

# MECHANICS CHECKLIST

## POWER PLANT

### PROPELLER

Propeller nut tight  
Spinner on tight  
Propeller balanced

### ENGINE

Hold down bolts tight  
Head bolts tight  
Carburetor secure  
Glow plug tight  
Note: carburetor will be "stroked" during the CONTROL operation.

### FUEL SYSTEM

Lines connected properly  
Line routing , bends, kinks  
Tank mounting  
Clunk free

## FUSELAGE

### CONTROLS

Throttle control free  
Servos mounted securely and tight  
Servo hardware tight  
Servo pushrods clear of mechanical interference

### LANDING GEAR

Main Gear and Nose Gear Hardware tight  
Wheels free and collars tight

### RECEIVER

Check all receiver plugs for proper seating  
Check antenna routing  
Check receiver overall crash protection

### BATTERY AND SWITCH

Check switch mounting (opposite muffler side of fuse.  
Check wire leads for routing and binding and proper hook-up  
Check battery crash protection  
Check battery voltage

## EMPENNAGE

### VERTICAL STAB

Check all glue joints for rigidity where joined to fuse  
Check rudder hinges  
Check rudder control horn  
Rudder throw will be checked and set under CONTROL OPERATION

### HORIZONTAL STAB

Check all glue joints for rigidity where joined to fuse  
Check elevator hinges  
Check elevator control horn  
Elevator throw will be checked and set under CONTROL OPERATION

## WING

### CONTROL SURFACES

Check aileron hinges  
Check aileron control horns  
Aileron operation will be checked and set under CONTROL OPERATION 2

### WING ALIGNMENT

Check wings center section joint  
Check wings for warp

## CONTROL OPERATION

### TRANSMITTER

Check for card in frequency slot on transmitter impound before operating transmitter

Check transmitter voltage meter for proper operating voltage

Check for proper flags on transmitter

Set all trim controls on center

### RUDDER AND NOSE GEAR

Check rudder for correct direction ( check also nose gear if tricycle gear) (change transmitter switch if necessary)

Check for proper throw

Check all hardware for tightness ( especially nose gear control horn on shaft)

### ELEVATOR

Check for correct direction (change transmitter switch if necessary)

Check for proper throw

Check all hardware for tightness

### AILERON

Check for correct direction (change transmitter switch if necessary)

Check for proper throw

Check all hardware for tightness and check aileron control shaft from pushrod connection through trailing edge bearings to connection on aileron. There should be no "slop" in the system.

Check for symmetry in neutral position.

Check all hardware for tightness

### THROTTLE

Check for correct direction (change transmitter switch if necessary)

Check for proper throw. Trim down-carb barrel closed. Trim up-carb open to fast idle. Throttle control off for these checks. Throttle full up-carb barrel full open.

Check all hardware for tightness

## BUDDY BOX OPERATION

### TRIM

Set all transmitter and buddy box trim to neutral or center position.

Ensure that the buddy box power switch is OFF.

### OPERATION

Check buddy box for proper tracking with main transmitter for Rudder, Elevator, Aileron, and Throttle. Correct buddy box as necessary to track with main transmitter.

### RANGE CHECK

Range check transmitter with antenna collapsed and distance of 200 feet.

Check also operation of buddy box through transmitter at the range check.