



Issue 27

Assemble the lower fuselage 4

In this issue, we will attach navigation lights to the air intake and the lower part of the fuselage. Be sure to conduct a light test to ensure proper functionality.



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.
- ☐ **ABS Cement**
For joining ABS plastic parts.
- ☐ **3 AA batteries**
For testing LED lighting.

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.

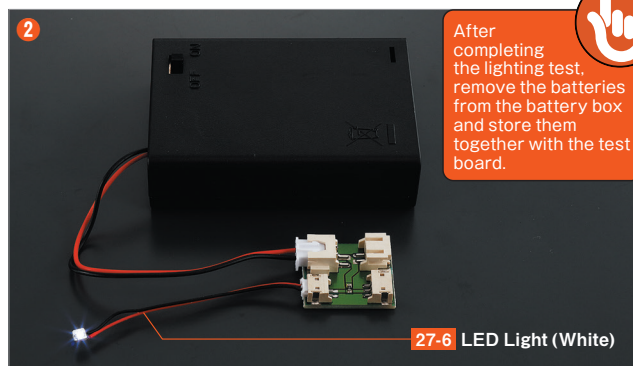


Key points for using tools and techniques.

1 Perform a LED lighting test



Connect the connector of the **27-3 LED Light (Green)** to the battery box and test board provided in issue 3, turn on the switch of the battery box, and confirm that the green light is illuminated.



Connect the connector of the **27-6 LED Light (White)** to the battery box and test board provided in issue 3, turn on the switch of the battery box, and confirm that the white light is illuminated.

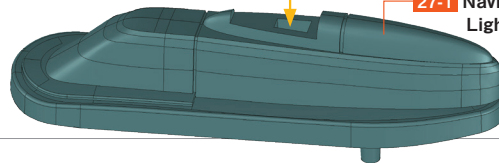
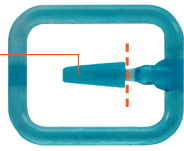
After completing the lighting test, remove the batteries from the battery box and store them together with the test board.



2 Assemble the navigation light parts 1

1

27-2
Navigation
Light Parts 2



27-2 Navigation Light Parts 2

27-1 Navigation Light Parts 1

If loose when inserting, apply a small amount of Universal Adhesive to the base of 27-2 before inserting again.



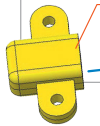
Cut out 27-2 Navigation Light Parts 2 from the sprue and insert it into the 27-1 Navigation Light Parts 1 as shown.

2

27-9 Fiber Optic

27-9 Fiber Optic

27-8 Fiber Optic Base



Trim the portion protruding beyond the fastener at the tip of 27-9 Fiber Optic (blue dashed line) with a nipper. Insert 27-8 Fiber Optic Base into the opposite end of the cut portion as shown and set it in the position.

27-8 has square and round holes. Pass 27-9 through the square hole side.



3

The orientation of 27-3 does not matter. If the fitting part of 27-9 is not properly inserted, 27-3 may not fit well, so be sure to insert 27-9 properly.



27-3 LED Light (Green)



The parts assembled at step 2.

Insert the end light portion of the 27-3 LED Light (Green) into the Fiber Optic Base assembled at step 2.

4

The air intake assembled in issue 25.

The LED light assembled at step 3.

If loose when inserting, apply a small amount of ABS Cement to the two projections where 27-8 will be inserted before inserting again.



5

Cut the optical fiber as precisely as you can at 3 mm from the outer wall of the air intake. The LED light may not transmit if the fiber is too long or too short.



3mm

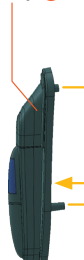
※The 3D diagram is partially omitted.

Insert the LED light assembled at step 3 into the air intake assembled in issue 25 as shown. Gently bend the Fiber Optic and let them extend from the air intake to the outside, as shown by the circle in the diagram.

Cut the fiber optic that was led outside of the fuselage in step 4 at a position 3 mm from the outer wall of the air intake.

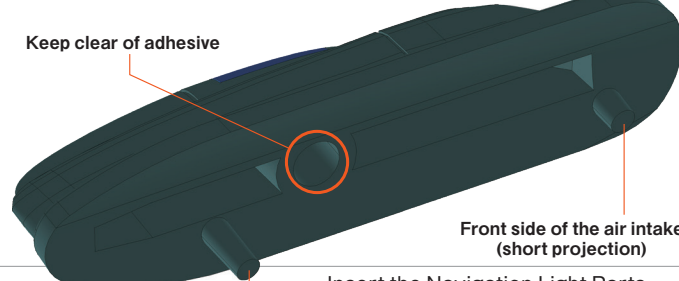
6

The parts assembled at step 1



The parts assembled at step 5

Keep clear of adhesive



Front side of the air intake (short projection)

Rear side of the air intake (long projection)

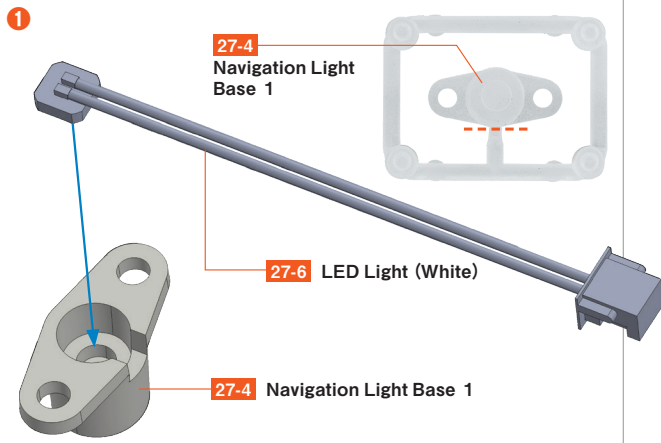
Insert the Navigation Light Parts assembled in step 1 into the Air Intake assembled in step 5 as shown.

If loose when inserting, apply a small amount of ABS Cement to the base of 27-1 before inserting again. The side with the shorter protrusion is the front side of the Air Intake, and the side with the longer protrusion is the rear side. Be careful not to get adhesive on the marked area (O) where the light emission occurs.

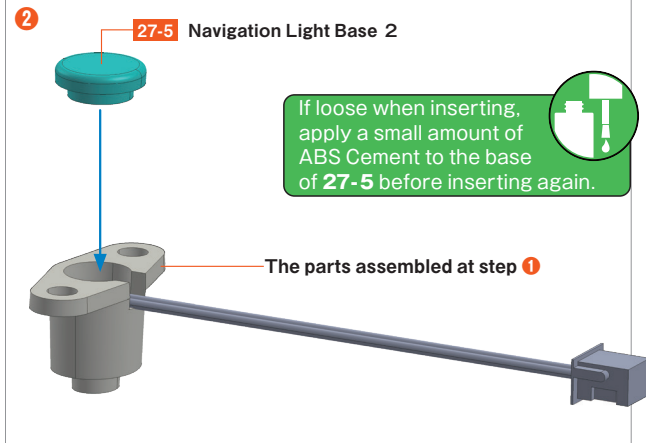




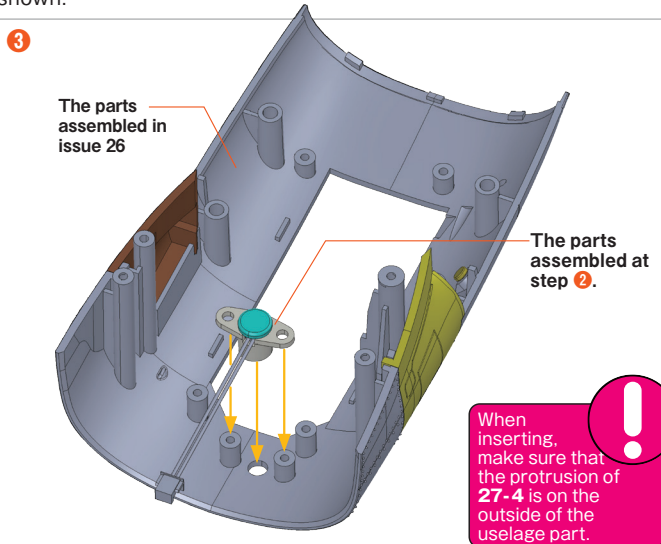
3 Assemble the navigation light parts 2



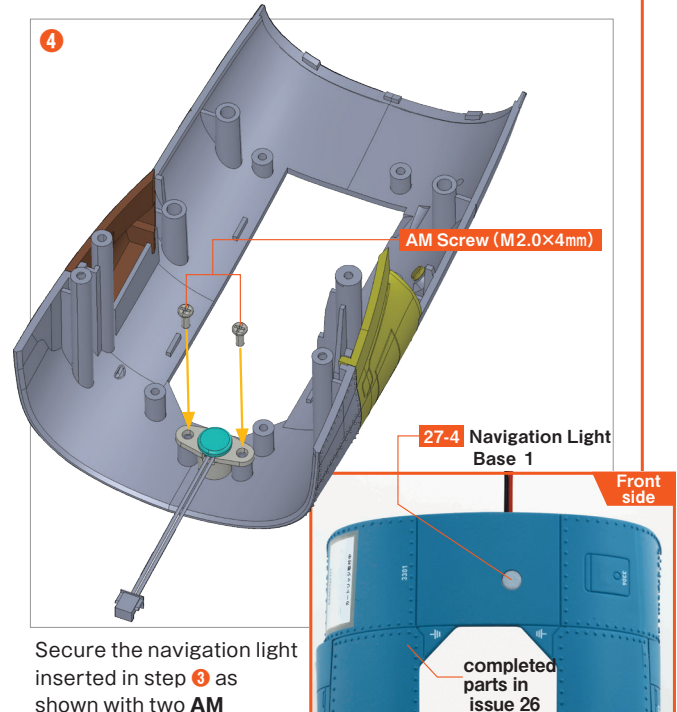
Cut out **27-4 Navigation Light Base 1** from the sprue and insert the light emission part of **27-6 LED Light (White)** into **27-4** as shown.



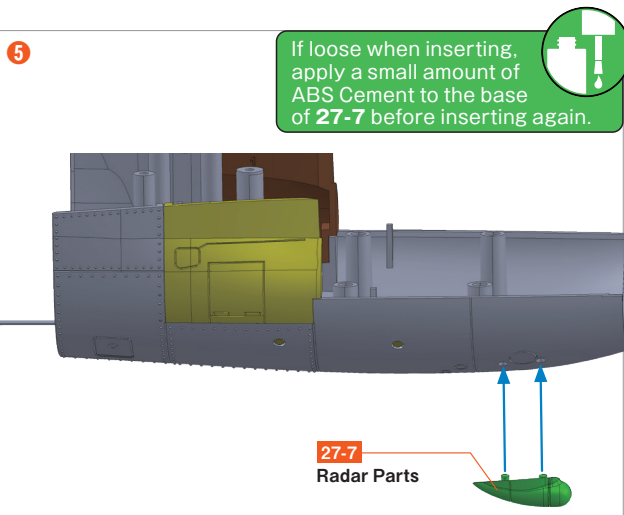
Insert **27-5 Navigation Light Base 2** into the navigation light assembled in step 1 as shown.



Insert the navigation light assembled in step 2 into the landing gear surroundings assembled in issue 26 as shown.



Secure the navigation light inserted in step 3 as shown with two **AM screws (M2.0 x 4 mm)**.



Insert the **27-7 Radar Parts** into the landing gear surroundings assembled in step 4 as shown.

Complete!

The assembly for this issue is now complete.

