

Inspire Aviation

Piper Cherokee 180 Checklist

This Checklist is only for training purposes and is not intended to replace the POH/AFM. Refer also to the POH/AFM in an actual emergency. Revised 10/21/2023

ENGINE FAILURE TAKEOFF ROLL

Throttle CLOSE
Brakes APPLY
Flaps UP
Mixture CUTOFF
Ignition OFF
Master OFF

ENGINE FAILURE DURING TAKEOFF

MAINTAIN AIRCRAFT CONTROL LAND ON
REMAINING RUNWAY OR WITHIN 30° OF
CENTERLINE. AVOID OBSTACLES. DO NOT
ATTEMPT 180° TURN

Airspeed BEST GLIDE 83 MPH
Flaps AS REQ
Power AS AVAILABLE
Time Permit DECLARE EMERGENCY
Mixture CUTOFF
Fuel Selector OFF
Ignition OFF
Master switch OFF
Doors UNLATCH

SPIN RECOVERY

In the event the aircraft enter an unintentional spin,
proceed as follows.

Rudder FULL OPPOSITE OF SPIN
Elevator FULL FWD
While Simultaneously
Ailerons NEUTRAL
Throttle IDLE

When Rotation Stops

Rudder NEUTRAL
Elevator BACK TO LVL FLIGHT

LOSS OF FUEL PRESSURE

Fuel Pump ON
Fuel Selector FULLEST TANK

LOSS OF OIL PRESSURE

Land ASAP PREPARE FOR
POWER OFF LANDING PROCEDURE

HIGH OIL TEMPERATURE

Land ASAP PREPARE FOR
POWER OFF-LANDING PROCEDURE

CLEANING FOULED SPARK PLUGS

Throttle 2000 RPM
Mixture LEAN FOR SLIGHT
RPM DROP MAINTAIN FOR 60 SEC
Mixture FULL FWD
Perform Magneto Check

CARBURETOR ICING

Carb Heat ON
Mixture ADJUST FOR SMOOTHNESS

ENGINE RUNNING ROUGHLY

MAINTAIN AIRCRAFT CONTROL

Carb Heat ON
IF ROUGHNESS CONTINUES AFTER 1 MIN
Carb Heat OFF
Mixture ADJUST FOR SMOOTHNESS
Fuel Pump ON
Fuel Selector ... SWITCH TANKS / CHECK
PRESSURE
Engine Gauges CHECK
Magnetos .. CHECK LEFT / CHECK RIGHT
**PREPARE FOR POWER OFF LANDING
PROCEDURE**

ENGINE POWER LOSS IN-FLIGHT

IF AT LOW ALTITUDE

Airspeed MAINTAIN 83 MPH

IF ALTITUDE PERMITS

Fuel Selector SWITCH TANKS
Fuel Pump ON
Mixture RICH
Carb Heat ON
Magnetos LEFT / RIGHT CHECK
Primer IN / LOCK
Engine Gauges CHECK INDICATION
OF CAUSE OF POWER LOSS

If no fuel pressure is indicated, check fuel selector
position to be sure it is on a tank containing fuel. If
power is not restored prepare for a power off landing

POWER OFF LANDING

Airspeed Best Glide 83 MPH
Landing Area SELECT
When Committed To Landing

Flaps AS DESIRED
Throttle CLOSE
Carb Heat OFF
Mixture CUTOFF
Magnetos OFF
Battery Master OFF
Alternator OFF
Fuel Selector OFF
Squawk 7700
Declare Emergency 121.50
Seat Belts & Shoulder Harness TIGHTEN
Doors UNLATCH

ENGINE FIRE DURING START

Starter CRANK ENGINE
Mixture IDLE CUTOFF
Throttle OPEN
Fuel Pump OFF
Fuel Selector OFF
ABANDON IF FIRE CONTINUES

ENGINE FIRE INFLIGHT

Battery Master OFF
Alternator OFF
Vents OPEN
Cabin Heat OFF
Storm Window OPEN

LAND AS SOON AS POSSIBLE

ELECTRICAL FIRE IN FLIGHT

Airspeed 83 MPH
Fuel Selector OFF
Throttle CLOSED
Mixture CUTOFF
Fuel Pump OFF
Heater & Defroster OFF

INCREASE AIRSPEED TO OUT THE FIRE, ONCE
THE FIRE IS OUT. **PREPARE FOR POWER-OFF**

LANDING PROCEDURE

V SPEEDS

Vr (flaps 25)	68 mph
Vr (flaps up)	78 mph
Vx	74 mph
Vy	85 mph
V cruise climb	100 mph
Vg	83 mph
Va	129 mph
Vfe	115 mph
Vso	68 mph
Vs1	72 mph
Vno	140 mph
Vne	171 mph

Pattern Work

BEFORE TAKEOFF

Pre-Takeoff Brief COMPLETE
Flight Controls FREE & CORRECT
Flight Instruments CHECK & SET
Fuel Gauge/QTY CHECK/SUFFICIENT
Fuel Selector FULLEST TANK
Trim SET NEUTRAL
Flaps SET
GPS SET
Heading Indicator SET
Departure Brief

Initial Altitude & heading

Brief Departure Procedure COMPLETE
Parking Brake RELEASE

Final Items When #1 For Takeoff

Mixture SET FOR BEST POWER
Seat Belt & Shoulder Harness FASTENED
Door & Windows CLOSED & LOCKED
Lights ON
Transponder ALT
Traffic CHECK

BEFORE LANDING CHECKLIST

Fuel Pump ON/CHECK PRESSURE
Fuel Selector FULLEST TANK
Mixture RICH
Carb Heat AS REQ
Flaps AS REQ
Landing Light ON

GO AROUND / MISSED APPROACH

Throttle FULL
Carb Heat OFF
Flaps RETRACT 25°
Pitch EST CLIMB
Flaps RETRACT 10°
Airspeed Vy/Vx/AS REQ

At Safe Altitude & >74 MPH

Flaps UP

TOUCH AND GO

MAINTAIN CENTERLINE

Flaps UP
Carb Heat OFF
Throttle FULL

AFTER LANDING (STOPPED)

Trim SET NEUTRAL
Flaps UP
Mixture LEAN FOR RPM RISE
Carb Heat OFF
Fuel Pump OFF
Taxi & Landing Lights AS REQ
Taxi Clearance OBTAIN