## Vans RV-9A VH-LPL Checklist

PRE-START	
Pre-flight	COMPLETE
Documents	CHECK
Pax Brief	COMPLETE
Fuel Select	FULLEST
Switches	ALL OFF
Trim	SET
Master+Alt	ON
Flaps	RETRACT
START	
Mixture	RICH
Fuel Pump	ON
<b>Fuel Pressure</b>	UP & GREEN
Fuel Pump	OFF
Throttle	Closed
Surrounds	SAFE
Prop	CLEAR
AFTER START	
Oil Pressure	UP 20 SECS
Alternator	CHARGING
Avionics	ON & SET
Strobe	ON
TAXYING	
Radio Call	CORR FRQ
Brakes	CHECK
Heading Ind.	CHECK

PRE TAKEOFF  Trim CHECK Mixture RICH Flaps SET Temp & Press CHECK Instruments CHECK/SET Switches CHECK/SET Controls FULL & FREE Canopy LOCK Harness TIGHT  RUN-UP Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM Mixture RICHEN		
Mixture RICH Flaps SET Temp & Press CHECK Instruments CHECK/SET Switches CHECK/SET Controls FULL & FREE Canopy LOCK Harness TIGHT  RUN-UP Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	PRE TAKEOFF	
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Temp & Press CHECK Instruments CHECK/SET Switches CHECK/SET Controls FULL & FREE Canopy LOCK Harness TIGHT  RUN-UP Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Mixture	RICH
Instruments Switches CHECK/SET Controls	Flaps	SET
Switches Controls Controls FULL & FREE Canopy LOCK Harness TIGHT  RUN-UP Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Temp & Press	CHECK
Controls Canopy LOCK Harness TIGHT  RUN-UP Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Instruments	CHECK/SET
Canopy LOCK Harness TIGHT  RUN-UP Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Switches	CHECK/SET
RUN-UP Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Controls	FULL & FREE
RUN-UP Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Canopy	LOCK
Brakes ON Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Harness	TIGHT
Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	RUN-UP	
Power 1800 RPM Magnetos 150/50 Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Brakes	ON
Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM		1800 RPM
Carb Heat 20 SECS Idle Speed CHECK  TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Magnetos	150/50
TAKEOFF Fuel Pump ON Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	•	-
Fuel Pump Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Idle Speed	CHECK
Fuel Pump Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	·	
Swing ANTICIPATE Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	TAKEOFF	
Nose Wheel RAISE EARLY Climb 110 Kts  CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Fuel Pump	ON
CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Swing	ANTICIPATE
CRUISE (A-P-T) Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Nose Wheel	RAISE EARLY
Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Climb	110 Kts
Power 65% (45) Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM		
Trim SET Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	CRUISE	(A-P-T)
Mixture LEAN Autopilot ENGAGE  DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Power	65% (45)
Autopilot ENGAGE  DESCENT (P-A-T)  Power REDUCE Rate/Descent 500 FPM	Trim	SET
DESCENT (P-A-T) Power REDUCE Rate/Descent 500 FPM	Mixture	LEAN
Power REDUCE Rate/Descent 500 FPM	Autopilot	ENGAGE
Power REDUCE Rate/Descent 500 FPM	DESCENT	(P-A-T)
Rate/Descent 500 FPM		,
IVIIALUI C NICHEIN		
	IVIIXLUIE	NICHEN

Albany AWIS: 122.125 CTAF: 127.85 FIS Melbourne Centre: 123.9

ENROUTE	
Compass/Ind.	CHECK
Log	UPDATE
Engine	TEMP/PRESS
Altitude	VERIFY
Radio	CHECK FRQ
Orientation	CHECK

Fuel CHECK/SELECT Field IDENTIFY

CIRCUIT JOIN	
Autopilot	OFF
Speed	120 Kts
Brakes	OFF
Mixture	RICH
Fuel Pump	ON
Harness	TIGHT
Canopy	LOCK
Carb Heat	ON
Radio Call	POSITION

FINAL	
Flaps	FULL
Speed	60 Kts
Rate/Descent	500 FPM
Cross Wind	MAX 15 Kts
Carb Heat	OFF

LANDED	
Flaps	RETRACT
Trim	RESET
Fuel Pump	OFF
Radio Call	CLEAR

SHUT DOWN	
Avionics	OFF
Lights/Strobe	OFF
Power	1200 RPM
Mags	CHECK
Power	1000 RPM
Mixture	CLOSE
Master & Alt	OFF
Key	OFF & OUT
AIR SPEEDS	
AIN 3F LLD3	
Vne	183 Kts
	183 Kts 158 Kts
Vne	200
Vne Vno	158 Kts
Vne Vno Va	158 Kts 112 Kts
Vne Vno Va Vfe	158 Kts 112 Kts 78 Kts
Vne Vno Va Vfe Vx	158 Kts 112 Kts 78 Kts 65 Kts
Vne Vno Va Vfe Vx Vy	158 Kts 112 Kts 78 Kts 65 Kts
Vne Vno Va Vfe Vx Vy	158 Kts 112 Kts 78 Kts 65 Kts 85 Kts 46 Kts

EMERGENCIES	KEEP CALM
AVIATE	First
NAVIGATE	Second
COMMUNICATE	Third
ENGINE FIRE:-	ON GROUND
Crank	CONTINUE
Power	1700 RPM
Evacuate	INSPECT
ENGINE FIRE:-	IN FLIGHT
Fuel	OFF
Master	OFF
Cabin Air	OFF
ENGINE FAIL:-	ON TAKEOFF
Speed	70 Kts
Mixture	CUT-OFF
Fuel	OFF
Ignition	OFF
Flaps	AS REQD
Master	OFF
ENGINE FAIL:-	IN FLIGHT
Speed	70 Kts
Carb Heat	ON
Fuel Pump	ON
Mixture	RICH
Fuel Select	SWAP
Ignition	ON
Restart	CRANK
Transponder	7700

LANDING:-	<b>EMERGENCY</b>
Speed	70 Kts
Field	IDENTIFY
Harness	TIGHT
Fuel Pump	OFF
MAYDAY	121.5
ELT	ACTIVATE
Transponder	7700
Fuel Select	OFF
Flaps	AS REQD
Master	OFF
Touch Down	60 Kts
DITCHING:-	WATER
Speed	70 Kts
Location	NEAR HELP
Strong Wind	INTO WIND
Strong Swell	PARALLEL
Mayday	121.5
ELT	ACTIVATE
Transponder	7700
Harness	TIGHT
Fuel Pump	OFF
Fuel Select	OFF
Flaps	FULL
Master	OFF
Touch Down	50 Kts
Canopy	EVACUATE
Life Vest	INFLATE

		FUEL AND POWER CHART	20.0	5	AKI	LTCOMING MODEL 0-320-B SERIES			200			
Press	Std.		88 HP 5	88 HP 55% Rated	P		104 HP	104 HP 65% Rated	ted	120 HP	120 HP 75% Rated	ated
Alt.	Alt	Approx	Fuel 28 RPM &	Fuel 28.4 Lit. per Hour RPM & MAN. PRESS	ar Hour	Approx	Fuel 32 RPM &	Approx Fuel 32.2 Lit. per Hour RPM & MAN. PRESS	er Hour	Approx	Approx 37.9 Lit. per RPM & MAN. PRESS	Approx 37.9 Lit. per Hr. RPM & MAN. PRESS
Feet	Deg.C	2100	2200	2300	2400	2100	2200	2300	2400	2200	2300	2400
S.L.	12	21.9	21.0	20.2	19.5	24.2	23.3	22.5	21.7		24.9	24.0
	13	21.6	20.8	19.9	19.2	23.9	23.0	22.2	21.4		24.6	23.8
7	-	21.3	20.4	19.6	19.0	23.6	22.7	21.9	21.2	25.1	24.3	23.5
e	6	20.9	20.1	19.3	18.7	23.3	22.4	21.7	21.0	24.8	24.0	23.3
4	7	20.6	19.8	19.1	18.5	23.0	22.1	21.4	20.7	24.5	23.7	23.0
10	9	20.3	19.6	18.8	18.3	22.7	21.8	21.1	20.5	F.T.	23.4	22.8
9	က	20.0	19.3	18.6	18.0	22.4	21.5	20.9	20.3		F.T.	22.6
7	÷	19.8	19.1	18.3	17.8	22.1	21.2	20.6	20.0			F.T.
80	7	19.5	18.8	18.1	17.6	F.T.	21.0	20.4	19.8			
6	ņ	19.2	18.6	17.8	17.4		F.T.	20.2	19.6			
10	ş	19.0	18.3	17.6	17.2			F.T.	19.4			
7	1-	18.7	18.1	17.4	17.0				F.T.			
12	6-	18.4	17.9	17.2	16.8							
13	÷	F.	17.6	17.0	16.6	F.T.=	F.T. = Full Throttle	rottle				
14	-13		F.T.	16.8	16.4							
15	-15			H	16.2							

To maintain constant power, correct manifold pressure add/subtract approximately 1% for each 6 Deg C above/below standard Fuel consumption is with carburetor leaned to best power with standard altitude temperature and pressure at carburettor inlet