C172SP GROUND PROCEDURES

DISPATCH

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

INSPECTION

Fuel .... **DRAIN, CHECK**
AV1ATE .... **CHECK**
AROW .... **CHECK**
Avionics .... **OFF**
Master .... **ON**
Fuel Gauge .... **TRUE**
Flaps .... **EXTEND**
Electrics .... **TEST**
Electrics .... **OFF**
Master .... **OFF**
Oil .... **6-8 qts**
Exterior .... **CHECK**
Ties/Chocks ... **REMOVE**
Baggage .... **CHECK**
Walkaround .. **EXECUTE**
Seat .... **ADJUST**

START

Passengers ...... **BRIEF**
Seatbelts .... **CHECK**
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 .... **RICH**

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 Diag. .... **OPEN**

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 .... **RICH**
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**
Flight Plan ...... **CLOSE**

SECURING

Control Lock .... **SET**
Hobbs/Tach .... **NOTE**
Squawks .... **NOTE**
Sun Shade ... **REPLACE**
Pitot Cover ... **REPLACE**
Wheels .... **CHOCK**
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**

C172SP FLIGHT PROCEDURES

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 . . . . **RICH**

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**

SWITCH TO GROUND

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**