C172SP GROUND PROCEDURES

DISPATCH

Weather	**BRIEF**
NOTAMs	**CHECK**
W&B	**CHECK**
Perf. Reqs.	**CHECK**
Squawks	**CHECK**
IMSAFE	**CHECK**
Devices	**CHARGED**

PASSENGER BRIEF

PIC	
Ramp Safety	
Flight Plan	
Seatbelts	
Air Vents	
Sick Bags	
Fire Extinguisher	
Exits	
Traffic and Talking	
Questions	

INSPECTION

AV1ATE	**CHECK**
Fuel	**STICK**
AROW	**CHECK**
Scout	**SETUP**
Avionics	**OFF**
Master	**ON**
Fuel Gauge	**TRUE**
Flaps	**EXTEND**
Electrics	**TEST**
Electrics	**OFF**
Master	**OFF**
Oil	**6-8 QTS**
Fuel	**DRAIN**
Exterior	**CHECK**
Ties	**REMOVE**
Baggage	**CHECK**
Walkaround	**EXECUTE**
Seat	**ADJUST**

START

Passengers	**BRIEF**
Seatbelts	**CHECK**
iPad	**CONN SCOUT**
ForeFlight	**START REC**
Circuit Breakers	**CHECK**
Alt. Static	**CHECK**
Fuel Shutoff	**IN**
Fuel Selector	**BOTH**
Brakes	**SET**
Master	**BATT ON**
Avionics	**FAN**
Avionics	**OFF**
Beacon	**ON**

HOT: SKIP PRIME

Throttle	**1"**
Mixture	**RICH**
Fuel Pump	**ON**
Fuel Pump	**OFF**

END PRIME

Mixture	**IDLE C/O**
Throttle	**SLIGHT**
Clear Prop	**ANNOUNCE**
Mags	**START**
Mixture	**BEST POWER**
Throttle	**1000 RPM**
Oil Pressure	**CHECK**
Master	**ALT ON**
Mixture	**LEAN**
Flaps	**UP**
Lights	**ON**
Avionics	**ON**
Radios	**SET**
ATIS	**GET**
Barometer	**SET**
XPDR	**SET**

TAXI

Brakes	**TEST**
Controls	**WIND**
Taxi Turns	**EXECUTE**

RUNUP

Brakes	**SET**
Controls	**CORRECT**
Flight Inst.	**CHECK**
Fuel	**BOTH**
Autopilot	**CHECK**
Trim	**TAKEOFF**
GPS/NAV	**CONFIG**
Heading Bug	**SET**
Radios	**SET**
XPDR	**SET**
Mixture	**BEST POWER**
Throttle	**1800 RPM**
Annunciators	**CHECK**
Vacuum	**CHECK**
Amps/Volts	**CHECK**
Oil	**CHECK**
Mags	**CHECK**
Throttle	**1000 RPM**
Throttle Friction	**SET**

SWITCH TO FLIGHT

SHUTDOWN

XPDR	**SET**
Brakes	**SET**
Electrical	**OFF**
Avionics	**OFF**
Mixture	**IDLE C/O**
Mags	**OFF**
Master	**OFF**
Fuel	**LEFT**
ForeFlight	**STOP REC**
Flight Plan	**CLOSE**

SECURING

Scout	**REMOVE**
Control Lock	**SET**
Hobbs/Tach	**NOTE**
Squawks	**NOTE**
Sun Shade	**REPLACE**
Pitot Cover	**REPLACE**
Ties	**TIE**
Doors	**LOCK**

FIRE ON START

IF START

Run	**5 sec**
Mixture	**IDLE C/O**
Evacuate	**GO**

IF NO START

Crank	**CONTINUE**
Mixture	**IDLE C/O**
Throttle	**FULL**
Fuel Shutoff	**OUT**
Evacuate	**GO**

TAKEOFF BRIEF

Runway . . . . **CHECK**
HI . . **SET TO COMPASS**
Crosswind . . . . . . **CHECK**
Abort Speed . . . . . . **NOTE**
Technique . . . . **NOTE**
Flaps . . . . **SET**
Min. Ret. Alt. . . . . . **NOTE**
Best Glide **60-70**
Time . . . . **NOTE**
Mixture . . **BEST POWER**

CLIMB

Flaps . . . . **UP**
Mixture . . . . . . **LEAN >3k**
HI . . **SET TO COMPASS**
Engine Inst. . . . . . **CHECK**

PRE-DESCENT

HI . . **SET TO COMPASS**
Engine Inst. . . . . . **CHECK**
ATIS . . . . **GET**
Barometer . . . . **SET**
Tower . . . . **CONTACT**
Fuel . . . . **BOTH**
Mixture . . . . **ENRICH**
Lights . . . . **ON**

AFTER LANDING

Flaps . . . . **UP**
Trim . . . . **TAKEOFF**
Mixture . . . . **LEAN**
Taxi Diag. . . . . **OPEN**

TAKEOFF CFGS

NORMAL

Flaps . . . . **UP**
Rotate **55**
Climb **74**

SHORT

Flaps **10**
Brakes . . . . **SET**
Climb . . . . **56 TO 50'**
Flaps . . . . **UP**

SOFT

Flaps **10**
Nosewheel . . . . **LIGHT**
Ground Effect **60**

Climb **65**
Flaps . . . . **UP**

APPROACH CFGS

NORMAL/SOFT

Flaps . . . . **FULL**
Speed **65**

SHORT

Flaps . . . . **FULL**
Speed **60**

LOW VOLTAGE

Power . . . . **GT 1000 RPM**
Lights/Pitot . . . . **OFF**
Avionics . . . . **OFF**
Master . . . . **ALT OFF**
Alt . . . . **CHECK**
Master . . . . **ALT ON**
Avionics . . . . **ESSENTIAL**
Lights/Pitot . **ESSENTIAL**
Flight . . . . . . **TERMINATE**

CYCLE ONCE ONLY

OVERVOLTAGE

Master . . . . **ALT OFF**
Alt . . . . **PULL**
Avionics . . . . **OFF**
Lights/Pitot . . . . **Essential**
Flight . . . . . . **TERMINATE**

ENGINE FAILURE

Best Glide **60-70**
Landing Site . . . . **FIND**
Fuel Shutoff . . . . **ON**
Throttle . . . . **HALF**
Throttle . . . . **FULL**
Mixture . . . . **VARY**
Fuel Pump . . . . **ON**
Mags . . . . . . **TEST BOTH**

IF NO RESTART

Squawk **7700**
Emergency . . **DECLARE**
Fuel Shutoff . . . . **OUT**
Mixture . . . . **IDLE C/O**
Mags . . . . **OFF**
Master . . . . **OFF**
Doors . . . . **UNLATCH**
Landing . . . . . . **EXECUTE**

ENGINE FIRE

Mixture . . . . **IDLE C/O**
Fuel Shutoff . . . . **OUT**
Master . . . . **OFF**
Cabin Air . . . . **CLOSE**
Vents . . . . **OPEN**
Speed . . . . . . **INCREASE**
Flight . . . . . . **TERMINATE**

ELECTRICAL FIRE

Master . . . . **OFF**
Vents/Air . . . . **CLOSE**
Extinguisher . . . . **USE**
Vents . . . . **OPEN**
Breakers . . . . **CHECK**
Master . **ON IF CRITICAL**
Flight . . . . . . **TERMINATE**