

# N55167

# PIPER CHEROKEE 180 NORMAL CHECKLIST

## PREFLIGHT - CABIN

Dispatch Sheet	COMPLETE
WX / Weight / Performance	CHECK
AROW Documents	CHECK
Control Lock	REMOVE
Parking Brake	SET
Ignition	OFF
Avionics Master	OFF
Primer	LOCKED
Master / Pump / Lights	OFF
Throttle / Mixture	IDLE / CUTOFF
Carb Heat	OFF
Circuit Breakers	IN
Master Switch	ON
Fuel Quantity	CHECK
External Lights	CHECK
Stall Warning	CHECK
Pitot Heat	CHECK
Master Switch	OFF
Flaps	EXTEND

## PREFLIGHT - EXTERIOR

Flap / Aileron / Wingtip	CHECK
Leading Edge / Skin	CHECK
Tie Down / Chock	REMOVE
Fuel Vent	CLEAR
Fuel Sump	DRAIN
Fuel Quantity	CHECK
Fuel Tank Cap	SECURE
Right Main Tire	CHECK - 24psi
Right Gear Strut	CLEAN ~ 4"
Right Brake / Hydraulic	CHECK
Cabin Air Intake	CHECK
Cowling / OIL	SECURE - 6-7 qts
Air inlets	CLEAR / CHECK
Alternator Belt	CHECK
Propeller / Spinner	CHECK
Nose Wheel Tire / Strut	CHECK - 18psi
Exhaust Stack	CHECK
Fuel Strainer	CHECK
Windshield	CHECK / CLEAN
Left Cabin Air Intake	CHECK
Left Tire / Strut	CHECK - 24psi / 4"
Left Brake / Hydraulic	CHECK
Fuel Sump	DRAIN
Fuel Quantity	CHECK
Fuel Tank Cap	SECURE
Fuel Vent	CLEAR
Leading Edge / Skin	CHECK
Pitot-Static Mast	CHECK
Tie Down / Chock	REMOVE
Wingtip / Aileron / Flap	CHECK
Left Fuselage	CHECK
Antennas	SECURE
Empennage / Hinges / Tail	CHECK
Tail Tie Down	REMOVE
Right Side Fuselage	CHECK
Baggage / Bag Door	SECURE

## BEFORE ENGINE START

Flaps	RETRACT
Pax / Pilot Safety Briefing	COMPLETE
Seat Belts	ON
Parking Brake	ON
Fuel Selector	DESIRED TANK

## ENGINE START

Master Switch	ON
Fuel Pump	ON
Anti-Collision Light	ON
Mixture	FULL RICH
Throttle	FULL OPEN
Prime	Cold - 4x's Hot - 2x's
Throttle	1/8"
Brakes	HOLD
Area	CLEAR
Ignition	ENGAGE

## AFTER START

Throttle	1,000-1100 RPM
Oil Pressure	CHECK
Avionics Master	ON
Fuel Pump	OFF
Fuel Pressure	CHECK
Mixture	LEAN - 2" TAXI
Nav Light	AS REQ'D
Transponder	1200 / VFR - SBY
ATIS	LISTEN / RECORD
Flight Instruments	SET
Taxi Clearance	REQUEST

## TAXI

Parking Brake	RELEASE
Brakes	CHECK
Instruments	CHECK
Fuel Selector	SWITCH TANKS
Flight Controls	FREE & CLEAR

## ENGINE RUNUP

Parking Brake	SET
Mixture	RICH
Throttle	2,000 RPM
Engine Gauges	GREEN
Magnetos	MAX 150 DROP / 50 DIF
Carb Heat	CHECK
Vacuum	CHECK - 4.8-5.2
Throttle	IDLE CHECK
Voltmeter / Ammeter	CHECK
Mixture	LEAN, BEST POWER

## BEFORE TAKEOFF

DOOR / SEATBELTS	CLOSED / FASTENED
Trim	SET
Flaps	AS REQ'D
Mixture	AS REQ'D
Fuel Pump	ON
Landing Light	AS REQ'D
Transponder	ALT
Tower / Unicom	CALL

## AFTER TAKEOFF - 1000 AGL

Fuel Pump	OFF
Fuel Pressure	CHECK
Landing Light	AS REQ'D

## CRUISE

Throttle	SET
Mixture	LEAN
Engine / Vacuum / Voltmeter	CHECK
Directional Gyro	SET

## DESCENT / APPROACH

Mixture	ENRICH
ATIS / WX	RECORD
Flight Instruments	SET

## BEFORE LANDING

Landing Light	AS REQ'D
Fuel Pump	ON
Fuel Selector	FULLEST TANK
Seat Belts	FASTENED

## AFTER LANDING - CLEAR RUNWAY

Trim	RESET
Flaps	SET / RETRACT
Mixture	LEAN FOR TAXI
Carb Heat	OFF
Fuel Pump	OFF
Landing Light	AS REQ'D
Transponder	STBY
Comm	GROUND / Unicom
Taxi Clearance	REQUEST

## SHUTDOWN / SECURE

Parking Brake	SET
Avionics Switch	OFF
Throttle	1100 RPM
Mag Grounding Check	CHECK
Mixture	CUTOFF
Anti Collision / Lights	OFF
Master Switch	OFF
Ignition	OFF / KEY ON DASH
Dispatch Sheet	COMPLETE
Control Lock	SET
Tie Down / Chocks / Windows	SECURE / CLOSED

## AIRSPEDS - KNOTS

Best Glide 76	Vr - Short 47	Va 113	Vne 154
Vso 49	Vx 64	Vfe 102	Vapp 65
Vs1 55	Vy 76	Vno 125	SHRT 60
Vr 60	CRZ Climb 87		

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## PIPER CHEROKEE 180 ABNORMAL CHECKLIST

### ENGINE FIRE DURING START

Starter	CRANK
Mixture	CUTOFF
Throttle	FULL OPEN
Fuel Pump	OFF
Fuel Selector	OFF
Aircraft	EVACUATE

### ELECTRICAL FIRE

Master Switch	OFF
Vents	OPEN
Cabin Heat / Defrost	OFF

LAND AS SOON AS PRACTICAL

### ENGINE FIRE IN FLIGHT

Fuel Selector	OFF
Throttle	CLOSED
Mixture	CUTOFF
Fuel Pump	OFF

PROCEED WITH EMERGENCY DESCENT / LANDING

### ENGINE FAILURE IN FLIGHT

A.B.C	
Airspeed	76 Kts
Best Field	CHOOSE SUITABLE LANDING SPOT
Carb Heat	ON
Mixture	RICH
Fuel Pump	ON
Throttle	1/2"
Primer	LOCKED
Fuel Selector	SWITCH TANKS
Engine Gauges	CHECK
Magnetos / Ignition	CHECK / START

### POWER RESTORED

Land at nearest suitable airport

### POWER NOT RESTORED

Declare Emergency	DONE
Engine / Aircraft Secure	COMPLETE

### ENGINE SECURE - AIRCRAFT SECURE

Fuel Selector	OFF
Ignition	OFF
Throttle	CLOSED
Mixture	CUTOFF
Master Switch	OFF
Fuel Pump	OFF
ELT	ACTIVATE
Seat Belts / Harnesses	TIGHT
Door	OPEN
Flaps	FULL WHEN LANDING ASSURED

SOFT FIELD TECHNIQUE, PAX BRACE FOR IMPACT

### LOSS OF FUEL PRESSURE

Fuel Pump	ON
Fuel Selector	SWITCH TANKS

PROCEED WITH CAUTION

### ENGINE ROUGHNESS

Carb Heat	ON
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If roughness continues:

Mixture	ADJUST FOR MAX SMOOTH
Fuel Pump	ON
Fuel Selector	SWITCH TANKS
Engine Gauges	CHECK
Magnetos	L, R, BOTH - CHECK

If operation satisfactory on either one, continue on that magneto at reduced power & mixture full rich. Land at nearest practical airport.

### ELECTRICAL FAILURE

Voltmeter	VERIFY DISCHARGING
Electrical Load	REDUCE
ALT Switch	OFF
ALT Circuit Breaker	CHECK & RESET
ALT Switch	ON

if power not restored:

ALT Switch	OFF
Electrical Load	MINIMUM

LAND AT NEAREST PRACTICAL AIRPORT

### ELECTRICAL OVERLOAD

(Voltmeter > 15 volts)	
Electrical Load	REDUCE

If no change in Voltmeter:

ALT Switch	OFF
Electrical Load	MINIMUM

LAND AT NEAREST PRACTICAL AIRPORT

### OPEN DOOR

Airspeed	87 kts or LESS
Cabin Vents	CLOSED
Storm Window	OPEN
Door	PULL SHUT + LATCH

### NORMAL TRAFFIC PATTERN

#### Downwind

Throttle	2100 RPM
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#### Abeam Touchdown Point

Throttle	1700 RPM
Carb Heat	ON
Flaps	1 NOTCH
Airspeed	85 kts

#### Base Leg

Touchdown point	45 degrees behind, TURN
Flaps	2 NOTCHES
Airspeed	75 kts
Altitude	JUDGE - HIGH/LOW

#### Final Leg

Flaps	3 NOTCHES
Airspeed	65 kts
Aimpoint	ESTABLISH

### TOUCH N GO

Flaps	RETRACT
Carb Heat	OFF
Throttle	SMOOTH FULL OPEN
Centerline	TRACK
Airspeed	60kts, ROTATE

### RADIO CALLS

#### Towered Airport:

WHO	Henderson Tower, Archer 55167
WHERE	Over Ruins, 4,000
WEATHER	Atis Kilo
WHAT	Inbound, Full Stop

#### Non-Towered

WHO	Jean Traffic, Archer 55167
WHERE	6 miles to the Southwest, 5,000
WHAT	ight downind entry runway 20R, touch n go
WHO	Jean

### FREQUENCIES

#### KHND

ATIS	120.775
GROUND	127.8
TOWER / CTAF	125.1

#### OL7

CTAF	122.9
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#### BVU

AWOS	118.475
CTAF	122.7