

Issue 6

Complete the cockpit area

In this issue, we will assemble the pilot's seat in the cockpit and also construct the canopy's opening and closing mechanism. Since there are many steps involved, take your time and work carefully.

Tools Needed

The following tools and materials are required to assemble this issue. Prepare them before starting work.

☐ **Screwdriver**
Included in issue 1.

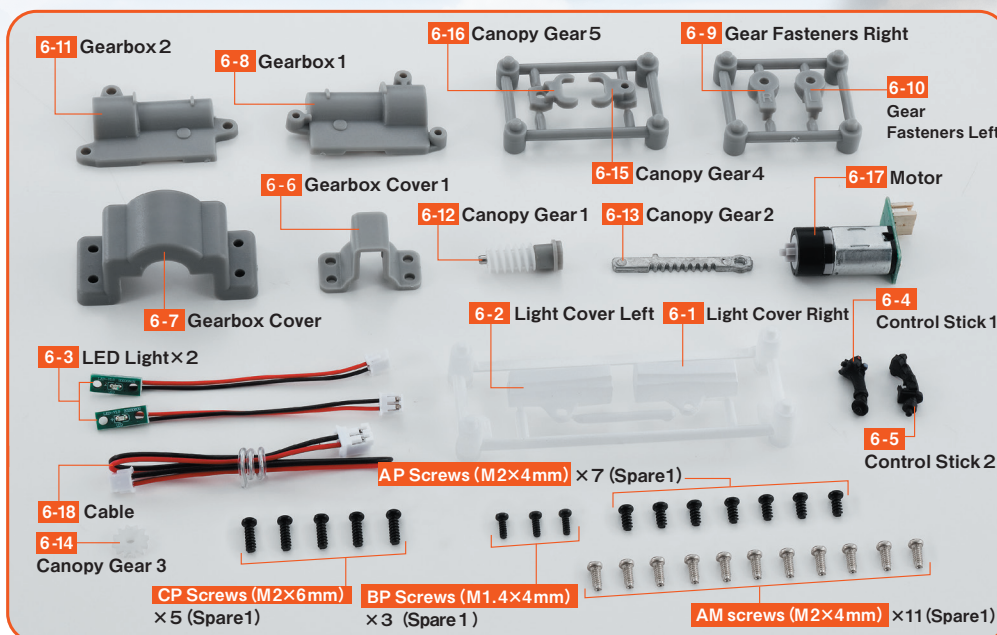
☐ **Modeling Nippers**
For removing parts from the model sprues

☐ **AA batteries**
For testing LED lighting.

☐ **Universal adhesive**
For joining metal parts.

☐ **ABS Cement**
For joining ABS plastic parts.

Demonstration videos



Explanation of Symbols



Indicates where to attach included screws.



Indicates when to use adhesive. The correct adhesive will be indicated for each instance.

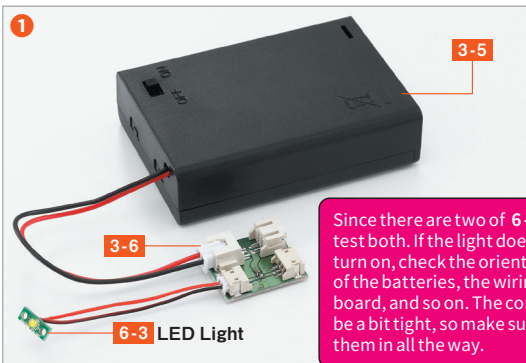


Cautions and Prohibitions



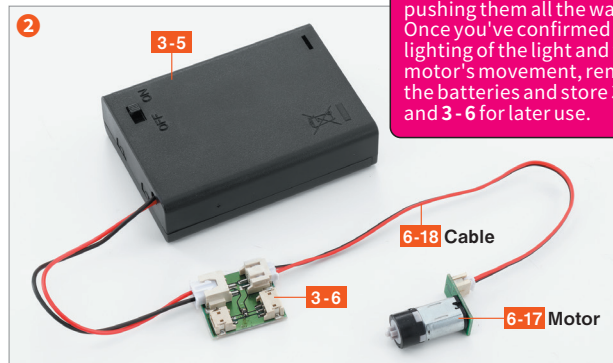
Key points for using tools and techniques.

1 Perform LED lighting and motor operation tests.



Since there are two of 6-3, test both. If the light does not turn on, check the orientation of the batteries, the wiring on the board, and so on. The connectors may be a bit tight, so make sure not to push them in all the way.

Prepare the battery box for 3-5 as step 1 of issue 3, and wire the connectors from 3-5 and 6-3 LED Light as shown to the 3-6 Test Board. Turn on the switch of the battery box and confirm the lighting of the LED light.

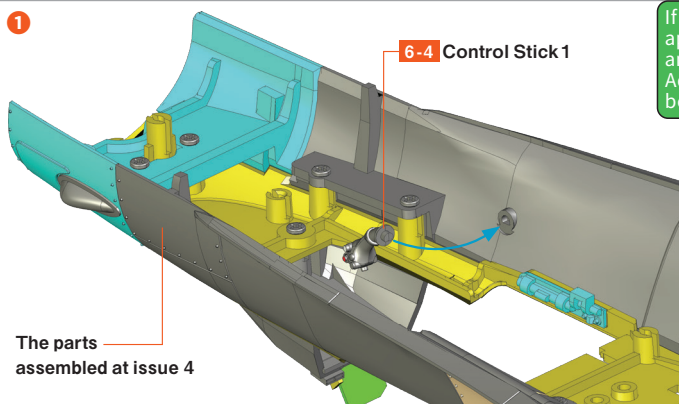


The connectors may be a bit tight, so avoid pushing them all the way in. Once you've confirmed the lighting of the light and the motor's movement, remove the batteries and store 3-5 and 3-6 for later use.

Connect 6-18 Cable to 6-17 Motor and wire it with 3-5 Connector on 3-6 Test Board as shown. Turn on the battery box switch and confirm the motor's operation.



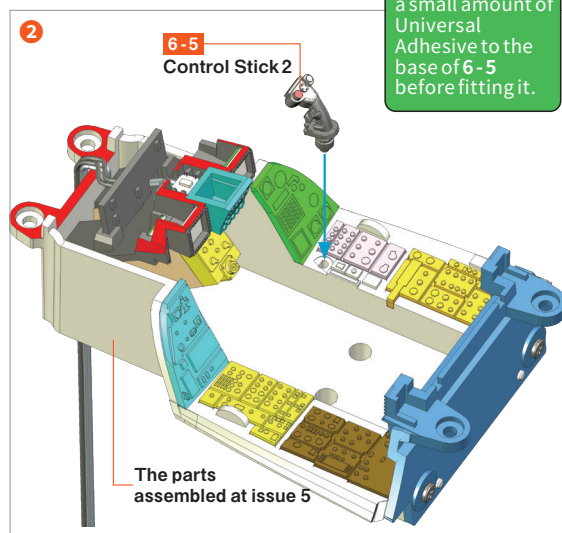
2 Assemble the cockpit



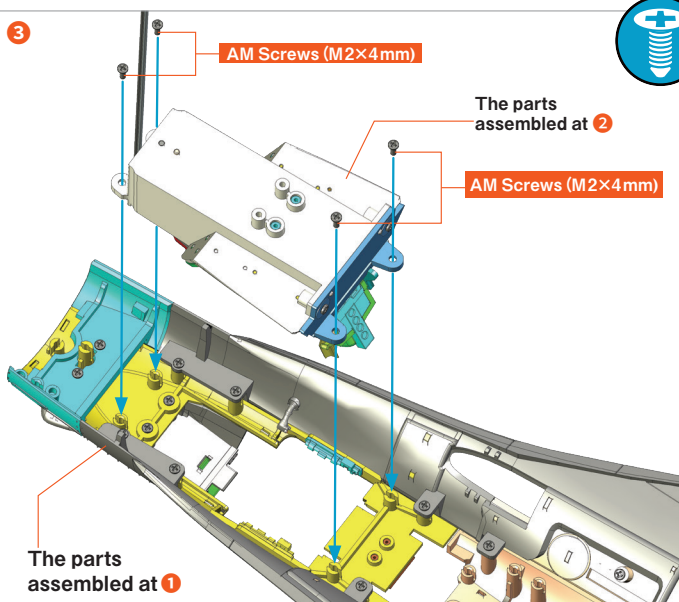
If the fit is loose, apply a small amount of Universal Adhesive to the base of 6-4 before fitting it.

Insert **6-4 Control Stick 1** into the fuselage assembled at Issue 4 as shown.

If the fit is loose, apply a small amount of Universal Adhesive to the base of 6-5 before fitting it.

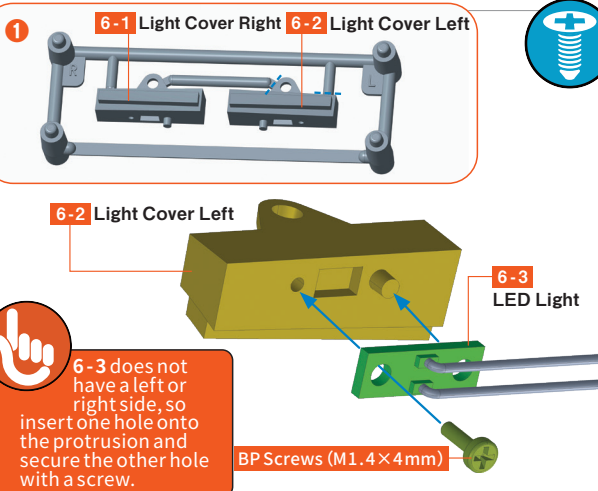


Insert **6-5 Control Stick 2** into the cockpit assembled at Issue 5 as shown.

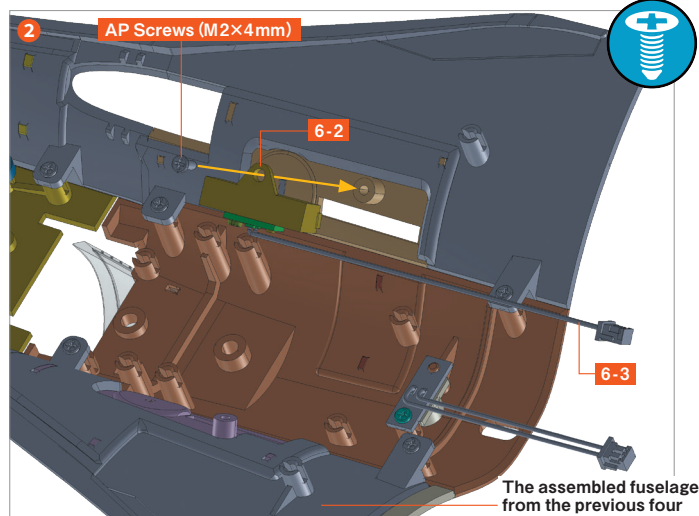


Attach the cockpit assembled in **2** to the fuselage assembled in **1** as shown in the diagram, and secure it in place with four **AM screws (M2 × 4 mm)**.

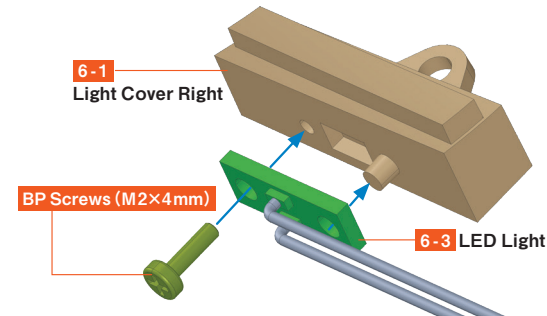
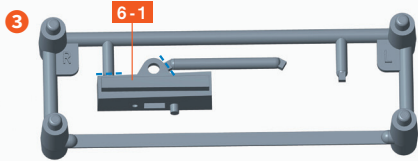
3 Assemble the fuselage



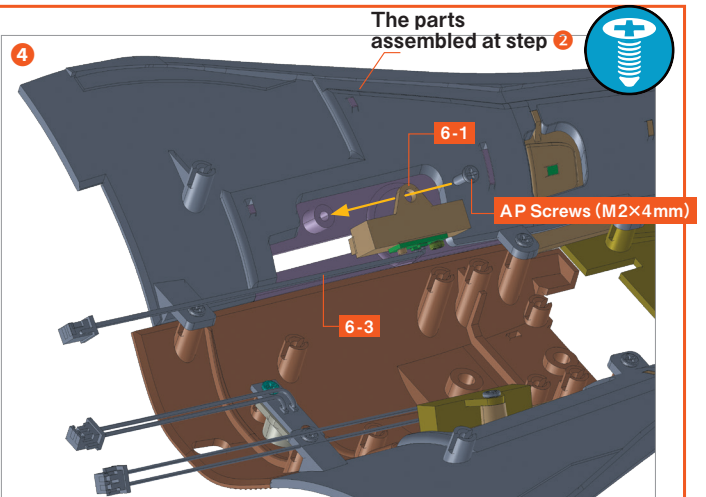
Cut out the **6-2 Light Cover Left** from the runner at the marked location. Then, insert one **6-3 LED light** as shown and secure it with **BP screws (M1.4 × 4 mm)**.



Attach the LED light with the cover from **1** to the fuselage assembled up to issue 5, and secure it with **AP screws (M2 × 4 mm)**.

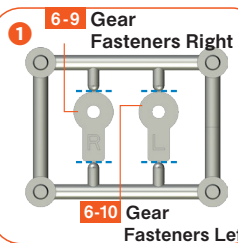


Cut out the **6-1 Light Cover Right** from the runner at the position marked with the blue dashed line. Insert one of the **6-3 LED Light** as shown and secure it with **BP screws (M1.4x4mm)**.

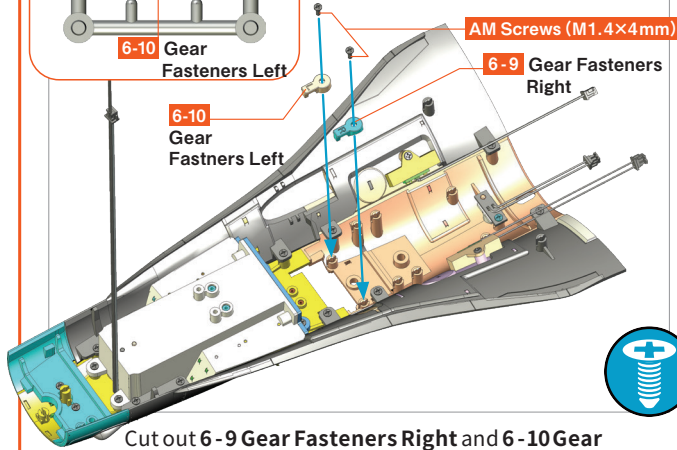


Attach the LED light with the cover from **3** to the fuselage assembled at step **2** as shown. Secure it in place using **AP screws (M2x4mm)**.

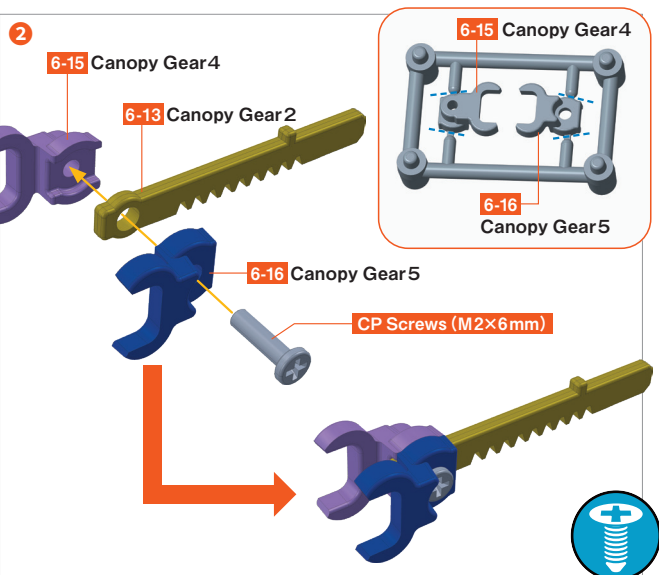
4 Assemble the canopy opening/closing mechanism



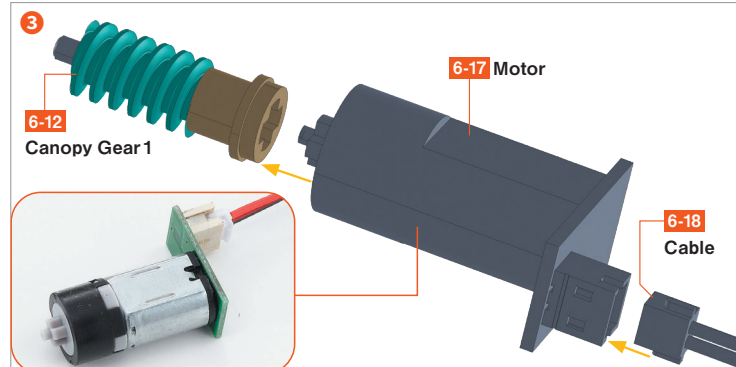
6-9 and 6-10 have "L" and "R" markings on the parts. Make sure to correctly match the left and right sides when fastening the screws.



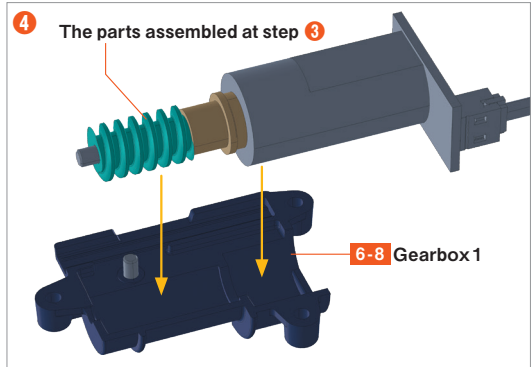
Cut out **6-9 Gear Fasteners Right** and **6-10 Gear Fasteners Left** from the runner at the blue dashed lines. Attach them to the fuselage as shown using **AM screws (M1.4x4mm)**.



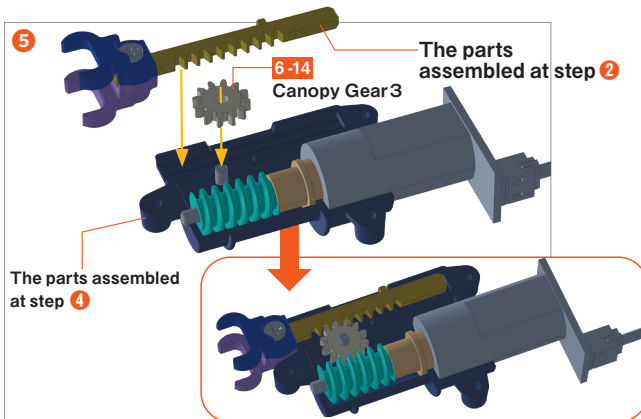
Cut out **6-15 Canopy Gear 4** and **6-16 Canopy Gear 5** from the runner at the blue dashed lines. Set them in **6-13 Canopy Gear 2** as shown and secure them using **CP screws (M2x6mm)**.



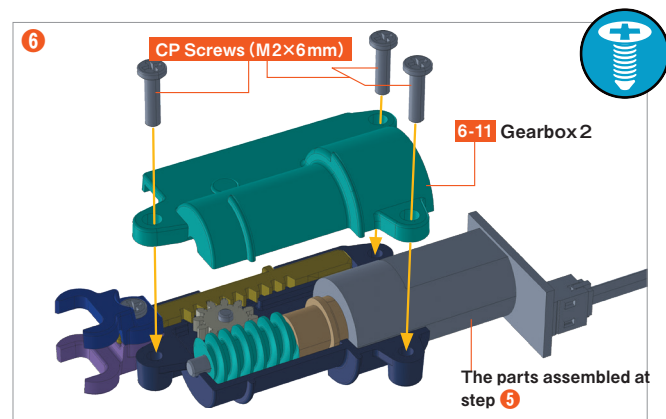
Insert the cross-shaped depression of **6-12 Canopy Gear 1** onto the cross-shaped protrusion at the tip of **6-17 Motor**. At the same time, connect the **6-18 Cable** connector to the opposite side of the **6-17 Motor**.



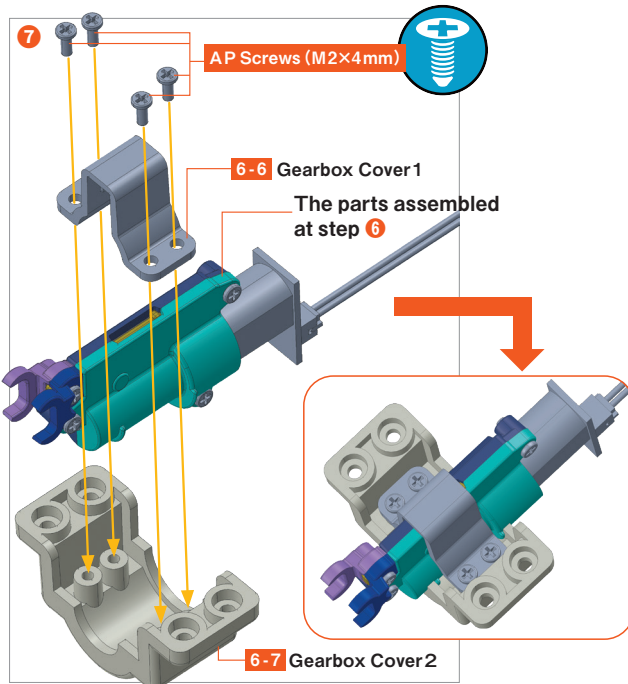
Attach the canopy gear assembled at step **3** to **6-8 Gearbox 1** as shown.



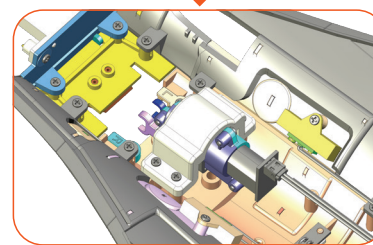
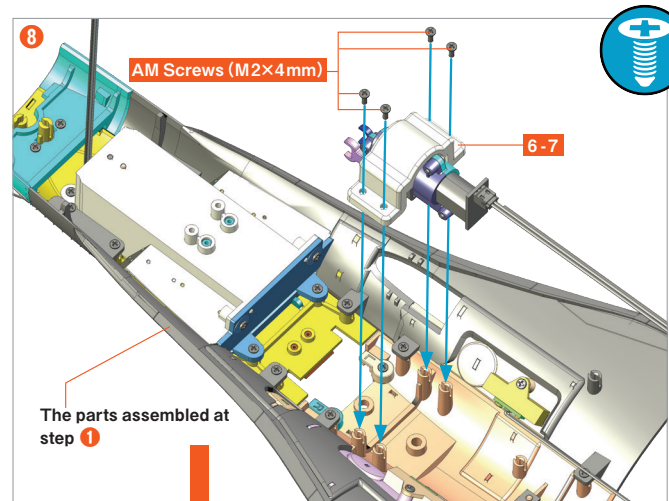
Insert the **6-14 Canopy Gear 3** and the canopy gear assembled at step **2** into the canopy gear assembled at step **4** as shown.



Insert the canopy gear assembled at step **5** into the **6-11 Gear Box 2** and secure it in place with **CP screws (M2 x 6 mm)** at three locations.

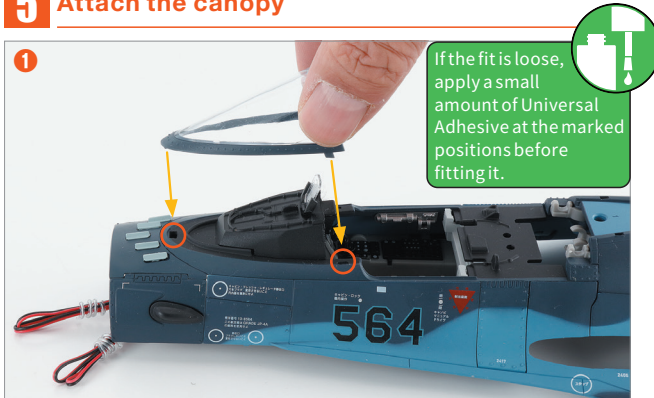


Insert the canopy gear assembled at step **6** on top of **6-7 Gearbox Cover 2** as shown, then cover it with **6-6 gear box cover 1** and secure them together using **AP screws (M2 x 4 mm)** at four locations.



With **6-7** uppermost, attach the canopy gear assembled at step **7** to the fuselage assembled at step **1** using **AM screws (M2 x 4 mm)** as shown.

5 Attach the canopy



Insert the canopy assembled in issue 2 into the fuselage.

Complete!

The assembly for this issue is complete. You can also use the battery box and test board included in issue 3 to illuminate the lights.

※ You can use the battery box and test board to illuminate the cockpit lighting but do not connect and operate the canopy motor yet.

