Warning! This model is not a toy.

It is designed for maximum performance. Please seek advice if one is not familiar with this kind of engine powered precision model. Operating this model without prior preparation may cause injuries. Remember, safety is the most important thing. Always keep this instruction manual at hand for quick reference.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>70.5 in / 1790 mm</td>
</tr>
<tr>
<td>Wing Area</td>
<td>734 sq in / 47.4 sq dm</td>
</tr>
<tr>
<td>Flying Weight</td>
<td>9.5 lbs / 4300 g</td>
</tr>
<tr>
<td>Fuselage Length</td>
<td>49.6 in / 1260 mm</td>
</tr>
</tbody>
</table>

*Specifications are subject to change without notice.*
BEFORE YOU BEGIN

1 Read through the manual before you begin, so you will have an overall idea of what to do.

2 Check all parts. If you find any defective or missing parts contact your local dealer. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will not extend to the parts that are good before gluing to defective parts during assembly.

3 Symbols used throughout this instruction manual comprise of the following:

- **Apply epoxy glue.**
- **Apply instant glue (C.A. glue, super glue.)**
- **Apply thread locker**
- **Must be purchased separately!**
- **Assemble left and right sides the same way.**
- **Ensure smooth non-binding movement while assembling.**
- **Peel off shaded portion covering film.**
- **Cut off shaded portion.**
- **Drill holes with the specified diameter (here: 3mm).**
- **Pierce the shaded portion covering film.**
- **Pay close attention here!**
- **Warning!** Do not overlook this symbol!
## Parts List

1. **FUSELAGE & COVER** -- 2sets
2. **MAIN WING** -- 1set
3. **STABILIZER & ELEVATOR** -- 1set
4. **VERTICAL FIN & RUDDER** -- 2sets
5. **CANOPY** -- 2pcs
6. **PILOT (#PC001063A)** -- 2pcs
7. **COWLING** -- 2pcs
   - **TRANSPARENT DUMMY COWLING** -- 1pc
8. **SPINNER Ø82mm** -- 2pcs
9. **ENGINE MOUNT PL5111-050** -- 2sets
10. **FUEL TANK 320cc** -- 2sets
11. **SPONGE (For Radio Equipment)** -- 1pc
12. **TAIL LANDING GEAR** -- 2sets
13. **MAIN WHEEL D55xd21x18mm** -- 2pcs
14. **TAIL WHEEL D25x12.5x9mm** -- 2pcs
15. **PUSHWIRE:**
   - **METAL ROD Ø1.7x70mm with Threads (For Flap Servo)** -- 1pc
   - **METAL ROD Ø1.7x80mm with Threads (For Aileron Servo)** -- 2pcs
   - **METAL ROD Ø1.7x650mm with Threads (For Elevator & Rudder Servo)** -- 3pcs
16. **THROTTLE PUSHWIRE Ø1.2x380mm**
    - with Plastic tube d2x3x250mm -- 2sets
17. **WOODEN PARTS:**
   - **BALSA 8x12x20mm (For Aileron & Flap Servo)** -- 6pcs
   - **BALSA 10x10x98.5mm (For Fixing Fuel Tank)** -- 2pcs
   - **PLYWOOD 2x58x71mm (For Flap Servo)** -- 1pc
   - **PLYWOOD 2x58x74mm (For Aileron Servo)** -- 2pcs
18. **PLASTIC:**
   - **CLEVIS** -- 6pcs
   - **PLATE 0.6x46x77mm (Landing Gear Cover)** -- 1pc
   - **STRAPER** -- 3pcs
   - **TRI-HORN 3x9mm (L)** -- 3sets
   - **TRI-HORN 3x14mm (L)** -- 3sets
19. **METAL PARTS:**
   - **ADJUSTER 2.1mm** -- 7sets
   - **ALUMINIUM ROD d13xD16x161mm** -- 2pcs
   - **COLLAR 2.1mm w/set screw** -- 4pcs
   - **COLLAR 4.1mm w/set screw** -- 2sets
   - **NUT 3mm** -- 16pcs
   - **SCREW PA3x12mm** -- 4pcs
   - **SCREW PM2x12mm** -- 6pcs
   - **SCREW PM2x16mm** -- 12pcs
   - **SCREW PM3x13mm** -- 2pcs
   - **SCREW PM3x16mm** -- 4pcs
   - **SCREW PM3x30mm** -- 8pcs
   - **SCREW PM3x35mm** -- 4pcs
   - **SCREW PM4x25mm** -- 8pcs
   - **SCREW PM4x30mm** -- 4pcs
   - **SCREW PWA2x8mm** -- 8pcs
   - **SCREW PWA2X12mm** -- 12pcs
   - **SCREW PWA2.3x12mm** -- 8pcs
   - **WASHER d3xD7mm** -- 18pcs
   - **WASHER d3xD12mm** -- 8pcs
   - **WASHER d4xD9mm** -- 8pcs
   - **WASHER d4xD15mm** -- 4pcs
20. **FUEL TUBE Ø6x6mm** -- 9pcs
21. **FUSELAGE STICKER & LOGO** -- 1set
1. **Main Wing**

   Peel off shaded portion covering film

2. **Main Wing**

   Peel off shaded portion covering film

3. **Main Wing**

   Peel off shaded portion covering film

   Peel off shaded portion covering film

   Peel off shaded portion covering film

   *TOP VIEW*

   Flap

   *BOTTOM VIEW*
4 Landing Gear

- KA3 x 14mm Screw
- PWA2 x 12mm Screw
- 3mm Set Screw
- 4.1mm Collar

5 Main Wing

- PM3 x 16mm Screw
- PWA2 x 12mm Screw
- d3 x D12mm Washer
- Aileron Servo
- Wing Joiner d13xD16x161mm
- PM3 x 16mm
- d3xD12mm
6 Landing Gear Servo

- PWA2 x 12mm Screw
- 3 x 3mm Set Screw
- Linkage Stopper
- 2mm Nut
- 2mm Washer

7 Main Wing

- PM 2 x 16mm Screw
- Straper
- Fuel Tube Ø6x6mm
- PM2x16mm Clevis
- Fuel Tube Ø6x6mm
- Tri-horn 3x9mm
- Aileron Servo
- Fuel Tube Ø6x6mm
- Flap Servo
- PM2x16mm
- Clevis
- Fuel Tube Ø6x6mm
- Tri-horn 3x9mm
11 Engine

PM3 x 30mm Screw
3mm Washer
3mm Nut

12 Cowling

PWA2.3 x 12mm Screw

13 Servo Set

**Adjuster**

3 x 3mm Set Screw
Linkage Stopper
2mm Nut
2mm Washer

Included with the Radio Set.

Throttle Servo, Rudder Servo, Elevator Servo.
14 Radio Equipment

- Install and arrange the servo as shown in the diagram.

Fuselage (R-side)

- Bottom View

15 Radio Equipment

- Install and arrange the servo as shown in the diagram.

Fuselage (L-side)

- Bottom View

16 Canopy

- Pilot #PC001063A
- PWA2 x 8mm
- PWA2 x 8mm Screw
- 2.5mm
- 1mm
19 Main Wing

PM4 x 30mm Screw — 4
d4 x D15mm Washer — 4

PM4 x 30mm

20 Main Wing

PM3 x 13mm Screw — 2
d3 x D7mm Washer — 2

PM3 x 13mm
d3 x D7mm

Peel off shaded portion covering film.

L/R

21 Wing Setting

Rudder

Rudder

90° 90°

Elevator

A = A'
B = B'
C = C'
D = D'
E = E'
F = F'

Adjust the wing and fuselage configuration as in the diagrams.
**22 Control Ranges**

Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

**23 C.G. Point**

The ideal C.G. position is **80mm (3.15 in.)**behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.

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**Warning! Important Safety Precautions**

# First time flyer should never fly by himself / herself. Assistance from experienced flyer is absolutely necessary.

# Pre-flight adjustment must be done before flying, it is very dangerous to fly a badly pre-adjusted aircraft.

# P-82 MUSTANG-40 is specially designed to be powered by 2X2C 0.40-0.46 engine, using a more powerful engine does not mean better performance. In fact, over powered engine may cause severe damage and injuries.

# Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller.

# If you find wrinkles on the covering as a result of weather changes, you can use hot iron to remove the wrinkles. Please begin with lower temperature setting and gradually raise the temperature until the wrinkles are gone. Too hot an iron may damage the covering.

# Check and re-tighten up all factory assembled screws, use thread locker if applicable.