

Henley Aviation

BE-76

Before Start

Paper Work Check It
Parking Brake Set
Seats Belts Fasten
Passenger Brief Complete
Preflight Complete
Trims Set
Fuel Selectors Mains
Cowl Flaps Open
Carb Heat Off
Circuit Breakers Checked
Engine Controls Set
Flaps Up
Ldg. Gear Lts 3 Green
Fuel Qty Verify
Electrical Switches Off
Beacon Light On
Battery & Alternators On

After Start

Engine Gauges Check
Instrument Pressure Check
Alt/Loads On & Ck
Avionics Master On
Annunciator Lights Test & Set
Lights As Req.

Taxi

Lights As Req.
Brakes Check
T&B / HI Check

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Before Takeoff

Flight Controls Check
Flight Instr's Check
Engine Gauges Check
Avionics Set
Transponder Set
Trim Tabs 1-2-3 Set
Elect./Trim CK & Set
Friction Locks Adjust
Flaps Up
Fuel Selectors On
Aux Fuel Pumps On
Mixtures Set
Feathering Check Check
Magneto Checks Complete
Instrument Pressure Check
Doors & Windows Check
Departure Brief Complete

Runway

Lights As Req.
Transponder On
Annunciators Out

After Takeoff

Gear Up Lts. Out
Flaps Up
Power As Req.
Engine Gauges Check
Mixtures Set
Cowl Flaps As Req.
Lights As Req.

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Cruise

Power Set
Mixtures Set
Engine Gauges Check
Cowl Flaps As Req.
Lights As Req.

Descent

Altimeter Set
Lights As Req.
De-Ice / Anti Ice As Req.
Seat Belts Fasten
Crew Brief Complete

Initials

Mixtures Full Rich
Landing Lights On
Flaps Approach
Altimeter Set
Landing Lights On
Fuel Selectors Mains

Gear Down 3 Green
Landing Clearance Cleared

Landing Checks

Gear Verify 3 Down
Flaps Set
Props Max RPM

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Clear of Runway

Lights.....As Req.
Cowl Flaps.....Open
Flaps Up
TrimReset to T/O
Transponder.....Stby.
Anti-Ice Off

Shut Down

Engine RPM 1000
Electrical Equip..... Off
Beacon Lt. On
Enviromentals..... Off
Aux Fuel Pumps Off
Avionics Master Off
MixturesIdle Cutoff
Mag Sw's..... Off
Battery / Alt's Off

Securing Aircraft

Control Lock Install
Wheels Chocked
Aircraft..... Secured

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Limitations

V Speeds (In knots indicated airspeed)

V_{so} 60
V_{mc} 65
V_s 70
V_r 71
V_{sse} 71
V_x 71
V_{xse} 80
V_y 100
V_{yse} 85
V_{fe} 110
V_{Io} 112
V_{le} 140
V_{Io} 140
V_{no} 154
V_{ne} 194
V_a 132

140 Emergency descent
25 Maximum demonstrated crosswind
95 Max glide

All engine landing

87 Flaps Up
76 Flaps Down

Single engine landing

90 maneuvering to final
85 final approach flaps down

Limit Flaps to 20 degrees on single engine approach

Engine Fire during Start

1. Mixture..... IDLE CUT OFF
2. Starter... CONTINUE TO ENGAGE
3. Fuel Selector OFF
4. Battery & Alternators..... OFF
5. If fire will not extinguish EVACUATE

Engine Failure during Departure

If sufficient runway remains:

1. Gear..... DOWN
2. Land Straight Ahead

If the area ahead is rough, or it is necessary to clear obstacles:

1. Gear..... UP
2. Proceed with EMERGENCY LANDING CHECKLIST, if conditions permit.

If altitude and conditions permit:

1. Proceed with the ENGINE RESTART CHECKLIST

Engine Failure In-Flight

1. Speed..... 85KIAS
2. Fuel Selector Verify
3. Engine Gauges CK
4. Electric Fuel Pump..... ON
5. Mixture..... RICH
6. Magnetos..... ON

If power is restored:

1. Electric Fuel Pump..... OFF

If power is not restored and altitude and conditions permit:

Proceed with the ENGINE RESTART IN-FLIGHT

If committed to landing and conditions permit:

Proceed with the EMERGENCY LANDING CHECKLIST

Fire In-Flight

Determine the Source

If the source is ELECTRICAL then:

1. Battery & Alternators OFF
2. All Electrical Switches..... OFF
3. Battery & Alternators ON
4. Essential Equipment..... ON
5. POH Checklist

If fire persists use fire extinguisher and then Proceed with the Emergency Landing Checklist.

If fire extinguishes LAND AS SOON AS POSSIBLE

If the source is the ENGINE then:

1. Fuel Selector OFF
2. Mixture..... IDLE CUT-OFF
3. Prop..... Feather
4. Electric Fuel Pump OFF
5. Magneto Switch..... OFF
6. Alternator..... Off

PROCEED WITH THE EMERGENCY LANDING CHECKLIST

Propeller Overspeed

1. Throttle REDUCE
 2. Oil Pressure..... CK
 3. Prop..... FULL DECREASE
- Then set, if there is any control available.
4. Airspeed REDUCE
 5. Throttle AS REQUIRED
- To maintain 2700RPM

Emergency Gear Extension

1. Master Switch ON
2. Circuit Breakers IN
3. Gear Position Lights.. CK BULBS

If Gear NOT down and locked:

4. Airspeed..... BELOW 100KIAS
5. Gear Selector..... DOWN
6. Emergency Gear Bypass Open

If gear does not LOCK:

Slow the aircraft to the slowest safe speed and yaw from side to side with the use of the rudder.

Spin Recovery

1. Control Wheel FULL FWD
2. Rudder FULL OPPOSITE THE DIRECTION OF ROTATION .. While NEUTRALIZING ALIERONS
3. Throttle..... IDLE
4. Rudder NEUTRAL WHEN ROTATION STOPS
5. Control Wheel AS RQD

Door Opening in Flight

1. Airspeed..... LESS THAN 87KIAS
2. Cabin Vents OPEN
3. Storm Window OPEN
4. Door Latches SECURE
5. Storm Window CLOSE

Engine Restart In-Flight

1. Fuel Selector On
2. Mixture.....RICH
3. Electric Fuel Pump.....ON
4. PropDetent
5. Throttle..... OPEN ½”
6. Ignition..... BOTH

Emergency Landing

1. Speed..... 80KIAS
2. Throttle.....CLOSED
3. Mixture.....IDLE CUT-OFF
4. Fuel Selector OFF
5. Ignition..... OFF
6. Master Switch OFF
7. Seat Belts SECURED
8. Flaps..... AS REQUIRED
9. Landing Gear ... AS REQUIRED

Loss of Oil Pressure

1. Engine GaugesMONITOR
- Be prepared for engine failure.
Land as soon as Practical.

Loss of Fuel Pressure

1. Electric Fuel Pump.....ON
2. Fuel Selector VERIFY ON

High Oil Temperature

1. Engine GaugesMONITOR
- Be prepared for engine failure.
Land as soon as Practical.

Alternator Failure

Reduce the electrical load as much as possible.

1. Alternator Circuit Breakers VERIFY IN
2. Alternator Switch
..... OFF FOR 1sec THEN ON

If Alternator does not reset then REDUCE THE ELECTRICAL LOAD AS MUCH AS POSSIBLE AND LAND AS AON AS PRACTICAL.

CAUTION: If battery is fully discharged the gear will have too be lowered using the alternate gear extension procedure.