

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

IF NO START

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

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**

AIRPORT INFO

KPAO

ATIS **135.27**
 Ground **125.0**
 Tower **118.6**
 Runway **13/31**
 TPA Bay **800'**
 TPA Land **1000'**

KSQL

ATIS **125.9**
 Ground **121.6**
 Tower **119.0**
 Runway **12/30**
 TPA **800'**

KHWD

ATIS **126.7**
 Ground **121.4**
 Tower **120.2**
 Runway **10LR/28LR**
 TPA Bay **650'**
 TPA Land **850'**

KOAK

ATIS **133.77**
 N. Ground **121.9**
 N. Tower **118.3**
 S. Tower **127.2**
 Runway **10LR/28LR**
 TPA Bay **600'**
 TPA Land **1000'**