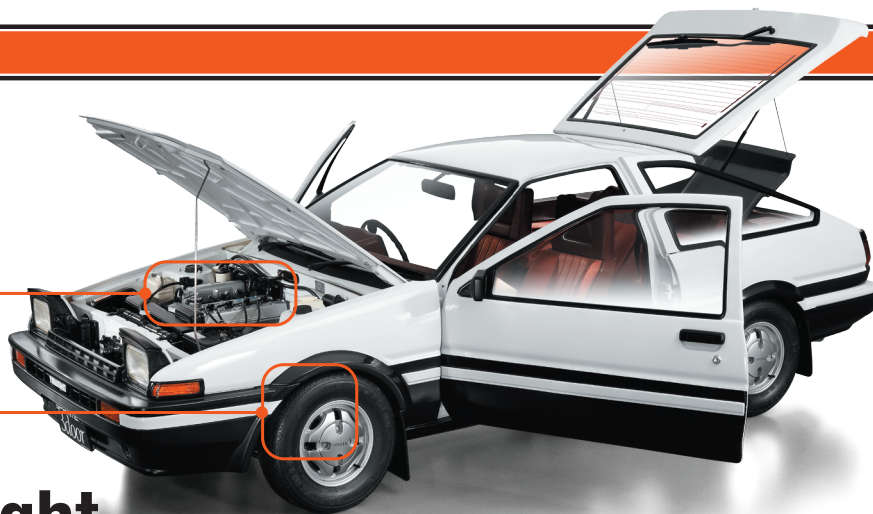


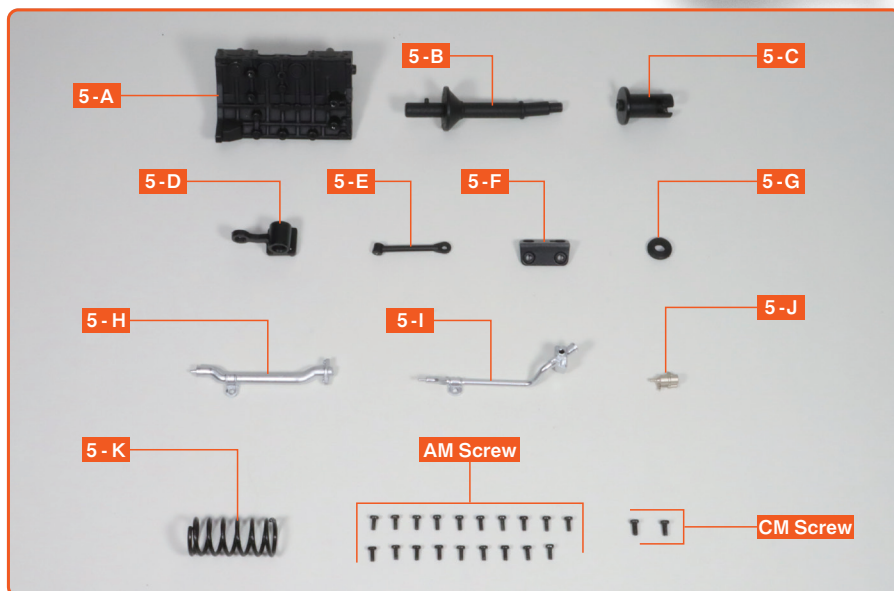
Issue 5

Attach the left front MacPherson strut and tie rod to the Front Member, and assemble the details on the right side of the engine block.

Assemble the Suspension and Right Cylinder Block



※ In this guide "Left" or "(L)", and "Right" or "(R)", refer to the direction as viewed from the driver's seat.



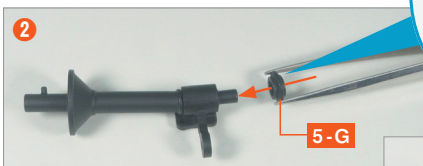
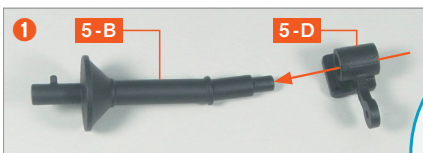
- 5-A** Cylinder Block (R)
- 5-B** MacPherson Strut (L)
- 5-C** Strut Upper Mount (L)
- 5-D** Knuckle Arm (L)
- 5-E** Tie Rod (L)
- 5-F** Cylinder Block Bracket
- 5-G** Washer
- 5-H** Water Bypass Pipe (1)
- 5-I** Water Bypass Pipe (2)
- 5-J** Vacuum Control Valve
- 5-K** Front Coil Spring
- AM Screw** (1.7×4 mm) ×19 (4Spare)
- CM Screw** (2.0×4 mm) ×2 (1Spare)

View the follow-along video

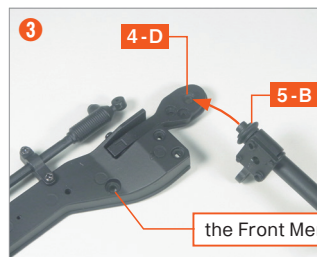
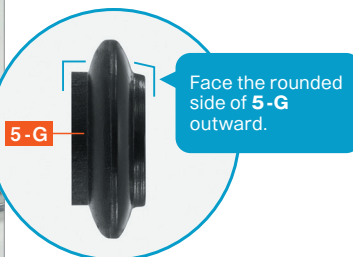


※ Due to the model's design, the shapes of some parts may differ from those of the real vehicle.

step 1 Assemble the Left MacPherson Strut and Attach the Tie Rod



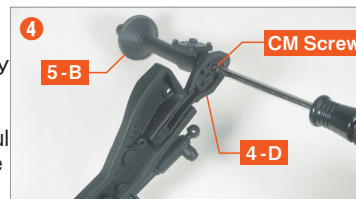
Pass the **Knuckle Arm (L) 5-D** and **Washer 5-G** through the shaft of the **MacPherson Strut (L) 5-B**.

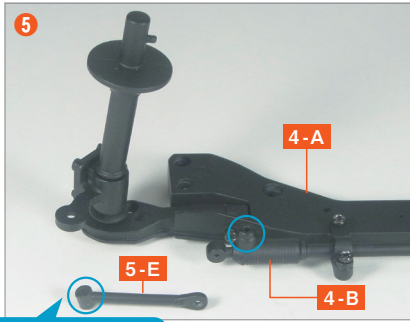


Prepare the **Front Member** assembled in step 1 of Issue 4, and align the tip of **5-B** with the hole in the **Front Lower Arm 4-D** as shown.

the Front Member assembled in Issue 4

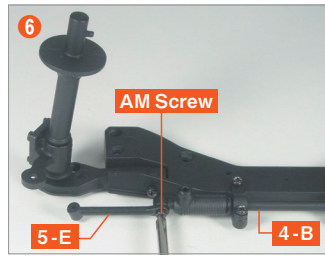
Turn the Front Member over and fasten **5-B** in place by tightening a **CM screw** through the hole in **4-D**. Be careful not to overtighten the screw, so that **5-B** can still rotate.



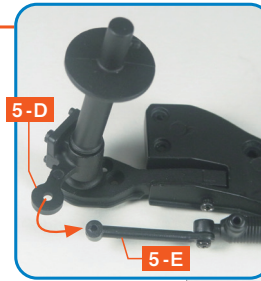


Keep the screw holes of **5-E** and **4-B**, marked with a circle, facing upward.

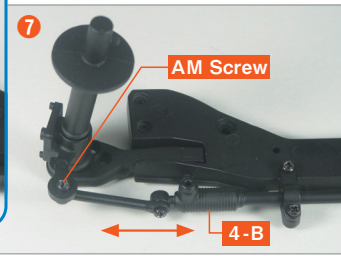
Place the **Front Member** as shown and check the orientation of the **Tie Rod (L) 5-E**.



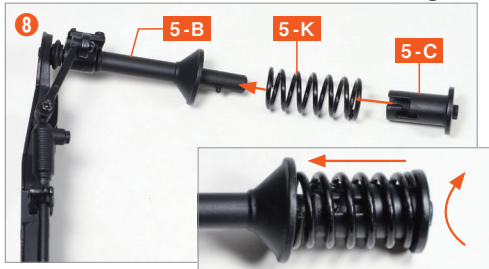
Align the screw holes of **5-E** and **4-B**, then secure them with an **AM screw**. Do not overtighten the **AM screw**.



Rotate **5-D** and align its screw hole with the screw hole at the tip of **5-E**.



Fasten **5-E** from above with an **AM screw**. Be careful not to overtighten the **AM screw**, so that **4-B** can still move side to side.



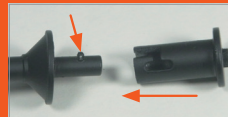
Pass the **Front Coil Spring 5-K** through the tip of **5-B** and insert the **Strut Upper Mount (L) 5-C**. While pressing **5-K**, guide the protrusion on **5-B** into the notch on **5-C**. When it meets resistance, slightly rotate **5-C** upward to secure it in place so it does not come off.



If **5-K** is stiff, wrap it with a towel and apply firm pressure while guiding it into place. Be careful not to pinch your fingers.



Assemble 5-C as shown on the right, with 5-K in place.



① While pressing the spring, align the protrusion of **5-B** with the notch on **5-C**.

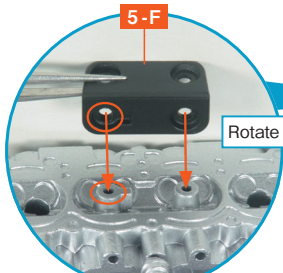


② When the protrusion meets the edge, rotate **5-C** upward.

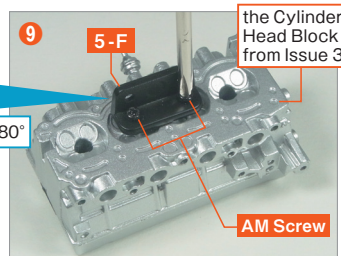


③ When it meets the edge again, release your hand; the spring will push **5-C**, securing **5-B** and **5-C** in place.

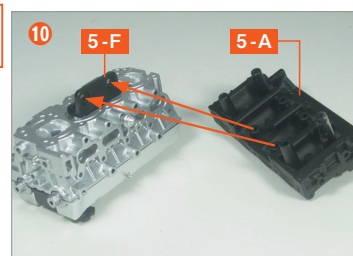
step 2 Attach the Right Cylinder Block to the Cylinder Head Block



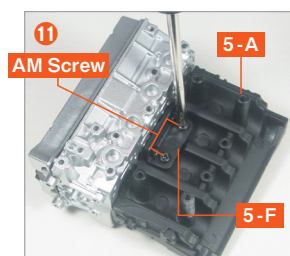
Fit **5-F** by aligning its rear recesses with the protrusions on the **Cylinder Head**.



Turn over the **Cylinder Head** block assembled in step 3 of Issue 3, align the holes of the **Cylinder Block Bracket 5-F**, and secure it with two **AM screws**.



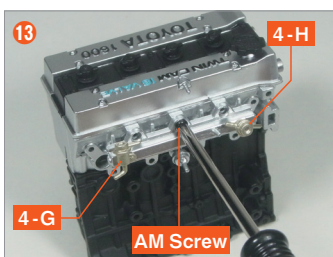
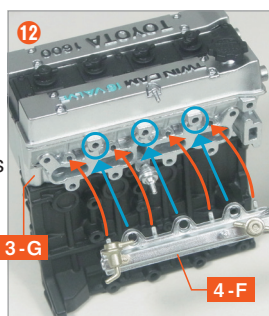
Align the protrusions on the back of the **Cylinder Block (R) 5-A** with the screw holes of **5-F** as shown, and fit it into place.



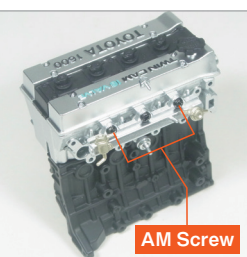
Hold **5-A** and **5-F** in place so they don't shift, align the screw holes, and secure them with two **AM screws**.

step 3 Attach the Detail Parts to the Right Cylinder Block

Align the upper screw holes of **Fuel Injectors 4-F** with the holes in **Cylinder Head 3-G** (red arrows), and insert the protrusions into the holes (blue arrows).



Secure the three screw holes of **4-F** with **AM screws**. As the side screws are hard to tighten, first fix the centre one, then remove **4-G** and **4-H** once, tighten the side screws, and reattach **4-G** and **4-H**.



14 Intake Manifold from Issue 4

3-G

3-H

4-K Align the five pegs (circled) on the Gasket 4-K assembled in Issue 4 with the holes on 3-G.

15

4-K

3-G

16

AM Screw

Align the four lower holes of 4-K with the screw holes on 3-G, and secure them with four **AM screws**.

17

5-G

5-J

Align the pin on the back of 5-J with the hole on 5-G as shown, and insert 5-J into 5-G.

18

5-G

5-I

Align 5-I with its mounting position on 5-G.

19

5-G

5-I

20

AM Screw

Secure it with an **AM screw**.

21

5-G

5-H

Align 5-H with the screw hole on 5-G.

22

AM Screw

Secure it with an **AM screw**.

Step complete

Complete

The assembly for Issue 5 is complete. The Strut, the main component of the left suspension, has been attached to the Front Member, and more detail has been added to the Engine. In Issue 6, we will install the Disc Brake onto the left Front Member and add further detail parts to the Engine.

