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 Selector .. **PROPER TANK**
Circuit Breakers . **CHECK**
Alternate Static . **CHECK**

Autopilot .... **OFF**
Prop .. **FULL FORWARD**
Throttle .... **SLIGHT**
Brakes .... **SET**
Prop .... **CLEAR**
Master .... **ON**
Beacon .... **ON**
Electric 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 CLOSED**

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 . . . . **TODO**
Timer . . . . **START**
Mixture . . **BEST POWER**

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**
Prop . . . . . . **FULL BACK**
Throttle . . . . **IDLE**
Master . . . . **OFF**
Mags . . . . **OFF**
Flaps . . . . . **AS DESIRED**
Fuel . . . . **OFF**
Mixture . . . . . . **IDLE C/O**
Gear . . . **LOCK IF WANT**

IF NO RESTART

Squawk **7700**
Emergency . . **DECLARE**
Prop . . . . **LOW RPM**
ELT . . . . **ON**
Fuel Selector . . . . **OFF**
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**