



ASSEMBLY INSTRUCTIONS

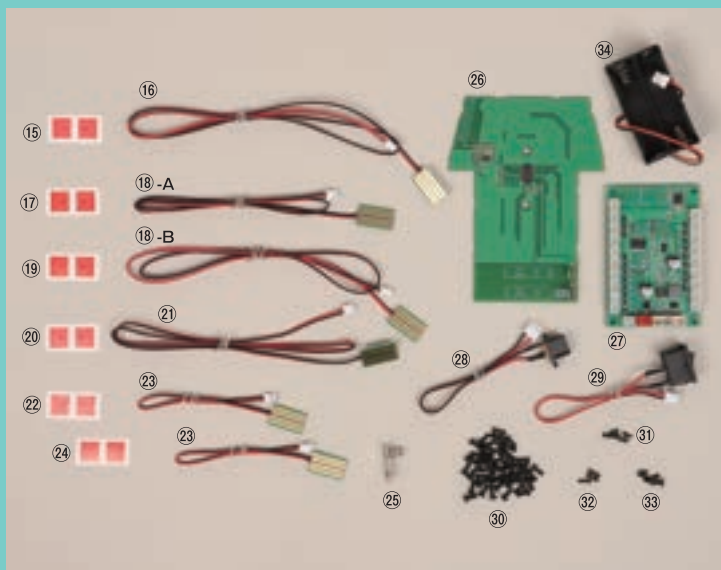
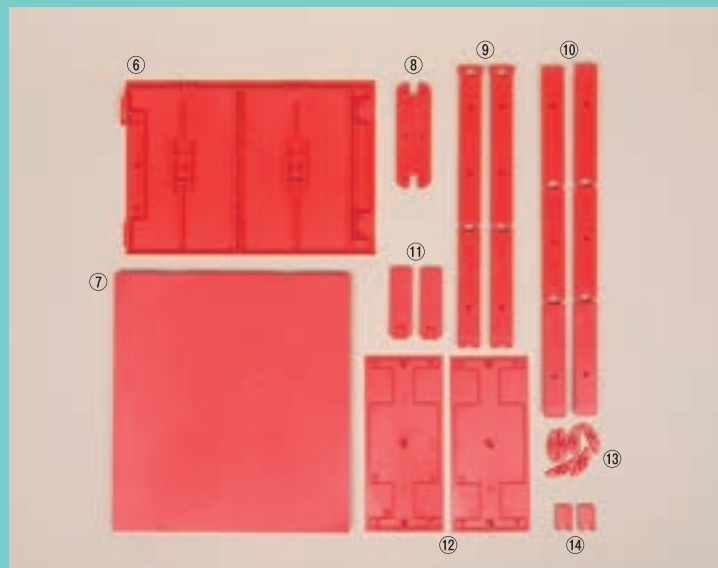
【Doghouse】

Assembling the Remote Control Completing the Doghouse

We will assemble the Remote Control that operates the LEDs of each scene box in the doghouse by assembling the Circuit Board and Buttons to the Remote Control Case. We will also assemble the Roof, Back Wall and other parts to complete the doghouse-shaped collection box.



Parts of issue 100

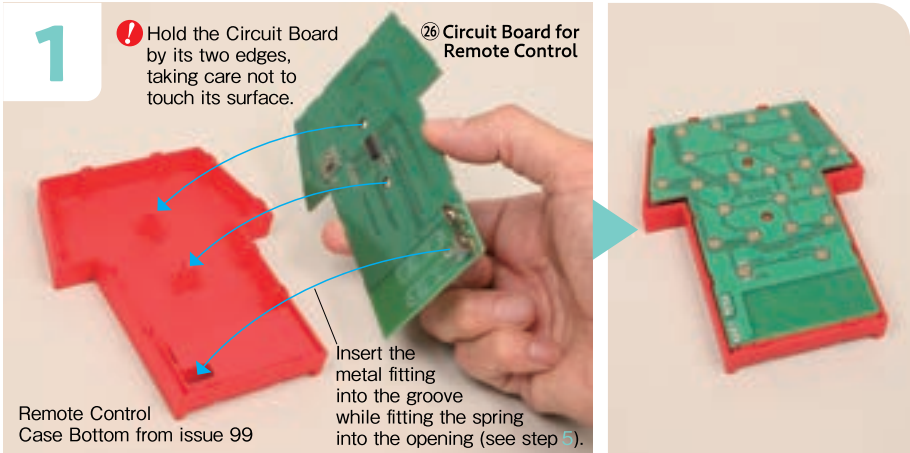


- | | |
|--------------------------------|---|
| ① Top Left Back Wall | ②③ Sticker 4/20 |
| ② Top Back Wall | ④ 650mm Circuit Board Cable |
| ③ Top Right Back Wall | ⑤ Sticker Q |
| ④ Circuit Board Case | ⑥ 150mm Circuit Board Cable × 2 |
| ⑤ Circuit Board Case Cover | ⑦ Sticker S |
| ⑥ Upper Left Roof Panel | ⑧ Battery Contact Fitting |
| ⑦ Bottom Left Back Wall | ⑨ Circuit Board for Remote Control |
| ⑧ Roof Panel Joint | ⑩ Main Circuit Board |
| ⑨ Central Pillar × 2 | ⑪ Power Cable |
| ⑩ Left and Right Pillar × 2 | ⑫ Cable with Main Switch |
| ⑪ Short Pillar × 2 | ⑬ Screw (PB2.6×6mm)×46 (2 for spare) |
| ⑫ Lid × 2 | ⑭ Screw (PB2×4mm)×5 (1 for spare) |
| ⑬ Retainer × 6 | ⑮ Screw (PB2×6mm)×3 (1 for spare) |
| ⑭ Circuit Board Plate × 2 | ⑯ Screw with Washer (PB2×6mm)×3 (1 for spare) |
| ⑮ Sticker 1/17 | ⑰ Battery Box |
| ⑯ 600mm Circuit Board Cable | |
| ⑰ Sticker 2/18 | |
| ⑱ -A 500mm Circuit Board Cable | |
| ⑱ -B 550mm Circuit Board Cable | |
| ⑲ Sticker 3/19 | |

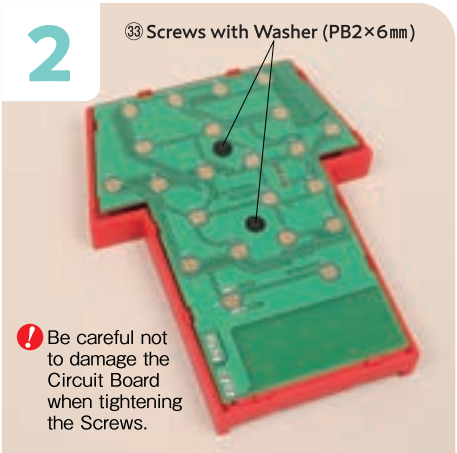
※②③ and ⑦ come in a protective bag. Remove them from the bag and assemble them.



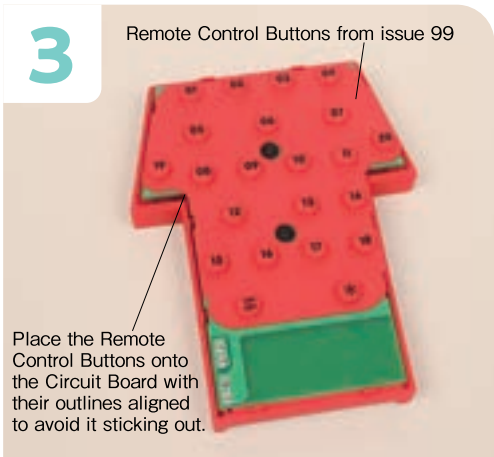
ASSEMBLING THE REMOTE CONTROL



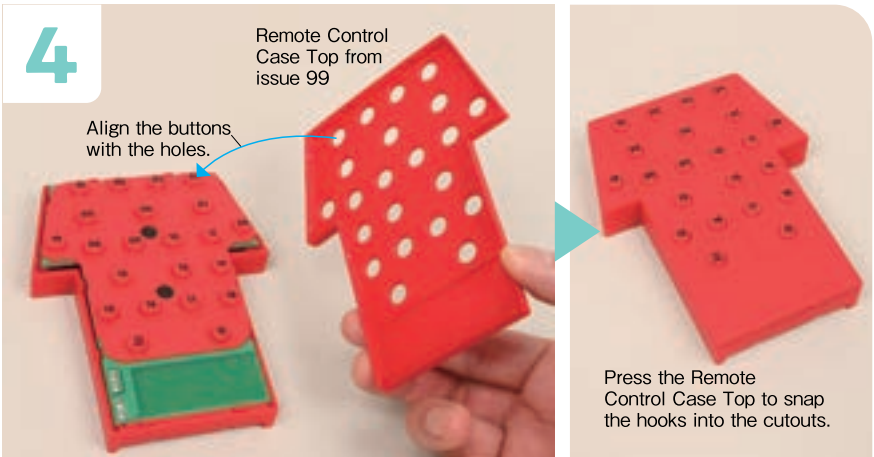
Assemble the 26 Circuit Board for Remote Control to the Remote Control Case Bottom from issue 99 as shown.



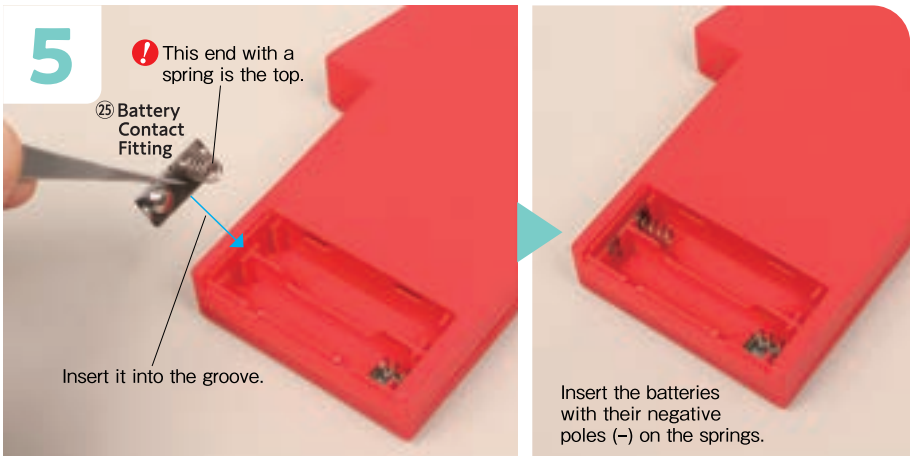
Tighten the 33 Screws with Washer (PB2×6mm) into the two positions shown, taking care not to damage the Circuit Board.



Place the Remote Control Buttons from issue 99 onto the Circuit Board.



Assemble the Remote Control Case Top from issue 99 onto it.

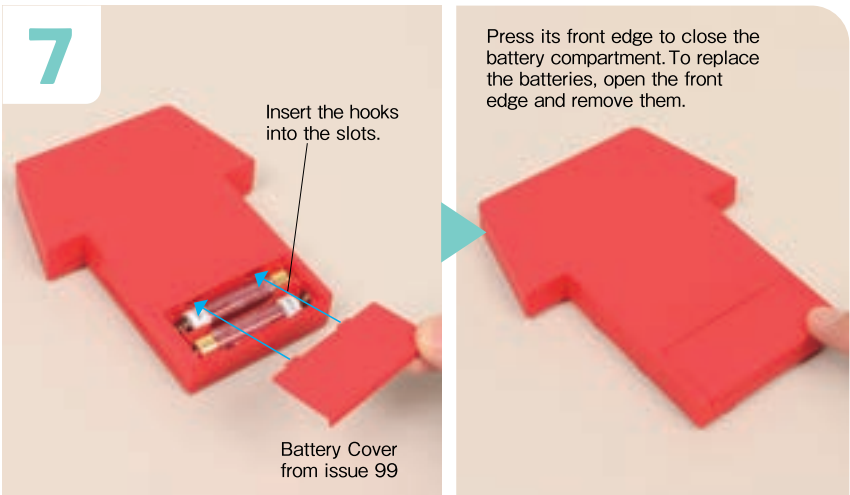


Turn over the Remote Control Case to the back, and assemble the 25 Battery Contact Fitting into the battery compartment as shown.



Get ready two AAA alkaline batteries, and insert them into the Remote Control Case. The springs are for the negative poles (-).

Assembling the Remote Control



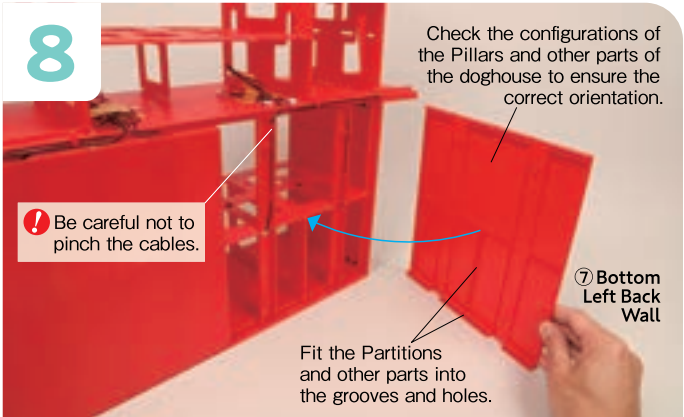
Assemble the Battery Cover from issue 99 as shown.

Issue 100 Completed

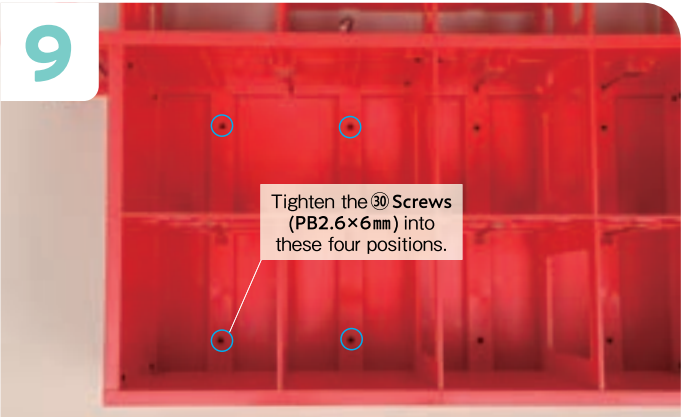


That completes the Remote Control that operates the LEDs of each scene box in the doghouse. For detailed instructions, see p.15.

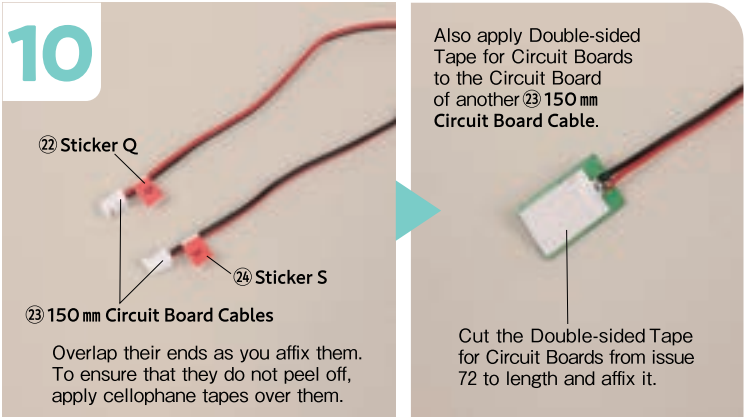
ASSEMBLING THE PILLARS



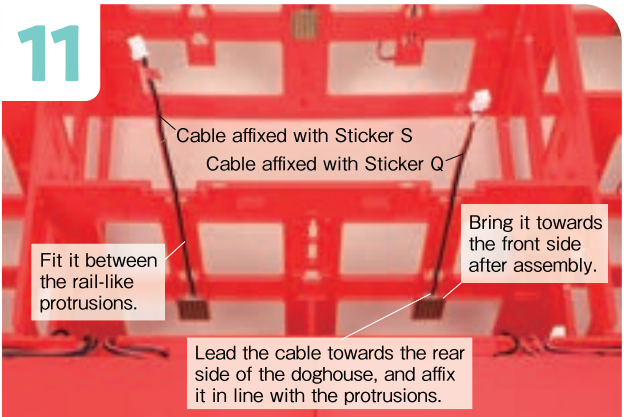
Get ready the doghouse assembled so far, and assemble the 7 Bottom Left Back Wall to the rear side as shown.



While pressing the 7 Bottom Left Back Wall to avoid displacement, tighten the 30 Screws (PB2.6×6mm) into the inner sides of the Pillars in the four positions circled in blue.



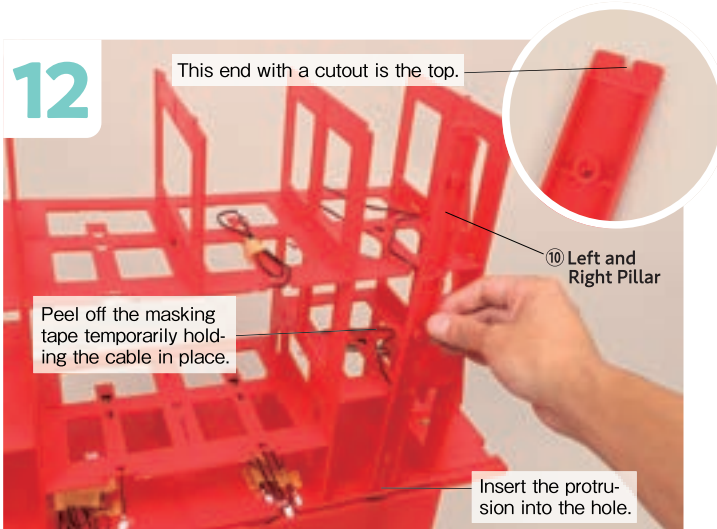
Affix 22 Sticker Q and 24 Sticker S near the connectors of the two 23 150 mm Circuit Board Cables, and apply Double-sided Tapes for Circuit Boards from issue 72 to the Circuit Boards on their other ends.



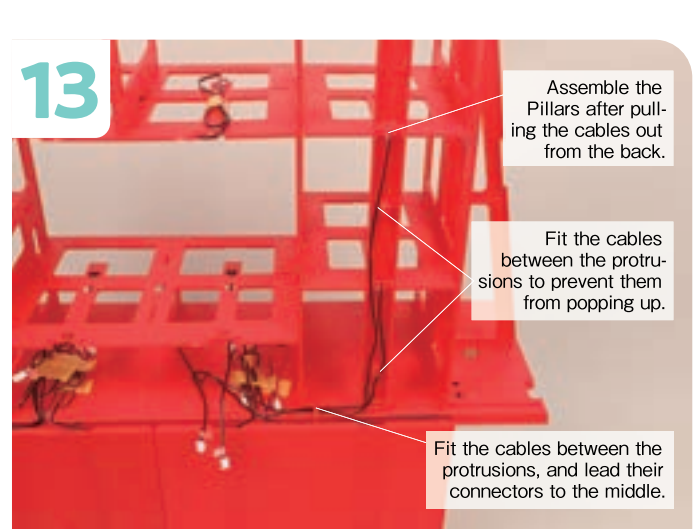
Lay down the doghouse carefully, and affix the 23 150 mm Circuit Board Cables to the underside of the middle Shelving as we did before.



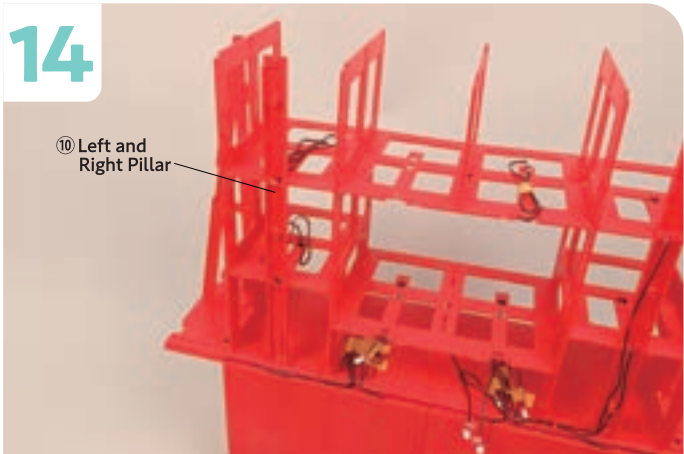
Assembling the Pillars



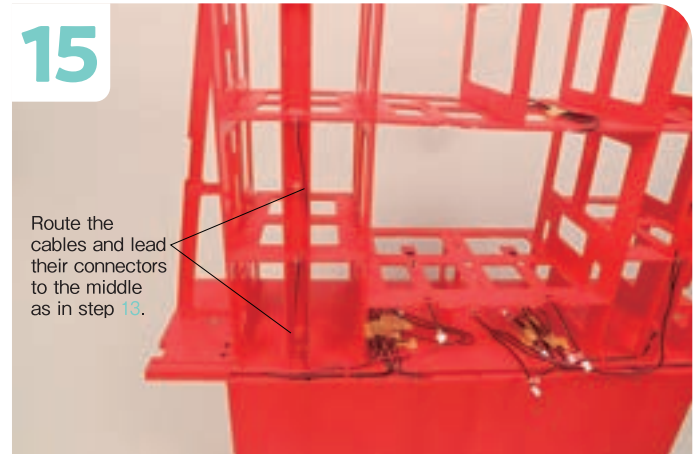
Assemble the ⑩ Left and Right Pillar to the rear side of the doghouse in the position shown.



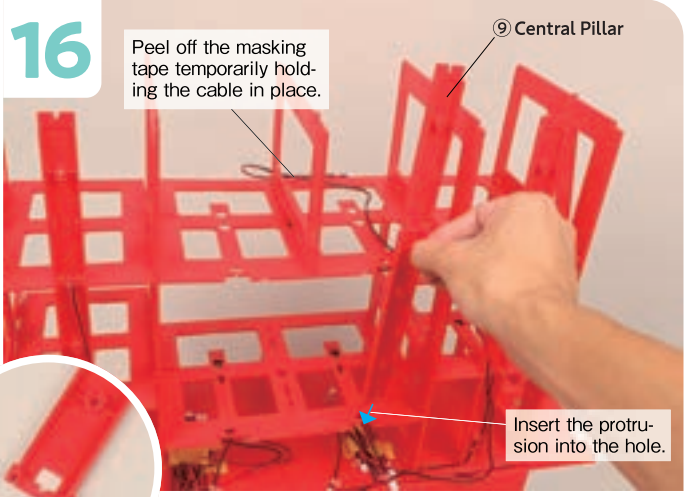
For the Shelving cables, pass their connectors through the Pillar holes, pull them out from the back and route them as shown, taking care not to let them pop up.



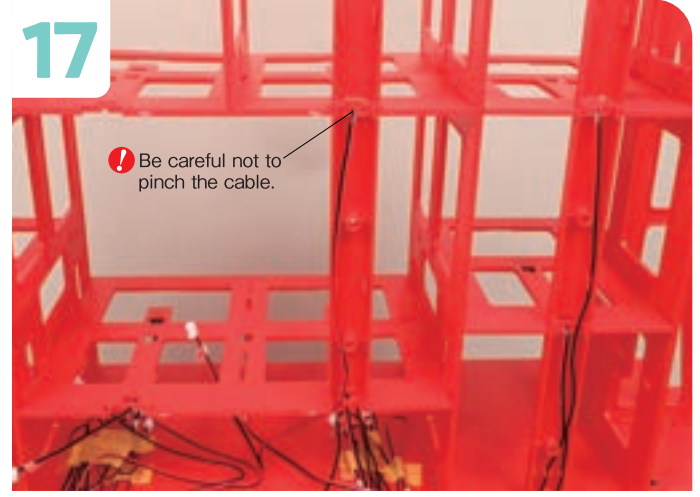
Assemble the remaining ⑩ Left and Right Pillar to the opposite side as in step 12.



Route the Shelving cables and lead their connectors to the middle as in step 13.

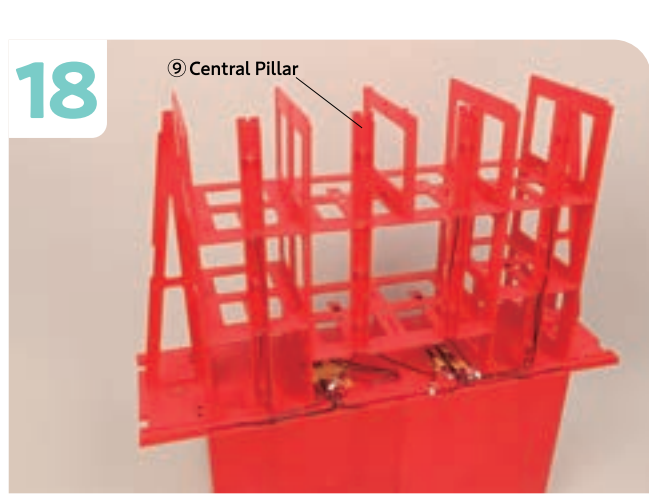


Then assemble the ⑨ Central Pillar to the rear side of the doghouse in the position shown.

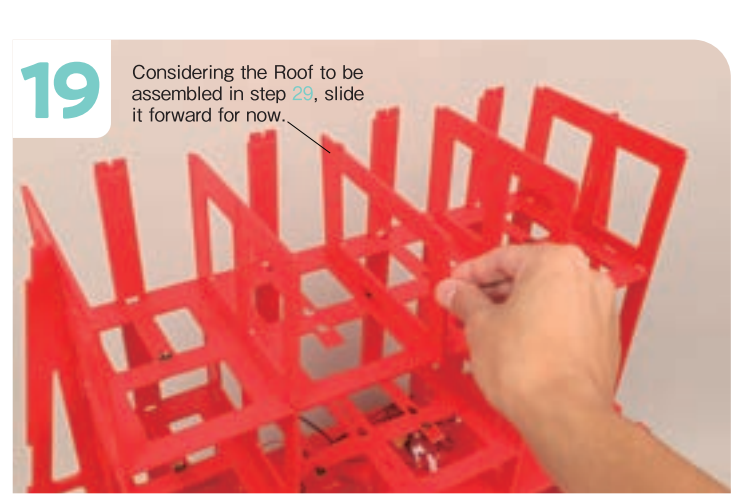


Route the Shelving cables and lead their connectors to the middle as in step 13.

Assembling the Pillars

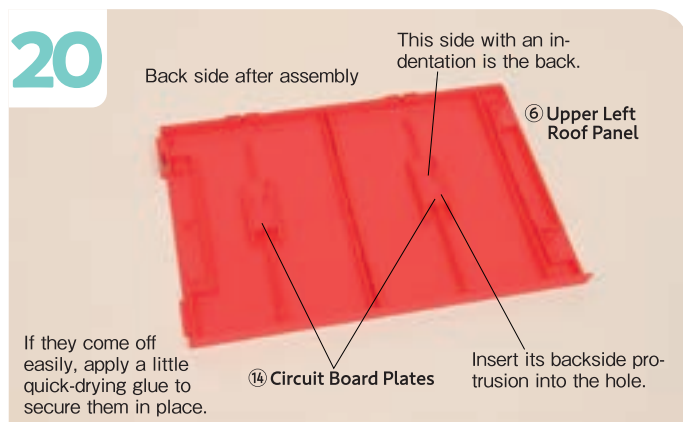


Assemble the remaining ⑨ Central Pillar in the position shown in the same manner.

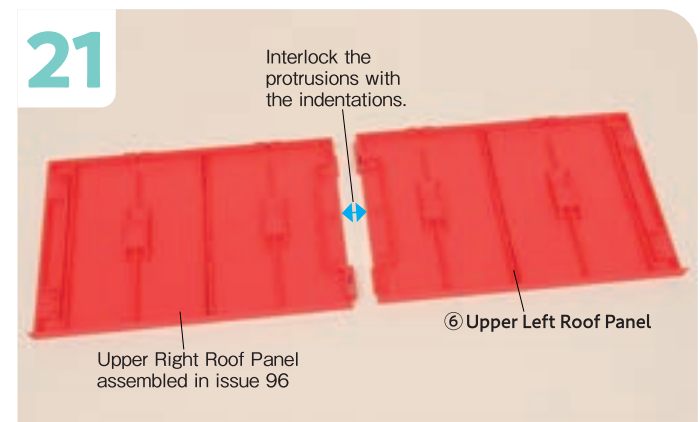


Turn the doghouse around, and slide the upper Partition in the middle forward for now.

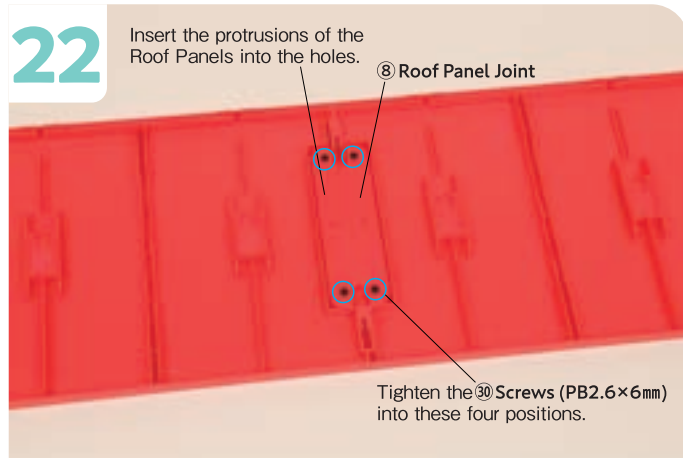
ASSEMBLING THE ROOF



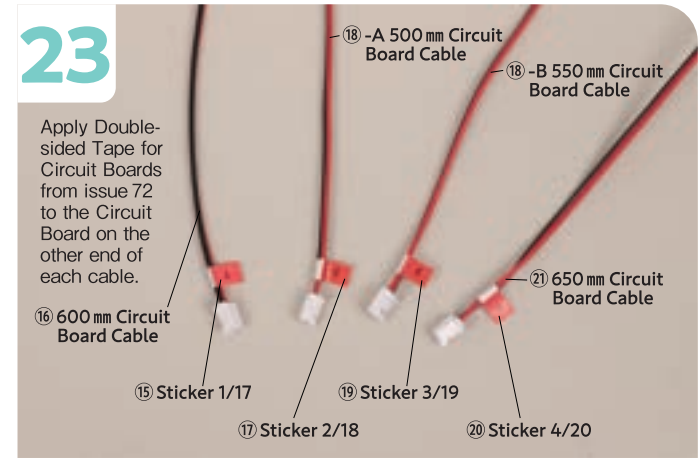
Assemble the ⑭ Circuit Board Plates to the ⑥ Upper Left Roof Panel in the two positions shown.



Get ready the Upper Right Roof Panel assembled in issue 96 and assemble it with the ⑥ Upper Left Roof Panel.



Assemble the ⑧ Roof Panel Joint to the joint as shown, and tighten the ③⑩ Screws (PB2.6×6mm) into the four positions circled in blue.

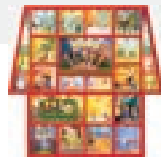


As in step 10, affix Stickers ⑮, ⑰, ⑲ and ⑳ near the connectors of the ⑮, ⑮ and ㉑ Circuit Board Cables, and apply Double-sided Tapes for Circuit Boards on the Circuit Boards on their other ends.

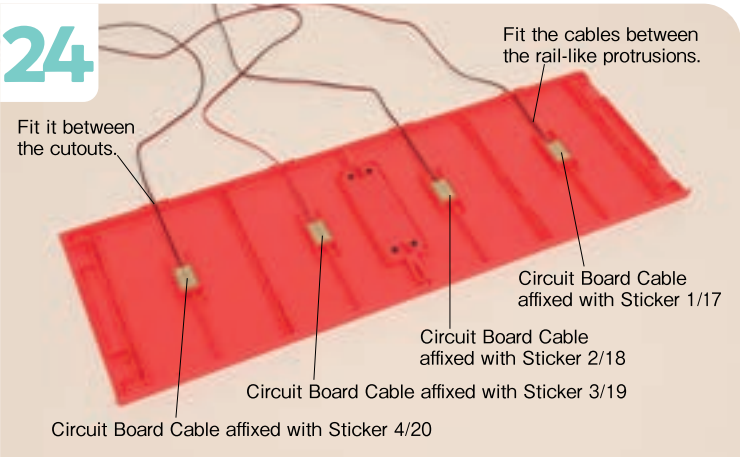


ASSEMBLY INSTRUCTIONS

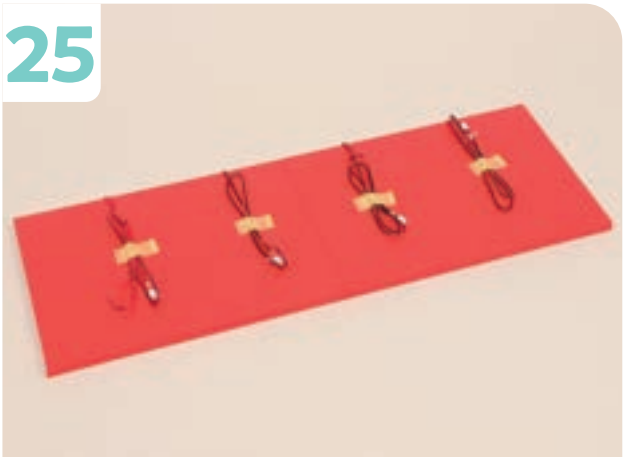
【Doghouse】



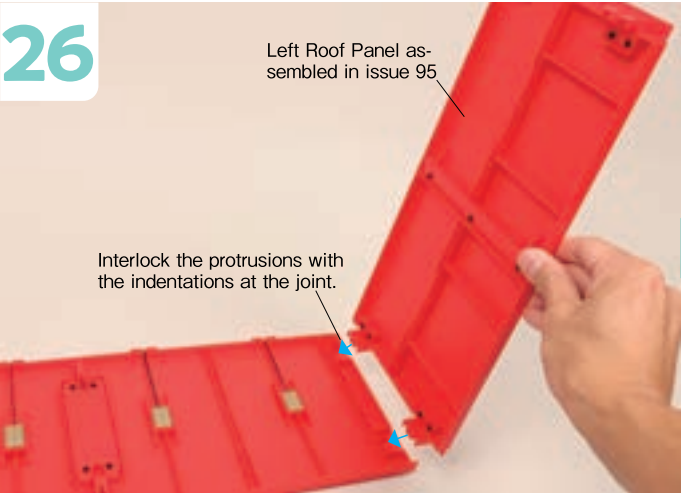
Assembling the Roof



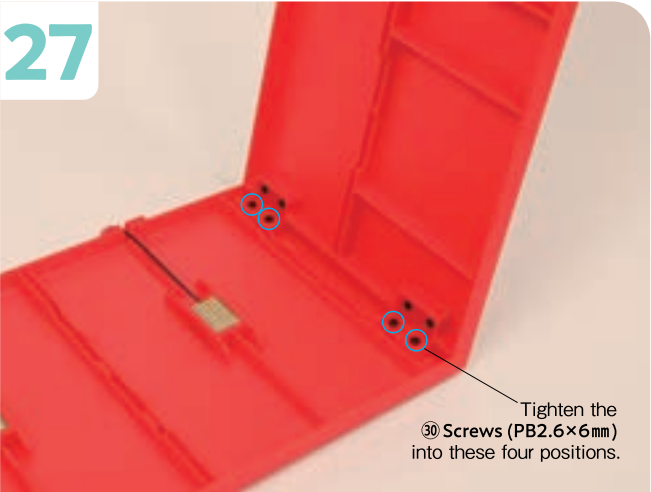
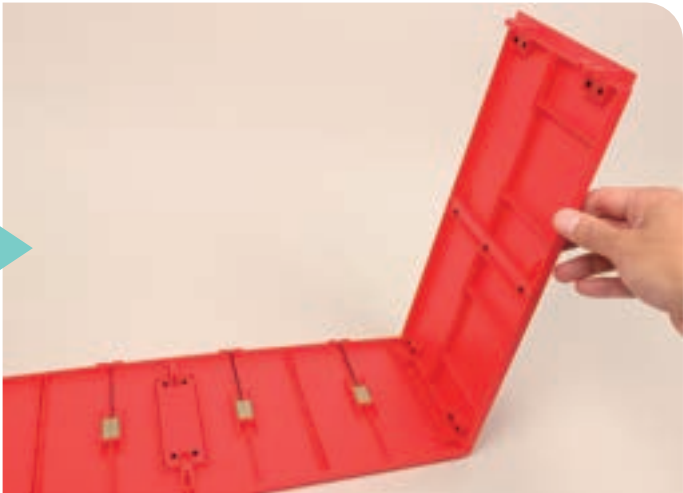
Affix the Circuit Board Cables from step 23 to the Roof Panels from step 22 as shown.



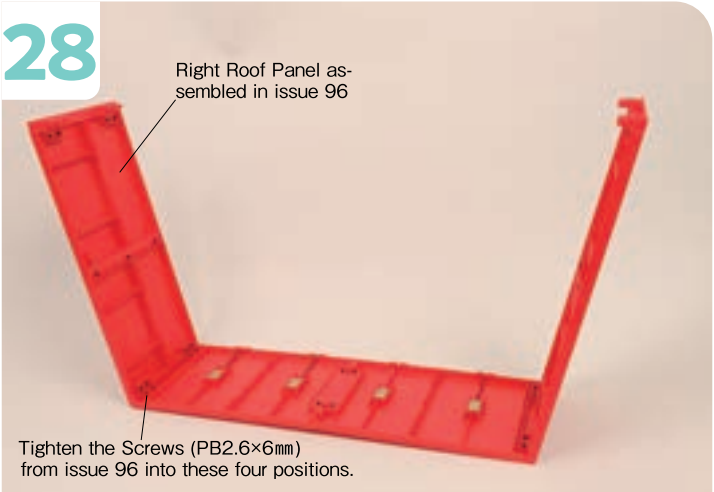
Pull each cable out to the top of the Roof Panel taut, then bundle it out of the way and temporarily secure it in place with masking tape.



Get ready the Left Roof Panel assembled in issue 95, and assemble it with the Roof Panel from step 25 as shown.



Tighten the ⑩ Screws (PB2.6×6mm) into the four positions circled in blue.

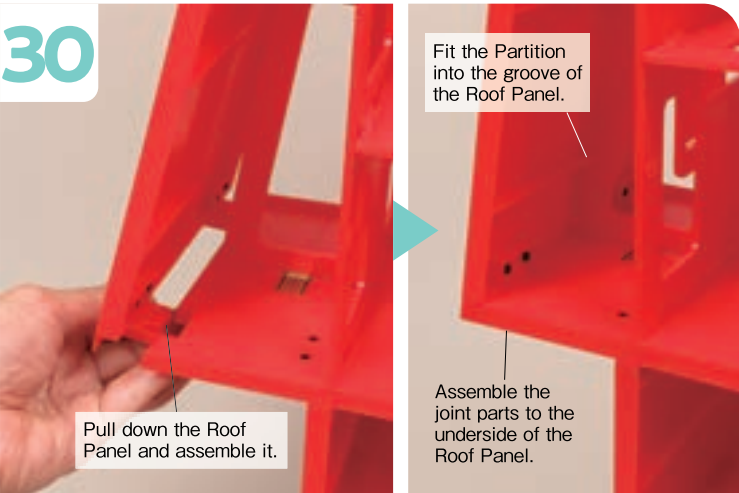


Fasten to assemble the Right Roof Panel assembled in issue 96 to the opposite side with the four Screws (PB2.6×6mm) from issue 96 in the same manner.

Assembling the Roof



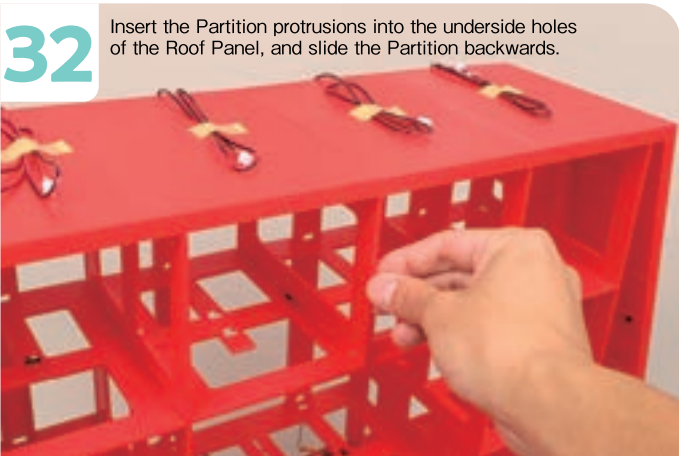
Place the Roof from step 28 onto the doghouse as shown, and fit the top ends of the Partitions, Pillars, etc. into the underside grooves and holes of the Roof Panel.



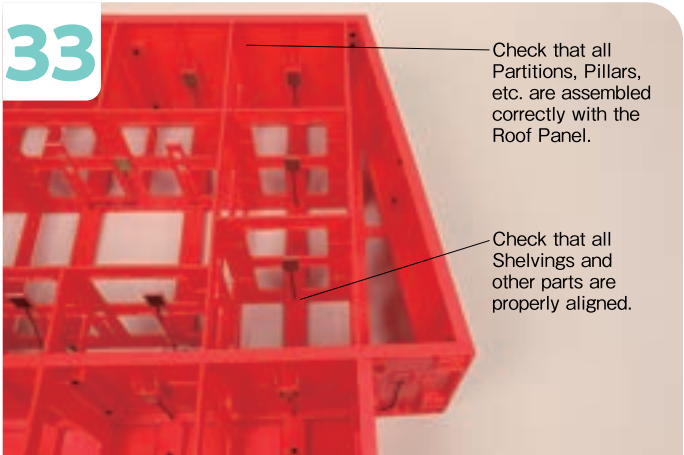
Once the top ends of the Partitions, Pillars, etc. are fitted into the underside grooves and holes of the Roof Panel, pull down the bottom joint parts of the Roof Panel and assemble the panel.



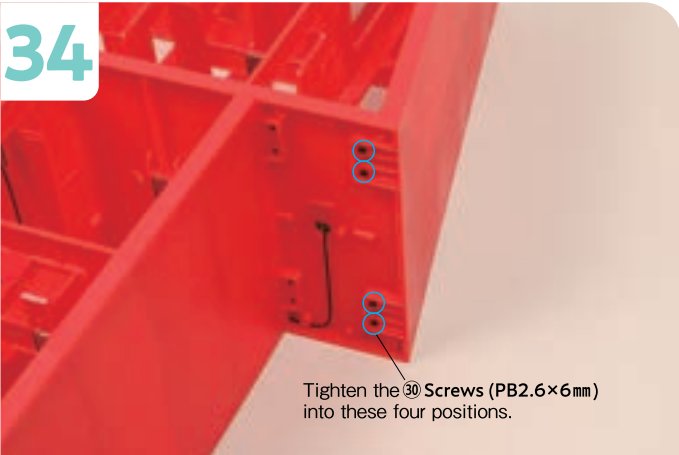
Assemble the other side in the same manner.



Make sure the upper protrusions of the Partition are inserted into the underside holes of the Roof Panel slid in step 19, and slide the Partition backwards to interlock it.



Check that all Partitions, Pillars, etc. are assembled correctly with the Roof Panel, and that all Shelvings and other parts are properly aligned.

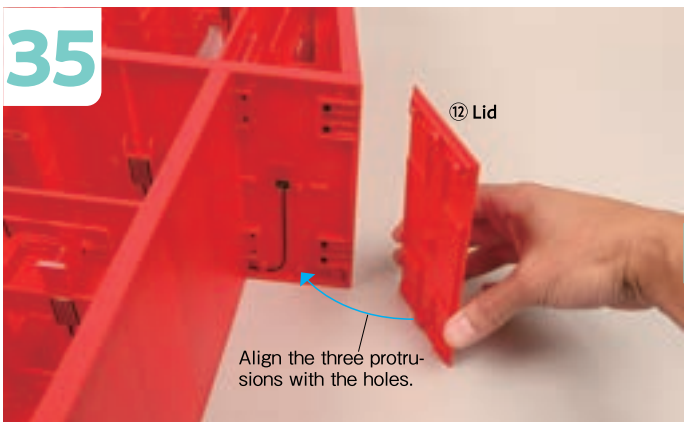


Lay down the doghouse carefully, and tighten the ⑩ Screws (PB2.6×6mm) into the four positions circled in blue.

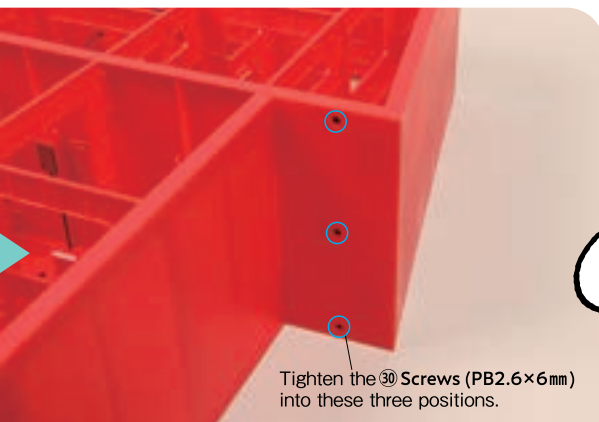




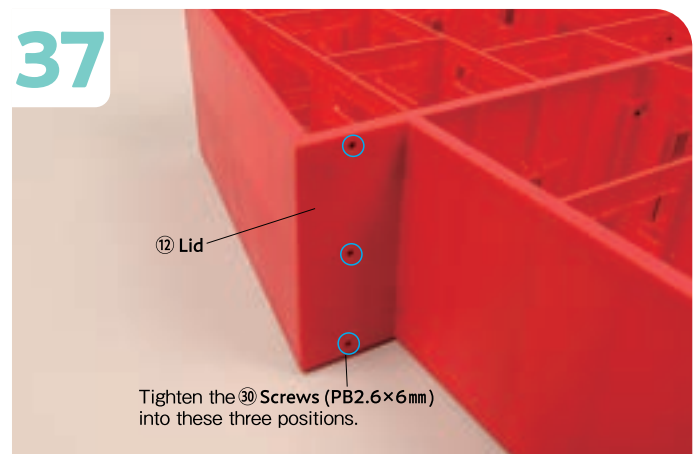
Assembling the Roof



Then fasten to assemble the 12 Lid with three 30 Screws (PB2.6×6mm) as shown in the left photo.

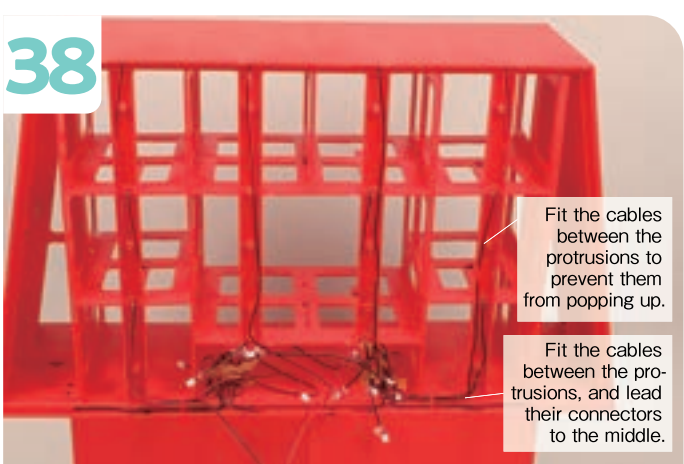


Tighten four 30 Screws (PB2.6×6mm) into the joint parts on the other side as in step 34.

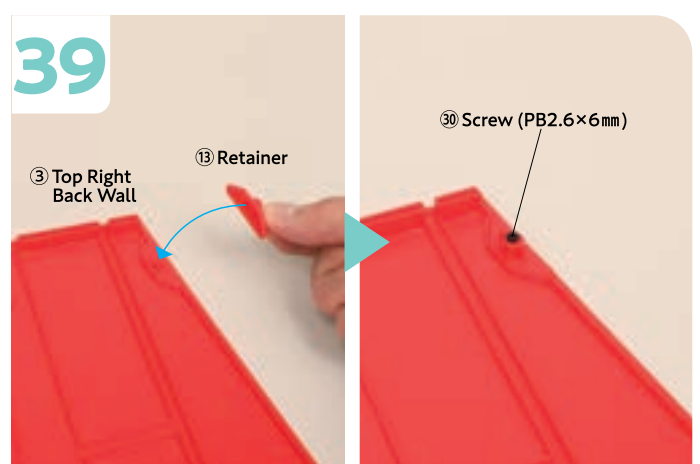


Then fasten to assemble another 12 Lid with three 30 Screws (PB2.6×6mm).

ASSEMBLING THE BACK WALL

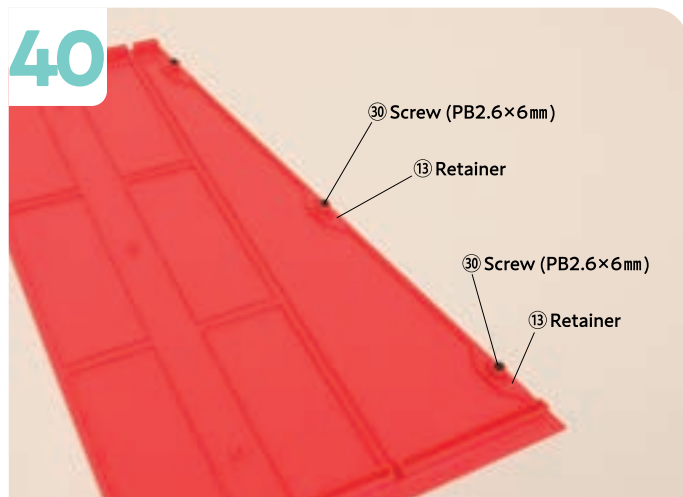


Route the temporarily affixed cables on the Roof Panel as shown, and lead their connectors to the middle.

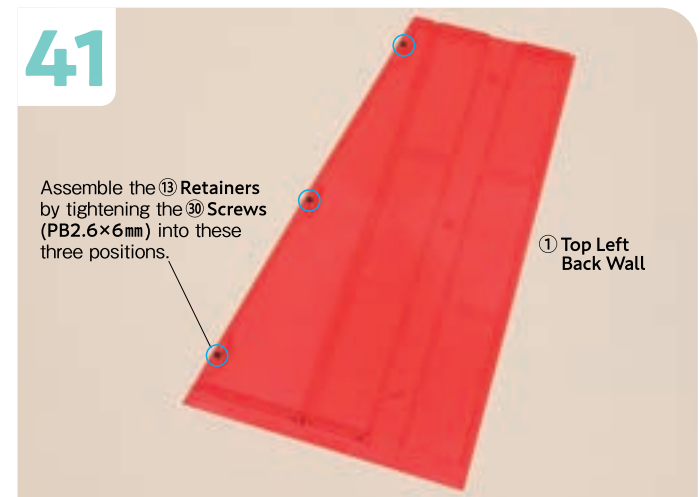


Fasten to assemble a 13 Retainer to the inner side of the 3 Top Right Back Wall in the position shown in the left photo with a 30 Screw (PB2.6×6mm).

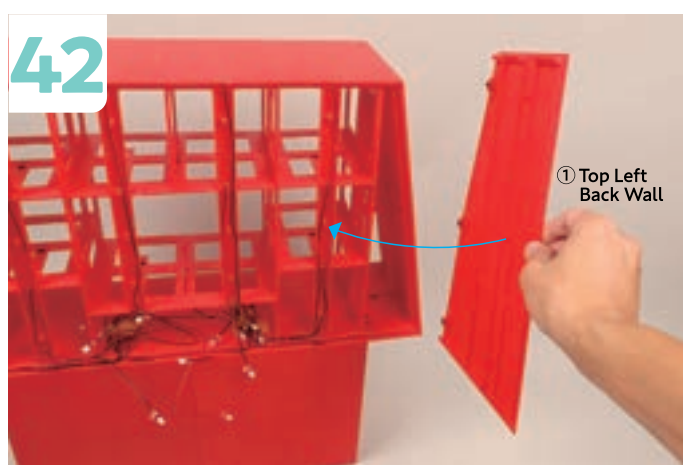
Assembling the Back Wall



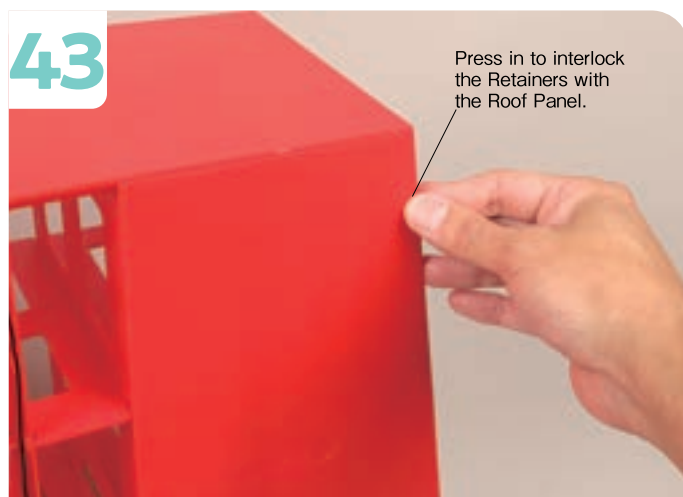
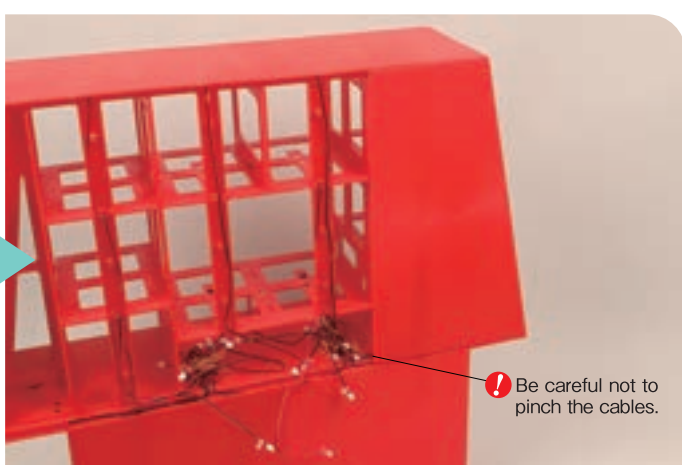
Also assemble the 13 Retainers to the 3 Top Right Back Wall in the two positions shown in the same manner.



Then assemble the 13 Retainers to the 1 Top Left Back Wall by tightening the 30 Screws (PB2.6×6mm) into three positions.



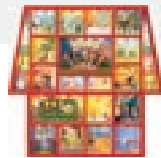
Assemble the 1 Top Left Back Wall to the rear side of the doghouse as shown.



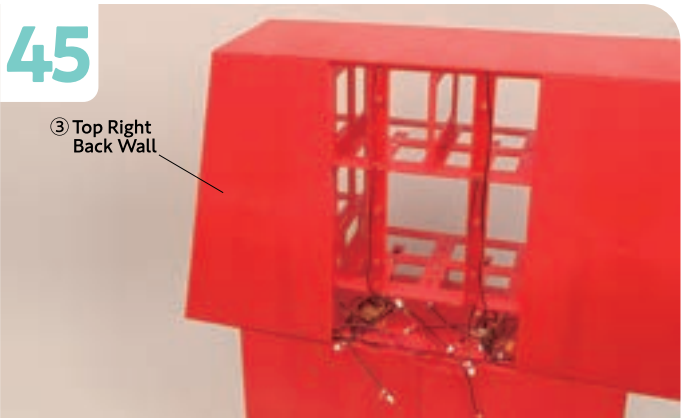
Interlock the Retainers with the Roof Panel by pressing in the outer edge of the 1 Top Left Back Wall.



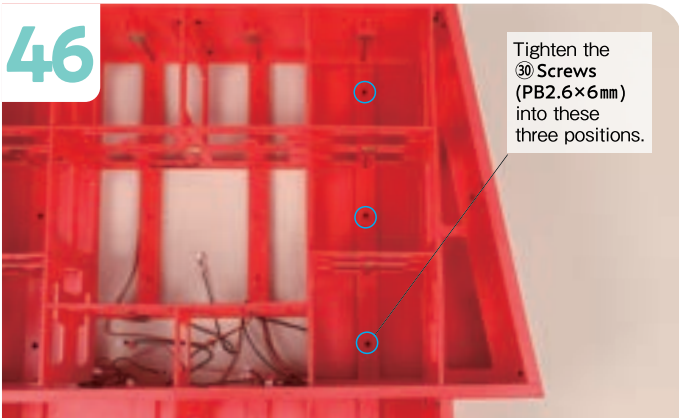
Press in the 1 Top Left Back Wall to hold it in place, and tighten the 30 Screws (PB2.6×6mm) into the inner side of the Pillar in the three positions circled in blue to fasten it.



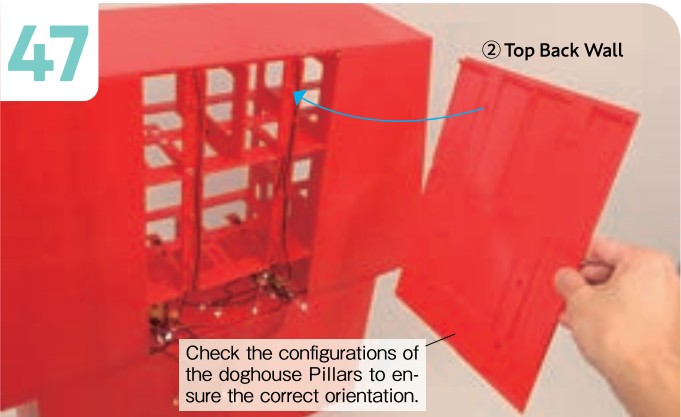
Assembling the Back Wall



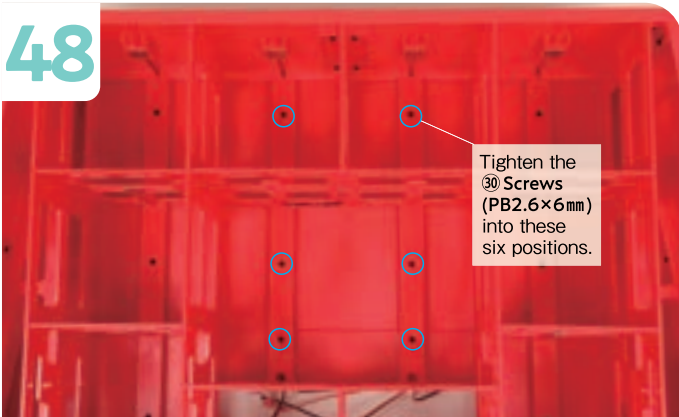
Assemble the ③ Top Right Back Wall to the opposite side as in steps 42~43.



Tighten the ③ Screws (PB2.6×6mm) into the inner side of the Pillar in the three positions circled in blue.

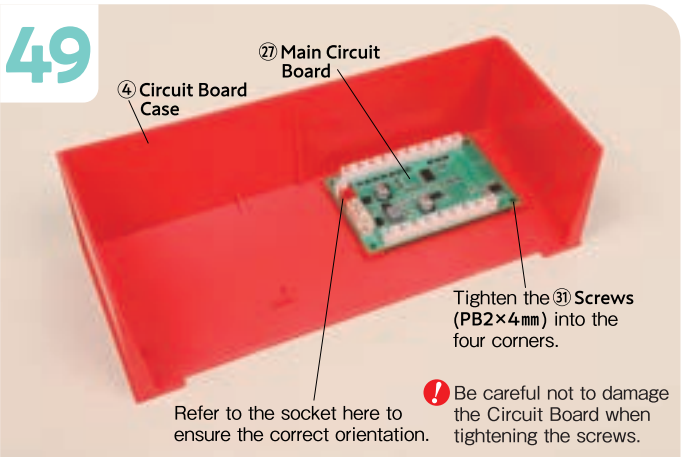


Then assemble the ② Top Back Wall to the rear side of the doghouse in the position shown.

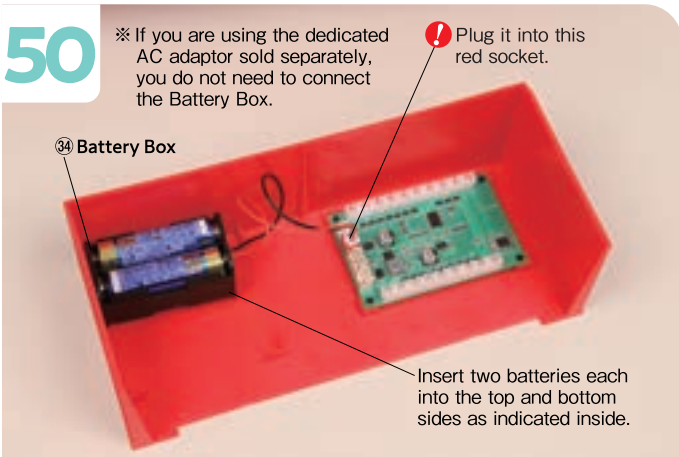


Press in the ② Top Back Wall to hold it in place, and tighten the ③ Screws (PB2.6×6mm) into the inner sides of the Pillars in the six positions circled in blue to fasten it.

ASSEMBLING THE MAIN CIRCUIT BOARD

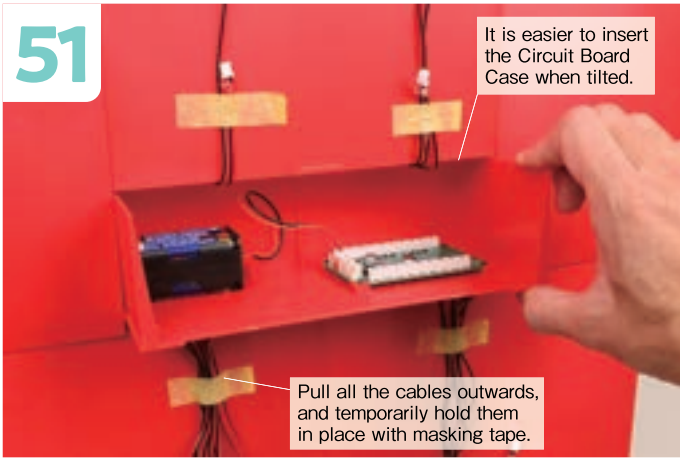


Assemble the ⑦ Main Circuit Board to the ④ Circuit Board Case by tightening the ③ Screws (PB2×4mm) into the four corners as shown.



Get ready four AA alkaline batteries, insert them into the ④ Battery Box, and plug the connector into the red socket on the ⑦ Main Circuit Board.

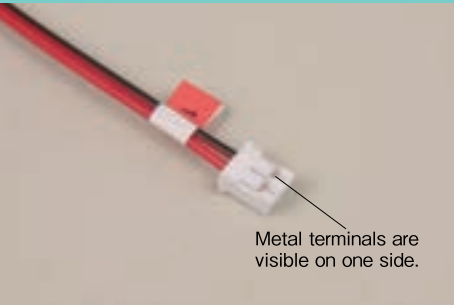
Assembling the Main Circuit Board



Pull the cables at the opening at the back of the doghouse outwards, and insert the Circuit Board Case from step 50 as shown.



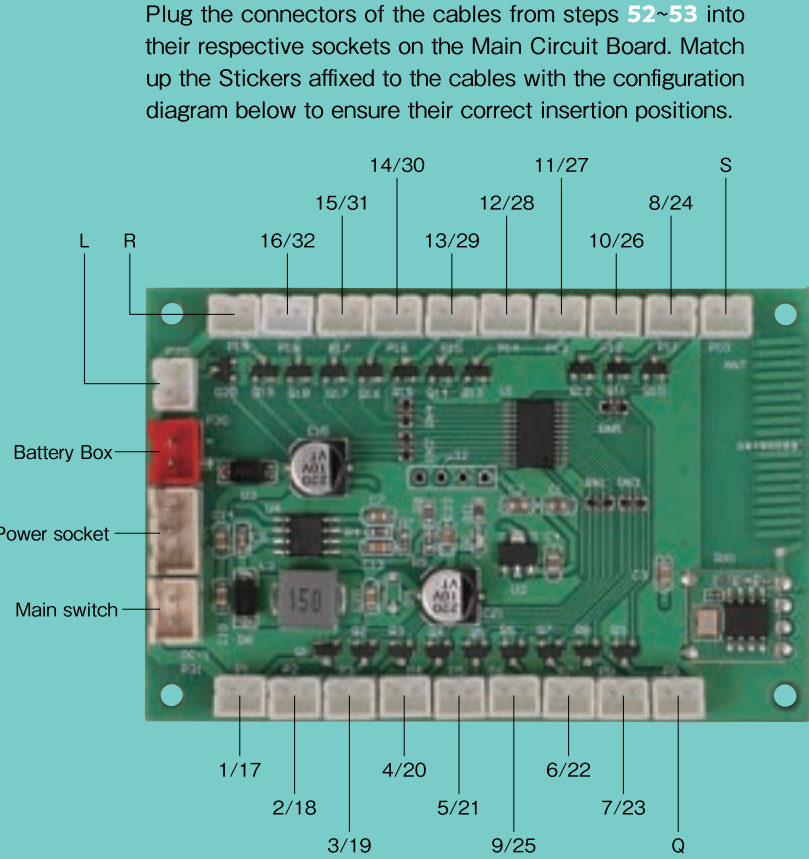
Connector insertion positions on the Main Circuit Board



Note the orientation of the connector—insert it with reference to the side where metal terminals are visible.

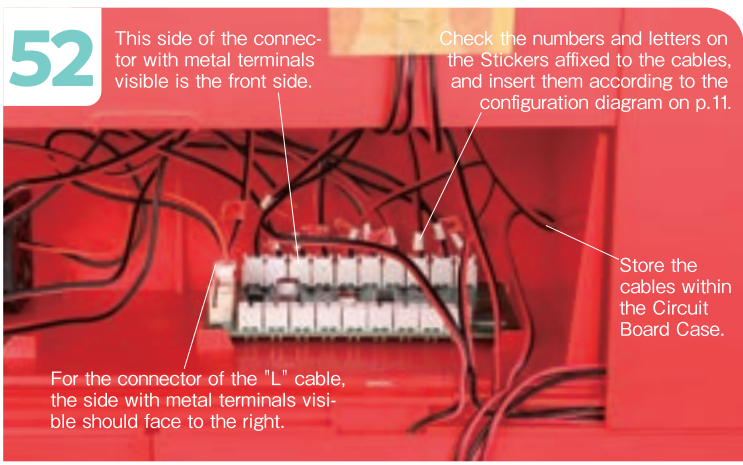


Hold its base with tweezers as shown when inserting the connector. Align the connector with the socket as it is and plug it in, while taking care not to grip it too tightly as it could damage the cable.

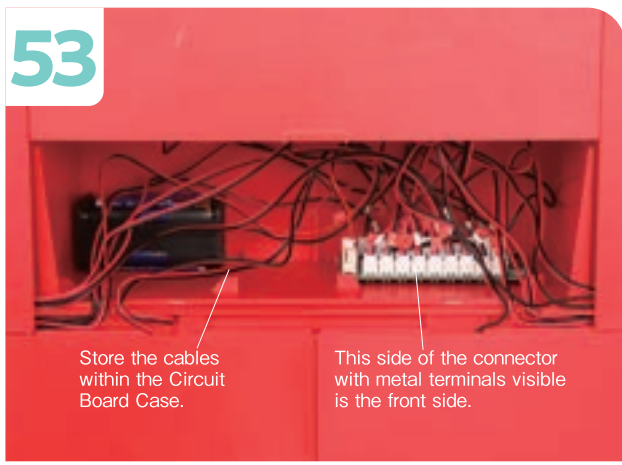




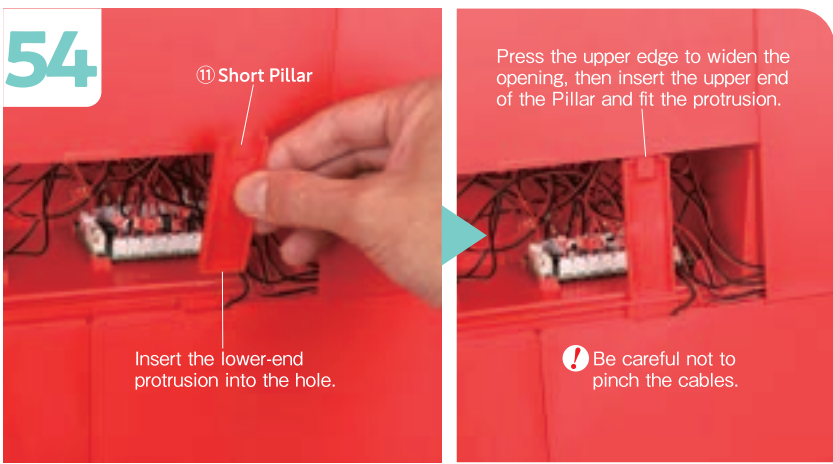
Assembling the Main Circuit Board



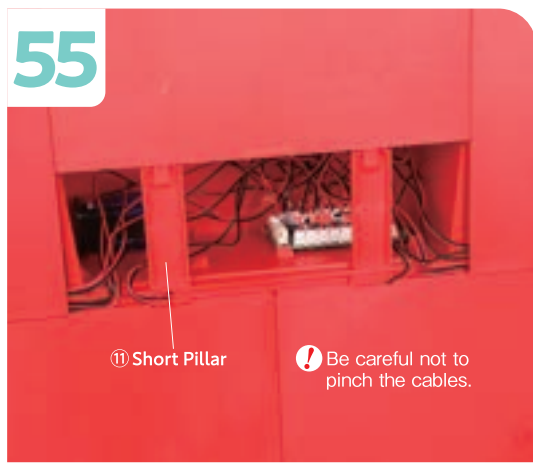
Check the configuration diagram on p.11, and plug the cable connectors into their respective sockets in the back row of the Main Circuit Board sequentially from the left.



Plug the cable connectors into their respective sockets in the front row of the Main Circuit Board in the same manner.

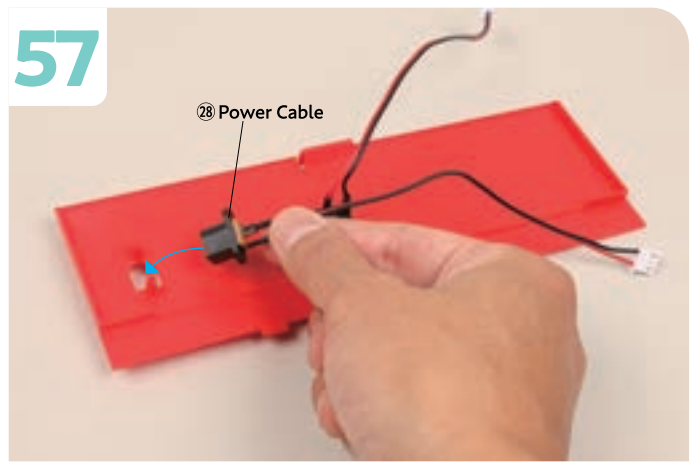


Now assemble the 11 Short Pillar at the opening. Insert its lower-end protrusion into the hole as shown in the left photo, then press the upper edge to widen the opening to fit its upper end (right photo).

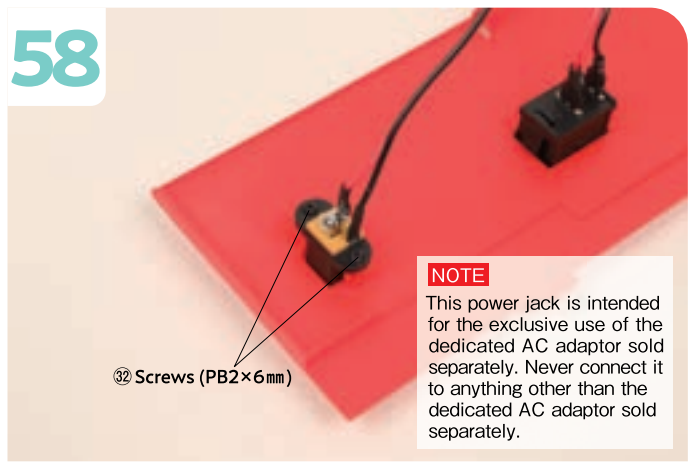


Assemble the remaining 11 Short Pillar to the opposite side in the same manner.

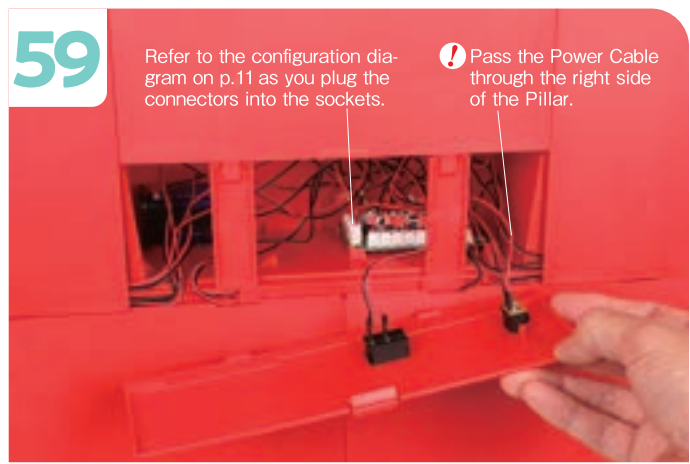
Mounting the Switch and inserting the scene boxes



Turn over the 5 Circuit Board Case Cover to the back, and fit the power jack of the 28 Power Cable into the remaining hole.



Press the power jack to avoid it coming off, and tighten the 32 Screws (PB2×6mm) into the two positions shown.

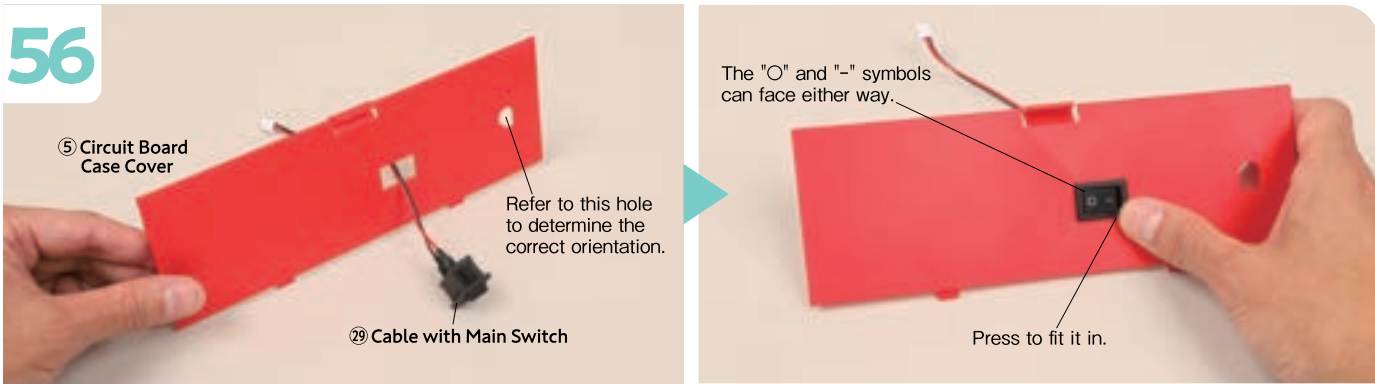


Bring the Circuit Board Case Cover close to the opening at the back of the doghouse, and plug the connectors of the 28 Power Cable and 29 Cable with Main Switch into the sockets on the Main Circuit Board.



Tuck the cables into the Circuit Board Case, and insert the two lower-end protrusions of the Circuit Board Case Cover into the holes.

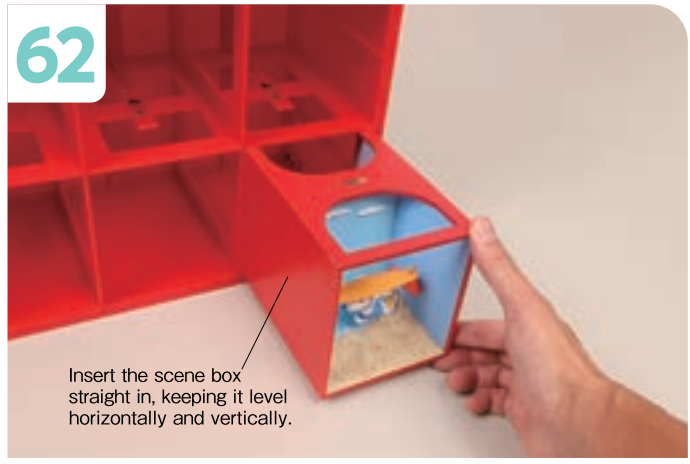
MOUNTING THE SWITCH AND INSERTING THE SCENE BOXES



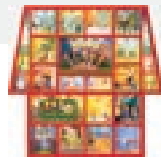
Thread the connector of the 29 Cable with Main Switch through the rectangular hole in the 5 Circuit Board Case Cover (left photo), and fit its switch part into the hole (right photo).



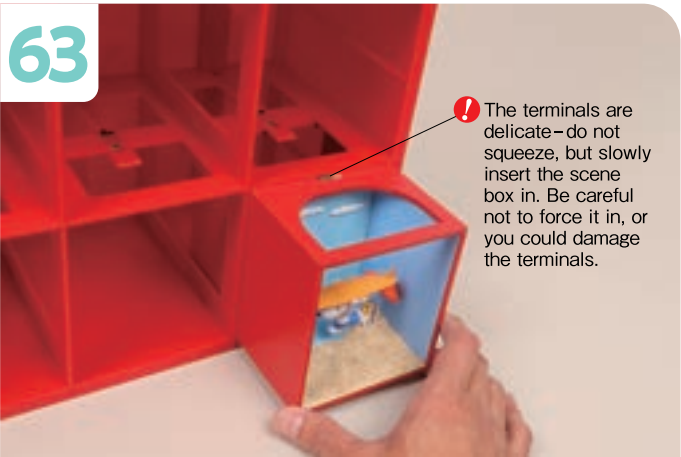
Gently press the upper side of the Circuit Board Case Cover to snap the hook into place.



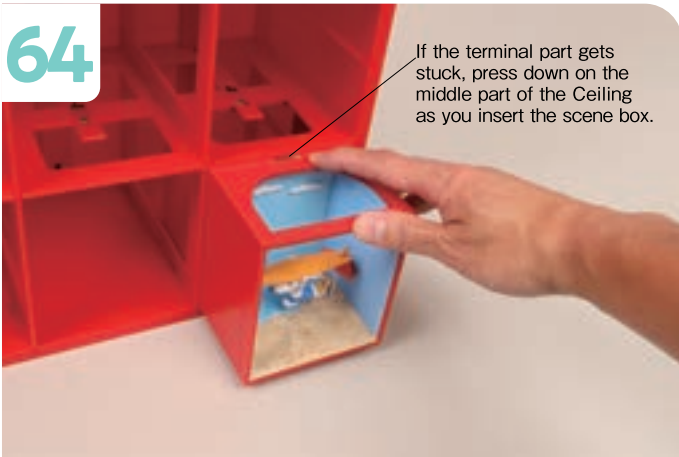
Now insert the scene boxes into the doghouse. Keep the scene boxes level horizontally and vertically as you insert them.



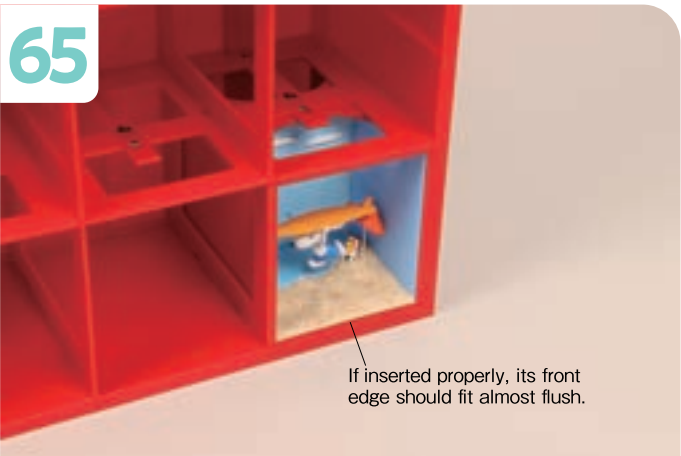
Mounting the Switch and inserting the scene boxes



Push in the scene box slowly as it is. Be very careful not to force it in, or you could damage the terminals.



If the terminal part gets stuck and is difficult to insert the scene box, press down on the middle part of the Ceiling as you insert it.



If the scene box is inserted until its backside hits the Pillar, its front edge should fit almost flush.



Insert other scene boxes in the same manner. If you find a box difficult to insert, it may help to take out its surrounding boxes.



For the left and right Figurine Boxes, keep their upper and lower boxes assembled as you insert them.

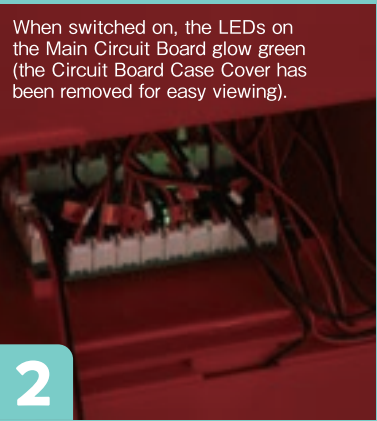


Remote Control user guide

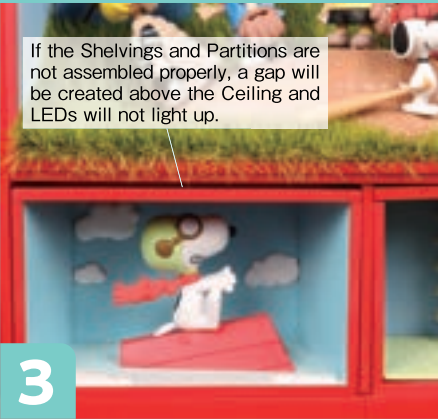
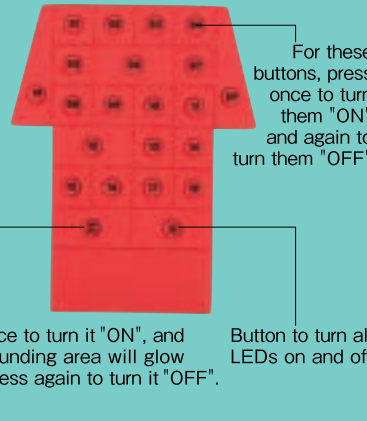
The Remote Control buttons correspond to the configurations of their respective scene boxes in the doghouse. Let's turn on the main switch of the doghouse to light up the LEDs.



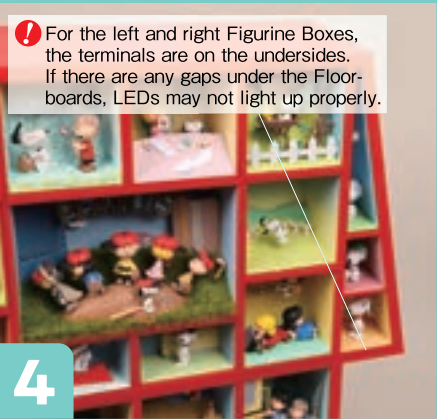
Turn on the main switch on the Circuit Board Case Cover. The symbol '-' represents 'ON', while the opposite symbol 'O' represents 'OFF'.



When switched on, the LEDs on the inner side of the Main Circuit Board glow green. You can check it through the gap of the Circuit Board Case Cover.



If LEDs do not light up properly, there may be a poor contact. If the Partitions are displaced, creating a gap above the Ceiling, LEDs will not light up either.



If some scene boxes do not light up, try taking them out together with their surrounding boxes and putting them back. They may light up again as the contact gets better.

If LEDs do not light up, check in this order.

1. Check the batteries in the Battery Box and Remote Control. If the batteries are inserted in the wrong direction or are low, LEDs will not function properly.
2. Press the "ON" button on the Remote Control, and check that the area around the button glows green. If not, the Battery Contact Fitting may not be assembled properly.
3. Check that the Main Circuit Board glows green when the main switch of the doghouse is turned on. If not, the Battery Box or main switch connector may not be connected properly.
4. If some scene boxes do not light up, slightly shifting them forth and back can improve the contact, and the boxes may light up again. If they remain unlit, try taking them out together with their surrounding boxes and putting them back. This may improve the contact. If the terminals or Circuit Board are dirty, wipe them clean with anhydrous alcohol or the like.
5. Check the Main Circuit Board to see if the connector on the unlit scene box is properly plugged into its socket.

Storage and other precautions

- Take out all the scene boxes when moving the doghouse. Also do not hold the overhanging parts of the roof, for any deformation of the doghouse can sometimes result in difficulties in inserting the scene boxes and poor LED contact.
- If not in use for a long time, turn the Remote Control and main switch to "OFF" and remove the batteries.
- Keep away from UV rays like direct or reflected sunlight, high or low temperatures, high humidity or dryness, and rapid temperature or humidity changes.
- Keep away from heat-generating lighting appliances.
- If dust or dirt gets on it, clean it off with a soft cloth like a lens wipe or a soft bristle brush.



※ When a scene box is taken out and displayed on its own, connect the Connection Cable and the Battery Box from issue 7 to the socket on its Ceiling to turn on the LEDs.