

Pilot's Checklist



PIPER
ARROW
PA-28R-200

Original Issue – 10/31/2012

REVISIONS

Changes and/or additions in this checklist will be covered by Owner Advisories published by the Piper Aircraft Corporation. It is the responsibility of DSU to maintain this checklist in a current status when it is used for operational purposes. Additional checklist procedures may be inserted within the manufacture's procedures by DSU Flight Operations

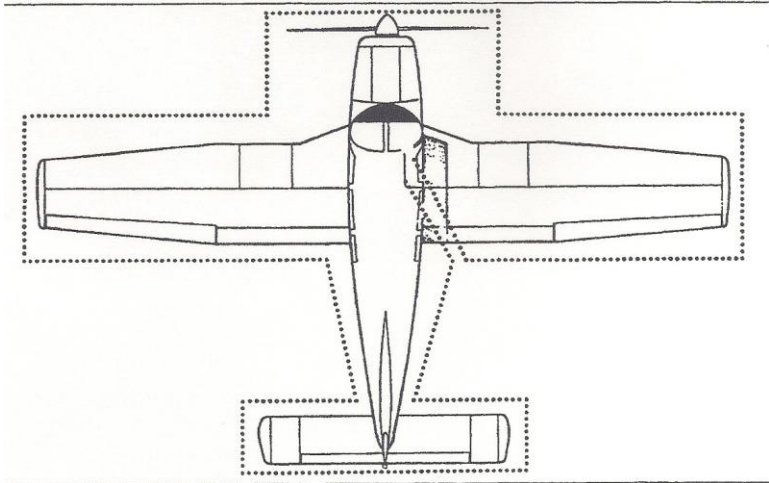
A revision bar will extend the full length of new or revised text and/or illustrations added on new or existing pages. This Bar will be located adjacent to the applicable revised area on the outer margin of the page. All revised pages will carry the date of the revision on the applicable page.

LOG OF REVISIONS

<u>Revision</u>	<u>Date</u>
Original Issue	October 31,2012

ALL REFERENCES TO SECTIONS THROUGHOUT THIS CHECKLIST PERTAIN TO THE APPROPRIATE SECTION OF THE PILOT'S OPERATING HANDBOOK (POH).

NORMAL PROCEDURES



Visually check airplane for general condition during walk-around inspection. In cold weather, remove even the smallest of accumulations of frost, ice or snow from wing, tail and control surfaces. If a night flight is planned, check operation of all lights and ensure a flashlight is available. For detailed information and explanation of these procedures, refer to POH, Section 4.

Procedures in the following Normal checklist shown in **bold-faced** should be committed to memory.

PREPARATION

Flight Log.....CHECK FOR OPEN SQUAWKS
 Hobbs/Tach Meters RECORD
 100 Hour/Annual Insp/VOR CHECK
 Required Papers.....ON BOARD
 Weather..... SUITABLE
 Weight and C.G. WITHIN LIMITS
 Navigation PLANNED
 Charts and navigation equipmentON BOARD
 Performance and rangeCOMPUTED AND SAFE

PREFLIGHT CHECK

COCKPIT

Control Wheel..... RELEASE BELT
 Landing Gear Handle DOWN
 Parking Brake SET
 Ignition..... OFF/KEY ON GLARESHIELD
 Avionics OFF
 All Switches OFF
 Mixture IDLE CUT-OFF
 Magneto Switch OFF
 BATT MASTR Switch ON
 Fuel Quantity Gauges CHECK
 Annunciator Panel CHECK
 Landing Gear Lights 3 GREEN
 Internal Lights CHECK
 External Lights..... CHECK
 Stall Warning Horn CHECK
 Pitot Heat..... CHECK
 BATT MASTR Switch OFF
 Flight Controls PROPER OPERATION
 Flaps EXTEND FULLY (40°)
 Trim NEUTRAL

Windows..... CHECK CLEAN
 Tow Bar & BaggageSTOW PROPERLY - SECURE

Right Wing

Surface Condition FREE OF ICE, FROST, SNOW
 Flap, Hinges, and Actuator CHECK
 Aileron, Hinges and Actuator CHECK
 Static Wicks CHECK - SECURE
 Wing Tip and Lights CHECK
 Fuel Tank VISUALLY CHECK SUPPLY
 SECURE CAP
 Fuel Tank Vents CLEAR
 Tank Sumps DRAIN CHECK FOR WATER
 SEDIMENT AND PROPER FUEL
 Tie Down and Chock REMOVE
 Tire Condition CHECK
 Brake Block/Disc/Pad CHECK
 Hydraulic Lines CHECK
 Gear Doors SECURE
 Gear Strut PROPER INFLATION 2.0 +/- .25 IN.
 Fresh air inlet CLEAR

Nose Section

General Condition CHECK
 Cowl Plugs REMOVE
 Engine Cowl. Right Side SECURE
 Oil CHECK QUANTITY
 Dipstick PROPERLY SEATED
 Oil Filler Cap SECURE
 Engine Baffle Seals CHECK
 Oil Access Door CLOSE AND SECURE
 Windshield CLEAN
 Propeller and Spinner CHECK
 Air Inlets CLEAR

Alternator Belt	CHECK TENSION
Landing Light	CHECK
Chock	REMOVE
Gear Doors	SECURE
Nose Gear Strut	PROPER INFLATION 2.75 +/- .25 IN.
Tire	CHECK
Engine Cowl Left Side	CLOSE AND SECURE
Fuel Strainer	DRAIN

Left Wing

Surface Condition	FREE OF ICE, FROST, SNOW
Stall Warning Vane	CHECK
Fuel Tank	CHECK SUPPLY VISUALLY SECURE CAP
Fresh Air Inlets	CLEAR
Chock	REMOVE
Gear Strut	PROPER INFLATION 2.0 +/- .25 IN.
Tire Condition	CHECK
Brake Block/Disc/Pad	CHECK
Hydraulic Lines	CHECK
Gear Doors	SECURE
Fuel Tank Vent	CLEAR
Fuel Tank Sump	DRAIN, CHECK FOR WATER SEDIMENT AND PROPER FUEL
Wing Tie-Down	REMOVE
Pitot Mast	REMOVE COVER, HOLE CLEAR
Wing Tip and Lights	CHECK
Aileron, Hinges and Actuator	CHECK
Flap, Hinges and Actuator	CHECK
Static Wicks	CHECK - SECURE

Fuselage, Left Side

Antennas SECURE
Left Static Vent CLEAR
Condition FREE OF ICE, FROST, SNOW
Side Windows CLEAN

Empennage

Condition FREE OF ICE, FROST, SNOW
Fresh Air Inlet CLEAR
Stabilator and Trim Tab CHECK
Rudder and Stabilator Hinges CHECK
Tie Down REMOVE

Fuselage, Right Side

Condition FREE OF ICE, FROST, SNOW
Antennas SECURE
Right Static Vent CLEAR
External Power Receptacle CHECK
Side Windows CLEAN
Baggage Door SECURED AND LOCKED
Passengers BOARD AND BRIEFED
Empty Seats SEAT BELTS SNUGLY
FASTENED
Cabin Door CLOSE and SECURE AS REQUIRED
Belts and Harnesses FASTENED - CHECK
INERTIA REEL

Before Starting Engine**NOTE**

If no start within 10 seconds of starter engagement, ABORT start and allow a 30 second starter cool-off period before next cranking attempt. Maximum of 6 starting attempts. If start not achieved on sixth attempt allow starter to cool for 30 minutes before attempting additional starts.

Parking Brake.....	SET
Circuit Breakers.....	IN
Alternate Air.....	OFF
Propeller.....	FULL INCREASE RPM
Avionics.....	OFF
Fuel Selector.....	DESIRED TANK
Strobes.....	ON

Starting Engine when COLD

Throttle.....	½ INCH OPEN
Anti-Collision Light.....	ON
ALTR Switch.....	ON
BATT MASTR Switch.....	ON
Electric Fuel Pump.....	ON
Mixture.....	FULL RICH 1 TO 2 SECONDS then IDLE CUT-OFF
Electric Fuel Pump.....	OFF
Propeller Area.....	CLEAR
Starter.....	ENGAGE
Mixture.....	FULL RICH
Throttle.....	ADJUST (SET TO 1,000 RPM)
Oil Pressure.....	CHECK

Starting Engine when HOT

Throttle ½ INCH OPEN
 ALTR Switch..... ON
 BATT MASTR Switch ON
 Electric Fuel Pump ON
 Mixture IDLE CUT-OFF
 Propeller Area CLEAR
 Starter ENGAGE
 Mixture ADVANCE
 Throttle ADJUST (SET TO 1,000 RPM)
 Oil Pressure..... CHECK

Starting Engine when FLOODED

Throttle FULL OPEN
 ALTR Switch..... ON
 BATT MASTR Switch ON
 Electric Fuel Pump OFF
 Mixture IDLE CUT-OFF
 Throttle FULL ADVANCE
 Propeller Area CLEAR
 Starter ENGAGE
 Mixture ADVANCE
 Throttle RETARD (SET TO 1,000 RPM)
 Oil Pressure..... CHECK

Starting Engine with EXTERNAL POWER

BATT MASTR Switch OFF
 ALTR Switch..... OFF
 All Electrical Equipment..... OFF
 Terminals..... CONNECT
 External Power INSERT IN RECEPTACLE

Proceed with Normal Start

Throttle LOWEST POSSIBLE RPM
External Power REMOVE FROM RECEPTACLE
BATT MASTR Switch ON – CHECK AMMETER
Oil Pressure..... CHECK

Warm-UP Checklist

Throttle 1000 RPM
Oil Pressure..... CHECK

Pre-Taxi Checklist

Fuel PumpOFF, CHECK PRESSURE
Mixture LEAN FOR TAXI
Avionics Switch..... ON
Transponder ALT
ATIS/Airport Info RECEIVED
Altimeter SET
Heading Indicator CHECK TO COMPASS
Departure Clearance RECEIVED
Transponder SET
Nav Radios SET
Comm Radios..... SET
Landing/Taxi Light AS REQUIRED

Taxi Checklist

Taxi AreaCLEAR
Parking Brake RELEASE
PropellerHIGH RPM
Throttle APPLY SLOWLY
Brakes CHECK
Steering CHECK
Mag Compass SWINGS FREELY
Attitude Indicator ERECT
Turn Coordinator SHOWS TURN DIRECTION
Ball & Inclinometer..... MOVES TO OUTSIDE OF TURN

Ground Run-up Checklist

Parking Brake	SET
Mixture	RICH
Propeller	FULL INCREASE
Throttle	2000 RPM
Magnetos	CHECK
	MAX DROP 175; MAX DIFF. 50 RPM
Vacuum	4.8 to 5.1 inches Hg
Oil Temperature	CHECK
Oil Pressure	CHECK
Alternator	CHECK
Ammeter	CHECK
Annunciator Panel	PRESS TO TEST
Propeller	EXERCISE then FULL INCREASE
Alternate Air	CHECK
Electric Fuel Pump	OFF
Fuel Pressure	CHECK
Throttle	RETARD (1000 RPM)
Parking Brake	RELEASE

Before Takeoff Checklist

BATT MASTR Switch	ON
ALTR Switch	ON
Magnetos	BOTH
Fuel Selector	PROPER TANK
Electric Fuel Pump	ON
Engine Gauges	CHECK
Alternate Air	CLOSED
Seat Backs	ERECT
Mixture	SET
Propeller	SET
Belts/Harness	FASTENED/CHECK
Flaps	SET
Trim	SET
Controls	FREE

Takeoff Briefing

Takeoff Procedure BRIEF
Takeoff Emergencies BRIEF
Eng Failure Considerations BRIEF

When Cleared for Takeoff

Strobe ON
Landing Light ON
Door and Window LATCHED

Takeoff

NORMAL TAKEOFF

Flaps SET
Trim SET
Nose Wheel STRAIGHT
Directional Gyro CHECKED TO RWY HDG
Brakes APPLY AND HOLD
Throttle 2,000 RPM
Engine Gauges CHECKED ALL GREEN
Power FULL ADVANCE
Brakes RELEASED
Airspeed ALIVE
Rotate 65 MPH
Gear POSITIVE RATE – GEAR UP
Climb 100 MPH

SHORT FIELD OBSTACLE CLEARANCE TAKEOFF

Flaps 25°
Trim SET
Nose Wheel STRAIGHT
Directional Gyro CHECKED TO RWY HDG

Brakes **APPLY AND HOLD**
Throttle.....**2,000 RPM**
Engine Gauges**CHECKED ALL GREEN**
Power **FULL ADVANCE**
Brakes **RELEASED**
Airspeed **ALIVE**
Rotate **60 MPH to 65 MPH**
Gear **POSITIVE RATE – GEAR UP**
Accelerate **85 MPH**
Gear **UP**
Accelerate and Climb..... **100 MPH**
Flaps **RETRACT SLOWLY**

SOFT FIELD TAKEOFF

Flaps **25°**
Trim **SET**
Nose Wheel **STRAIGHT**
Directional Gyro **CHECKED TO RWY HDG**
Brakes **DO NOT APPLY**
Throttle..... **FULL ADVANCE**
Engine Gauges**CHECKED ALL GREEN**
Airspeed **ALIVE**
Rotate **60 MPH TO 65 MPH**
Accelerate **85 MPH**
Gear **POSITIVE RATE – GEAR UP**
Accelerate **100 MPH**
Flaps **RETRACT SLOWLY**

Climb

Throttle..... 25 INCHES
 Propeller.....2500 RPM
 Mixture SET TO 10 GPH @ 1,000 AGL
 Electric Fuel PumpOFF AT DESIRED ALTITUDE
 Flaps..... UP
 Best Rate Gear Up, Flaps Up 100 MPH
 Best Rate Gear Down, Flaps Up.....95 MPH
 Best Angle Gear Up, Flaps Up.....96 MPH
 Best Angle Gear Down, Flaps Up85 MPH
 En Route 110 MPH

Cruise Checklist

Normal Max Power 75%
 Power SET per POWER TABLE
 MixtureADJUST
 Landing Light..... OFF

Maneuvers Checklist

Practice Area..... CLEAR OF TRAFFIC
 Airspeed AT OR BELOW V_A
 Fuel Selector FULLEST TANK
 Mixture FULL RICH
 Propeller.....FULL INCREASE
 Fuel Pump ON
 Landing Light..... ON

Descent Checklist

ATIS/Airport Info RECEIVED
 Approach/Landing Brief COMPLETED
 Fuel Selector FULLEST TANK
 Landing Light ON
 Seat Backs ERECT
 Belts/Harnesses FASTENED
 Mixture AS REQUIRED
 Power AS REQUIRED
 Power Off Descent CHECK THROTTLE
 EVERY 30 SECONDS

Approach and Landing Checklist

TO BE COMPLETED BY FAF OR 1,000 FT AGL

Fuel Selector PROPER TANK
 Belts/Harness FASTEN
 Electric Fuel Pump ON
 Mixture SET
 Propeller FULL INCREASE
 Gear DOWN – 150 MPH max
 Flaps SET – 125 MPH max
 Flaps AS REQUIRED
 Final Approach Speed TRIM TO 90 MPH (FULL FLAPS)

Go Around Checklist

Power MAX
 Pitch UP TO 10°
 Flaps RETRACT TO AT OR BELOW 25°
 Gear POSITIVE RATE – GEAR UP
 Climb 100 MPH

After Landing Checklist

When Off Runway STOP AIRCRAFT
 FlapsRETRACT
 Fuel Pump OFF
 Landing Light AS REQUIRED
 Exterior Lights AS REQUIRED
 Mixture LEANED FOR TAXI

Parking Checklist

STOPPING ENGINE

Parking Brake SET
 Avionics Switch..... OFF
 Throttle 1000 RPM
 Propeller FULL INCREASE
 Mixture IDLE CUT-OFF
 Throttle CLOSE
 Nav and Cockpit Lights..... OFF
 Anti-Collision Light..... ON
 Magnetos..... OFF
 Ignition Switch OFF
 ALTR Switch..... OFF
 BATT MASTR..... OFF
 Parking Brake RELEASE
 Hobbs and Tach Meters RECORD
 Squawk Sheet RECORD AND REPORT
 Controls RESTRAIN
 Aircraft..... TIED DOWN AND SECURE

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EMERGENCY PROCEDURES

ENGINE FAILURES
ENGINE FAILURE DURING TAKEOFF
ENGINE FAILURE DURING FLIGHT

FORCED LANDINGS
POWER OFF LANDING GEAR DOWN
POWER OFF LANDING GEAR UP
PRECAUTIONARY LANDING WITH POWER

FIRES
ENGINE FIRE DURING START
FIRE IN FLIGHT

ELECTRICAL
ELECTRICAL FAILURES
ELECTRICAL OVERLOAD

ENGINE/PROPELLER
ENGINE ROUGHNESS
LOSS OF OIL PRESSURE
HIGH OIL TEMPERATURE
LOSS OF FUEL FLOW/PRESSURE
PROPELLER OVERSPEED

LANDING GEAR
EMERGENCY LANDING GEAR EXTENSION

CABIN
OPEN DOOR

Procedures in the following Emergency checklists shown in **bold-faced** type are immediate-action items which should be committed to memory.

ENGINE FAILURES

ENGINE FAILURE DURING TAKEOFF

If Sufficient Runway Remains:

Gear Selector Switch..... DOWN
Land..... STRAIGHT AHEAD

If Area Ahead is Rough or is Necessary to Clear Obstructions:

Gear Selector Switch..... UP

If at Sufficient Altitude to Attempt a Restart:

Maintain Safe Airspeed
Fuel Selector SWITCH TO TANK
CONTAINING FUEL
Electric Fuel Pump CHECK ON
Mixture CHECK RICH
Alternate Air..... OPEN

If Power is Not Regained, Go To POWER OFF LANDING

ENGINE FAILURE DURING FLIGHT

If at Low Altitude:

Airspeed..... MAINTAIN 85 MPH (minimum)

Go To POWER OFF LANDING

(Continued on next page)

ENGINE FAILURES (Continued)

If Altitude Permits:

- Best Glide (Max Gross Weight) 105 MPH**
- Fuel SelectorSWITCH TO
TANK CONTAINING FUEL
- Electric Fuel Pump ON
- Mixture RICH
- Magnetos.....CHECK ON “BOTH”
- Alternate Air..... OPEN
- Engine Gauges..... CHECK FOR INDICATION
OF CAUSE OF POWER LOSS

NOTE

If no fuel pressure is indicated, check tank selector to be sure it is on a tank containing fuel.

MAINTAIN BEST GLIDE SPEED

When Power is Restored

- Alternate Air..... CLOSE
- Electric Fuel Pump OFF

LAND AS SOON AS PRACTICABLE, PERFORM SAFETY INSPECTION

If Power Cannot be Restored

- Maintain Best Glide Speed 105 MPH
- Transponder (If NOT w/ATC)..... 7700
- Radio (If NOT w/ATC)..... TRANSMIT ON 121.5

Go To POWER OFF LANDING

FORCED LANDINGS

POWER OFF LANDING

Trim for 105 MPH

Locate suitable field

Establish spiral pattern

Plan to be 1000 ft above field at downwind position for normal landing approach.

Touchdowns should normally be made at 85 MPH for shortest landing.

GEAR DOWN EMERGENCY LANDING

Touchdowns should normally be made at the lowest possible airspeed with full flaps.

When committed to landing

Landing Gear Selector	DOWN
Flaps	AS DESIRED
Throttle	CLOSE
Mixture	IDLE CUT-OFF
Ignition.....	OFF
BATT MASTR Switch	OFF
ALTR Switch.....	OFF
Fuel selector	OFF
Seat Belts and Harnesses	TIGHT

GEAR UP EMERGENCY LANDING

When committed to landing

Flaps	AS DESIRED
Throttle	CLOSE
Mixture	IDLE CUT-OFF
Ignition.....	OFF

(Continued on next page)

FORCED LANDINGS (Continued)

BATT MASTR Switch OFF
ALTR Switch..... OFF
Fuel selector..... OFF
Seat Belts and Harnesses TIGHT

*CONTACT SURFACE AT MINIMUM POSSIBLE
AIRSPEED*

PRECAUTIONARY LANDING WITH POWER

If flight to an airport is not possible:

Select Field..... FLY OVER
 NOTING TERRAIN AND OBSTRUCTIONS
Plan NORMAL APPROACH
Seat Belts and Harnesses FASTENED
AIRSPEED 90 MPH
FLAPS AS REQUIRED
Master Switch OFF
Doors..... UNLATCHED UP & LOWER
Touchdown COMPLETED
Ignition Switch OFF

FIRES

ENGINE FIRE DURING START

Starter..... **CRANK ENGINE**
Mixture **IDLE CUT-OFF**
Throttle..... **OPEN**
Electric Fuel Pump **OFF**
Fuel Selector **OFF**

ABANDON IF FIRE CONTINUES

FIRE IN FLIGHT

SOURCE OF FIRE CHECK

ELECTRICAL FIRE (Smoke in Cabin)

BATT MASTR Switch **OFF**
ALTR **OFF**
Vents **OPEN**
Cabin Heat **OFF**

LAND AS SOON AS POSSIBLE

ENGINE FIRE

Fuel Selector **OFF**
Throttle..... **CLOSED**
Mixture **IDLE CUT-OFF**
Electric Fuel Pump **CHECK OFF**
Heater and Defroster **OFF**

Go To POWER OFF LANDING

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ELECTRICAL

ELECTRICAL FAILURES

ALT ANNUNCIATOR LIGHT ILLUMINATED

Ammeter..... CHECK TO VERIFY INOP ALT

If Ammeter Shows Zero

ALTR switch OFF

REDUCE ELECTRICAL LOADS TO A MINIMUM

Circuit Breaker CHECK AND RESET

ALTR Switch..... ON

If Power Not Restored

ALTR Switch..... OFF

NOTE

If alternator output cannot be restored, reduce electrical loads and land as soon as practical. The battery is the only remaining source of electrical power. Land as soon as practical.

ELECTRICAL OVERLOAD

ALTERNATOR OVER 20 AMPS ABOVE KNOWN LOAD

BATT MASTR Switch OFF

If Ammeter Reading DOES NOT Decrease

ALTR Switch..... OFF

LAND AS SOON AS POSSIBLE

Go To EMERGENCY LANDING GEAR EXTENSION

ELECTRICAL (Continued)

If Ammeter Reading DOES Decrease

BATT MASTR Switch ON
Ammeter.....MONITOR

If Ammeter Reading DOES NOT Begin to Decrease Within Five (5) Minutes

BATT MASTR Switch OFF

LAND AS SOON AS POSSIBLE

CAUTION

If the battery is depleted, the landing gear must be lowered using the emergency extension procedure. The gear position lights will be inoperative

NOTE

Due to increased system voltage and radio frequency noise, operation with ALT switch ON and BATT switch OFF should be made only when required by an electrical system failure.

If Ammeter Reading DOES Begin to Decrease Within Five (5) Minutes

Ammeter.....MONITOR

ENGINE

ENGINE ROUGHNESS

MixtureADJUST FOR MAX SMOOTHNESS
 Alternate Air..... OPEN
 Electric Fuel Pump ON
 Fuel SelectorSWITCH TANKS
 Engine Gauges..... CHECK
 Magneto Switch..... L then R then BOTH

NOTE

If operation is satisfactory on either one, continue on that magneto at reduced power and RICH mixture to first airport. If roughness persists, prepare for power off landing.

LOSS OF OIL PRESSURE

Land as soon as possible and investigate cause. Prepare for power off landing.

HIGH OIL TEMPERATURE

Land at nearest airport and investigate the problem. Prepare for power off landing.

LOSS OF FUEL FLOW/PRESSURE

Electric Fuel Pump ON
 Fuel SelectorCHECK ON FULL TANK

ENGINE (Continued)

PROPELLER OVERSPEED

Throttle RETARD
Oil Pressure CHECK
Propeller Control FULL DECREASE RPM
SET IF ANY CONTROL AVAILABLE
Airspeed REDUCE
Throttle AS REQUIRED
REMAIN BELOW 2700 RPM

LANDING GEAR

EMERGENCY LANDING GEAR EXTENSION

Prior to Emergency Extension Procedure

BATT MASTR SwitchCHECK ON
 ALTR Switch.....CHECK ON
 Circuit Breakers CHECK
 LIGHT Switch OFF (in daytime)
 Gear Indicator Bulbs CHECK

If Landing Gear DOES NOT Check Down and Locked

AirspeedREDUCE BELOW
 100 MPH
 Landing Gear Selector Switch GEAR DOWN
 POSITION

If gear has still failed to lock down, move and *hold* the emergency lever down to the Emergency Down position.

If gear has still failed to lock down, yaw the airplane abruptly from side to side with the rudder.

If the nose gear will not lock down using the above procedure, slow the aircraft to the lowest safe speed attainable using the lowest power setting required for safe operation and accomplish the following:

Landing Gear Selector Switch GEAR DOWN
 POSITION

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CABIN

OPEN DOOR

If both upper and lower latches are open, the door will trail slightly open and airspeeds will be reduced slightly.

Slow Airplane 100 MPH
Cabin Vents CLOSE
Storm Window OPEN
If upper latch is open LATCH
If side latch is open PULL ARM REST, MOVE
HANDLE TO LATCHED POSITION
If both latches are open LATCH SIDE LATCH
THEN TOP LATCH

PERFORMANCE

Speeds are for Aircraft at Max Gross Weight

Takeoff

Rotation Speed (V_R)	65 MPH
Lift Off Speed (V_{LOF})	70 MPH
Normal Climb	100 MPH

Climb, Flaps Up

Cruise	110 MPH
Best Angle Gear Down (V_X)	85 MPH
Best Angle Gear Up (V_X)	96 MPH
Best Rate Gear Down (V_Y)	95 MPH
Best Rate Gear Up (V_Y)	100 MPH

Landing Approach

Normal Flaps Up	125 MPH
Normal Flaps 40	90 MPH
Short Field Flaps 40	85 MPH

Maneuvering Speed (V_A) Turbulent Air Penetration Speed

2440 Lbs	131 MPH
Best Glide Speed (V_G)	105 MPH

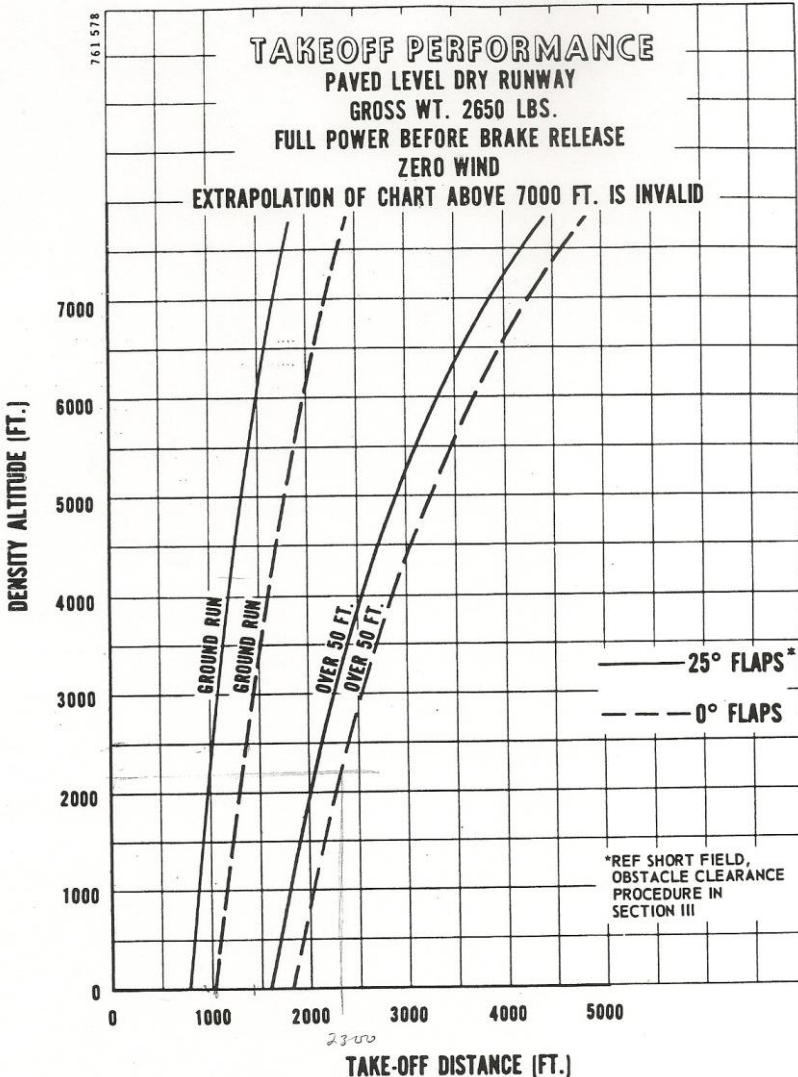
Stall Speeds

Stall Speed Gear Flaps (V_{SO})	64 MPH
Stall Speed Clean (V_{S1})	71 MPH

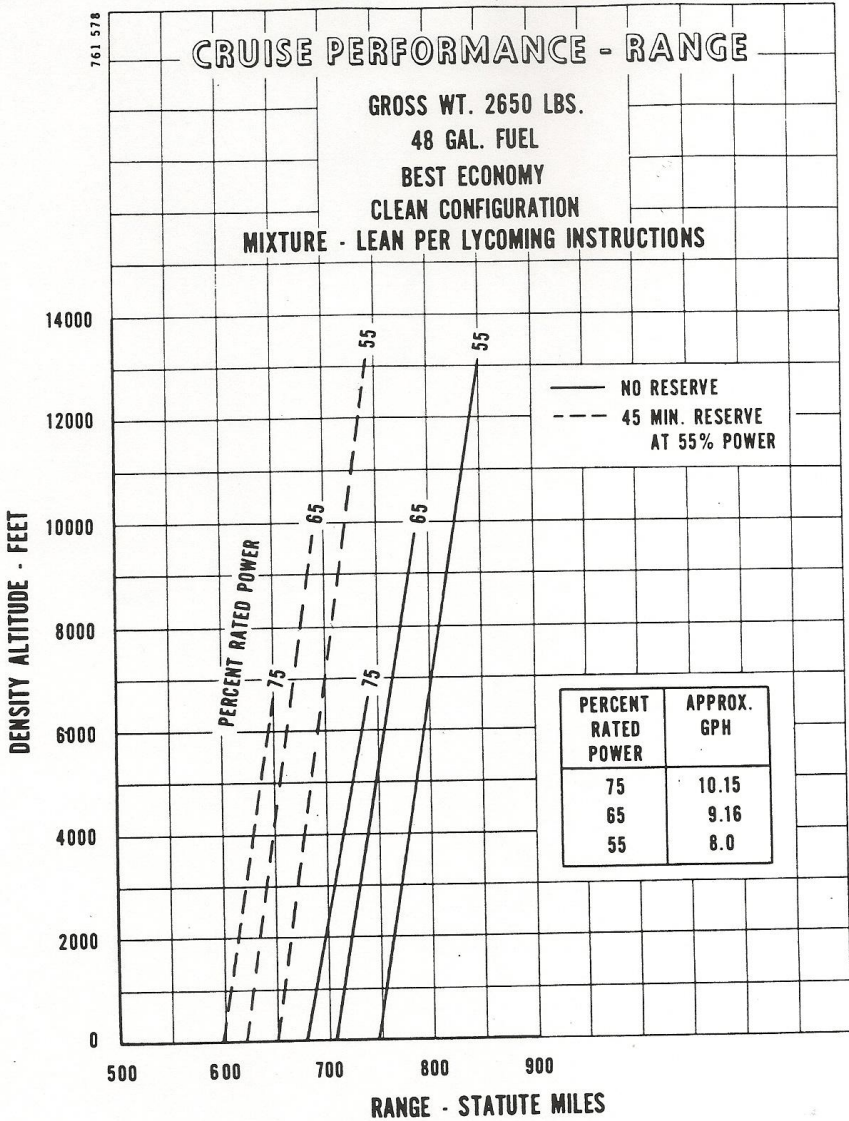
Maximum Speed

Flaps Extend Speed (V_{FE})	125 MPH
Gear Operating Speed (V_{LO})	125 MPH
Gear Extend Speed (V_{LE})	150 MPH
Never Exceed Speed (V_{NE})	214 MPH

NORMAL TAKEOFF, 0° FLAPS And SHORT FIELD TAKEOFF 25° FLAPS



CRUISE PERFORMANCE



LANDING PERFORMANCE

