

This checklist may be used to perform a final inspection prior to a first flight, and for your annual condition inspection. It is designed for a Q-200 with conventional gear, one Light Speed Engineering electronic ignition module, and plenum baffling, but may be easily adapted for other Quickies. Plenty of room is available for additional entries to suit your aircraft. This list does not tell you how to qualify a component for safe flight. It is simply designed to ensure that you inspect everything on your aircraft.

HOW TO USE THIS CHECKLIST Print out this copy take it out to the airport. Notice there are two columns after each item. When you begin to inspect any certain item, place your initials (or date) in the first column. This establishes what has been inspected, but not necessarily corrected. Generally, you should try to complete the inspection prior to correcting squawks. If there is a discrepancy that needs to be corrected, make a note of it on a separate sheet of paper. When all discrepancies for that particular item have been corrected, and you are completely confident that the component is ready to go and completely airworthy, then place your initials in the second box. This will help you sort out what needs to be inspected, what needs to be corrected, and what is ready to go. Any suggested improvements to this checklist would be welcome.

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Q-200 Annual Inspection / Condition Inspection

N# _____ Model _____
 S.N. _____ Builder _____
 Tach _____ Start _____
 hrs. _____ Date _____
 Finished _____

<u>ENGINE</u>	<u>Checked</u>	<u>Completed</u>
Warm engine to operating temperature. (Go fly)		
Remove cowlings and inspect for chafing and stains.		
Clean & inspect cowlings and fasteners		
Remove upper plenum baffling.		
Re-start engine, check timing of electronic ignition and record.		
Check for evidence of oil leaks and fuel leaks.		
Drain oil. (Take oil sample).		
Compression test: #1 cylinder		
#2 cylinder		
#3 cylinder		

#4 cylinder		
Clean, inspect, and regap spark plugs.		
Check magneto ignition timing. (for reference).		
Check plug wires condition.		
Check electronic ignition (EI) circuit board and mounting bracket for security.		
Inspect EI cables, connectors and terminals.		
EI. Check clearance between rotating magnet and sensors, top and bottom.		
Check EI coils for security and connections.		
Rotate and reinstall top spark plugs.		
Pull engine forward to access rear of engine.		
Check mag points and lube bearings.		
Check dist., points, and rotor & lubricate.		
Adjust timing if needed.		
Check magneto cooling hoses.		
Check oil screen or filter, replace gasket, and resafety.		
Check electrical connections; starter, gen., voltage reg., etc.		
Remove gen. & starter covers, check brushes and commutator.		
Check all nuts & bolts for torque on accessory case.		
Check engine mounts, rubber, and bolts.		
Reinstall engine, hook everything up.		
Install lower plugs.		
Replace oil. (Install new drain plug gasket & safety).		
Check fuel strainer & safety.		
Drain Carburetor bowl & clean carb. inlet screen.		

Remove heat muff.		
Check exhaust system for cracks and leaks.		
Reinstall muff.		
Check all hose connections and clamps.		
Check all fuel & oil hoses for leaks, security, chafing.		
Check rocker box covers, valve springs, and rocker arms.		
Spot check cylinder base nuts.		
Check push rod housings, seals & clamps.		
Check intake manifolds for leaks. (look for fuel stains).		
Check inter-cylinder & head baffles.		
Check air intake screen.		
Check carb heat valve.		
Remove & inspect spinner for wear and/or cracks. Inspect propeller.		
Retorque prop bolts, check tracking, & resafety.		
Wash engine with approved solvent.		
Inspect controls for security and full range of movement.		
Lube engine controls.		
Reinstall upper plenum baffling.		
Run up & check for leaks.		
Replace cowling & run visual check.		
<u>FUSELAGE</u>	<u>Checked</u>	<u>Completed</u>
Check exterior for cracks or delaminations.		

Remove upholstery.		
Thoroughly clean interior. Note stains or leaks.		
Check internal integrity of fuselage wall and bulkheads.		
Check control cables, tubes, brackets, etc. aft section.		
Check aileron bellcranks & lube.		
Check aileron mass balance weights.		
Check tail cone attach brackets and bolts.		
Check reflexor and lube.		
Check battery cables and solenoid for corrosion and security.		
Service battery as required.		
Check battery box for security and venting.		
Check for fuel leaks inside cabin. Clean/replace filter.		
Drain fuel sumps.		
Check fuel primer.		
Check fuel gauges for condition and operation.		
Check speed brake pivots, hinge, and latching.		
Check control stick for movement, wear, and cracks.		
Check canopy latch system.		
Check safety belt harness for security and condition.		
Check wiring, lines, and controls behind instrument panel.		
Check elevator trim system.		
Check instruments and vacuum system for condition and leaks.		
Check electrical system.		
Check interior lighting.		
Check instrument panel for general condition and security.		

Check instruments for proper marking and illumination.		
Check fuel filler cap and door.		
Check fuel tank decals for condition, octane, and capacity.		
<u>WINGS</u>	<u>Checked</u>	<u>Completed</u>
Check general condition, cracks, or delaminations.		
Check controls and bellcranks, nuts and bolts.		
Check elevators pivots for wear. Lube.		
Check elevators for security.		
Check aileron pivots for wear. Lube.		
Check ailerons for security.		
Check electrical wiring.		
Check position lights.		
Check anti-collision lights.		
Check landing light.		
Check condition of main wheels and tires.		
Check brakes pucks.		
Check brake rotors and calipers.		
Check axle and axle hard points.		
Check wheel bearings.		
Fill master cylinder(s).		

<u>TAIL ASSEMBLY</u>	<u>Checked</u>	<u>Completed</u>
Check tail cone for general condition, cracks, delams.		
Check tail wheel spring.		
Check tail wheel, bearings, swivel, and tail wheel bracket.		
Check tail wheel bolts and lube.		
Check rudder pivot points for wear and lube.		
Check rudder horn.		
Check all rudder cables for wear and adjustment.		
Check rudder cable pulleys for wear, movement, alignment.		
Check rudder pedals for security.		
Check position light.		
<u>MISCELLANEOUS</u>	<u>Checked</u>	<u>Completed</u>
Data Plate.		
Airworthiness Certificate.		
Operating Limitations.		
Weight and Balance data.		
State registration.		
Passenger warning and Experimental placard.		
Passenger Sic©Sacs.		
NASA incident reporting form.		
Transponder due date.		

Altimeter due date (If IFR).		
Static system due date (If IFR).		
E.L.T. battery replacement date.		
E.L.T. check (Within 5 minutes past the hour).		
Fire extinguisher.		
Functional ground check of radio.		
Fill out logbooks.		

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Updated: May 16, 2004

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