



# Cessna 172 SP

*„old style cockpit“*

## Microsoft Flight Simulator X

Aircraft : Default Cessna 172SP

Panel : Default Cessna 172SP



Werner Schott  
Switzerland  
w.schott@abbts.ch



## 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
Panel Lights	ON if required
Flight controls	CHECK
Flaps	UP
Fuel Quantity	CHECK
Fuel Selector	BOTH
Avionics Switch	ON
Check Weather	(Atis, Flight Services)
<b>Request Clearance</b>	
Transponder	STANDBY
Beacon	ON

## Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	OPEN 1/4 INCH
Mixture	RICH
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

## Before Taxi Checklist

Nav Lights	ON
Taxi Lights	ON
Heading Indicator/Altimeter	SET



## Taxi To Ramp

Strobe Light	OFF
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
Magneto/Starter Switch	OFF
Beacon	OFF
Panel Light	OFF
Battery Switch	OFF
Alternator Switch	OFF

## Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

Instruments  
Radios and Avionics  
Autopilot  
*Request Taxi Clearance*

## Taxi Checklist

Parking Brake	RELEASE
Taxi to assigned runway	SPEED Max. 20 knots
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns

## Before Take-off Checklist

Parking Brake	SET
Fuel Quantity	CHECK
Fuel Selector Valve	BOTH
Throttle	IDLE
Mixture	RICH
Alternator Switch	VERIFY ON
Throttle	1800 RPM
Magnetos	CHECK
	<150 RPM drop on each,
	<50 RPM drop between
	CHECK Positive charge ind.
Ammeter	IDLE
Throttle	CHECK
Oil Temperature	SET for takeoff
Elevator Trim	SET 0-10 degrees
Flaps	FREE AND CORRECT
Flight Controls	SET
Radios and Avionics	ON
Landing Lights	OFF
Taxi Lights	ON
Strobe Light	ON
Pitot Heat	ON
Transponder	ON
	<i>Request Takeoff Clearance</i>



## Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	55 KIAS (descision)
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
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
Check Weather	(ATIS, Flight Services)

## Approach Checklist

### *Localizer Level Flight :*

Landing Lights	ON
Fuel Pump	ON
Speed: Establish	85 KIAS      2100 RPM
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
Parking Brake	VERIFY OFF

## Landing Checklist

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