

D-EDHH Piper Cherokee PA 28R-200 Checklist					
Pre-Engine Start		Before Taxi		Engine instr.	check
Preflight check	completed	Fuel pump	off, chk press.	Speed	check 40 kts
Aircraft doc.	onboard	Amperemeter	check	Rotate	60-70 kts
Seats, belts	adjusted	Nav-lights/strobes	as required	Brakes	tap lightly
Alternate air	closed	Avionics/radios	on & set	when climb rate positiv	
Circuit breakers	check	Transponder	7000, stdby	Gear	up, 3 greens
Parking brakes	test & set	ATIS	copy	After Takeoff / Climb	
Flaps	up	Altimeter	set & check	Flaps	Up
Fuel selector	fullest tank	Hdg indicator	set	Fuel pump	off - chk pres.
Fuel pump	off	Parking brake	release	Landing lights	off
Autopilot	off	Ground control	clearance	Throttle/Prop	25"/2500 RPM
Electr. Trim	off			Mixture	as necessary
Emerg. gear lever	check	Taxi		Cruise	
Master switch	on	Brakes	check R & L	Throttle/Prop	as required
Landing gear sel.	down, 3 green	Turn coordinator	check in turn	Mixture	leaned as req
Anti-coll. lights	on	Directional gyro	check in turn	Fuel tank change	
Avionics/radios	off	Compass	check in turn	Fuel pump	on
Mixture	idle cut off	Altitude indicator	no Δ in turn	Fuel tank selector	as required
Cold Engine Start		Run-Up		Approach	
Propeller	high RPM	Brakes	Set	Seats, belts	adjusted
Throttle	open 1/2"	Mixture	full rich	Comm. radios	Set
Fuel pump	on	Throttle	2000 RPM	Flight instruments	check & set
Mixture	full rich until	Magnetos	<175, <50 diff	Fuel selector	fullest tank
	indication on fuel flow meter	Suction	check (4.9-5.1)	Landing lights	on
	- then idle/cut off	Annunciators	check	Fuel pump	on
Propellor area	clear	Alternate air	closed	Landing Gear	down, 3 green
Starter	engage	Amperemeter	check	Brakes	check
	when engine fires	Propeller	cycle 1-3 x	Trim	adjusted
Mixture	full rich	Throttle	1000 RPM	Flaps	set
Throttle	1000 RPM	Fuel quantity	check	Mixture	full rich
Oil pressure	check	Fuel selector	fullest tank	Propeller	high RPM
				Throttle	as required
Hot Engine Start		Before Takeoff		After Landing	
Propeller	high RPM	Flight controls	free & correct	Throttle	800-1000 RPM
Throttle	open 1/2"	Flight instruments	set	Flaps	up
Mixture	idle cut off	Flaps	as required	Trim	neutral
Fuel pump	on		long field 10	Fuel pump	off
Propeller area	clear		short field 25	Landing lights	off
Starter	engage	Trim	set	Pitot heat	off
	when engine fires	Door & window	secured	Transponder	standby
Mixture	full rich	Seat belts	fastened	Shutdown	
Throttle	1000 RPM	Tower	clearance	Comm. radio	ground
Oil pressure	check			Parking brakes	set
Flooded Engine Start		Takeoff		Avionics/Electr.	off
Fuel pump	off	Compass/hdg	check rwy hdg	Throttle	idle
Propeller	high RPM	Time off	record	Magnetos	check GND
Throttle	full forward	Pitot heat	as requested	Throttle	1200 RPM
Mixture	idle cut off	Brakes	off	Mixture	idle Cutoff
Starter	engage	"Lights"	on	Magnetos/keys	off & out
	when engine fires	"Camera"	Xpdr Alt	Master switch	off!!!!
Mixture	rich	"Action"		Hobbs/Tach	record
Throttle	800-1000 RPM	Mixture	full rich	Flight controls	secure
Oil pressure	check	Fuel pump	on	Door/Window	secure
		Propeller	high RPM	Tie-Downs	secure
		Throttle	full open		
Vr (rotate) w. flaps 25°	65mph / 56kts	Vs (stall speed)	70mph / 61kts	Vno (max. cruise speed)	170mph / 148kts
Vx (best climb angle)	91mph / 79kts	Vso (stall/ldg. conf)	64mph / 56kts	Vne (max. speed)	214mph / 186kts
Vy (best climb speed)	95mph / 83kts	Va (manouverspeed)	134mph / 117kts	Glide	105mph / 91kts
Climb (cruise)	110mph / 96kts	Vfe (max. speed/flaps)	125mph / 109kts	Max.crosswind	20mph / 17kts
		Vlo (ldg gear op.speed)	150mph / 130kts	Vapp (flaps)	90mph / 78kts

Preflight Inspection		Emergency Procedures	
		Engine Failure	Low Fuel Pressure
Cockpit		Altitude for restart ??	Fuel pump on
Electrical equip.	off	NO	Fuel selector opp. tank
Avionics master	off	Glide 105mph / 91kts	
Circuit breakers	In	Landing Site Select	Engine Roughness
Aircraft documents	onboard	Mixture Cut-off	Mixture check
Ignition switch	off	Master Switch off	Still rough after 1 min?
Landing gear selector	down	Magnetos off	Mixture adjust
Avionics/electr. Switcl	off	Fuel Selector off	Fuel pump on
Master switch	on	YES	Fuel selector opp. tank
Annunciators	check on	Glide 105mph / 91kts	Engine instr. check
Fuel gauges	check qty.	Fuel Selector opp. tank	Magnetos check
Fuel selector	fullest tank	Fuel Pump on	
Static/Pitot	drain	Mixture full rich	
Fuel pump - on	chk. press.	Throttle adjusted	Loss of Oil Pressure or High Oil Temperature
Lights	check	Magnetos check	Land as soon as possible
Master switch	off	alternate air open	Prepare for engine failure
Trims	check		
Flaps	up	Engine restarted?	
		NO	Spin Recovery
Right Wing		Mayday transmit	Throttle idle
Flap & ailerons	check	Transponder 7700	Ailerons neutral
Wingtip / lights	check	Mixture idle cut off	Rudder against spin
Leading edge	chk. clean	Fuel Selector off	Yoke full forward
Fuel quantity	check	Magnetos off	Rotation stopped?
Fuel vent	clear	Master Switch off	Rudder neutral
Fuel strainer	sample	Glide 105mph / 91kts	Yoke neutral
Landing gear/tire	check		Pitch level off
Air inlet	clear	Engine Fire During Start	Throttle as required
		Starter engage	
Nose		Mixture idle cut off	Electrical Failure
Engine condition R	check	Throttle full open	Ammeter Verify inop.
Oil quantity	check	Fuel Pump off	Load is zero?
Prop and spinner	check	Fuel Selector off	Alternator off
Alternator belt	check	Evacuate if fire continues!	Electrical load minimize
Air inlets	clear		Alt. circ. brkr. check & reset
Exhaust stacks	check	Engine Fire During Taxi	Alternator after 30sec. on
Landing light	check	Airplane stop	Power not restored?
Nose gear, tire	check	Mixture idle cut off	Alternator off
Engine condition L	check	Fuel Selector off	Electrical load minimize
Brake reservoir	check	Master switch off	Land as soon as possible
		Evacuate Aircraft	Electrical Overload
Left Wing			Alternator off
Same as right wing plus:		Engine Fire In Flight	Battery on
Pitot / static mast	clear	Mixture idle cut off	Loads reduced?
Stall horn	chk. audio	Fuel selector off	Electrical load minimize
Nose fuel drain	check (2x)	Throttle idle cut off	Land as soon as possible
		Mayday transmit	Not reduced?
Fuselage & Empennage		Transponder 7700	Alternator off
Antennas	check	Magnetos off	Battery as required
Air inlet	check	Master switch off	Essential equipment only!
Stabilator & trim	check	Cabin Fire in Flight	
Jackscrew	check	Master switch off	
Rudder/stab stops	check	Electrical equip. off	PA-28R-200 checklist D-EDHH
Roll & "Big picture"	check	Cabin heater off	April 1st, 2023 - Use at your own risk!
		Vents open	© Copyright M. Torka 2023