

Assemble the lower fuselage 11

In this issue we will carefully test the landing gear retraction and deployment, attach it to the fuselage underside and check the navigation lights illumination.



Tools Needed

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

- ☐ **Screwdriver**
Included in Issue 1.
- ☐ **3 AA batteries**
For using test battery box.
- ☐ **Transparent tape**
Using for sticker protection.
- ☐ **ABS Cement**
For joining ABS plastic parts.

Check!

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.

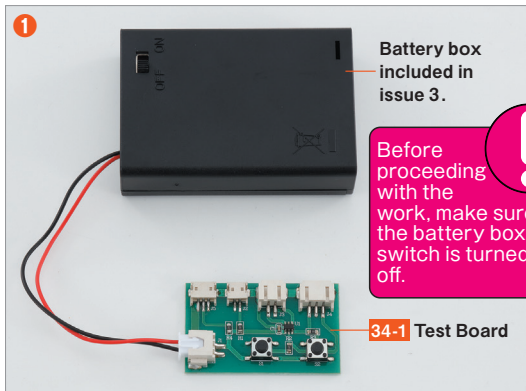


Cautions and Prohibitions.

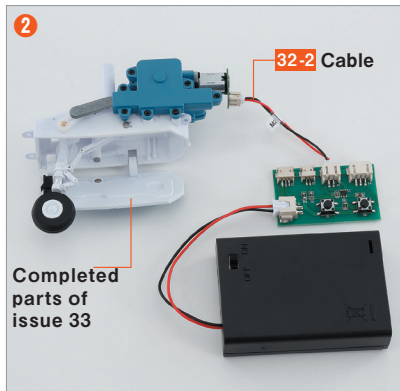


Key points for using tools and techniques.

1 Perform landing gear operation test

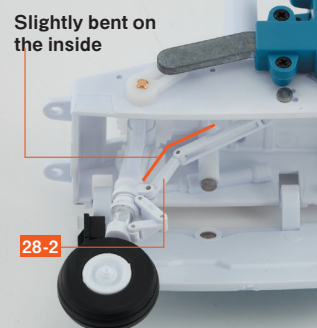


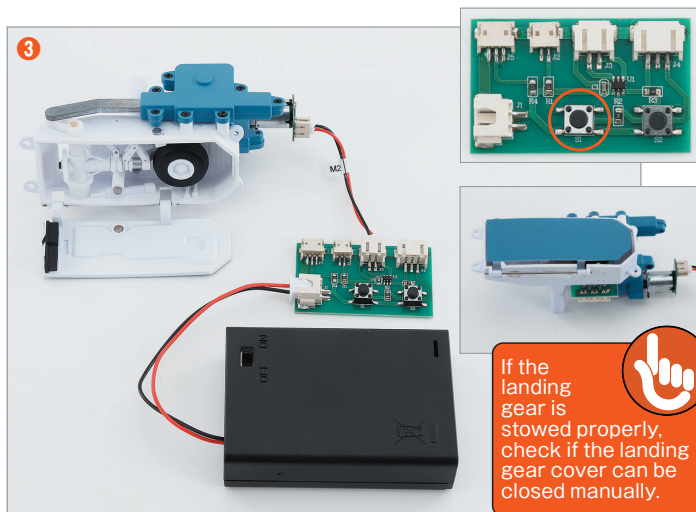
Insert three AA batteries into the battery box included in issue 3 and insert the connector into the **34-1 Test Board** as shown.



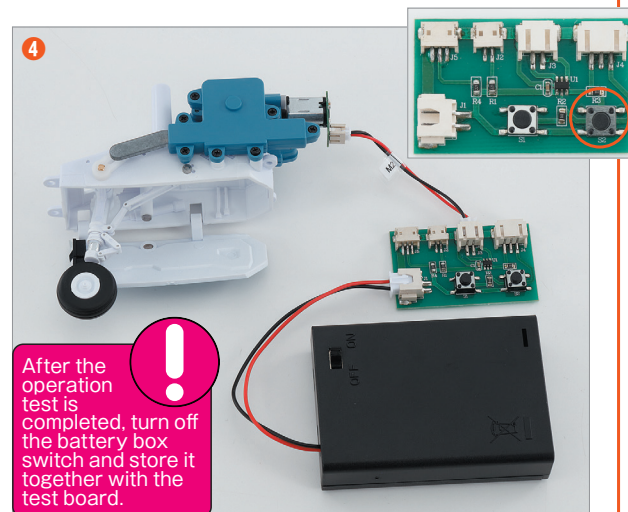
Insert the connector of the **32-2 Cable** of the completed part of issue 33 as shown.

At this time, check that the **28-2** inside the landing gear box is slightly bent outward as shown in the photo. If it is bent in the opposite direction, the landing gear may not be able to be stowed properly.





If the landing gear is stowed properly, check if the landing gear cover can be closed manually.

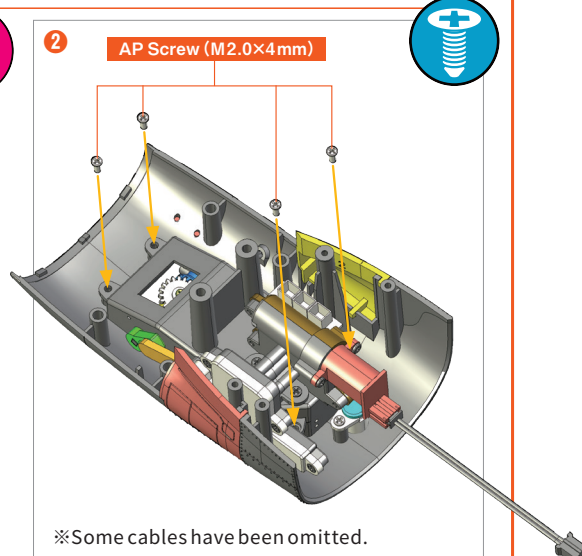
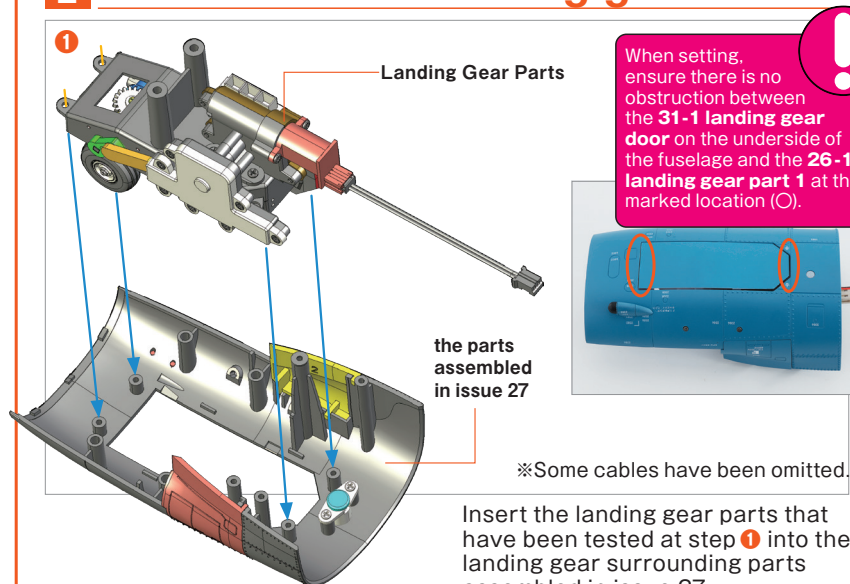


After the operation test is completed, turn off the battery box switch and store it together with the test board.

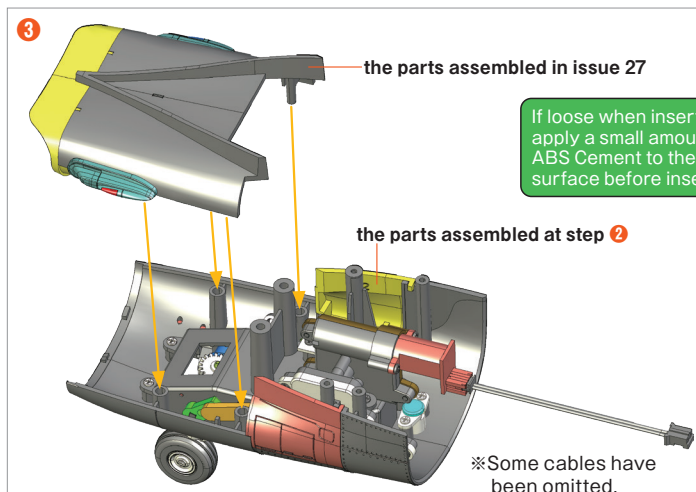
Turn on the battery box switch, press the switch marked with ○ and check if the landing gear is stowed properly.

Turn on the battery box switch, press the switch marked with ○ and check if the landing gear is deployed properly.

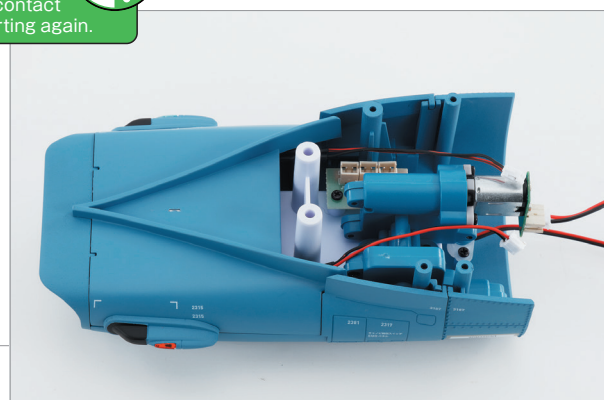
2 Assemble the landing gear



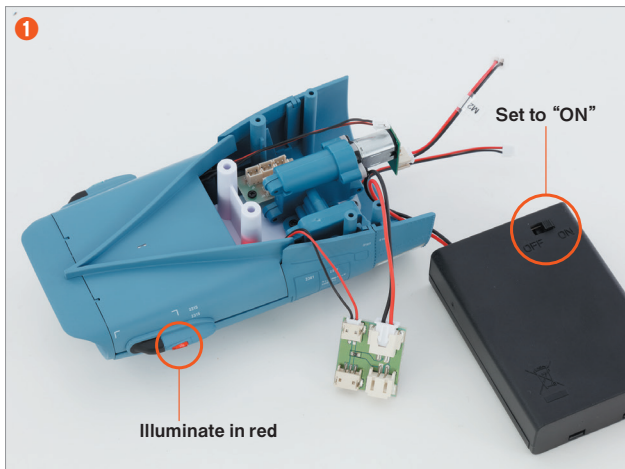
Secure the position of the landing gear set at step 1 with **AP screws (M2.0×4mm)** at four points as shown.



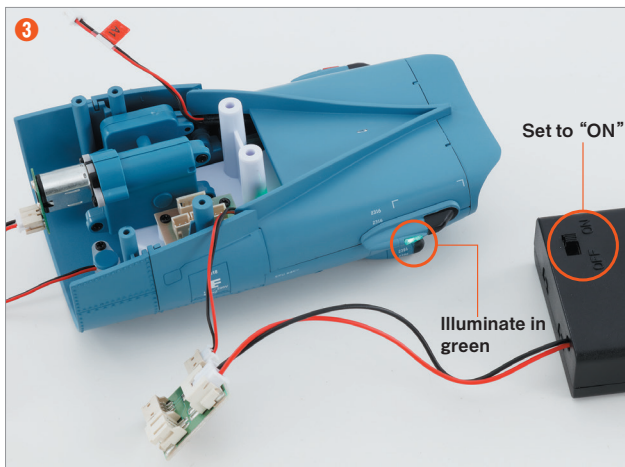
Insert the air intake assembled in issue 27 into the landing gear surrounding parts assembled at step 2.



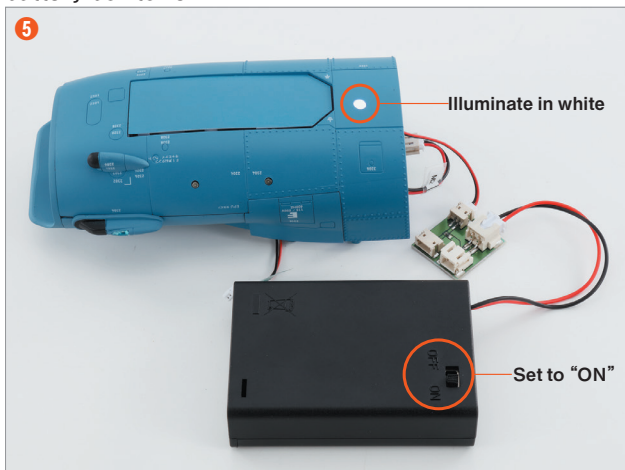
3 Wire the navigation lights



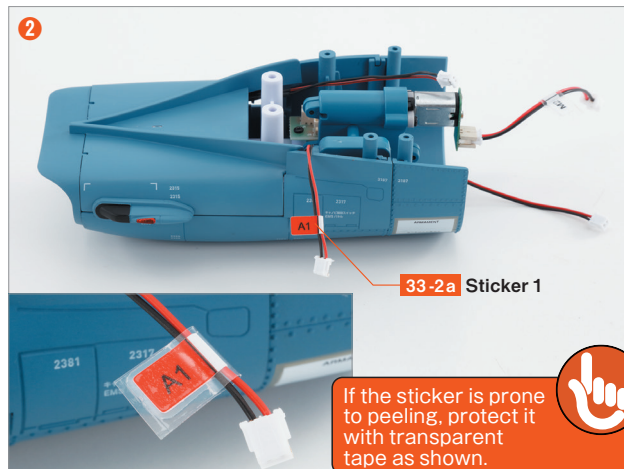
Connect the test board included in issue 3 to the battery box used in step 1 plug the connector into the left side of the fuselage as shown, and set the switch on the battery box to "ON."



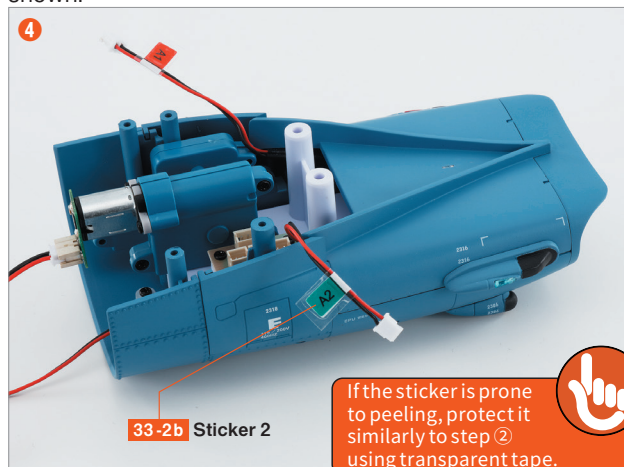
Similarly, connect the test board included in issue 3 to the battery box on the opposite side. Plug the connector into the right side of the fuselage, and set the switch on the battery box to "ON."



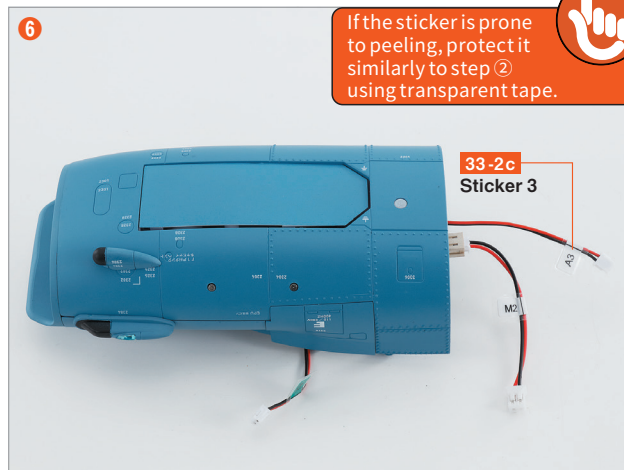
Similarly, connect the test board included in issue 3 to the battery box, plug the connector into the underside of the fuselage, and set the switch on the battery box to "ON."



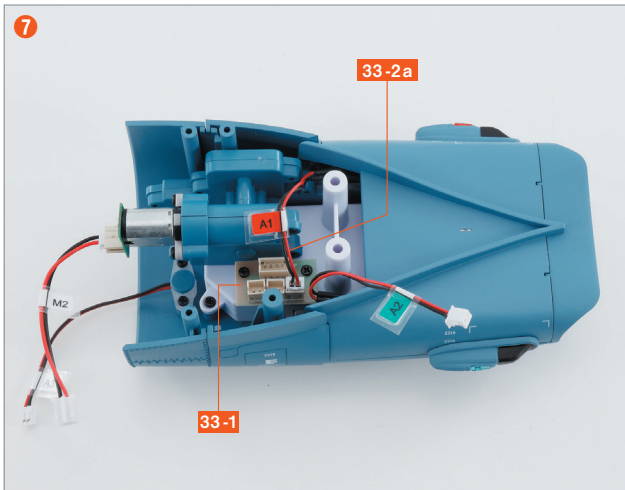
Turn the battery box switch to "ON," and after confirming the illumination of the red light, remove the test board and battery box. Attach the **33-2a Sticker 1** from issue 33 as shown.



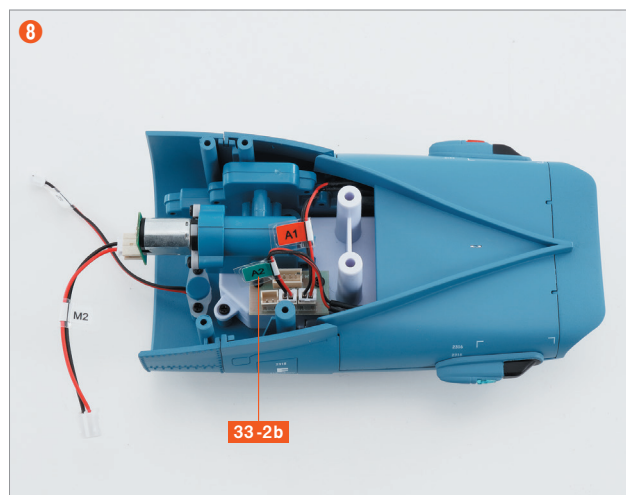
Turn the battery box switch to "ON," and after confirming the illumination of the green light, attach the **33-2b Sticker 2** from issue 32 as shown.



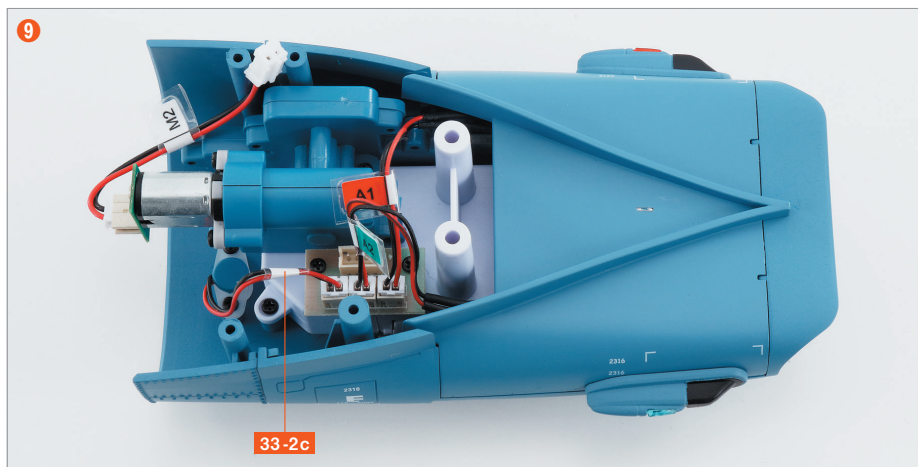
Turn the battery box switch to "ON," and after confirming the illumination of the white light, remove the test board and battery box. Attach the **33-2c Sticker 3** from issue 33 as shown.



Insert the connector with the **33-2a (Red, A1)** sticker into the **33-1** from issue 33 as shown.



Insert the connector with the **33-2b (Green, A2)** sticker into the **33-1** from issue 33 as shown.



Insert the connector with the **33-2c (White, A3)** sticker into the **33-1** from issue 33 as shown.

Complete!

The assembly for this issue is now complete.

