

2 X EMBRAER ERJ 170



Registration	TS-IJA	TS-UB
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1 Aircraft Description

1.1 Airframe Data as of 17 Aug 2019:

Manufacturer	EMBRAER	EMBRAER
Model	ERJ 170	ERJ 170
Registration	TS-IJA	TS-UB
Year of Manufacture	Jul-07	Jul-07
TSN	21599	22353
CSN	24647	25192
Country of Registration	TUNISIA	TUNISIA

1.2 Airframe Status as of 17 Aug 2019:

<i>Aircraft Registration</i>	TS-11A	TS-UB
<i>Type Of Last CK (A, C, D, etc.)</i>	PH 32 (D 24000Fh)	PH 32 (D)
<i>Date Of Last CK</i>	01/04/2019	In progress
<i>Next Due C CK</i>	29096FH/33395FC	-
<i>Airframe Days Remaining Since Last / Until Next Maintenance (C CK)</i>	7500FH/8750FC	-
<i>Last Major Check</i>	PHASE 24 (+8YEAR +20000FC)	PHASE 24 (+8YEAR +20000FC)
<i>Date of last Major Check</i>	18-Sep-15	31-Oct-15
<i>Hours at last Major Check</i>	15587	16267
<i>Cycles at last Major Check</i>	17959	18726
<i>Next Major Check</i>	PHASE 50 (+8YEAR +40000FC)	PHASE 50 (+8YEAR +40000FC)
<i>Hours since Last Major Check</i>	6009	6086
<i>Cycles Since Last major Check</i>	6686	6466
<i>Overhaul Facility</i>	EGME	EGME

1.3 Maintenance Intervals in accordance with Embraer MPD:

■ Intervals

A-Check	PH 1	750 FH
Basic 1 (B1)	PH 10	7500 FH, 8750 FC
Structure Inspection		20,000 FC (8Years CPCP Threshold)

■ Utilization

FH/YEAR	5000 HRs
FH/FC	2 / 1.
APU/FH	1 / 2

2 Engines

2.1 Engines (CF34-8E5) Data as 17 Aug 2019:

<i>Aircraft Reg.</i>	TS-11A	TS-11B
<i>Aircraft Serial No</i>	17000170	17000175
<i>Engine Position</i>	#1	#1
Serial #	193707	193498
TSN	14940	19081
CSN	15631	19493
TSO	2405	3204
CSO	2704	3440
TLSV	2405	3204
CSLSV	2704	3440
Installation Date	22/10/2017	05/03/17
First LLP Limiters	2nd st.Turbln Rotor Disk	2nd st.Turbln Rotor Disk
Cycles Remaining	7386	4607
Overhaul Facility	MTU	MTU
Status	Serviceable	Serviceable
<i>Engine Position:</i>	#2	#2
Serial #	193725	193714
TSN	15301	16247
CSN	16151	16925
TSO	1625	1892
CSO	1917	1999
TLSV	1625	1892
CSLSV	1917	19999
Installation Date	22/10/2017	18/07/2019
First LLP Limiters	2nd st.Turbln Rotor Disk	2nd st.Turbln Rotor Disk
Cycles Remaining	8469	7175
Overhaul Facility	MTU	GE
Status	Serviceable	Serviceable
Operating Thrust Rating	13420 lb	
Derate Thrust Rating	Up To 15%	
Life Limited Parts Status	Refer To Attachment (1)	

2.2 Auxiliary Power Units (APS 2300) as of 17 Aug 2019:

<i>Aircraft Reg.</i>	TS-IJA	TS-UB
Serial #	HSC-E0823565	HSC-E0723282
Installation Date	14/10/2017	23/11/2017
TSN	12381	12382
CSN	21367	20286
TLSLV	1967	1491
CSLSV	2555	2656
Status	Serviceable	Serviceable

3 Weight Data (all Aircraft):

Maximum Ramp Weight	37360 KG				
Maximum Take-off Weight	37200 KG				
Maximum Landing Weight	32800 KG				
Maximum Zero Fuel Weight	29600 KG				
Empty Weight	21175 KG				
Fuel Capacity		LEFT WING	CENTER	RIGHT WING	TOTAL
	KG	4714	0	4714	9428
	LITERS	5812.5	0	5812.5	11625

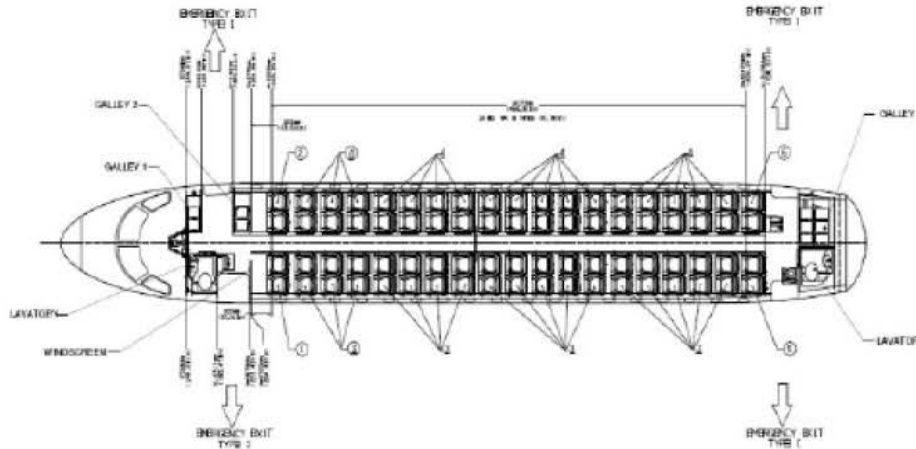
4 Landing Gear as of 17 Aug 2019:

<i>Aircraft Registration</i>	TS-JA	TS-UB
<i>Aircraft Serial No</i>	17000170	17000175
	NOSE	NOSE
Part Number	170-70404-405	170-70404-405
Serial Number	193	319
Date Last Overhaul	26/4/2007	13/03/2009
Time Between Overhaul	12 YEARS	12 YEARS
Date Next Overhaul	31/11/2019	31/11/2019
	LEFT	LEFT
Part Number	170-70031-407	170-70031-407
Serial Number	321	324
Date Last Overhaul	26/4/2007	30/5/2007
Time Between Overhaul	12 YEARS	12 YEARS
Date Next Overhaul	30/11/2019	30/11/2019
	RIGHT	RIGHT
Part Number	170-70031-408	170-70031-408
Serial Number	5315	5320
Date Last Overhaul	26/4/2007	30/5/2007
Time Between Overhaul	12 YEARS	12 YEARS
Date Next Overhaul	30/11/2019	30/11/2019

5 Aircraft Interior Configuration:

	Qty	Details	Manufacture	Model	Remarks
	N/A B/C	N/A	N/A	N/A	
Passenger Seating	76 Y/C	31"/32" Pitch	C&D ZODIAC	N/A	
Total Pax Seating	76 PAX				
Cabin Attendants	3		C&D ZODIAC		
Galley	3	2 Fwd	C&D ZODIAC		
		1 Aft			
Lavatories	2	1 Fwd	C&D ZODIAC		
		1 Aft			

Configuration: 76 pax



SEAT IDENTIFICATION REFERENCE TABLE						
POSITION	SEAT P/N:	SEAT DESCRIPTION	SEAT BELT P/N:		TSO PUNCH P/N:	QUANTITY
			ASLE USE	WINDY USE		
Q	4015025-101	SEAT W/O OVERLAP, LH	2017-1-01-0-017	2017-1-005-0107	4PL009-1, 5, 7	1
Q	4015025-102	SEAT W/O OVERLAP, RH	2017-1-01-0-017	2017-1-005-0103	4PL009-1, 5, 7	1
Q	4015025-111	STANDARD OVERLAP, LH	2016-1-008-0013	2016-1-008-0013	4PL009-1, 5, 7	17
Q	4015025-112	STANDARD OVERLAP, RH	2016-1-008-0013	2016-1-008-0013	4PL009-1, 5, 7	17
Q	4015025-113	LAP W/O OVERLAP, LH	2016-1-008-0013	2016-1-008-0013	4PL009-1, 5, 7	1
Q	4015025-114	LAP W/O OVERLAP, RH	2016-1-008-0013	2016-1-008-0013	4PL009-1, 5, 7	1

SEAT TRACK TABLE REFERENCE ONLY							
LHS SEAT TRACK R/W:				RHS SEAT TRACK R/W:			
LATERAL	MS	CENTRAL	CENTRAL	MS	LATERAL		
016-016-001	FD	016-008-0013-0100-001	FD	016-016-001			
016-016-001	OT	016-008-0013-0100-001	OT	016-016-001			
016-016-001	PT	016-008-0013-0100-001	PT	016-016-001			
016-016-001	OT	016-008-0013-0100-001	OT	016-016-001			

6 Avionics (all aircraft) :

FUNCTIONAL NOMENCLATURE	MANUFACTURER	P/N	QTY
CHAPTER 22			
AUTOPILOT SERVO	Honeywell	2R5310A	2
GUIDANCE PANEL - GP750	Honeywell	7028590-901	1
CHAPTER 23			
HF COMM TRANSCEIVER W/SELCA	HONEYWELL	064-01073-0102	1
HF ANTENNA COUPLER	HONEYWELL	064-01074-0101	2
VHF DIGITAL RADIO-VDR	Honeywell	7026201-801	2
VHF DIGITAL DATA RADIO	Honeywell	7026201-803	1
DIGITAL AUDIO PANEL - AV-900	Honeywell	7511900-92501	3
CHAPTER 31			
POWER MODULE	HONEYWELL	7024440-1903	7
CURSOR CONTROL DEVICE	HONEYWELL	7025050-941	2
GENERIC I/O MODULE	HONEYWELL	7025365-1901	3
CONTROL MODULE I/O	Honeywell	7026534-1902	2
PII NIC+PROC MODULE	Honeywell	7026542-1901	6
CUSTOM I/O MODULE	Honeywell	7028422-1902	2
PII AIOP MODULE	Honeywell	7028432-1901	4
MODULAR AVIONICS UNIT	Honeywell	7029782-1914	1
MODULAR AVIONICS UNIT-16SLOTS	Honeywell	7029782-1923	2
DISPLAY UNIT-HARDWARE 2	Honeywell	7037620-813	5
DVDR DIGITAL VOICE-DATA	Honeywell	980-6025-001	2
ELETRONIC CLOCK WITH ARINC	Honeywell	APE5200	1
CHAPTER 34			
SENSOR, TOTAL TEMPERATURE	ROSEMOUNT	0102AW1AF-1	2
KRA-405B RADAR ALTIMETER	Honeywell	066-01153-4001	2
INTEGRATED PITOT/STATIC/AOA	ROSEMOUNT	2015G2H2H-8A	4
GPS MODULE	Honeywell	245-604067-001	2
WU 880 RADAR	Honeywell	7021450-801	1
IDL MODULE	Honeywell	7026202-801	2
EGPWMMODULE	Honeywell	7028419-1904	1
CONTROL DISPLAY UNIT	Honeywell	7033700-930	2
MODULE ADF	Honeywell	7510114-855	1
MODULE DME DM	Honeywell	7510184-855	2
MODE S ENHANCED TRANSPONDER	Honeywell	7517400-950	2
INTEGRATED ELECTRONIC STANDBY	THALES	C16393AA02	1
INERTIAL REFERENCE UNIT	Honeywell	HG2100AB02	2
MAGNETIC COMPASS	SMITHS	PGA0105WG	1
CHAPTER 44			
CAMERA VIDEO	Hollingshead	100-2513-105-03	3
PA HANDSET/CRADLE (WHITE)	AVTECH	5583-1-2	3
PASSENGER ADDRESS AND CABIN	AVTECH	5682-1-2	1
CHAPTER 45			
DATABASE MODULE	Honeywell	7026532-1903	1
CMC MODULE	Honeywell	7026548-1902	1
DATA MANAGEMENT UNIT	Honeywell	7031051-903	1
CHAPTER 46			
UNIT, DATA PROCESSING	C&D AEROSPACE	PB5400-1-K5	1

Regulatory Compliance

Compliance EASA/EU FM Immunity (VHF,ILS,VOR)	Yes / No	Compliance FAA FM Im	Yes / No	Community	Yes
VHF 8.33 kHz spacing EU Ops 1.850,	Yes	VHF 8.33 k		Hz spacing	Yes
Auto ELT from Jan 1st 02 EU Ops	Yes	Auto ELT		/fixed ELT	Yes
CVR ref EU Ops 1.700	Yes	CVR ref FAR 121.359	Yes		
Megaphones; 1 up to 99 pax. 2 for over	Yes	Megaphones; 1 u		p to 99 pax. 2 for	Yes
Crash Axe Min 1, 2 if over 200 Pax	Yes	Crash Axe FAR 121.309	Yes		
From 27 Oct 2009, 16 G seats and HIC	Yes	16 G seats F		AR 121.311	Yes
Portable Firex. 3 up to 200 seats, 4 up	Yes	Portable Firex. 3		up to 200 seats,	Yes
Predictive Windshear Jan 3 1991 FAR	Yes	Predictive Windshear Jan 3 1991 Thermal/Acoustic Insulation	Yes Yes		
Reinforced Cockpit Door EU Ops 1.1255, JAR 26.260	Yes	Reinforced Coc 121		kpit Door FAR .313	Yes
ETOPS Compliant	NO	ETOPS C		compliant	NO
Approach Category Cargo Bays Category Class C	CAT II Yes	Approach Cargo Bays Category Class C FAR 121.314/221 Flight	YES	Category	CAT II
Flight Manual	FAA			Manual	FAA
Flight Data Recorder EU Ops 1.715.	Yes	Flight Data Reco		nder FAR 121.344	Yes
RVSM	Yes	RV		SM	Yes
EGPWS (from 1st Jan 2005)	Yes	EGPWS (from		1st Jan 2005)	Yes
ACAS II / TCAS Change 7	Yes	ACAS II / TCAS Change 7	Yes		
Enhanced Mode S (ATC mode S)	Yes	Enhanced Mode		S (ATC mode S)	Yes
Seats, Safety Belts, and Shoulder	Yes	Seats, Safety Be		Its, and Shoulder	Yes
Ensure Access to Emergency Exits EU	Yes	Ensure Access to		Emergency Exits	Yes
Flashlights Accessible from each	Yes	Emergency Briefing Cards to	Yes		
Flashlights Accessible from each	Yes	Flashlights Acce		ssible from each	Yes
Lav Fire Protection FAR 121.308	Yes	Lav Fire Protection FAR 121.308 &	Yes		
Floor Proximity Lighting EU Ops 1.815	Yes	Floor Proximit		y Lighting FAR	Yes
PBE EU Ops 1.770	Yes	PBE FAR		121.337	Yes
Dual HF (optional)	NO	Dual HF (optional)	NO
Video Surveillance System	Yes	Video		lance System	Yes