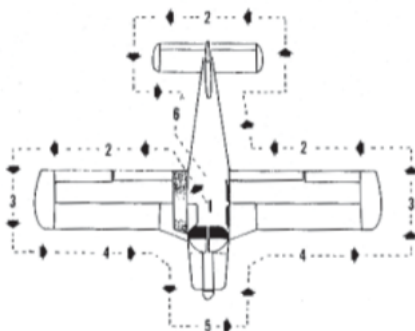


# N7520R Cherokee 140 - Checklist

## PREFLIGHT



WEATHER.....	CHECK
EQUIPMENT REQUIRED .....	CHECK
WEIGHT & BALANCE .....	CHECK
PERFORMANCE FIGURES.....	CHECK
AIRCRAFT CLIPBOARD & KEYS .....	CHECK

## COCKPIT

REQUIRED DOCUMENTS.....	AVAILABLE
HOBBS/TACH .....	RECORD
MASTER .....	ON
FUEL QUANTITY GAUGES .....	CHECK
ROTATING BEACON .....	CHECK
STROBES .....	CHECK
LANDING LIGHT.....	CHECK
NAV LIGHTS.....	CHECK (NIGHT OPS)
MASTER SWITCH .....	OFF
FLAPS .....	DOWN

## RIGHT WING

FLAP .....	SECURE & UNDAMAGED
AILERON .....	FREE & CORRECT
WING TIP & LIGHT .....	UNDAMAGED
FUEL DRAIN .....	SAMPLE
FUEL QUANTITY .....	CHECK
FUEL CAP.....	SECURE

# N7520R Cherokee 140 - Checklist

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  
FLAP ..... SECURE & UNDAMAGED

## EMPENNAGE

STABILATOR & TRIM.....CHECK  
RUDDER .....CHECK  
VERTICAL STABILIZER.....CHECK  
ANTENNAS .....CHECK

# N7520R Cherokee 140 - Checklist

## BEFORE STARTING ENGINE

PASSENGER BRIEFING .....COMPLETE  
FLAPS ..... UP  
SEATS, BELTS.....ADJUSTED, LOCKED  
DOOR ..... LATCHED  
RADIOS.....OFF  
TRANSPONDER ..... OFF  
FUEL SELECTOR ..... LOWEST TANK  
CIRCUIT BREAKERS ..... CHECK  
CONTROLS ..... FREE & CORRECT

## ENGINE START

PARKING BRAKE ..... SET  
MIXTURE .....FULL RICH  
CARBURETOR HEAT ..... OFF  
MASTER SWITCH .....ON  
ROTATING BEACON .....ON  
FUEL PUMP ..... ON  
FUEL PRESSURE ..... CHECK  
PRIME ..... AS REQUIRED  
THROTTLE ..... CRACKED  
PROPELLER AREA.....CLEAR  
MAGNETOS.....TURN TO BOTH  
STARTER BUTTON..... ENGAGE  
OIL PRESSURE (*30/WARM & 60/COLD*)..... CHECK  
ENGINE ..... < 1000 RPM  
FUEL PUMP .....OFF  
RADIOS ..... ON  
TRANSPONDER ..... ALT & 1200

# N7520R Cherokee 140 - Checklist

## TAXI

DO NOT RIDE THE BRAKES

GBR UNICOM 122.8.....RADIO CHECK  
ALTIMETER .....SET  
FLIGHT INSTRUMENTS.....CHECK  
LANDING LIGHTS .....AS REQUIRED  
AIRPORT DIAGRAM.....AVAILABLE  
TAXI AREA CLEAR.....CLEAR  
STERILE COCKPIT .....NO NON-ESSENTIAL CONVERSATION  
BRAKES .....TEST

## RUN UP

AIRCRAFT POSITION.....INTO THE WIND  
PARKING BRAKE .....SET  
FUEL SELECTOR ..... FULLEST TANK  
MIXTURE ..... FULL RICH  
THROTTLE .....2000 RPM  
MAGNETOS (175 RPM MAX DROP, 50 RPM DIFF.) ..... CHECK  
CARBURETOR HEAT .....CHECK  
ENGINE INSTRUMENTS ..... IN GREEN  
FUEL PRESSURE .....CHECK  
VACUUM GAUGE ..... 4.5 – 5.2  
AMMETER.....CHECK  
THROTTLE ..... IDLE  
CARBURETOR HEAT .....CHECK  
THROTTLE ..... < 1000 RPM  
PRIMER ..... LOCKED  
FLIGHT INSTRUMENTS.....CHECK  
FLIGHT CONTROLS ..... FREE & CORRECT  
THROTTLE FRICTION LOCK ..... ADJUSTED  
TRANSPONDER ..... ON-ALT

# N7520R Cherokee 140 - Checklist

## BEFORE TAKEOFF

DOOR .....CLOSED & LOCKED  
WINDOW .....SECURE  
SEAT .....LOCKED IN PLACE  
SEAT BELTS .....FASTENED  
FLAPS .....SET  
TRIM TAB ..... SET TO NEUTRAL  
LANDING LIGHT .....ON  
STOBE LIGHTS .....ON  
FUEL PUMP .....ON  
MIXTURE ..... CONFIRM FULL RICH (OR SET FOR ALTITUDE)  
TIME OFF .....NOTED  
DEPARTURE BRIEFING .....BRIEFED

# N7520R Cherokee 140 - Checklist

## DEPARTURE BRIEFING

- Wind Direction & Speed
- Runway Abort Point
- Climb Speed
- Best Glide Speed
- Known Obstructions & Terrain
- Decision Height/Altitude
- Landing Options
- Airplane Configured (W.H.A.T. - I.F.)

Risk Profile	Low	<b>1.TAKE OFF ROLL</b> Power To Idle Maintain Directional Control Stop
	Moderate	<b>2.RUNWAY REMAINING</b> Pitch Down Power To Idle Land Straight Ahead
	High	<b>3.INITIAL CLIMB</b> Pitch Down Establish Best Glide Land Within a Widening Pie Slice Land Into Wind
	Moderate	<b>4.DEPARTURE CLIMB</b> Pitch Down Establish Best Glide Select Best Landing Spot Land Into Wind Systems Off Crack Open Doors

# N7520R Cherokee 140 - Checklist

## NORMAL TAKEOFF

FLAPS .....UP  
ROTATE ..... 55-60 MPH  
CLIMB SPEED ( $V_Y$ ).....85 MPH

## SHORT-FIELD TAKEOFF

FLAPS .....25°  
POSITION .....ALL AVAILABLE RUNWAY  
BRAKES.....HOLD  
THROTTLE ..... FULL OPEN  
ENGINE.....MAX STATIC POWER  
BRAKES.....RELEASE  
ROTATE ..... 55-60 MPH  
INITIAL CLIMB SPEED ( $V_X$ ) .....74 MPH  
FLAPS .....UP CLEAR 50' OBSTACLE  
CLIMB SPEED ( $V_Y$ ).....85 MPH

## 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 PUMP .....OFF  
MIXTURE .....LEAN AS REQ  
LANDING LIGHT .....OFF

# N7520R Cherokee 140 - Checklist

## APPROACH

ATIS/AWOS .....CHECK  
ALTIMETER .....SET  
AIRPORT DIAGRAM.....CHECK  
LANDING LIGHT .....ON  
MIXTURE.....ADJUST  
APPROACH .....BRIEFED

## BEFORE LANDING

POWER.....AS REQUIRED  
MIXTURE .....RICH  
CARB HEAT .....AS REQ  
FUEL PUMP .....ON  
LANDING LIGHT .....ON  
FUEL SELECTOR .....PROPER TANK  
SEAT BELTS.....FASTENED  
FLAPS .....AS REQ  
FLIGHT INSTRUMENTS.....CHECK

## NORMAL LANDING

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

## SHORT-FIELD LANDING

FLAPS .....40° FLAPS  
AIRSPEED.....76 MPH  
FLAPS .....RETRACT AFTER TOUCH DOWN  
BRAKES .....APPLY



# N7520R Cherokee 140 - Checklist

## GO AROUND

THROTTLE .....FULL FWD  
CARB HEAT .....OFF  
PITCH .....UP  
FLAPS .....RETRACT TO 25°  
AIRSPEED (V<sub>x</sub>) .....PITCH FOR 74 MPH  
POSITIVE RATE OF CLIMB .....CONFIRM  
FLAPS .....RETRACT AT SAFE ALTITUDE  
CLIMB (V<sub>y</sub>) .....85 MPH

## CLEAR OF RUNWAY

FLAPS .....RETRACT  
CARB HEAT .....OFF  
LANDING LIGHT .....AS REQ  
STROBES .....OFF  
FUEL PUMP .....OFF  
MIXTURE .....LEAN FOR TAXI  
TAXI CLEARANCE .....BRIEF

## SHUTDOWN

THROTTLE .....< 1000 RPM  
TRANSPONDER .....1200  
LANDING LIGHTS .....OFF  
STROBES .....OFF  
NAV LIGHTS .....OFF  
ROTATING BEACON .....OFF  
RADIOS .....OFF  
MIXTURE .....IDLE CUTOFF  
MASTER .....OFF  
MAGNETOS .....OFF  
KEY .....REMOVED

# N7520R Cherokee 140 - Checklist

## SECURING

WINDOW.....CLOSED  
FLIGHT CONTROLS .....SECURED  
COCKPIT.....CLEAN OF DEBRIS  
PARKING BRAKE.....OFF  
HOBBS/TACH .....RECORDED  
COWL COVERS .....INSTALLED  
PITOT COVER .....INSTALLS  
DOOR.....CLOSED  
CHOCK.....AS REQ  
POST-FLIGHT WALK AROUND .....COMPLETE

# N7520R Cherokee 140 - Checklist

## EMERGENCY PROCEDURES

### ENGINE FIRE DURING START ON GROUND

CRANKING ..... CONTINUE  
THROTTLE ..... OPEN  
MIXTURE ..... IDLE CUT-OFF  
FUEL PUMP ..... OFF  
FUEL SELECTOR ..... OFF  
IF FIRE CONTINUES ..... EVACUATE

### IF ENGINE STARTS:

POWER ..... 1800 RPM – 2 MIN  
ENGINE ..... SHUTDOWN & INSPECT  
FUEL SELECTOR ..... OFF  
MASTER SWITCH ..... OFF  
IGNITION SWITCH ..... OFF

### ENGINE POWER LOSS DURING TAKE-OFF

AIRSPPEED ..... PITCH FOR BEST GLIDE  
FUEL SELECTOR ..... SWITCH TANKS  
FUEL PUMP ..... ON  
MIXTURE ..... CONFIRM RICH  
CARBURETOR HEAT ..... ON

### ENGINE FAILURE

AIRSPPEED ..... PITCH FOR BEST GLIDE  
SUITABLE FIELD ..... SELECT  
FUEL SELECTOR ..... SWITCH TANKS  
FUEL PUMP ..... ON  
MIXTURE ..... RICH  
CARBURETOR HEAT ..... ON  
ENGINE GAUGES ..... CHECK  
PRIMER ..... IN & LOCKED  
IGNITION ..... LEFT/RIGHT/BOTH  
ENGINE GAUGES ..... CHECK

# N7520R Cherokee 140 - Checklist

IF POWER IS RESTORED:

FUEL PUMP ..... AS REQ  
MIXTURE ..... SET AS REQ  
CARBURETOR HEAT ..... AS REQ  
LAND ..... AS SOON AS POSSIBLE

IF POWER IS NOT RESTORED:

## POWER OFF LANDING

AIRSPPEED ..... PITCH FOR BEST GLIDE  
SUITABLE FIELD ..... SELECT  
TRANSPONDER ..... 7700  
COMMUNICATE ..... MAYDAY (121.5)

WHEN COMMITTED TO LANDING:

IGNITION SWITCH ..... OFF  
MASTER SWITCH ..... OFF  
FUEL SELECTOR VALVE ..... OFF  
MIXTURE ..... IDLE CUT-OFF  
SEAT BELTS ..... SECURE  
PASSENGERS ..... BRIEFED  
DOOR ..... OPEN  
FLAPS ..... AS REQ  
TOUCHDOWN ..... LOWEST AIRSPEED POSSIBLE  
EXIT AIRCRAFT ..... AS SOON AS POSSIBLE

## ENGINE ROUGHNESS

CARBURETOR HEAT ..... ON  
MIXTURE ..... ADJUST FOR MAX. SMOOTHNESS  
FUEL PUMP ..... ON  
FUEL SELECTOR ..... SWITCH TANKS  
ENGINE GAUGES ..... CHECK  
PRIMER ..... CONFIRM IN & LOCKED  
MAGNETOS ..... CHECK LEFT - RIGHT - BOTH

IF ROUGHNESS PERSISTS, PREPARE FOR  
PRECAUTIONARY LANDING

# N7520R Cherokee 140 - Checklist

## **FIRE**

### **ELECTRICAL FIRE (SMOKE IN CABIN)**

MASTER ..... OFF  
VENTS ..... OPEN  
CABIN HEAT ..... OFF  
ELECTRICAL EQUIPMENT ..... OFF  
LAND ..... AS SOON AS POSSIBLE

### **ENGINE FIRE**

MIXTURE ..... IDLE CUT-OFF  
FUEL SELECTOR ..... OFF  
FUEL PUMP ..... OFF  
MASTER ..... OFF  
MAGNETOS ..... OFF  
THROTTLE ..... CLOSED  
AIRSPEED ..... PITCH FOR EMERGENCY DESCENT

### **LOSS OF OIL PRESSURE/HIGH OIL TEMPERATURE**

LAND ..... AS SOON AS PRACTICAL

PREPARE FOR IMMINENT ENGINE FAILURE

### **LOSS OF FUEL PRESSURE**

FUEL PUMP ..... ON  
FUEL SELECTOR ..... CHECK ON FULL TANK  
LAND ..... AS SOON AS PRACTICAL

### **ALTERNATOR FAILURE**

LOAD METER ..... CHECK  
ALTERNATOR ..... OFF  
ELECTRICAL LOAD ..... REDUCE  
CIRCUIT BREAKERS ..... CHECK & RESET  
ALTERNATOR ..... ON

# N7520R Cherokee 140 - Checklist

IF POWER NOT RESTORED THEN:

ALTERNATOR .....OFF  
ELECTRICAL LOAD .....REDUCE  
LAND .....AS SOON AS PRACTICAL

## SPINS

THROTTLE .....IDLE  
AILERONS .....NEUTRAL  
RUDDER .....OPPOSITE ROTATION  
CONTROL WHEEL .....FULL FORWARD

## OPEN DOOR

AIRSPPEED .....SLOW TO 100 MPH IAS  
CABIN VENTS .....CLOSE  
STORM WINDOW .....OPEN  
SLIP .....IN DIRECTION OF DOOR  
DOOR .....LATCH CLOSED

## PERFORMANCE\*

Takeoff Ground Run (minimum) .....800 ft  
Takeoff Distance Over 50-ft Obstacle (25 ° flaps).....1700 ft

# N7520R Cherokee 140 - Checklist

Rate of Climb (ft per min).....660 ft  
Service Ceiling.....14,300 ft  
Landing Roll (flaps down) .....535 ft

Vso.....55 mph  
Vs.....64 mph  
Vx.....74 mph  
Vy.....85 mph  
Vfe.....115 mph  
Va.....129 mph  
Vno.....140 mph  
Vne.....171 mph  
Vbg .....83 mph

Max. Gross Weight.....2150 lbs  
Useful Load.....794 lbs  
Max. Baggage.....200 lbs

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

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

\*Please reference specific aircraft POH for flight planning.

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.