

22H30 ITEM 04

STOK NO : 145108738

TALEP NO: 1630070

Abbreviated Military Component Maintenance Manual
Antenna 660 400W for OM400 Radar

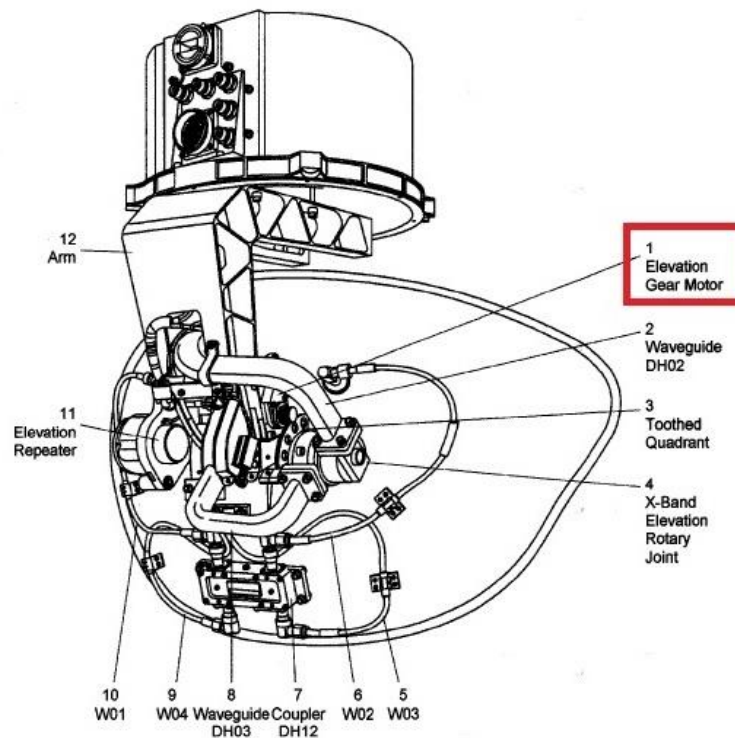


Figure 4 Radar Antenna - Overview on reflector backside

The arm includes:

- The elevation gear motor (item 1) which drives the toothed quadrant (item 3) attached to the reflector; the elevation gear motor (item 1) is composed of an electric motor and a gearbox.
- The elevation repeater unit (item 11) driven by a second toothed quadrant attached to the reflector.

The microwave link includes:

- A flexible waveguide DH02 (item 2) which connects the X-band bearing rotary joint to the X-band elevation rotary joint.
- An X-band elevation rotary joint (item 4).
- A flexible waveguide DH03 connected to the X-band feed (item 8).

The transmission line for the IFF transmission/reception signals includes:

- Flexible coaxial cables (items 6 and 10).
- Coupler DH12 (item 7).
- Flexible coaxial cables (items 5 and 9) connected to the IFF dipoles sparing the use of a L-band bearing rotary joint.

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Note:

The reference system is applicable for the evolutions.

Thales Systèmes Aéroportés reference: XX XXX XXX YY ZZ:

The YY / ZZ parameters define the interchangeability levels of the items which come in 2 types:

- Functional interchangeability (YY): two articles can be in functional interchangeability only if their functional, physical characteristics and interface (form, made, function) are equivalent.
- Logistical interchangeability (ZZ): two articles can be in logistical interchangeability only when simultaneously, they are in functional interchangeability and when there is functional interchangeability of all components susceptible to be exchanged undependably of the level of maintenance, during the maintenance operation.

3.3 Antenna Configuration

3.3.1 Product Breakdown Structure

The following table gives the most important parts of the antenna:

LRU level	SRU level	LRU	Quantity	SRU	Applicable Configuration
X	1 2	Antenna 600/400W	1		61013458
	X		1	Wired Antenna	61035332
	X		1	UREC	61017081
	X		1	Peak Power Test PCB	45783531
	X		1	Elevation Gearmotor	45786230
	X		1	Motor	96177278
	X		1	Bearing Gearmotor	45786220 → A2
	X		1	Motor	96177278
	X		1	Elevation Encoder	45517870
	X		1	Bearing Encoder	45518380
	X		1	X Band Rotary joint	29556050
	X		1	L Band Rotary Joint	20051495
	X		1	Source	61035334
	X		2	IFF dipoles	20807700
	X		1	Equipped Reflector	45572499

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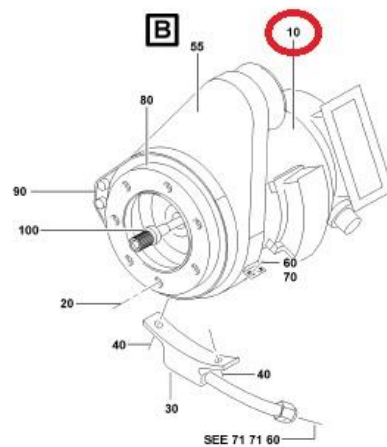
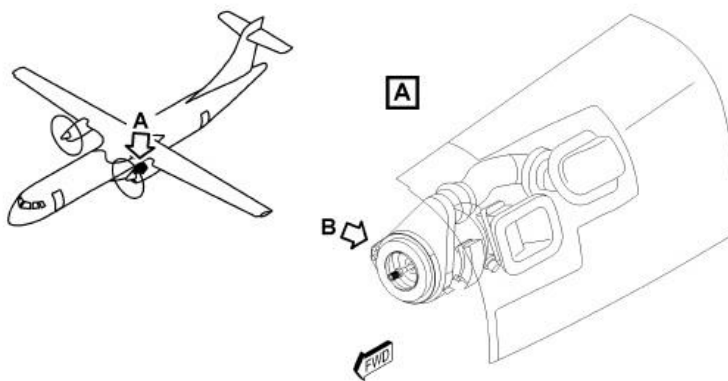
STOK NO : 150120508

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ATR72-TMPA - ILLUSTRATED PARTS CATALOG



A000-IPC-24-552

GENERATOR INSTL-AC, LH, Z400
Figure 03

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ATR72-TMPA - ILLUSTRATED PARTS CATALOG

FIG.	ITEM	PART NUMBER NSN	1 2 3 4 5 6 7	DESCRIPTION	USAGE FROM TO	I C Y	UNIT PER NHA
	03			GENERATOR INSTL-AC, LH, Z400			
-	001	22S92388124-000		GENERATOR INSTL-AC, LH, Z400			REF
	010	A3524-300 6115-15-012-0508		• ALTERNATOR (Refer to CMM: 243059) (1XU1)			1
ATTACHING PARTS							
	020	NAS1726C6E 5310-01-608-8395		• NUT			6

	030	41S71710046		• TANK ASSY			1
ATTACHING PARTS							
	040	NAS1096-3-4 5305-00-184-8363		• SCREW			2

	045	E0186R16S10-01		• CONNECTOR, MATING (1XU1A)			1
-	050	P034144 6115-15-012-0511		• ALTERNATOR KIT			1
	055	P033802		• • BUSE SORTIE AIR			1
ATTACHING PARTS							
	060	P724089		• • SCREW			4
	070	V0590405 5310-14-040-9520		• • WASHER			4

	080	90006300 5340-14-580-8541		• • CLAMP, V-BAND			1
	090	P034015 4730-15-012-0836		• • ADAPTER MONTING			1
	100	J1018354 5331-14-040-9200		• • O-RING			1

- ITEM NOT ILLUSTRATED

Figure 03

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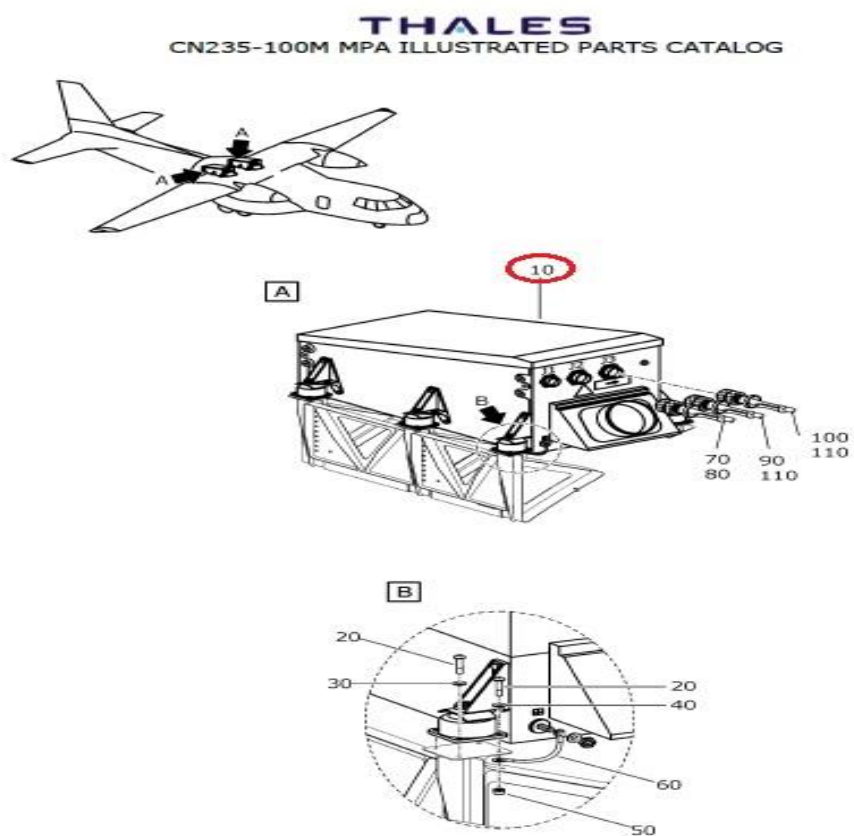
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STOK NO : 145713749

TALEP NO: 1552853



FIXED FREQUENCY CONVERTER (FFC) INSTL.

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STOK NO : 145713749

TALEP NO: 1552853

THALES
CN235-100M MPA ILLUSTRATED PARTS CATALOG

FIG. ITEM	PART NUMBER	DESCRIPTION	EFFECT	QTY
01		1234567 		
- 001		FIXED FREQUENCY CONVERTER (INST)		BE
010	61037463AE00	.FIXED FREQUENCY CONVERTER (F0052) (XE21, XE22)		2
020	NAS1143-8	.SCREW		48
030	NAS1149C0332R	.WASHER		50
040	NAS1149D0332J	.WASHER		2
050	MS21045C3	.NUT		2
060	M83413/8-A004BD	.JUMPER ASSY		2
070	D38999/26WG41SN	.CONNECTOR (XE21a, XE22a)		2
080	265.40.20.05.05.55.SC	.BACKSHELL		2
090	D38999/26WJ19PN	.CONNECTOR (XE21b, XE22b)		2
100	D38999/26WJ19SN	.CONNECTOR (XE21c, XE22c)		2
110	265.40.24.13.05.55.SC	.BACKSHELL		4
- 120	96194740AA	.FILTER		2
- 130	ENISO14580-M3X30-A4-70	..SCREW		8
- 140	ENISO7092-3-200HV-A4	..WASHER		8

-ITEM NOT ILLUSTRATED
MISSING ITEMS AND VARIANTS ARE NOT APPLICABLE

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Fig. 01
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