken to resolve the defect	Spare parts used to resolve the defect	Important correspondence related to defect analysis and resolution (OPDEF, STOREDEM, etc,)
After powering down the radar system and isolating it from its power supply, the cooling fan was inspected. Following the system's diagnostics, the defective Cooling Fan was replaced. Post-installation,	Cooling Fan	MAINTREQ 04/24, SUPPLYORD 05/24

airflow, fan speed, and temperature regulation were tested to ensure that the new cooling system met the performance parameters specified in the maintenance documentation.		
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Key Personnel involved in Defect Analysis and Resolution

Sl. No.	Name	Rank/Designation	Unit
01.	Arnav Soumen	Foreman	Repair Unit 6
02.	Ram Vilas	HSK 1	Repair Unit 1
03.	S Desai	HSK 2	Repair Unit 1