



## RV CONDITION INSPECTION

OWNER	A/C TYPE	DATE
SER. NO.	N NUMBER	MANUFACT. DATE
TYPE INSPECTION	TACH TIME	TOTAL A/C TIME

PROP. GROUP			INSPECTED
	1	REMOVE AND INSPECT SPINNER AND BACKPLATE	
	2	INSPECT BLADES FOR NICKS AND CRACKS	
	3	INSPECT HUB FOR CRACKS AND CORROSION	
	4	CHECK FOR GREASE AND OIL LEAKS	
	5	CHECK MOUNTING BOLTS AND SAFETY WIRE	
	6	<b>CONSTANT SPEED</b>	
		CHECK BLADES FOR TIGHTNESS IN HUB	
		REMOVE PROP, REMOVE SLUDGE (IF REQUIRED)	
		LUBRICATE AS PER MANUAL	
		INSPECT COMPLETE ASSEMBLY	
	7	RE-INSTALL SPINNER	
ENGINE GROUP			
	1	REMOVE ENGINE COWLS	
	2	CLEAN COWLS, INSPECT FOR CRACKS, MISSING FASTENERS ETC.	
	3	<b>COMPRESSION TEST</b> /80 HOT _____ COLD _____ 1 _____ 2. _____ 3. _____ 4. _____	
	4	DRAIN OIL	
	5	CHECK OIL SCREENS AND CLEAN	
	6	REPLACE AND SAFETY OIL FILTER	
	7	CHECK OIL SENDER UNIT FOR LEAKS AND SECURITY	
	8	CLEAN AND CHECK OIL COOLER	
	9	CHECK OIL COOLER MOUNTINGS & BAFFLES FOR CRACKS	
	10	CHECK AND CLEAN FUEL FILTER (S)	
	11	SERVICE/CLEAN FUEL INJECTOR NOZZELS AS REQ.	
	12	CHECK FUEL SYSTEM FOR LEAKS	
	13	CHECK FUEL LINES FOR LEAKS AND SECURITY	
	14	CHECK OIL LINES FOR LEAKS AND SECURITY	
	15	SERVICE AIR FILTER	
	16	CHECK HEATER AND CONTROLS	
	17	CHECK MAGS FOR SECURITY AND OIL LEAKAGE	
	18	CHECK MAG POINTS (500 hrs)	
	19	CHECK DISTRIBUTOR BLOCKS FOR : CRACKS (500 hr checks)	
		:BURNED AREA	
		:CORROSION	
		HEIGHT OF CONTACT SPRINGS	
	20	CHECK/ADJUST MAG TIMING LEFT _____ RIGHT _____	
	21	CHECK IGNITION HARNESS AND INSULATORS	
	22	SERVICE OR REPLACE SPARK PLUGS	
	23	CHECK CONDITION OF ALTERNATOR	
	24	CHECK CONDITION OF STARTER AND CONNECTIONS	
	25	INSPECT EXHAUST STACKS, GASKETS, NUTS, ETC.	
	26	INSPECT MUFFLERS, HEAT SHROUD	
	27	CHECK ENGINE BAFFLES	
	28	CHECK BREATHER TUBE OF OBSTRUCTIONS, SECURITY	
	29	CHECK CRANKCASE FOR LEAKS, CRACKS, FASTENERS, ETC.	
	30	CHECK ENGINE MOUNTS FOR CRACKS, LOOSE MOUNTS	
	31	CHECK ENGINE MOUNT BUSHINGS	
	32	CHECK FIREWALL SEALS	
	33	CHECK THROTTLE, CARB HEAT, MIXTURE, ALTERNATE AIR, PROP CONTROLS FOR OPERATION AND SECURITY	
	34	INSPECT EXHAUST SYSTEM FOR CRACKS AND CONDITION	



	35	INSPECT GENERAL CONDITION OF ENGINE	
	36	FILL ENGINE OIL..TYPE _____ QUARTS _____	
	37	CLEAN ENGINE	
	38	LUBRICATE CONTROLS	
	39	CHECK/SERVICE BATTERY	
	40	ECI PUSHROD RETAINER CLIPS – REPLACE IF NEC	
<b>CABIN GROUP</b>			
	1.	INSPECT CANOPY HINGES, STRUTS, AND LATCHES	
	2.	INSPECT CANOPY FRAME AND GLASS FOR GENERAL CONDITON	
	3.	CHECK SEAT, SEAT BELTS, AND MOUNTINGS	
	4.	CHECK TRIM OPERATION	
	5.	CHECK FUEL ON-OFF VALVE FOR OPERATION	
	6.	CHECK OPERATION OF FUEL DRAINS	
	7.	CHECK OPERATION OF INTERIOR LIGHTING	
	8.	CHECK RUDDER PEDALS AND CABLES	
	9.	CHECK CONTROL STICK,BEARINGS, PUSHRODS FOR OPERATION AND SAFETY	
	10	CHECK INSTRUMENTS, LINES, WIRES	
	11	CHECK ALTIMETER / TRANSPONDER CERTIFICATION DATE	
<b>FUSELAGE GROUP</b>			
	1.	REMOVE ALL INSPECTION PANELS INCLUDING TAIL FAIRINGS	
	2.	CHECK GENERAL CONDITION OF SKIN	
	3.	REMOVE BAGGAGE COMPARTMENT COVERS AND BULKHEADS	
	4.	CHECK WIRING, HOSES, ETC. FOR DAMAGE AND SECURITY	
	5.	CHECK ANTENNA WIRES AND CONNECTIONS	
	6.	CHECK AND SERVICE E.L.T. BATTERY GOOD UNTIL _____	
	7.	CHECK BULKHEAD AND STRINGERS FOR DAMAGE	
	8.	CHECK WING ATTACH BOLTS	
	9.	CHECK EMPENNAGE SURFACES FOR DAMAGE	
	10	CHECK RUDDER HINGES, HORN, AND ATTACHMENTS	
	11	CHECK VERTICAL FIN ATTACHMENTS	
	12	CHECK ELEVATOR HINGES, HORN AND ATTACHMENTS	
	13	CHECK THAT ELEVATOR TRAVEL IS WITHIN LIMITS UP _____ DOWN _____	
	14	CHECK HORIZONTAL STABILIZER ATTACHMENTS	
	15	CHECK HORIZONTAL TRIM FOR INSTALLATION, SECURITY AND OPERATION. RV10 SERVO PIVOT BOLT SAFETY.	
	16	CHECK AUTOPILOT SERVO INSTALLATION & TT SERVO ARM RETAINER SB	
	17	RE-INSTALL PANELS AND TAIL FAIRING	
<b>WING GROUP</b>			
	1.	REMOVE INSPECTION PLATES AND FAIRINGS	
	2.	CHECK SURFACE AND TIPS FOR DAMAGE	
	3.	CHECK AILERON HINGES, PUSHRODS FOR OPERATION	
	4.	CHECK AUTOPILOT INSTALLATION FOR SECURITY & PROPER INSTALLATION	
	5.	CHECK FLAP CONDITION AND HINGES	
	6.	CHECK FLAP OPERATION AND MECHANISM	
	7.	CHECK FLAP ALIGNMENT	
	8.	CHECK WING ATTACH BOLTS	
	9.	CHECK HEATED PITOT OF SECURITY, HOSE SECURITY, AND OPERATION	
	10	CHECK WINGTIPS FOR DAMAGE AND SECURITY	
	11	CHECK OPERATION OF LANDING LIGHTS	
	12	CHECK OPERATION OF STROBE LIGHTS	
	13	CHECK OPERATION OF POSITION LIGHTS	
	14	RE-INSTALL INSPECTION PANELS AND FAIRINGS	
	15	IINSPECT FUEL TANK INTERNALLY FOR PEELING SEALANT (SLOSH)	
	16	CHECK CONDITION OF FUEL CAPS AND O RINGS	
	17	CHECK AUTOPILOT SERVO INSTATION & TT SERVO ARM RETAINER SB	



	18	RE-INSTALL INSPECTION PLATES AND FAIRINGS	
<b>LANDING GEAR</b>			
	1	PLACE AIRCRAFT ON JACKS	
	2.	REMOVE WHEEL PANTS AND GEAR FAIRINGS	
	3.	CHECK TIRES FOR WEAR AND DAMAGE	
	4.	REMOVE WHEELS INSPECT FOR CRACKS, CORROSION, CONDITION OF BOLTS	
	5.	CHECK TIRE PRESSURES LEFT _____ NOSE _____ RIGHT _____	
	6.	CHECK BRAKE LININGS AND DISCS	
	7.	CHECK BRAKE LINES FOR LEAKS, SECURITY AND CONDITION	
	8.	CHECK LANDING GEAR STRUTS FOR CRACKS AND SECURITY	
	9.	CLEAN AND LUBRICATE MAIN WHEEL BEARINGS, AND RE-INSTALL MAIN WHEELS	
	10	RE-INSTALL BRAKES	
	11	CHECK NOSE WHEEL BEARING ADJUSTMENT	
	12	CHECK BREAKOUT FORCE ON NOSE WHEEL LBS. _____	
	13	CHECK BRAKE CYLINDERS FOR OPERATION AND LEAKS	
	14	CHECK BRAKE FLUID LEVEL. TYPE OF FLUID BEING USED _____	
	15	INSTALL WHEEL PANTS AND GEAR FAIRINGS	
	16	REMOVE AIRCRAFT FROM JACKS	
<b>OPERATION CHECK</b>			
	1.	CHECK BOOST PUMP	
	2.	CHECK ALTERNATOR OUTPUT	
	3.	CHECK AVIONIC EQUIPMENT OPERATION	
	4.	CHECK OIL PRESSURE	
	5.	CHECK MANIFOLD PRESSURE	
	6.	CHECK PROPELLER OPERATION AND SMOOTHNESS	
	7.	CHECK MAG DROP AT 1800 RPM LEFT _____ RIGHT _____	
	8.	CHECK STATIC R.P.M	
	9.	CHECK IDLE R.P.M.	
	10	CHECK MAG SWITCH WIRES FOR GROUNDING	
	11	CHECK THROTTLE AND MIXTURE CONTROL OPERATION	
	12	CHECK IDLE MIXTURE	
	13	LEAK CHECK ENGINE	
	14	RE-INSTALL COWLS	
	15	CHECK FLIGHT CONTROL OPERATION (AILERON, ELEVATOR, RUDDER)	
<b>GENERAL</b>			
	1.	FINAL CHECK FOR CLEANLINESS, TOOLS REMOVED, ETC.	
	2.	AIRCRAFT PAPERS IN PROPER ORDER A. REGISTRATION	
		B. AIRWORTHINESS	
		C. OPERATING LIMITS	
<b>NOTES</b>			

SIGNATURE OF INSPECTOR \_\_\_\_\_

CERTIFICATE NUMBER \_\_\_\_\_

DATE OF SIGN-OFF \_\_\_\_\_