

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/SHORT

Speed **80**
 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**