



AIRCRAFT TECHNICAL SPECIFICATION SHEET

YR-MDR (MSN: 48097)

-Specification IAW ATA 100 Chapters-

Registration:	YR-MDR	Serial Number:	48097
Date of Report:	01 December 2009	Model/Series:	MD-82

Chapter 1. GENERAL DESCRIPTION

Model Designation:	MD-82
Date of Manufacture:	10-03-1982
Engine Model:	PW JT8D-217
Noise Certification Status (EPNdb) (Stage 4)	Flyover: 89.7 Lateral: 94.4 Approach: 93.5
Cabin Crew Accommodation:	1 CAPT/1 F.O
Passenger Accommodation:	12C+135Y
Approach Category:	CAT II/III
Effectivity Number:	1059
Country of Registration:	ROMANIA
Registration Authority:	Romanian CAA
Galley Configuration	2 FWD, 4 AFT
Cargo configuration	FWD-MID-AFT
Current Operator:	Jetran Air

Chapter 3. DESIGN WEIGHTS & MAIN DIMENSION

Maximum Gross Taxi Weight:	148,000lbs (67,132 kg.)
Maximum Take-off Weight:	147,000lbs (66,678 kg.)
Maximum Landing Weight:	128,000lbs (58,060 kg.)
Maximum Zero Fuel Weight:	118,000lbs (53,524 kg.)
Operating Empty Weight:	81,415lbs
Fuel Capacity: (volume)	5,836 US Gallons (22,092 lt.)
Wing Span	107.8 ft (32.8m)
Length Overall	147.8 ft (45.05m)
Height Overall	29.6 ft (9.02m) @ top VS



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Chapter 5. MAINTENANCE SCHEDULE AND STATUS

Date	Total Hours	Total Cycles
01 December 2009	61585:26	50049

INSPECTION FREQUENCY: MS in accordance with manufacturer OAMP 761-93-MSG II

"R" Check - at 300 flight hours or 45 days, whichever comes first

"A" Check - at 450 flight hours

"C" Check - at 3500 flight hours or 18 months, whichever comes first

Maintenance Program		Last Accomplishment			Next Accomplishment			Remaining (HOURS)
		Date	Hours	Cycles	Date	Hours	Cycles	
R		31 Oct. 2009	61364	49869	N/A	61664	N/A	79
A	A4	19 Oct. 2009	61276	49789	N/A	61726	N/A	141
C Check	C3	14 Jul 2008	59537	48570	14 Jan 2010	63037	N/A	1451

Chapter 22. AUTOMATIC FLIGHT CONTROLS

Item	Manufacturer	Remarks	Part No	Qty
Logic Computer	Honeywell	DFGC	4034241-971	2
Longitudinal Computer	Honeywell	DFGC	4034241-971	2
Lateral Computer	Honeywell	DFGC	4034241-971	2
Pitch Trim Computer	Honeywell	DFGC	4034241-971	2
Pitch Compen. Computer	Honeywell	MachTrim	2587284-962	1
Yaw Stability Computer	Honeywell	Yaw Damper	2589445-933	1
Thrust Control Computer	Honeywell	Thrust Rate Comp	LG80E1	1

CHAPTER 23. COMMUNICATIONS

Item	Manufacturer	Remarks	Part No	Qty
Transceiver – VHF	HONEYWELL	8.33 KHz	064-50001-0101	3
Pax. Address Ampf.	COLLINS		622-4096-001	1
VHF Aerial	SENSOR SYSTEM		S65-8262DC10A	2
Cockpit Voice Recorder	LORAL		93A100-30/-80	1
VHF Control Panel	AVTECH	8.33KHz	7522-1-9	3
FIXED ELT	ARTEX	406 MHz	453-5000-264	1
Transceiver – HF	COLLINS		622-3371-001	1



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CHAPTER 24. ELECTRIC POWER

Item	Manufacturer	Remarks	Part No	Qty
Generator Control Unit	SUNDSTRAND		976J254-4	3
Constant Speed Drive	SUNDSTRAND		696233B	2
Battery	MARATHON		30475-002	2

Chapter 25. EQUIPMENT AND FURNISHING

Item	Manufacturer	Remarks	Part No	Qty
First Class Seats	JEPSON BURNS	DOUBLE	86783002AF1	6
Tourist Class Seats	JEPSON BURNS	TRIPLE	86783001AF1	28
Tourist Class Seats	JEPSON BURNS	DOUBLE	86782001AF1	23
Oven	MIDLAND ROSS		2510-0007-03	1
Galley G1	NORDSKOK		1-309B	1
Galley G2	DRIESSEN		101028-1	1
Galley G4	DRIESSEN		101029-1	1
Galley G4B	DRIESSEN		101030-1	1
Galley G5	DRIESSEN		101031-1	1
Galley G6	DRIESSEN		101032-1	1
AFT LH WINDSCREEN	DRIESSEN		4071001-101	1
AFT LAV LH	TBA		111000-103	1
AFT LAV RH	TBA		111000-104	1
BALLISTIC DOOR	TIMCO		01T023T507-591F	1

Chapter 27. FLIGHT CONTROLS

Item	Manufacturer	Remarks	Part No	Qty
Slat Control Unit	SUNDSTRAND	Stall warning computer	965-0449-002	2
Slat/Flap Instrumentation Unit	ELDEC	Electronic Proximity Box	8-336-09	1
Flap Instrumentation Unit		Pos. Ind. Transmitter	ST12BH	1
Ground Spoiler Control Box	HYDRO AIRE		42-091-3	1



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Chapter 28. FUEL

Item	Manufacturer	Remarks	Part No	Qty
Fuel Qty Ind. Ampf.	GULL INSTRUMENTS		367-000-001	1
Fuel Level Indicator	GULL INSTRUMENTS		372-001-001	1
APU Fuel Booster P.	LUCAS		RR559A	1

Chapter 29. HYDRAULICS

Item	Manufacturer	Remarks	Part No	Qty
Aux Pump	LUCAS WESTERN		861555	1
Power Transfer Unit	AERO HYDRAULIC		4100310-6	1

Chapter 31. INDICATION AND RECORDING SYSTEMS

Item	Manufacturer	Remarks	Part No	Qty
FDAU	AER TRANSPORT SYSTEM		4034242-996	1
DIGITAL FDR	FAIRCHILD		17M800-251	1

Chapter 32. LANDING GEAR

Item	Manufacturer	Remarks	Part No	Qty
Brakes	ABS		5004321-14	4
Wheels (Main)	ABS		5004320-4	4
Wheels (Nose)	ABS		9550267-2	2

	S/N	TSO/ CSO	OH DATE
Left Main Gear P/N 5930593-5503	XC89824	1500 1052	14 March 2009
Right Main Gear P/N 5930593-5504	XC90126	1500 1052	14 March 2009
Nose Gear Cycles P/N 5910447-5047	SR016-433	2049 1479	14 July 2008

NOTE: MRB OH LIMITS- MLG 20000cy/10Y; NLG 16500cy/8Y- whichever occurs first



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Chapter 34. NAVIGATION

Item	Manufacturer	Remarks	Part No	Qty
Receiver – ADF	COLLINS		777-1492-004/-005	1
Tx – Weather Radar	COLLINS		622-5132-108	1
Standby Compass	SFENA		C4	1
Altimeter	SPERRY		4005123-907	2
Standby Altimeter	SPERRY		WL101AMS1	1
Radio Altimeter Indic.	COLLINS		522-4825-004	2
Tx/Rx – Radio Altimeter	COLLINS		622-3890-014	2
MHRS Coupler	N/A		N/A	
INS Inertial Nav.Unit	N/A		N/A	
INS Mode Selector	N/A		N/A	
Vertical Speed Indicator	HONEYWELL		066-50002-8101	2
Horiz.Situa.Indic.	HONEYWELL		4038930-901	2
ATT/Director Indic.	HONEYWELL		4019700-903	2
Standby Horiz.Indic.	SFENA		705-15V1	1
Transponder – ATC (EHS)	BENDIX		066-01127-1402	2
Mach Airspeed Indicator	HONEYWELL		4057800-906	2
Standby Airspeed Indicator	SPERRY		WL101AMS1	1
Interrog. (Tx/Rx)– DME	COLLINS		622-2921-001	2
Rx – Marker Beacon	COLLINS		522-2996-001	1
Rx – VOR/ILS FM IMM	COLLINS		822-0760-009	2
FMS/GPS	UNIVERSAL		UNS1-L	2
TAWS CLASS A/B	UNIVERSAL		3010-00-00	1
ADC – Air Data Comp.	HONEYWELL		HG280D80	2
Accelerometer	HONEYWELL		40342238-901	2
TCAS Computer	HONEYWELL	MOPS 7	066-50000-2120	1
WINDSHEAR COMPUTER	HONEYWELL		4059845-911	1



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Chapter 49. AIRBORNE AUXILIARY POWER (APU)

Item	APU
Model	GTCP85-98DCB
Manufacturer	ALLIED SIGNAL
Part Number	3800368-1
Serial Number	P28050

Chapter 72. ENGINES

Item	ENGINE 1	ENGINE 2
Serial Number	709897	708420
Manufacturer	PWA	PWA
Model	JT8D-217	JT8D-217
Thrust Rating*	20000lbs*	20000lbs*
Install Date	08 June 2009	04 September 2009
Time Since New	35187	61408
Cycle Since New	26808	34647
T.S.L.S.V.	2331	1788
C.S.L.S.V.	1617	1275
First Limiter Disc	C1	Shaft, LPT
First Limiter Cycle	8711	4350
Last Shop Visit Center	New Jet Engine Services	IAI Bedek

(*)NOTE

A thrust setting limited to 19,250 lbs. (JT8D-209), 20,850 lbs. (JT8D-217, -217A, -217C) and 21,700 lbs. (JT8D-219) static thrust at sea level, flat rated to 84°F ambient temperature has been established as maximum takeoff thrust rating. A thrust setting limited to 18,500 lbs. (JT8D-209), 20,000 lbs. (JT8D-217) static thrust at sea level, flat rated to 77°F ambient temperature and 20,000 lbs. (JT8D-217A-217C) and 21,000 lbs. (JT8D-219) static thrust at sea level, flat rated to 84°F ambient temperature has been established as normal takeoff thrust rating for normal takeoff operation.