

PA28R GROUND PROCEDURES

DISPATCH

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

PASSENGER BRIEF

PIC **NOTE**
Ramp Safety **NOTE**
Flight Plan **NOTE**
Seatbelts **NOTE**
Air Vents **NOTE**
Sick Bags **NOTE**
Fire Extinguisher . **NOTE**
Exits **NOTE**
Traffic & Talking ... **NOTE**
Questions **NOTE**

INSPECTION

AV1ATE **CHECK**
AROW **CHECK**
Flaps **EXTEND**
Gear Lever **DOWN**
Master **ON**
Gear Lights **GREEN**
Electrics **TEST**
Fuel Gauges **TRUE**
Master **OFF**
Fuel **INSPECT**
Fuel **DRAIN**
Oil **6-8 QT**
Exterior **CHECK**
Ties/Chocks ... **REMOVE**
Baggage **CHECK**
Walkaround .. **EXECUTE**
Seat **ADJUST**

START

Passengers **BRIEF**
Seatbelts **CHECK**
Flaps **UP**
iPad **CONN SCOUT**
ForeFlight .. **START REC**
Fuel **BEST TANK**
Circuit Breakers . **CHECK**
Alternate Static . **CHECK**
Autopilot **OFF**

Prop .. **FULL FORWARD**
Throttle **SLIGHT**
Brakes **SET**
Prop **CLEAR**
Master **ON**
Beacon **ON**
Fuel Pump **ON**

HOT: SKIP PRIME

Mixture **FULL RICH**
Fuel Flow **OBSERVE**
Mixture **IDLE C/O**

END PRIME

Mags **START**
Mixture **FULL RICH**
Throttle **1000 RPM**
Oil Pressure **CHECK**
Mixture **LEAN**
Fuel Pump **OFF**
Fuel Pressure ... **CHECK**
Lights **ON**
Radios **SET**
ATIS **GET**
Barometer **SET**
XPDR **SET**

TAXI

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

RUNUP

Brakes **SET**
Fuel **BEST TANK**
Trim **TAKEOFF**
Controls **CORRECT**
Flight Inst. **CHECK**
Annunciators **TEST**
Alternate Air ... **CHECK**
Autopilot **CHECK**
GPS **CONFIG**
Heading Bug **SET**
Radios **SET**
XPDR **SET**
Mixture .. **BEST POWER**
Throttle **2000 RPM**
Mags **CHECK**
Prop **CHECK 3X**
Prop .. **FULL FORWARD**
Vacuum **CHECK**

Fuel Pressure ... **CHECK**
Oil **CHECK**
Throttle **CHECK**

SWITCH TO FLIGHT

SHUTDOWN

XPDR **SET**
Brakes **SET**
Electrical **OFF**
Prop .. **FULL FORWARD**
Throttle **IDLE**
Mixture **IDLE C/O**
Mags **OFF**
Master **OFF**
Fuel **RIGHT**
ForeFlight ... **STOP REC**
Flight Plan **CLOSE**

SECURING

Hobbs/Tach **NOTE**
Yoke **SECURE**
Ties/Chocks .. **REPLACE**
Pitot Cover ... **REPLACE**
Cover **REPLACE**
Cabin Door **LOCK**
Baggage Door **LOCK**

FIRE ON START

IF NOT STARTED

Mixture **IDLE C/O**
Throttle **OPEN**
Mags **START**

IF STARTED

Run **5 SEC**
Mixture **IDLE C/O**
Fuel **OFF**
Evacuate **GO**
Fire **EXTINGUISH**

PA28R 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 **105**
 Timer **START**
 Mixture .. **BEST POWER**
 Window **CLOSED**
 Fuel Pump **ON**

CLIMB

Speed **110**
 Power **25 SQ**

PRE-LANDING

HI .. **SET TO COMPASS**
 Engine Inst. **CHECK**
 Seatbelts **CHECK**
 ATIS **GET**
 Barometer **SET**
 Tower **CONTACT**
 Fuel **BEST TANK**
 Fuel Pump **ON**
 Mixture **ENRICH**
 Prop .. **FULL FORWARD**
 Gear **DOWN**
 Lights **ON**

AFTER LANDING

Flaps **UP**
 Fuel Pump **OFF**
 Strobes **OFF**
 Landing Light **OFF**
 Trim **TAKEOFF**
 Taxi Diagram **OPEN**

SWITCH TO GROUND

TAKEOFF CFGS

NORMAL

Flaps **UP**
 Rotate **65**
 Climb **95**

SHORT

Flaps **25°**
 Rotate **60**

Climb **85**
 Flaps **RETRACT**

SOFT

Flaps **25°**
 Rotate **ASAP**
 Accelerate **TO 85**
 Climb **85**
 Flaps **RETRACT**

APPROACH CFGS

NORMAL/SOFT

Speed **80**

SHORT

Speed **75**

ALT. FAILURE

Load **REDUCE**
 Alt. Breaker **CHECK**
 Alt. **OFF 1S**
 Alt. **ON**
 Flight **TERMINATE**

ENGINE FAILURE

Best Glide **105**
 Landing Site **FIND**
 Fuel **OTHER TANK**
 Fuel Pump **ON**
 Mixture **RICH**
 Alternate Air **ON**
 Engine Gauges .. **CHECK**
 Mags **L/R/BOTH**
 Throttle **TRY**
 Mixture **TRY**

IF NO RESTART

Squawk **7700**
 Emergency .. **DECLARE**
 Prop **FULL BACK**
 Throttle **IDLE**
 Master **OFF**
 Mags **OFF**
 ELT **ON**
 Fuel Selector **OFF**
 Mixture **IDLE C/O**
 Door **UNLATCH**
 Landing **EXECUTE**

PROP OVERSPEED

Throttle ... **BELOW 2700**
 Oil Pressure **CHECK**

Prop .. **FULL FORWARD**
 Airspeed **REDUCE**

MANUAL GEAR EXT.

Airspeed ... **BELOW 100**
 Gear Lever **DOWN**
 Emgy. Gear Lever **DOWN**
 Yaw **IF NECESSARY**

ENGINE FIRE

Fuel **OFF**
 Mixture **IDLE C/O**
 Throttle **IDLE**
 Heater **OFF**
 Airspeed ... **INCREASE**
 Flight **TERMINATE**

ELECTRICAL FIRE

Master **OFF**
 Cabin Heat **OFF**
 Vents **OPEN**
 Flight **TERMINATE**

IMPORTANT NUM.

V_{so} **64**
 V_s **71**
 V_{rotate} **65**
 V_x **85**
 V_{x-r} **96**
 V_y **95**
 V_{y-r} **100**
 V_{fe} **125**
 V_a **131**
 V_{no} **170**
 V_{ne} **214**
 V_{le} **150**
 V_{lo} **125**
 Best Glide **105**
 Max Gross **2650**
 Max Crosswind **17**
 Fuel **50**
 Fuel_{usable} **48**