

# Aircraft Safety Check

The ultimate responsibility for the safety and airworthiness of an aircraft rests solely with the owner and/or pilot of that aircraft. The following checklist should be used as verification that a new/repaired aircraft is in good condition for flight. All of the items listed must be checked on a new or repaired aircraft before that aircraft can be flown.

## Preflight: (leave wing off)

### General inspection

- Wing straight
- Horizontal stab parallel to wing
- Rudder at 90 degrees to horizontal stab
- Hinges secure
- Horizontal stab & rudder secure
- Fuselage reasonably stiff
- Landing gear secure
- Verify wheels turn freely

### Check linkages

- Little or no flex
- Keepers
- Routed properly
- Horns secure

### Servos

- Mounted securely
- All screws installed

### Covering

- No holes or tears
- Secure
- Reasonably wrinkle free

### Engine

- Verify engine mount is tight
- Verify prop is tight
- Verify muffler is tight (if equipped)
- Check that engine turns over properly

### Balance

- Check pitch & roll axis

### Identification

- Verify name & address or AMA # affixed to plane affixed to plane

## Radio check: (wing on)

### Batteries

- Transmitter & receiver fully charged

### Controls

- Verify ailerons move together and in proper direction
- Verify rudder & nose wheel move in proper direction
- Verify elevator moves in proper direction
- Verify throttle moves in proper direction
- Check throttle end points
- Check that control surfaces move an appropriate amount
- Check for any binding
- Check static trim

### Range check

- Verify full control with antenna collapsed at approx 100'