

checklist

Reims Cessna 172P

OE - KAA

flugring

salzburg

Diese Checkliste dient einer sicheren Flugdurchführung
und darf daher aus dem Flugzeug nicht entfernt werden

flugring checklist		CESSNA 172 P	OE-KAA	01 page 2/18
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1. Entfernungen

1 NM / Nautical Mile (Seemeile)	=	1,853	km
1 km	=	0,539	NM / Nautical Miles / Seemeilen
1 Statute Mile (Landmeile)	=	1,609	km
1 km	=	0,62	Statute Miles / Landmeilen
1 kt / Nautical Mile per Hour	=	1,853	km/h
1 km/h	=	0,539	kts / Nautical Miles per Hour
1 MPH / Statute Miles per Hour	=	1,609	km/h
1 km/h	=	0,62	MPH / Statute Miles per Hour
1 MPH	=	0,868	kts
1 ft (1')	=	0,304	m
1 inch (1")	=	2,54	cm
		1 m	= 3,28 ft
		1 cm	= 0,393 inch

2. Gewichte und Raummaße

1 lb (pound)	=	0,453	kg	1 kg	=	2,205	lbs
1 GAL (US)	=	3,785	Liter	1 Liter	=	0,264	GAL (US)
1 qt Öl	=	0,946	Liter ≈ ¼ GAL				
1 l Öl	=	2	lbs	1 qt Öl	=	0,85	kg Öl
1 Liter AVGAS	=	1,584	lbs AVGAS	1 lb AVGAS	=	0,63	Liter AVGAS
1 Liter AVGAS	=	0,72	kg AVGAS				
1 US GAL AVGAS = 6 lbs AVGAS							

3. Steigraten

1 m/sec = 196,8 fpm (feet per minute)	1000 fpm = 5,08 m/sec
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4. Temperaturen

T °Celsius = (5/9 mal T °Fahrenheit) - 32	T °Fahrenheit = (9/5 mal T °Celsius) + 32
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5. Näherungsformeln

(NM (kts) x 2) minus 10 % ~ km (km/h)	(km (km/h) : 2) + 10 % ~ NM (kts)
(Meter x 3) + 10 % ~ ft	(ft : 10) x 3 ~ m
fpm : 200 ~ m/sec	(kg x 2) + 10% ~ lbs
Temperaturabnahme mit der Höhe	2° je 1000 ft
Fahrtmesser Höhenkorrektur	+ 2% je 1000 ft Druckhöhe

6. Zurückgelegte Wege

60 t = 1 NM/Minute	120 kt = 2 NM/Minute	180 kt = 3 NM/Minute
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1. Benutzung der Checkliste

- Die Benutzung der Checkliste enthebt nicht von der Pflicht zur Kenntnis des POH.
- Folgende Regeln gelten nur insoweit, als nicht Sicherheit, Anordnungen der Flugsicherung oder Notverfahren entgegenstehen.

2. Lärmschutz / Umweltschutz

- Auf das Verbot von Tiefflügen wird verwiesen.
- Die Mindestflughöhen sind, wann immer möglich, zu überschreiten.

3. Schonung des Motors und Verlängerung der Lebensdauer

- Leistungseinstellung nach Betriebshandbuch oder Checkliste.
- Im Reiseflug nicht über 75 % Leistung fliegen, im Regelfall sollte mit einer Leistung von 65 % das Auslangen gefunden werden.
- **Exakt Leanen.** Bei max. 75 % Leistung auf Höchstdrehzahl einstellen und Öltemperatur beobachten. Erst ab 4000ft leanen!
- Keine abrupten Lastwechsel.
- Kein Sinkflug mit Motorleerlauf.
- Im Sinkflug Gemisch nur SEHR langsam anreichern um Unterkühlung zu vermeiden.

4. Landing Light einschalten

- Hinausrollen auf die Startbahn bis zum Erreichen der Sicherheitshöhe.
- Landeanflug bis zum Verlassen der Piste.

5. Taxi Light einschalten

- Rollen und Run up am Tag und bei Nacht.

6. Beacon Light bei Start, Rollen und Flug

Strobe Light nur bei Nacht / schlechter Sicht bei Rollen auf Piste und T/O

7. Treibstoffverbrauch

Die Verbrauchsangaben des Betriebshandbuches sind Idealwerte und für eine Flugvorbereitung zu niedrig.

Es wird empfohlen die Erfahrungswerte auf dem Blatt "PERFORMANCE" als realistischen Anhaltspunkt zu verwenden.

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1. SPEEDS

- Never exceed speed	V_{NE}	158	KIAS
- Maximum structural cruising speed	V_{NO}	127	KIAS
- Maneuvering speed (1089 kg)	V_A	99	KIAS
- Maneuvering speed (907 kg)	V_A	92	KIAS
- Maneuvering speed (726 kg)	V_A	82	KIAS
- Maximum flaps extension speed 10°	V_{FE}	110	KIAS
- Maximum flaps extension speed 10°-full position	V_{FE}	85	KIAS
- Rotating speed	V_R	55	KIAS
- Take off safety speed / Anfangssteigflug	V_2	70	KIAS
- Best rate of climb / flaps up / best glide	V_Y	70	KIAS
- Best angle of climb speed / flaps up	V_X	60	KIAS
- Approach speed / flaps up		70	KIAS
- Final approach speed / flaps full		65	KIAS

2. ENGINE NORMAL OPERATION

- Do not open or close throttle rapidly.
- Avoid engine undercooling during descent.

3. WEIGHTS

- Empty Weight 701 kg = 1546 lbs
- Maximum take off weight (MTOW) and maximum landing (MLW) 1089 kg = 2400 lbs
- Maximum in baggage compartment 54 kg = 119 lbs

4. FUEL (Long Range Tanks)

- Total fuel 204 l = 54 GAL = 324 lbs
- Usable fuel both tanks 189 l = 50 GAL = 300 lbs

Do not operate with fuel imbalance of more than $\frac{1}{4}$ tank indication difference.

5. OIL CAPACITIES

- Oil capacity up to 3 hours 6 qts
- Oil capacity more than 3 hours 7 qts
- **MINIMUM** **5 qts** **DO NOT START ENGINE!**

6. VOLTAGE

- Alternator 28 volts DC
- Battery 24 volts DC

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7. Power setting

Auszüge aus dem Betriebshandbuch zur schnellen Information
 Die Werte beziehen sich auf "STANDARD TEMPERATURE".
 Korrekturen bei Temperaturabweichungen, siehe Betriebshandbuch.

Altitude	RPM	% BHP	TAS kts	Gal/h	l/h
2000	2400	69	109	7,7	29,1
	2300	62	103	6,9	26,1
4000	2400	65	108	7,3	27,6
	2300	59	102	6,6	25,0
6000	2400	63	107	7,0	26,5
	2300	57	101	6,4	24,2
8000	2500	66	112	7,4	28,0
	2400	60	106	6,7	25,4
	2300	55	100	6,2	23,5
10000	2500	64	111	7,1	26,9
	2400	58	105	6,5	24,6
12000	2500	61	109	6,8	25,7
	2400	56	103	6,3	23,8

Die Verbrauchswerte des Betriebshandbuches gelten nur für gleichmäßigen Horizontalflug und bei optimaler Gemischeinstellung.

Nach der Clubstatistik ist ein Durchschnittsverbrauch von
30 l/h = 47,6 PPH = 7,9 GPH realistisch

Altitude	= Pressure Altitude	KTAS	= Knoten True Airspeed
RPM	= Drehzahl	Gal/h	= Verbrauch in Gallonen je Stunde
% BHP	= Prozent Leistung	EGT max	= maximale Abgastemperatur

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flugring	revision 2020	EXTERIOR CHECKS		

1. BLOCK OFF POSITION

- 01 **Tow bar/Chocks** _____ **remove / store** _____ 01
02 Pitot cover _____ **remove / store** _____ 02
03 Fuel drains left/right wing _____ **drain / first flight of day / check closed** _____ 04
04 Fuel strainer drain knob _____ **pull / first flight of day / check closed** _____ 05

2. CABIN

- 01_ Control lock _____ **remove / store** _____ 01
02_ **Magnetos** _____ **check OFF** _____ 02
03_ **Mixture** _____ **check idle cut off** _____ 03
04_ Electrical equipment _____ **OFF** _____ 04
05_ Avionics master _____ **OFF** _____ 05
06_ Battery switch _____ **ON** _____ 06
07_ Fuel quantity _____ **check** _____ 07
08_ Exterior lights _____ **check function / Battery !!!** _____ 08
09_ Pitot heat _____ **check function / Battery !!!** _____ 09
10_ Flaps _____ **DOWN 10°** _____ 10
11_ Battery switch _____ **OFF** _____ 11
12_ Fire extinguisher _____ **check pressure** _____ 12
13_ First aid _____ **available in baggage compartment** _____ 13

3. LEFT WING

- 01_ Wing flap / Aileron _____ **check for security / free movement** _____ 01
02_ Wing tip / Light _____ **undamaged** _____ 02
03_ Landing / Taxi light _____ **Check for condition and cleanliness** _____ 03
04_ Fuel quantity _____ **check visually/ Dip Stick** _____ 04
05_ Fuel filler cap _____ **check closed** _____ 05
06_ Fuel tank vent _____ **check for stoppage** _____ 06
07_ Pitot tube _____ **check opening for stoppage** _____ 07
08_ Stall warning _____ **check opening for stoppage** _____ 08
09_ Tire _____ **check for pressure, profile and markings** _____ 09
10_ Brake _____ **check visually (oil leakage)** _____ 10
11_ Wheel fairing _____ **Check undamaged** _____ 11

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4. FORWARD FUSELAGE / NOSE

01	___ Static source _____	check for stoppage _____	01
02	___ Windshield _____	undamaged and clean _____	02
03	___ Engine cowling _____	check for condition and security _____	03
04	___ Propeller / Spinner _____	check for nicks and security _____	04
05	___ Air intakes _____	check for restrictions _____	05
06	___ Carburetor air filter _____	check for condition _____	06
07	___ Exhaust pipe _____	check for condition _____	07
08	___ Nose wheel tire _____	check for pressure, profile and markings _____	08
09	___ Nose wheel fairing _____	check undamaged _____	09
10	___ Nose wheel strut _____	check for proper inflation _____	10
11	___ Oil capacity _____	check / rec 6 qts / min 5 qts / max 7 qts _____	11
12	___ Engine compartment _____	check visually _____	12
13	___ Oil inspection / refilling door _____	check locked _____	13

5. RIGHT WING

01	___ Fuel quantity _____	check visually /DIP STICK _____	01
02	___ Fuel filler cap _____	secure and vent unobstructed _____	02
03	___ Tire _____	check for pressure, profile and markings _____	03
04	___ Brake _____	check visually (oil leakage) _____	04
05	___ Wheel fairing _____	check undamaged _____	05
06	___ Wing tip / Lights _____	undamaged _____	06
07	___ Aileron / Wing flap _____	check for security / free movement _____	07

6. TAIL UNIT

01	___ Visual inspection _____	no damage _____	01
02	___ Lights _____	check for condition and cleanliness _____	02
03	___ Antennas _____	undamaged and fixed _____	03
04	___ Elevator / Rudder _____	check for security / free movement _____	04
05	___ Trim Tab _____	check for security _____	05

7. PASSENGERS

01	___ Passport _____	check available _____	01
02	___ Briefing _____	flight information given _____	02
03	___ Boarding assistance _____	fasten seat belts, sic sacs _____	03

EXTERIOR CHECK COMPLETED
NORMAL FLIGHT CHECKLIST NEXT

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1. BEFORE ENGINE START

01	Doors / Windows	closed / locked	01
02	Seat belts / Seats	adjusted / locked / look for passengers	02
03	Parking brake	set or manually	03
04	Alternate static source valve	check closed	04
05	Pitch trim	set for Take off	05
06	Electrical equipment	OFF	06
07	Avionics master / Intercom	OFF	07
08	Battery switch	ON	08
09	Circuit breakers	check IN	09
10	Fuel selector	BOTH	10

READY FOR ENGINE START

2. ENGINE START

01	Mixture	full rich	01
02	Carburetor heat	OFF / cold	02
03	Fuel primer - COLD ENGINE	cycle two/six times (hot/cold weather)	03
04	Fuel primer - HOT ENGINE	NONE	04
05	Fuel primer	lock / check locked	05
06	Rotating beacon	ON	06
07	Prop area	check CLEAR	07
08	Power Lever	open ½ cm	08
09	STARTER	engage	09
10	Oil pressure	check green sector	10

3. AFTER ENGINE START

01	Power	1000 (warm) 1200 (cold weather)	01
02	Low voltage warning light	check RED	02
03	Alternator	ON	03
04	Low voltage warning light	check OFF	04
05	Ammeter	check charging	05
06	Suction	check within green arc	06
07	Wing flaps	check and set for Take off (0° – 10°)	07
08	Avionics master	ON	08
09	Avionics / Radios	set for departure	09
10	Transponder	standby / set squawk	10
10	Directional gyro	set	10

READY FOR TAXI

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4. TAXI

01 Taxi light -----	ON	01
02 Parking brake -----	release	02

Power for taxiing maximum 1000 RPM / Don't brake continuously

03	..... Brakes -----	test	03
04	..... Nose wheel steering -----	check	04
05	..... Flight instruments -----	SPEED zero	05

HORIZON erected
ALTIMETERS 1 & 2 airport altitude
TURN COORDINATOR moving / ball free
D-GYRO correct
RATE OF CLIMB zero

TAXI CHECK COMPLETED

BEFORE DEPARTURE / RUN UP NEXT

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5. BEFORE DEPARTURE / RUN UP

01.....	Parking brake -----	set	01
02	Mixture -----	full forward	02
03	Oil pressure -----	check in green sector	03
04	Oil temperature -----	check in green sector	04
05	Doors / Window -----	secured	05
06	Power -----	advance to 1700 RPM	06
07	Magnetos -----	check	07
		max drop 125 RPM, max difference 50 RPM	
08	Carburetor heat -----	check	09
09	Suction -----	check (4,5 – 5,4 in Hg)	10
10	Power -----	reduce to 800 - 1000 RPM	11
11	Quadrant friction -----	adjusted	12
12	Wing flaps -----	set 0°-10°	13
13	Pitch trim -----	set for Take off	14
14	Flight controls -----	free and correct	15
15	Avionics / Radios -----	recheck setting for departure	16
16	Transponder -----	check squawk/set to ALT.....	17

6. TAKE OFF BRIEFING

01	Maximum TO power -----	2400 RPM	01
02	$V_1 = V_{ROT}$ -----	55 KIAS	02
03	Initial Climb -----	70 KIAS	03
04	Cruise Climb -----	80 MPH / flaps up	04
05	Runway -----	check	05
06	Departure Route -----	check.....	06
07	In case of engine failure -----	check procedures	07

READY FOR TAKE OFF

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7. CRUISE CLIMB / when reaching safe altitude at 400 ft ground

01	Cruise climb speed -----	80 KIAS / reduce power	01
02	Wing flaps -----	UP	02
03.....	Taxi / Landing light/ Strobe -----	OFF	03
04	Pitch trim -----	correct	04

CLIMB CHECK COMPLETED

8. CRUISE

01	Power setting -----	max. 65% / see checklist "performance" ...	01
02	Pitch trim -----	adjust	02
03	Mixture rec only above 4000 ft --	lean for maximum RPM	03
04	Fuel selector -----	BOTH	04
05	Fuel quantity -----	check periodically	05
06	Carburetor heat -----	apply periodically if necessary	06

CRUISE CHECK COMPLETED

DESCEND CHECK NEXT

9. DESCENT

01	Power/RPM.....	descend with power to avoid undercooling...	01
02	Carburetor heat -----	ON if required	02
03	Mixture -----	enrich slowly	03

DESCEND CHECK COMPLETED

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10. APPROACH BRIEFING

01 Approach Routing -----	check	01
02 Landing Runway -----	check	02
03	..... Approach speeds -----	100 KIAS / Flaps 10°	03
		75 KIAS / Flaps 20°	
		65 KIAS / Flaps 30°	

11. APPROACH

01	..... Fuel selector -----	both	03
02	..... Mixture -----	full rich	04
03	..... Carburetor heat -----	ON / warm if required	05
04	..... Power -----	reduce / 90 KIAS	06
05	..... Landing / Taxi light -----	ON	07
06	..... Flaps 10° below 110 KIAS -----	Approach speed 80 KIAS	08
07	..... Flaps 20° -----	Approach speed 70 KIAS	09
		Final 65 KIAS	
		Short Field 60 KIAS	
08	..... Trim.....	Correct	10

APPROACH CHECK COMPLETED

12. AFTER LANDING

Brake only if necessary / Apply brakes smoothly

01 Carburetor Heat -----	off/cold	01
----	-----------------------------	----------------	----

13. AFTER RUNWAY VACATED

01	..... Pitot heat -----	OFF	01
02	..... Wing flaps -----	UP	02
03	..... Landing light / Strobe -----	OFF	03
04 Taxi Light ON -----	Strobe Light OFF	04
05 Transponder -----	GND/STBY	05
06 Pitch trim -----	set for Take off	06

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14. ENGINE CUT OFF

01	Power -----	1000 RPM.....	01
02	Parking brake -----	set/or manually.....	02
03	Landing / Taxi light -----	OFF	03
04	NAV lights -----	OFF	04
05	Pitot heat -----	recheck OFF	05
06	Avionics master -----	OFF	06
07	Mixture -----	idlecut off	07
08	Magnetos -----	OFF / REMOVE KEY	08
09	Rotating beacon -----	OFF	09
10	All internal lights -----	OFF	10
11	Battery -----	OFF	11
12	Alternator -----	OFF	12

15. SECURING AIRPLANE

01	Control lock -----	install	01
02	Windows/ Vents -----	check closed	02
03	Seat belts -----	arranged	03
04	CABIN CLEARING UP -----	done	04
05	Checklist -----	store on copilots seat	05
06	Sun protection -----	apply	06
07	Pitot cover -----	adjust	07
08	Wheel chocks -----	apply	08
09	Tow Bar -----	remove	09

Die Benutzung dieser "flugring checklist" enthebt den Piloten nicht von der Pflicht zur Kenntnis des Betriebshandbuches.

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1. COLD WEATHER OPERATION

Allgemeine Hinweise

Bei Temperaturen unter 0°C sollte der Motor grundsätzlich nur nach Vorwärmung gestartet werden.

Anlassen mit Vorwärmung

- Warmluft auf Ölwanne und Zylinder richten / **mindestens 30 Minuten**
 - Nach Ende der Vorwärmung Anlassvorgang wie nachstehend beschrieben
- | | |
|------------------------|--|
| Zündung _____ | AUS |
| Gashebel ----- | geschlossen |
| Gemischhebel ----- | voll arm |
| Propeller ----- | 5 mal von Hand in Laufrichtung durchdrehen |
| Primer ----- | 4 – 6 mal / verriegeln |
| Propellerbereich ----- | frei |
| BAT _____ | EIN |
| Gashebel _____ | ½ cm offen |
| Gemisch _____ | voll reich |
| Starter _____ | betätigen |
| Öldruck _____ | prüfen |

Anlassen ohne Vorwärmung

- | | |
|------------------------|--|
| Zündung _____ | AUS |
| Gashebel ----- | geschlossen |
| Gemischhebel ----- | voll arm |
| Propeller ----- | 5 bis 10mal von Hand in Laufrichtung durchdrehen |
| Primer ----- | 5 – 7 mal / verriegeln |
| Propellerbereich ----- | frei |
| BAT _____ | EIN |
| Gashebel _____ | ½ cm offen |
| Gemisch _____ | voll reich |
| Starter _____ | betätigen |
- Gashebel ----- zweimal **langsam** voll nach vorne
dann zurück auf Stellung ½ cm
- Wenn Triebwerk anspringt ----- Primer betätigen (**anschließend verriegeln!**)
- Vergaservorwärmung ----- EIN / bis Triebwerk gleichmäßig läuft
- Öldruck _____ prüfen
- Startbereit ----- wenn Triebwerk Gas gleichmäßig annimmt und
Öldruck normal ist und konstant bleibt.

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2. SHORT FIELD TAKE OFF

01	Wing flaps -----	set 10°	01
02	Carburetor heat -----	OFF / cold	02
03	.....	Brakes -----	apply	03
04	.....	Power -----	Full forward	04
05	.....	Mixture -----	Full rich / above 3000 ft field elevation lean ... for max. RPM	05
06	.....	Brakes -----	release	06
07	.....	Speed -----	rising	07
08	.....	Lift nose wheel -----	50 KIAS	08
09	.....	Positive rate of climb -----	check	09
10	Initial Climb Speed -----	60 KIAS / until clear of obstacles	10

DO NOT REDUCE POWER UNTIL WINGFLAPS HAVE BEEN RETRACTED

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ENGINE FAILURE DURING T/O RUN

THROTTLE IDLE
 BRAKES APPLY
 FLAPS RETRACT
 MIXTURE IDLE / CUT OFF
 IGNITION OFF
 MASTER SWITCH OFF

ENGINE FAILURE AFTER T/O

AIRSPEED 60 KIAS
 MIXTURE IDLE / CUT OFF
 FUEL SHUTOFF VALVE OFF
 IGNITION OFF
 FLAPS AS REQUIRED
 MASTER SWITCH OFF

ENGINE FAILURE DURING FLIGHT

AIRSPEED 65 KIAS
 CARBURETOR HEAT ON
 PRIMER IN and LOCKED
 FUEL SHUTOFF VALVE ON
 MIXTURE RICH
 IGNITION BOTH ... TRY TO RESTART WITH STARTER

FORCED LANDING

AIRSPEED 65 KIAS (FLAPS UP) / 60 KIAS (FLAPS DOWN)
 MIXTURE IDLE / CUT OFF
 FUEL shut off VALVE OFF
 IGNITION OFF
 FLAPS AS REQUIRED
 MASTER SWITCH OFF
 DOORS UNLATCH – *prior touchdown*

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PRECAUTIONARY LANDING

AIRSPEED 60KIAS
 FLAPS 20°
 Selected FIELD FLY OVER
 ELECTRIC SWITCHES ... OFF
 FLAPS AS REQ.
 MASTER OFF
 DOORS UNLATCH
 IGNITION SWITCH OFF ... *prior touchdown*

ENGINE FIRE IN FLIGHT

MIXTURE IDLE / CUT OFF
 FUEL SHUTOFF VALVE .. OFF
 MASTER SWITCH OFF
 CABIN AIR/HEAT/VENTS .. OFF
 AIRSPEED 90 KIAS
 FORCED LANDING EXECUTE

ELECTRICAL FIRE IN FLIGHT

MASTER SWITCH OFF
 ALL SWITCHES OFF
 VENTS/CABIN AIR/HEAT ... OFF
 FIRE EXT. ACTIVATE

If Fire is out:

MASTER SWITCH ON
 CIRCUIT BREAKERS CHECK
 DO NOT RESET !
 REQUIRED SWITCHES RESET
 VENTS/CABIN AIR/HEAT OPEN
 When fire is compl. extinguished

DITCHING

OBJECTSOBJECTS/JETTISON
 FLAPS 30°
 DESCEND ... 300ft/min at 55 KIAS
 DOORS UNLATCH
 TOUCHDOWN ... LVL / ATTITUDE
 FACE CUSHION

CABIN FIRE

MASTER SWITCH OFF
 VENTS/CABIN AIR/HEAT OFF
 FIRE EXT. ACTIVATE

WING FIRE

NAV/STROBE LIGHTS OFF
 PITOT HEAT OFF
 SIDE SLIP AS REQ.
 to keep flames from tank/cabin
 LAND ASAP Flaps retracted

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ROUGH ENGINE

CARBURETOR ICE

Throttle FULL
 Carburetor Heat ON/WARM
 MIXTURE LEAN AS REQ.

MAGNETO MALFUNCTION

Magnetos L or R
to identify faulty magneto
 Mixture/Throttle ADJUST
for smooth operation
 If problem still persists:
 Magneto GOOD MAGNETO
 Land NEXT AIRFIELD

LOW VOLTAGE LIGHT IN FLIGHT

Radio/Avionik/Lights OFF
 Master Switch (both) OFF
 Master Switch ON
 Low Volt Light Check ON
 Avionics ON
If low volt light illuminates again:
 Alternator OFF
 Noness. Elect. Equipment OFF
 Inform ATC
 Land at next Airfield

ICING

Pitot Heat/Cabin Heat ON – SEARCH FOR HIGHER TEMPERATURE !
 RPM INCREASE
 Carburetor Heat ON/as req. – LEAN max. RPM
 CAUTION..... HIGHER STALL SPEED
 Flaps UP for landing
 Approach Speed INCREASE
 Touchdown LVL ATTITUDE

SPARK PLUG FOULING

Magnetos L or R
to identify faulty magneto
 Mixture LEAN
 Magnetos BOTH
 Mixture AS REQ.

LOW OIL PRESSURE

Oil temperature CHECK
if normal continue with POH
 if oil temp. high:
 Throttle REDUCE
 PREPARE FOR ENGINE FAILURE
 AND FORCED LANDING

EXCESSIVE RATE OF CHARGE

Alternator OFF
 Noness. Elect. Equipment OFF
 Inform ATC
 Land at next Airfield

LANDING WITH FLAT MAIN TYRE

Flaps..... AS REQ.
 Approach..... AS USUAL
 Touch down GOOD TIRE first