

Cessna 172 SP

Microsoft Flightsimulator 2004

Aircraft : Default Cessna 172SP
Panel : Default Cessna 172SP



Werner Schott
Switzerland
w.schott@abbts.ch

Other simulator checklists and other sim/real aviation items available for download at <http://www.faatest.com> and <http://www.faatest.com/downloads/simchecklists/simchecklists.html>



Pre-Start Checklist

Parking Brakes	SET
Throttle	CLOSED
Magneto/Starter Switch	OFF
Battery & Alternator Master Switches	OFF
Avionics	OFF
Fuel Pump Switch	OFF
Mixture/Fuel Flow	CUTOFF
Battery Switch	ON
Flight controls	CHECK
Flaps	UP
Fuel Quantity	CHECK
Fuel Selector	BOTH
Avionics Switch	ON
Check Weather	(Atis, Flight Services)
Request Clearance	
Transponder	STANDBY
Beacon/Strobe Light	ON



Startup Checklist

Throttle	OPEN 1/4 INCH
Mixture	RICH
Engine and Propeller Area	CLEAR
Fuel Pump Switch	ON
Magneto/Starter Switch	START
Throttle	IDLE
Alternator Switch	ON
Oil Pressure, Ammeter	CHECK
Engine Instruments	CHECK
Fuel Pump Switch	OFF
Annunciator Lights	CHECK
Nav Lights	ON



Before Taxi Checklist

Nav Lights	ON
Taxi Lights	ON
Heading Indicator/Altimeter	SET

Taxi To Ramp

Flaps	RETRACT
Taxi Lights	ON
Landing Lights	OFF
Speed	Max. 20 knots
Throttle	AS REQUIRED
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Fuel Pump	OFF
Avionics Switch	OFF
Taxi Lights	OFF
Nav Lights	OFF
Pitot Heat	OFF
Mixture/Fuel Flow	CUTOFF
Fuel Selector Valve	OFF
Magneto/Starter Switch	OFF
Beacon/Strobe Light	OFF
Battery & Alternator Master Switches	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

Instruments
Radios and Avionics
Autopilot
Request Taxi Clearance

Taxi Checklist

Throttle
Mixture
Parking Brake
Brakes
Directional Gyro
Turn Coordinator
Artificial Horizon
Taxi to assigned runway

Before Take-off Checklist

Parking Brake
Fuel Quantity
Fuel Selector Valve
Throttle
Mixture
Alternator Switch
Throttle
Magnetos

Ammeter
Throttle
Oil Temperature
Elevator Trim
Flaps
Flight Controls
Radios and Avionics
Landing Lights
Pitot Heat
Transponder

Request Takeoff Clearance

NORMAL OPERATION
CHECKED and SET
SET and OFF

MIN. POWER
RICH
RELEASE
CHECK during taxi
PROPER IND. during turns
PROPER IND. during turns
ERECT during turns
SPEED Max. 20 knots

SET
CHECK
BOTH
IDLE
RICH
VERIFY ON
1800 RPM
CHECK
<150 RPM drop on each,
<50 RPM drop between
CHECK Positive charge ind.
IDLE
CHECK
SET for takeoff
SET 0-10 degrees
FREE AND CORRECT
SET
ON
ON
ON

Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	55 KIAS (decision)
Vr =	65 KIAS (rotate)
Pitch	10-15 degrees
At Positive Climb Rate	Touch Brakes
Trim for climb to maintain	75 KIAS
At 500' AGL	RETRACT Flaps if set
Engine Instruments	CHECK

Climb-out Checklist

Throttle	2300 RPM
Mixture	RICH
Autopilot	CHECK and SET
Taxi Lights	OFF
Landing Lights	OFF
Airspeed	80 KIAS 2300 RPM
Climb Rate	700 fpm
<i>ATC</i>	<i>AS REQUIRED</i>

Cruise Checklist

Accelerate to cruise speed	110 KIAS 2500 RPM
Engine+Instruments	CHECK
Engine Temperatures	STABILIZE at cruise cond.
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
Lights	as required
Engine Instruments	CHECK

Descent Checklist

Atis/Airport Information	CHECK
Fuel Selector	BOTH
Altimeter	CHECK
Radios	SET
Descent Speed	100 KIAS 2000 RPM
Descent Rate	-700 fpm
Flaps	CHECK UP

Approach Checklist

Localizer Level Flight :

Fuel Pump	ON
Speed: Establish	85 KIAS 2100 RPM
Landing Lights	ON
Flaps	10 degrees
Speed: Establish	80 KIAS 2100 RPM
Flaps	20 degrees 2300 RPM
Turning toward runway: set flaps	FULL DOWN

Final Glideslope Descent :

Mixture	RICH (on final)
Speed: Establish	75 KIAS 2100 RPM
Descent Rate	-400 fpm
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF

Landing Checklist

Autopilot	OFF
Landing Speed	65 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Brakes	MINIMUM REQUIRED