



**PA-28R
PIPER ARROWII
NORMAL CHECKLISTS**

PREFLIGHT: CABIN

REGISTRATION/AIRWORTHINESS CERTIFICATE	CHECK
POH.....	ACCESSIBLE TO PILOT
WEIGHT AND BALANCE	CHECK/COMPLETE
RADIOS/JPI BREAKER/TX.....	OFF
CONTROL WHEEL LOCK	REMOVE
MASTER.....	OFF
MAGS	OFF
ANTI-COLLISION	ON
GEAR	DOWN
EMERGENCY HANDLE.....	AS REQUIRED
THROTTLE.....	IDLE
PROP	FULL FORWARD
MIXTURE	IDLE
FLAPS	UP
FUEL SELECTOR	AS REQUIRED
TRIM	T/O
ALTERNATE STATIC.....	TEST
HOBBS & TACH.....	RECORD
MASTER.....	ON
GEAR LIGHTS.....	3 GREEN
FLAPS	DOWN
FUEL GUAGE	CHECK
LIGHTS.....	ON
PARKING BREAK.....	SET
360 WALKAROUND	COMPLETE
MASTER.....	OFF

EMPENAGE

GEAR EXTENSION PITOT MAST.	CLEAR
WINDOWS	CLEAN
STABILATOR	INSPECT
TAIL & TIEDOWN & HOOK	REMOVED
RUDDER/ VERTICAL STAB	INSPECT
STATIC WICK	INSPECT
LIGHTS	INSPECT
VOR ANTENNA (2)	INSPECT
STABILATOR TRIM TAB	INSPECT
ELT ANTENNA	INSPECT
ANTENNAS	INSPECT
WINDOWS	CLEAN
BAGGAGE DOOR	CLOSED

RIGHT WING

FLAP	INSPECT
AILERON	INSPECT
WINGTIP	INSPECT
LIGHTS.....	INSPECT
LEADING EDGE	INSPECT
TIRE (ROLL BACK)	INSPECT
TIEDOWN	REMOVED
FUEL TANK VENT	INSPECT
SUMP (1)	DRAIN
STRUT.....	INSPECT
WHEEL WELL.....	CLEAR
J-HOOK.....	INSPECT
DOWN LIMIT SWITCH.....	INSPECT
BRAKES.....	INSPECT
OVERALL GEAR CONDITION.....	CHECK
WINDOWS	INSPECT
VENTS.....	INSPECT
FUEL QUANTITY	CHECK
FUEL FILLER CAP	SECURE
TOP OF WING	INSPECT

NOSE

OIL QUANTITY	CHECK/6+ QUARTS
WINDSCREEN.....	INSPECT
CABIN AIR INTAKE.....	INSPECT
NOSE STRUT	INSPECT
WHEEL WELL.....	INSPECT
J-HOOK.....	INSPECT
DOWN LIMIT SWITCH.....	INSPECT
GEAR DOORS	INSPECT
TIRE (ROLL BACK)	INSPECT
ENGINE COOLING INLETS.....	INSPECT
ALTERNATOR BELT	INSPECT
PROP/SPINNER	INSPECT
INTAKE/AIR FILTER.....	INSPECT
COWLING	INSPECT
SUMPS (1).....	DRAIN

LEFT WING

VENTS.....	INSPECT
FUEL QUANTITY	CHECK
FUEL FILLER CAP.....	SECURE
TOP OF WING	INSPECT
TIRE (ROLL BACK)	INSPECT
TIE DOWN.....	REMOVE
STRUT.....	INSPECT
WHEEL WELL.....	CLEAR
J-HOOK.....	INSPECT
DOWN LIMIT SWITCH.....	INSPECT
BRAKES.....	INSPECT
OVERALL GEAR CONDITION.....	CHECK
STALL VANE	INSPECT
FUEL TANK VENT.....	INSPECT
FUEL SUMP (1)	DRAIN
PITOT TUBE.....	INSPECT
LEADING EDGE	INSPECT
LAND/TAXI LIGHT.....	INSPECT
WINGTIP	INSPECT
STROBE/NAV	INSPECT
AILERON	INSPECT
FLAP	INSPECT
WINDOWS...	INSPECT

ENGINE START

PREFLIGHT	COMPLETE
PASSENGER/CREW BRIEFING.....	COMPLETE
SEATBELTS	ON
SEATS	SET/LOCKED
FUEL SELECTOR	AS REQUIRED
MIXTURE	RICH
PROPELLER	FULL FORWARD
THROTTLE	¼ INCH OPEN
ANTI-COLLISION	ON
CIRCUIT BREAKERS.....	IN
PARKING BRAKE.....	SET
AVIONICS.....	OFF
MASTER.....	ON
PRIME.....	COMPLETE
PROP AREA	CLEAR
STARTER.....	ENGAGE
THROTTLE	1000 RPM
OIL PRESSURE	CHECK
ENGINE INSTRUMENTS.....	CHECK
LIGHTS.....	AS REQUIRED
MIXTURE	LEAN

TAXI

AVIONICS.....	ON
RADIOS.....	ON
ATIS.....	COPY
CLEARANCE.....	OBTAIN
FLIGHT INSTRUMENTS.....	CHECK
INSTRUMENT/ICC	COMPLETE
TRANSPOUNDER	TEST/STANDBY
FLAPS	UP
PARKING BRAKE.....	RELEASE
BRAKES.....	CHECK

RUN UP

PARKING BRAKE.....	SET
FLIGHT CONTROLS.....	FREE AND CORRECT
FUEL QUANTITY	CHECK
ENGINE INSTRUMENTS.....	CHECK
MIXTURE	RICH
FUEL PUMP.....	TEST
TRIM	TAKEOFF
FUEL SELECTOR	AS REQUIRED
THROTTLE	2000 RPM
ENGINE INSTRUMENTS.....	CHECK
AMMETER	CHECK
MAGS	CHECK
PROP	CYCLE
ALTERNATE AIR.....	ON
THROTTLE	IDLE
ALTERNATE AIR.....	OFF
THROTTLE	1000 RPM
MIXTURE	LEAN
MAGS	CHECK BOTH

TAKEOFF

PRE T/O BRIEF.....	COMPLETE
SEATBELTS	VERIFY ON
WINDOWS/DOORS	CLOSED AND LATCHED
FLAPS	SET
FUEL SELECTOR	AS REQUIRED
TRIM	SET FOR TAKEOFF
COMMS, NAVS, FLIGHT INSTRUMENTS	SET
T/O CLEARANCE	OBTAIN
PARKING BRAKE.....	RELEASE
LIGHTS.....	ON
AUX FUEL PUMP	ON
MIXTURE	FULL RICH
TRANSPOUNDER	ALT
POSITIVE RATE/NO RUNWAY REMAINING	GEAR UP
500 FT.....	100MPH
POWER.....	25"/2500 RPM

CLIMB 1000 FT

LIGHTS AS NEEDED
GEAR UP
POWER SET
MIXTURE LEAN
FLAPS UP

CRUISE

LIGHTS OFF
POWER SET
MIXTURE LEAN

BEFORE LANDING/DESCENT

SEAT BELTS ON
APPROACH BRIEF COMPLETE
ATIS COPY
LIGHTS ON
GEAR AS REQUIRED
THROTTLE AS REQUIRED
MIXTURE RICH
FUEL SELECTOR AS REQUIRED

DOWNTWIND, 1000', FAF, OR COURSE INTERCEPT

FUEL SELECTOR AS REQUIRED
GEAR DOWN
MIXTURE RICH
PROP FULL FORWARD ON FINAL
GUMP CHECK COMPLETE 3 TIMES

AFTER LANDING

LIGHTS	AS REQUIRED
THROTTLE	1000
MIXTURE	LEAN
FLAPS	UP
TRANSPOUNDER	STANDBY
TRIM	SET FOR TAKEOFF

SHUTDOWN

RAMP IN (122.9)	COMPLETE
RADIOS/JPI BREAKER/TX.....	OFF
THROTTLE	1000
MIXTURE	IDLE CUT OFF
THROTTLE	CLOSE
LIGHTS	OFF
MASTER.....	OFF
MAGS	OFF

SECURE

HOBBS/TACH	RECORDED
CLEAN COCKPIT.....	VERIFIED
DOORS	SHUT/LOCKED
TIED DOWN	3-POINT
360 WALK AROUND	COMPLETE



**PA-28R
PIPER ARROWII
EMERGENCY/ABNORMAL
CHECKLISTS**

ENGINE FAILURE BEFORE V_r

THROTTLES	IDLE
BRAKES.....	APPLY
WING FLAPS	RETRACT
MIXUTRE	IDLE CUTOFF
IGNITION SWITCH	OFF
MASTER SWITCH.....	OFF

ENGINE FAILURE AFTER V_r RWY REMAINING

AIRSPEED	80MPH
GEAR	DOWN
MIXTURE	IDLE CUT-OFF
MAGS	OFF
FUEL SELECTOR	OFF
FLAPS	AS REQUIRED
EMERGENCY	DECLARE
MASTER SWITCH.....	OFF
CABIN DOOR.....	UNLATCH
LAND	STRAIGHT AHEAD
BRAKES.....	APPLY

ENGINE FAILURE NO RUNWAY REMAINING BELOW 500'

AIRSPEED..... 105MPH
BEST PLACE TO LAND IDENTIFIED
GEAR AS REQUIRED
MIXTURE IDLE CUT-OFF
MAGS OFF
FUEL SELECTOR OFF
FLAPS AS REQUIRED
EMERGENCY DECLARE
MASTER SWITCH..... OFF
CABIN DOOR..... UNLATCH
LAND STRAIGHT AHEAD

ENGINE FAILURE NO RWY REMAINING/ABOVE 500'

AIRSPEED..... 105MPH
BEST PLACE TO LAND IDENTIFIED
RADIO TRANSMIT MAYDAY ON 121.5 MHZ
TRANSPONDER 7700
MAGS ON
AUX FUEL PUMP ON
MIXTURE RICH
FUEL SELECTOR VALVE SWITCH
MIXTURE RICH
MAGS BOTH/START

IF ENGINE DOESN'T START:

GEAR AS REQUIRED
MIXTURE IDLE CUT-OFF
MAGS OFF
FUEL SELECTOR OFF
FLAPS AS REQUIRED
EMERGENCY DECLARE
MASTER SWITCH..... OFF
CABIN DOOR..... UNLATCH

EMERGENCY LANDING WITHOUT ENGINE POWER

PASSENGER SEAT BACKS	UP
SEATS AND SEAT BELTS	SECURE
AIRSPEED.....	80MPH
GEAR	AS REQUIRED
MIXTURE	IDLE CUT-OFF
FUEL SELECTOR	OFF
MAGS	OFF
FLAPS	AS REQ (40 RECOMMENDED)
MASTER.....	OFF
DOORS	UNLATCH
TOUCHDOWN	SLIGHTLY TAIL LOW
BRAKES.....	APPLY HEAVILY

EMERGENCY LANDING WITH ENGINE POWER

PASSENGER SEAT BACKS	UP
SEATS AND SEAT BELTS	SECURE
AIRSPEED.....	80MPH
GEAR	DOWN
FLAPS	AS REQUIRED
SELECTED FIELD.....	FLY OVER
AVIONICS MASTER SWITCH AND ELECTRICAL.....	OFF
MASTER SWITCH.....	OFF
DOORS	UNLATCHED PRIOR TO TOUCHDOWN
TOUCHDOWN	SLIGHTLY TAIL LOW
BRAKES.....	APPLY HEAVILY

DITCHING

RADIO TRANSMIT MAYDAY ON 121.5 MHZ
TRANSPONDER 7700
HEAVY OBJECTS SECURE/JETTISON
SEAT BACKS UP
SEATS AND SEAT BELTS SECURE
GEAR UP
FLAPS FULL
POWER ESTABLISH 300FT/MIN DECENT AT 55 KIAS
HIGH WINDS/HEAVY SEAS INTO WIND
LIGHT WINDS/HEAVY SWELLS PARALLEL TO SWELLS
CABIN DOORS UNLATCH
TOUCHDOWN LEVEL ATTITUDE
FACE CUSHION AT TOUCHDOWN
ELT ACTIVATE
AIRPLANE EVACUATE
LIFE RAFTS AND VESTS INFLATE WHEN CLEAR OF A/C

ENGINE FIRE DURING START ON GROUND

MAGS/STARTER CONTINUE CRANKING

IF ENGINE STARTS:

POWER 1700 RPM FOR A FEW MINUTES
FIRE EXTINGUISHER OBTAIN
ENGINE SHUTDOWN AND INSPECT FOR DAMAGE

IF ENGINE FAILS TO START:

THROTTLE FULL OPEN
MIXTURE IDLE CUTOFF
CRANKING CONTINUE
FUEL SHUTOFF VALVE OFF (PULL OUT)
AUX FUEL PUMP SWITCH OFF
FIRE EXTINGUISHER OBTAIN
MASTER SWITCH OFF
MAGS OFF
PARKING BRAKE RELEASE
AIRPLANE EVACUATE
FIRE EXTINGUISH
FIRE DAMAGE INSPECT

ENGINE FIRE DURING FLIGHT

GEAR	AS REQUIRED
MIXTURE	IDLE CUT OFF
FUEL SHUTOFF VALVE	PULL OUT (OFF)
AUX FUEL PUMP SWITCH	OFF
MASTER SWITCH.....	OFF
CABIN HEAT/AIR	OFF
AIRSPEED.....	100 MPH
FORCED LANDING	EXECUTE
FIRE EXTINGUISHER.....	ACTIVATE AS REQUIRED

ELECTRICAL FIRE IN FLIGHT

GEAR	AS REQUIRED
MASTER SWITCH.....	OFF
VENTS, CABIN AIR,HEAT	CLOSED
FIRE EXTINGUISHER.....	ACTIVATE
ALL OTHER SWITCHES (EXCEPT IGNITION).....	OFF
VENTS/CABIN AIR/HEAT.....	OPEN
.....	WHEN FIRE IS COMPLETELY EXTINGUISHED
MASTER SWITCH.....	ON
CIRCUIT BREAKERS	CHECK FOR FAULTY CIRCUIT
.....	DO NOT RESET
RADIO SWITCHES	OFF
RADIO/ELECTRICAL SWITCHES.....	ON, ONE AT A TIME
.....	WITH DELAY UNTIL SHORT CIRCUIT IS LOCALIZED

CABIN FIRE

GEAR	AS REQUIRED
MASTER SWITCH.....	OFF
VENTS/CABIN AIR/HEAT.....	CLOSED
FIRE EXTINGUISHER.....	ACTIVATE
VENTS/CABIN AIR/HEAT.....	OPEN
.....	WHEN FIRE IS COMPLETELY EXTINGUISHED
LAND	AS SOON AS POSSIBLE

WING FIRE

LANDING/TAXI LIGHT SWITCHES OFF
NAV LIGHTS OFF
STROBE LIGHTS OFF
PITOT HEAT OFF
AIRSPEED INCREASE
LAND ASAP

LOAD METER EXCESSIVE

ALTERNATOR OFF
ALTERNATOR CB CHECK
ELECTRICAL LOAD REDUCE
LAND ASAP

LOW VOLTAGE

AVIONICS OFF
ALTERNATOR BRAKER IN
MASTER RECYCLE
LOW VOLTAGE LIGHT CHECK

IF LIGHT COMES BACK ON:

ALTERNATOR OFF
ELECTRICAL LOAD REDUCE
LAND ASAP

INADVERTENT ICING ENCOUNTER

PITOT HEAT ON
TURN BACK OR CHANGE ALTITUDE
DEFROSTER ON
THROTTLE FULL
BEST PRACTICAL LANDING SITE IDENTIFIED
FLAPS UP
WINDSHIED CLEAN
AIRSPEED 90 MPH
LAND LEVEL ATTITUDE

LANDING GEAR FAILS TO RETRACT

MASTER SWITCH.....ON
LANDING GEAR LEVER.....UP
LANDING AND GEAR PUMP CIRCUIT BREAKERSIN
GEAR UP LIGHTCHECK
LANDING GEAR LEVER.....RECYCLE
GEAR MOTORCHECK OPERATION

LANDING GEAR FAILS TO EXTEND

MASTER SWITCH.....ON
AIRSPEED..... BELOW 100MPH
LANDING GEAR LEVER.....DOWN
LANDING AND GEAR PUMP CIRCUIT BREAKERSIN
EMERGENCY EXTENSION LEVER.....PUSH DOWN
GEAR DOWN LIGHTSON

GEAR UP LANDING

LANDING GEAR LEVER.....UP
LANDING AND GEAR PUMP CIRCUIT BREAKERSIN
RUNWAYSELECT
FLAPSAS DESIRED
AIRSPEED.....80 MPH
DOORSUNLATCH
MASTER.....OFF
TOUCHDOWNSIGHTLY TAIL LOW
MIXTUREIDLE CUTOFF
MAGSOFF
FUEL SELECTOROFF
AIRPLANEEVACUATE

LANDING W/O INDICATION OF GEAR LOCKING

BEFORE LANDING CHECK.....COMPLETE
APPROACHNORMAL
LANDING AND GEAR PUMP CIRCUIT BREAKERSIN
TOUCHDOWNSIGHTLY TAIL LOW
BRAKINGMINIMUM
TAXISLOWLY
GEARINPECT AFTER SHUTDOWN

V SPEEDS MPH

VSO	64
VS.....	71
VR	65
VX	85
VY	105
VFE	125
VLO	125
VLE	150
VNO	170
VNE	214
VA 2650 LBS.....	131

THIS CHECKLIST IS NOT A SUBSTITUTE FOR THE AIRCRAFT'S PILOT OPERATING HANDBOOK.