

ROTOR PLATE ASSY

SL No.	PARTICULARS	DETAILS
1	Nomenclature / Part No. / GIG No.	Rotor Plate Assy / 52D 373-2 / 660490
2	Year of Procurement / Source	2002 / (AHQ/294) ESCO
3	Fleet / Sub System/ Wpn System	Arrester Barrier / friction Brake Assy / BAK 12
4	Technical Applicability/ Broad Purpose	During an arrestment, the rotors and stators are compressed between the pressure plate and backing plate by action of the 12 hydraulic pistons in the brake carrier. Energy absorption is the result of the friction produced as the rotors rub on the stators.
5	Technical Specification (attach as separate sheets)	Attached as Annexure I
6	Publication Details (attach as separate sheets)	Attached as Annexure II
7	Photograph of Equipment	Attached as Annexure III
8	Brief Description	Each brake assembly consists of a brake carrier and torque tube supported by the tape reel pillow block; a pressure plate with metallic wear pads for contact with the first of the sintered metallic rotors; the rotors, which are keyed to the tape reel through the brake drum the stators with wear pads on both surfaces and keyed to the torque tube and the backing plate.
9	Classification of Equipment- LRU/Testers/ Ground Equipment/ Role Equipment held details base wise)	Ground Equipment
10	Previous Repair History	Nil
11	Criticality (Priority I, II or III)	Non-Critical
12	Requirement: Repair or Indigenisation or both?	Indigenisation
13	Quantity Required (One time/ Annual)	One time (During MOH only)
14	Sample Availability	Yes
15	Scale/ Deficiency	N/A
16	If deficient- How deficiency is being plugged?	N/A
17	SPOC details item/ fleet wise	SPE ISC, 8BRD, AF
18	Draft QTS with major testing requirement (if already designed)	Not available
19	Any Other Relevant Information	--

TECHNICAL SPECIFICATION

PART No: 52 D 373-2

DESCRIPTION: Rotor Plate Assy

GIG No: 660490

INDIVIDUAL ITEM OR ASSEMBLY: Individual Item

ITEM INDIGENSIATIOIN SAMPLE TYPE:

ANY INSCRIPTION ETC DETAILS ON THE ITEM IF ANY: NO INSCRIPTION

PURPOSE OF THE ITEM IN BROAD SENSE: During an arrestment, the rotors and stators are compressed between the pressure plate and backing plate by action of the 12 hydraulic pistons in the brake carrier. Energy absorption is the result of the friction produced as the rotors rub on the stators.

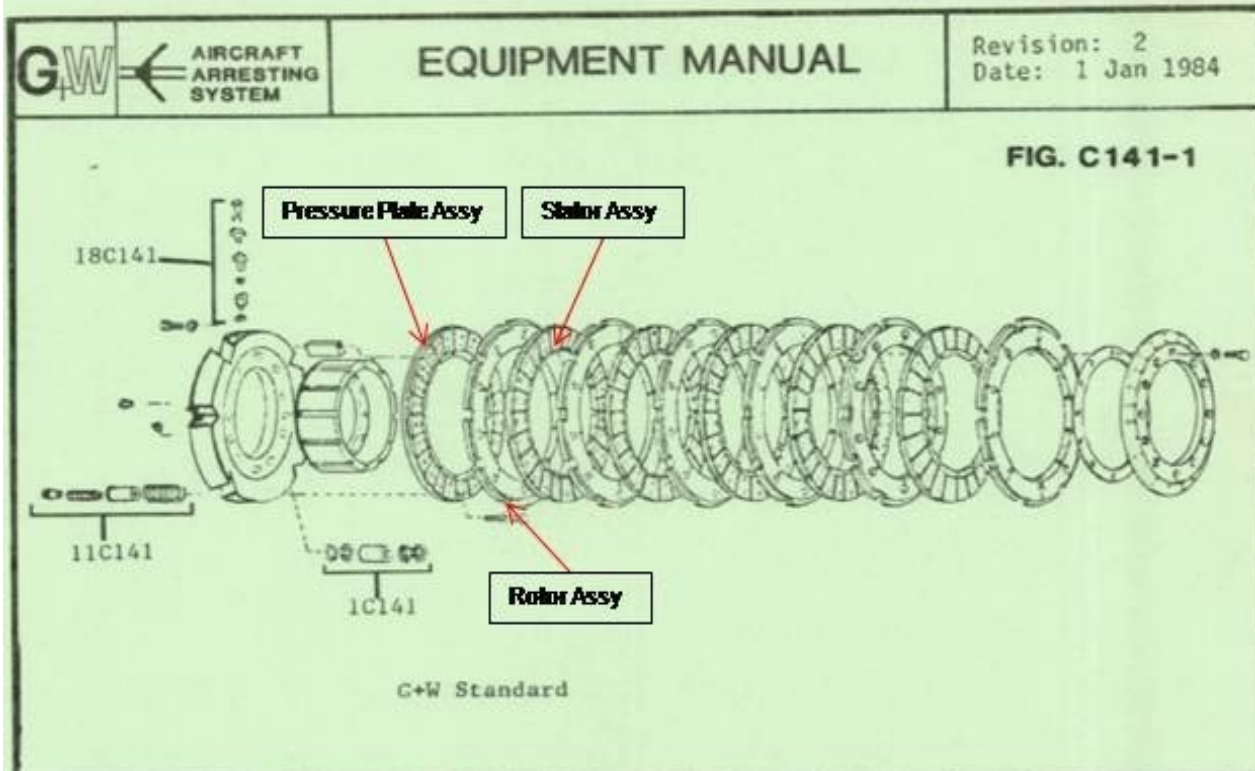
DIMENSIONS:

SL No.	ATTRIBUTES	VALUES (Appx.)
1.	OD	25 Inch
2.	ID	16.5 Inch
3.	THICKNESS	0.466 Inch

TESTING UNIT/SECTION/BAY: 08 BRD/ABOD

IN HOUSE AVIALABILILTY TESTING: YES

REF. NO.	G+W PART NO.	DESCRIPTION	QUANTITY			USED ON
			I	B	D	
C100	-	SPARES, BAK-12 ABSORBER (Cont'd.)	-	-	-	-
C141	52D7491-1	O/H KIT, Brake Carrier	-	-	3	A
C142	52D373-1	BRAKE, Rotor Assy.	-	-	16	A
C143	52C935-1	BRAKE, Stator Assy.	-	-	14	A
C144	52C934-1	BRAKE, Pressure Plate	-	-	4	A
C145	52D672-1	BRAKE, Backing Plate	-	-	2	A
C146	52D248-1	VALVE, Control (Gland Assy.)	-	-	2	A
C147	52B10210-1	O/H KIT, Control Valve	-	1	3	A
C148	52B10203-1	O/H KIT, Gear Box (Synchronizing)	-	-	2	A
C149	52W2291-7	SWIVEL JOINT, Hydraulic	-	1	1	A
C150	52B10306-1	O/H KIT, Swivel Joint	-	-	2	A



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