

COCKPIT CHECKLIST	
Keys	AVAILABLE
Pitot Cover	REMOVED
Control Lock	REMOVED
Towing Bar	STOWED
Preflight Inspection	COMPLETED (acc. POH)
Passenger Briefing	COMPLETED
Papers	ON BOARD
Seats	LOCKED
Seat Belts	FASTENED
Parking Brake	SET
Circuit Breakers	CHECKED, ALL IN
Cabin Door	CLOSED/LATCHED

IFR START-UP CLEARANCE	
Check ATIS / WX	
Request Start-Up	

BEFORE START-UP	
Avionic Master	OFF
Battery + Alt Master	ON
Beacon	ON
Autopilot	OFF
Fuel Quantity	CHECKED
Fuel Selector	BOTH

Engine Startup	
Throttle	PUSH IN (OPEN) 3 mm
Mixture	RICH
Engine Cold ?	Only in this case
Prime	2 to 6 STROKES
Propeller AREA	CLEAR
IGNITION	START
Pump Throttle rapidly	TWO STROKES
Return Throttle	PUSH IN (OPEN) 3 mm
When Engine starts	THROTTLE 1000 RPM
Oil Pressure	CHECKED

If Engine is flooded	
Mixture	IDLE / CUTOFF
Throttle	1/2 - Full
CRANK ENGINE	
When Engine starts	
MIXTURE	FULL RICH
THROTTLE	THROTTLE 1000 RPM

Full Startup Procedure - see POH !

Normal Procedures Section 4 - Page 4-3ff
Emergency Procedures Section 3 - Page 3-3ff

AFTER START-UP	
NAVLIGHT	AS REQUIRED
STROBES	AS REQUIRED
Avionic Master	ON
Transponder	STANDBY
Altimeter	SET
Gyro	SET
Mixture	AS REQUIRED

TAXI	
Brakes	CHECKED
Flight Controls	FREE and CORRECT
Flaps	DOWN and UP
Flight Instruments	CHECKED

RUN UP	
Parking Brake	SET
Magnetos Check	TROTTLER 1.700 RPM --> RPM DROP < 125 --> RPM DIFF. < 50
Carburetor Heat	--> FOR RPM DROP
Eng. Instruments	CHECKED
Suction	CHECKED
Amperemeter	CHECKED
Annunciator Panel	CHECKED
Throttle	IDLE then 1000 RPM

BEFORE TAKEOFF	
Engine Run up	COMPLETED
Primer	IN and LOCKED
Trottle	FRICTION LOCK ADJUST
Mixture	AS REQUIRED
DEP/EMER-Brief.	COMPLETED
Flight Controls	CHECKED
Trim	SET FOR T/O
Flaps	0 - 10°
ATC-Clearance	RECEIVED
COM/NAV	SET FOR DEP

CLEARED FOR TAKEOFF	
Landing Light	ON
Transponder	Mode ALT
Pitot Heat	ON for IFR-Flights
Gyro	CHECKED

AFTER TAKE OFF	
Flaps	UP
Landing Light	OFF
Cruise Climb	75 - 85 kt

CRUISE	
Throttle	2100 - 2700 RPM
Trim	ADJUST
Mixture	LEAN TO MAX RPM THEN

APPROACH	
SEATS	UPRIGHT
Seat Belts	FASTENED
ATIS / WX	COPIED
Altimeter	SET QNH
Gyro	CHECKED
Fuel Selector	BOTH
Mixture	AS REQUIRED
COM / NAV	SET FOR APPR.

FINAL CHECKLIST	
Landing Light	ON
Mixture	RICH
Carburetor Heat	ON
Flaps	SET
Approach Speed	65 - 75 kt

AFTER LANDING	
Flaps	UP
Transponder	STAND BY
Landing Light	OFF
Pitot Heat	OFF

PARKING	
Avionic Master	OFF
Mixture	IDLE CUT OFF
Strobes	OFF
Nav Lights	OFF
Beacon	STAYS ON
Magnetos / Keys	OFF & OUT
Battery + Alt Master	OFF
Fuel Selector	LEFT or RIGHT
Throttle	IDLE

HANGARING	
Aircraft & Cabin	CLEANED
Pitot Cover	INSTALLED
Control Lock	INSTALLED
Malfunctions	REPORTED
Documents	COMPLETED
Reservations	TERMINATED

Typical Airspeeds (KIAS)	
VR Rotation Speed	52 kt
VA Maneuvering Speed Normal Operation	
At 1089 kg	99 kt
At 907 kg	92 kt
At 726 kg	82 kt
VGL Best Glide	68 kt
VX Best Angle of Climb	60 kt
VY Best Rate of Climb	76 kt
VNE Never Exceed	158 kt
VNO Max Struct Cruise	127 kt
Vs Stall Speed	44 kt
Vso Landing Conf	48 kt
VFE Flaps 10°	110 kt
VFE Flaps 10-30°	85 kt
Max Xwind Componen	15 kt

STOL OPERATION Cessna 172P-STOL D-EKRM

CONDITION	STALL SPEEDS, ZERO THRUST ANGLE OF BANK			
	0°	20°	40°	60°
1043 Kg	47	49	54	67
(CROSS WEIGHT)	40	41	45	59
SPEEDS ARE KTAS	FLAPS 40	36	37	41
		52		

ROBERTSON "STOLL" LANDING

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|----------------------------|--------------------------|
| 1. Wing Flaps | Flaps at 40° |
| 2. Final Approach Airspeed | 48 kt (KTAS) |
| 3. Speed at 50 ft Obstacle | 44 kt (KTAS) |
| 4. Touch Down Speed | 36 kt (KTAS) |
| 5. Flare to Touch Down | Elevator and Power set |
| 6. Touch Down | Main Wheels first |
| 7. Wing Flaps | Retract after touch down |
| 8. Landing Roll | APPLY HEAVY BRAKING |

Full Descriptions of Robertson R/STOL-Equipment and Procedure - see POH SECTION 10