

LSVR-Checklist Piper PA-28-181 Archer III D-EXHV

V1

COCKPIT CHECKLIST	
Keys	AVAILABLE
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

START-UP CLEARANCE

Check ATIS / WX
Request Start-Up

BEFORE START-UP

Avionic Master	OFF
Battery + Alt Master	ON
MAG 1 + 2	ON
Strobes	ON
Autopilot	OFF
Fuel Quantity	CHECKED
Fuel Selector	FULLEST TANK

Engine Startup

Engine COLD ?	Only in this case
Prime	ENGINE NOT START!
Throttle	PUSH IN (OPEN) 6 mm
Fuel Pump	ON
Mixture	RICH
Propeller AREA	CLEAR
IGNITION	START
Pump Trottle rapidly	TWO STROKES
Return Throttle	PUSH IN (OPEN) 6 mm
When Engine starts	THROTTLE 1000 RPM
Fuel Pump	OFF
Oil Pressure	CHECKED

Engine WARM ?	Only in this case
Throttle	PUSH IN (OPEN) 13 mm
Fuel Pump	ON
Mixture	RICH
Propeller AREA	CLEAR
IGNITION	START
Pump Trottle rapidly	TWO STROKES
Return Throttle	PUSH IN (OPEN) 13 mm
When Engine starts	THROTTLE 1000 RPM
Fuel Pump	OFF
Oil Pressure	CHECKED

If Engine is flooded

Throttle	FULL
Fuel Pump	OFF
Mixture	IDLE / CUTOFF
CRANK ENGINE	When Engine starts:
MIXTURE	FULL RICH
THROTTLE	THROTTLE 1000 RPM

Full Startup Procedure - see POH !

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 2000 RPM --> RPM DROP < 175
	--> RPM DIFF. < 50
Carburetor Heat	--> RPM DROP < 75
Eng. Instruments	CHECKED
Suction	CHECKED
Amperemeter	CHECKED
Annunciator Panel	CHECKED
Throttle	IDLE then 1000 RPM

BEFORE TAKEOFF

Engine Run up	COMPLETED
Fuel Pump	ON
Mixture	RICH
DEP/EMER-Brief.	COMPLETED
Flight Controls	CHECKED
Trim	SET FOR T/O
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	87 kt

CRUISE

Throttle	2200 - 2500 RPM
Fuel Pump	OFF
Trim	ADJUST
Mixture	LEAN TO MAX RPM
(Smooth operation)	THEN MINUS 50° F

Emergency Procedures POH Section 3

Normal Procedures POH Section 4

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APPROACH	
SEATS	UPRIGHT
Seat Belts	FASTENED
ATIS / WX	COPIED
Altimeter	SET QNH
Gyro	CHECKED
Fuel Pump	ON (Temperature < 13° C)
Fuel Selector	FULLEST TANK
Mixture	RICH
COM / NAV	SET FOR APPR.

FINAL CHECKLIST

Landing Light	ON
Mixture	RICH
Carburetor Heat	ON
Flaps	SET
Approach Speed	75 kt
Final Speed	66 kt (Full Flaps)

AFTER LANDING

Flaps	UP
Transponder	STAND BY
Landing Light	OFF
Pitot Heat	OFF

PARKING

Avionic Master	OFF
Mixture	IDLE CUT OFF
Nav Lights	OFF
Strobes	STAYS ON
MAG 1 + 2	OFF
Magnetos / Keys	OFF & OUT
Battery + Alt Master	OFF
Fuel Selector	LEFT or RIGHT
Throttle	IDLE

HANGARING	
Aircraft & Cabin	CLEANED
Malfunctions	REPORTED
Documents	COMPLETED
Reservations	TERMINATED

Typical Airspeeds (KIAS)

VR Rotation Speed	55 kt
VA Maneuvering Speed Normal Operation	
At 1157 kg	113 kt
VGL Best Glide	76 kt
VX Best Angle of Climb	64 kt
VY Best Rate of Climb	76 kt
VNE Never Exceed	154 kt
VNO Max Struct Cruise	125 kt
Vs Stall Speed	50 kt
Vso Landing Conf	45 kt
VFE Flaps 10°	102 kt
VFE Flaps 10-40°	102 kt
Max Xwind Component Start ;	17 kt
Max Xwind Component Landung ;	17 kt

