Motorfluggruppe v1.5 **Checklist Robin DR40** Langenthal Flight Checklist for Normal Operations Massgebend ist das AFM (Parameters, Restrictions, Emergency, etc.) **COCKPIT PREPARATION BEFORE STARTING ENGINE** 1 Aircraft + Cockpit Inspection COMPLETED 1 2 Seats ADJUSTED + LOCKED 2 ADJUSTED + FASTENED 3 Seat Belts, Shoulder Harness 3 4 Parking Brake SET 4 5 Electric Switches OFF 5 6 Aspen Switch OFF 6 7 Avionic Master Switch OFF 7 8 Battery, Alternator ON 8 9 Circuit Breakers IN 9 10 Annunciator Lights CHECKED ON 10 11 Fuel Quantity MAIN, AUXILIARY CHECKED 11 12 Fuel Selector MAIN OPEN, AUXILIARY CLOSED 12 13 Mixture RICH 13 14 Carburetor Heater OFF 14 15 Elevator Trim SET for TAKE OFF 15 16 Flaps UP 16 STARTING ENGINE 1 Fuel Pump ON, PRESSURE CHECKED 1 2 Priming AS REQUIRED 2 3 Throttle 1 CM OPEN 3 4 Propeller Area FREE 4 5 Ignition 5 **MAGNETO LEFT** 6 Starter **ENGAGED** 6 **MAGNETOS BOTH** 7 Ignition 7 8 Oil Pressure RAISED 8 9 Fuel Pump OFF, PRESSURE CHECKED AFTER ENGINE START CHECK

	AT TER ENGINE START SHESK		
1	Oil Pressure	CHECKED	1
2	Alternator Output	CHECKED	2
3	Annunciator Lights	CHECKED OFF	3

BEFORE TAXI		
1 Ventilation, Heater	AS REQUIRED	1
2 Aspen + Flarm Switches	ON	2
3 Avionic Master Switch	ON	3
4 Avionics	SET+ PRESELECTED	4
5 Flight Instruments	SET	5
6 Taxi Light	ON	6

	orfluggruppe genthal	Checklist	Robin DR40	v1.5 Jan 18	2	
	TAXI CHECK					
1	Brakes, Ste	ering	CHECKED		1	
2	Gyro Instrui	ments	CHECKED		2	
	RUN-UP					
1	Parking Bra	ake	SET		1	
2	Taxi Light		OFF		2	
3	Engine Ten	nperature	GREEN		3	
	Throttle	•	2000 RPM		4	
5	Alternator C	Dutput	CHECKED		5	
	Engine Inst		CHECKED GREEN		6	
	Annunciato		CHECKED OFF		7	
	Magnetos		CHECKED (Drop RPM < 175 / I	Diff < 50)	8 (
	Carburetor	Heater	CHECKED	,	9	
	Mixture		CHECKED		10	
_	Throttle		IDLE (600 - 700 RPM)		11	
	Throttle		1000 RPM		12	
	111101110		1000 111 111			
		RE CHECK				
		Shoulder Harness	FASTENED		1	
	Fuel Pump		ON, PRESSURE CHECKED		2	
3	Fuel Quant	ity	CHECKED		3	
4	Fuel Select	or	MAIN OPEN, AUXILIARY CLOS	SED	4	
5	Mixture		RICH / AS REQUIRED		5	
6	Carburetor	Heater	OFF		6	
7	Magnetos		ВОТН		7	
8	Avionics		SET		8	
9	Flight Instru	ıments	SET		9	
10	Elevator Tri	im	TAKE OFF		10	
11	Flaps		SET, 1st STEP		11	
	Controls		FREE and CORRECT		12	
13	Canopy		CLOSED		13	
		RE BRIEFING	-			
		nd, V _x 70 KIAS V _y 81 KIAS				
2	Routing, Alt	titude, Restrictions				
3	Emergencie	es, Best Glide 78 KIAS				
	LINE-UP					
1		Sector, Runway	CHECKED FREE		1	
2	Lights		ON		2	
3		vay Heading	CHECKED		3	
4	Transponde		SET 7000 or ACCORDING ATO	:	4	
	Tanspond	ار	SEL 7000 OF ACCOMPING ATC	,	т	

otorfluggruppe angenthal	Checklis	st Robin DR40	.5 4 8 •
TAKE OFF			
1 Brakes		RELEASED	1
2 Power		FULL POWER, RPM CHECKED	2
3 Speed		RISING	3
CLIMB CHI	ECK		
1 Flaps		UP (> 65 KIAS)	1
2 Power		CHECKED	2
3 Fuel Pump		OFF, PRESSURE CHECKED	3
CRUISE CH	HECK		
	ine Instruments	CHECKED	1
2 Cruise Pow		ACCORDING AFM	2
3 Mixture Set	ting / Fuel	CHECKED	3
DESCENT	CHECK		
1 ATIS		RECEIVED	1
	ments, Avionics	SET	2
3 Cabin		CHECKED	3
APPROAC	H BRIEFING		
1 Runway in I	Jse		
	itude, Restrictions		
	roach Procedure		
	nd, Final Approach Speed		
APPROAC	H PREPARATION		
1 Altimeters		SET	,
2 Landing Lig	ht	CHECKED, ON	2
3 Fuel Pump		ON, PRESSURE CHECKED	3
4 Fuel Quanti		MAIN / AUXILIARY CHECKED	4
Fuel Select	or	AUXILIARY CLOSED	Ę
6 Mixture		RICH	(
7 Carburetor	Heater	AS REQUIRED	7
8 Flaps	_	AS REQUIRED	8
FINAL CHE	:CK		
1 Flaps		SET	•
2 Final Appro		ESTABLISHED	2
3 Brakes (pre		CHECKED	3
4 Carburetor	Heater	OFF	
GO AROUN	1D		
		FULL POWER	,
1 Throttle		OFF	2
2 Carburetor	Heater		
	Heater	ROTATE (> 65 KIAS) UP (slowly retract)	3

1 2 3	genthal AFTER LAN Landing Ligh	DING				า DR4	. •		Jan 18	4
3								ı		
3		t, Rotating	Beacon		OFF					1
3	Fuel Pump	, ,			OFF					2
	Flaps				UP					3
	•									
	ENGINE SH	UT DOWN								
1	Electrical Co	nsumers			OFF					1
2	Avionics				121.500	CHEC	KED			2
3	Aspen Switch	h			OFF					3
4	Avionic Mast	er Switch			OFF					4
5	Mixture				CUT OF	F				5
6	Ignition				OFF					6
7	Alternator, B	attery			OFF					7
	Flaps				DOWN					8
9	Auxiliary Tan	ık			CLOSE	D				9
10	Flight time C	ounter			NOTED)				10
	SPEEDS FO		TION AT	MAXIMU		OFF N				
	Rotate / Lift 0	Off			Flaps 1		45 / 54			
	Best Angle				Flaps up			KIAS		
	Best Rate		2000 ft A		Flaps up			KIAS		
	Cruise Climb	(above	2000 ft A	GL)	Flaps up	Р		KIAS		
	Approach	_1_			Flaps 1			KIAS		
	Final Approa Go Around /	.cn Touch And	100		Flaps 2	_		KIAS		
	Best Glide	TOUCH AND	1 G 0		Flaps up			KIAS KIAS		
	Max. Demon	etrated Cr	neewind		riaps u	þ		KIAS)	
	Max. Dellion	Strated Cit	Joswiilu					. IXI		
	POWER SET	TTINGS								
	Take Off and					full	power			
	Cruise and D		to 5000	ft AMSL		2300				
	Cruise and D					2400	RPM			
	Approach De	escend				2200	RPM			
	Circuit					2000	RPM			
	LOADING H	B-KCJ								
	MTOM				1000 kg	_				
							cabin load	l remai	ning	
	Empty (includ			fuel)		g => 37				
Usable Fuel, Main 100 Liter					g => 30					
	Usable Fuel,	Auxiliary	50 Liter		36 k	g => 26	ob Kg			
	PRIMING TA	ABLE								
		_1	10 °C	0 °C	+	-10 °C	+20 °	C	+30 °	C
	Engine Cold		6-7	4-5		2	1-2		1	
	Engine Hot		1-3	1		0-1	0		0	

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Emergency Checklist Robin DR40

v1.5 Jan 18

5

Flight Checklist for Emergency

Massgebend ist das AFM

FIRE ON GROUND

1	Starter	CRANKING ENGINE (if not running)	1
2	Mixture	IDLE CUT OFF	2
3	Throttle	FULL OPEN	3
4	Fuel Pump	OFF	4
5	Fuel Selector	OFF	5
	IF FIRE DOES NOT STOP		
6	Battery / Alternator	OFF	6
7	Magnetos	OFF	7
8	Pax and Crew	EVACUATE	8

FIRE IN FLIGHT

1	Source of Fire	IDENTIFY	1	
	ELECTRICAL FIRE (Smoke in cabin)			
1	Vents	OPEN (if smoke reduced CLOSE)	1	
2	Battery / Alternator	OFF	2	
3	Cabin Heat	OFF	3	
	LAND AS SOON AS PRACTICAL			
	ENGINE FIRE			
1	Fuel Selector	OFF	1	
2	Mixture	IDLE CUT OFF	2	
3	Throttle	FULL OPEN until engine stops	3	
		then CLOSED		
4	Fuel Pump	OFF	4	
5	Alternator	OFF	5	
6	Cabin Heater and Defroster	OFF	6	
7	Elevator Trim	BEST GLIDE 78 KIAS	7	
	PREPARE FOR POWER OFF EMERGE	NCA I VNDING		
1	FREFARE FOR FOWER OFF EWIERGENCT LANDING			

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v1.5

6

ENGINE POWER LOSS IN FLIGHT

1
2
3
4
5
6
7
8
9
10
11

EMERGENCY LANDING

TRIMM FOR BEST GLIDE 78 KIAS LOCATE SUITABLE FIELD WHEN THE LANDING FIELD CAN EASILY BE REACHED

1 Seat Belts / Shoulder Harness	FASTENED	1
2 Fuel Pump	OFF	2
3 Mixture	IDLE CUT OFF	3
4 Throttle	CLOSED	4
5 Ignition	OFF	5
6 Fuel Selector	OFF	6
7 Battery / Alternator	OFF	7
8 Canopy (When Turning Final)	UNLOCK	8
9 Flaps	AS DESIRED	9

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Emergency Checklist Robin DR40

v1.5 -

ALTERNATOR FAILURE

	NO ALTERNATOR OUTPUT				
1	Alternator Switch	CHECKED ON	1		
2	Alternator Circuit Breaker	CHECKED IN	2		
	WHEN CHECKED AND STILL NOT OUT	PUT			
3	Alternator Switch	OFF	3		
4	Electrical Consumers	OFF AS PRACTICABLE	4		
5	Alternator Switch	ON (after > 10 sec)	5		
	IF STILL NO OUTPUT	·			
6	Electrical Consumers	OFF AS PRACTICABLE	6		
	LAND ON THE NEAREST AIRPORT AS PRACTICABLE				
1					

RADIO FAILURE

1 Radio	ON	1
2 Volume	TEST	2
3 Frequency	CHECKED	3
4 Headset / Mike Plugs	CHECKED	4
IF NO RADIO CONTACT		
5 Transponder	7600 (if necessary)	5
6 Procedure	ACCORDING AIP	6