

Cessna 172 SP

Microsoft Flightsimulator 2002

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



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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)
<i>Request Clearance</i>	
Transponder	SET
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	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 and Securing Aircraft Checklist

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

Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF

Request Taxi Clearance

Taxi Checklist

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

Before Take-off Checklist

Parking Brake	SET
Pitot Heat	ON
Landing Lights	ON
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
Ammeter	CHECK Positive charge ind.
Throttle	IDLE
Oil Temperature	CHECK
Elevator Trim	SET for takeoff
Flaps	SET 0-10 degrees
Flight Controls	FREE AND CORRECT
Radios and Avionics	SET

Request Takeoff Clearance

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
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	120 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 2200 RPM
Descent Rate	-400 fpm
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF

Landing Checklist

Autopilot	OFF
Landing Speed	70 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Brakes	MINIMUM REQUIRED