

Pre-Season Inspection

Nose Remove spinner, propeller, cowl

- Check engine/motor security
 - Grab motor check for play- up/down right/left. Re-torque as needed
- Check fire wall for delamination or other defects
- Check muffler for defects and security, no cracks, signs of leaks, repair and torque as needed
- Remove and check carburetor. Remove front and back plates, clean screen and internals as needed. Reassemble and install
- Check throttle linkage for slop and security. No binding
- Check fuel line-soft and flexible. Consider pro-active replacement every 2 years
- Check Ignition leads, tight and secure on plugs. No fraying
- Inspect cowl for cracks and deformities
- Check spinner backplate. Flat and true, no cracks or deformities
- Check propeller. Inspect hub for cracks. Inspect blades for chips and cracks. Small chips can be filed out. **Replace prop if cracks are found!** Re-balance prop
- Inspect spinner for defects. Repair or replace as necessary.

Reinstall cowl, backplate, propeller, and spinner. Torque propeller bolts securely using threadlocker. Locktite on all fasteners is recommended.

Wings

- Inspect leading edge for damage
- Check servo(s) for security. Not loose, no play
- Check servo leads for damage and corrosion
- Check servo arm, no cracks or damage, secure, retaining screw in place
- Inspect ailerons and flaps for damage
- Check hinges for security and wear. Replace if worn. Re-glue if loose
- Check control horn(s) for security and damage
- Check control rod, straight, no excess play
- Check that clevises are solid with rubber retaining ring in place. Plastic clevis pins often break and then must be replaced.
- Check internals of wings for rodent damage etc.
- Check covering. Repair or replace as needed. Retighten with heat gun or covering iron

Fuselage

- Check for structural integrity sighting down inside looking for damage like broken longerons and ribs. Repair as needed

Empennage

- Check horizontal stabilizers and elevators for damage
- Insure stabs are secure and don't move if not removeable
- Check elevator hinges. Repair or replace as needed
- Check control horns for security
- Check clevises and control arms. Straight and secure

Empennage cont.

- Check servo mounting. Tight and secure
- Check condition of servo arm
- Check torque tube for integrity if one piece elevator
- Check Vertical stabilizer and rudder for damage and security
- Check hinges, repair or replace as needed
- Check control horn(s)
- Check control arm and clevises
- Check servo for security
- Check servo arm
- Check servo lead
- Repair, replace covering as needed. Reshrink as needed

Internals

- Check support decking for damage
- Inspect fuel tank. Check clunk line for proper movement. Consider replacing clunk tube every year
- Replace felt clunk annually if installed (recommended). Clean metal clunks.
- Inspect fuel lines. Consider replacing all fuel lines every other year.
- Clean or replace fuel filter if installed
- Inspect all wiring and servo leads for damaged insulation, corrosion or other damage. Replace or repair as needed
- Inspect receiver(s), remotes and related radio equipment for security
- Inspect battery(s) and connections for integrity and corrosion. Consider testing battery(s) for internal resistance and balance. Replace as needed

Landing Gear

- Check landing gear. If carbon fiber, inspect closely for delamination or other damage
- Check tires for excess play
- Check hubs for damage or cracks. Replace as needed
- Check wheel collars. Retighten set screws using locktite threadlocker
- Check landing gear structure in fuselage for damage or looseness. Reglue and repair as needed
- Insure gear bolts are secure and tight

Canopy

- Inspect, repair or replace as needed

Clean and wax exterior as desired.

Power on electronics and check for proper function and reacquaint yourself with switch settings