



PIPER PA-28-180 CHEROKEE 180

AIRCRAFT QUICK REFERENCE



SECTIONAL CHART (NM)

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PREFLIGHT

1	Documents	ARROW
2	Tach/Hobbs	NOTE
3	Controls	FREE
4	Emergency Equip	CHECK
5	Magnetos	OFF
6	Alternate Static	OFF
7	Circuit Breakers	IN
8	Electrical Equip	OFF
9	BAT/ALT Masters	ON
10	Fuel Quantity	CHECK
11	Flaps	DOWN
12	BAT/ALT Masters	ON
13	Exterior Inspection	COMPLETE
14	Oil	2 QTS MIN
15	Tires	24 PSI

BEFORE START

1	Preflight	COMPLETE
2	ATIS & Clearance	COPIED
3	Parking Brake	SET
4	Tiedowns/chocks	OUT
5	Seat/Belts	SECURE
6	Fuel Selector	FULLEST
7	Avionics	OFF
8	Electrical Equip	OFF
9	Fan	OFF
10	Circuit Breakers	IN
11	Fuses (If installed)	CHECK SPARES
12	Passengers	BRIEFED

START

1	BAT/ALT Masters	ON
2	Lights	AS REQUIRED
3	Mixture	RICH
4	Throttle	1/4 INCH OPEN
5	Annunciators	TEST

6	Fuel Pump	ON
7	Fuel Pressure	GREEN
8	Prime	AS REQUIRED
9	Magnetos	START
10	Throttle	1000 RPM
11	Oil Pressure	GREEN
12	Ammeter	CHARGING
13	Fuel Selector	SWITCH/TANKS
14	Fuel Pump	OFF
15	Mixture	LEAN MAX RPM
16	Avionics	ON
17	Lights	AS REQUIRED
18	Transponder	STBY
19	Parking Brake	OFF
20	Brakes	CHECK
21	Gyros	TAXI CHECK

RUNUP

1	Parking Brake	SET
2	Flight Controls	FREE & CORRECT
3	Avionics	SET
4	Mixture	RICH (BLO 5000 FT)
5	Throttle	2000 RPM
6	Magnetos	LEFT, RIGHT, BOTH
!	175 RPM Max Drop; 50 RPM Differential	
7	Vacuum	5.1 IN Hg ± 0.1
8	Carburetor Heat	CHECK
9	Oil Temp & Pressure	CHECK
10	Engine Instruments	CHECK
11	Annunciator Panel	TEST
12	Ammeter	CHECK WITH LOAD
13	Throttle	IDLE CHECK
!	If IMC DP, maintain vacuum at 5.0 IN Hg.	
14	Autopilot	CHECK, OFF
15	Circuit Breakers	IN
16	Takeoff & Emerg	BRIEFED
17	IFR Departure	BRIEFED

YEARS: **1963-1975 B-G, ARCHER I**
S/N: **28-671 - 28-5859**
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TAKEOFF

1	Avionics/GPS	SET
2	Elevator Trim	TAKEOFF
3	Rudder Trim	NEUTRAL
4	Flaps (norm/short)	UP/25°
5	Fuel Pump	ON
6	Fuel Selector	FULLEST
7	Transponder Mode	ALT
8	Parking Brake	OFF
9	Pitot Heat	AS REQUIRED
10	Lights	AS REQUIRED
11	Mixture	SET for DENS ALT
12	Door & Window	CLOSED
13	Time	NOTE
14	Throttle	FULL
15	Rotate	52 KCAS

CLIMB

1	Airspeed	
	Best Angle	64 KCAS
	Best Rate	74 KCAS
	Cruise	87 KCAS
2	Throttle	FULL
3	Mixture	LEAN ABV 5000 FT
4	Carburetor Heat	COLD
5	Engine Instruments	MONITOR
6	Trims	SET
7	Fuel Pump	OFF AT CRUISE ALT

CRUISE

1	Flaps	UP
2	Fuel Pump	OFF
3	Throttle	55 - 75% POWER
4	Mixture	LEAN AS DESIRED
5	Trims	SET
6	Lights	AS REQUIRED
7	Fuel Balance	MONITOR

DESCENT

1	Plan	4 NM/1000 FT
2	Mixture	ADJUST
3	Throttle	STAGE
4	Landing Light	ON

BEFORE LANDING

1	Approach	BRIEFED
2	Seat Belts	SECURE
3	Fuel Pump	ON
4	Fuel Selector	FULLEST TANK
5	Trims	SET
6	Mixture	RICH (BLO 5000 FT)
7	Flaps	AS REQUIRED
8	Vref (Flaps FULL)	74 KCAS

AFTER LANDING

1	Ground	MONITOR
2	Throttle	800 - 1000 RPM
3	Pitot Heat	OFF
4	Fuel Pump	OFF
5	Mixture	LEAN MAX RPM
6	Flaps	UP
7	Transponder	STANDBY
8	Lights	AS REQUIRED

SECURING AIRPLANE

1	Flight Plan	CLOSED
2	Hobbs & Tach	NOTE
3	Fuel Pump	OFF
4	Throttle	IDLE
5	Avionics & Fan	OFF
6	Electrical Equip	OFF
7	Mixture	IDLE CUTOFF
8	Magnetos/Keys	OFF/OUT
9	BAT/ALT Masters	OFF
10	Tiedowns/Chocks	INSTALL

TERMINAL CHART (NM)

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