



RV CONDITION INSPECTION

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

PROP. GROUP			<u>INSP.</u>
	1	REMOVE SPINNER, INSPECT BULKHEADS FOR DEFECTS, CRACKS, LOOSE / SMOKING RIVETS	
	2	INSPECT BLADES FOR SECURITY, NICKS, CRACKS OR OTHER DAMAGE	
	3	INSPECT PROP HUB FOR EVIDENCE OF DAMAGE, CRACKS OR CORROSION	
	4	CHECK ALL MOUNT HARWARE FOR DEFECTS AND SECURITY	
	5	CHECK ATTACH BOLTS FOR TORQUE / SAFETY WIRE	
	6	CONSTANT SPEED	
		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 ENGINE AND COWLS	
	3	COMPRESSION TEST /80 HOT _____ COLD _____ 1 _____ 2. _____ 3. _____ 4. _____	
	4	DRAIN ENGINE OIL (WARM)	
	5	REMOVE AND INSPECT OIL SUMP SCREEN FOR DEBRIS	
	6	REPLACE OIL FILTER, CUT OPEN AND INSPECT FILTER FOR DEBRIS	
	7	CHECK OIL SENDER UNIT FOR LEAKS AND SECURITY	
	8	CLEAN AND CHECK OIL COOLER FOR CRACKS AND SECURITY	
	9	CHECK OIL COOLER MOUNTINGS & BAFFLES FOR CRACKS AND SECURITY	
	10	CHECK AND CLEAN FUEL FILTER, GASCOLATOR, OR SCREENS	
	11	INSPECT FUEL INJECTOR LINES / NOZZELS FOR DEFECTS AND SECURITY	
	12	CHECK FUEL SYSTEM FOR EVIDENCE OF LEAKAGE, DETERIORATION, SECURITY	
	13	CHECK FUEL PUMP INLET/OUTLET FITTINGS ARE TIGHT AND SECURE	
	14	CHECK FUEL LINES FOR AGE, DETERIORATION, LEAKS AND SECURITY	
	15	CHECK ALL OIL LINES FOR AGE, DETERIORATION, LEAKS AND SECURITY	
	16	SERVICE / REPLACE AIR FILTER, INPECT AIRBOX FOR CRACKS, SECURITY	
	17	CHECK CARB HEAT AND CONTROLS FOR PROPER OPERATION AND SECURITY	
	18	CHECK MAGS FOR PROPER INSTALLATION, SECURITY AND OIL LEAKAGE	
	19	REMOVE / INSTALL MAG FOR 500 HR CHECK IF REQUIRED	
	20	CHECK CARB / FUEL INJECTION INLET SCREENS, DRAIN CARB BOWL	
	21	CHECK / ADJUST MAG TIMING LEFT _____ RIGHT _____	
	22	CHECK IGNITION HARNESS AND INSULATORS, P-LEADS FOR SECURITY	
	23	SERVICE OR REPLACE SPARK PLUGS	
	24	CHECK CONDITION OF ALTERNATOR, BELT AND WIRING, CHECK BELT TENSION	
	25	CHECK CONDITION OF STARTER AND CONNECTIONS	
	26	INSPECT EXHAUST SYSTEM FOR LEAKS, MOUNTS FOR SECURITY, CRACKS, TORQUE	
	27	INSPECT MUFFLERS, HEAT SHROUD, SCAT TUBING	
	28	CHECK ENGINE BAFFLES AND BAFFLE ATTACHMENTS	
	29	CHECK BREATHER TUBE FOR OBSTRUCTIONS, SECURITY	
	30	CHECK CRANKCSE FOR LEAKS, CRACKS, LOOSE FASTENERS, ETC.	
	31	CHECK ENGINE MOUNTS FOR SECURITY, CHECK FIREWALL ATTACHMENT NUTS/BOLTS	
	32	CHECK ENGINE MOUNT BUSHINGS FOR DETERIORATION	
	33	CHECK FIREWALL SEALS	
	34	CHECK THROTTLE, MIXTURE, ALTERNATE AIR, PROP CONTROLS FOR SECURITY AND PROPER OPERATION. INSPECT ALL ATTACH HARDWARE FOR SECURITY	
	35	CHECK ALL INLET CLAMPS, GASKETS AND INLET TUBE BOLT TORQUE	
	36	FILL ENGINE OIL..TYPE _____ QUARTS _____	
	38	LUBRICATE ENGINE CONTROLS	



	39	CHECK BATTERY TERMINALS ARE TIGHT, CLEAN. CABLES FOR DAMAGE, SECURITY	
	40	CHECK PUSHROD SHROUNDS - ECI PUSHROD RETAINER CLIPS – REPLACE IF NEC	
	41	PERFORM FUEL FLOW TEST AS REQUIRED (30 GPH / 200HP)	
	42	CHECK ENGINE GROUND CABLES FOR ATTACHMENT AND SECURITY	
CABIN GROUP			
	1.	INSPECT CANOPY HINGES, STRUTS, LATCHES, LOCKING MECHANISM, OPERATION	
	2.	INSPECT CANOPY FRAME AND GLASS FOR GENERAL CONDITON	
	3.	CHECK SEAT, SEAT BELTS, ATTACHMENTS AND BOLTS	
	4.	CHECK ELEVATOR AND AILERON TRIM OPERATION	
	5.	CHECK FUEL ON-OFF VALVE FOR PROPER OPERATION AND MARKING	
	6.	CHECK FUEL SYSTEM LINES, PUMP, B-NUTS FOR SECURITY, CHAFING, LEAKS. REMOVE FUEL FILTER AND CLEAN. CHECK FOR LEAKS (PUMP ON)	
	7.	CHECK OPERATION OF INTERIOR LIGHTING	
	8.	CHECK RUDDER PEDALS, CABLES, CHECK TUBES AND PEDALS FOR CRACKS, SECURITY	
	9.	CHECK CONTROL STICK,BEARINGS, PUSHRODS FOR OPERATION AND SECURITY	
	10	CHECK INSTRUMENTS, LINES, WIRES FOR PROPER INSTALLATION AND SECURITY	
	11	CHECK ALTIMETER / TRANSPONDER CERTIFICATION DATE	
	12	CHECK MASTER CYLINDERS FOR PROPER INSTALLATION, LEAKS, SECURITY	
	13	CHECK CONTROL STICKS, BOLTS, JAM NUTS, TORQUE TUBES FOR PROPER INSTALLTION AND SECURITY. LUBRICATE ALL BEARINGS AND BUSHINGS.	
FUSELAGE GROUP			
	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 BULKHEADS AND STRINGERS FOR DAMAGE	
	8.	CHECK WING SPAR ATTACH BOLTS (MAIN AND AFT SPAR) FOR PROPER TORQUE	
	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. CHECK RV10 SERVO PIVOT BOLT SAFETY.	
	16	CHECK AUTOPILOT SERVO INSTALLATION & TT SERVO ARM RETAINER SB	
	17	RE-INSTALL PANELS AND TAIL FAIRING	
	18	VERIFY SERVICE BULLETINS COMPLIANCE	
WING GROUP			
	1.	REMOVE INSPECTION PLATES AND FAIRINGS	
	2.	CHECK WING SKINS FOR DAMAGE, DISTORTION, SMOKING OR LOOSE RIVETS, ETC.	
	3.	CHECK AILERON HINGES, PUSHRODS FOR OPERATION	
	4.	CHECK AUTOPILOT INSTALLATION FOR SECURITY & PROPER INSTALLATION	
	5.	CHECK FLAP CONDITION AND SECURITY, LUBRICATE HINGES AND BEARINGS	
	6.	CHECK FLAP OPERATION, INSPEC AND CHECK FLAP ACTUATOR AND SAFETY	
	7.	CHECK FOR LEAKS AT FUEL TANK ACCESS PLATES, FUEL LEVEL SENSORS	
	8.	CHECK SECURITY OF ACTUATOR ROD AND BEARING AT FLAP ATTACH POINT	
	9.	CHECK PITOT TUBE AND LINES FOR DAMAGE AND SECURITY	
	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	INSPECT FUEL TANK INTERNALLY FOR PEELING SEALANT (SLOSH)	
	16	CHECK CONDITION OF FUEL CAPS, O RINGS, AND SUMP DRAINS.	
	18	RE-INSTALL INSPECTION PLATES AND FAIRINGS	



LANDING GEAR			
	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, GENERAL CONDITION	
	5.	CHECK TIRE PRESSURES LEFT _____ NOSE _____ RIGHT _____	
	6.	CHECK BRAKE LININGS AND DISCS FOR WEAR	
	7.	CHECK BRAKE LINES, CALIPERS FOR LEAKS, SECURITY AND CONDITION	
	8.	CHECK WHEEL FAIRINGS AND MOUNTING PLATES FOR CRACKS AND SECURITY, CHECK ALL BOLTS FOR PROPER SECURITY/TORQUE.	
	9.	CLEAN AND LUBRICATE MAIN / NLG / TAIL WHEEL BEARINGS AND BUSHINGS	
	10.	RE-INSTALL WHEELS, BRAKES	
	11.	REMOVE TAIL WHEEL AND FORK, CLEAN AND LUBRICATE BUSHING / PIN, CHECK LOCKING MECHANISM.	
	12.	CHECK NOSE WHEEL BOLTS, BRACKETS, BREAKOUT FORCE, STOP ORIENTATION	
	13.	CHECK ALL LANDING GEAR UPPER RETAINING BOLTS FOR PROPER TORQUE	
	14.	CHECK BRAKE FLUID LEVEL. TYPE OF FLUID BEING USED _____	
	15.	INSTALL WHEEL PANTS AND GEAR FAIRINGS	
	16.	REMOVE AIRCRAFT FROM JACKS	
OPERATION CHECK			
	1.	CHECK BOOST PUMP PRESSURE	
	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 ENGINE COWLS	
	15.	CHECK FLIGHT CONTROL OPERATION (AILERON, ELEVATOR, RUDDER, TRIM)	
GENERAL			
	1.	FINAL CHECK FOR CLEANLINESS, TOOLS REMOVED, ETC.	
	2.	AIRCRAFT PAPERS IN PROPER ORDER	
		A. REGISTRATION	
		B. AIRWORTHINESS	
		C. OPERATING LIMITS	
NOTES			

SIGNATURE OF INSPECTOR _____

CERTIFICATE NUMBER _____

DATE OF SIGN-OFF _____