

Issue 13

This issue covers installing the engine mount and connecting the plug cables from the distributor cap. Through this wiring process, you'll gain a clearer understanding of the firing order of the four cylinders in the 4A-GEU engine installed in the Sprinter Trueno.



Attach the Engine Mount and Plug Cables

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



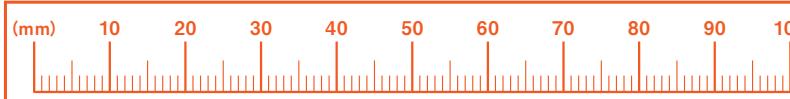
- 13-A Left Front Engine Mount (1)
- 13-B Left Front Engine Mount (2)
- 13-C Right Front Engine Mount (1)
- 13-D Right Front Engine Mount (2)
- 13-E Rear Engine Mount
- 13-F Cable Connectors×5+2 spares (on runner)
- 13-G Oil Level Gauge
- AM Screw (1.7×4 mm) ×6+Spare
- AGM Screw (2.0×3 mm) ×1+Spare
- Vinyl Tube
- Toothpick×2

View the follow-along video

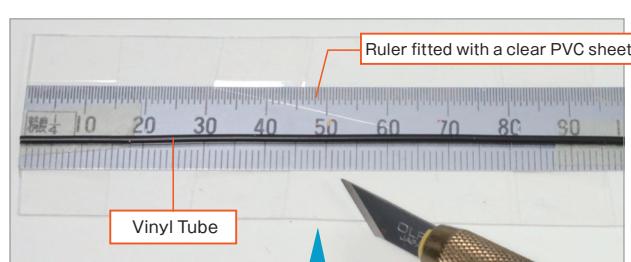
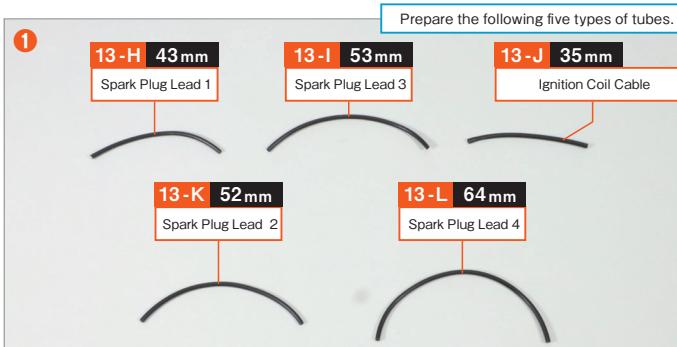


※Due to the model's design, the shapes of some parts may differ from those of the real vehicle.

Step 1 Prepare the Wiring

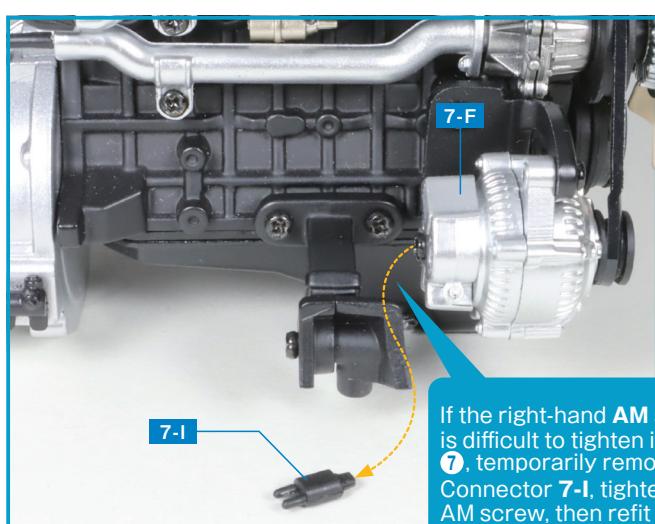
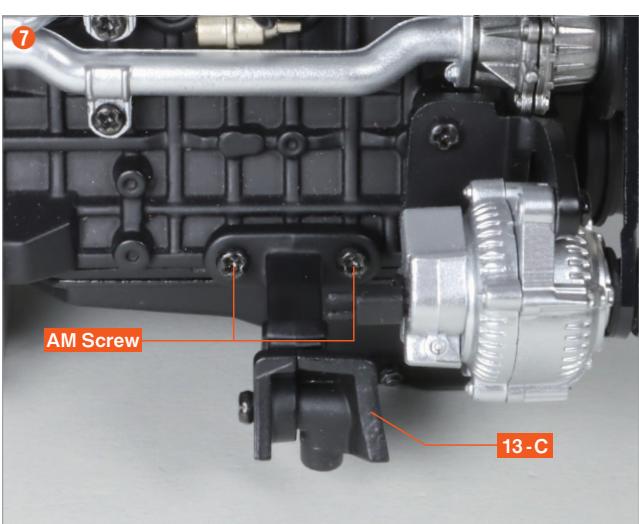
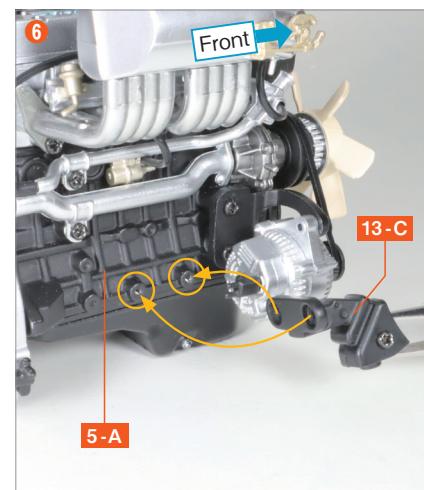
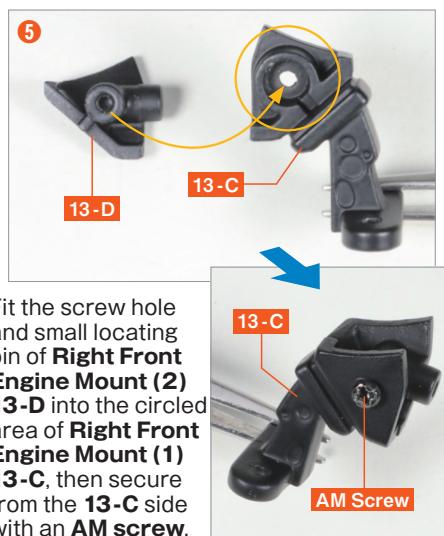
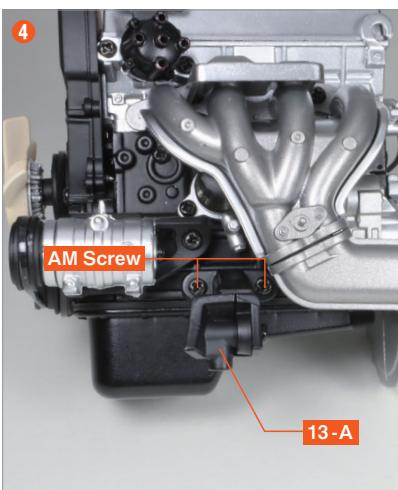
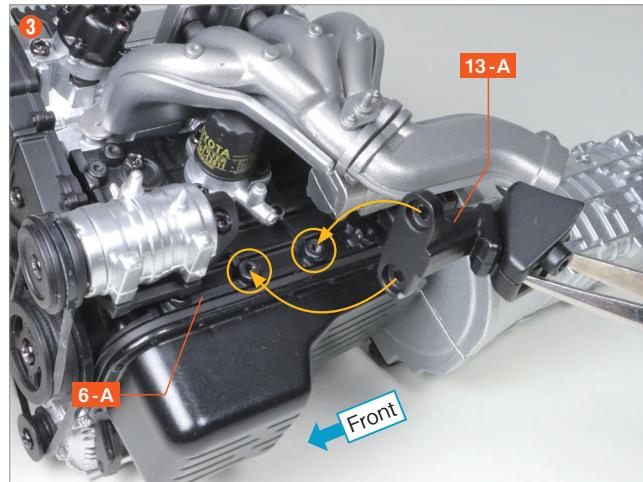


Cut the wires for step 3 from the vinyl tube. Use the ruler shown on the left, or make a tool as shown below, and cut each piece to length with a craft knife or scissors.



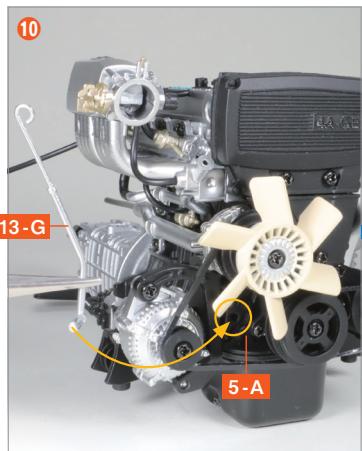
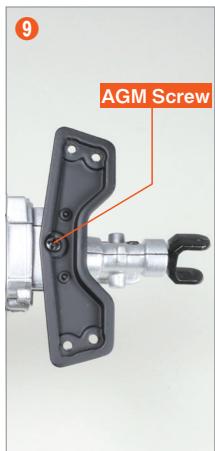
To prevent scratches, attach a clear PVC sheet to a ruler, temporarily fix the vinyl tube with double-sided tape, and cut it with a craft knife.

Step 2 Attach the Engine Mounts and the Oil Level Gauge

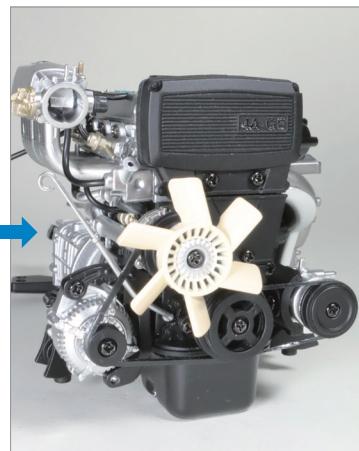




Align the recess of the **Rear Engine Mount 13-E** with the protrusion on the lower screw of the **Transmission Case screw (R) 7-A**, and fit it into place. Secure with an **AGM** hole of the **Transmission Case screw**.



Match the shape of the hole on the front of the **Engine 5-A** with the shape of the projection at the tip of the **Oil Level Gauge 13-G**, then fit it into place.



Step complete



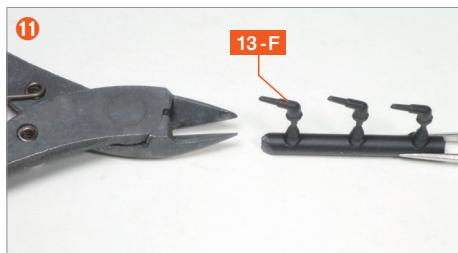
View of the front from below



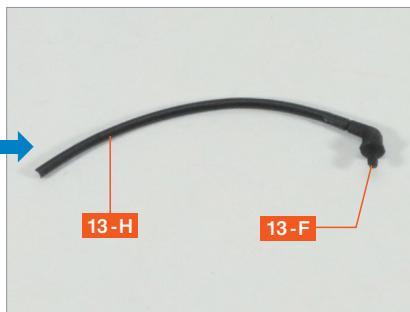
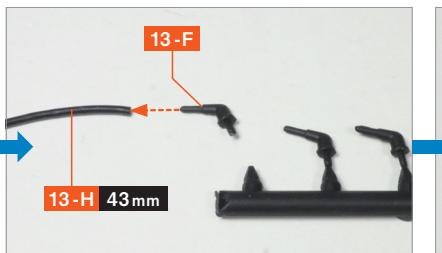
View from below



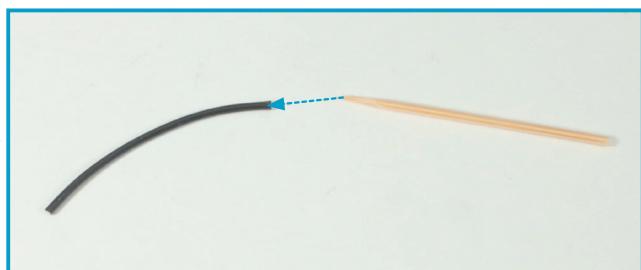
Step 3 Fit the Plug Cables and Ignition Coil Cables

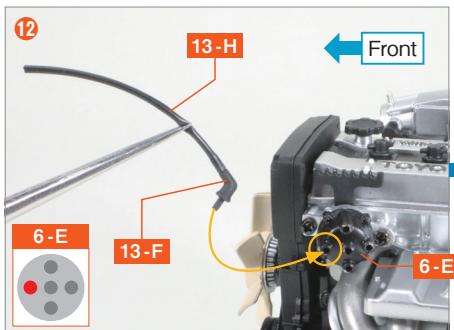


Prepare a pair of model nippers and cut one **Cable Connector 13-F** from the runner. Insert the longer peg into one end of **Plug Cable 1 13-H**.

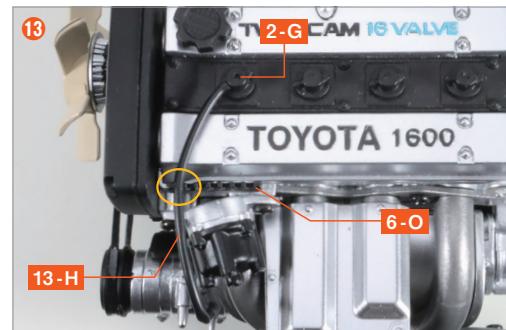
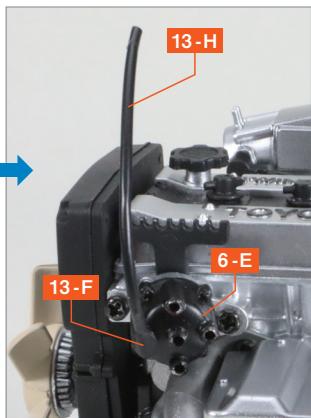


If part **13-F** is difficult to insert, insert a toothpick into the vinyl tube to gently widen the opening. Take care not to split the vinyl tube with the toothpick.

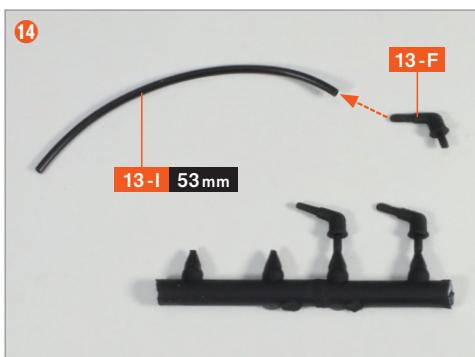




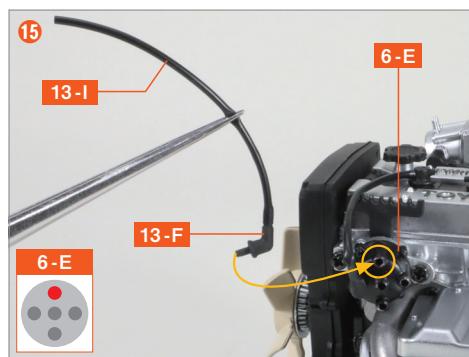
Insert the protrusion of connector **13-F** from the plug cable assembled in step **11** into the hole on the left side of the **Distributor Cap 6-E**.



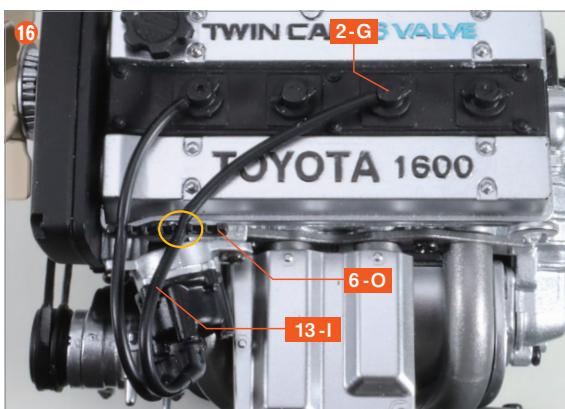
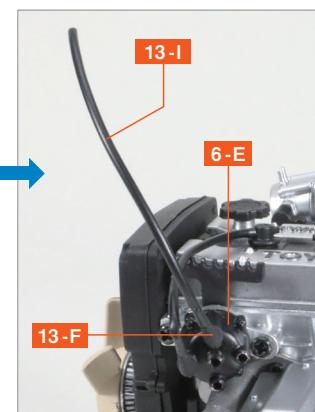
From the front, align the cut end of **13-H** with the projection on the first **Plug Cable Head (2-G)** and insert it. Then, place **13-H** into the left-most recessed circle on the **Plug Cord Clamp (6-O)**.



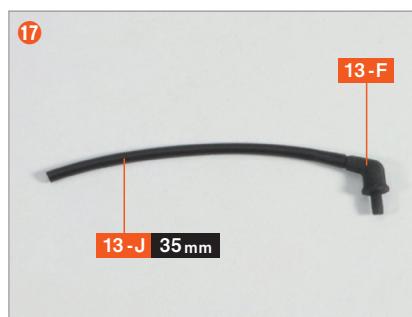
As in step **11**, cut one **Cable Connector 13-F** from the runner, then insert the longer peg into one cut end of **Plug Cable 3 13-I**.



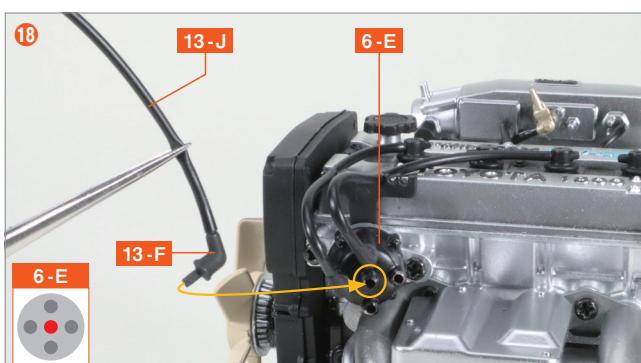
Insert the projection of part **13-F** from the plug cable assembled in step **14** into the upper hole of **6-E**.



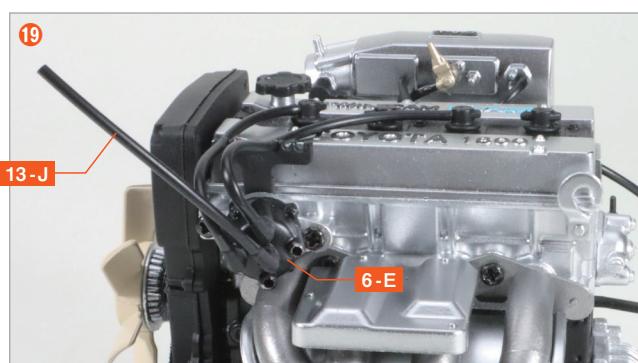
Align one end of **13-I** with the projection on the third **2-G** from the front, insert it, and secure **13-I** in the circled recess of **6-O**.



Cut one **13-F** from the runner as in step **11**, and insert the longer projection into one cut end of the **Ignition Coil Cable 13-J**.



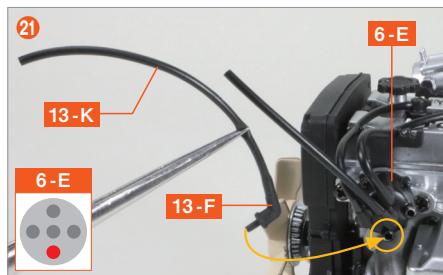
Insert the **13-F** projection of the Plug Cable assembled in step **17** into the centre hole of part **6-E**.



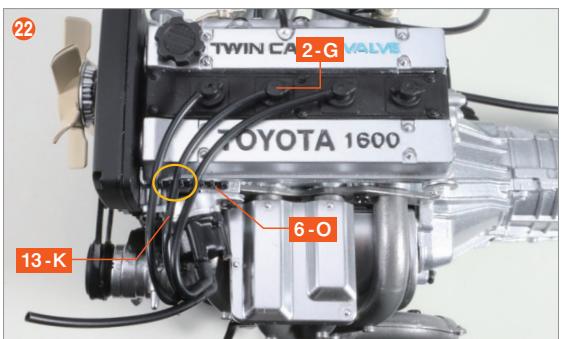
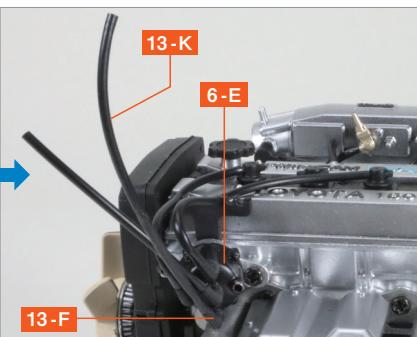
The remaining end of **13-J** will be connected in a later issue, so leave it as is for now.



As in ⑪, detach one **13-F** from the runner and insert the longer projection into one cut end of **Spark Plug Lead 2, 13-K**.



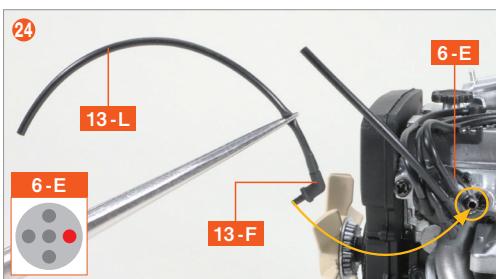
Insert the projection of **13-F** on the plug cable assembled in step ⑩ into the lower hole of **6-E**.



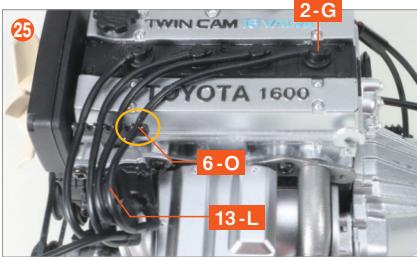
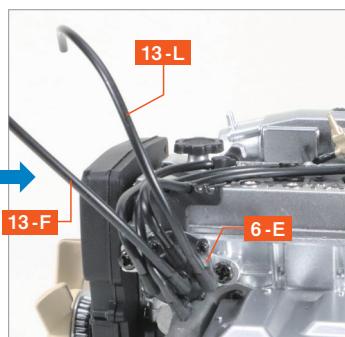
Align one end of **13-K** with the projection of the second **2-G** from the front, insert it, and secure **13-K** in the circled recess of **6-O**.



As with ⑪, cut one **13-F** from the runner and insert the longer projection into one end of **Spark Plug Lead 4, 13-L**.



Insert the projection of the **13-F** from the plug cable assembled in step ⑩ into the right-hand hole of **6-E**.



Align one end of **13-L** with the fourth **2-G** projection from the front and insert it, then secure **13-L** in the circled recess of **6-O**.

Complete

The assembly for Issue 13 is complete. The engine mounts and spark plug leads have been fitted. Observing the completed distributor cap wiring, you can see that the rotor inside the distributor rotates clockwise, which explains why the firing order of the 4A-GEU engine's cylinders is 1-3-4-2. From Issue 14, we will begin assembling the front suspension.

