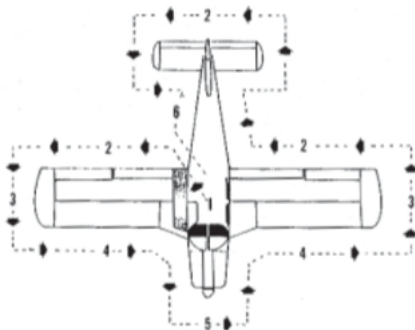


Piper Cherokee 140 - Checklist

PREFLIGHT



WEATHERCHECK
EQUIPMENT REQUIREDCHECK
WEIGHT & BALANCECHECK
PERFORMANCE FIGURES.....CHECK
AIRCRAFT CLIPBOARD & KEYS.....CHECK

COCKPIT

REQUIRED DOCUMENTSAVAILABLE
HOBBS/TACH RECORD
GUST LOCK REMOVE AND STOW
MASTER ON
FUEL QUANTITY GAUGES CHECK
ROTATING BEACON.....CHECK
NAV LIGHTSCHECK (NIGHT OPS)
MASTER SWITCH OFF
FLAPS DOWN

RIGHT WING

FLAP SECURE & UNDAMAGED
AILERON FREE & CORRECT
AILERON COUNTERWEIGHT FREE
WING TIP & LIGHT UNDAMAGED

Piper Cherokee 140 - Checklist

FUEL DRAIN SAMPLE
FUEL QUANTITY CHECK
FUEL CAP SECURE
FUEL VENT CLEAR
LANDING GEAR/TIRE UNDAMAGED
BRAKES CHECK
AIR INLET CLEAR

NOSE

WINDSHIELD CLEAN & UNDAMAGED
ENGINE OIL LEVEL 6 TO 8 QTS
ENGINE OIL DIPSTICK SECURED
PROPELLER & SPINNER CHECK
COWLING CHECK
LANDING LIGHT CHECK
NOSE GEAR & TIRE CHECK
TOW BAR REMOVED & STOWED
CHOCKS REMOVED
ALTERNATOR BELT TENSION
FUEL SUMP DRAIN SAMPLE

LEFT WING

AIR INLET CLEAR
FUEL DRAIN SAMPLE
FUEL QUANTITY CHECK
FUEL CAP SECURE
FUEL VENT CLEAR
LANDING GEAR & TUBE CHECK
PITOT COVER REMOVED
PITOT MAST UNDAMAGED
STALL WARNING INDICATOR CHECK
WING TIP & LIGHT UNDAMAGED
AILERON FREE
AILERON COUNTERWEIGHT FREE
FLAP SECURE & UNDAMAGED

Piper Cherokee 140 - Checklist

EMPENNAGE

STABILATOR & TRIM.....CHECK
RUDDERCHECK
ANTENNASCHECK
PREFLIGHT INSPECTION COMPLETE

BEFORE STARTING ENGINE

FLAPS UP
SEATS, BELTS.....ADJUSTED, LOCKED
DOOR LATCHED
RADIO MASTER OFF
PARKING BRAKE SET
FUEL SELECTOR FULLEST TANK
CONTROLS CHECK
CIRCUIT BREAKERS CHECK
PASSENGER BRIEFINGCOMPLETE

ENGINE START

MIXTUREFULL RICH
CARBURETOR HEAT OFF
MASTER SWITCHON
ANTI-COLLISION LIGHTSON
FUEL PUMP ON
FUEL PRESSURE CHECK
PRIME AS REQUIRED
THROTTLE CRACKED
PROPELLER AREA.....CLEAR
BRAKES.....SET
STARTER ENGAGE
OIL PRESSURE (30/WARM & 60/COLD) CHECK
ENGINE SET 1000 RPM

Piper Cherokee 140 - Checklist

FUEL PUMPOFF
AVIONICS/RADIOS ON
TRANSPONDER ALT & 1200

TAXI

DO NOT RIDE THE BRAKES

GBR UNICOM 122.8RADIO CHECK
ALTIMETERSET
AIRPORT DIAGRAM.....AVAILABLE
LIGHTS.....AS REQUIRED
BRAKES.....TEST
TAXI AREA CLEAR(LEFT/RIGHT/BEHIND) CLEAR
FLIGHT INSTRUMENTS (TC/AI/HSI/VSI).....CHECK
STERILE COCKPIT ...NO NON-ESSENTIAL CONVERSATION

RUN UP

AIRCRAFT POSITIONINTO THE WIND
PARKING BRAKESET
MIXTURE FULL RICH
THROTTLE2000 RPM
MAGNETOS (175 RPM MAX DROP, 50 RPM DIFF.).... CHECK
CARBURETOR HEATCHECK
ENGINE INSTRUMENTS IN GREEN
VACUUM GAUGE 4.5 – 5.2
AMMETER.....CHECK
FUEL PRESSURECHECK
THROTTLE 1000 RPM
PRIMER.....LOCKED
FLIGHT INSTRUMENTSCHECK
FLIGHT CONTROLS FREE & CORRECT
THROTTLE FRICTION LOCK ADJUSTED
TRIM TAB SET TO NEUTRAL
TRANSPONDER ON-ALT

Piper Cherokee 140 - Checklist

BEFORE TAKEOFF

DOOR & WINDOWSECURE
SEAT BELTSFASTENED
FLAPSSET
LANDING LIGHTON
FUEL PUMPCONFIRM ON
MIXTURE CONFIRM FULL RICH (OR SET FOR ALTITUDE)
COURSE SETSET
TIME OFFNOTED
DEPARTURE BRIEFINGBRIEFED

DEPARTURE BRIEFING

Rotation Speed is knots/mpH.
Computed take-off distance is feet.
Available runway is feet.

DEPARTURE ROLL

If on the departure roll we are not off by _____ or there is any other issue, the throttle goes to idle, we apply the brakes and stop the aircraft.

BELOW 500' AGL

If the engine fails below _____' MSL, pitch for best glide of _____, avoid obstacles and land straight ahead.

BETWEEN 500 - 1000' AGL

If the engine fails between _____ and _____' MSL, pitch for best glide of _____, avoid obstacles and land at _____.
(specify a spot 30 - 45 degrees to the left or right of the extended centerline)

ABOVE 1000' AGL

If the engine fails above _____' MSL, pitch for best glide of _____, and turn (left/right) back to land at the airport.

Piper Cherokee 140 - Checklist

ON CENTERLINE (W.H.A.T. I.F.)

Wind	x-wind correction
Heading	set heading bug (DG, MC, TRK, Runway Align)
Altimeter	verify altitude
Transponder	on and proper squawk code
Trim	set
Flaps	proper configuration

NORMAL TAKEOFF

FLAPS	UP
ROTATE	55-60 MPH
CLIMB SPEED (V_Y) N5733U & N7520R	85 MPH
CLIMB SPEED (V_Y) N56558	89 MPH

SHORT-FIELD TAKEOFF

FLAPS	25°
POSITION	ALL AVAILABLE RUNWAY
BRAKES	HOLD
THROTTLE	FULL OPEN
ENGINE GAUGE	CONFIRM FULL PWR
BRAKES	RELEASE
ROTATE	55-60 MPH
INITIAL CLIMB SPEED (V_X) N5733U & N7520R	74 MPH
INITIAL CLIMB SPEED (V_X) N56558	78 MPH
FLAPS	UP CLEAR 50' OBSTACLE
CLIMB SPEED (V_Y) N5733U & 7520R	85 MPH
CLIMB SPEED (V_Y) N56558	89 MPH

Piper Cherokee 140 - Checklist

CLIMB

THROTTLE.....FULL
FLAPS.....RETRACT CLEAR OBSTACLES
CRUISE CLIMB.....SET PITCH

CRUISE

PITCH.....SET
THROTTLE 2200-2500 RPM
TRIM..... SET
FUEL SELECTOR.....PROPER TANK
FUEL PUMPOFF
LANDING LIGHT.....OFF
MIXTURELEAN AS REQ

APPROACH

ATIS/AWOSCHECK
ALTIMETERSET
AIRPORT DIAGRAMCHECK
LANDING LIGHTON
MIXTUREADJUST

BEFORE LANDING

POWERAS REQUIRED
MIXTURERICH
CARB HEATAS REQ
FUEL PUMP.....ON
LANDING LIGHTON
FUEL SELECTOR.....PROPER TANK
SEAT BELTSFASTENED

Piper Cherokee 140 - Checklist

FLAPSAS REQ
FLIGHT INSTRUMENTSCHECK

NORMAL LANDING

FLAPSAS REQ
AIRSPEED 40° FLAPS 76 MPH
..... 25° FLAPS 79 MPH
..... 10° FLAPS 82 MPH
..... 0° FLAPS 85 MPH

SHORT-FIELD LANDING

FLAPS40° FLAPS
AIRSPEED76 MPH
FLAPSRETRACT AFTER TOUCH DOWN
BRAKESAPPLY

GO AROUND

THROTTLE.....FULL FWD
CARB HEATOFF
PITCH.....UP
FLAPS.....RETRACT TO 25°
AIRSPEED.....PITCH FOR V_x
POSITIVE RATE OF CLIMB.....CONFIRM
FLAPSRETRACT

AFTER LANDING

FLAPSRETRACT
CARB HEATOFF
LANDING LIGHTAS REQ

Piper Cherokee 140 - Checklist

FUEL PUMPOFF
TAXI CLEARANCEBRIEF

SHUTDOWN

THROTTLE1000 RPM
TRANSPONDER1200
LANDING/TAXI LIGHTSOFF
AVIONICS/RADIOSOFF

MIXTUREIDLE CUTOFF
MASTEROFF
MAGNETOSOFF
KEYREMOVED

SECURING

WINDOWCLOSED
HOBBS/TACHRECORDED
FLIGHT CONTROLSSECURED
COCKPITCLEAN OF DEBRIS
PARKING BRAKEOFF
COWL COVERSINSTALLED
PITOT COVERINSTALLS
DOORCLOSED
CHOCKAS REQ
POST-FLIGHT WALK AROUNDCOMPLETE

The pilot is responsible for verifying all documents prior to flight!
For more detailed information on operating each aircraft and its systems, please refer to each aircraft's specific POH and W&B.

Piper Cherokee 140 - Checklist

PERFORMANCE*

Takeoff Ground Run (minimum)	800 ft
Takeoff Distance Over 50-ft Obstacle (25 ° flaps)	1700 ft
Rate of Climb (ft per min) N5733U & N7520R	660 ft
Rate of Climb (ft per min) N56558.....	631 ft
Service Ceiling N5733U & N7520R.....	14,300 ft
Service Ceiling N56558.....	10,950 ft
Landing Roll (flaps down).....	535 ft

V _{so}	55 mph
V _s	64 mph
V _x N5733U & N7520R	74 mph
V _x N56558.....	78 mph
V _y N5733U & N7520R.....	85 mph
V _y N56558.....	89 mph
V _{fe}	115 mph
V _a	129 mph
V _{no}	140 mph
V _{ne}	171 mph
V _{bg} N5733U & N7520R	83 mph
V _{bg} N56558	80 mph

Max. Gross Weight	2150 lbs
Useful Load N5733U	835.27 lbs
Useful Load N7520R	794 lbs
Useful Load N56558	627 lbs
Max. Baggage.....	200 lbs

Fuel	Full 50 gals
.....	Usable 48 gals
.....	Tab 36 gals

Oil.....	6 - 8 quarts
Avg. Fuel Burn.....	8.5 GPH

*Please reference specific aircraft POH for flight planning.