

YAK 54 89"

INSTRUCTION MANUAL ADDENDUM

It has come to our attention that there are some errors in the manual for the Hangar 9 YAK 54 89-inch. Please replace the appropriate sections in the manual with those listed in this addendum.

Please replace the following section on Page 4 with:

Radio and Power Systems Requirements

- 7-channel computer radio system (minimum) w/receiver
- 36-Inch Servo Extension (JRPA103) (2)
- JR Deluxe Switch (JRPA001) (1)
- 12-inch Servo Lead Extension (JRPA098) (2)
- 3-inch Double Side Aluminum Adjustable Spline Servo Arm (JRPA237) (1 pkg)
- JR 8411, 8611A or 8711 Metal Geared high-torque servos (5) or equivalent
- Large Servo Arms (JRPA236) (4 pkgs)
- JR Charge Jack Switch (JRPA004)
- 9-Inch Servo Extension (JRPA097) (3)
- Choke Ring (JRPA029) (For throttle servo lead)

Caution: Only metal-gear servos of 180 oz/in torque or greater should be used on the control surfaces.

- 2700mAh or larger for receiver
- 1500mAh or larger for ignition (4.8 or 6.0V for DA-50, 2-cell Li-Po for Evolution® Gas engines)

The elevator installation will require:

Two servos and mixing through the radio

Or

Two servos and a JR® MatchBox™ (JPA0900)

Please replace the text on Page 10 under Rudder and Rudder Servo and Installation:

Required Parts

- Fuselage
- Rudder hinge wire
- Rudder tiller
- #4 washer (2)
- Rudder control cable
- Threaded cable end (4)
- 3mm x 16mm sheet metal screw (2)
- 4-40 x 1/2-inch socket head screw (2)
- Rudder
- Control horn (2)
- Tail gear assembly
- Steering spring (2)
- Cable crimp (4)
- Servo

Required Tools and Adhesives

- Felt-tipped pen
- Drill bit: 5/64-inch (2mm)
- Crimping tool
- Double Side Aluminum Adjustable Spline Servo Arm
- Drill
- Thin CA
- 2.5mm hex wrench

Please replace Step 7 on Page 11 with:

Step 7

Attach the rudder tiller to the bottom of the rudder using two 3mm x 16mm socket head sheet metal screws. Use a 2.5mm hex wrench to tighten the screws.



Please replace the text on Page 14 under Stabilizer Servo and Installation with:

Required Tools and Adhesives

- Ruler
- Servo w/hardware (2)
- 36-inch (914mm) servo extension (2)
- Adjustable wrench
- 1 1/2-inch Single Side Alum Adj. Spline Servo Arm (2)
- Pro-Link wrench (optional)

Please replace Step 7 on Page 16 with:

□□ Step 7

Secure a 36-inch (914mm) servo extension to the elevator servo. Slide the tube into the fuselage while guiding the extension into the fuselage toward the radio area.



Please replace the text on Page 17 under Landing Gear Installation with:

Required Parts

- Fuselage
- Axles w/nut (2)
- #8 washer (4)
- 4-40 blind nut (4)
- Wheel pant (left and right)
- 5-32 wheel collar w/setscrew (4)
- 4-40 x 5/8-inch socket head screw (4)
- 8-32 x 1 1/4-inch socket head screw (4)
- Landing gear
- #8 lock washer (4)
- #4 washer (4)
- Wheel (2)
- #4 lock washer (4)

Required Tools and Adhesives

- Adjustable wrench (2)
- Threadlock
- Drill bit: 9/64-inch (3.5mm)
- Threadlock
- Flat screwdriver
- Drill
- Felt-tipped pen

Please replace Step 10 on Page 19 with:

□□ Step 10

Use a drill and 9/64-inch (3.5mm) drill bit to drill the two holes to install the 4-40 blind nuts inside the wheel pant.



Please replace Step 12 on Page 19 with:

□□ Step 12

Secure the wheel pant to the landing gear using two 4-40 x 5/8-inch socket head screws, two #4 lock washers and two #4 washers.



Replace the text on Page 20 under Engine Installation with the following:

Required Parts

- Fuselage
- Ball link (2)
- 1/4-20 socket head bolt (4)
- Large pushrod keeper
- 1/4-inch split washer (4)
- Throttle pushrod

Required Tools and Adhesives

- Medium CA
- Drill
- Drill bit: 1/4-inch (6mm)
- Ruler
- Square
- Hobby knife
- Razor saw
- Rotary tool
- Pliers
- Felt-tipped pen
- Pin drill
- Side cutters
- Drill bit: 3/32-inch (2.5mm)

Please insert the following steps after Step 12 on Page 24 with:

Step 12A

Align the throttle pushrod with the outer hole of the servo arm. Use a felt-tipped pen to mark the pushrod where it crosses the outer hole of the servo arm.



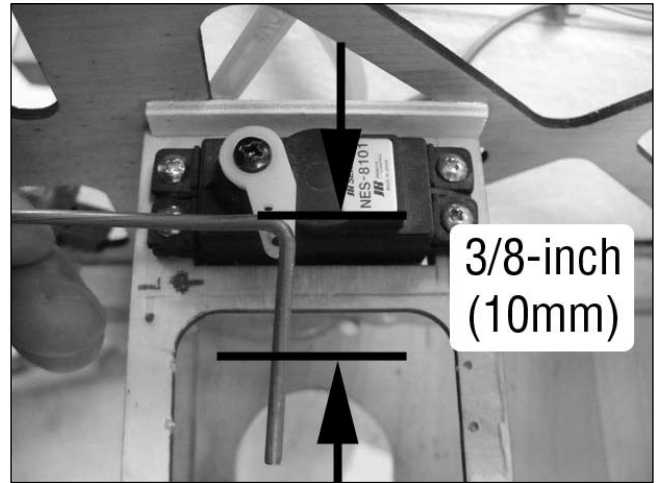
Step 12B

Use pliers to bend the throttle pushrod wire 90 degrees at the mark made in the previous step.



Step 12C

Use side cutters to remove the excess pushrod wire 3/8-inch (10mm) from the bend as show so it does not interfere with the operation of the throttle servo.



Step 12D

Enlarge the outer hole of the servo arm using a pin drill and 3/32-inch (2.5mm) drill bit. Pass the pushrod wire into the hole in the servo arm.



Step 12E

Slide the large pushrod keeper onto the pushrod wire from underneath the servo arm as shown.



Step 12F

Snap the pushrod keeper onto the pushrod wire. You may need to use pliers to apply enough force to snap the keeper onto the wire.



Replace the text on Page 25 under Radio Installation with the following:

Required Tools and Adhesives

- Drill
- Hobby knife
- Drill bit: 3/8-inch (9.5mm)

Replace Step 1 on Page 25 with:

Step 1

Drill a 3/8-inch (9.5mm) hole in the fuselage to mount the fuel dot to the side of the fuselage.



Please replace the text on Page 27 under Pilot and Canopy Installation with:

Required Parts

- Fuselage
- Instrument panel decal
- Canopy hatch
- #4 lock washer (6)
- #4 nylon washer (6)
- 4-40 x 1/2-inch socket head screw (6)
- Pilot figure
- Canopy

Please replace Step 7 and Step 8 on Page 28 with:

Step 7

Use six 4-40 x 1/2-inch socket head screws, six #4 nylon washers and six #4 lock washers to secure the canopy hatch to the fuselage. Use a 3/32-inch hex wrench to tighten the screws.



Step 8

Use canopy glue to attach the canopy to the canopy hatch. Use painter's tape to hold the canopy in position until the glue fully cures.

