



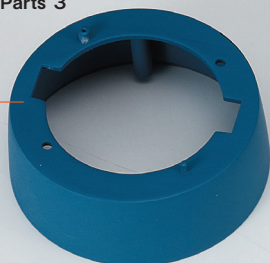
Issue 59

Assemble the Engine Nozzle ③

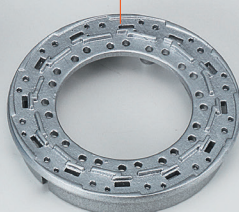


In this issue, we will continue assembling the engine nozzle. Note that the final shape will change from the previous issues.

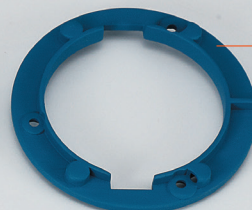
59-3 Engine Parts 3



59-1 Engine Parts 1



59-4 Engine Parts 4



59-5 Iris Panel×12



59-2 Engine Parts 2



59-6 Magnet×4



AP Screw (M2.0×4mm) ×6 (1 spare)

Tools Needed

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

☐ **Screwdriver**
Included in Issue 1.

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

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

Check!

Be sure to check the assembly video for detailed demonstrations.



Explanation of Symbols



Indicates where to attach included screws.



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



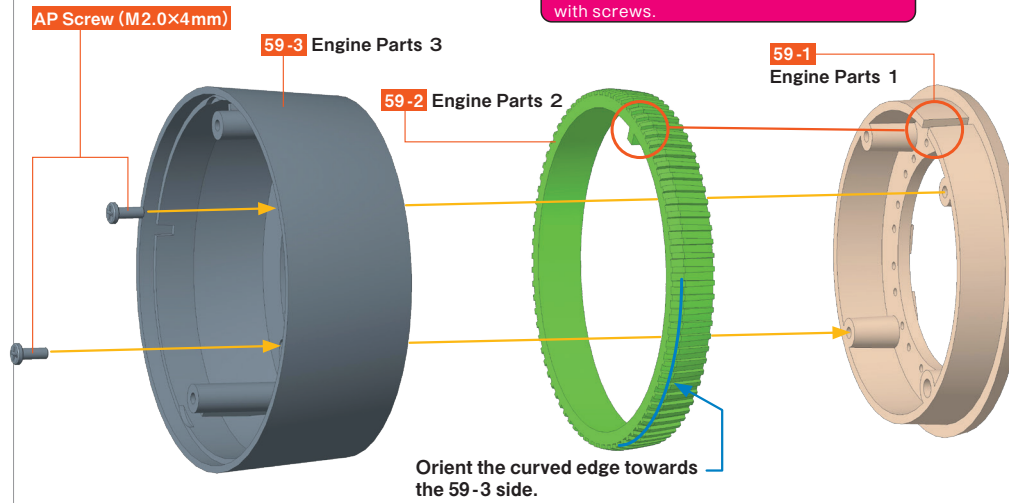
Cautions and Prohibitions.



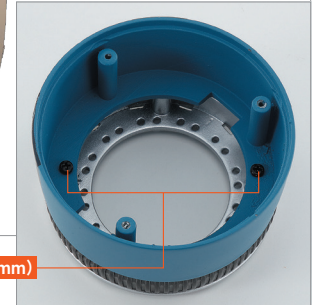
Key points for using tools and techniques.

1 Assemble the Engine Nozzle

1

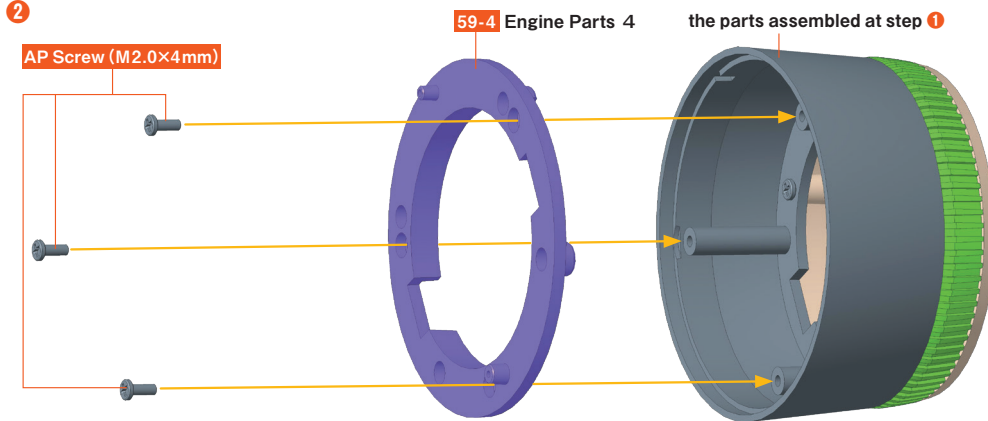


59-2 has a specific orientation for insertion. Refer to the 3D diagram and insert it in the correct orientation. Also, align the parts marked with a circle between 59-1 and 59-2, and between 59-1 and 59-3, and secure them with screws.



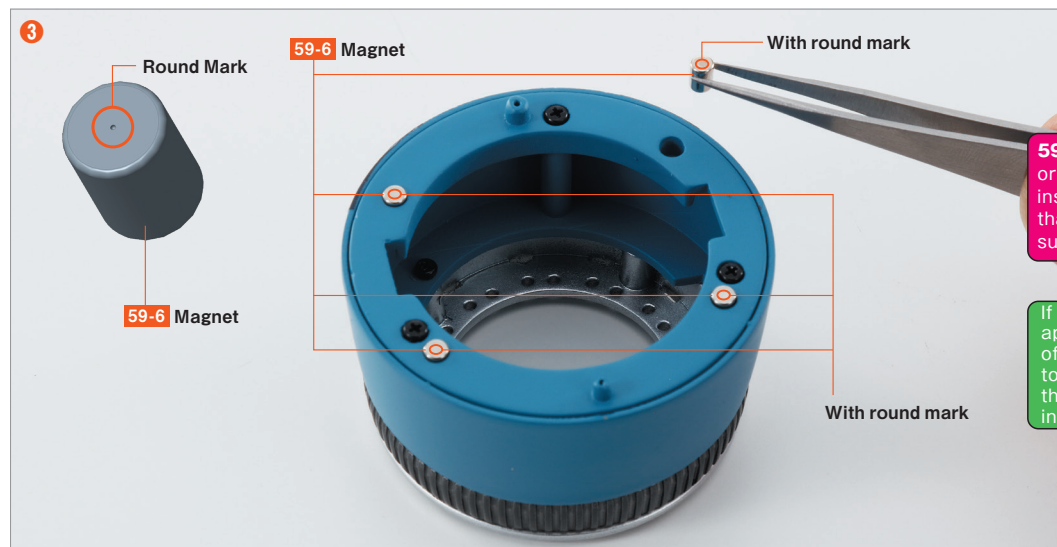
Combine 59-1 Engine Parts 1, 59-2 Engine Parts 2, and 59-3 Engine Parts 3 as shown, and secure them from the inside of 59-3 with two AP screws (M2.0x4mm).

2



Insert 59-4 Engine Parts 4 into the engine nozzle assembled in step 1 and secure it with three AP screws (M2.0x4mm).

3



59-6 has a specific orientation for insertion. Insert it so that the round mark on the flat surface of 59-6 is visible.

If loose when inserting, apply a small amount of Universal Adhesive to the side of 59-6 without the round mark before inserting again.

Insert 59-6 Magnets into the four positions of the engine nozzle assembled in step 2 as shown.



4

59-5 Iris Panel

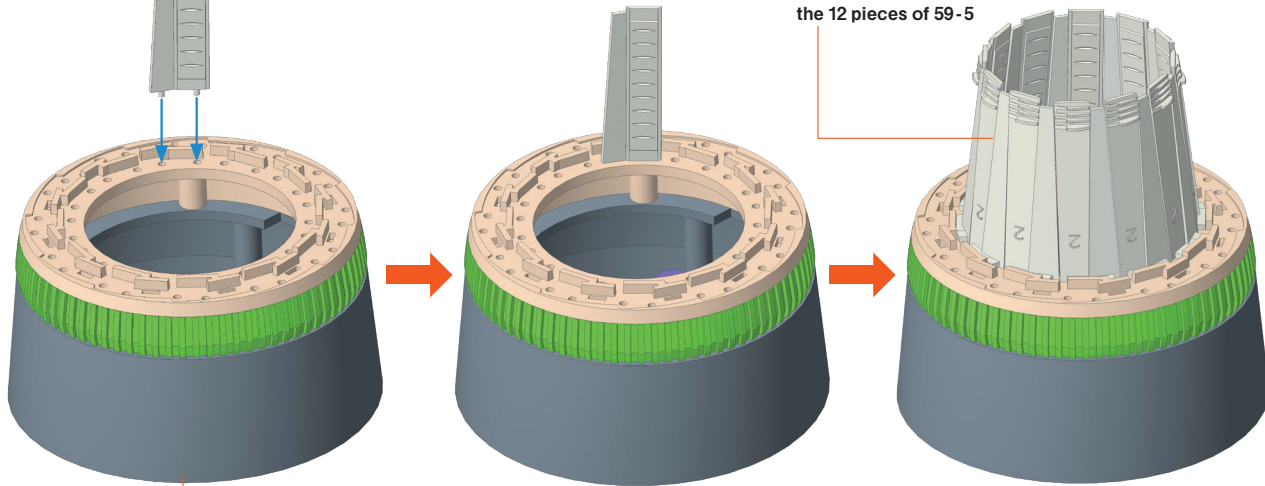
Insert **59-5** so that it is perpendicular to the base of the engine nozzle. You can start inserting from any point on the circle.



If loose when inserting, apply a small amount of ABS Cement to the protrusions on the base of **59-5** before inserting again.



Form a circle with the 12 pieces of 59-5



the parts assembled at step 3

Insert **59-5 Iris Panels** into the engine nozzle assembled in step 3 as shown. Insert all 12 pieces of **59-5** to form a complete circle with no gaps.

Complete!

The assembly for this issue is now complete. The foundation for the interchangeable engine nozzle has been assembled.

