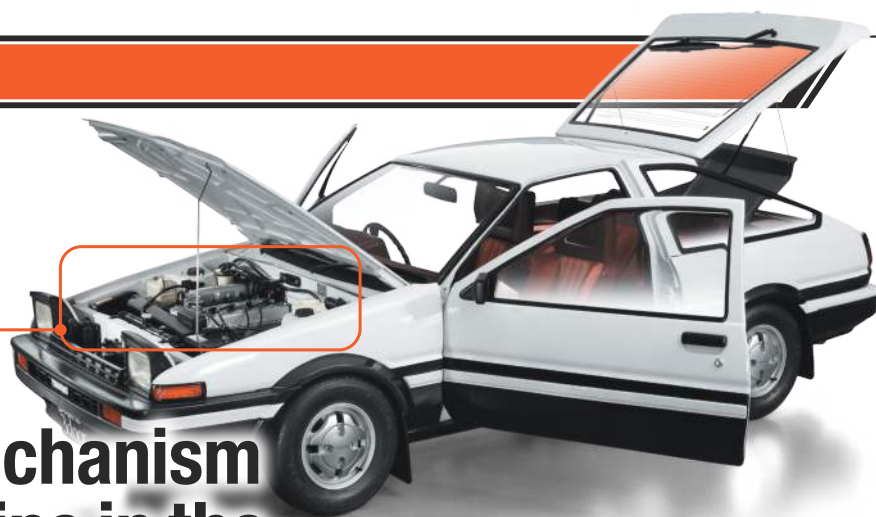


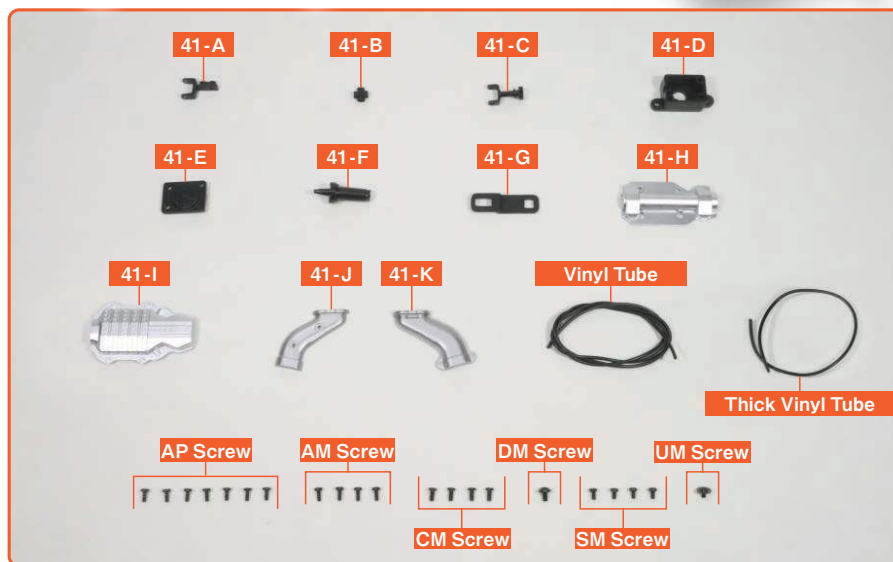
Issue 41

In this issue, we will assemble the steering mechanism and fit it to the chassis. Then, install the 4A-GEU engine assembled so far into the engine bay.



Fit the Steering Mechanism and Install the Engine in the Engine Bay

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



41-A Steering Shaft Yoke

41-B Spider Joint

41-C Steering Gear Yoke

41-D Steering Gear Box

41-E Steering Gear Box Cover

41-F Crown Gear

41-G Steering Rod

41-H Catalytic Converter (1)

41-I Catalytic Converter (2)

41-J Upper Front Exhaust Pipe (1)

41-K Upper Front Exhaust Pipe (2)

Vinyl Tube

Thick Vinyl Tube

AP Screw (1.7×4 mm) ×7+Spare

AM Screw (1.7×4 mm) ×4+Spare

CM Screw (2.0×4 mm) ×4+Spare

DM Screw (2.0×4×5 mm) ×1+Spare

SM Screw (1.7×3 mm) ×4+Spare

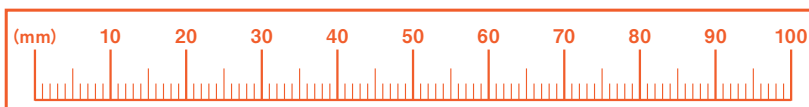
UM Screw (1.7×3×5.5 mm) ×1+Spare

View the follow-along video

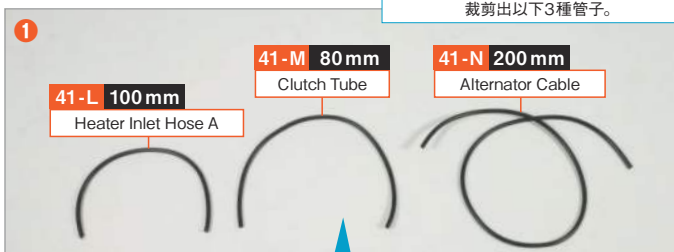


※Due to the model's design, the shapes of some parts may differ from those of the real vehicle.

step 1 Prepare the Tubing

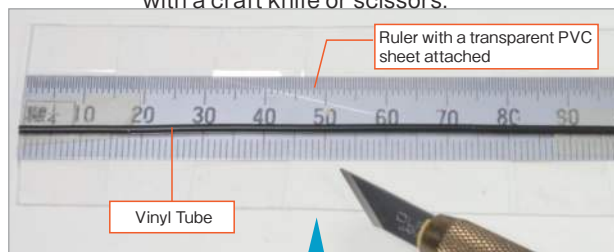


裁剪出以下3種管子。



The tubing has been cut slightly longer than required to make assembly easier. If it proves too long during installation, trim it to the appropriate length.

Cut the tubing from the Vinyl Tube for use in Step 5. Use the ruler on the left, the ruler on the right side of page 3, or make a measuring jig like the one shown below. Measure the required lengths, then cut the tubing neatly with a craft knife or scissors.

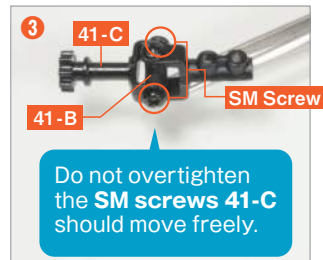


To avoid damaging the ruler, attach a transparent PVC sheet to it, temporarily secure the Vinyl Tube with double-sided tape, and cut it with a craft knife.

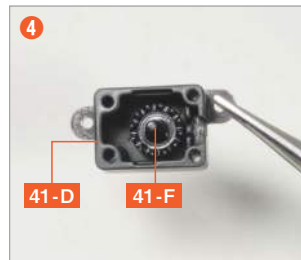
step 2 Install the Steering Mechanism



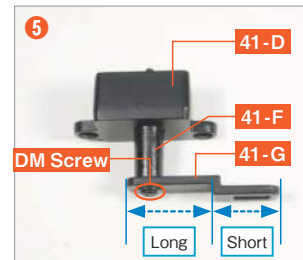
Insert the **41-B Spider Joint** between the U-shaped forks of **41-A**, align the screw holes, and secure the two points with **SM screws**.



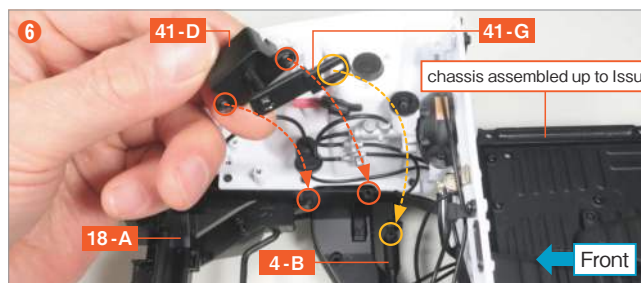
Insert the **41-B** assembled in Step 2 between the U-shaped forks of **41-C**, align the screw holes, and secure the two points with **SM screws**.



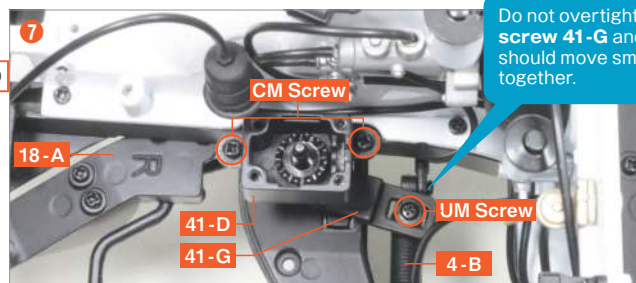
While holding **41-D** and **41-F** in place, align the square hole in **41-G** with the square protrusion on **41-F**, then secure it with a **DM screw**.



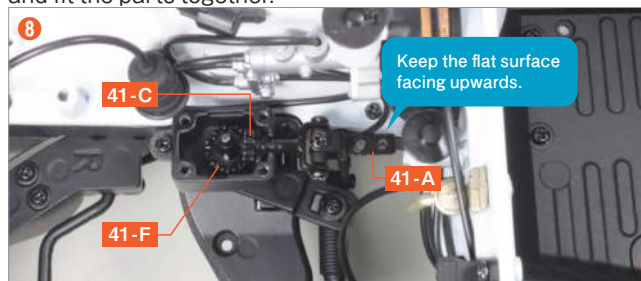
Align the Issue 40 chassis with **41-D** and fit the Front Subframe and Steering Rack into place.



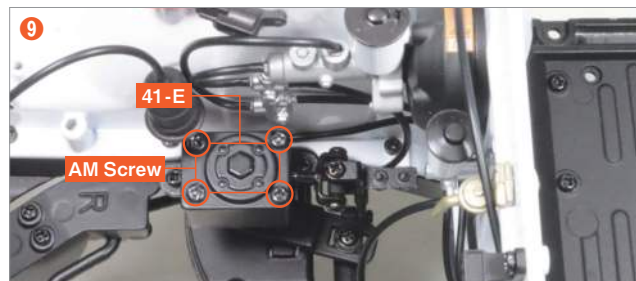
Prepare the chassis assembled up to Issue 40. Align the protrusions on the screw holes of the **18-A Front Subframe** with the recesses on **41-D**. Then align the protrusions on the screw holes of **4-B** with the elongated square hole in **41-G**, and fit the parts together.



Secure **41-D** at two points with **CM screws**, then secure **41-G** with a **UM screw**.



With the front wheels aligned straight ahead and held in position, mesh the gears on **41-C** and **41-F** and fit the parts together. At this time, ensure that the flat face of the two screw-hole faces on **41-A** is facing upwards.

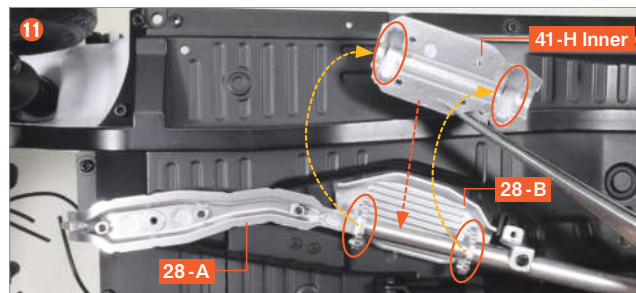


Keeping the front wheels from moving, align the screw holes on **41-D** and the protrusions on **41-F** with the holes and recesses in the **41-E Steering Gear Box Cover**, then secure the four points with **AM screws**.

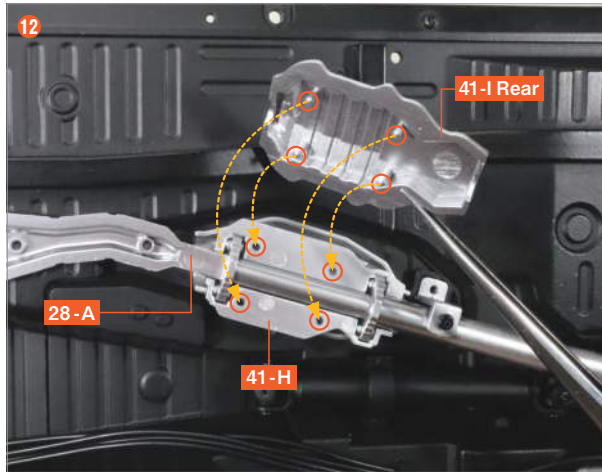
step 3 Install the Catalytic Converter



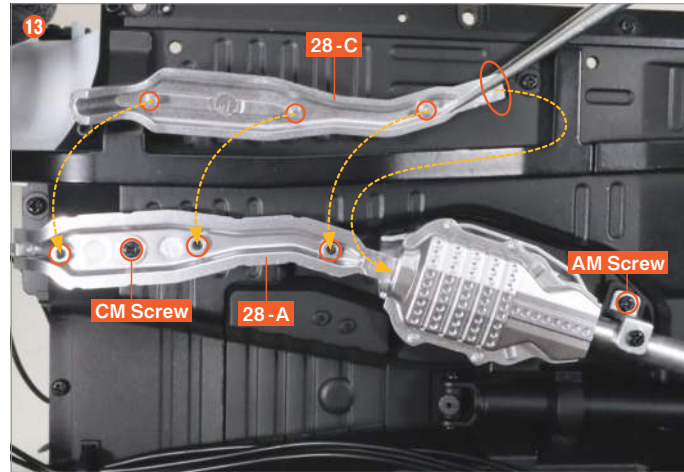
Turn the chassis over, remove the **28-C Front Exhaust Pipe (2)**, then remove the **AM screw** and **CM screw**. Keep the removed screws, as they will be used again later.



Insert the **41-H Catalytic Converter (1)** between the **28-A Front Exhaust Pipe (1)** and the **28-B Front Insulator**, then fit the inner recess of **41-H** onto the protrusion on **28-A**.

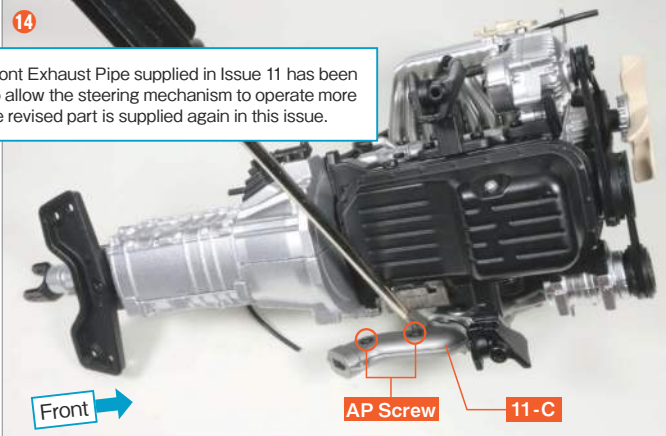


Fit the **41-I Catalytic Converter (2)** onto **41-H**, enclosing **28-A** between the two halves.



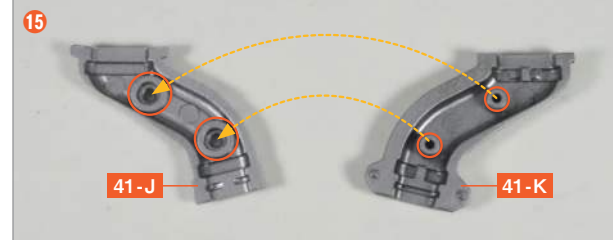
Reinstall the **AM screw** and **CM screw** removed in Step 10, then align the three protrusions on the reverse side of **28-C** with the three holes in **28-A** and press them into place.

step 4 Replace the Upper Front Exhaust Pipe

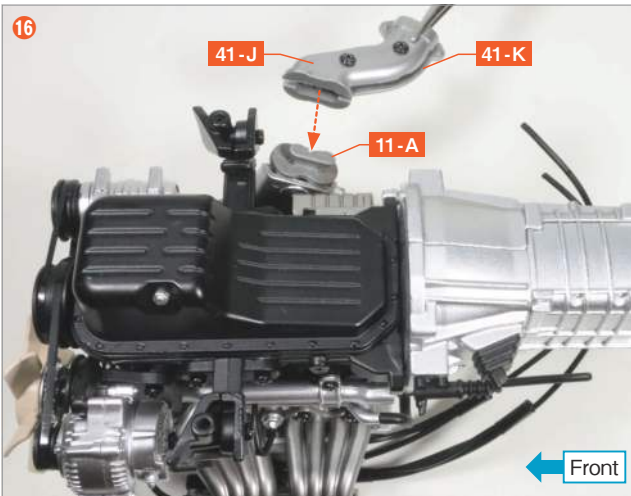


The Upper Front Exhaust Pipe supplied in Issue 11 has been redesigned to allow the steering mechanism to operate more smoothly. The revised part is supplied again in this issue.

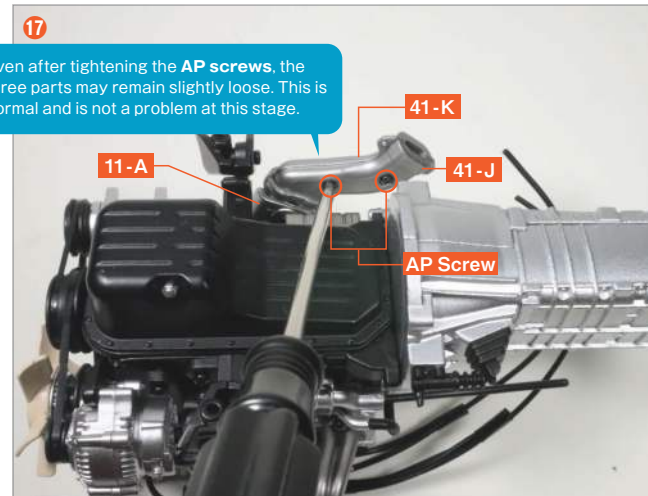
Turn the engine over and remove the two **AP screws** securing the **11-C Upper Front Exhaust Pipe (1)**. If the screws are difficult to remove, use a No. 0 Phillips screwdriver. Keep the removed screws, as they will be used again later.



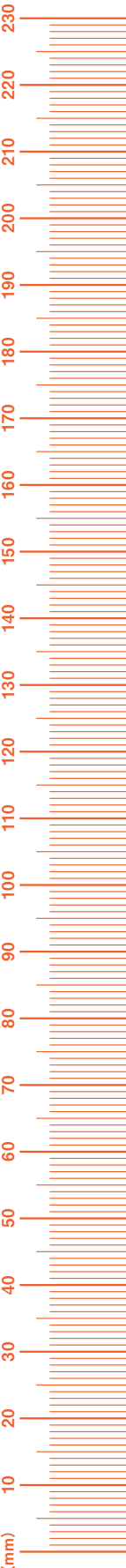
Align the protrusions on the screw holes of the **41-K Upper Front Exhaust Pipe (2)** with the recesses in the **41-J Upper Front Exhaust Pipe (1)**. Reinstall the **AP screws** removed in Step 14, then loosen them slightly.



Insert the protrusion on the **11-A Exhaust Manifold** into the gap between **41-J** and **41-K**, then fit it into the grooves on the inside of **41-J** and **41-K**.



Fit **11-A**, **41-J** and **41-K** together so there are no gaps, then use a No. 0 Phillips screwdriver to secure the two points with **AP screws**.

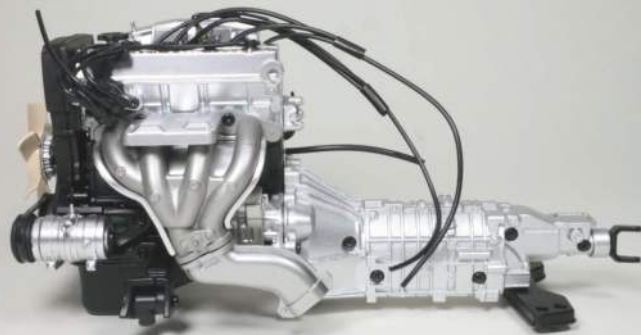




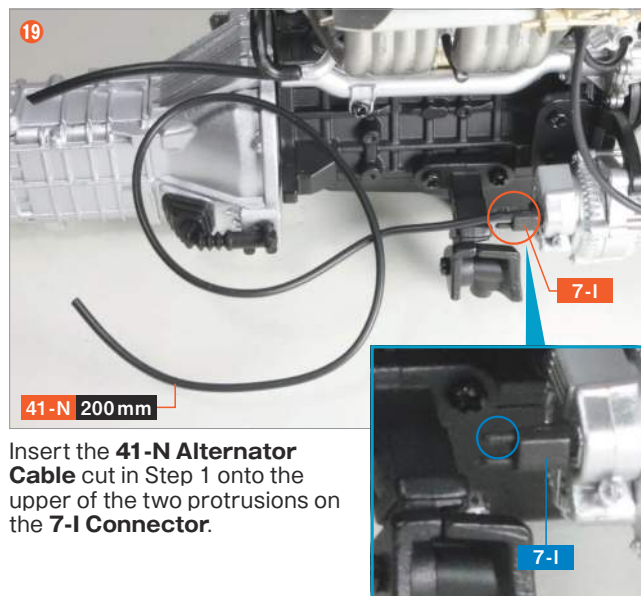
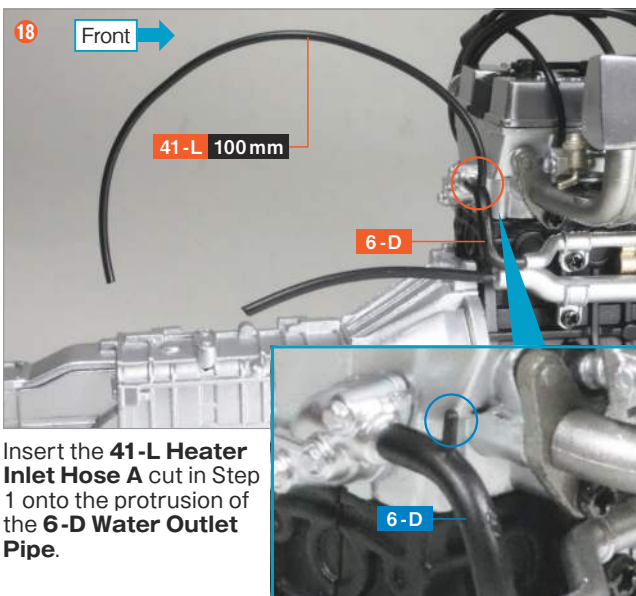
When reinstalling a previously used screw

After inserting the screw into the screw hole, place the screwdriver on the screw and gently turn it counter-clockwise (to the left) about one full turn—the opposite direction to tightening. As you do this, pay attention to the feel at your fingertips. You should feel a slight “click” as the threads align. Once you feel this click, begin tightening the screw by turning it clockwise. This allows the screw to engage the existing threads smoothly without requiring excessive force. If the screw does not turn smoothly when you begin tightening, turn it counter-clockwise again and look for the point where it clicks into place. Do not force the screw if it feels tight from the start, as this can damage the threads in the screw hole, preventing the screw from tightening properly.

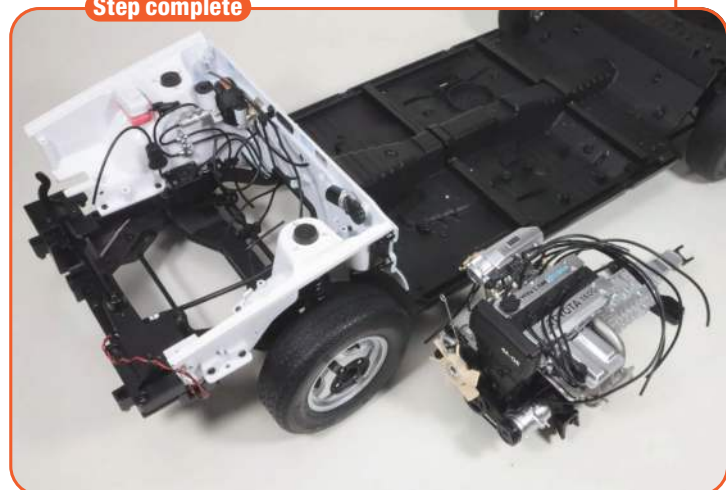
Step complete



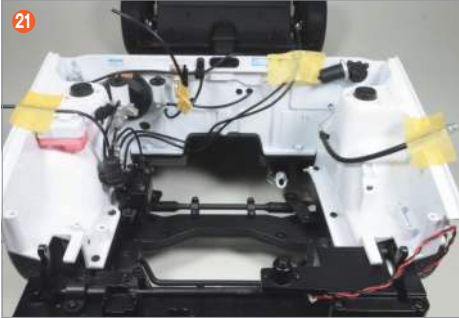
step 5 Connect the Engine and Engine Bay Tubing



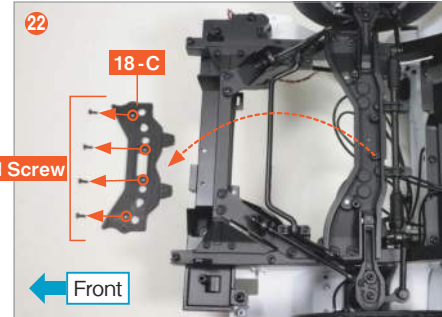
Step complete



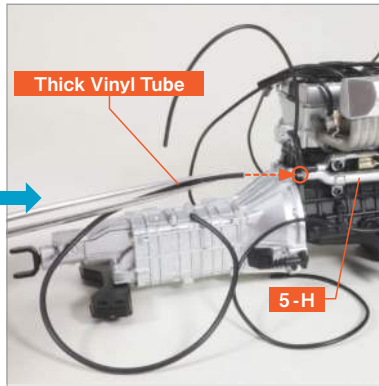
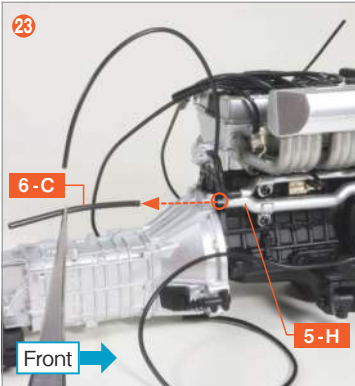
step 6 Install the Engine



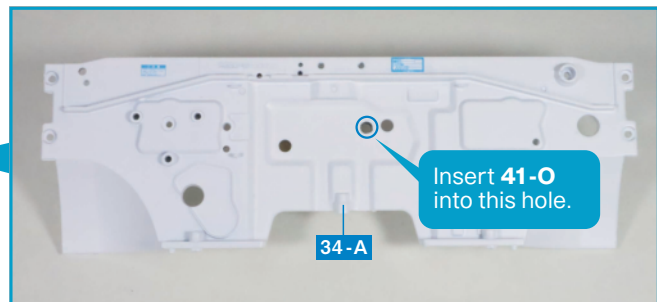
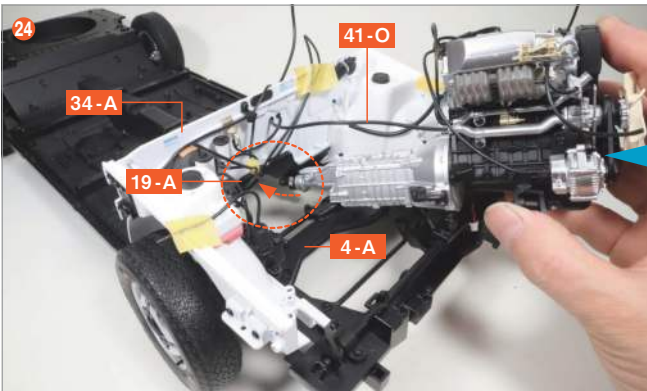
Before installing the engine onto the chassis, temporarily secure the hoses and cables with masking tape or similar. This will make the installation easier. Take care not to dislodge any tubing or wiring that has already been connected.



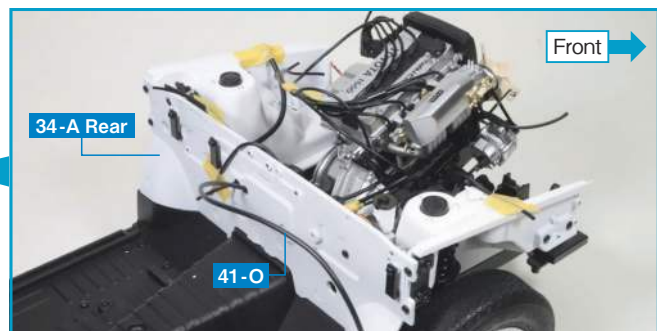
Turn the chassis over and remove the four **AM screws** to detach the **18-C Lower Front Member**. Keep the removed screws, as they will be used again later.



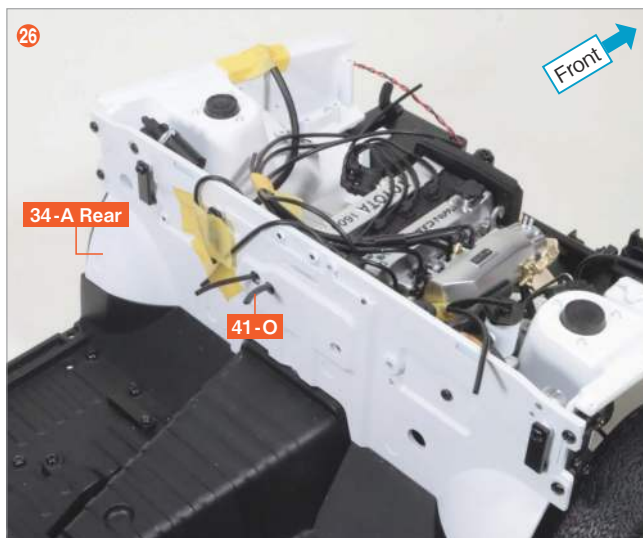
To make the engine installation easier, remove the **6-C Heater Outlet Hose** fitted to the **5-H Water Bypass Pipe (1)** in Issue 6 and replace it with the Thick Vinyl Tube. Do not cut the Thick Vinyl Tube—install it at its full length. This will become the **41-O Heater Outlet Hose**.



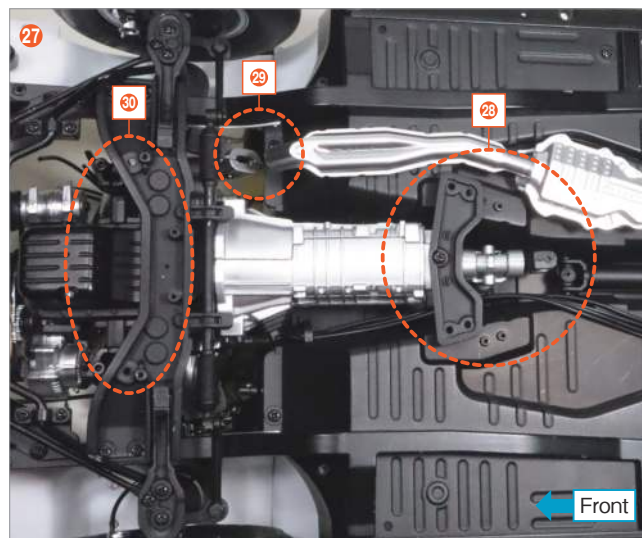
Insert the **41-O** installed in Step 25 into the hole in the **34-A Bulkhead**, then insert the engine from the rear (transmission) side into the space between the **4-A Front Member** and the **19-A Floor Pan**.



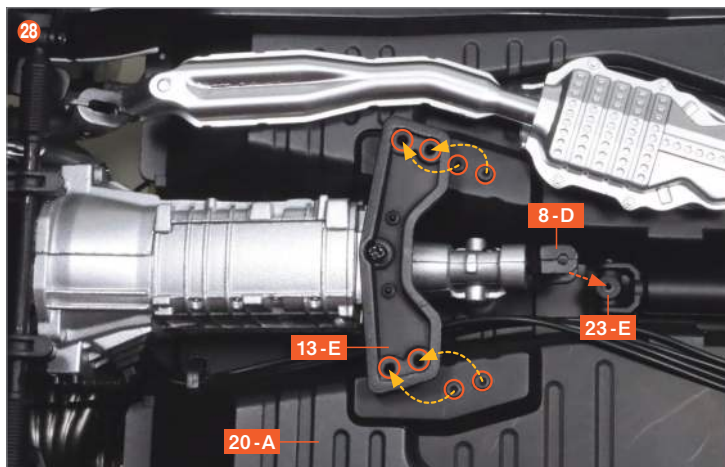
From the reverse side of **34-A**, gently pull on **41-O** while tilting the engine diagonally, and guide it into the space between **4-A** and **19-A**.



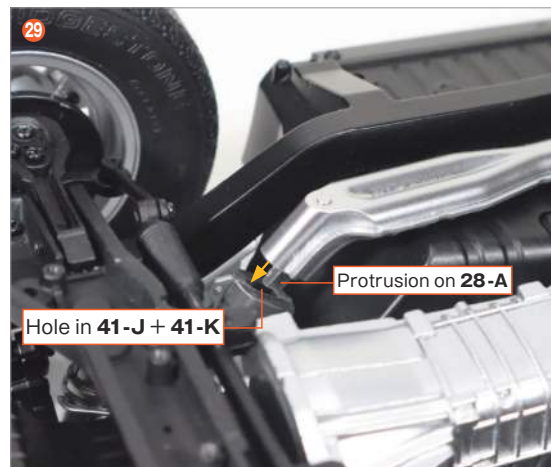
Trim **41-O** where it emerges from the reverse side of **34-A**, leaving an appropriate length.



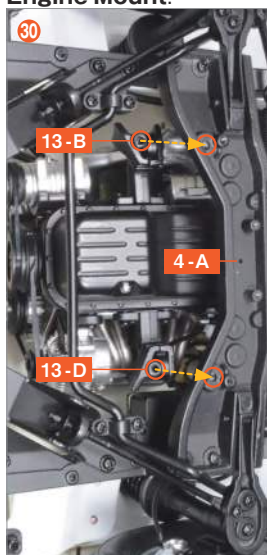
While holding the engine in place to prevent it from coming loose, turn the chassis over and assemble the parts in the order shown in the photograph.



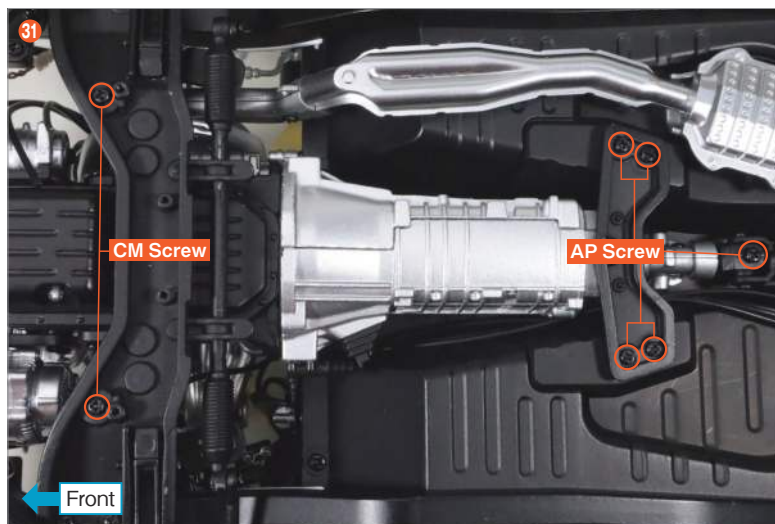
Align the orientation of the **8-D Sleeve Yoke** with the **23-E Spider Joint**, then insert **23-E** between the U- shaped forks of **8-D**. Next, align the four protrusions on the screw holes of the **20-A Centre Cover** with the four recesses on the front side of the **13-E Rear Engine Mount**.



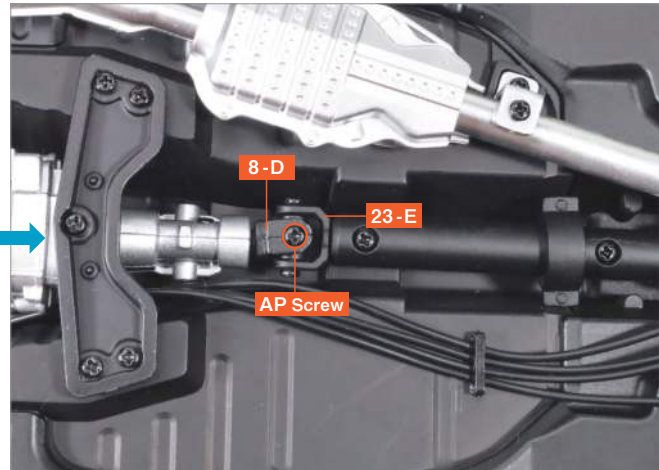
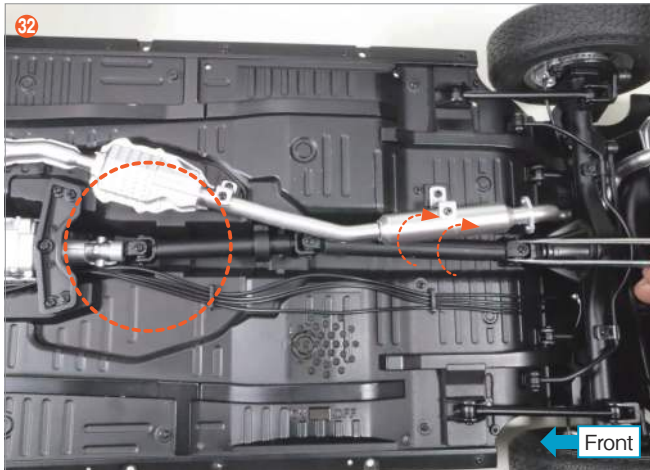
Insert the square protrusion on **28-A** into the square hole in the Upper Front Exhaust Pipe (**41-J + 41-K**).



Align the protrusions on the screw holes of the **13-B Left Front Engine Mount (2)** and the **13-D Right Front Engine Mount (2)** with the two screw holes in **4-A**.



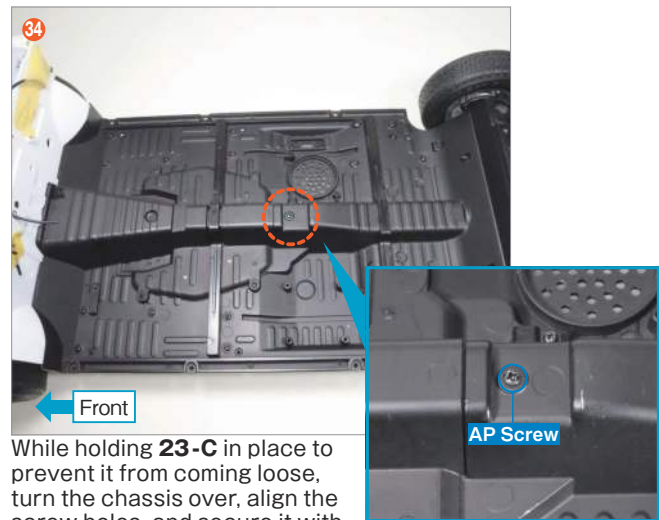
Secure each part as shown.



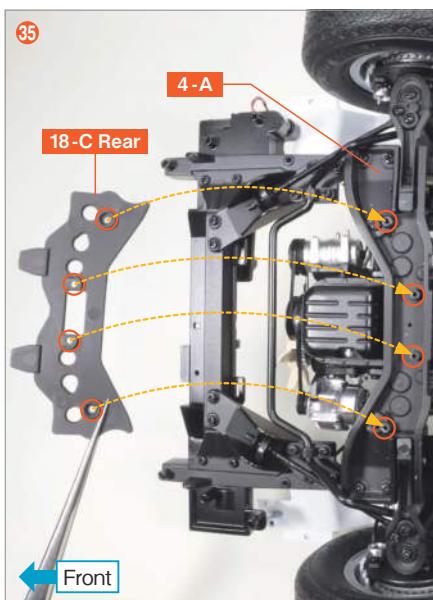
Using tweezers, grasp the Propeller Shaft, rotate it 180° to turn it over, align the screw holes in **8-D** and **23-E**, and secure them with an **AP screw**.



Fit the protrusions on the screw holes of the **23-C Centre Support Bearing** into the recesses in **20-A**.



While holding **23-C** in place to prevent it from coming loose, turn the chassis over, align the screw holes, and secure it with an **AP screw**.



Turn the chassis over once again, align the recesses on the reverse side of **18-C** with the protrusions on the screw holes of **4-A**, then secure the four points with the **AM screws** removed in Step **22**.

Complete

The assembly for Issue 41 is now complete. The engine has now been installed in the engine bay. This issue contained more assembly steps than any previous issue, and we hope you enjoyed the most involved stage of the build so far. From Issue 42 onwards, you will begin installing the wiring for the model's operating features.

