



CHECKLIST

De Havilland

DH-82A

TigerMoth

VH-BCI



De Havilland DH-82A VH-BCI AIRCRAFT SPECIFICATIONS

Airspeeds for Normal Operations

Take off & Landing Speeds

Rotate Speed (Vr)	43kts	Normal Approach	60kts
Best Glide Speed	60kts	Max Crosswind	10kts

General Speeds

Never Exceed (Vne)	139kts	Normal Climb	60kts
Normal Cruise TAS	80kts	Level Stall Speed (Vs)	40kts

Fuel & Oil

Fuel Type	100LL or 100/130 Avgas & Mogas	Engine Type and Horsepower	Gipsy Major 130BHP @ 2350RPM
Maximum Fuel	86 litres	Oil Grade	Aero W100
Max Useable Fuel	86 litres	Maximum Oil	Full
Fuel Consumption	33 Litres/Hour	Minimum Oil	1/2

****Note: 100LL Avgas is BLUE in colour and 100/130Avgas is GREEN****

Performance

Basic Empty Weight	592 Kg	Maximum Power	2300 RPM
Max Take off Weight (Normal)	827 kg	Climb Power	Full RPM
Max Landing Weight (Acrobatic)	802 kg	Normal Cruise	1950 RPM

**** Note: Max Load with Full Fuel: 173kg ****

Pre Start

Pre Flight Inspection
Position
Maintenance Release
Flight Manual

Complete
Clear
Check
On-board Pax Brief

- Entry and exit points/emergency exits
- Seat adjustment
- Seatbelt usage
- Stowage of loose items
- Ventilation outlets and controls
- Remain clear of flight controls
- Emergency Equipment and how to use
- No Smoking policy
- Flight details

Chocks
Seats
Hatches & Harness
Fuel
Slats
Switches
Throttle
Friction Nut
Carby Heat
Instruments
Trim

Check
Adjusted and Secured
Secure
On and sufficient
Locked
Off
As directed by the starter
Set
Cold/off
Set
Back

Start Procedure

Mixture
Pitch
Throttle
Master Switch
Prime
Clear Prop
Magnetos
Ignition
Mixture

Idle Cut off
Full fine
Cracked
On
As req'd

Both
Push starter switch
Full rich as engine starts

AFTER START

ROVER

Revs	Set 1000
Oil Pressure	Rising within 30 seconds
Radio	Radios On & Check Frequency and Squelch Transponder SBY Code set

**Warm Engine for min. 4 minutes
at 1000rpm if cold prior to chocks
away**

PRE TAKEOFF – BRAKES ON

T rim	Check and Set
F uel	On and sufficient
I nstruments	Altimeter Elevation/QNH set Oil Pressure Within limits 30-50 psi
S witches	Set 1800RPM Magnetos <ul style="list-style-type: none">• Max Drop125RPM• Max Difference 50 RPM• Smo oth Running Engine Instrume nts<ul style="list-style-type: none">• Pressure30-50psi Set 1000RPM
C ontrols	Full Free and correct
H atches and Harnesses	Secure
E mergency Brief	Complete
D eparture brief	Complete

LINING UP

A lignment -	Compass, DG and Runway
C ontrols -	Checked
U ndercarriage -	Fixed
T ransponder -	On ALT
E mergency -	Briefed
S witches -	Magnetos On BOTH

AFTER TAKEOFF/ GO AROUND

PUFSIT

P ower	Full
U ndercarriage	Fixed
I nstruments	Climb performance, Centreline tracking Check
T emps and Pressure	within limits

MANOEUVRES

HASEL

H eight	Sufficient to safely complete all manoeuvres
A rea	Suitable
S ecurity	Cabin secure/seats/harnesses
E ngine	Power and Mixture Checked Engine T's & P's within limits
L ookout	Area Clear

ENROUTE

CLEAROFFS

C ompass & C ourse	Align and Tracking
L og	ETA's
E ngine	Lean and Green
A ltitude	QNH set and correct
R adios	Frequency set & correct
O rientation	
F uel	Log and contents
F orced Landing	
S artime	

PRELANDING/DOWNWIND

BUMFISH

B reaks	Pressure and off
U ndercarriage	Fixed
M ixture	Rich
F uel	On and sufficient
I nstruments	Altitude T's and P's within limits
S witches	Magenotos - Both
H atches and Harness	Secure

FINAL

CPUFF

C arby Ht	Off
P itch	N/A
U ndercarriage	Fixed
F lap	N/A
F uel	Sufficient for Go-Around

AFTER LANDING

Transponder	SBY
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SHUTDOWN

Trim	Aft
Throttle	Set 1000RPM
Radio	Off
Switches	Magnetos Off
Throttle	Wide as propeller stops spinning, then closed.

EMERGENCIES

POWER LOSS IN FLIGHT

F uel	On
O il	T's & P's check
S witches	Mag Check
T hrottle	Cycle and set

ENGINE FIRE ON GROUND

Switches	Off
Fuel	Off
	<u>EVACUATE</u>
Fire Extinguisher	Use Inspect for Damage

ENGINE FIRE IN FLIGHT

AIRSPEED	60kts – increase glide speed to extinguish fire
Fuel	Off
Switches	Off
<u>Land as soon as possible</u>	