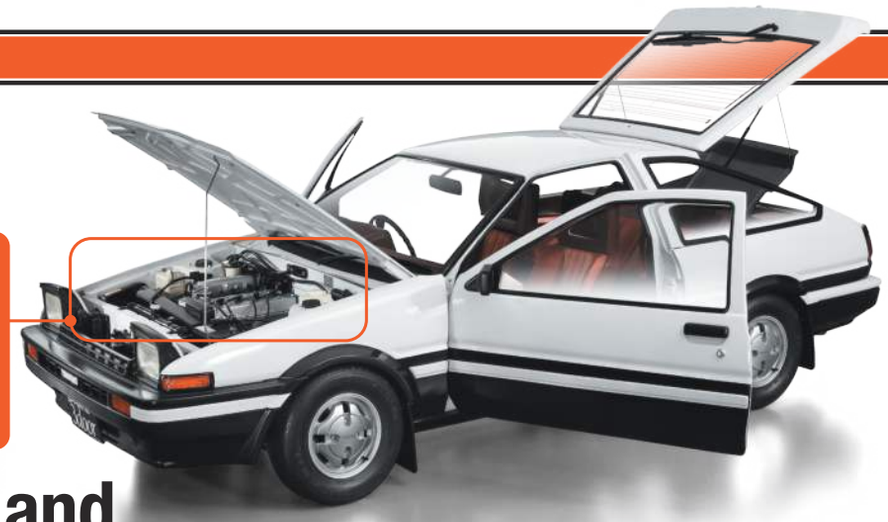
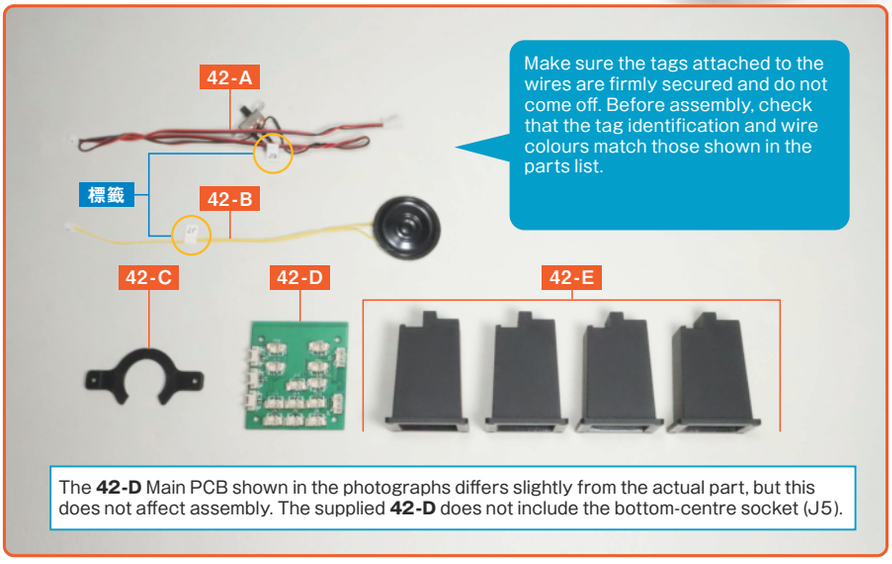
Issue 42

In this issue, we will add more tubing and wiring to the engine bay of the chassis assembled in Issue 41. You will also begin installing the wiring for the model's operating features. As these wires will carry electrical current, it is important to understand the correct method of connecting the connectors.



Engine Bay Wiring and Operating-Feature Wiring (1)

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



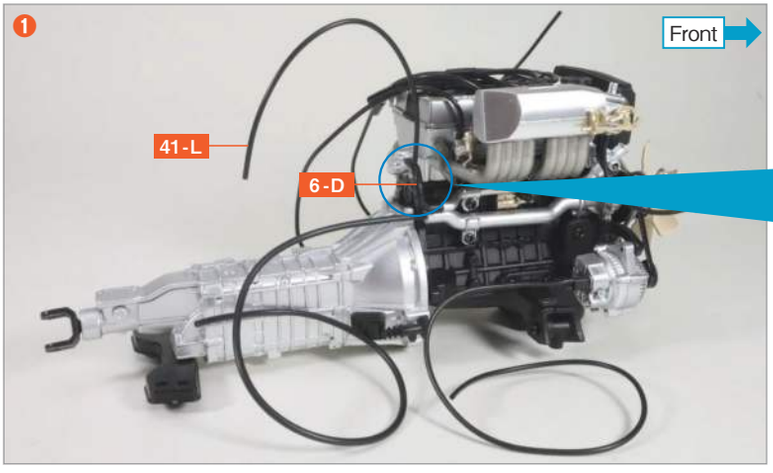
The **42-D** Main PCB shown in the photographs differs slightly from the actual part, but this does not affect assembly. The supplied **42-D** does not include the bottom-centre socket (J5).

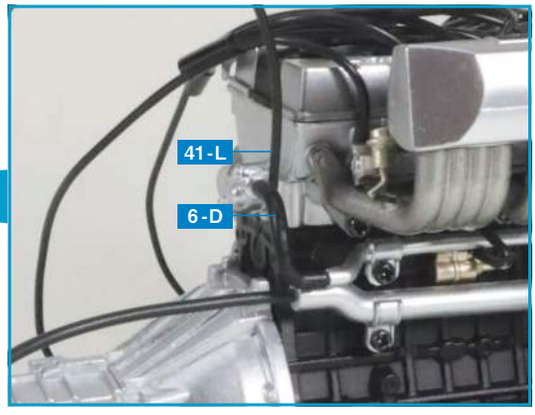
- **42-A** Power Switch (Tag: J9, Wire Colour: Black/Red)
- **42-B** Speaker (Tag: J7, Wire Colour: Yellow/Yellow)
- **42-C** Speaker Holder
- **42-D** Main PCB (Printed Circuit Board)
- **42-E** Chassis Support×4

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

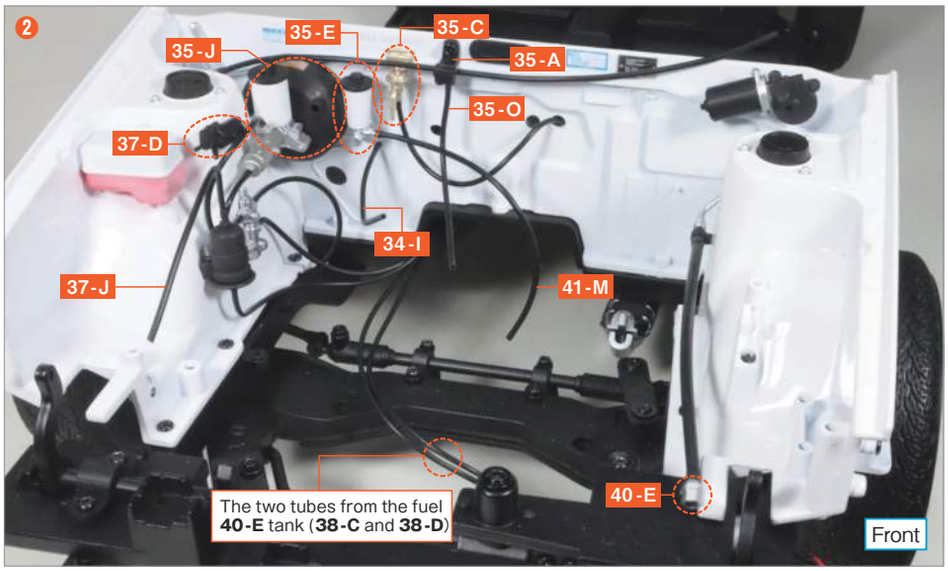
View the follow-along video

step 1 Connect the Engine Bay Tubing

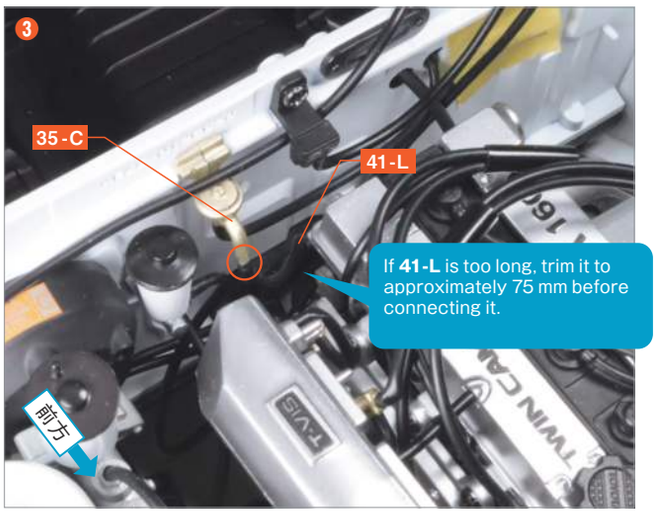




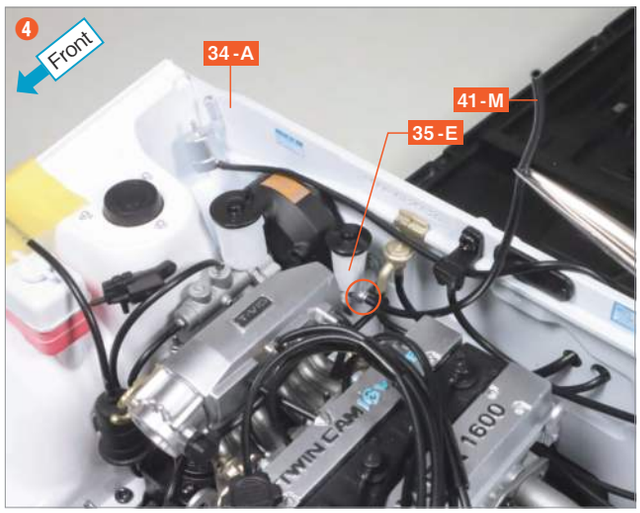
First, check the **41-L Heater Inlet Hose A** that was connected to the **6-D Water Outlet Pipe** in Issue 41.



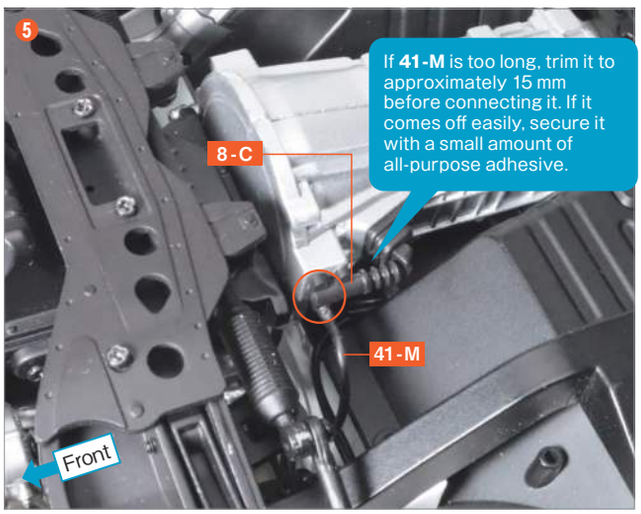
Next, check the tubing and wiring installed on the chassis.



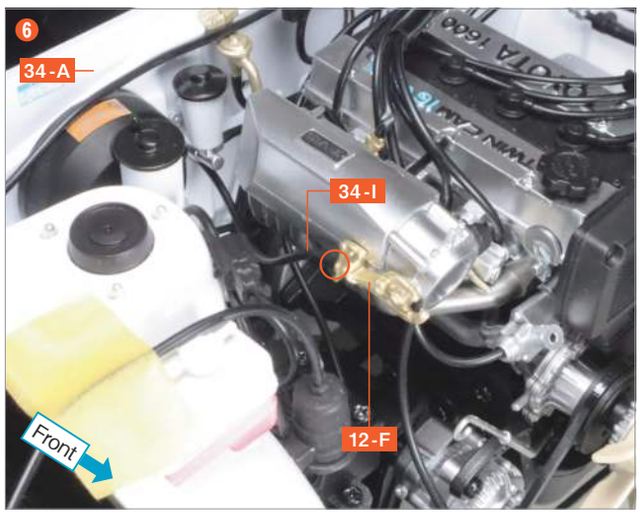
If **41-L** is too long, trim it to approximately 75 mm before connecting it.



Route the **41-M Clutch Tube**, fitted to the **35-E Clutch Master Cylinder** in Issue 41, between the engine and the **34-A Bulkhead** so that it exits on the underside of the chassis.



Insert the end of **41-M**, routed to the underside of the chassis in Step❹, onto the protrusion of the **8-C Clutch Release Cylinder** on the righthand side of the engine's transmission case.

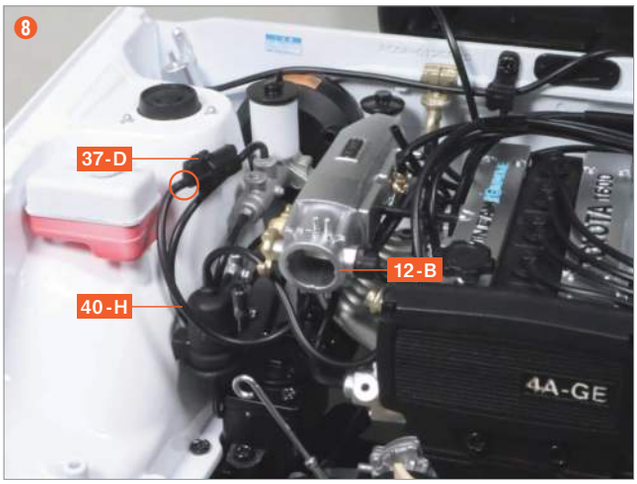


Insert the **34-I Accelerator Cable**, fitted to **34-A** in Issue 34, onto the protrusion of the **12-F Accelerator Lever**.

7

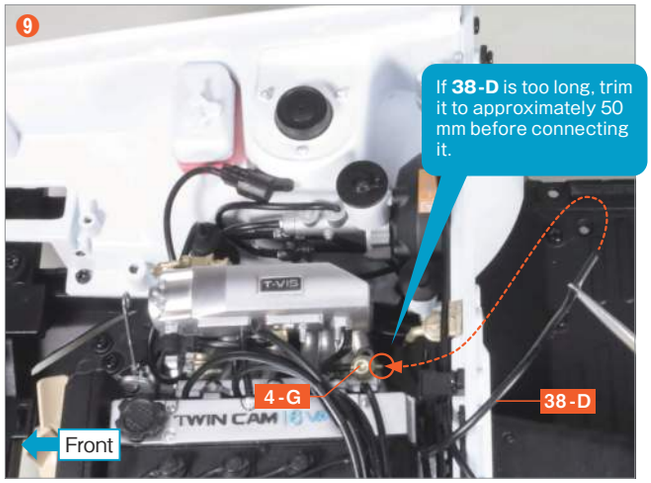
Insert the **37-J Fuel Hose**, fitted to the **37-E Fuel Filter** in Issue 37, onto the protrusion of the **4-H Pulsation Damper**.

8



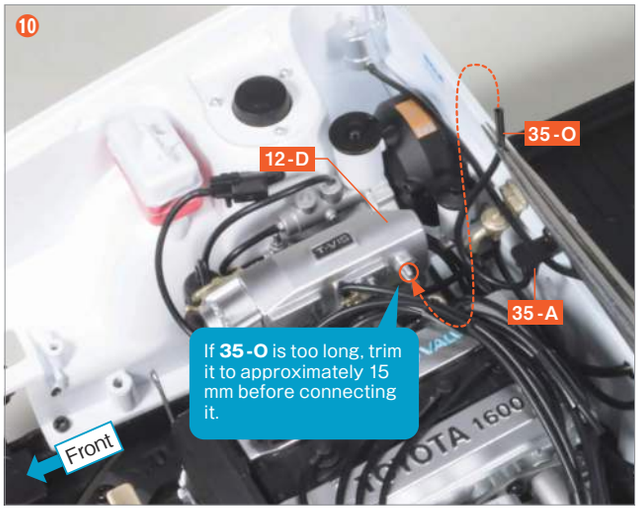
Insert the **40-H Idle-up Device Vacuum Hose No.2**, fitted to the **12-B Throttle Body** in Issue 40, onto the upper protrusion of the **37-D Idle-up Device Magnet Valve**.

9



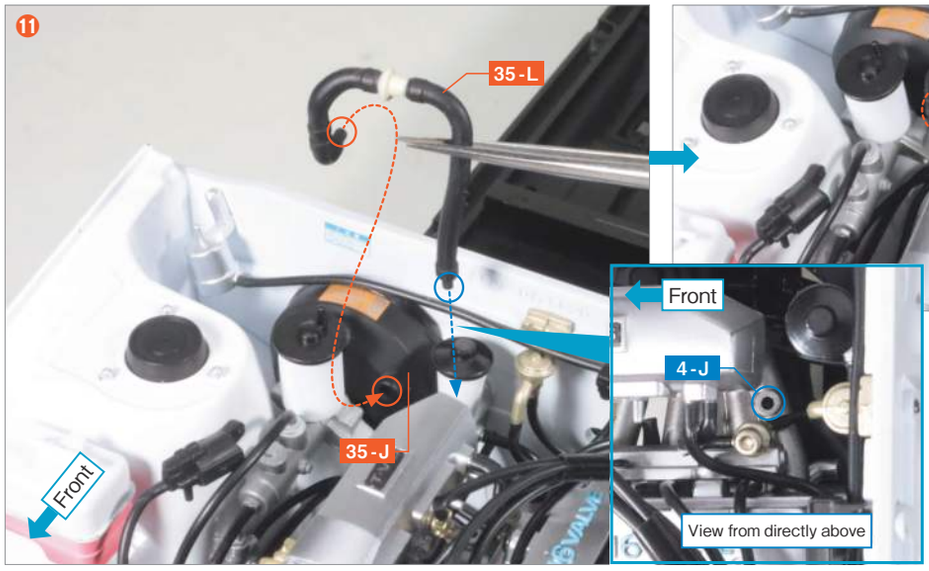
Of the two tubes routed from the fuel tank in Issue 38, use either one as the **38-D Fuel Return Tube** and connect it to the protrusion of the **4-G Pressure Regulator**.

10

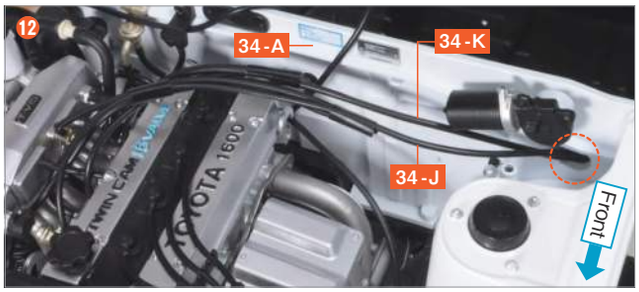


Insert the **35-O Vacuum Sensor Hose**, connected to the **35-A Vacuum Sensor** in Issue 35, onto the upper protrusion of the **12- D T-VIS Surge Tank (1)**.

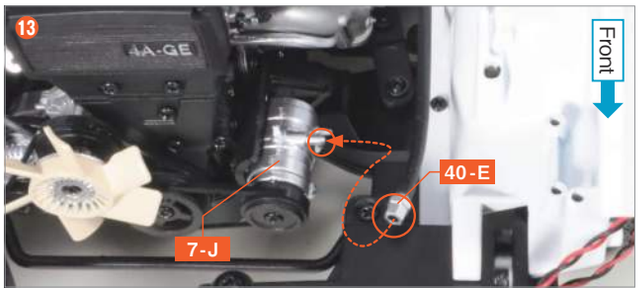
11



Prepare the **35-L Vacuum Check Valve** set aside in Issue 35. Insert the protrusion marked with the red circle into the hole in the **35-J Brake Booster (1)**, then insert the protrusion marked with the blue circle into the hole in the **4-J Intake Manifold (R)**.



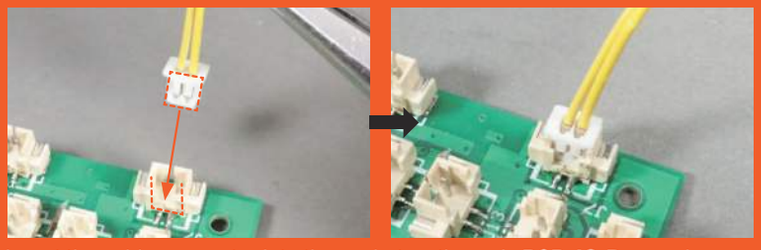
Insert the **34-J Injector Cable 1** and the **34-K Injector Cable 2**, bundled together in Issue 38, into the large hole at the righthand end of **34-A**.



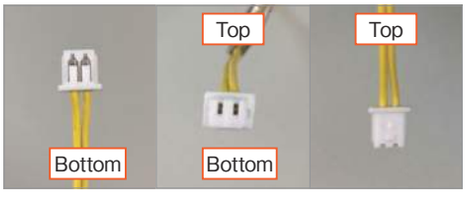
Insert the **40-E Hose Connector**, fitted in Issue 40, onto the uppermost protrusion of the **7-J A/C Compressor (1)**.

step 2 Connect the wiring for the electronic functions to the main PCB

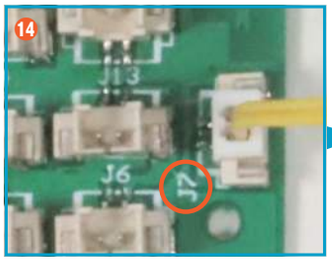
When Connecting the Connectors



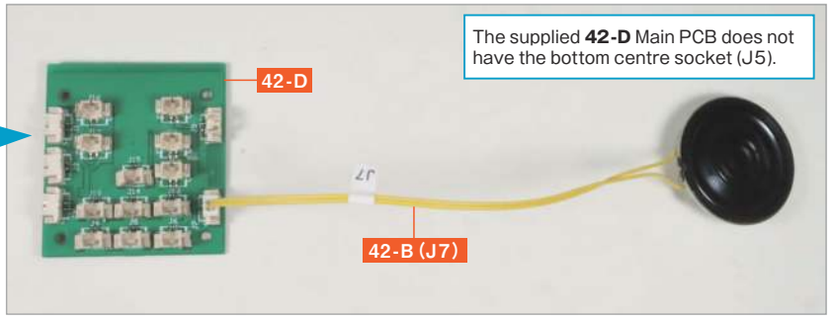
Insert the cable connector into the socket on the main PCB **42-D**, ensuring that the lug on the connector is aligned with the notch in the socket. Handle **42-D** and all cables with care to avoid damaging or disconnecting the wiring.

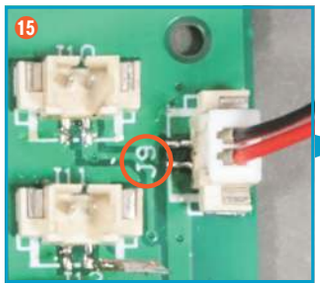


The connector has a correct orientation. Do not attempt to insert it upside down, as this may damage the connector. Make sure it is correctly aligned before inserting it.

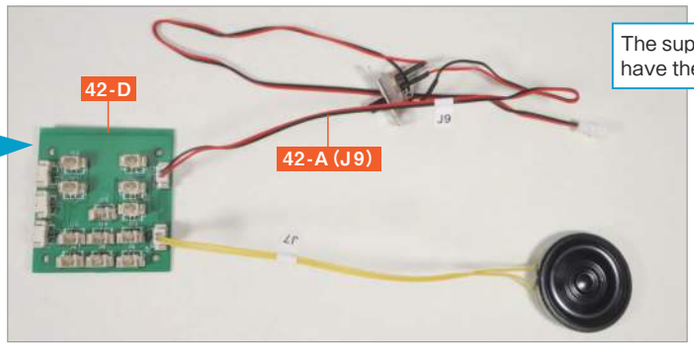


Connect the connector from the speaker **42-B** to socket J7 on **42-D**.



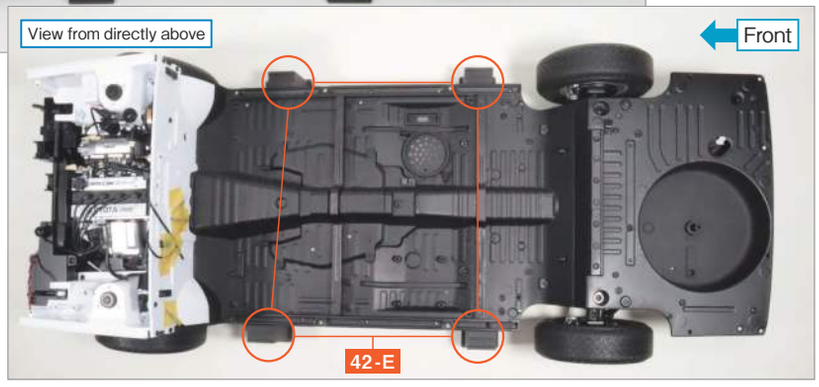


Connect the connector from **42-A Power Switch** to socket J9 on **42-D Main PCB**.



The supplied **42-D Main PCB** does not have the bottom centre socket (J5).

Store the Assembled Chassis



As additional parts are fitted to the chassis, its overall weight increases, placing extra strain on the front and rear suspension. This may cause parts to become deformed or damaged. When storing the chassis, place the four **42-E Chassis Supports** (supplied with this stage) under the four corners of the floor panel, then rest the chassis on them so that all four tyres are raised off the surface.

Complete

The assembly for Issue 42 is complete. The wiring in the engine compartment has progressed considerably. Most of the component names and wiring follow those of the actual vehicle, so taking the time to learn how they function will help you gain a deeper understanding of the car. Store 42-C Speaker Holder safely, as it will be used in a later issue. In Issue 43, you will continue adding wiring for the electronic functions to 42-D Main PCB.