

MOTOR MO-50-8D-2

1	Nomenclature/ Part No./ GIG No	Motor MO-50-8D-2/VD3.183.003TU/848235
2	Year of Procurement/Source	1980/ OEM (Ex-Russia)
3	Fleet/ Sub system/ Weapon system	PECHORA SAGW/P-19 RADAR
4	Technical Applicability/ Broad Purpose	Motor MO-50-8D-2 used in phase commutator for phase shifting from Phase –I to Phase –II in P-19 radar.
5	Technical specifications	Input power supply phase to phase 220 V 400 Htz.
6	Publication Details	TD & OI OF P-19 RADAR
7	Photograph of equipment	As attached
8	Brief description	The control circuit is fed with +27 V in phase I, or 0 V in phase II is applied through B-4/POC-72-1 Sch 15/4 cable lead in box Sch 19/11 Relay 22 of PA-73. The relay couples 220 V FB to the first or second contact arrangements of the cam of the cam-mechanism, through this it switches on the rectifier of electric brakes Y2 and motor M1 which is applied with phase A permanently. The motor rotates U-shaped section co-axial line and opens the path of 220 V phase B to motor and the rectifier of brake. Brake is applied immediately and motor rotation is stopped.
9	Classification of Equipment LRU/Testers/ Ground Equipment/ Role Equipment (Electrical/Electronics/Mechanical/Software based etc.)	Electrical based
10	Previous repair history	NIL
11	Criticality (Priority I/II/III)	Critical (priority-I)
12	Requirement: Repair or Indigenization or both	Indigenisation
13	Quantity required (one time/annual)	(--/08)
14	Sample Availability	Yes
15	Scale/ Deficiency	02 per Radar/ Nil
16	If deficient- How deficiency is being plugged?	N/A
17	Draft QTS with major testing	
18	SPOC details item/fleet wise	SPE ISC, 7BRD, AF
19	Any other relevant information.	High failure rate.

GIG	VOCAB	PART NO	DESCRIPTION
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