

# AJ Aircraft 73" Laser 230z Data Sheet

## Contents of Kit

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- 73" Laser 230z fuselage covered in genuine Ultracote covering
- Pre-hinged main wings
- Pre-hinged horizontal stabilizers
- Pre-hinged rudder
- Color matched, fastener free plastic canopy
- Color matched fiberglass cowl & wheel pants
- Carbon fiber wing tube and landing gear
- Lightweight foam wheels and steel axles
- Matching set of side force generators
- Pre-drilled firewall with installed blind nuts
- Individual bags of high quality hardware
- Foil wing bags
- Canister muffler mounts

## Recommended Equipment

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- (Gas Engine) Desert Aircraft 35cc engine with canister or standard mufflers
- (Electric Motor) AJ5230-20P/205KV 12S w/ 100-120 AMP ESC
- Propeller – 20x9 (gas), 20x10 (electric)
- 5 Channel Full Range Receiver
- Four 250in. oz. high torque digital metal gear servos for all surfaces
- One standard size servo for throttle (Gas setup)
- 12oz – 16oz fuel tank (Gas setup)
- 3" Spinner
- Servo extensions:
  - (2) x 6" for ailerons
  - (1) x 24" for elevators
  - (1) x 12" for throttle/esc
- Aluminum Servo Arms:
  - (2) x 1.5" for ailerons
  - (1) x 1.5" for elevators
  - (1) x 2.5" double arm for pull/pull rudder

## Recommended Tools Needed for Assembly

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- Blue Painters Tape
- Denatured Alcohol & Paper Towels
- Blue Loctite
- Metric & Standard Allen Wrenches
- Hobby Knife & Fresh Blades
- 15 – 30 Minute Epoxy (or Gorilla Glue)
- Thin C/A
- Electric Drill with Assorted Small Bits
- Small Flat Head & Phillips Screwdrivers
- Sanding Block & Sandpaper
- Needle Nose Pliers
- Adjustable Wrench or Socket Set
- Measuring Tape & Ruler
- Fine-tip Sharpie Marker

## Recommended CG Range and Control Throws

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- ✓ The center of gravity (CG) range for the 73" Laser 230z is located 1" in front of the wing tube (+/- 1/2")
  - ✓ **Aileron Control Throws**
    - Low Rates – 15 deg. (30% Exp)
    - Mid Rates – 30 deg. (40% Exp)
    - High Rates – 45 deg. (50% Exp)
  - ✓ **Elevator Control Throws**
    - Low Rates– 15 deg. (30% Exp)
    - Mid Rates– 30 deg. (40% Exp)
    - High Rates – 45 deg. (50% Exp)
  - ✓ **Rudder Control Throws**
    - Low Rates– 15 deg. (30% Exp)
    - Mid Rates – 30 deg. (40% Exp)
    - High Rates – Max throw (50% Exp)