

YA-1

Yamaha Motor's First Motorcycle

ASSEMBLY INSTRUCTIONS **vol. 1**



Headlight, Steering, Front Fender, Frame, etc.



By assembling all parts referring to the symbols on the parts sheet and the assembly instructions, a paper craft model faithfully reproducing the "YAMAHA YA-1" is completed.

These **Assembly instructions** apply only to the "YAMAHA YA-1."

Please download the parts sheets separately.

These Paper Craft parts are easier to work with when printed out on strong, thick paper (Paper Weight in gsm: 127.9gms ~ 157.0gms, Thickness: 0.18mm ~ 0.22mm)

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1 To begin

■ Tools and materials needed

- Ruler ● Scissors ● Cutter knife ● Cutter mat (A4 size or larger) ● Stylus pen (for making folds)
- Pencil ● Tweezers ● Quick-drying wood glue (adhesive) ● Brush (for glue) ● Wipe cloth (to wipe off excess glue from the brush) ● Wipe cloth (to wipe off excess glue from brush) ● Hand towel to clean fingertips
- Acrylic board and weight (to ensure a level crimp) ● Aluminum rod (to round the paper)
- Containers (for temporary storage of parts) ● Memo blocks (to use as a palette for applying glue to brushes)

■ Items of Caution

*Take care when using sharp or pointed objects or when using bladed cutting tools. Place a heavy sheet of paper under the paper you want to cut.

*Use glue and other adhesives only in well-ventilated areas.

*When printing, use a slightly reduced font size. There may be differences in dimensions, depending on the type of printer used.

2 How to assemble

*Follow the working method and markings carefully.

*Cut carefully along the outer line with cutting blade, Exacto-knife or scissors.

One - point Advice

*Cut carefully with cutting blade, Exacto-knife or scissors.

*For folding parts, first use an awl or other pointed tool to make a light crease along the dotted or solid line. This will make the folds straight. Avoid making strong creases, as this will cause the paper to tear.

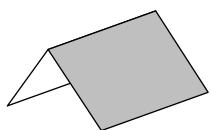
*As an adhesive, white wood glue is recommended. Avoid over application as this may cause the paper to wrinkle.

*Before beginning assembly, test adhesive amounts on extra paper.

Basic working method and markings

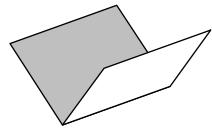
— Solid lines

Fold along these lines.
The printed surface should be on the outside of the folded shape.



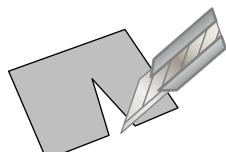
- - - Broken lines

Fold along these lines.
The printed surface should be on the inside of the folded shape.

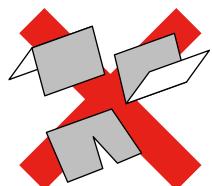


- - - Dotted line

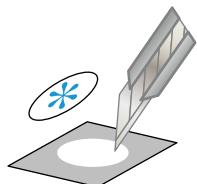
Cut along these lines.



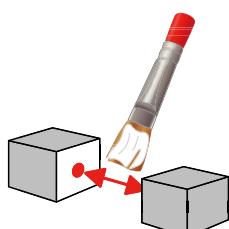
Do not fold or cut the parts marked **X**.



Cut out parts marked with an asterisk (*).



Red dots are the reference positions for gluing surfaces.



*Please refer to the MUKOUYAMA KU-KAN website TECHNIC for details on the crafting method.

3 Assembly

Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

Glue

Insert

Gluing surfaces

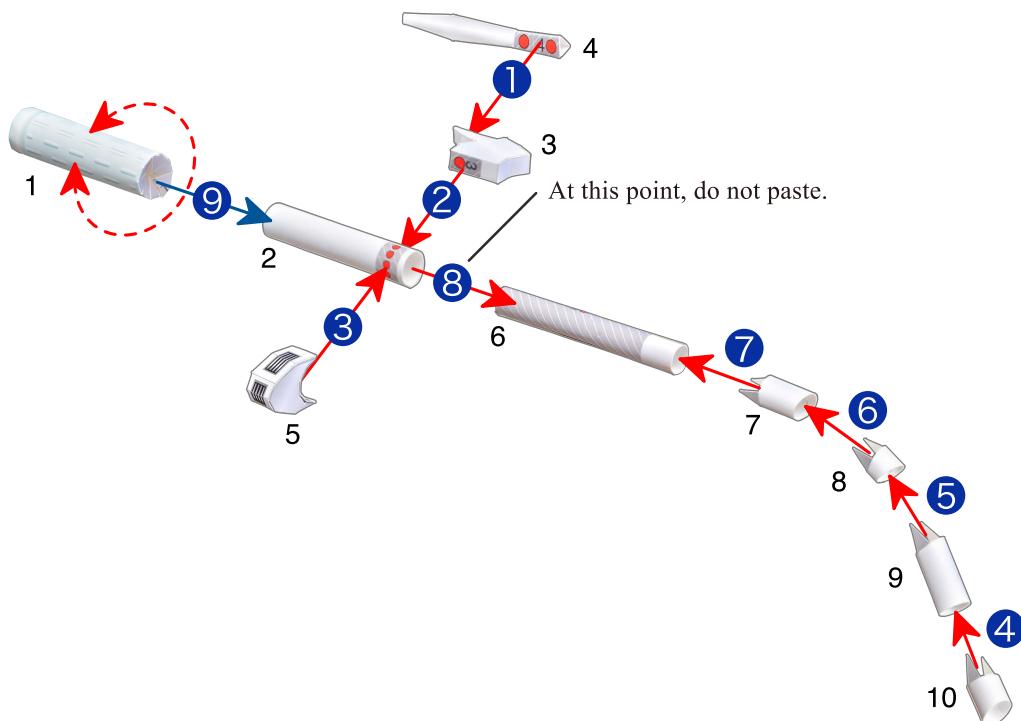
Meter Glue in order from 1 to 9 on the graphic. 12 3

Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.



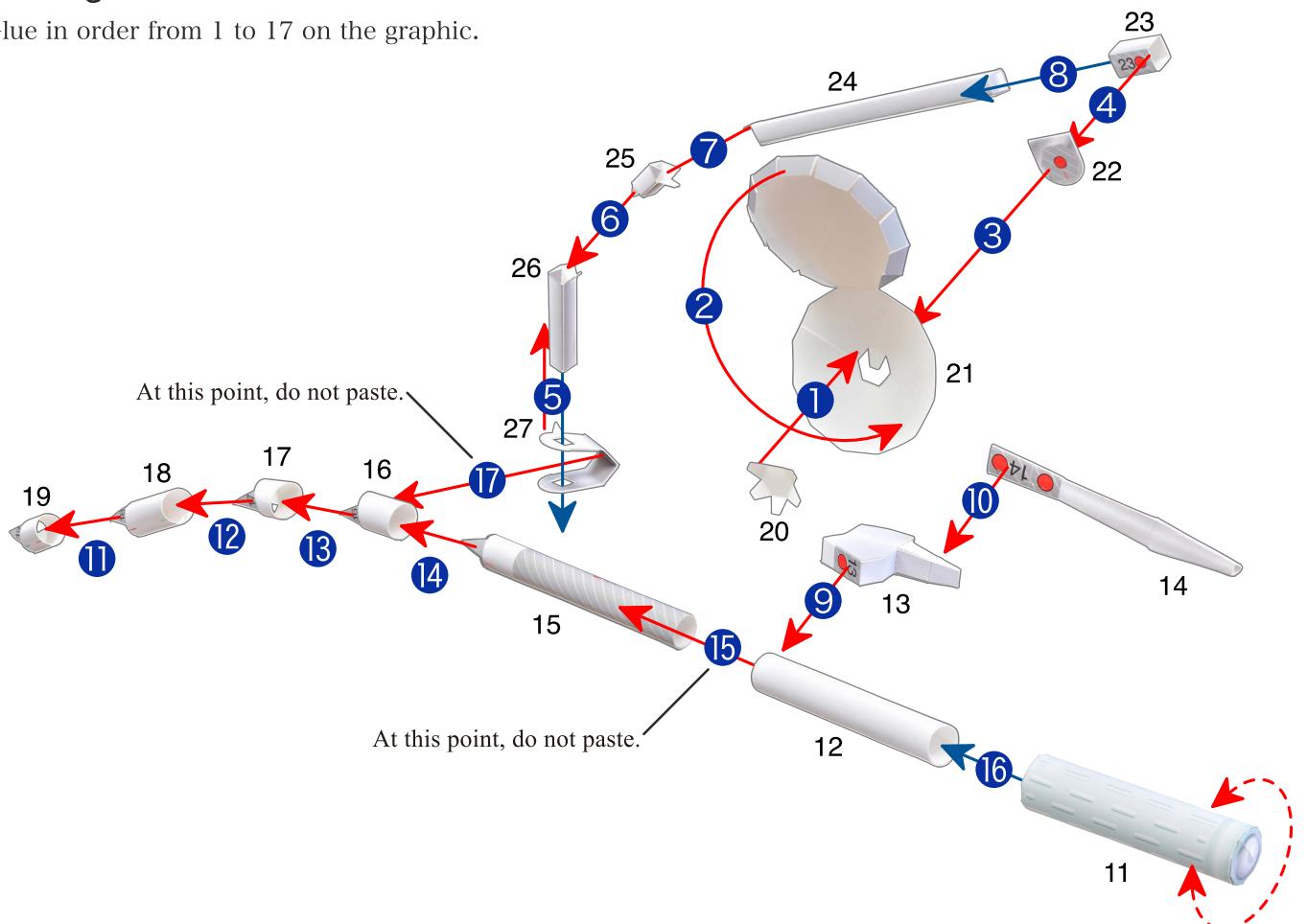
Steering A

Glue in order from 1 to 9 on the graphic.



Steering B

Glue in order from 1 to 17 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

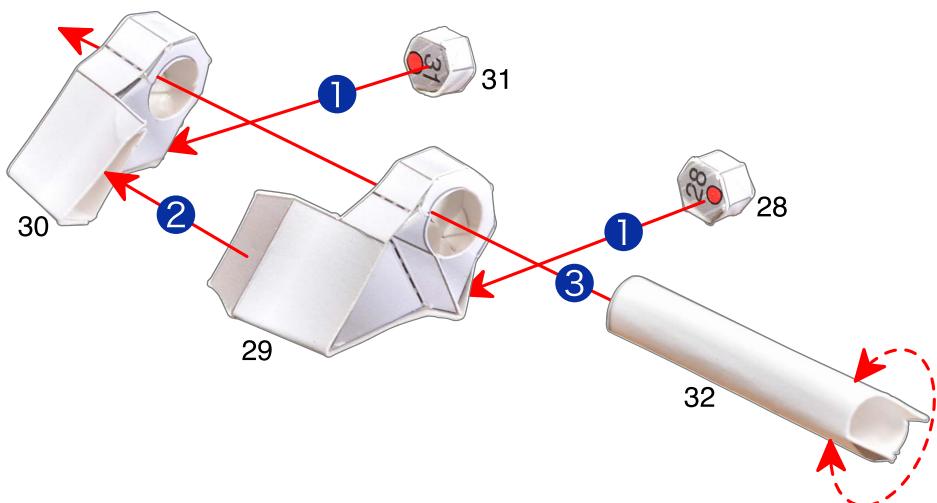
Glue

Insert

Gluing surfaces

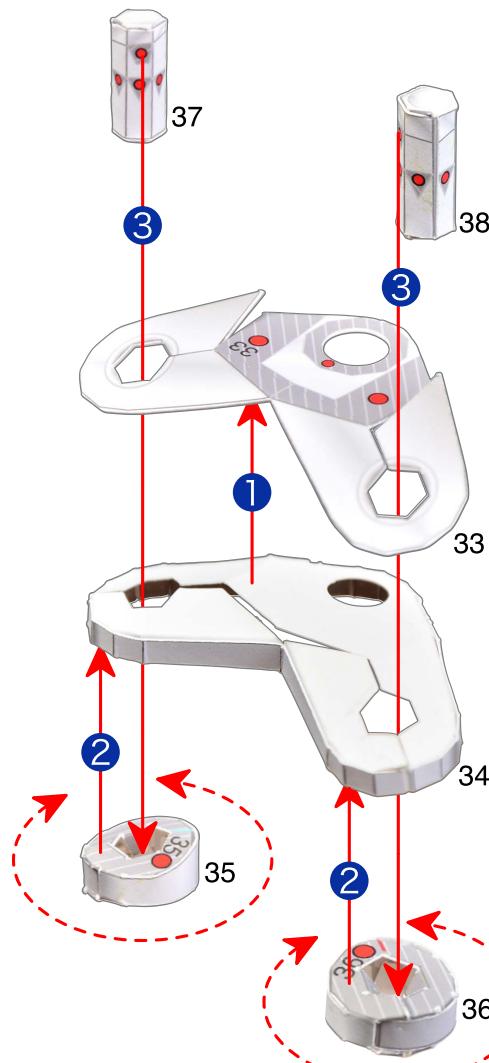
Steering C

Glue in order from 1 to 3 on the graphic.



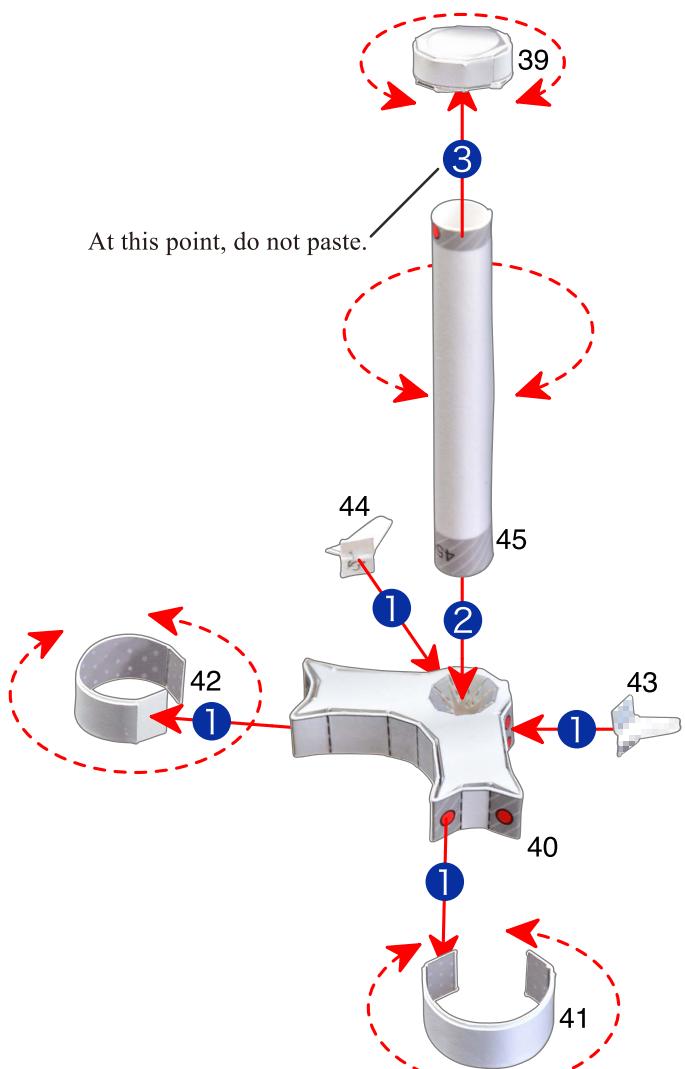
Steering D

Glue in order from 1 to 3 on the graphic.



Steering E

Glue in order from 1 to 3 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

Glue

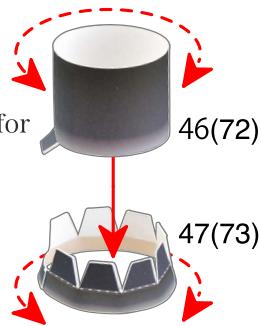
Insert

Gluing surfaces

Steering F

*Assemble both sides.

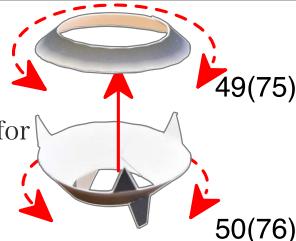
The figure shows the right side.
The numbers inside the () are for
the left side.



Steering G

*Assemble both sides.

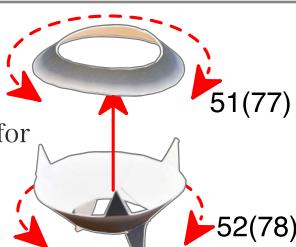
The figure shows the right side.
The numbers inside the () are for
the left side.



Steering H

*Assemble both sides.

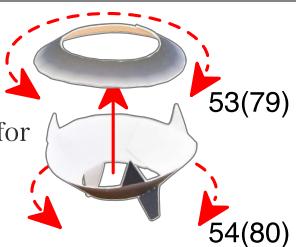
The figure shows the right side.
The numbers inside the () are for
the left side.



Steering I

*Assemble both sides.

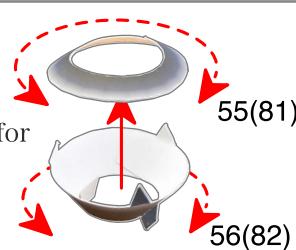
The figure shows the right side.
The numbers inside the () are for
the left side.



Steering J

*Assemble both sides.

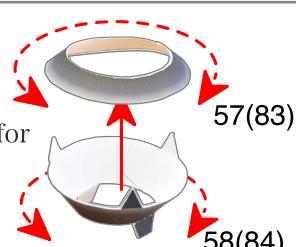
The figure shows the right side.
The numbers inside the () are for
the left side.



Steering K

*Assemble both sides.

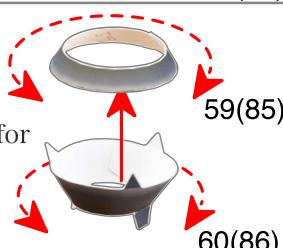
The figure shows the right side.
The numbers inside the () are for
the left side.



Steering L

*Assemble both sides.

The figure shows the right side.
The numbers inside the () are for
the left side.

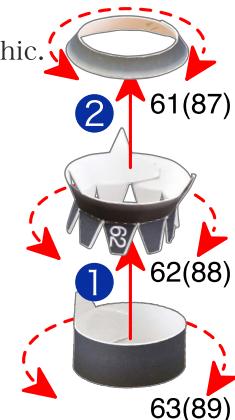


Steering M

Glue in order from 1 to 2 on the graphic.

*Assemble both sides.

The figure shows the right side.
The numbers inside the () are for
the left side.

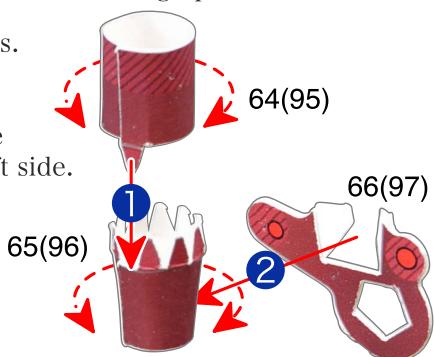


Steering N

Glue in order from 1 to 2 on the graphic.

*Assemble both sides.

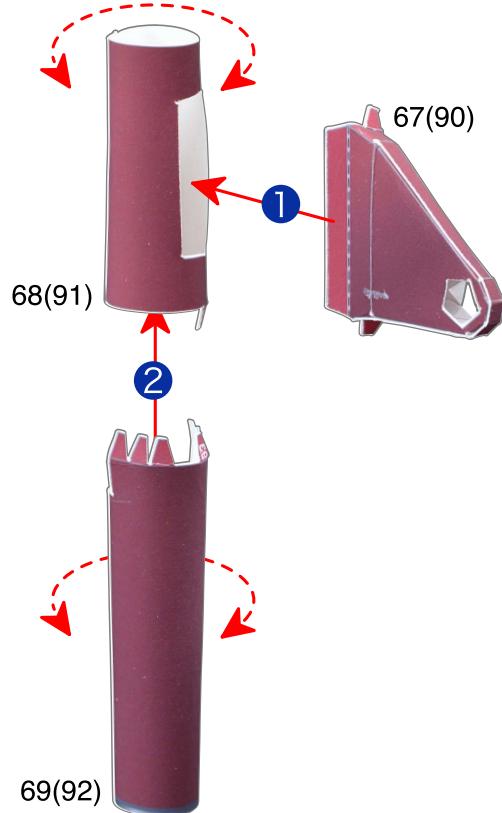
The figure shows the right side.
The numbers inside the () are for
the left side.



Steering O

Glue in order from 1 to 2 on the graphic.

*Assemble both sides. The figure shows the right side.
The numbers inside the () are for the left side.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

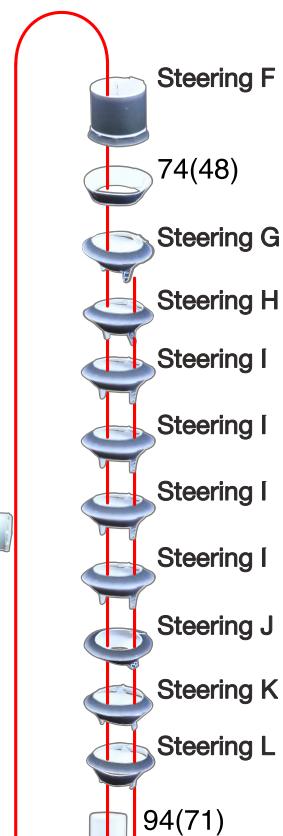
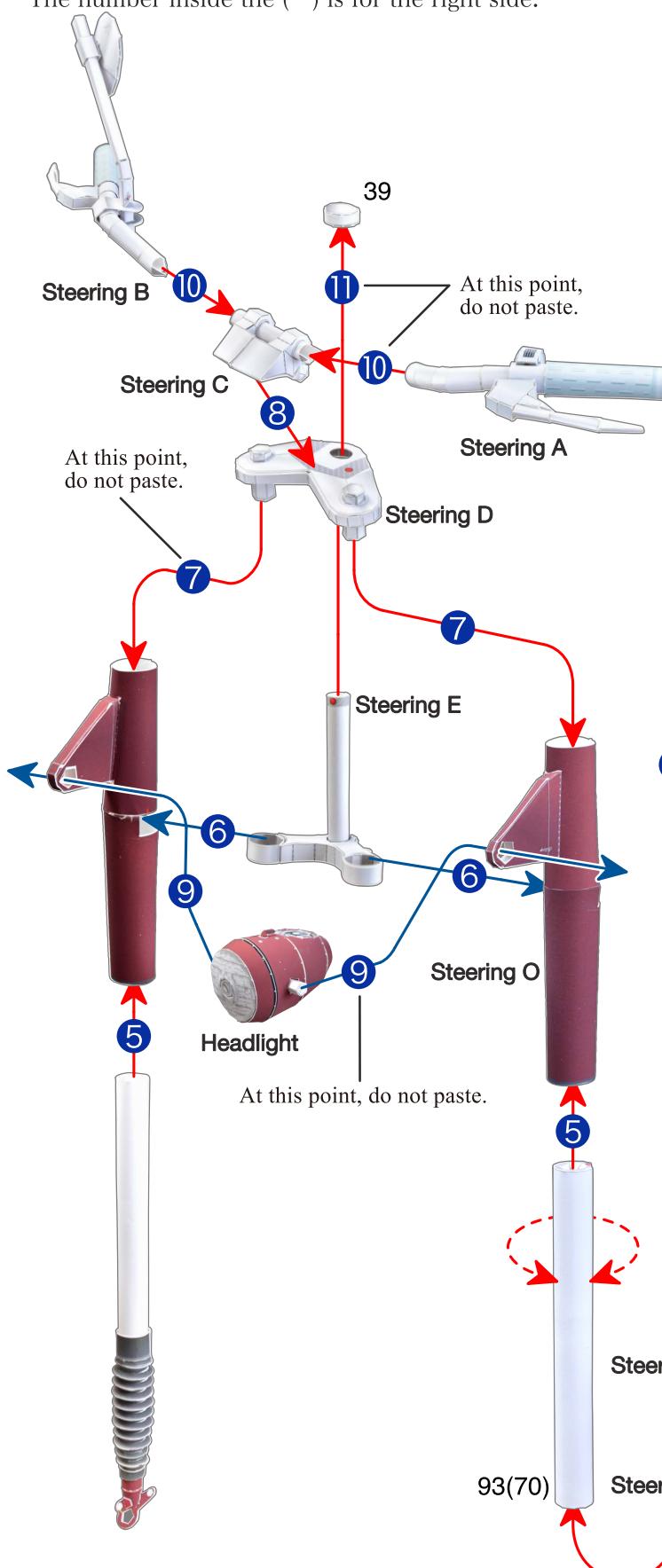
Glue

Insert

Gluing surfaces

Glue in order from 1 to 11 on the graphic.

*Assemble both sides. The diagram shows the left side.
The number inside the () is for the right side.



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.



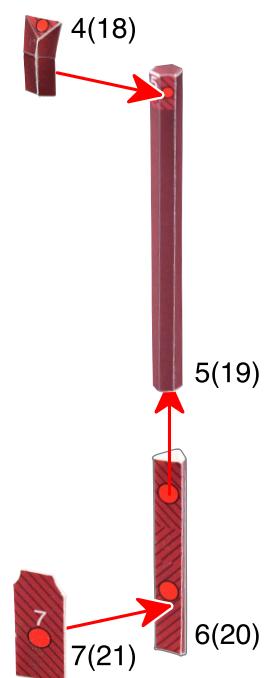
Front Fender A

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



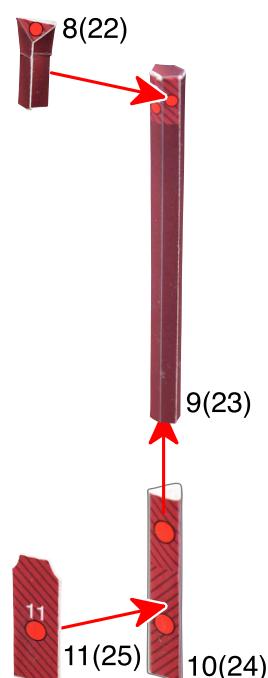
Front Fender B

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Front Fender C

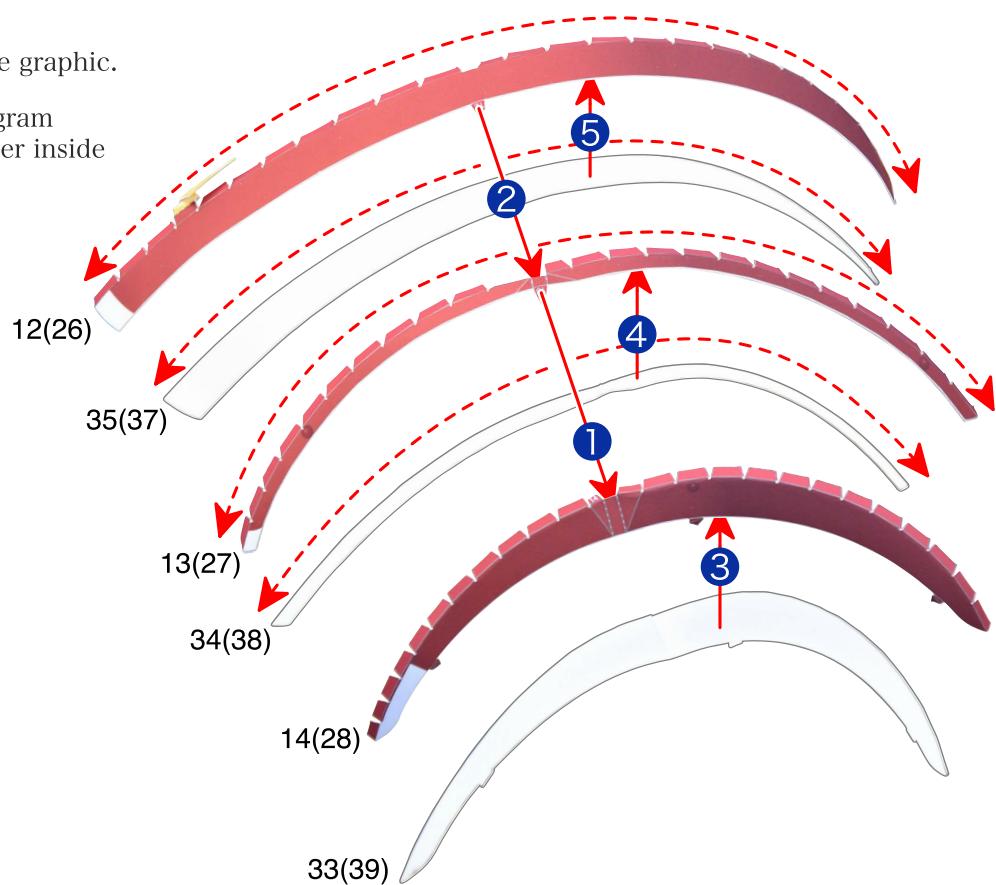
*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Front Fender D

Glue in order from 1 to 5 on the graphic.

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.



Fold or Curve



Glue

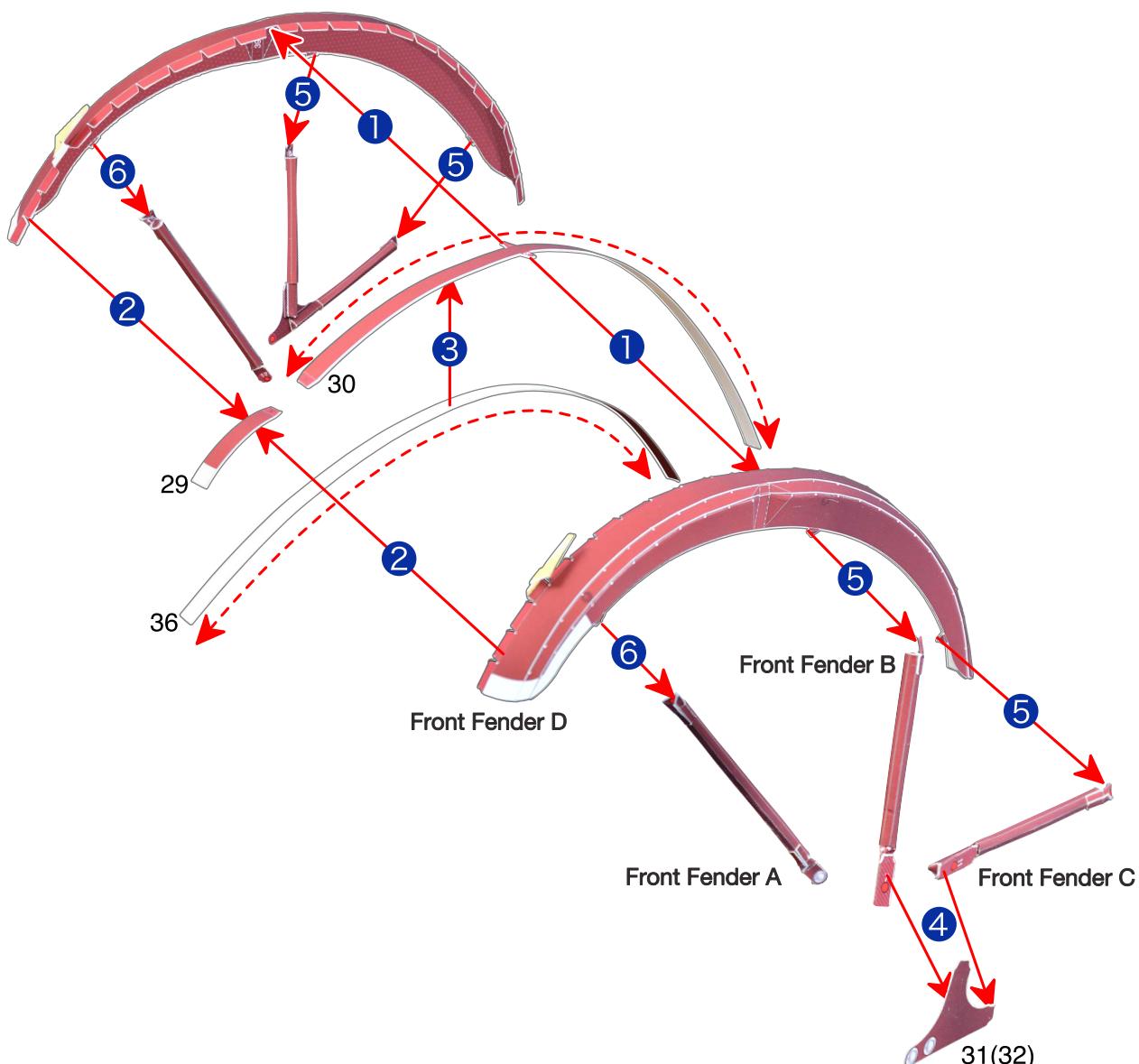


Insert



Gluing surfaces

Glue in order from 1 to 6 on the graphic.



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.



Fold or Curve



Glue



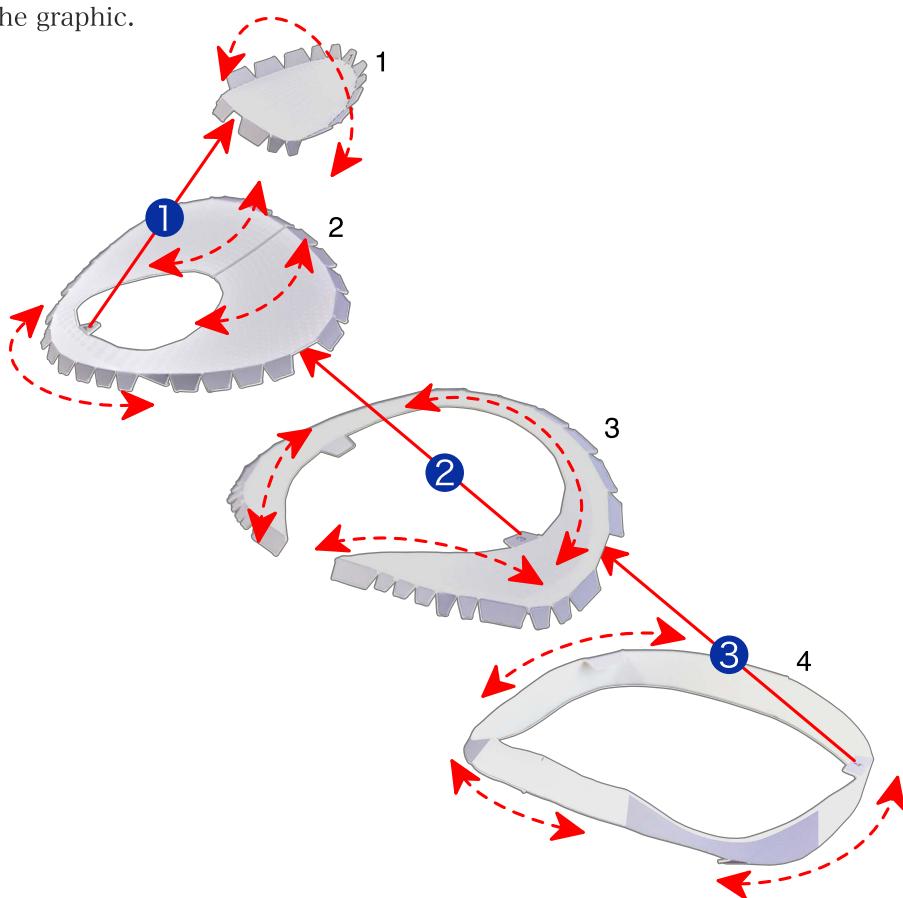
Insert



Gluing surfaces

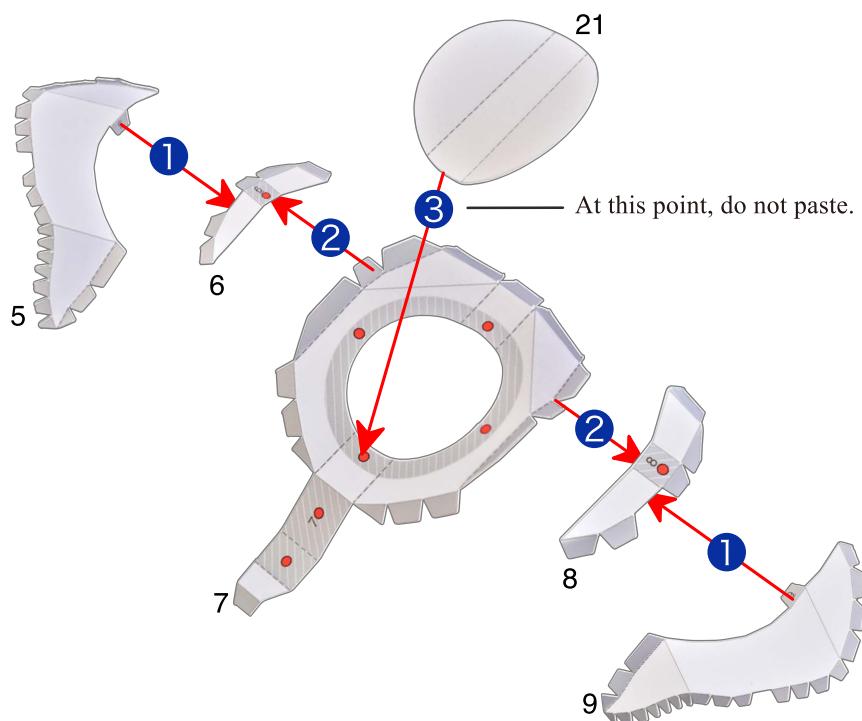
Saddle A

Glue in order from 1 to 3 on the graphic.



Saddle B

Glue in order from 1 to 3 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

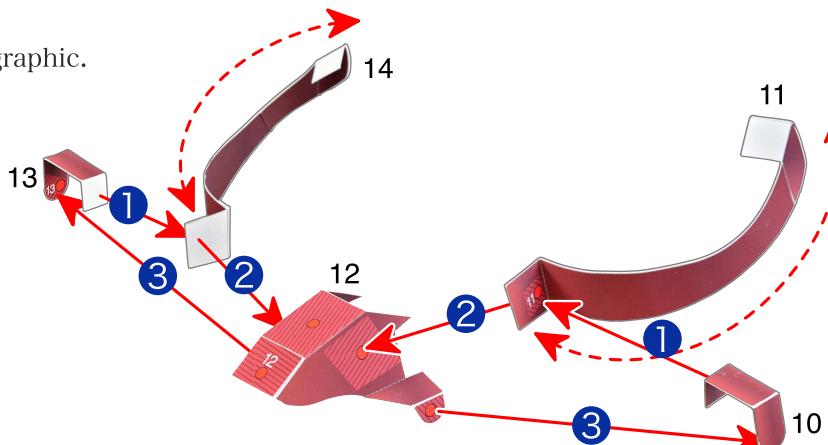
Glue

Insert

Gluing surfaces

Saddle C

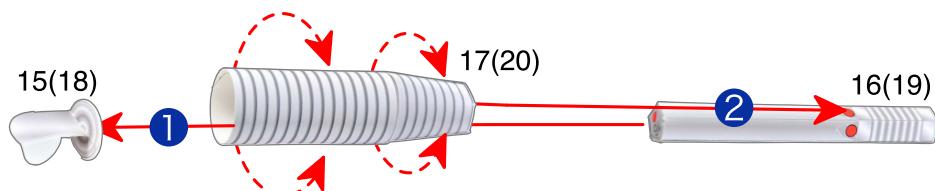
Glue in order from 1 to 3 on the graphic.



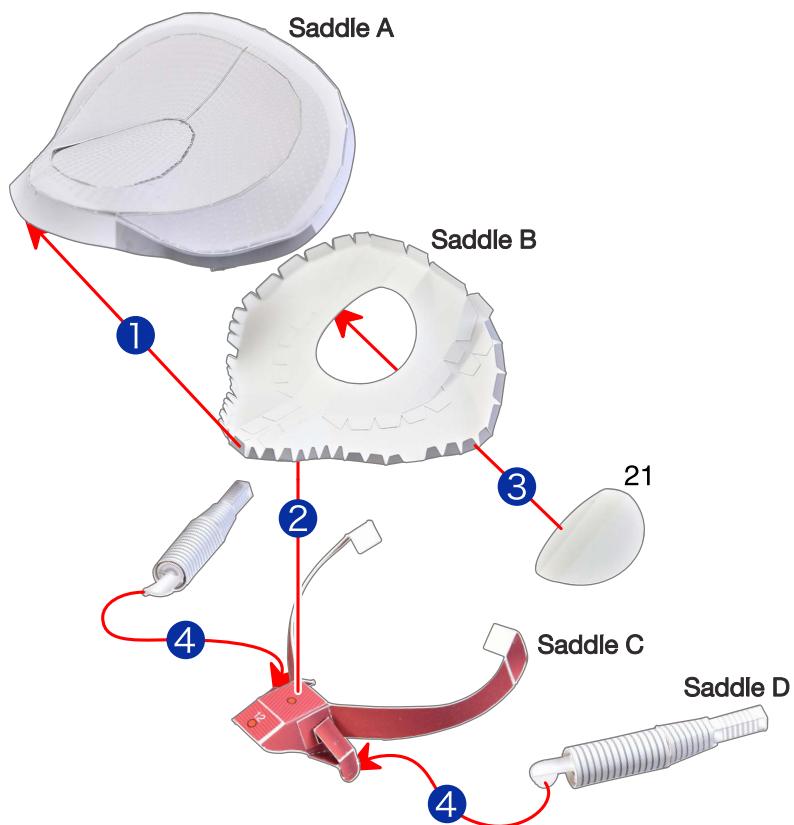
Saddle D

Glue in order from 1 to 2 on the graphic.

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Glue in order from 1 to 4 on the graphic.



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

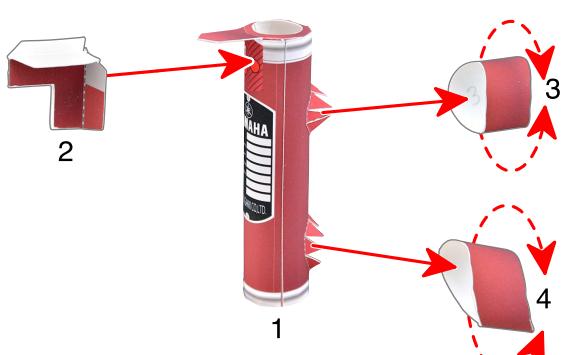
Fold or Curve

Glue

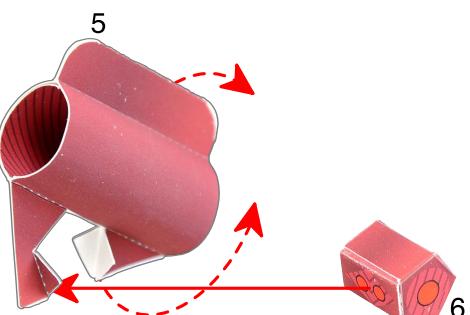
Insert

Gluing surfaces

Frame A

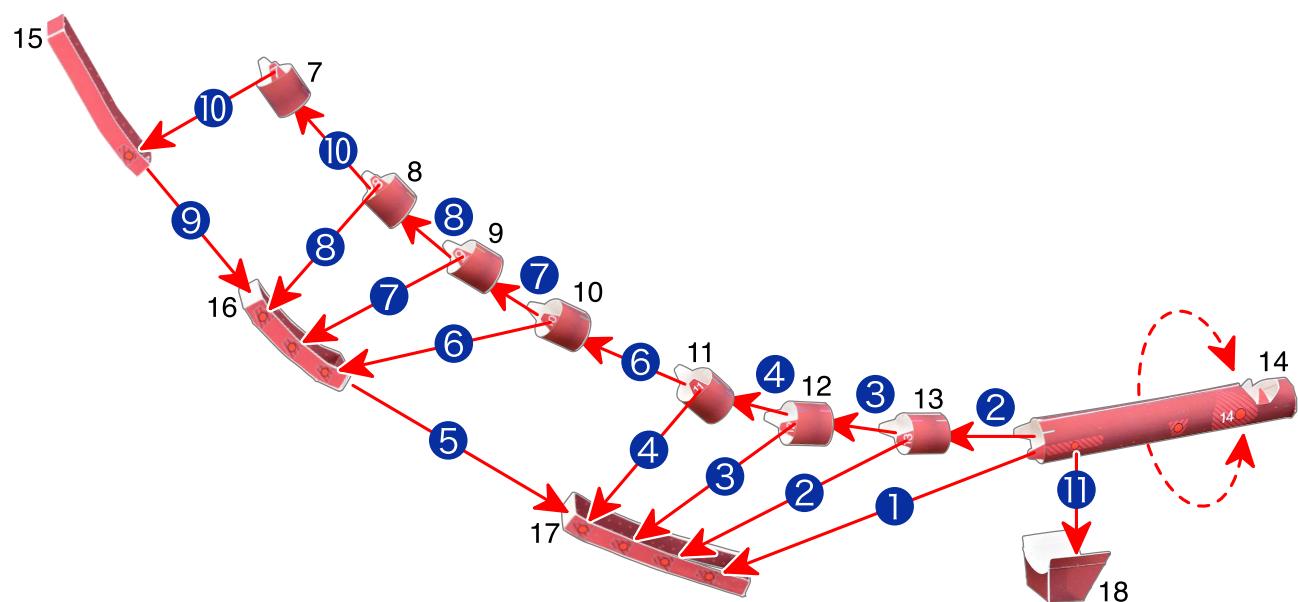


Frame B



Frame C

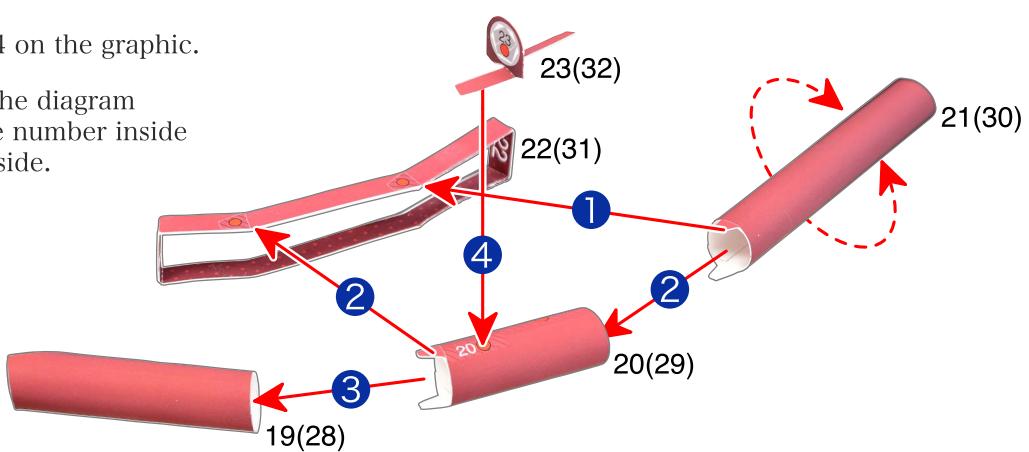
Glue in order from 1 to 11 on the graphic.



Frame D

Glue in order from 1 to 4 on the graphic.

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



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Fold or Curve



Glue



Insert

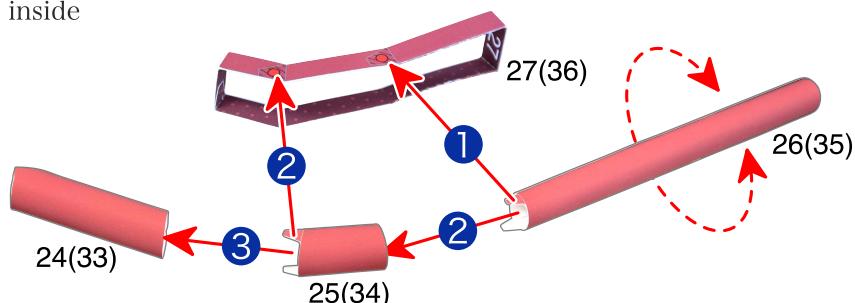


Gluing surfaces

Frame E

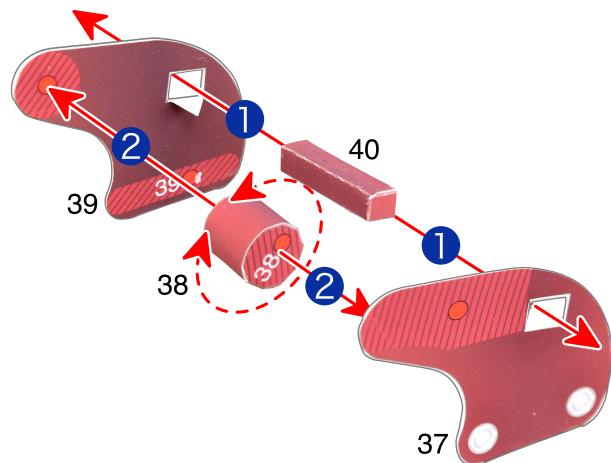
Glue in order from 1 to 3 on the graphic.

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



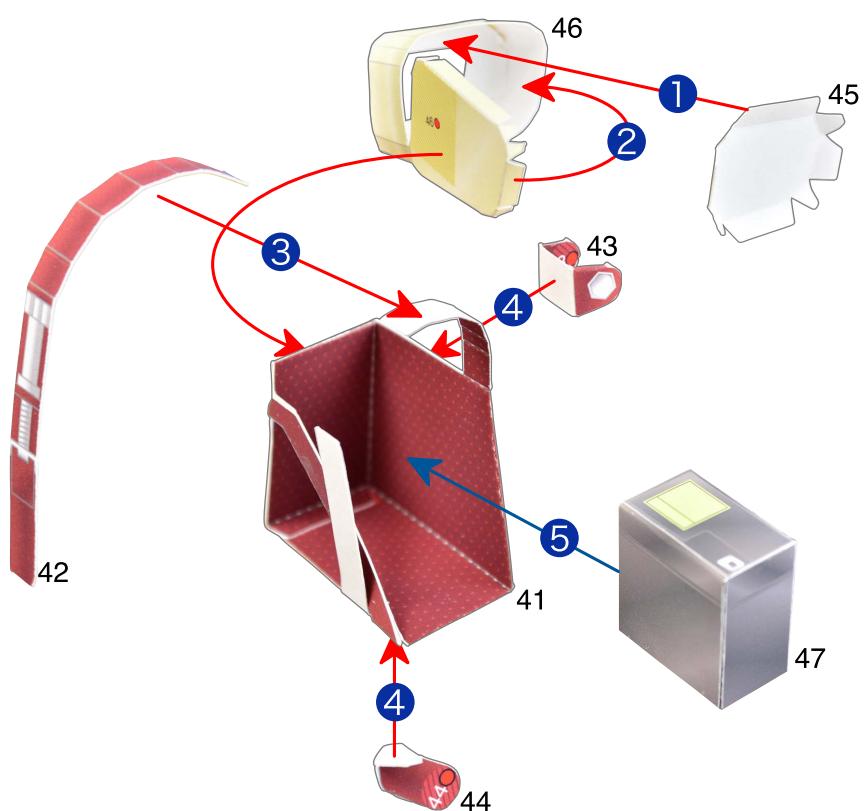
Frame F

Glue in order from 1 to 2 on the graphic.



Battery

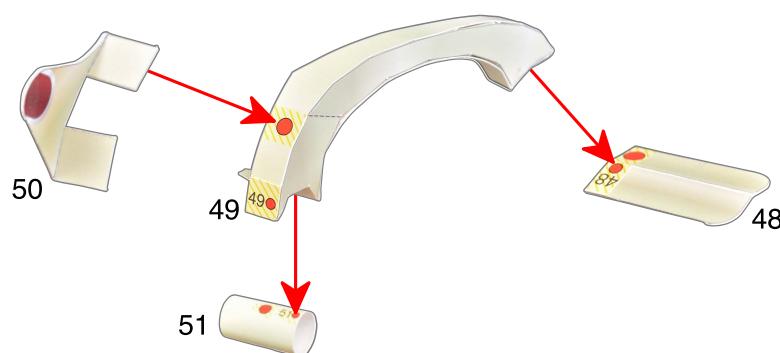
Glue in order from 1 to 5 on the graphic.



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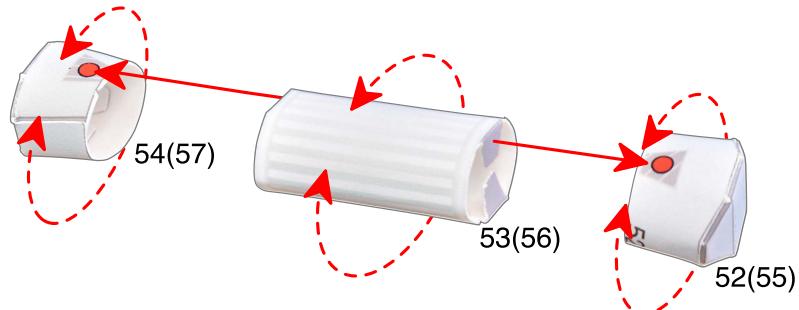


Rear Brake A



Footrest Gums

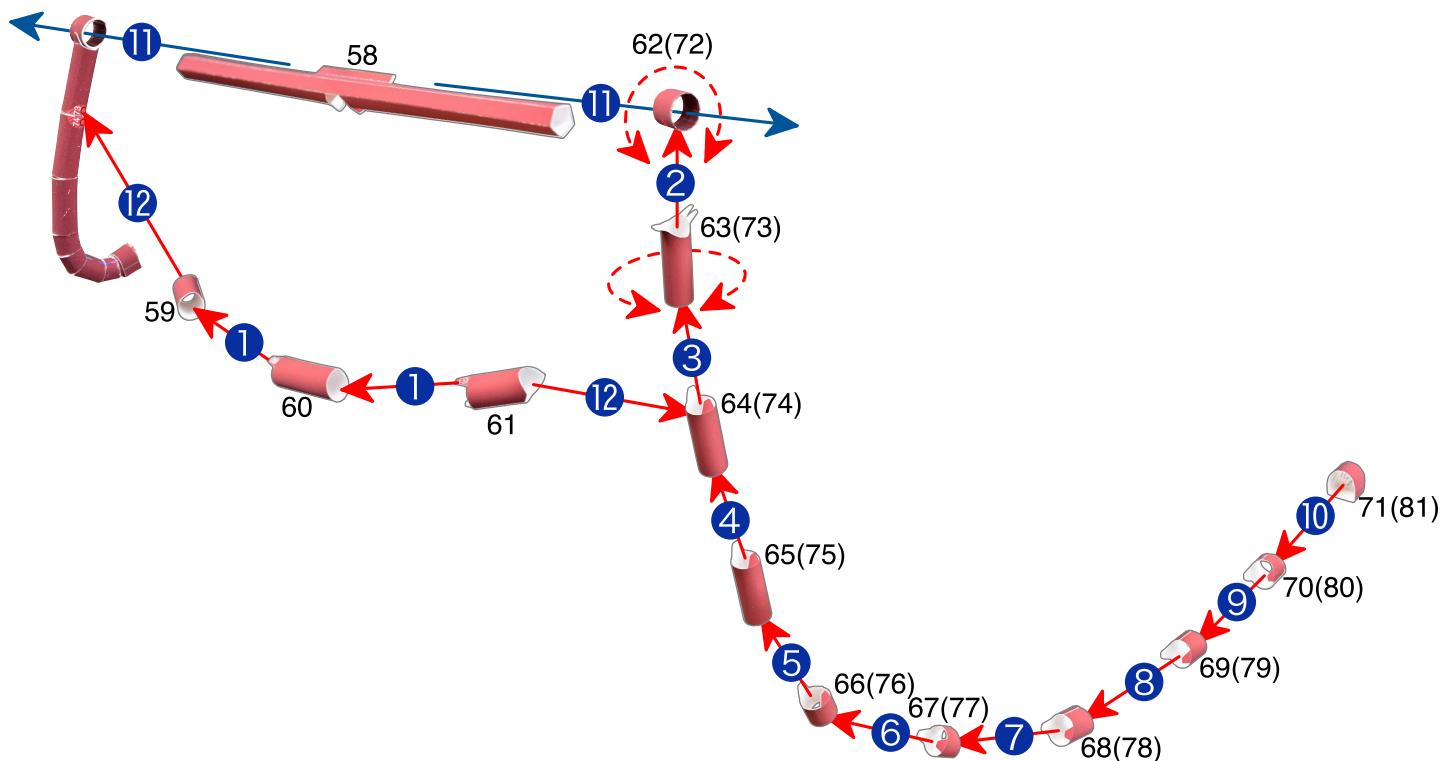
*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Stand

Glue in order from 1 to 12 on the graphic.

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



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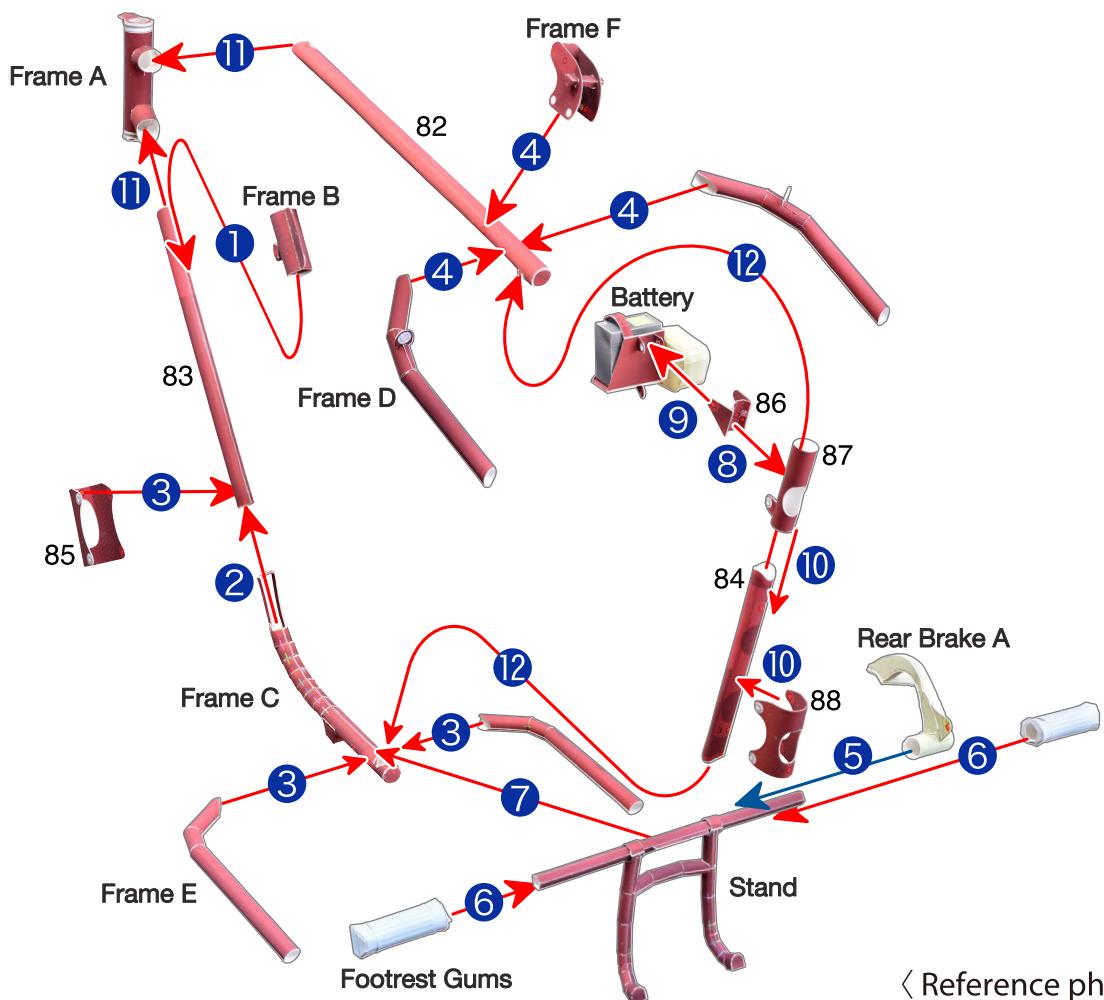
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 12 on the graphic.



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.



Fold or Curve



Glue



Insert

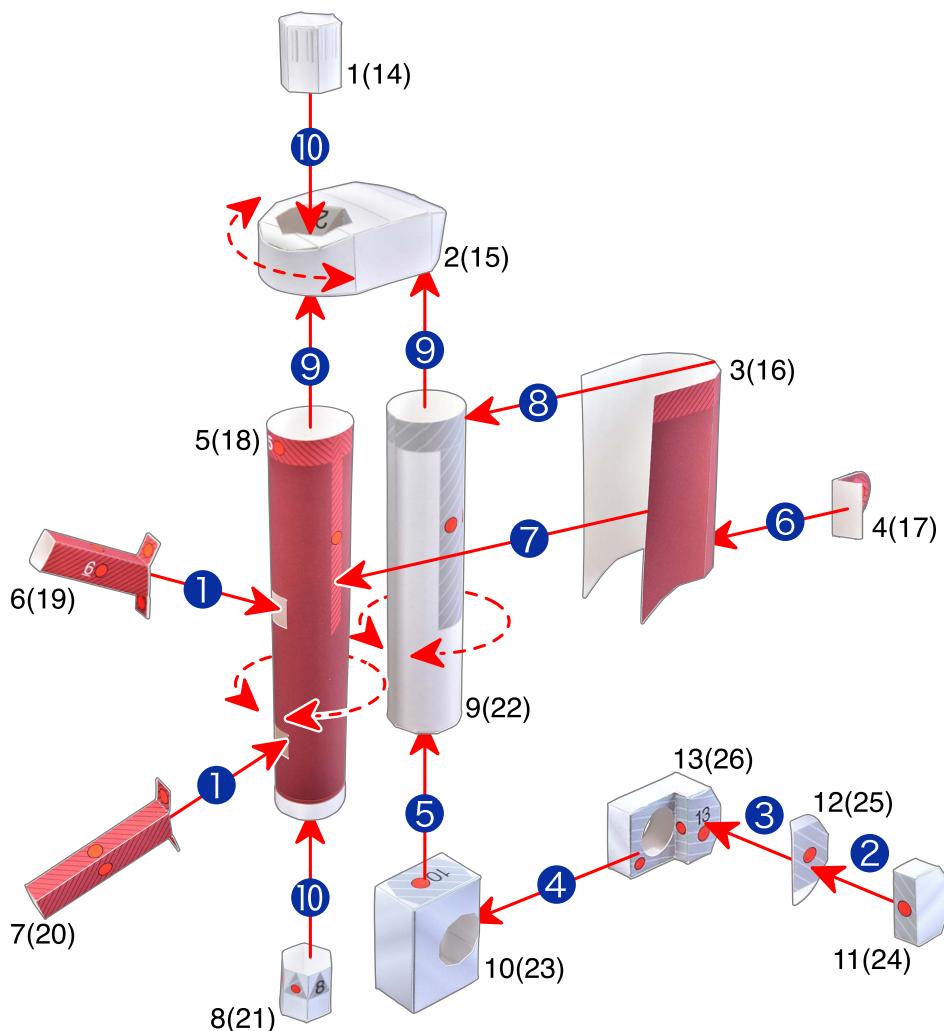


Gluing surfaces

Rear Cushions

Glue in order from 1 to 10 on the graphic.

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



⟨ Reference photo ⟩



YA-1

Yamaha Motor's First Motorcycle

ASSEMBLY INSTRUCTIONS **vol.2**



Tank, Engine, Muffler, Rear Fender, etc.



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3 Assembly

Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

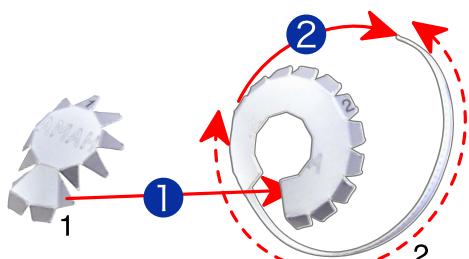
Glue

Insert

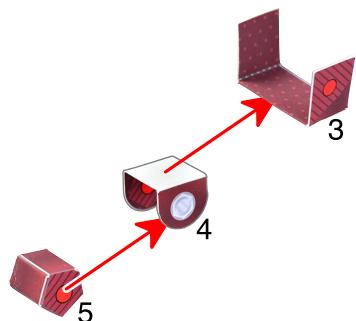
Gluing surfaces

Tank A

Glue in order from 1 to 2 on the graphic.

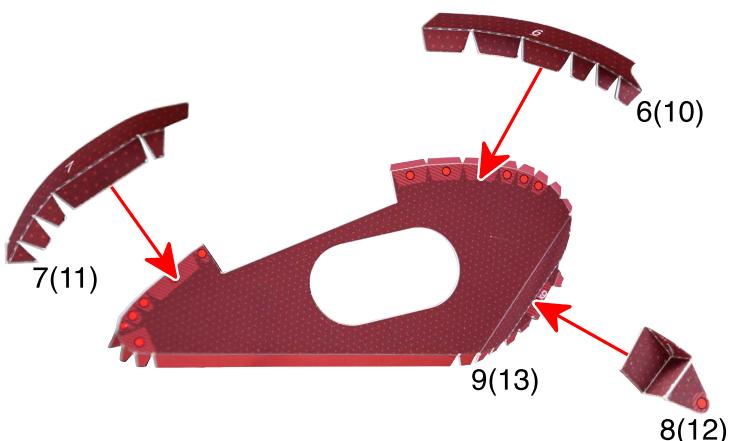


Tank B



Tank C

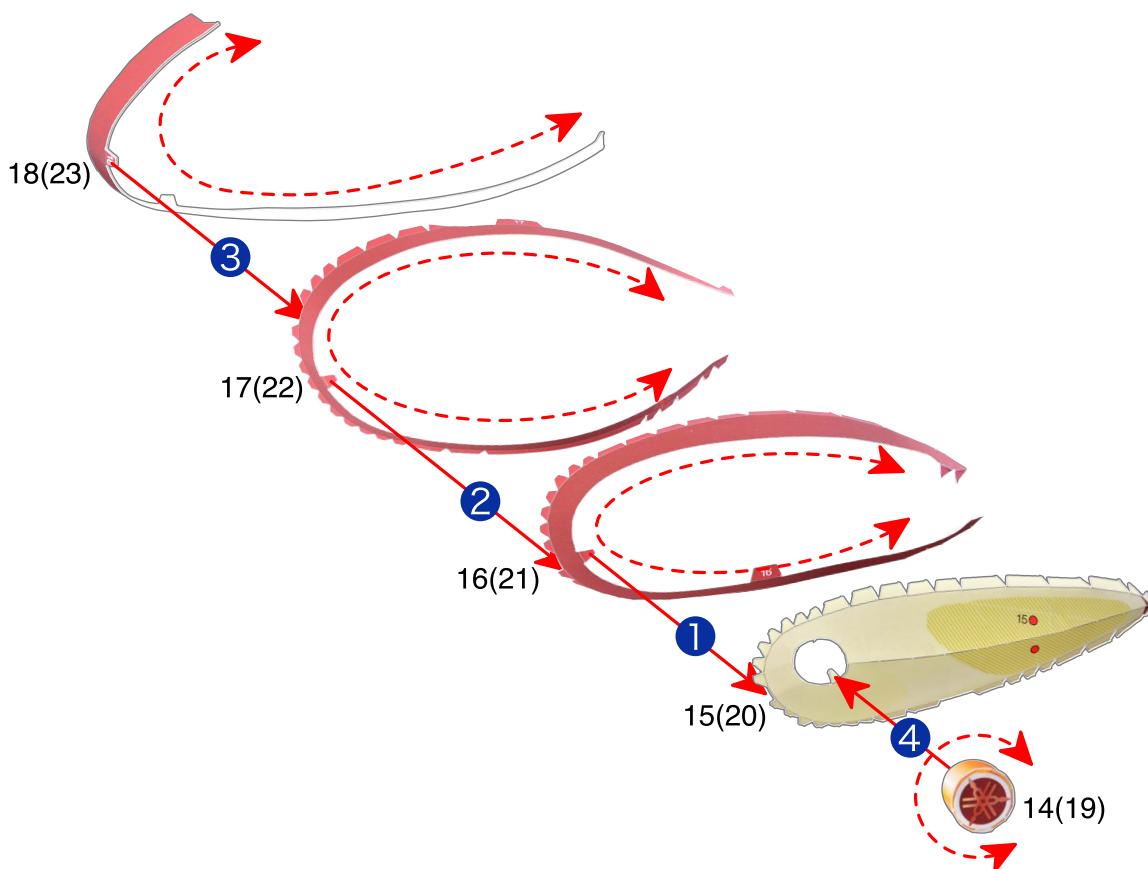
*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Tank D

Glue in order from 1 to 4 on the graphic.

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

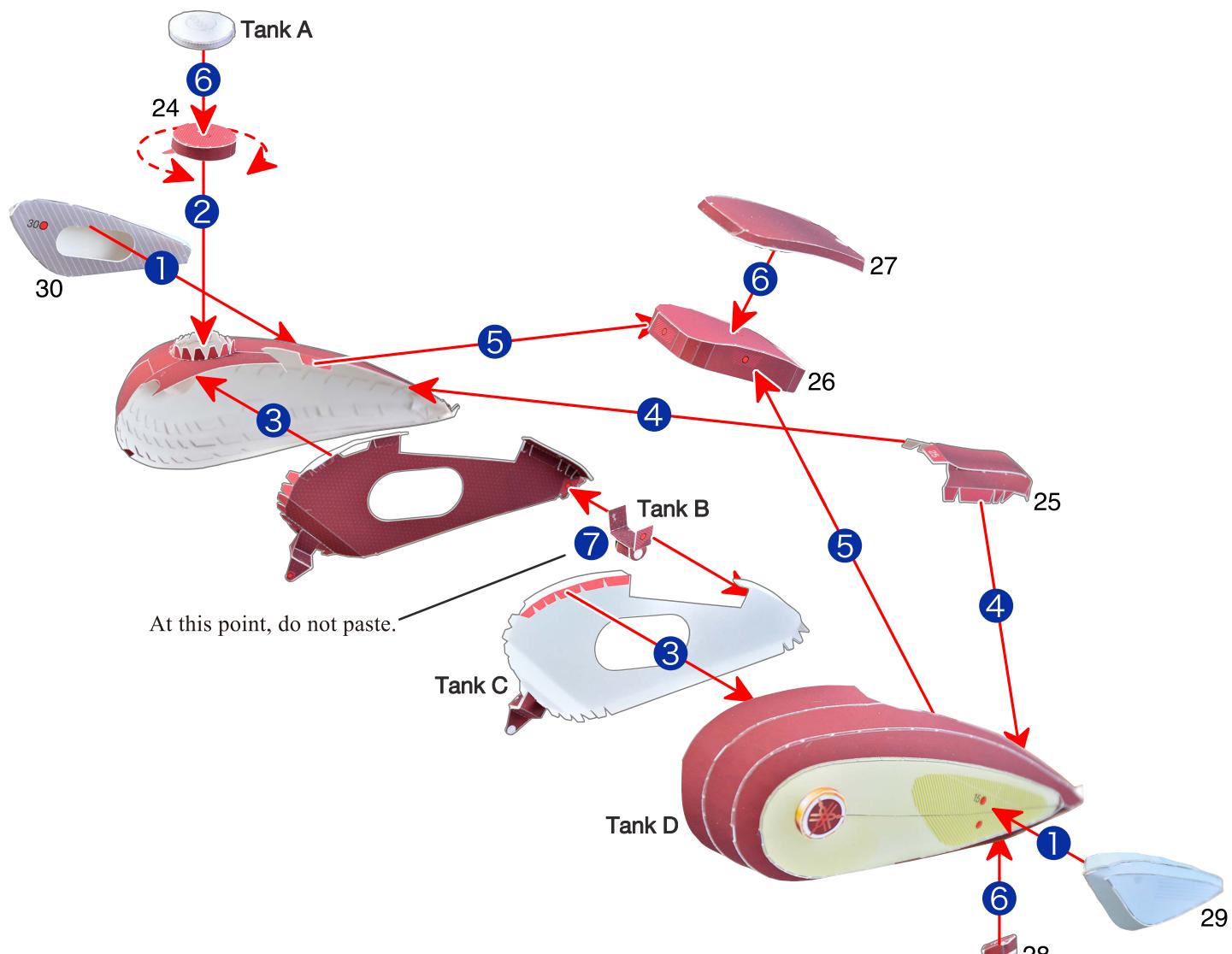
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 7 on the graphic.



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

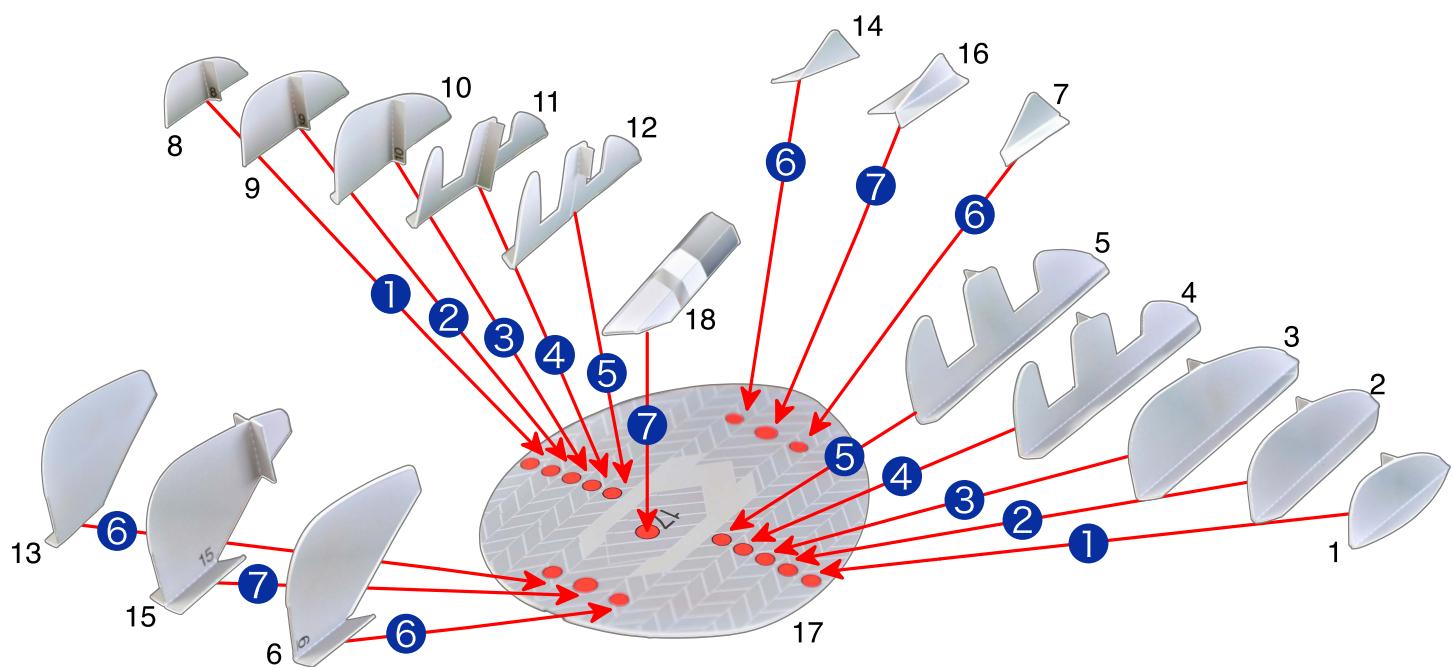
Glue

Insert

Gluing surfaces

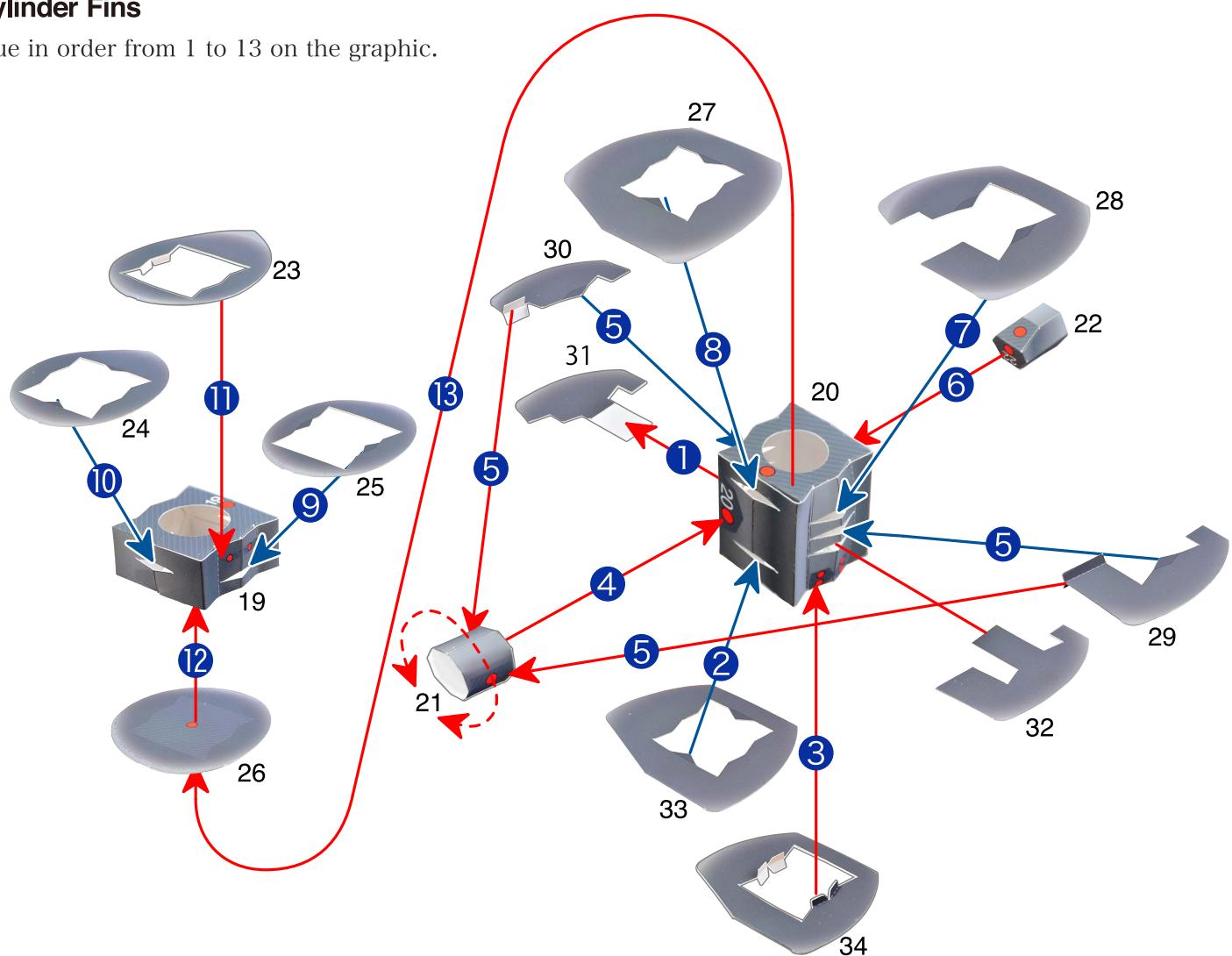
Cylinder Head

Glue in order from 1 to 7 on the graphic.



Cylinder Fins

Glue in order from 1 to 13 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

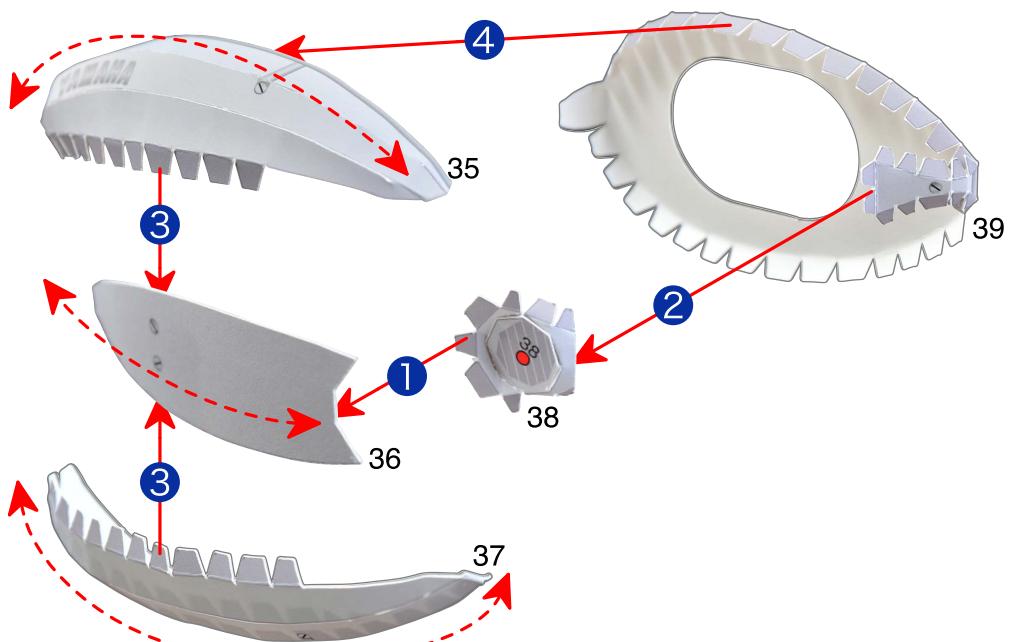
Glue

Insert

Gluing surfaces

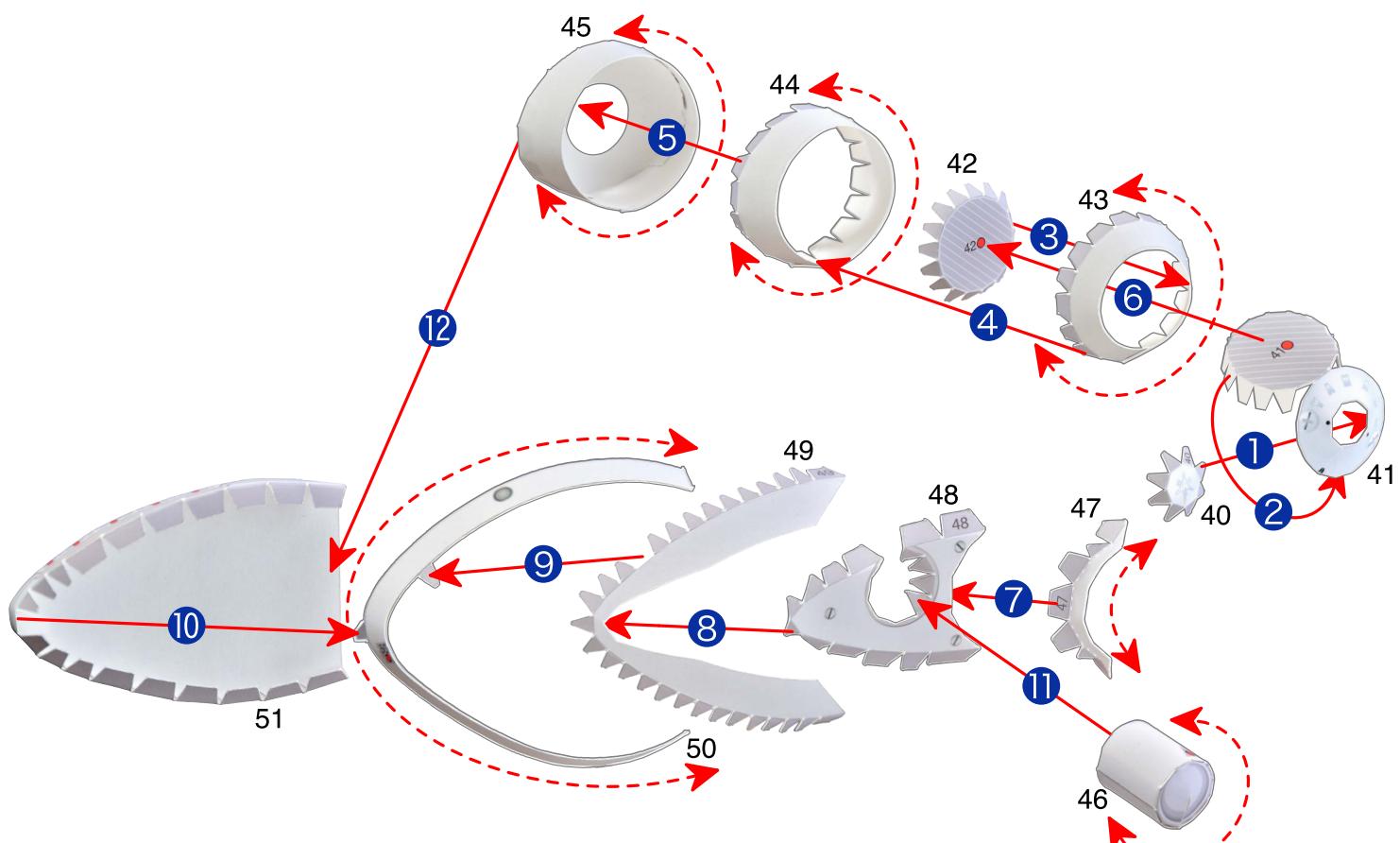
Crankcase Cover A

Glue in order from 1 to 4 on the graphic.



Crankcase Cover B

Glue in order from 1 to 12 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

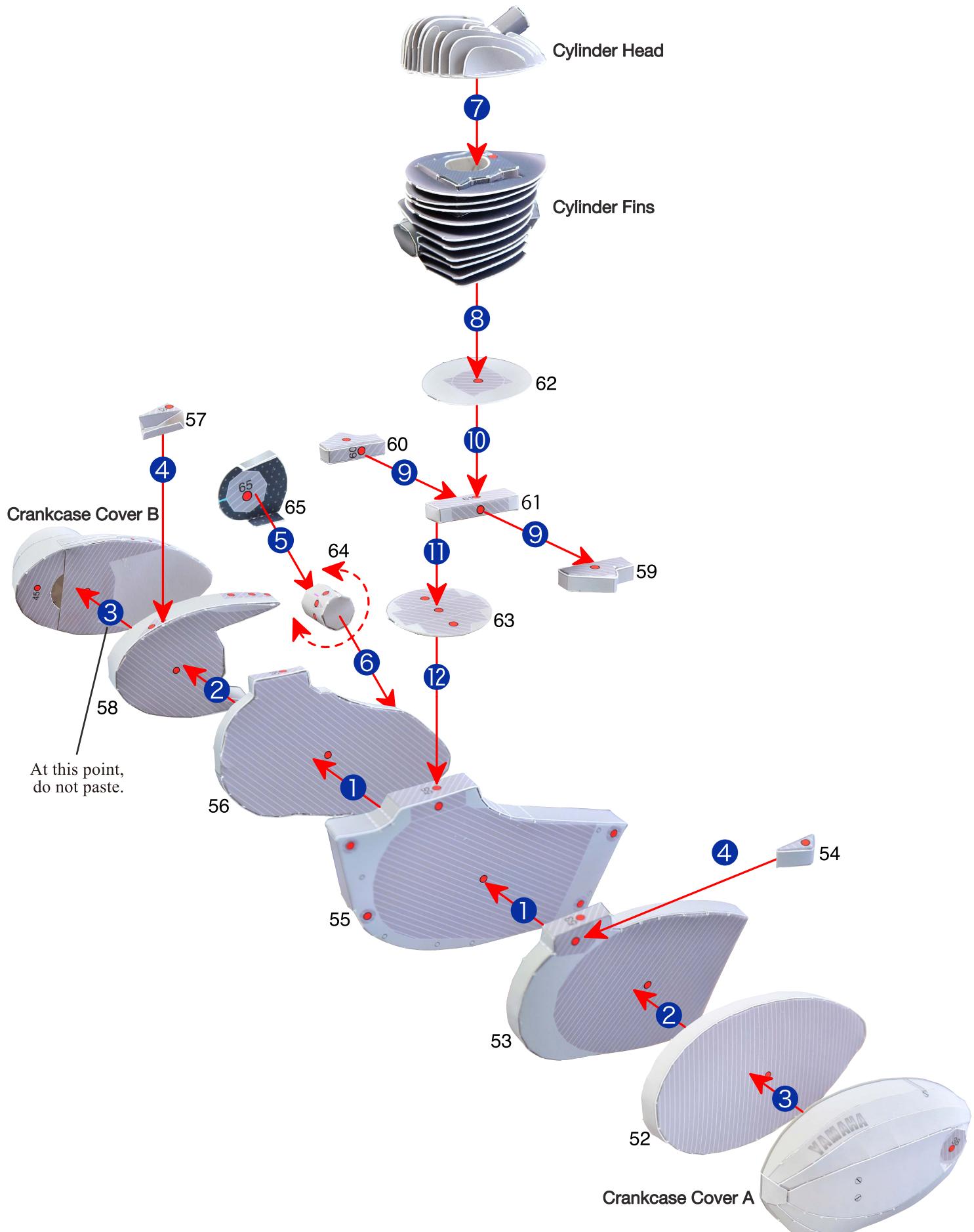
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 12 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

Glue

Insert

Gluing surfaces

⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

Glue

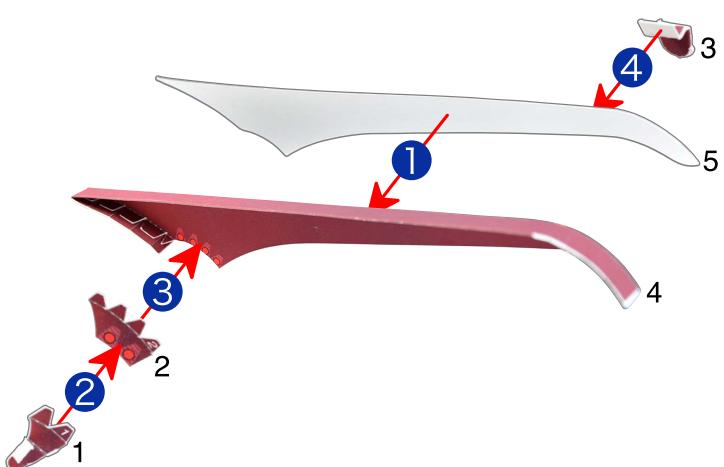
Insert

Gluing surfaces

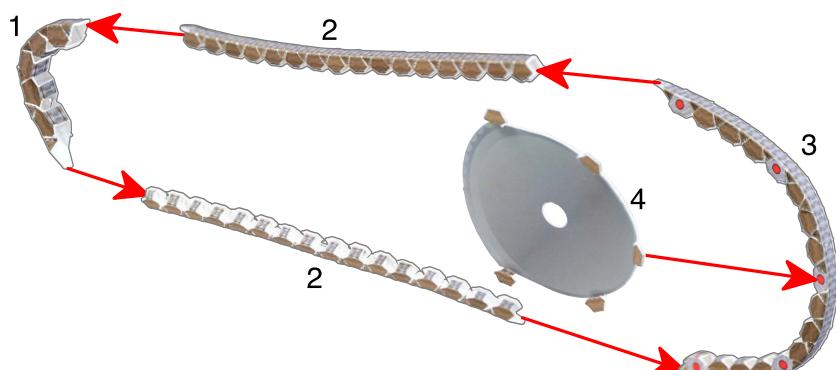
Chain Cover

Glue in order from 1 to 4 on the graphic.

⟨ Reference photo ⟩



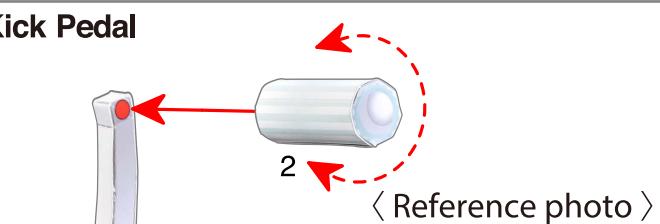
Chain



⟨ Reference photo ⟩



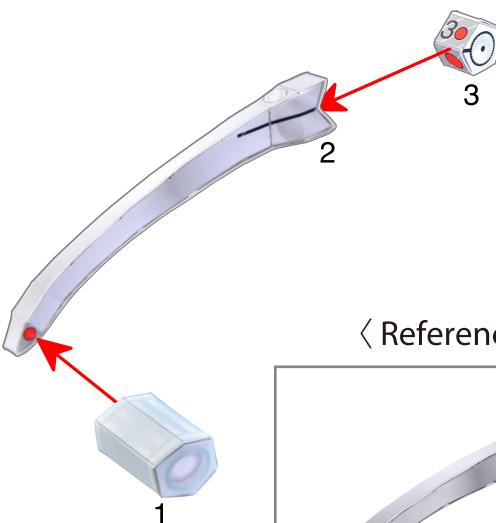
Kick Pedal



⟨ Reference photo ⟩



Change Pedal



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

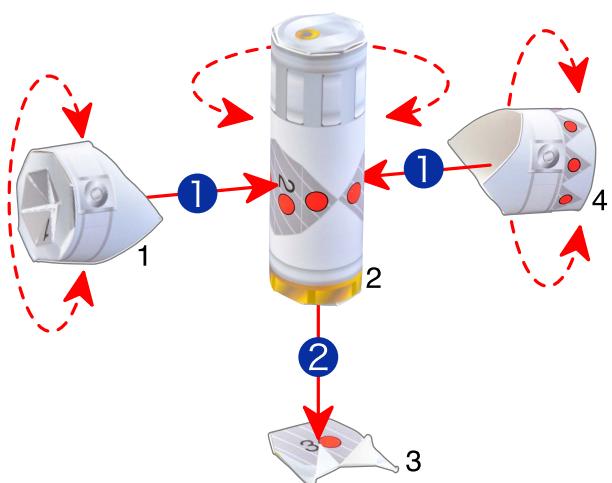
Glue

Insert

Gluing surfaces

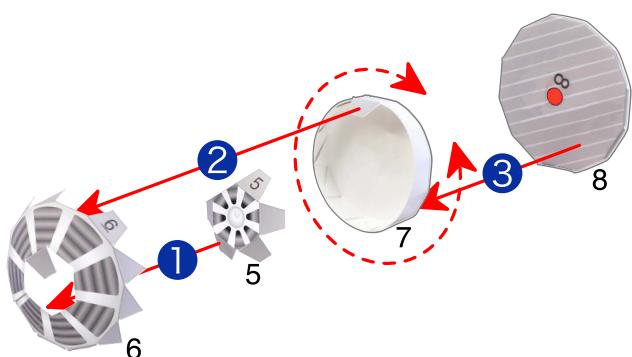
Carburetor A

Glue in order from 1 to 2 on the graphic.



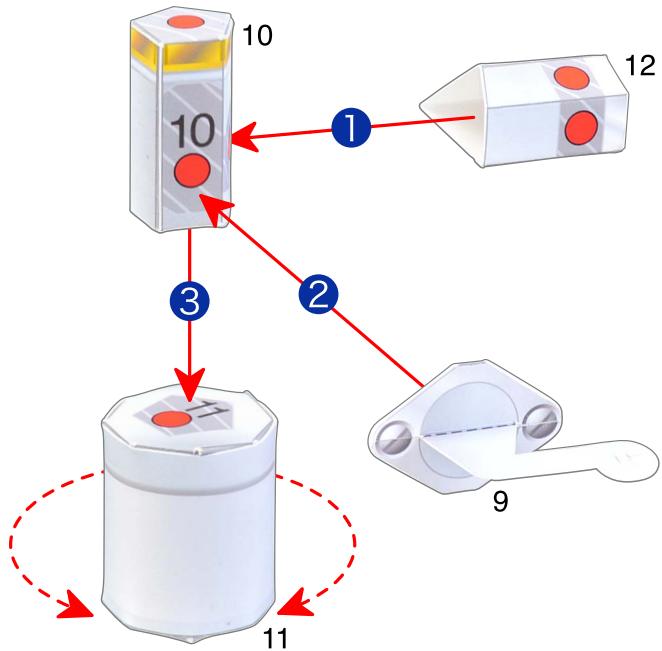
Carburetor B

Glue in order from 1 to 3 on the graphic.

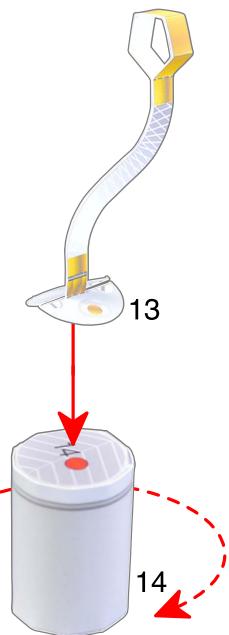


Carburetor C

Glue in order from 1 to 3 on the graphic.



Carburetor D



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

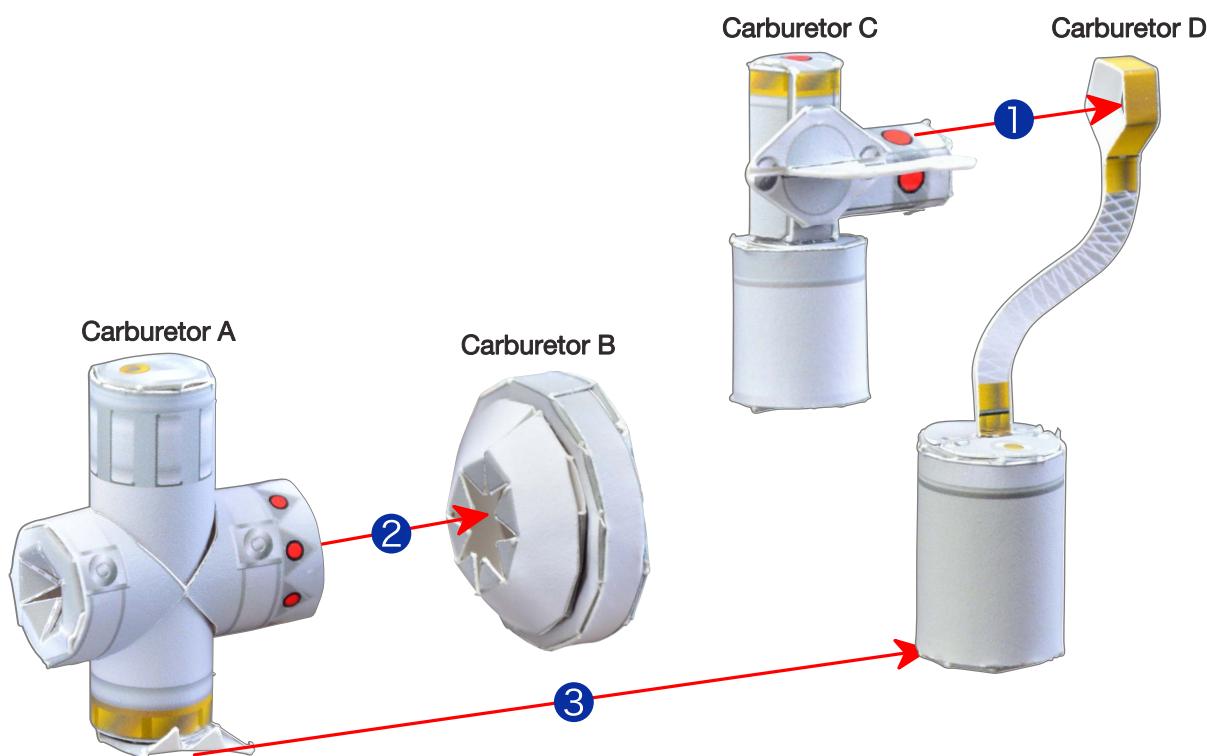
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 3 on the graphic.



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

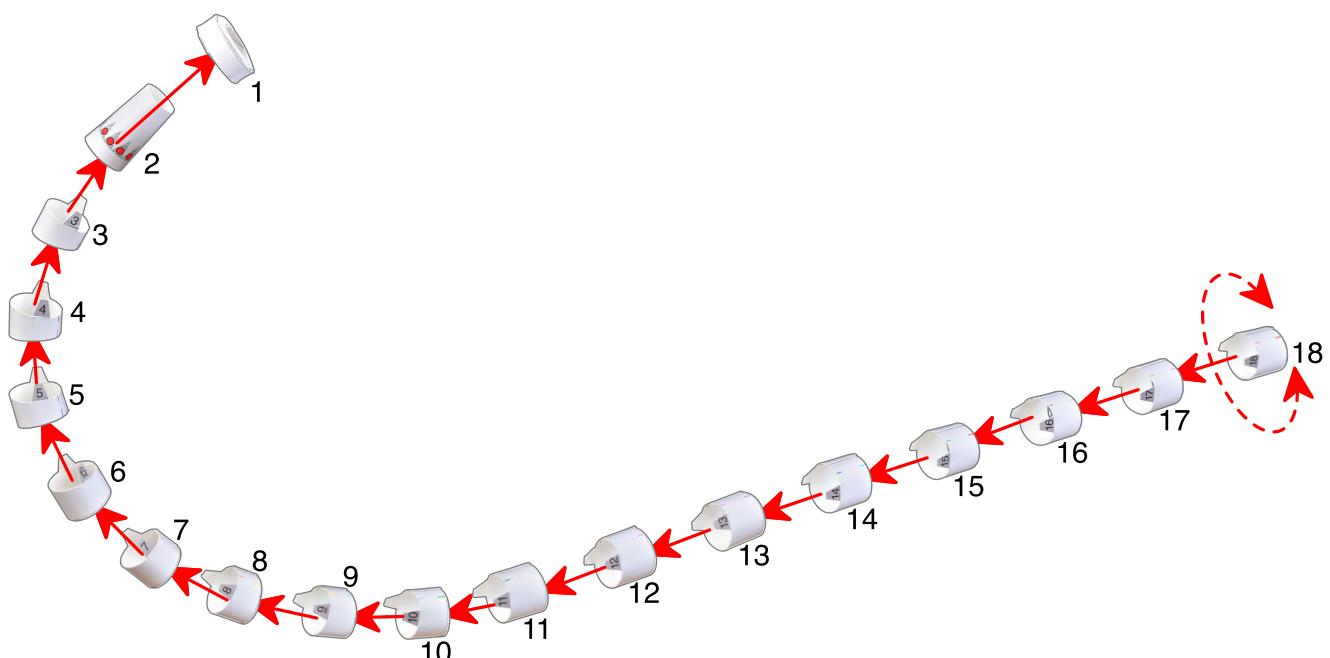
Fold or Curve

Glue

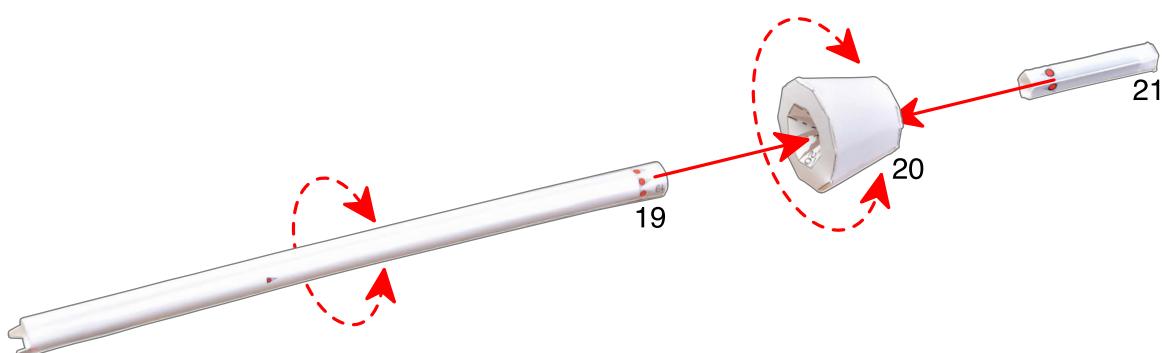
Insert

Gluing surfaces

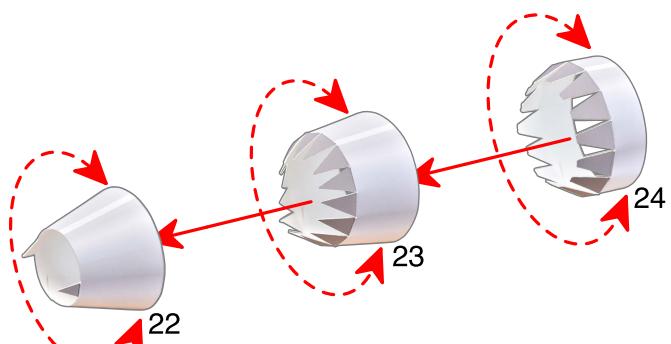
Muffler A



Muffler B

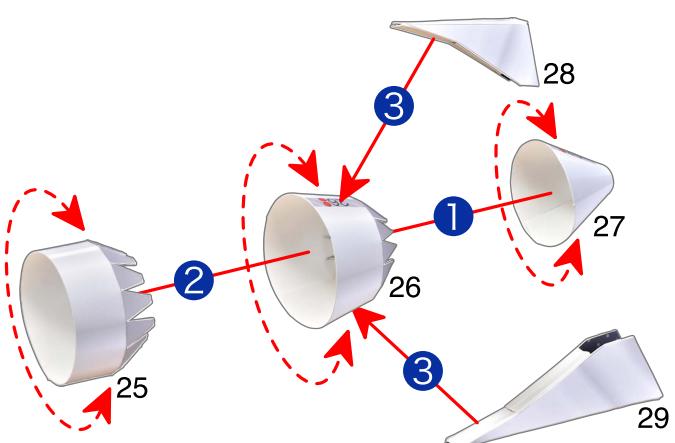


Muffler C



Muffler D

Glue in order from 1 to 3 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

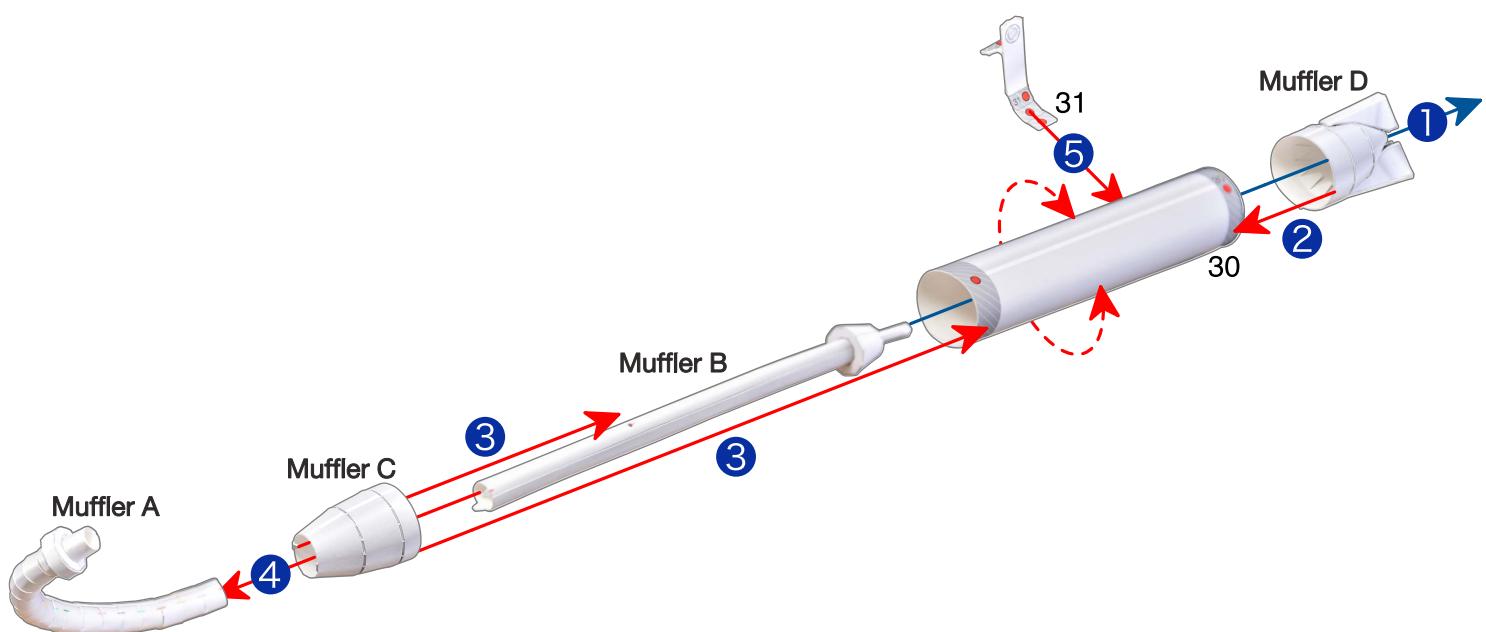
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 5 on the graphic.



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

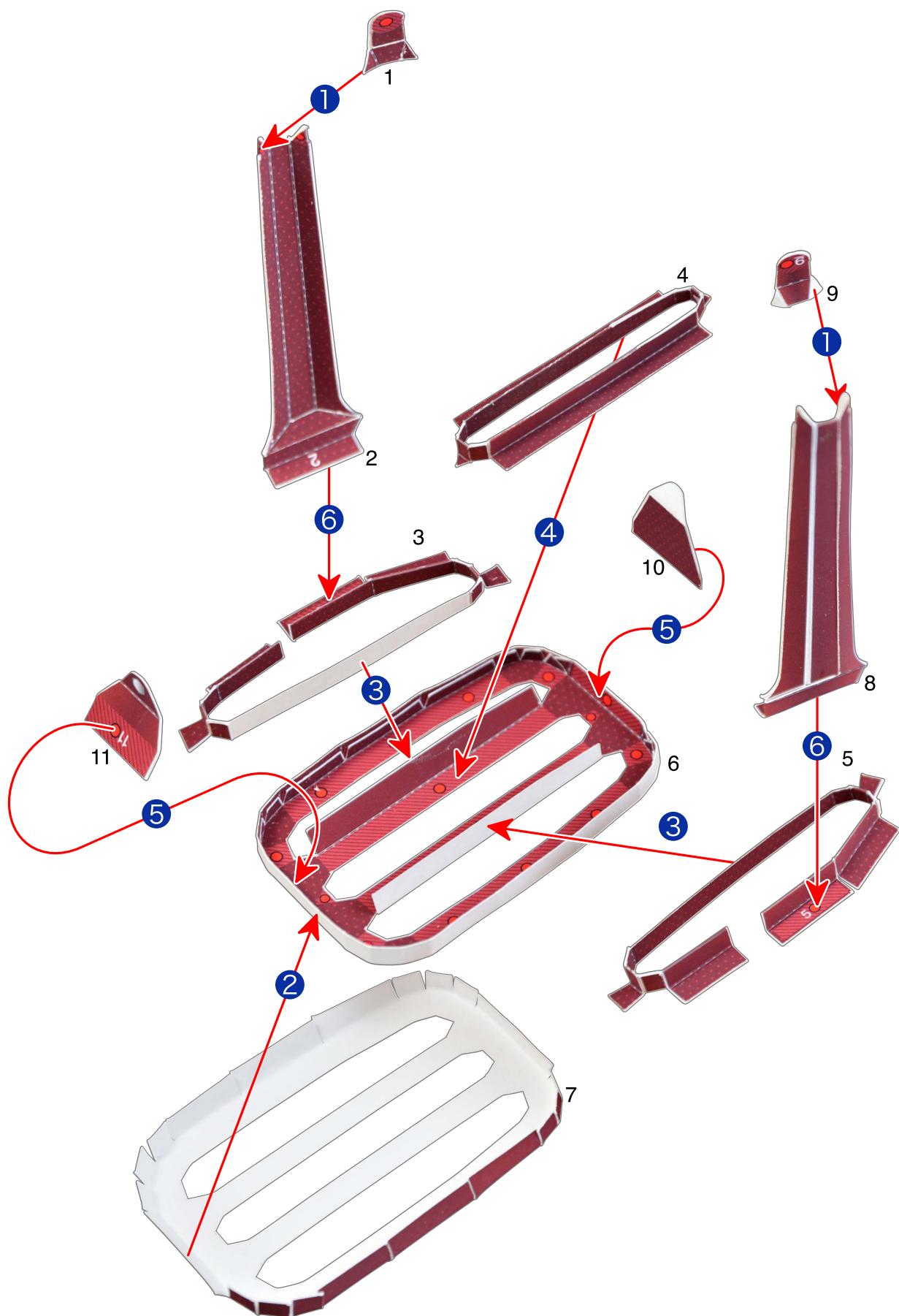
Glue

Insert

Gluing surfaces

Carrier

Glue in order from 1 to 6 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

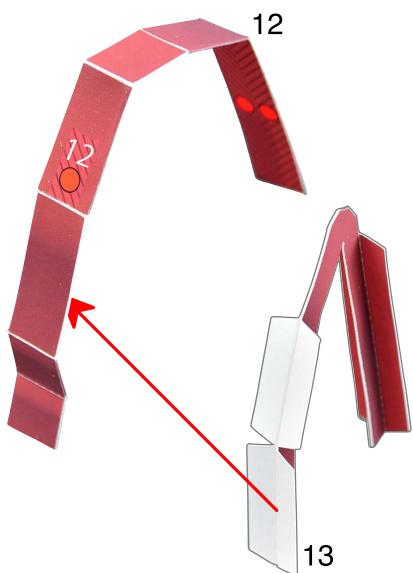
Fold or Curve

Glue

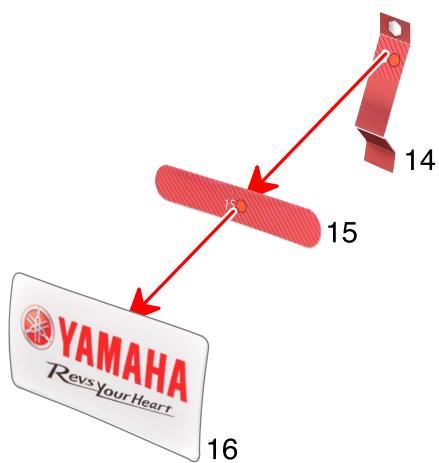
Insert

Gluing surfaces

Rear Fender A



Rear Fender B



Rear Fender C

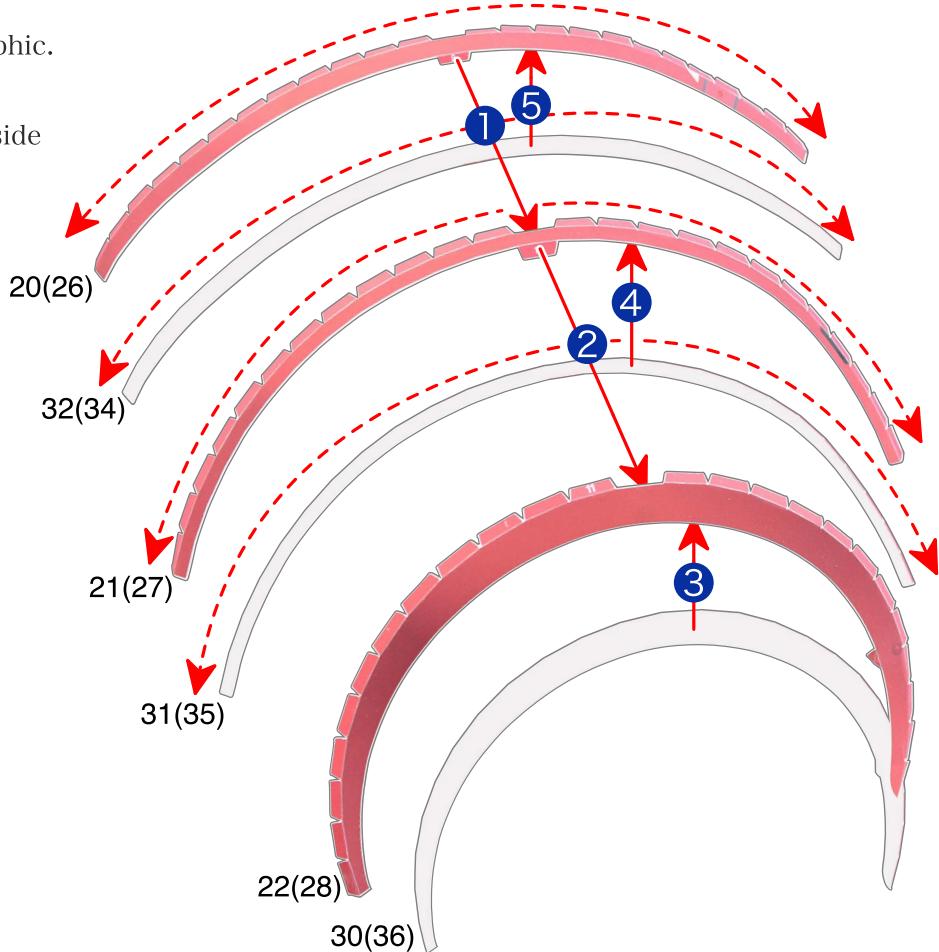
*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Rear Fender D

Glue in order from 1 to 5 on the graphic.

*Assemble both sides. The diagram shows the left side. The number inside the () is for the right side.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

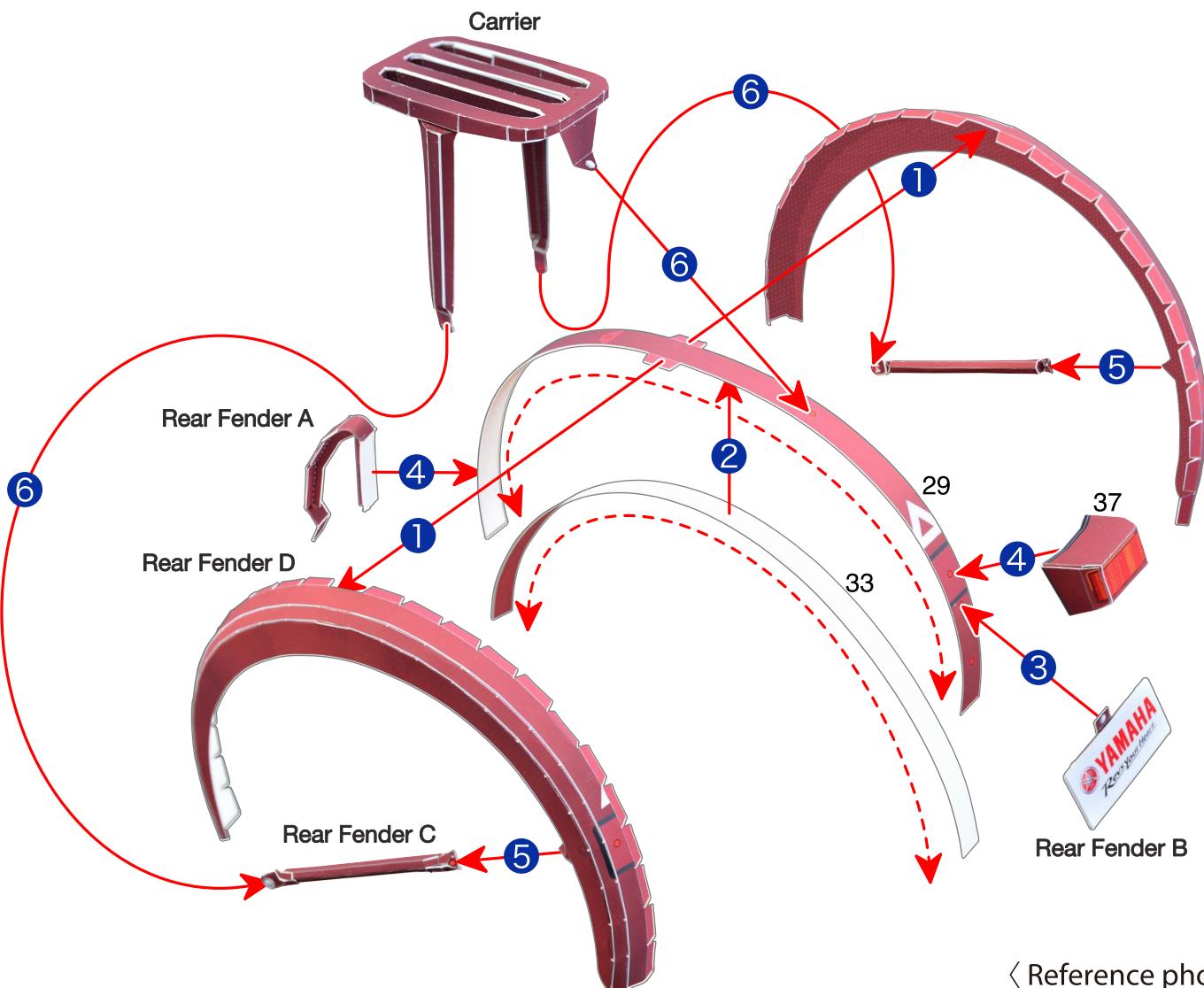
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 6 on the graphic.



⟨ Reference photo ⟩



YA-1

Yamaha Motor's First Motorcycle

ASSEMBLY INSTRUCTIONS **vol.3**



Front Tire, Rear Tire, Full Model Assembly Instructions



By assembling all parts referring to the symbols on the parts sheet and the assembly instructions, a paper craft model faithfully reproducing the "YAMAHA YA-1" is completed.

These **Assembly instructions** apply only to the "YAMAHA YA-1."

Please download the parts sheets separately.

These Paper Craft parts are easier to work with when printed out on strong, thick paper (Paper Weight in gsm: 127.9gms ~ 157.0gms, Thickness: 0.18mm ~ 0.22mm)

Note: The copyright of this paper craft belongs to MUKOYAMA KU-KAN.

This paper craft is intended for personal enjoyment. The contents of the Paper Crafts (net drawing and instructions and assembled finished model), including the designs, text, and images, may not be quoted, reproduced, used, copied, distributed, modified, or sold without the permission of the author. However, please refrain from posting or exhibiting paper crafts for commercial purposes, such as explaining how to make paper crafts to the general public, or posting videos or images of paper crafts. These terms and conditions are deemed to be agreed upon upon opening the file. You are also deemed to have agreed to the terms of use and violations of the MUKOYAMA KU-KAN website.



3 Assembly

Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

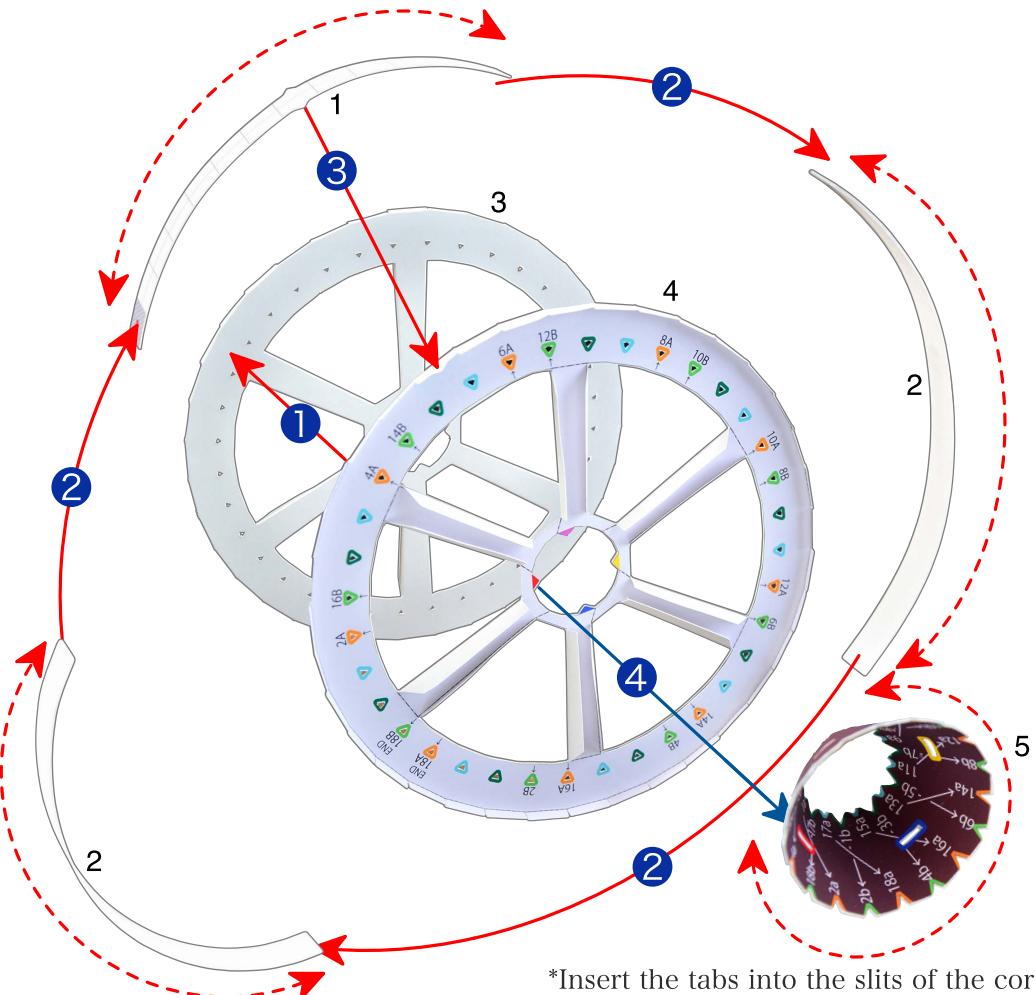
Glue

Insert

Gluing surfaces

Front Tire Spoke

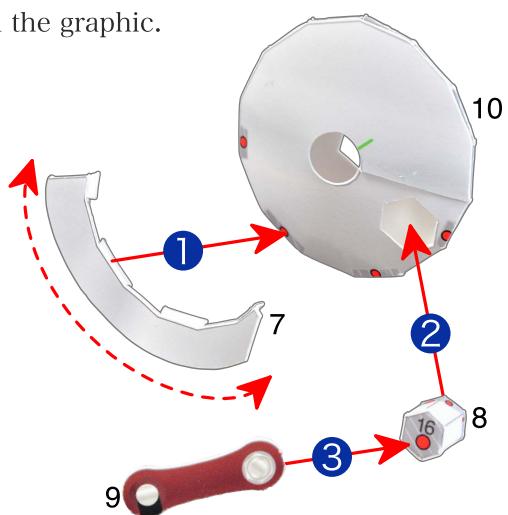
Glue in order from 1 to 4 on the graphic.



*Insert the tabs into the slits of the corresponding colors.

Front Brake

Glue in order from 1 to 3 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

Glue

Insert

Gluing surfaces

Assembly of Spokes - 1 (Section A)

Tie a string to Hole 1A in the front tire spoke. Lace the string through the spindle via Gutter 1a of the spindle, hook it at Gutter 2a to lace through Holes 2A then 3A. Bring the string to Gutter 3a and lace it through the spindle to Gutter 4a. Repeat this procedure until the string reaches Hole 18A. Tie the string there.

*When you complete Section A, assemble Section B in the same manner.

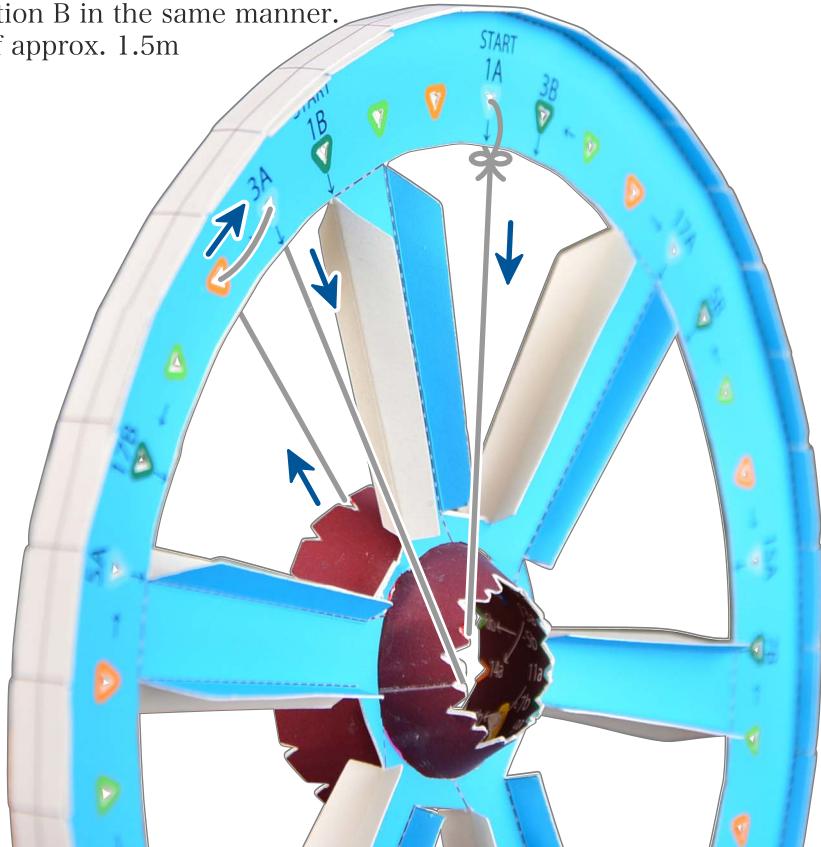
*String(e.g. an embroidery thread) A couple of approx. 1.5m strings per wheel.

Lacing Procedure for Section A

1A→1a→2a→2A→3A→3a→4a→4A→5A→
5a→6a→6A→7A→7a→8a→8A→9A→9a→
10a→10A→11A→11a→12a→12A→13A→
13a→14a→14A→15A→15a→16a→16A→
17A→17a→18a→18A

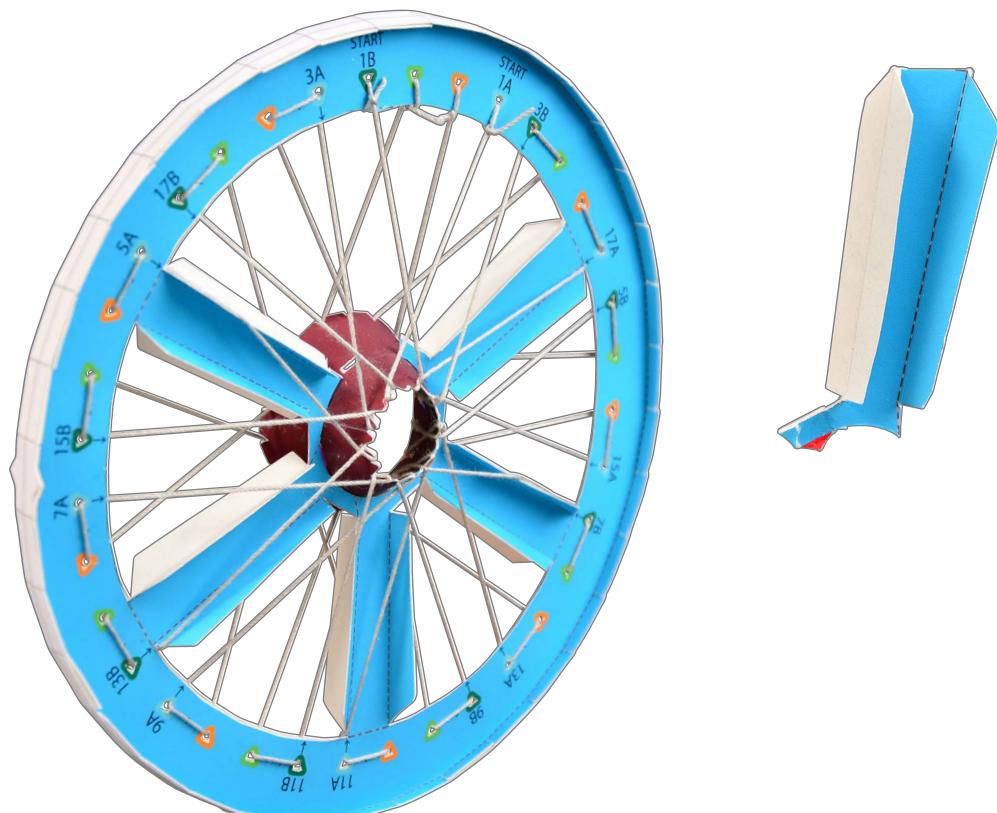
Lacing Procedure for Section B

1B→1b→2b→2B→3B→3b→4b→4B→5B→
5b→6b→6B→7B→7b→8b→8B→9B→9b→
10b→10B→11B→11b→12b→12B→13B→
13b→14b→14B→15B→15b→16b→16B→
17B→17b→18b→18B



Assembly of Spokes - 2

Once you complete the lacing of Sections A and B, detach the post of the front tire spoke.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

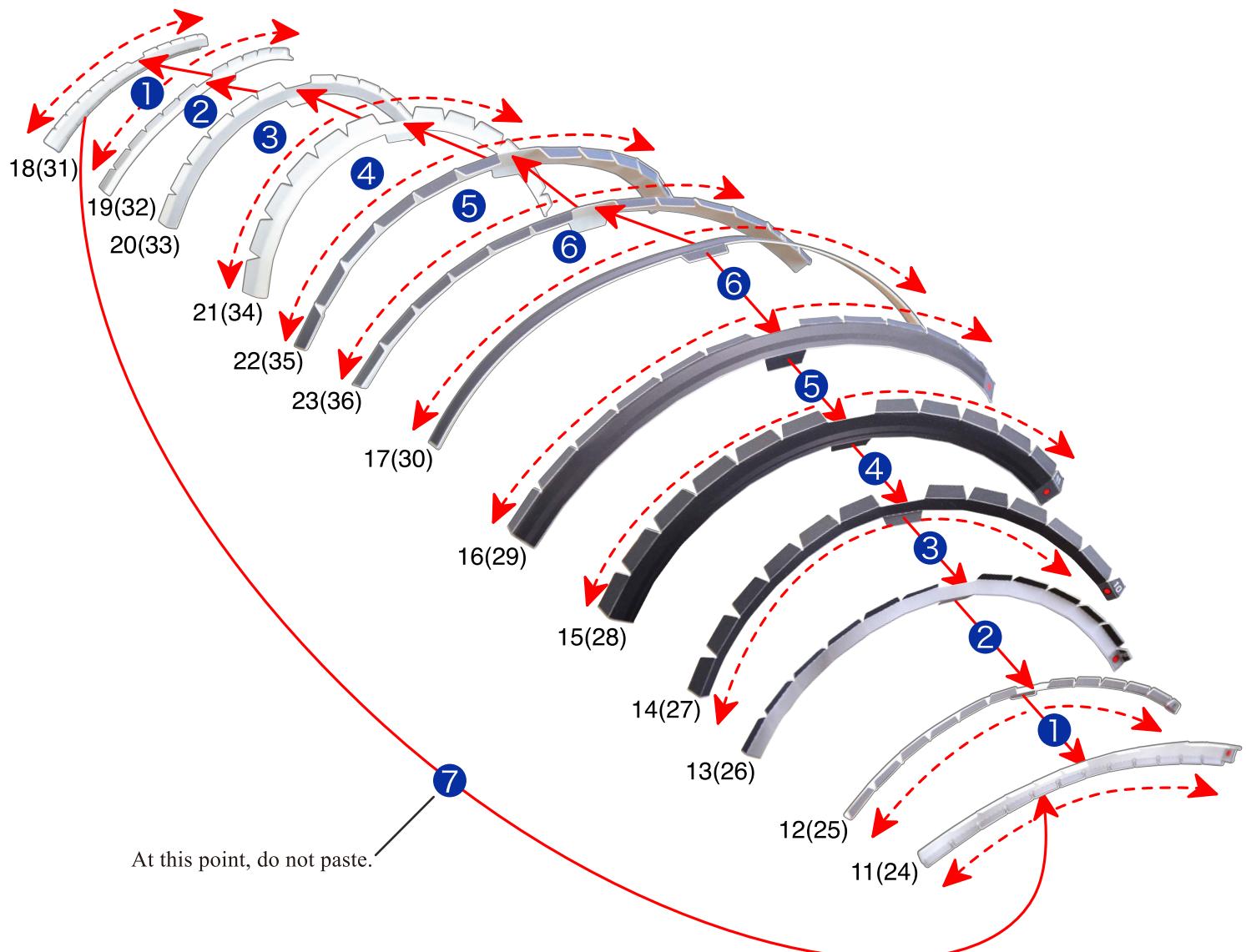
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 7 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

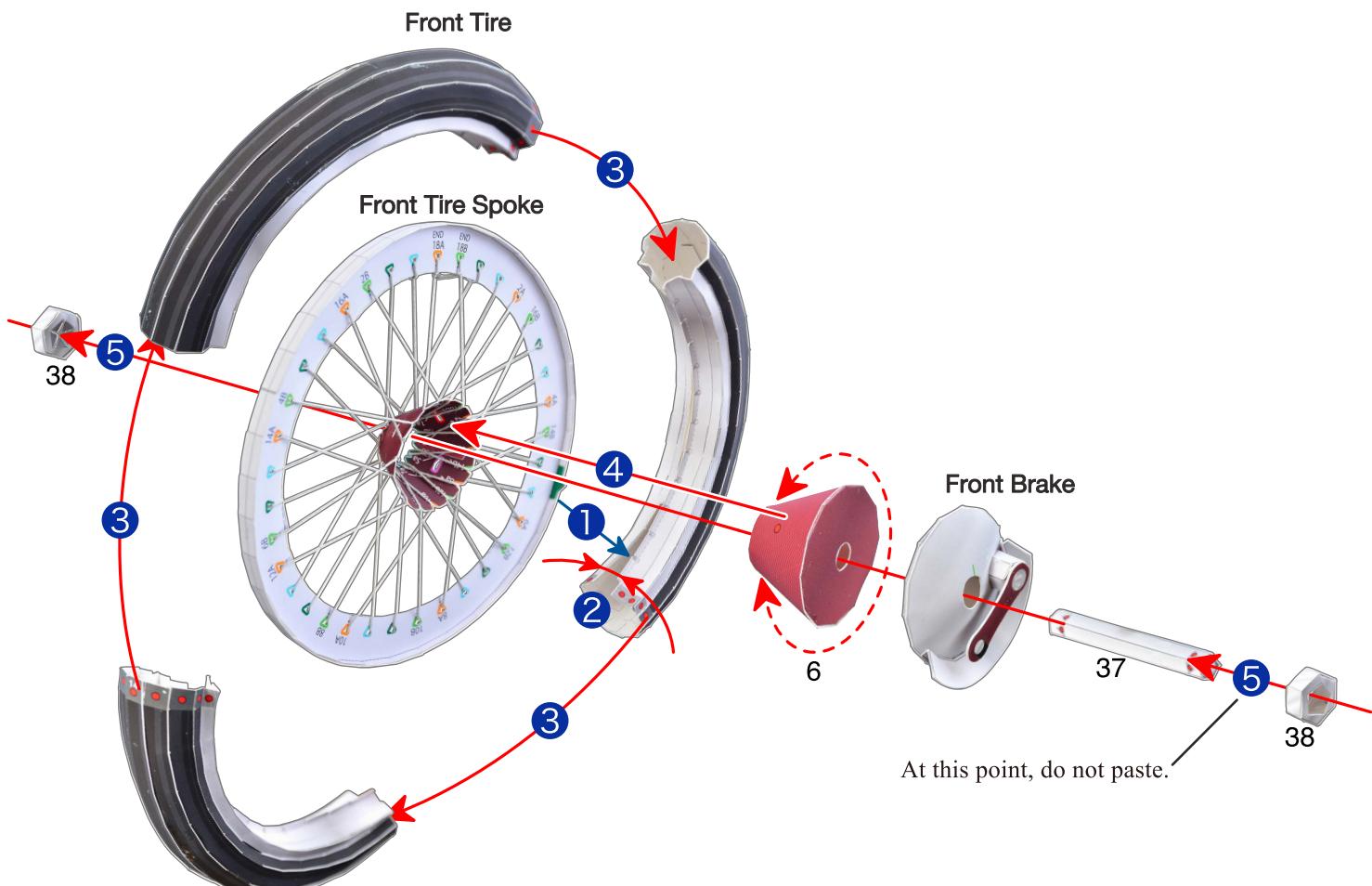
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 5 on the graphic.



⟨ Reference photo ⟩



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

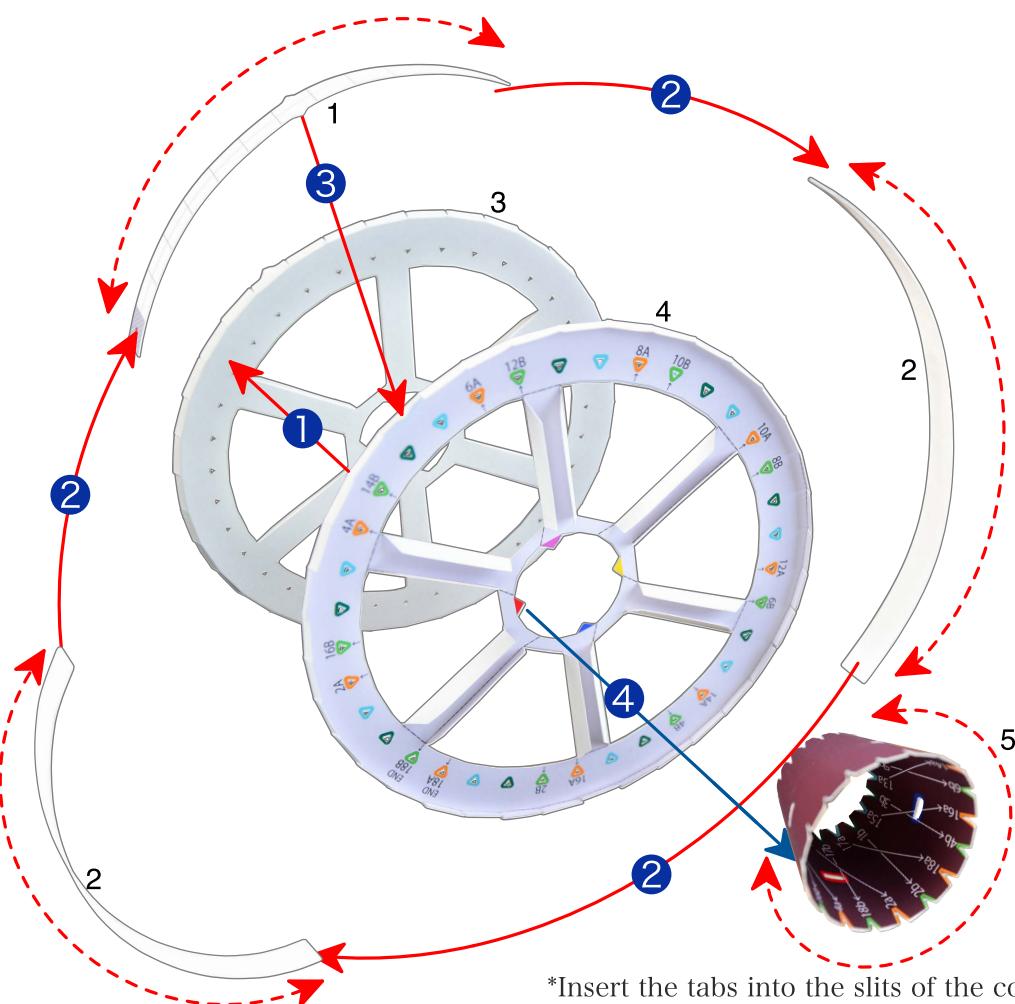
Glue

Insert

Gluing surfaces

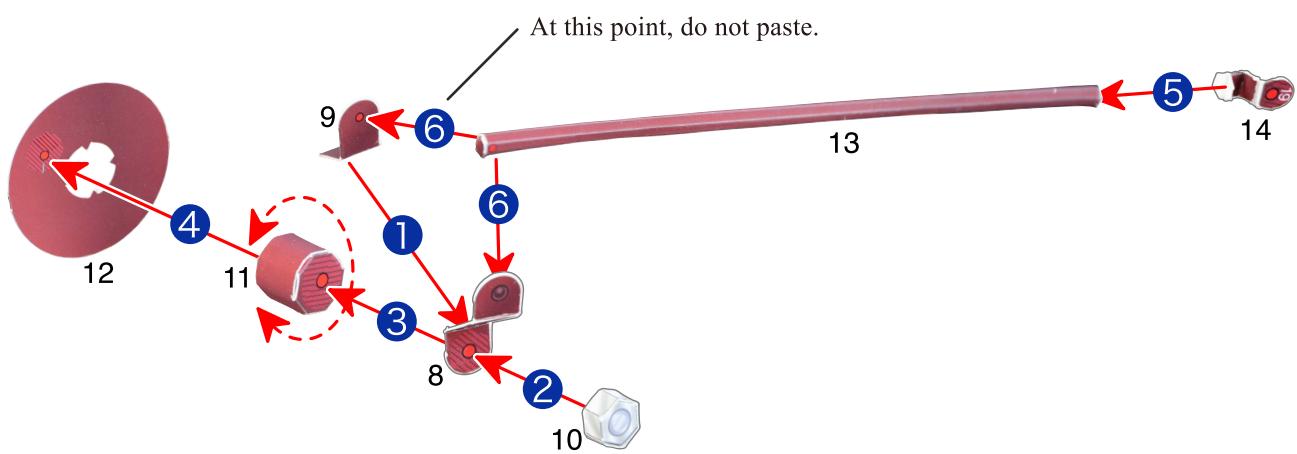
Rear Tire Spoke

Glue in order from 1 to 4 on the graphic.



Rear Brake B

Glue in order from 1 to 6 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

Fold or Curve

Glue

Insert

Gluing surfaces

Assembly of Spokes - 1 (Section A)

Tie a string to Hole 1A in the rear tire spoke. Lace the string through the spindle via Gutter 1a of the spindle, hook it at Gutter 2a to lace through Holes 2A then 3A. Bring the string to Gutter 3a and lace it through the spindle to Gutter 4a. Repeat this procedure until the string reaches Hole 18A. Tie the string there.

*When you complete Section A, assemble Section B in the same manner.

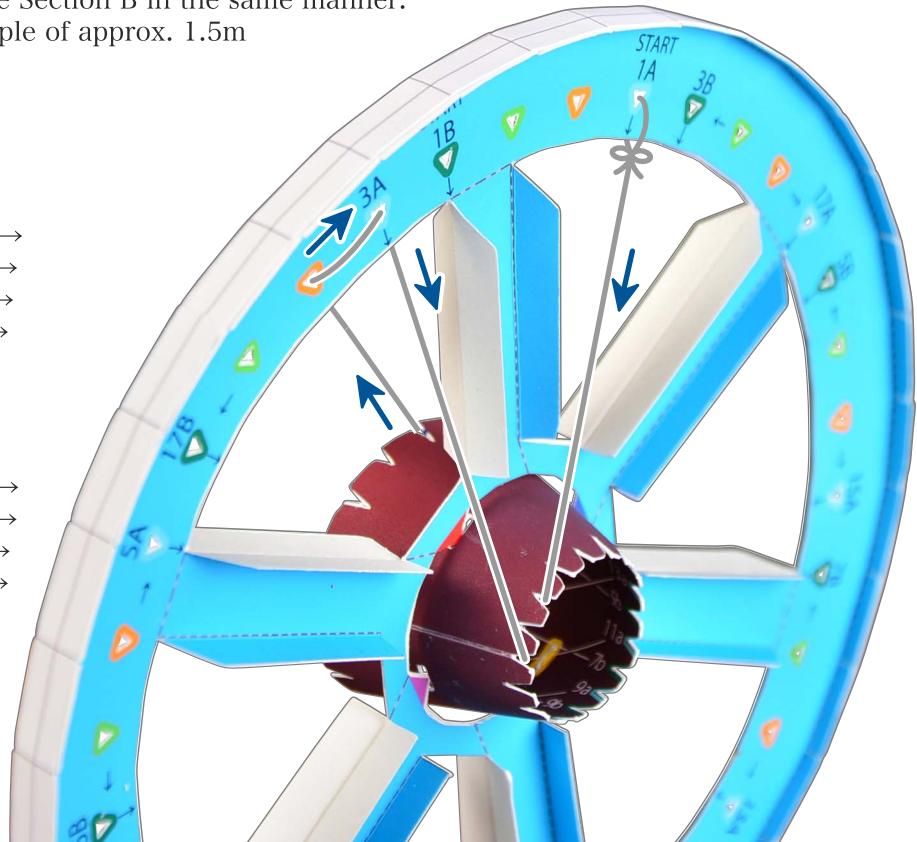
*String(e.g. an embroidery thread) A couple of approx. 1.5m strings per wheel.

Lacing Procedure for Section A

1A→1a→2a→2A→3A→3a→4a→4A→5A→
5a→6a→6A→7A→7a→8a→8A→9A→9a→
10a→10A→11A→11a→12a→12A→13A→
13a→14a→14A→15A→15a→16a→16A→
17A→17a→18a→18A

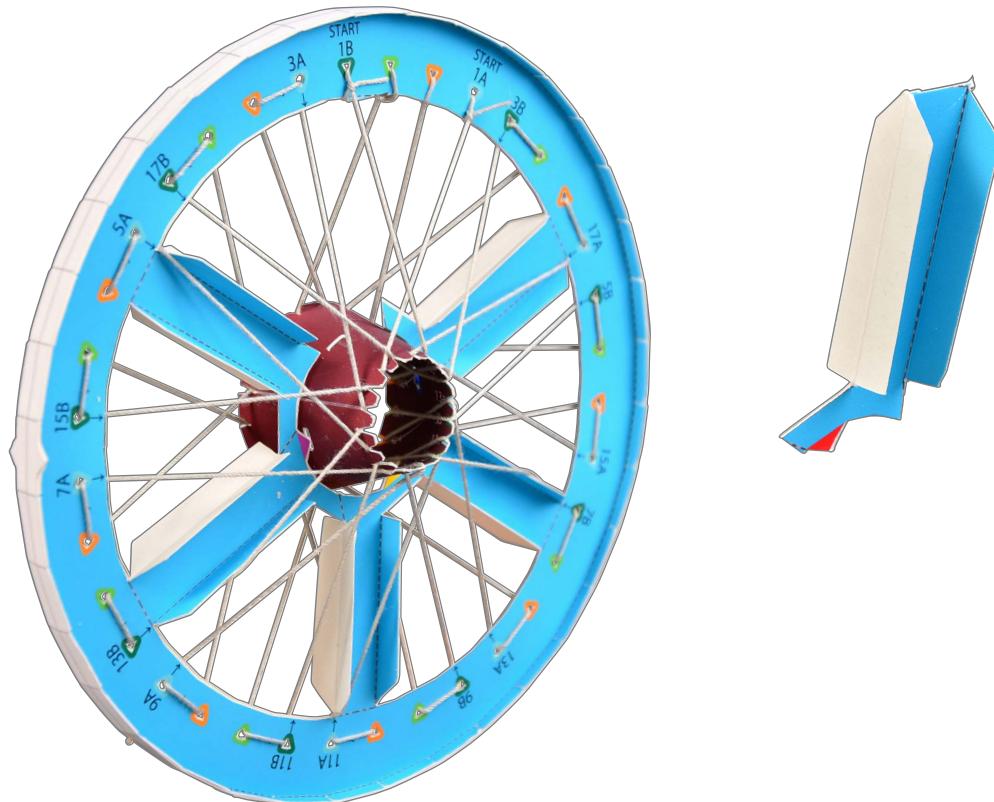
Lacing Procedure for Section B

1B→1b→2b→2B→3B→3b→4b→4B→5B→
5b→6b→6B→7B→7b→8b→8B→9B→9b→
10b→10B→11B→11b→12b→12B→13B→
13b→14b→14B→15B→15b→16b→16B→
17B→17b→18b→18B



Assembly of Spokes - 2

Once you complete the lacing of Sections A and B, detach the post of the rear tire spoke.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

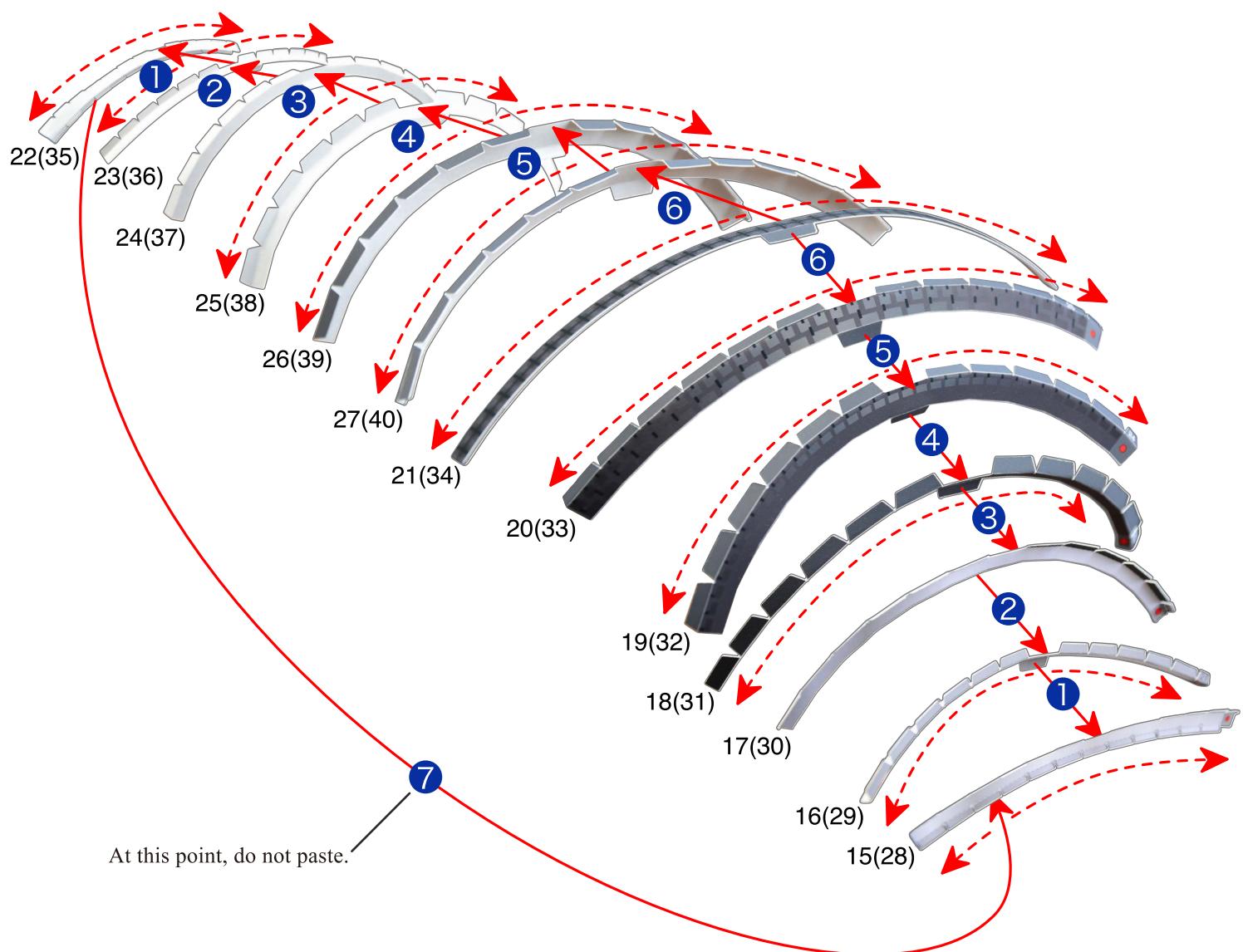
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 7 on the graphic.



Please refer to the "Basic working method and markings" symbol chart on Page 2 to assemble each part.

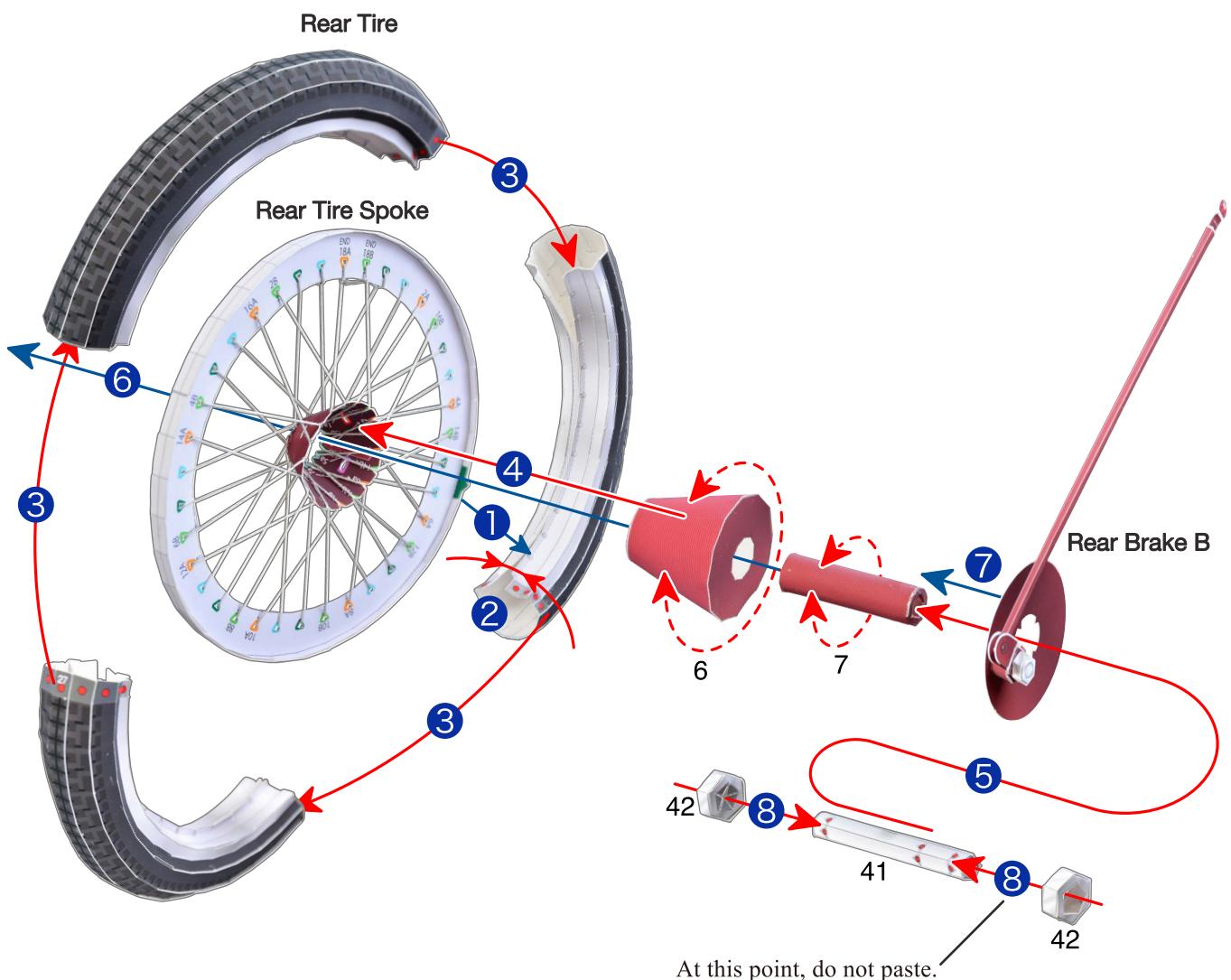
Fold or Curve

Glue

Insert

Gluing surfaces

Glue in order from 1 to 8 on the graphic.



⟨ Reference photo ⟩



4 Completion

Connect each of previously assembled parts in order.



Fold or Curve



Glue

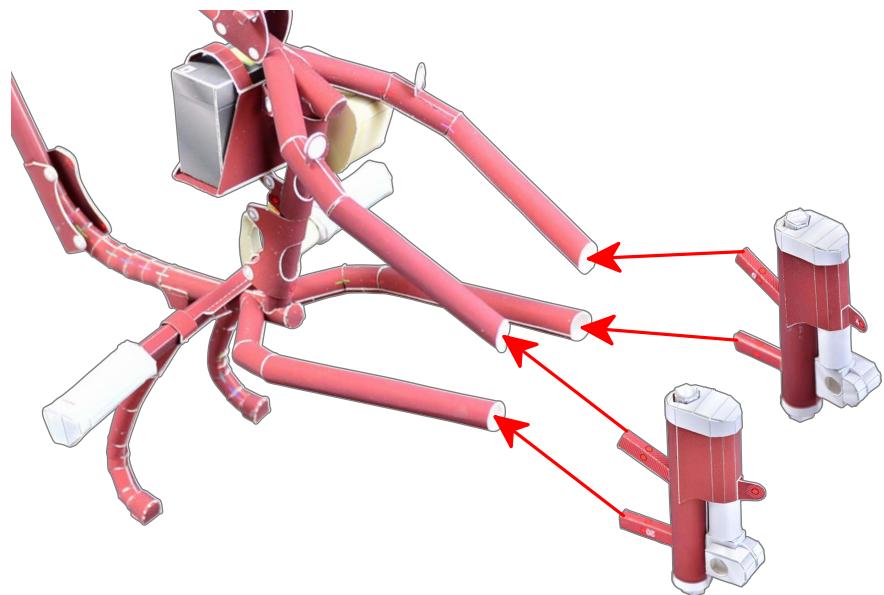


Insert

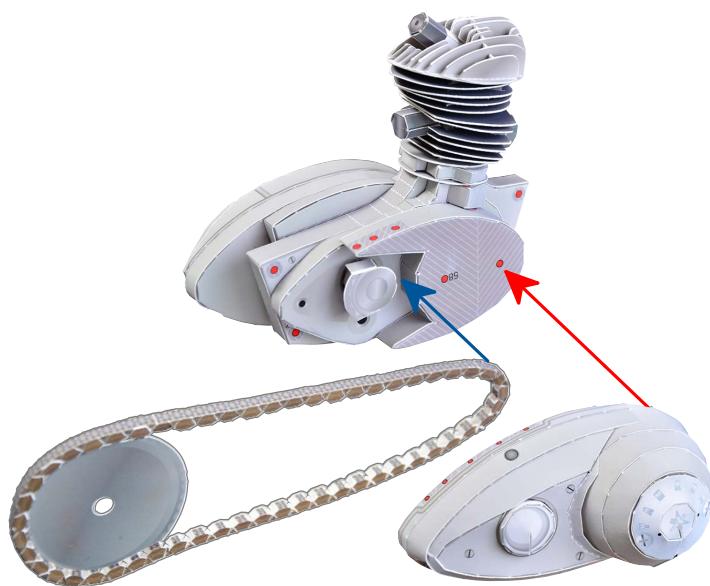


Gluing surfaces

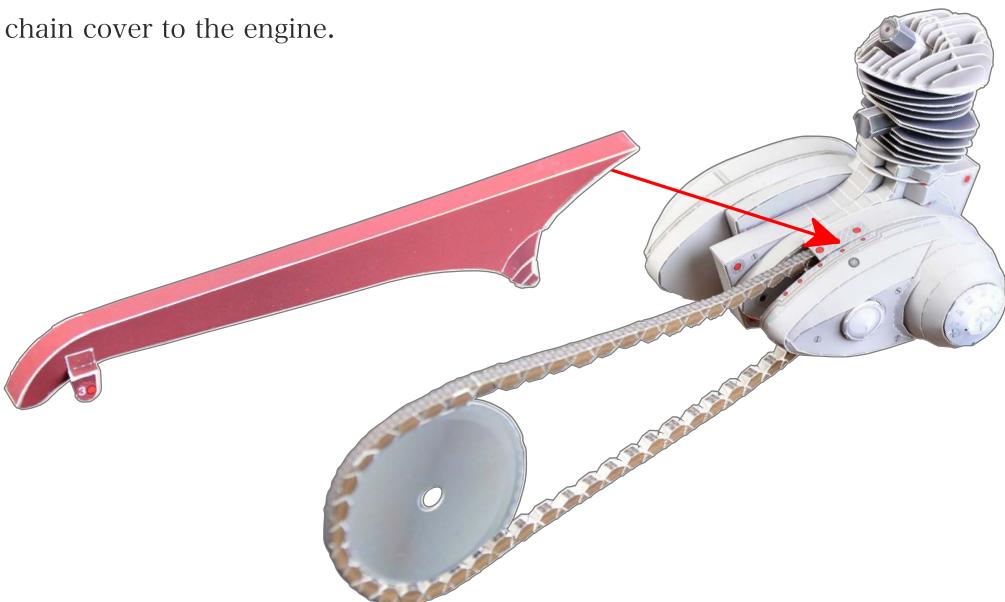
- 1 Glue the rear cushion to the frame.



- 2 Attach the chain to the engine.



- 3 Glue the chain cover to the engine.



Connect each of previously assembled parts in order.

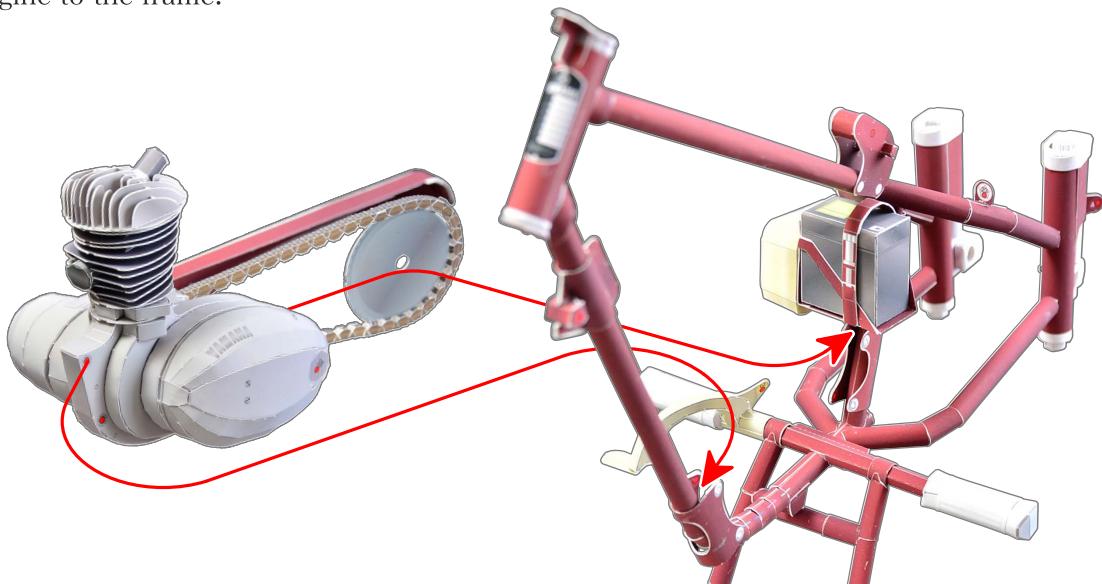
Fold or Curve

Glue

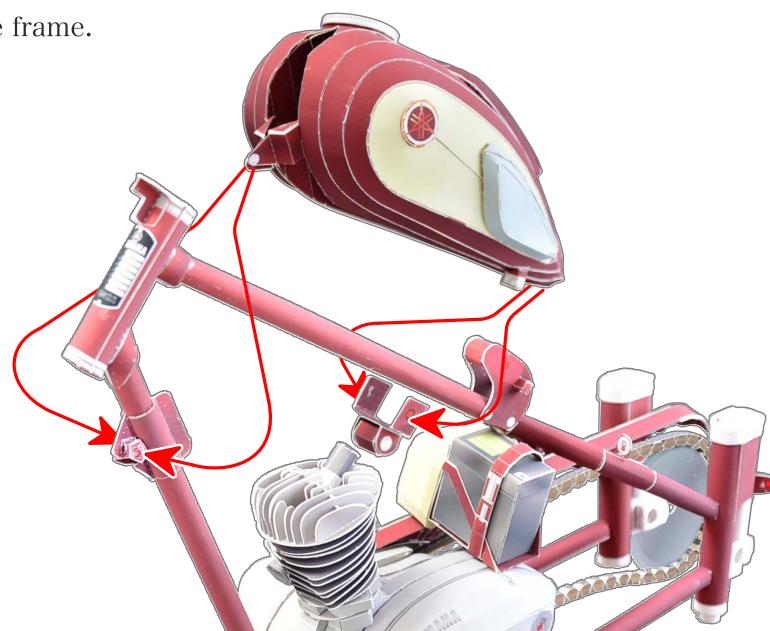
Insert

Gluing surfaces

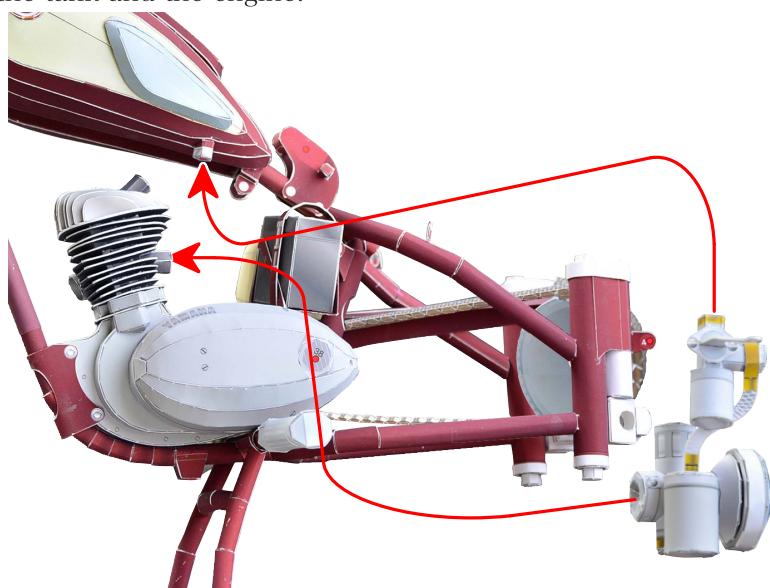
4 Glue the engine to the frame.



5 Glue the tank to the frame.



6 Glue the carburetor to the tank and the engine.



Connect each of previously assembled parts in order.

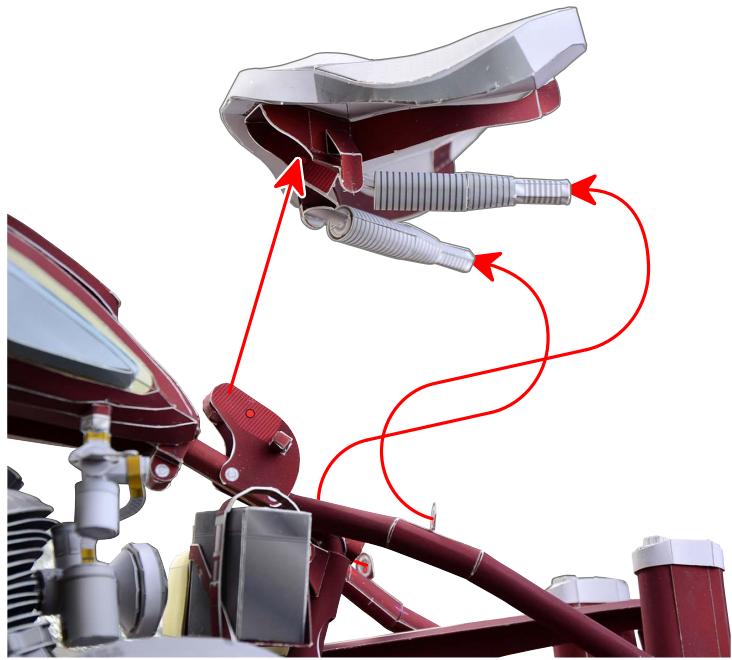
Fold or Curve

Glue

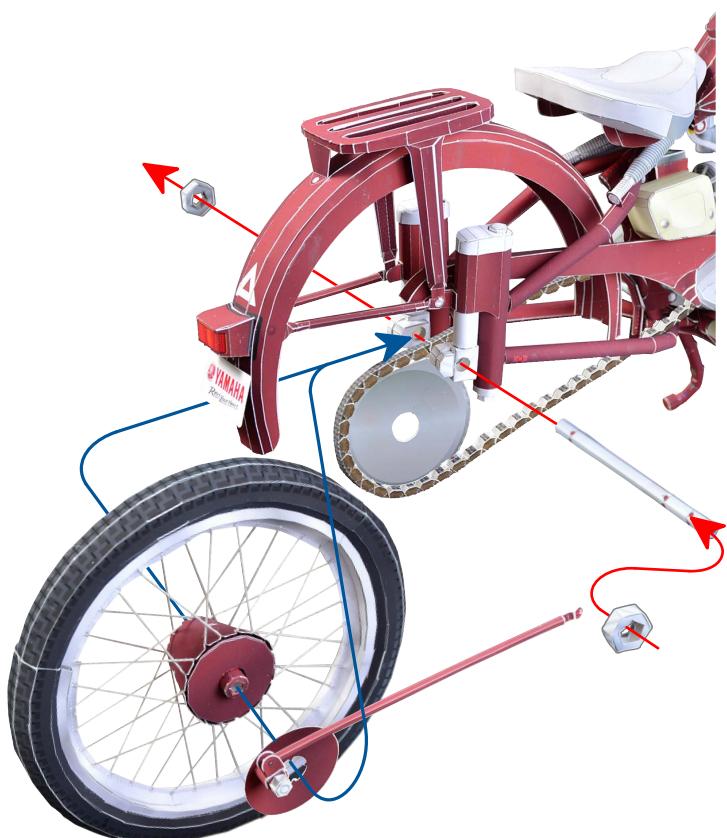
Insert

Gluing surfaces

7 Glue the saddle to the frame.



9 Attach the rear tire to the rear cushion.



8 Glue the rear fender to the frame and the rear cushion.



Connect each of previously assembled parts in order.

Fold or Curve

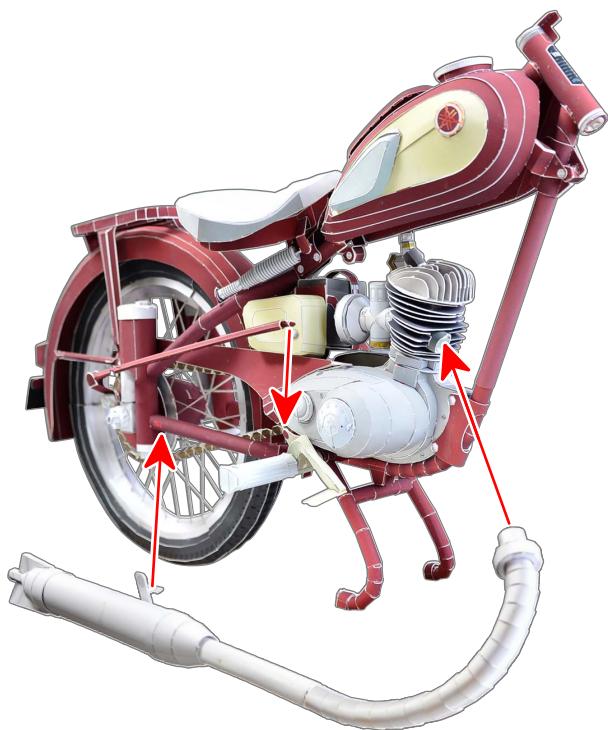
Glue

Insert

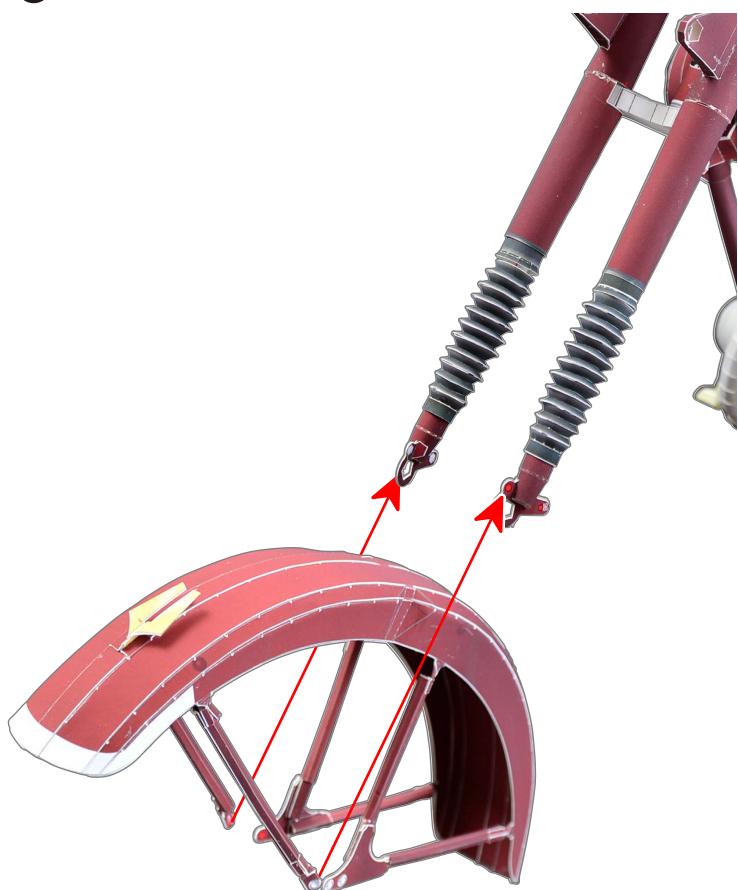
Gluing surfaces

10 Glue the muffler to the engine and the frame.

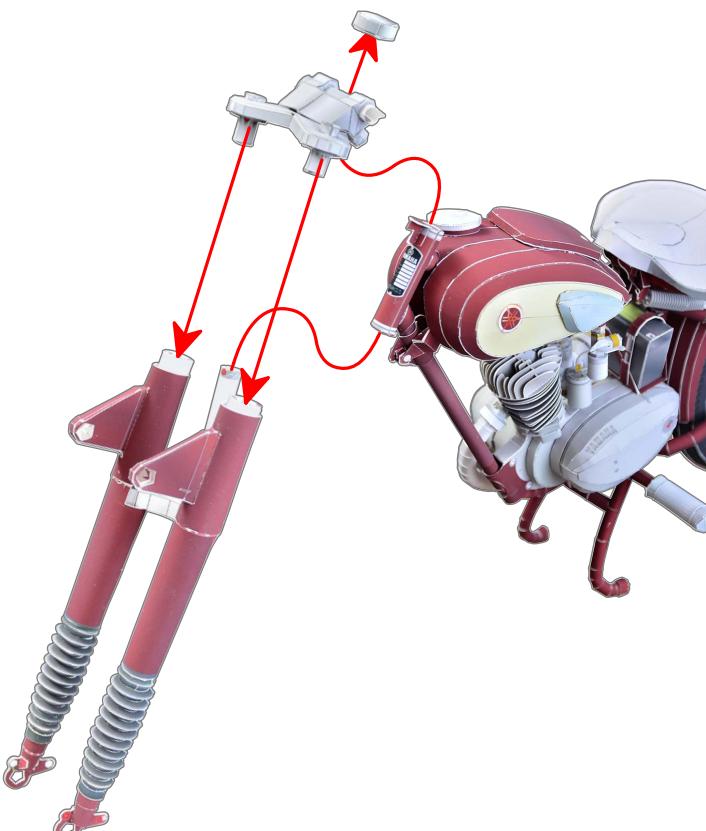
11 Glue Rear Brakes A and B.



13 Glue the front fender to the steering part.



12 Attach the steering part to the frame.



14 Attach the front tire to the steering part.



Connect each of previously assembled parts in order.

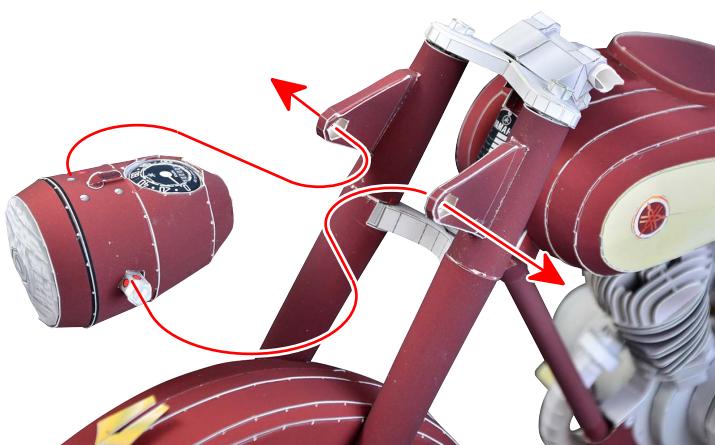
Fold or Curve

Glue

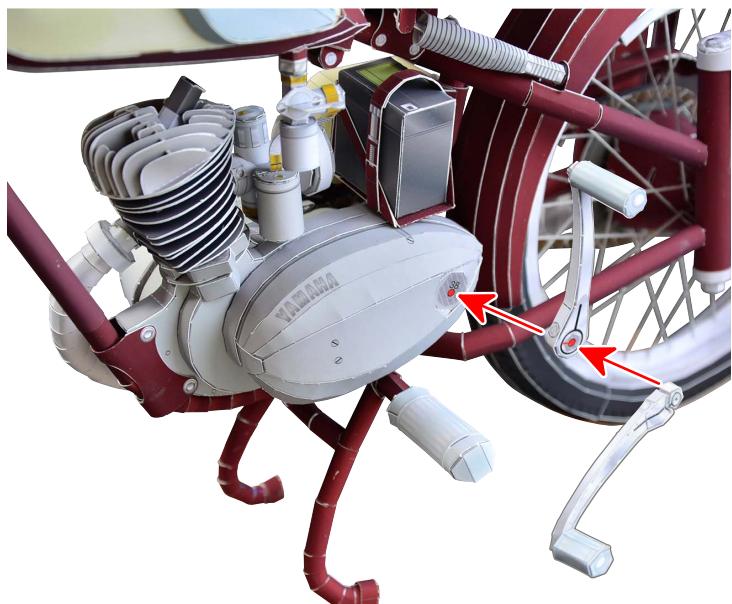
Insert

Gluing surfaces

15 Glue the headlight to the steering part.

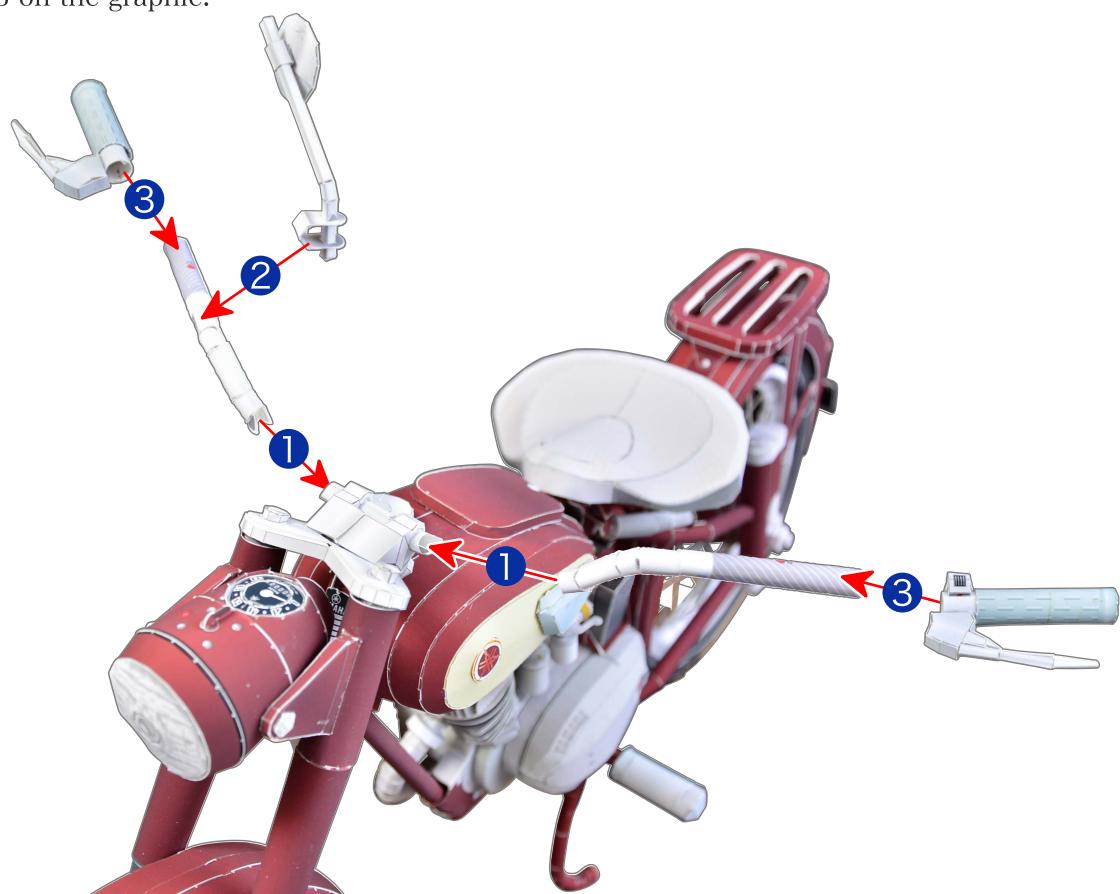


17 Glue the kick pedal and the change pedal to the engine.



16 Glue Steering Parts A and B to Steering Part C.

Glue in order from 1 to 3 on the graphic.



5 Assembled Model and the List of Parts

Here are pictures of the completed models. Please refer to them when assembling.



5

Assembled Model and the List of Parts

Here are pictures of the completed models. Please refer to them when assembling.



5 Assembled Model and the List of Parts

Here are pictures of the completed models. Please refer to them when assembling.

