

## 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**  
Fuel ..... **STICK**  
Oil ..... **2-8 QT**  
Exterior ..... **CHECK**  
Ties ..... **REMOVE**  
Baggage ..... **CHECK**  
Walkaround .. **EXECUTE**  
Seat ..... **ADJUST**

### START

Passengers ..... **BRIEF**  
Seatbelts ..... **CHECK**  
iPad ..... **CONN SCOUT**  
ForeFlight .. **START REC**  
Parking Brake ..... **ON**  
Prop .. **FULL FORWARD**  
Fuel Selector .. **TO TANK**  
Throttle ..... **1/2"**  
Master ..... **ON**  
Beacon ..... **ON**  
Electric Fuel Pump .. **ON**

### HOT: SKIP PRIME

Mixture ..... **FULL RICH**  
Fuel Flow .... **OBSERVE**

### END PRIME

Mixture ..... **IDLE C/O**

Mags ..... **START**  
Mixture ..... **FULL RICH**  
Throttle ..... **800 RPM**  
Oil Pressure .... **CHECK**  
Mixture ..... **LEAN**  
Lights ..... **ON**  
Avionics ..... **ON**  
Radios ..... **SET**  
ATIS ..... **GET**  
Barometer ..... **SET**  
XPDR ..... **SET**

### TAXI

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

### RUNUP

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

### SWITCH TO FLIGHT

### SHUTDOWN

XPDR ..... **SET**  
Brakes ..... **SET**  
Electrical ..... **OFF**  
Avionics ..... **OFF**  
Prop .. **FULL FORWARD**  
Throttle ..... **IDLE**  
Mixture ..... **IDLE C/O**  
Mags ..... **OFF**  
Master ..... **OFF**

Fuel ..... **LEFT**  
ForeFlight ... **STOP REC**  
Flight Plan ..... **CLOSE**

### SECURING

TODO ..... **TODO**

### 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

TODO ..... **TODO**

## PRE-DESCENT

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

## AFTER LANDING

Taxi Diag. .... **OPEN**

## SWITCH TO GROUND

### TAKEOFF CFGS

#### NORMAL

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

#### SHORT

Flaps ..... **25°**  
 Rotate ..... **60**  
 Climb ..... **85**  
 Flaps ..... **SLOWLY**

### RETRACT

#### SOFT

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

## APPROACH CFGS

### NORMAL

Speed ..... **90**  
 Flaps ..... **FULL**

### SOFT

TODO ..... **TODO**

### SHORT

TODO ..... **TODO**

### LOW VOLTAGE

Load ..... **REDUCE**  
 Alt. Breakers ... **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**

## PROP OVERSPEED

Throttle ..... **RETARD**  
 Oil Pressure ... **CHECK**  
 Prop ..... **FULL BACK**  
 Airspeed ..... **REDUCE**  
 Throttle . **BLW 2700 RPM**

## IF NO RESTART

Squawk ..... **7700**  
 Emergency .. **DECLARE**  
 Landing ..... **EXECUTE**

## ENGINE FIRE

Fuel ..... **OFF**

Throttle ..... **IDLE**  
 Mixture ..... **IDLE C/O**  
 Heater ..... **OFF**  
 Defroster ..... **OFF**  
 Flight ..... **TERMINATE**

## ELECTRICAL FIRE

Master ..... **OFF**  
 Vents ..... **OPEN**  
 Cabin Heat ..... **OFF**  
 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 .....  
 Fuel ..... **50**  
 Fuel<sub>usable</sub> ..... **48**

## PA28R EXTERIOR

### COCKPIT

Master ..... **OFF**  
Ignition ..... **OFF**  
Landing Gear Selector ..... **DOWN**  
Control Lock (seatbelt?) ..... **REMOVE**

### FUSELAGE

Tow Bar ..... **STOW**  
Baggage ..... **LOCK**

### RIGHT WING TRAILING EDGE

Damage ..... **INSPECT**  
Flap ..... **CHECK MOVEMENT**  
Aileron ..... **CHECK MOVEMENT**

### RIGHT WING LEADING EDGE

Fuel ..... **STICK**  
Fuel Cap ..... **SECURE**  
Fuel Sump ..... **DRAIN**  
Landing Gear Struts ..... **2"**  
Hydraulic Lines ..... **CHECK**  
Landing Gear Cylinders ..... **CHECK**  
Tires ..... **CHECK**  
Brakes ..... **CHECK**

### NOSE

Windsheild ..... **INSPECT**  
Propeller ..... **CHECK**  
Spinner ..... **CHECK**  
Fuel ..... **CHECK LEAKS**  
Oil ..... **2-8 QT**  
Cowling ..... **CHECK COVERS**  
Nose Wheel ..... **CHECK INFLATION**  
Nose Gear Shock ..... **3"**  
Hydraulic Lines ..... **CHECK**  
Landing Gear Cylinder ..... **CHECK**  
Air Inlet ..... **CHECK CLEAR**

### LEFT WING LEADING EDGE

Fuel ..... **STICK**  
Fuel Cap ..... **SECURE**  
Fuel Sump ..... **DRAIN**  
Landing Gear Struts ..... **2"**  
Hydraulic Lines ..... **CHECK**  
Landing Gear Cylinders ..... **CHECK**  
Tires ..... **CHECK**  
Brakes ..... **CHECK**

### LEFT WING TRAILING EDGE

Damage ..... **INSPECT**  
Flap ..... **CHECK MOVEMENT**  
Aileron ..... **CHECK MOVEMENT**

### EMPENNAGE

Damage ..... **INSPECT**  
Flap ..... **CHECK MOVEMENT**  
Aileron ..... **CHECK MOVEMENT**