



PA-28R
PIPER ARROW II
NORMAL CHECKLIST

PREFLIGHT: CABIN

REGISTRATION/AIRWORTHINESS CERTIFICATE.....CHECK
POHACCESSIBLE TO PILOT
WEIGHT AND BALANCECHECK/COMPLETE
CONTROL WHEEL LOCK REMOVE
MASTER OFF
MAGS OFF
ANTI-COLLISION ON
PARKING BRAKE SET
THROTTLE IDLE
PROPFULL FORWARD
MIXTURE IDLE
FLAPS DOWN
FUEL SELECTOR AS DESIRED
FUEL SHUTOFF VALVEIN
TRIM T/O
ALTERNATE STATIC TEST
HOBBS & TACH RECORD
MASTER ON
GEAR LIGHTS 3 GREEN
FUEL GAUGES CHECK
LIGHTSTEST
PARKING BRAKE SET
360 WALK AROUNDCOMPLETE
MASTER..... OFF

EMPENNAGE

GEAR EXTENSION PITOT MAST CLEAR
WINDOWS CLEAN
STABILATOR INSPECT
TAIL & TIE DOWN & 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
TIE DOWN.....	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	INSPECT
FUEL FILLER CAP	SECURE
TOP WING	INSPECT

NOSE

OIL QUANTITY	CHECK/6+ QUARTS
WINDSCREEN	INSPECT
CABIN AIR INTAKE	INSPECT
NOSE STRUT	INSPECT
WHEEL WELL	INSPECT
J HOOK	INSPECT
DOOR 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	INSPECT
FUEL FILLER CAP	SECURE
WING TOP	INSPECT
TIRE (ROLL BACK)	INSPECT
TIE DOWN	REMOVE
PITOT TUBE	INSPECT
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 SUMPS (1)	DRAIN
PITOT TUBE	INSPECT
LEADING EDGE	INSPECT
LAND/TAXI LIGHT	INSPECT
WINGTIP	INSPECT
STROBE/NAV	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 1/4 INCH OPEN
ANTI COLLISION ON
CIRCUIT BREAKERSIN
PARKING BRAKE SET
AVIONICS OFF
MASTER ON
PRIME COMPLETE
PROP AREA CLEAR
STARTER ENGAGE
THROTTLE 1000 RPM
OIL PRESSURE CHECK
ENGINE INSTRUMENTS CHECK
ANNUNCIATOR PANEL CHECK
LIGHTS AS REQUIRED
MIXTURE LEAN

TAXI

AVIONICS ON
RADIO ON
ATIS RECEIVE
CLEARANCE OBTAIN
FLIGHT INSTRUMENTS CHECK
INSTRUMENT/ICC COMPLETE
TRANSPONDER STANDBY
FLAPS UP
PARKING BRAKE RELEASE
BRAKES CHECK

RUN UP

PARKING BRAKE SET
FLIGHT CONTROLS FREE AND CORRECT
FUEL QUANTITY..... CHECK
ENGINE INSTRUMENTS CHECK
FUEL PUMP TEST
MIXTURE RICH
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

TAKE OFF

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
TRANSPONDER ALT
POSITIVE RATE/NO RUNWAY REMAINING GEAR UP
500 FT 100 MPH
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 OBTAIN
LIGHTS ON
THROTTLE AS REQUIRED
MIXTURE RICH
FUEL SELECTOR AS REQUIRED

DOWNWIND, 1000', FAF, OR COURSE INTERCEPT

FUEL SELECTORAS REQUIRED
GEARDOWN
MIXTURE RICH
PROP FULL FORWARD ON FINAL
GUMP CHECK.....COMPLETE 3 TIMES

AFTER LANDING

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

SHUTDOWN

RAMP IN (122.9) COMPLETE
RADIOS/JPI BREAKER/TX OFF
THROTTLE 1000
MIXTURE IDLE CUTOFF

THROTTLE CLOSE
MAGS OFF
LIGHTS OFF
MASTER OFF

SECURE

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

ENGINE FAILURE BEFORE V_R

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

ENGINE FAILURE AFTER V_R RWY REMAINING

AIRSPEED 80 MPH
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 RWY BELOW 500'

AIRSPEED 68 KIAS
 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 REMAIN/ABOVE 500'

AIRSPEED 105 MPH
 BEST PLACE TO LAND IDENTIFIED
 RADIO TRANSMIT MAYDAY ON 121.5
 TRANSPONDER 7700
 MAGS ON
 AUX FUEL PUMP ON
 MIXTURE RICH
 FUEL SELECTOR VALVE OFF
 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 W/O ENGINE POWER

PASSENGER SEAT BACKS UP
SEATS AND SEAT BELTS SECURE
AIRSPEED80 MPH
MIXTURE IDLE CUT-OFF
FUEL SELECTOR OFF
MAGS OFF
FLAPS AS REQUIRED (40 RECOMMENDED)
MASTER OFF
DOORS UNLATCH
TOUCHDOWN SLIGHTLY TAIL LOW
BRAKES APPLY HEAVILY

EMERGENCY LANDING W/ ENGINE POWER

PASSENGER SEAT BACKS UP
SEATS AND SEAT BELTSSECURE
AIRSPEED..... 80MPH
GEARDOWN
FLAPSAS REQUIRED
SELECTED FIELD..... FLY OVER
AVIONICS MASTER SWITCH AND ELECTRICAL.....OFF
MASTER SWITCH.....OFF
DOORSUNLATCHED PRIOR TO TOUCHDOWN
TOUCHDOWN.....SLIGHTLY TAIL LOW
BRAKES..... APPLY HEAVILY

DITCHING

RADIOTRANSMIT 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 70 MPH
 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

GEARAS REQUIRED
MIXTURE IDLE CUT OFF
FUEL SHUTOFF VALVEPULL OUT (OFF)
AUX FUEL PUMP SWITCHOFF
MASTER SWITCH.....OFF
CABIN HEAT/AIROFF
AIRSPEED.....100 MPH
FORCED LANDING EXECUTE
FIRE EXTINGUISHER..... ACTIVATE AS REQUIRED

ELECTRICAL FIRE IN FLIGHT

GEARAS 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 SWITCHESOFF
RADIO/ELECTRICAL SWITCHES.....ON, ONE AT A TIME
..... WITH DELAY UNTIL SHORT CIRCUIT IS LOCALIZED

CABIN FIRE

GEARAS 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 SWITCHESOFF
NAV LIGHTSOFF
STROBE LIGHTSOFF
PITOT HEAT.....OFF
AIRSPEED.....INCREASE
LAND..... ASAP

LOAD METER EXCESSIVE

ALTERNATOROFF
ALTERNATOR CBCHECK
ELECTRICAL LOAD REDUCE
LAND..... ASAP

LOW VOLTAGE

AVIONICS.....OFF
ALTERNATOR BRAKER IN
MASTER.....RECYCLE
LOW VOLTAGE LIGHTCHECK

IF LIGHT COMES BACK ON:

ALTERNATOROFF
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
WINDSHIELDCLEAN
AIRSPEED.....90 MPH
LAND.....LEVEL ATTITUDE

LANDING GEAR FAILS TO RETRACT

MASTER SWITCH.....ON
LANDING GEAR LEVER..... UP
LANDING AND GEAR PUMP CIRCUIT BREAKERS IN
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 BREAKERS IN
EMERGENCY EXTENSION LEVER.....PUSH DOWN
GEAR DOWN LIGHTSON

GEAR UP LANDING

LANDING GEAR LEVER..... UP
 LANDING AND GEAR PUMP CIRCUIT BREAKERS IN
 RUNWAYSELECT
 FLAPSAS DESIRED
 AIRSPEED.....80 MPH
 DOORSUNLATCH
 MASTER.....OFF
 TOUCHDOWN..... SIGHTLY TAIL LOW
 MIXTURE IDLE CUTOFF
 MAGSOFF
 FUEL SELECTOROFF
 AIRPLANE EVACUATE

LANDING W/O INDICATION OF GEAR LOCKING

BEFORE LANDING CHECK..... COMPLETE
 APPROACHNORMAL
 LANDING AND GEAR PUMP CIRCUIT BREAKERS IN
 TOUCHDOWN..... SIGHTLY TAIL LOW
 BRAKING MINIMUM
 TAXI SLOWLY
 GEARINSPECT AFTER
 SHUTDOWN

V SPEEDS

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.**