

A GERRY ANDERSON PRODUCTION
THUNDERBIRDS
CLASSIC

Build your own

THUNDERBIRD 2

PACK
08



DEAGOSTINI
MODELSPACETM
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Build your own **THUNDERBIRD 2**

STAGE

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Warning: Not suitable for children under the age of 14.

This product is not a toy and is not designed or intended for use in play.

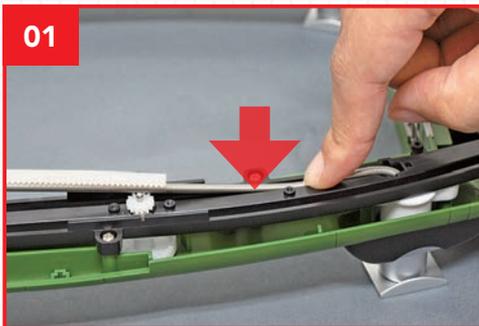
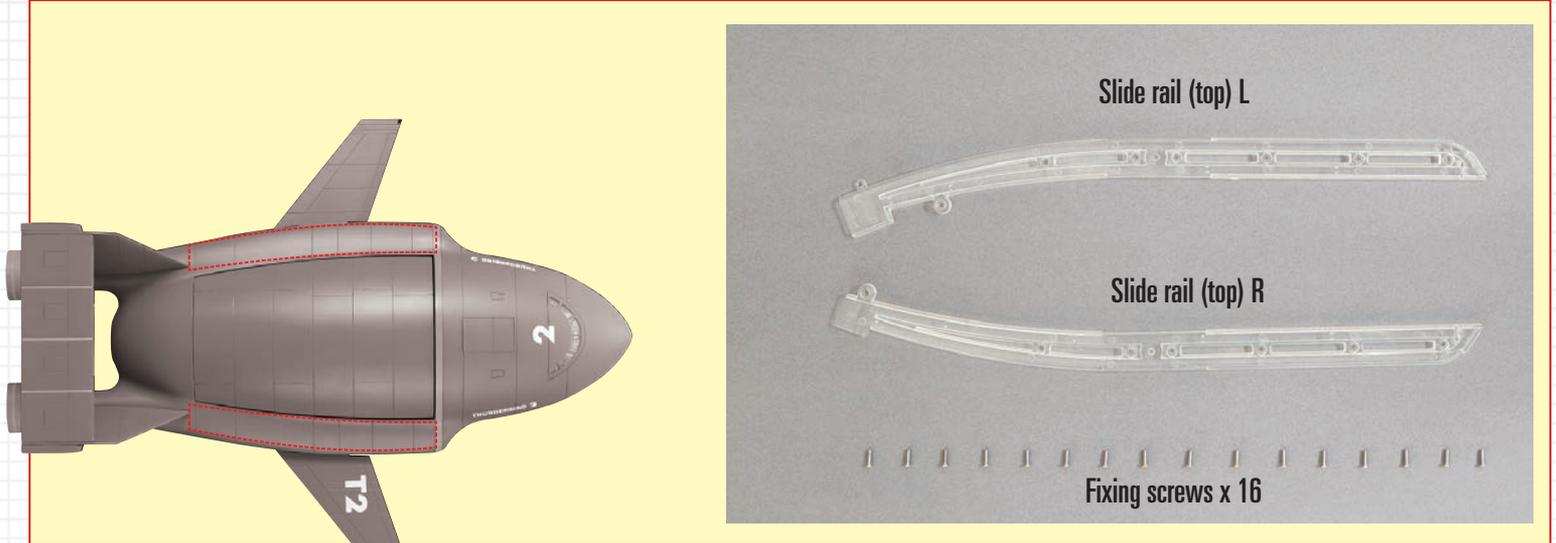
Items may vary from those shown.



STAGE 46

SLIDE RAILS (TOP)

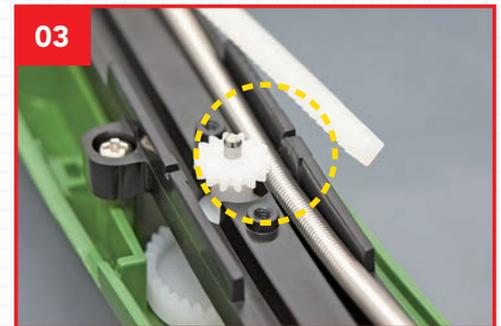
YOUR PARTS



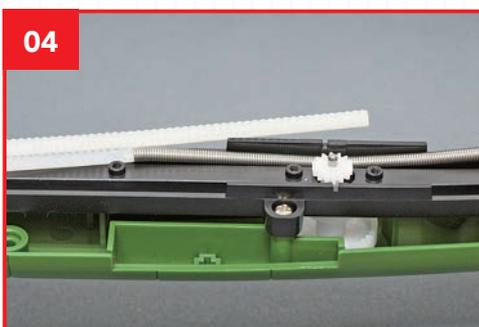
01 Fold the left-rear leg's spring over and press down on it, so that it sits in the arrowed groove.



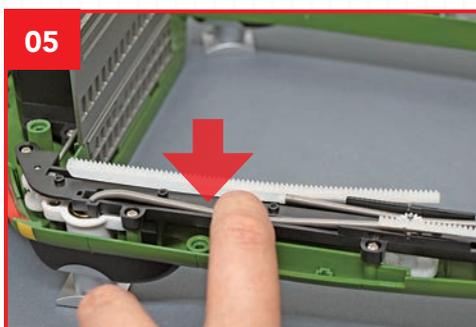
02 Press the spring along the groove, making sure it snaps in past the centre gear.



03 Make sure the spring is sitting neatly in its groove.



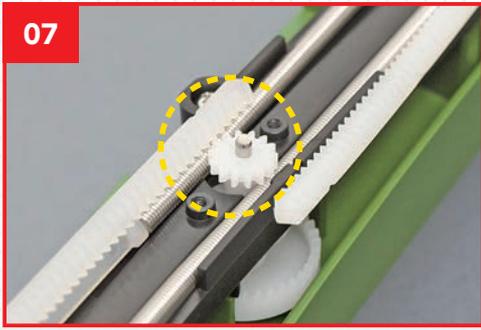
04 The assembly should look like this.



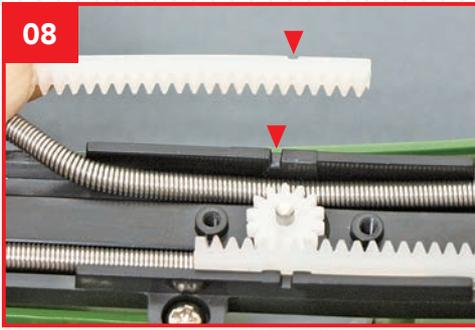
05 Next, do the same for the left-front leg's spring, pressing it into this groove.



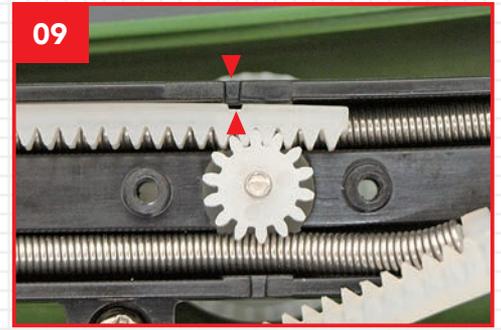
06 Again, fit the spring neatly into the groove beneath the centre gear.



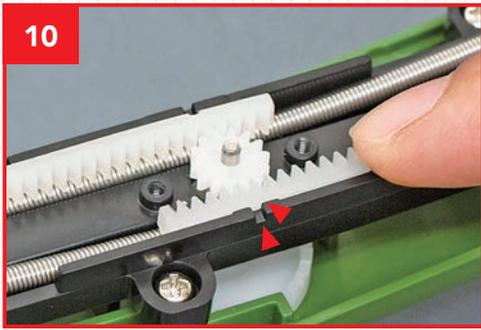
Both springs should look like this.



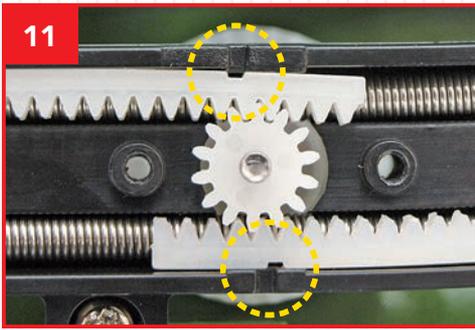
Locate these corresponding notches on the rear-left rail-gear rack and slide rail.



Align these notches, so that the gears' teeth also engage neatly.



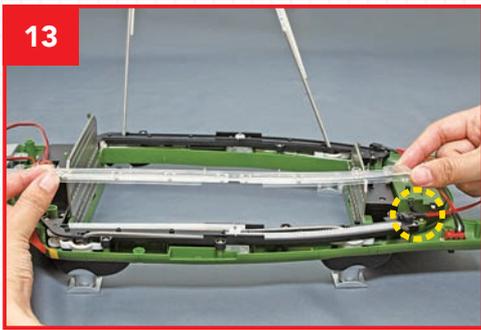
Do the same for the front rail-gear rack.



Check all the parts are positioned as shown here.



The slide gears and gear-racks should be set like this.



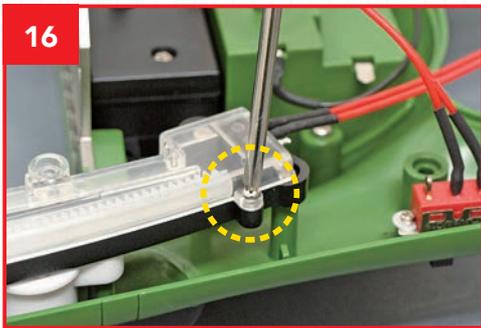
Lower this stage's left slide rail top over the slide gears. Make sure the upper-limit switch (circled) remains in place.



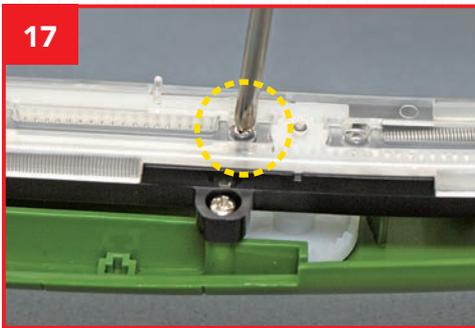
The part should sit flush on top of the assembly.



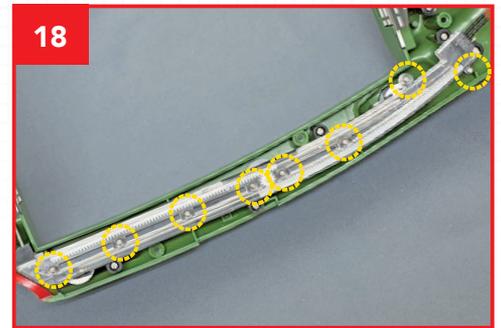
Lightly tighten one of the screws into the front hole.



Now lightly turn another screw into the rear hole.



And now the hole in the centre.



Keep going until all these hole have screws in them. Then go back and fully tighten each one.



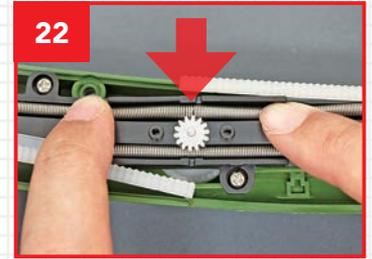
19 Fit the front-right leg spring into its groove, as you did for the left side.



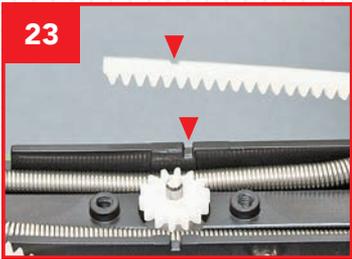
20 Fit it under the centre gear.



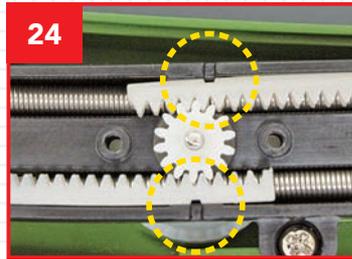
21 Repeat for the rear spring.



22 Fit this under the gear, too.



23 Align these notches.



24 As you did before, engage all the circled notches and the gears' teeth.



25 The assembly should now look like this.



26 The front gear-rail rack should come to rest so it just touches the lower-limit switch, like this.



27 Making sure the lower-limit switch and the rails stay in place, lower the right slide rail top into position...



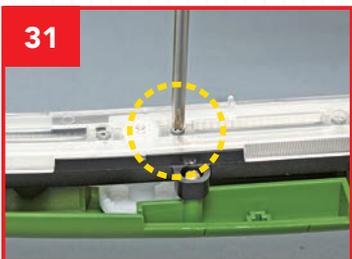
28 ... like this.



29 Turn a screw lightly into the front hole...



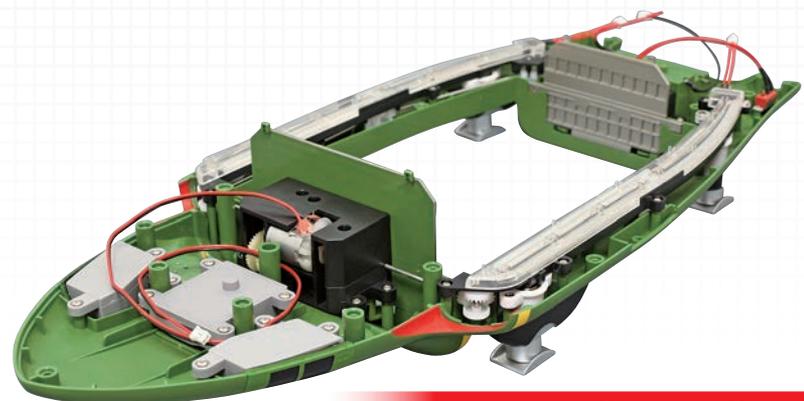
30 ... then the rear...



31 ... then the centre...



32 ... and then keep going until all these holes are secured. Then fully tighten each one.



STAGE COMPLETE



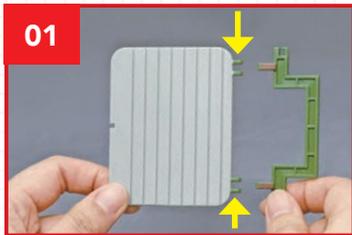
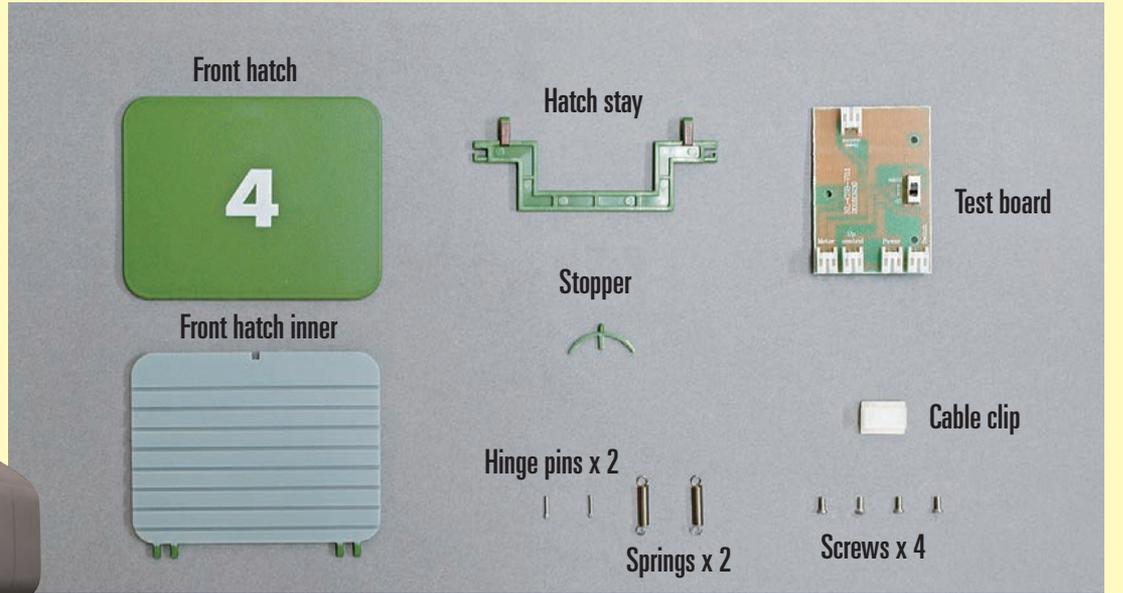
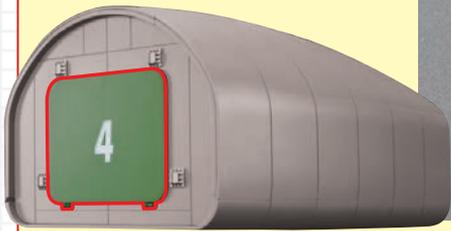
STAGE 47

POD 4 FRONT HATCH

+ LEG TEST + THE MOLE

YOUR PARTS

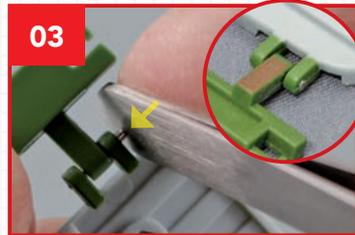
Tools and materials:
Tweezers, superglue



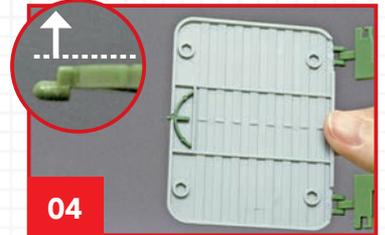
01 The stay will join the front hatch stay inner like this.



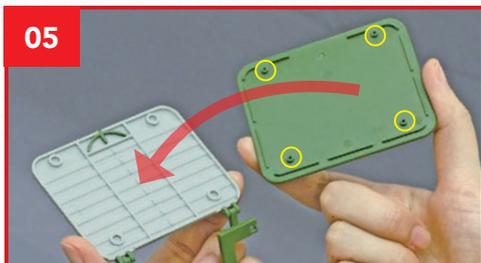
02 Use tweezers to fit a hinge pin, inserting it from the outside and with the ribbed tip left exposed.



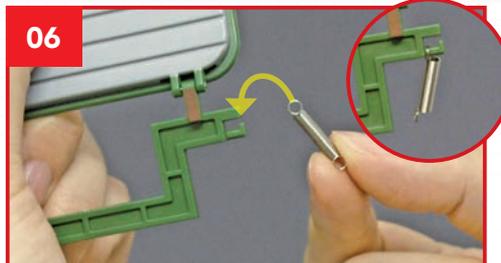
03 Now push the pin in fully with the back of the tweezers. Repeat for both pins.



04 Fit the stopper to this recess, with its tip seated in the notch (inset).



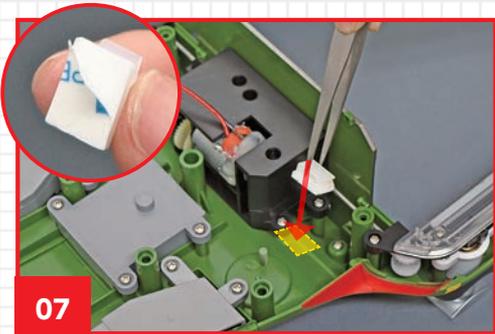
05 Use superglue to affix the front hatch to its inner face, via the circled lugs.



06 Now place the loop at the end of the first spring onto the hook at the side of the hatch stay. Repeat for both springs.

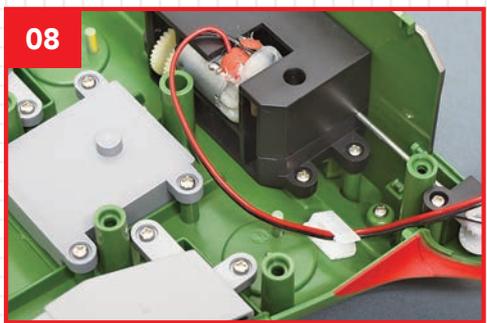


Your assembly should look like this.



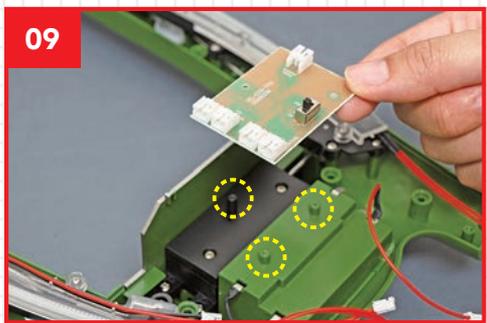
07

To begin the leg test, remove the adhesive backing from the cable clip and stick it here.



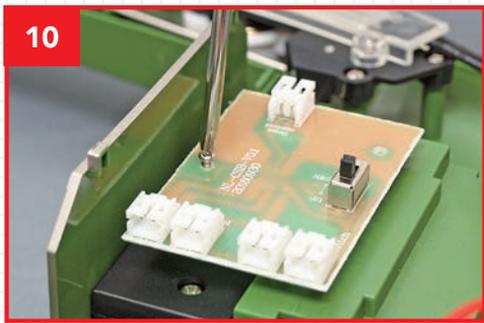
08

Feed the motor's cable through it.



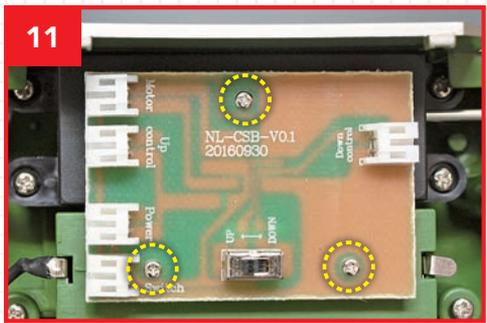
09

Seat the test board on top of the battery box, via the circled lugs.



10

Secure it with screws...



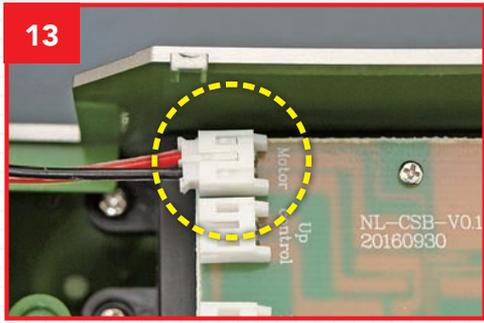
11

... in all three holes.



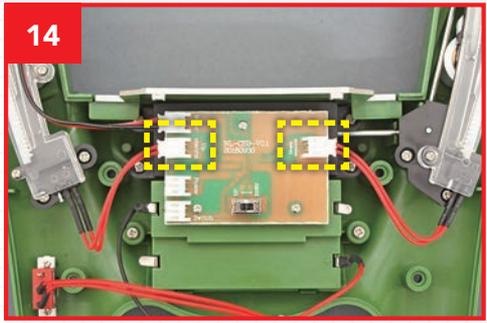
12

Fit the motor cable's connector into the socket marked 'Motor'.



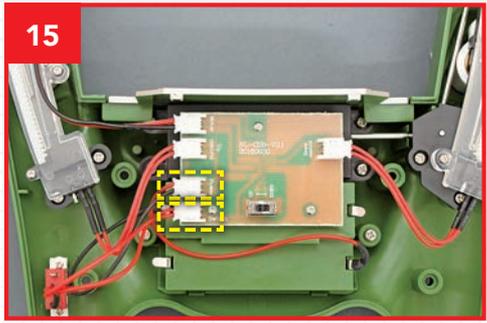
13

Make sure it is fitted securely, with its pegs engaged to hold it in place.



14

Now fit the upper-limit switch to the socket marked 'Up control' (left), and the lower-limit switch to the one marked 'Down control' (right).



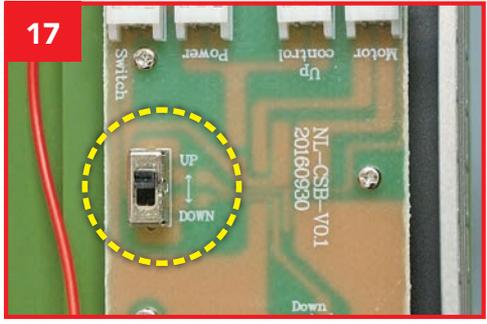
15

Connect up the battery box's cable and the main switch's cable to the sockets marked 'Power' and 'Switch' respectively.



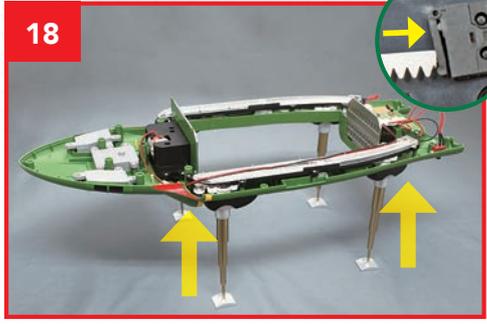
16

Turn the switch off, then insert some batteries into the box, checking that they are fitted correctly.



17

Turn the switch on the test board to the UP position, then turn the main switch back on.

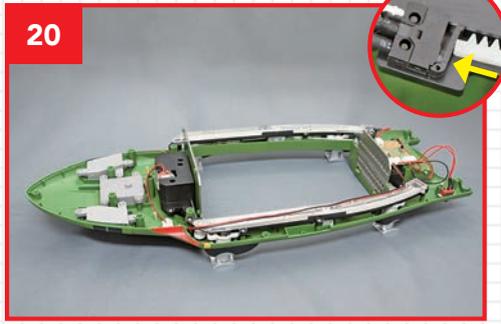


18

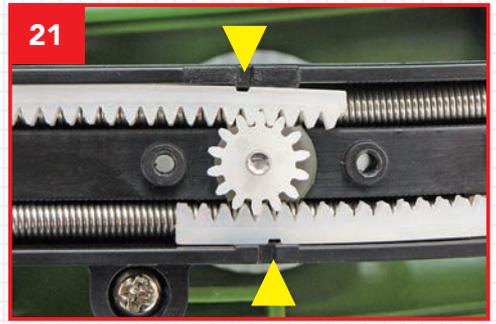
The legs should lift your model up, using the slide gears. It should stop when the upper-limit gear is pressed by the advancing gear-rail rack (inset).



Now press the switch to DOWN.

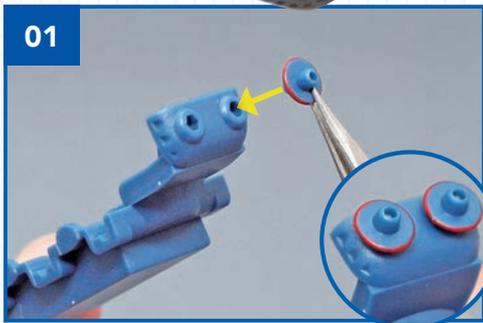
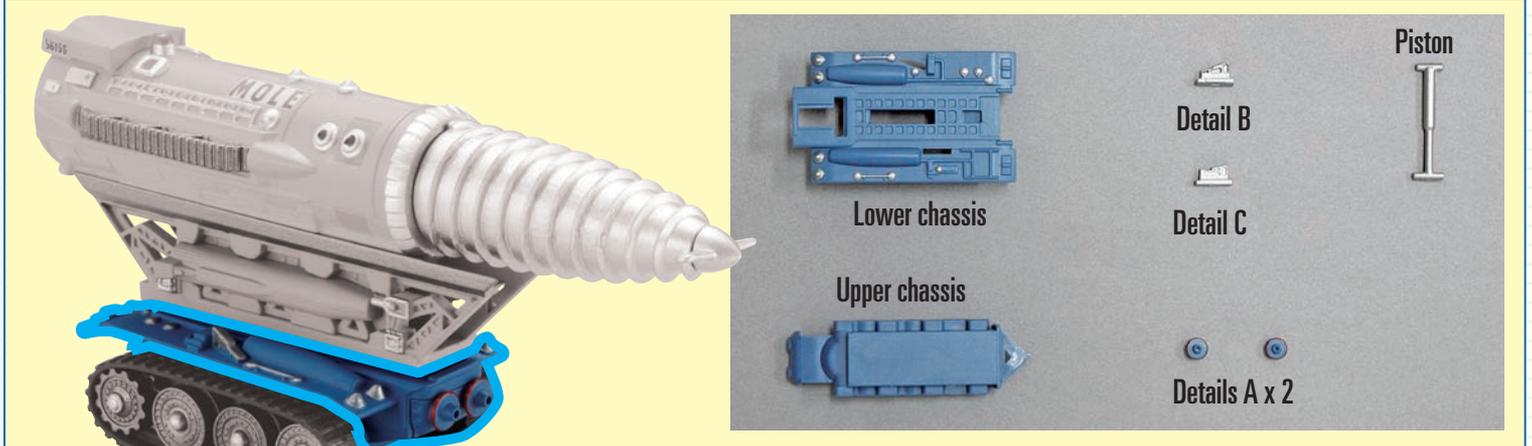


The legs will retract, lowering the model. It will stop when the lower-limit switch is pressed...

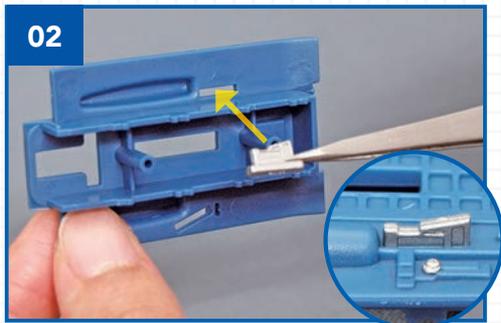


... at which point the notches will return to this position. If anything is amiss, the gears' starting positions as shown here can be reset.

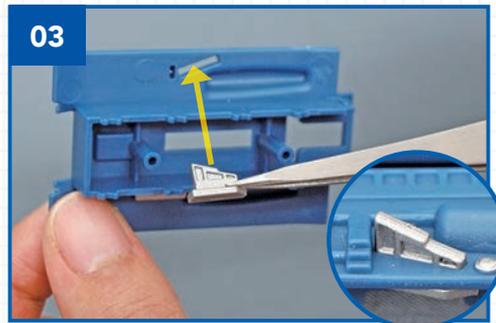
THE MOLE



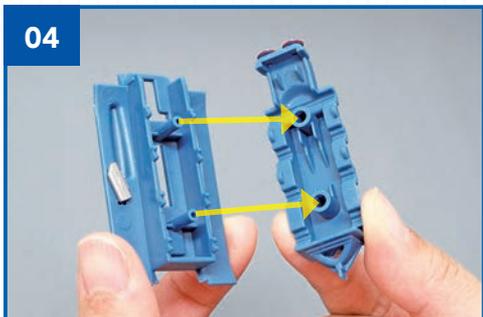
01 Glue both details A here. Unless specified, all parts will be glued.



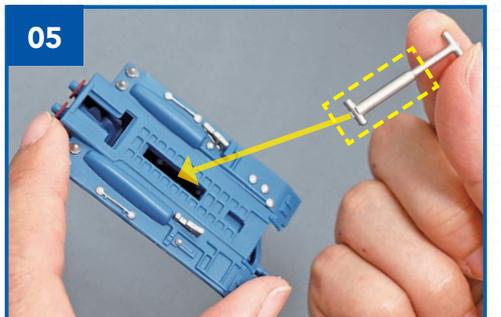
02 Detail C fits through this hole from the underside.



03 Similarly, detail B goes here.



04 Join the chassis parts.



05 Slide the thicker end of the piston into this hole – without glue – then rotate it by 90 degrees.



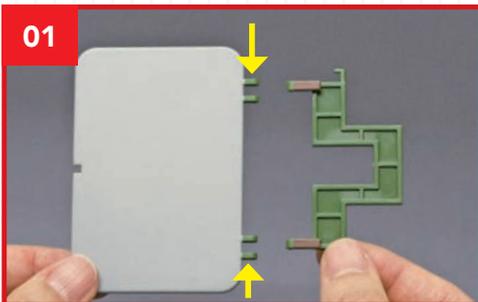
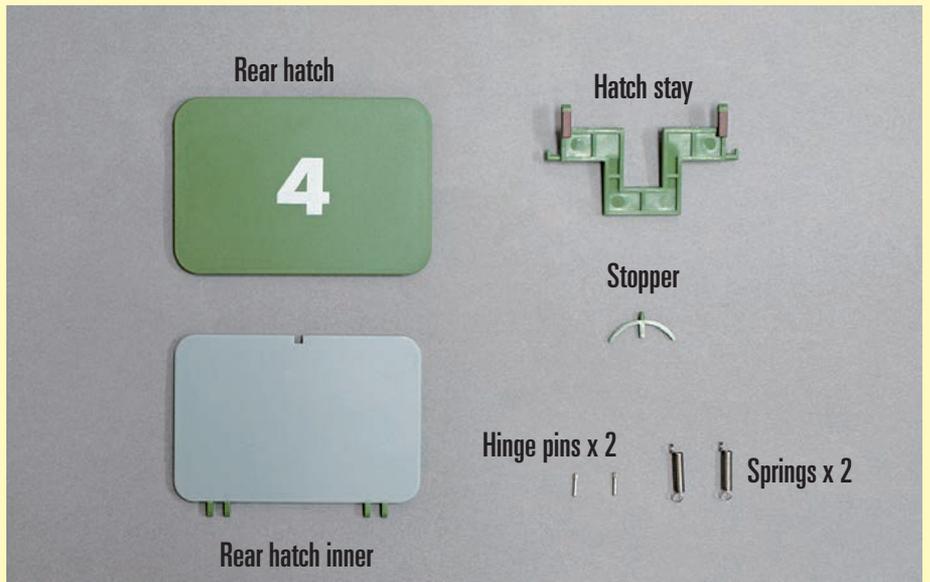


STAGE 48

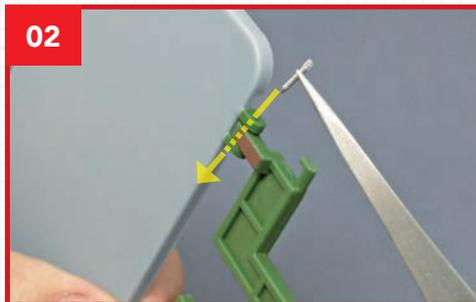
POD 4 REAR HATCH + THE MOLE

YOUR PARTS

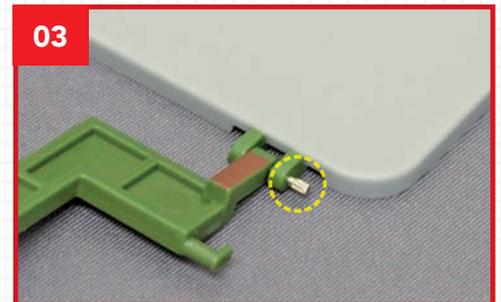
Tools and materials:
Superglue, tweezers



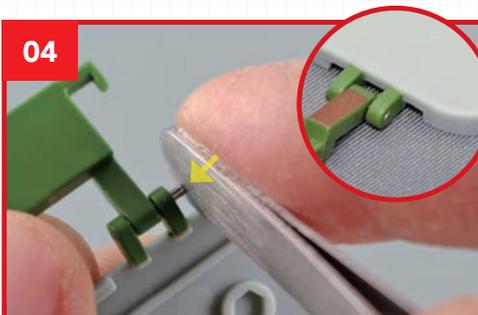
Fit the hatch stay to the rear hatch inner in the same way as you did for the front hatch in Stage 47.



Fit the first pin.



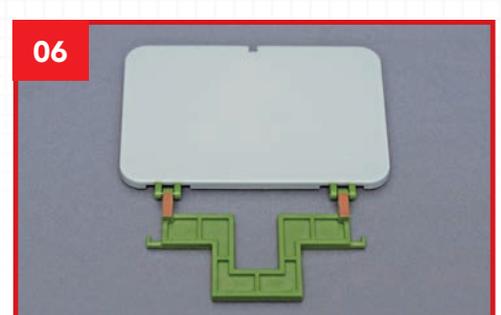
Leave the ribbed tip out.



Now press this into place.



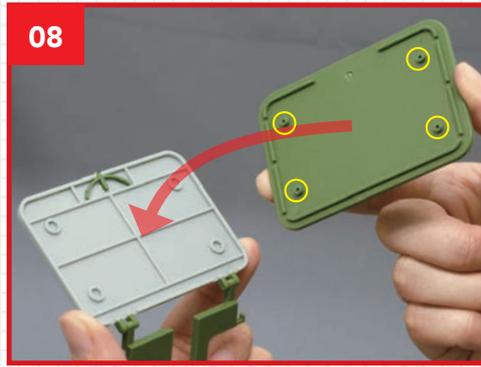
Repeat for the other pin.



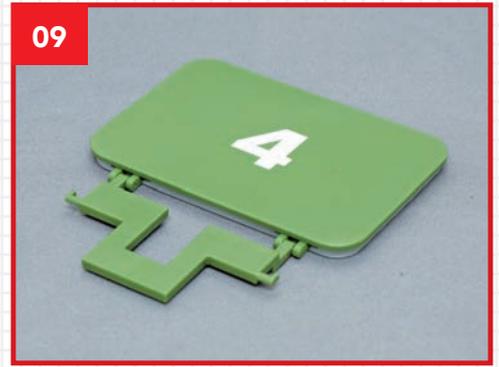
Your assembly should look like this.



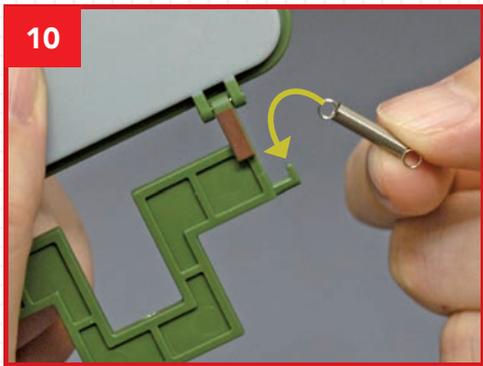
Now fit the stopper.



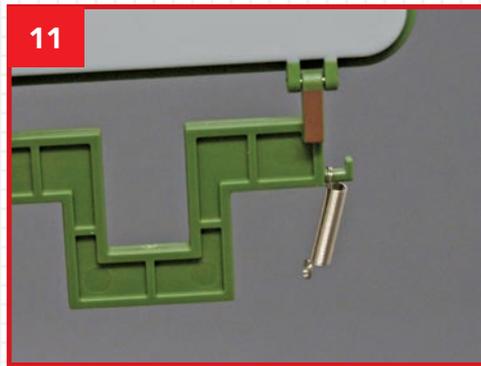
Glue the main rear hatch panel to the inner face as you did before.



Your assembly should look like this.



The first spring fits here.



Fit both springs like this.

STAGE COMPLETE

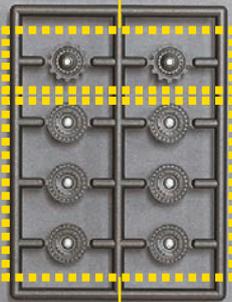


THE MOLE

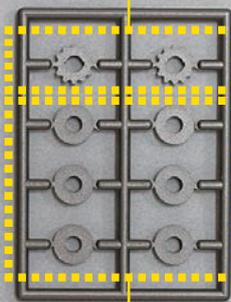
Tools and materials:
Superglue, tweezers

Drive wheels A x 2

Drive wheels B x 2



Wheels A x 6



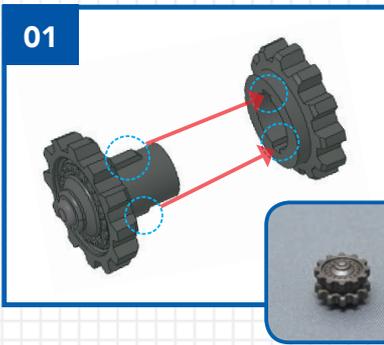
Wheels B x 6

Axles x 4



Tracks x 2





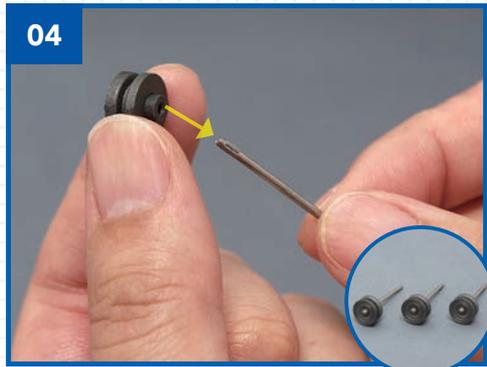
Glue the drive wheels A and B together, as you have done previously.



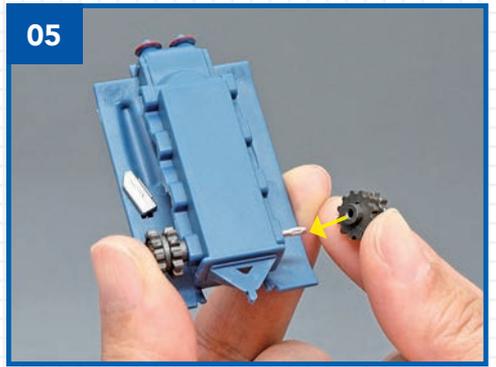
Do the same for all six wheels A and B.



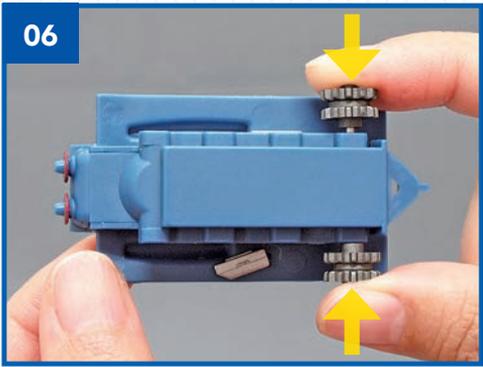
Fit a drive wheel set onto an axle.



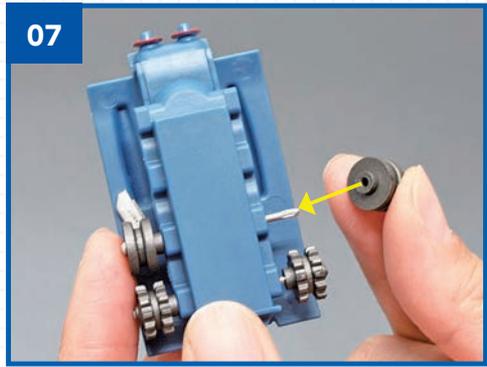
Fit three wheel sets onto the other three remaining axles.



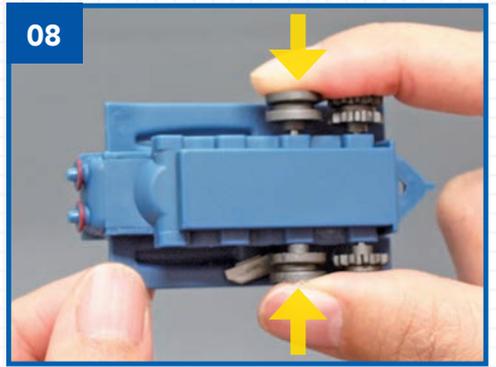
Slide the drive wheel axle through the rearmost hole in the lower chassis, then seal with the other drive wheel set.



Press the parts together.



Repeat for the first wheel axle set.



Seal this in with a free wheel set.



Repeat so all the axles and wheels are fitted to the chassis.



Pull both sets of tracks over the wheels, starting from the drive wheel end.

STAGE COMPLETE



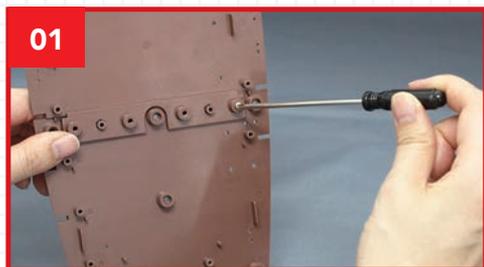
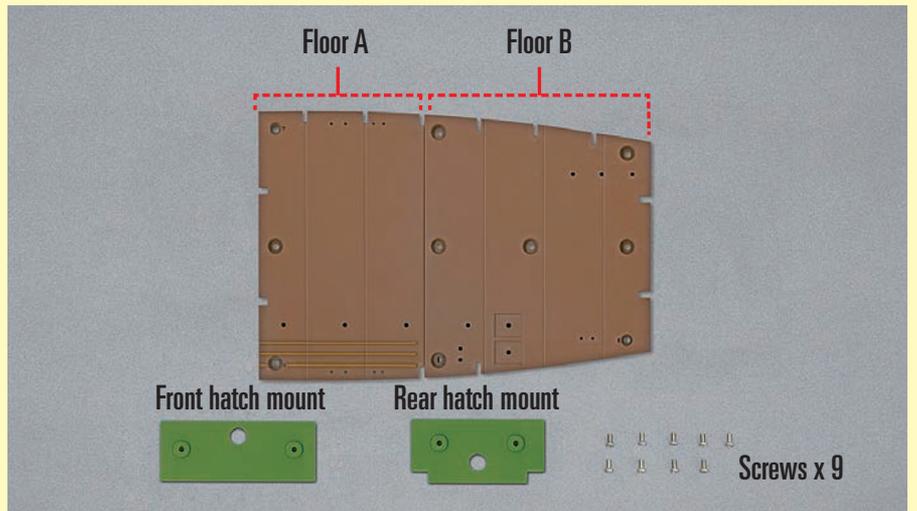
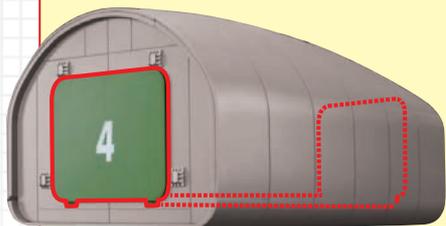


STAGE 49

POD 4 FLOOR + THE MOLE

YOUR PARTS

Tools and materials:
Superglue



Use one of the screws provided to secure floor parts A and B, entering from the underside of the parts (shown).



Use four screws to fully secure them.



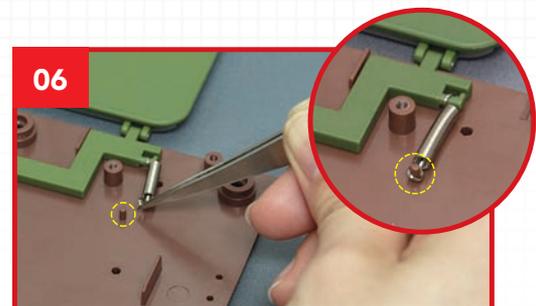
The wider end is the front.



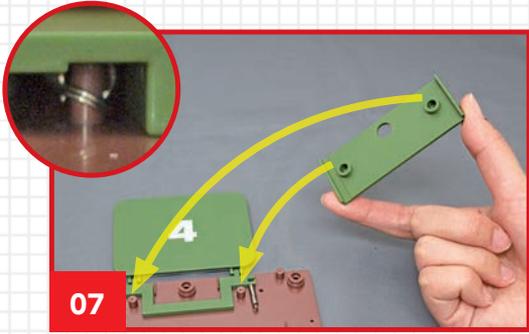
Fit the front hatch assembly to the underside of the floor's front end, via its stay.



Make sure the hinges are flush with the floor's edge.



Hold the hatch in position, then use tweezers to pull both springs over the pins just behind them (circled).



07 Place the front hatch mount over the stay. Make sure the springs remain on their pins (inset).



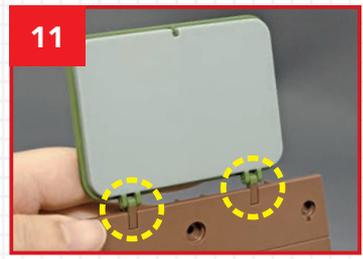
08 Secure with two screws...



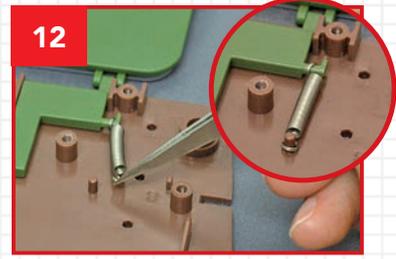
09 ... like this.



10 Now fit the rear hatch, again via its stay and to the underside of the floor.



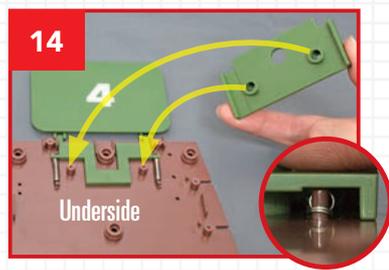
11 Check the hinges are flush...



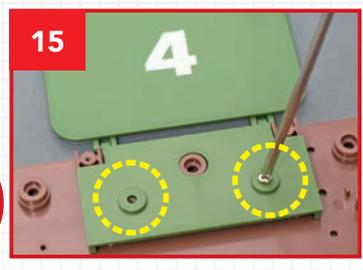
12 ... then fit the springs.



13 Check everything is in place.



14 Now fit the rear hatch mount, again ensuring the springs stay in position (inset).

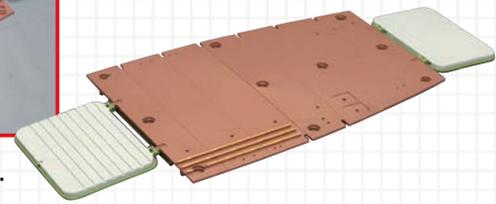


15 Use two more screws to secure it.



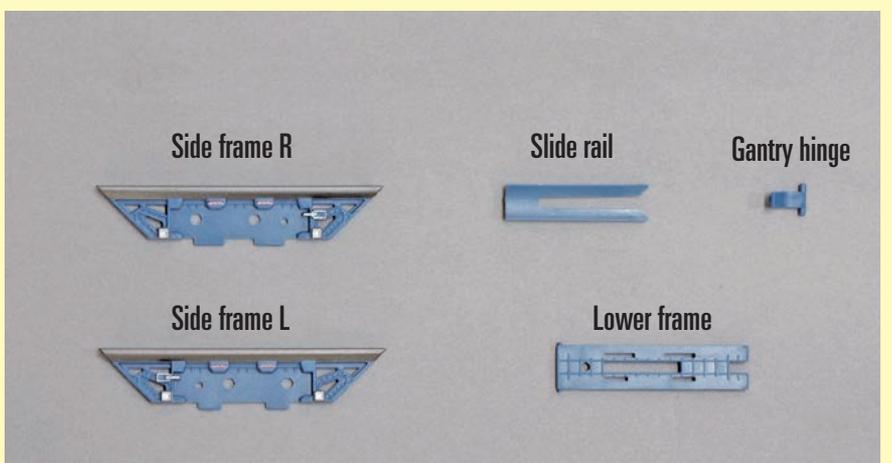
16 That completes this stage.

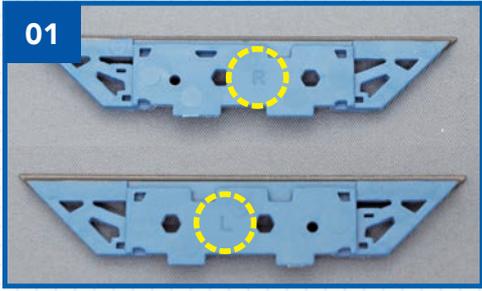
STAGE COMPLETE



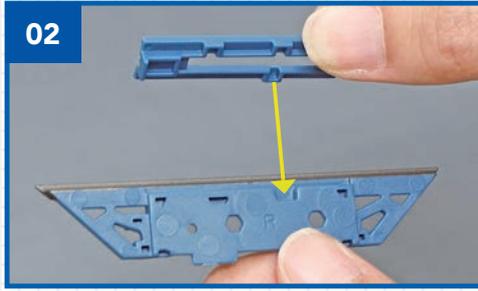
THE MOLE

Tools and materials:
Superglue

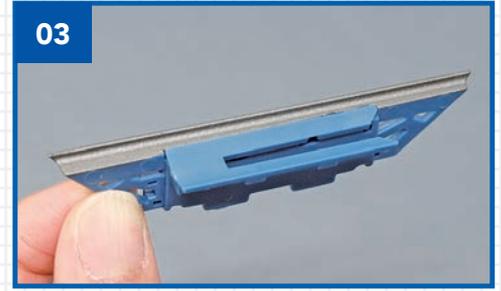




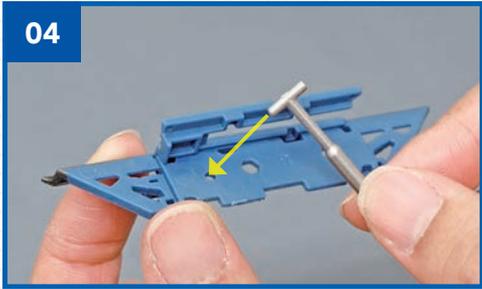
01 Locate the L and R markings on the side frames.



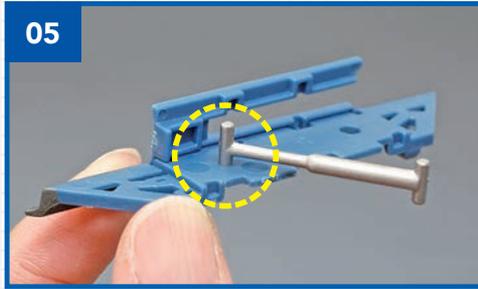
02 Glue the slide rail to this recess on the right side frame...



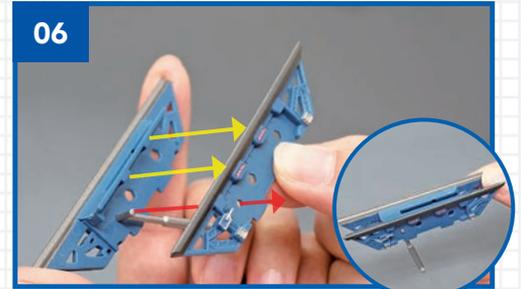
03 ... like this.



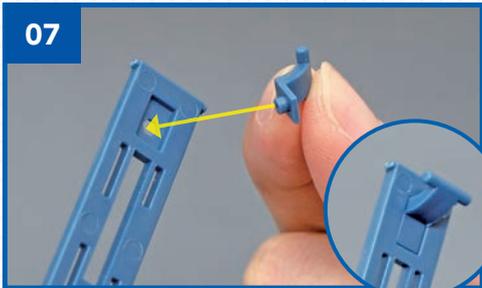
04 Remove last stage's piston and fit its thinner tip into this hole, orienting the parts as shown here. Without glue.



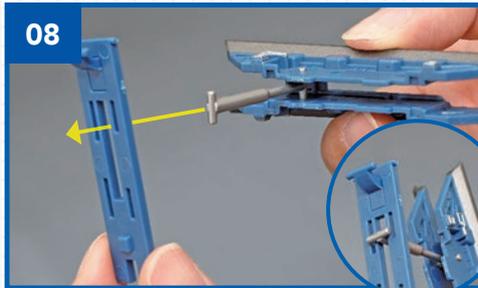
05 It is enough to fit it this far in.



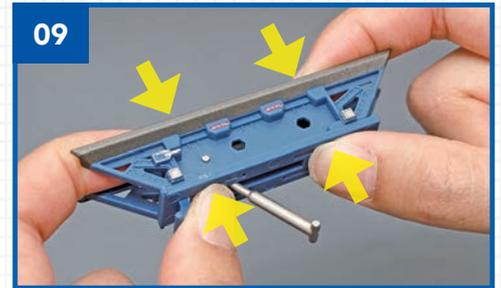
06 Now join the left side frame. Glue the yellow-arrowed tabs, but not the piston, which fits through the holes instead (red arrow).



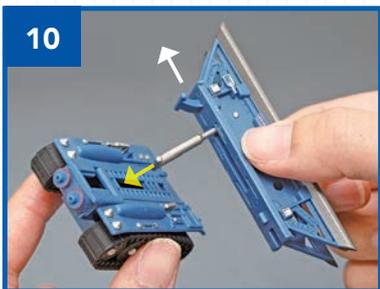
07 Glue the gantry hinge here, on the lower frame.



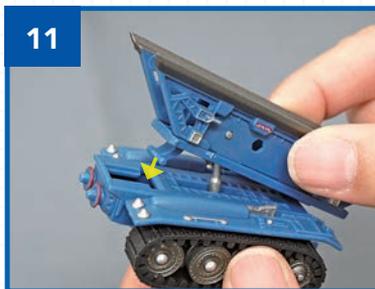
08 Slide the piston through the main slot in the lower frame, then rotate so the parts are in line with each other.



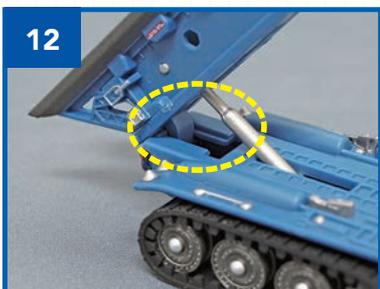
09 Press the parts together like this.



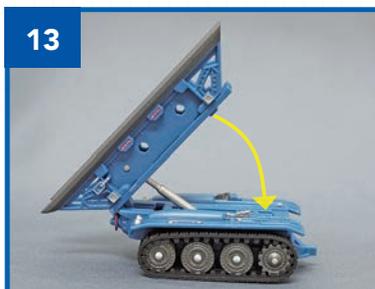
10 Fit the piston back into the chassis. The gantry hinge sits at the front.



11 Rotate the parts so they are in line, then slot the gantry hinge into the arrowed T-shaped hole.



12 Slide the hinge forward.



13 Check that the gantry can lift up and down.

STAGE COMPLETE





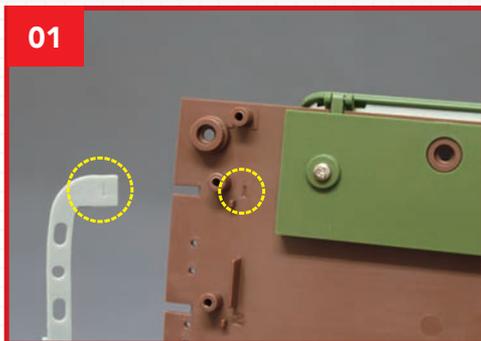
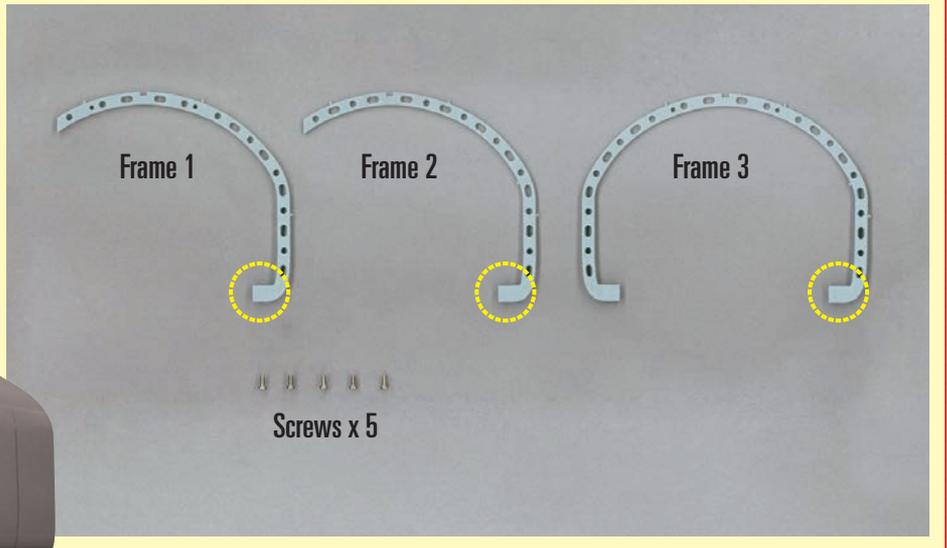
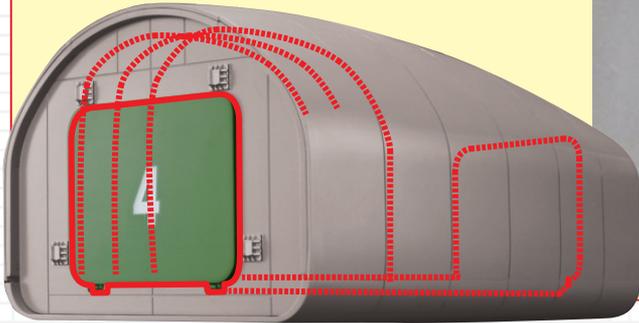
STAGE 50

POD 4 FRAMES

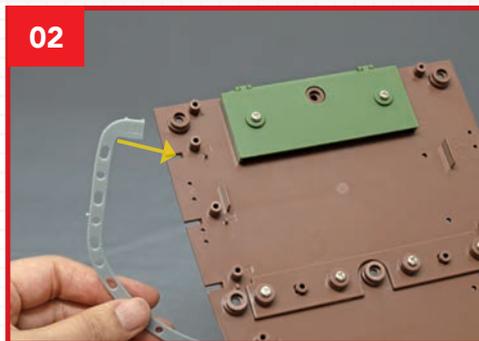
+ THE MOLE

YOUR PARTS

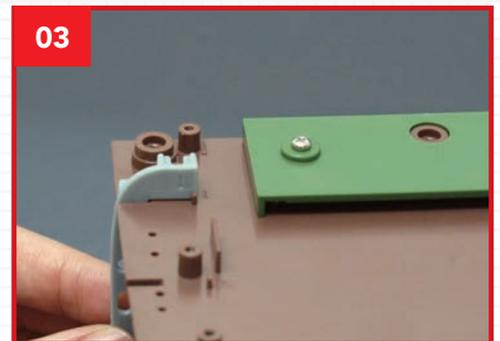
Tools and materials:
Phillips screwdriver



01 Match frame 1 to the number 1 imprinted on the front underside of the Pod 4 floor.



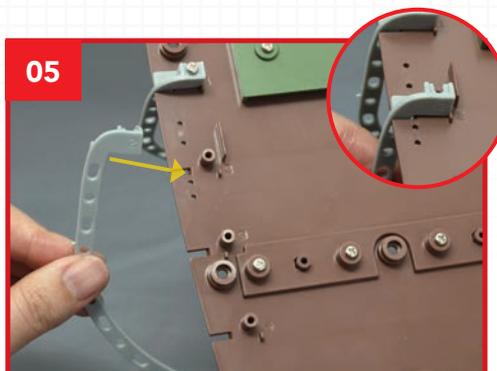
02 Fit the frame into the arrowed slot...



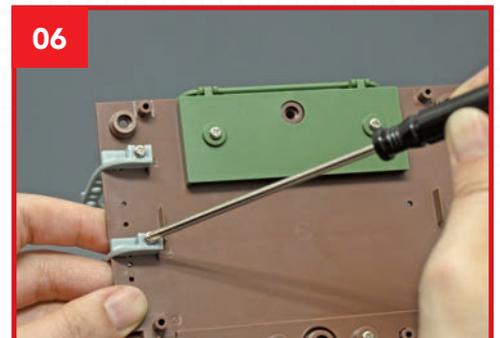
03 ... like this.



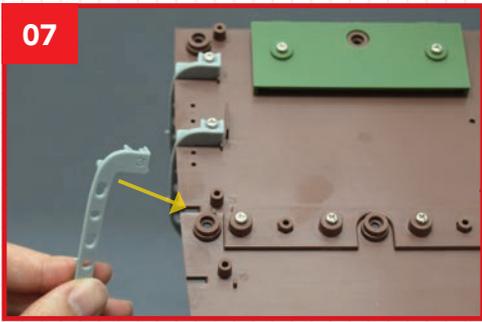
04 Use a screw to secure it.



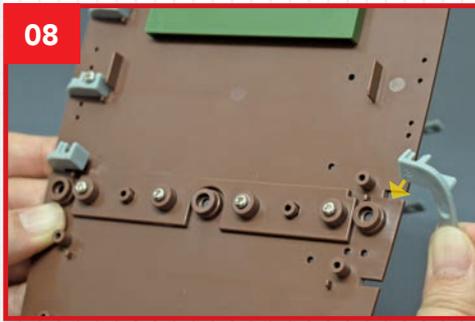
05 Repeat for frame 2.



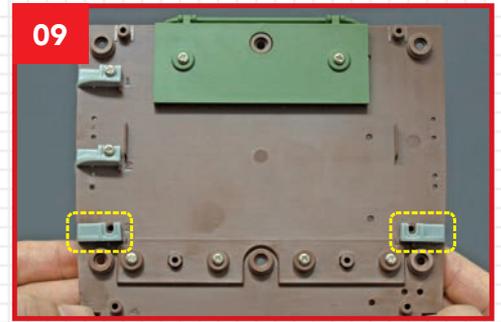
06 Again securing with a screw.



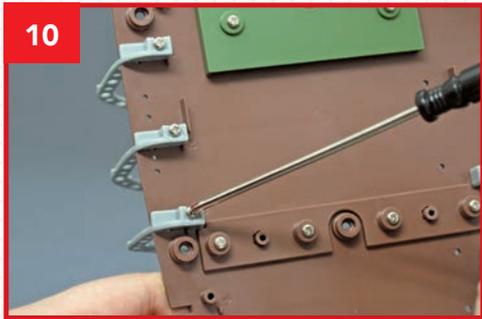
Now fit frame 3 here.



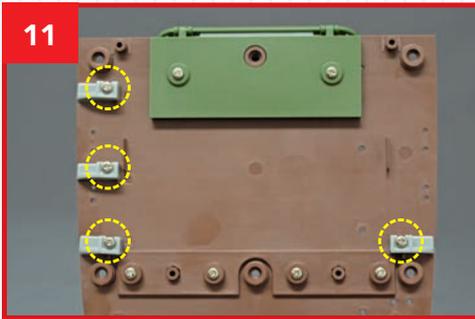
Spread this frame slightly so you can fit its other tip here (arrowed).



The tabs should be level to each other.

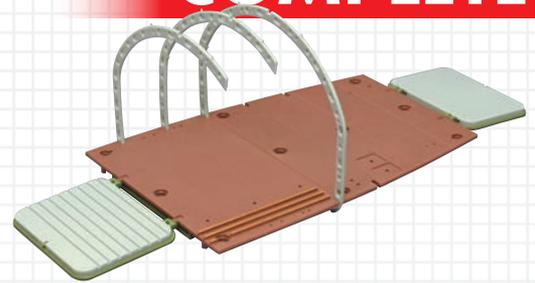


Then screw these in place.



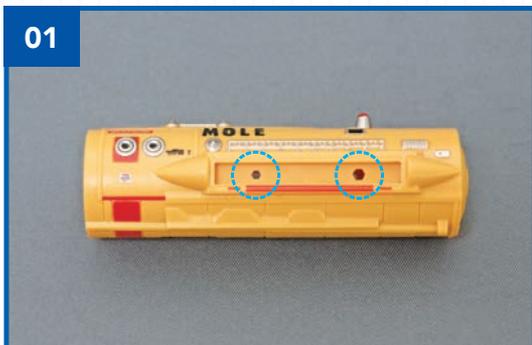
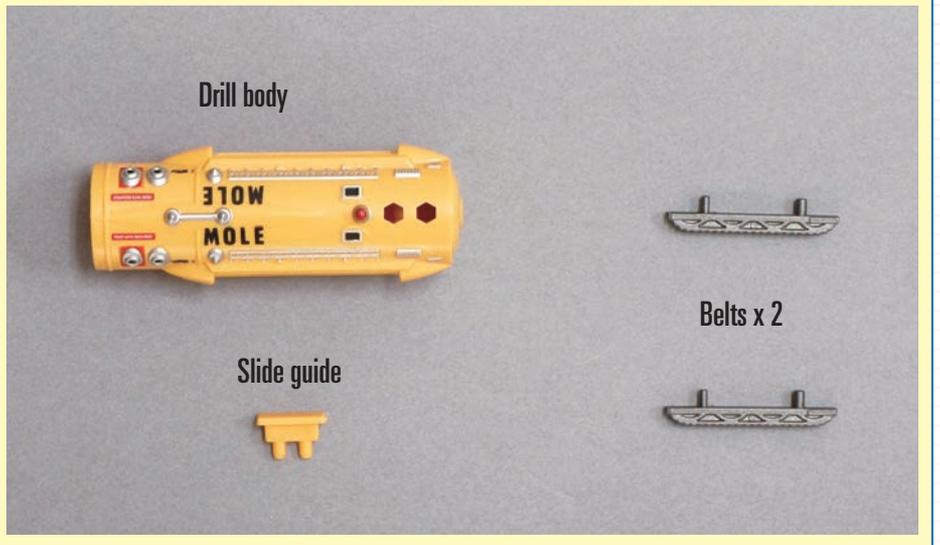
Make sure all four circled screws are secure.

STAGE COMPLETE

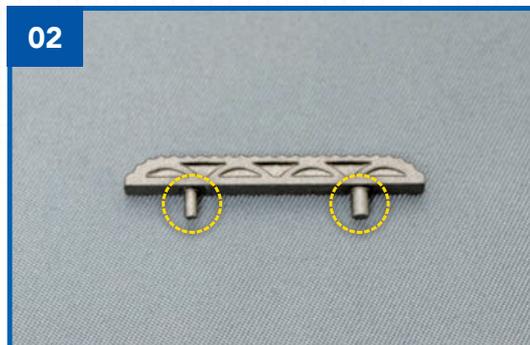


THE MOLE

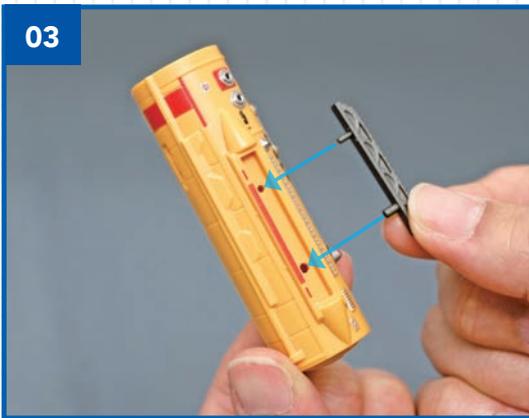
Tools and materials:
Superglue



Note the difference in size between the front and back holes on the drill body.



Similarly, the belts have a small and large pin.



Fit one of the belts to one set of holes...



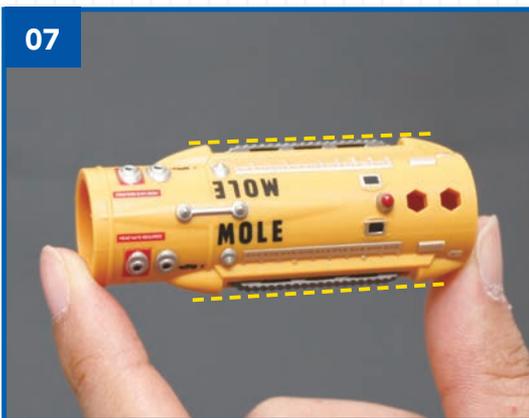
... like this. Use glue on all these parts to secure them.



Then repeat for the other belt...



... like this.



Make sure both parts are seated correctly, and are level with the drill body.



Fit the slide guide here.



That completes this stage.

STAGE COMPLETE

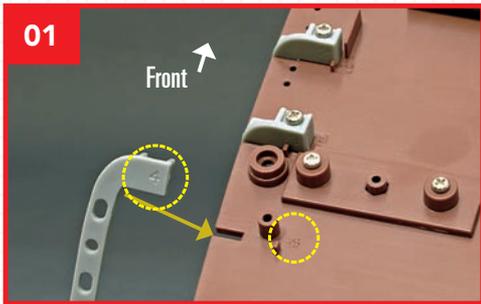
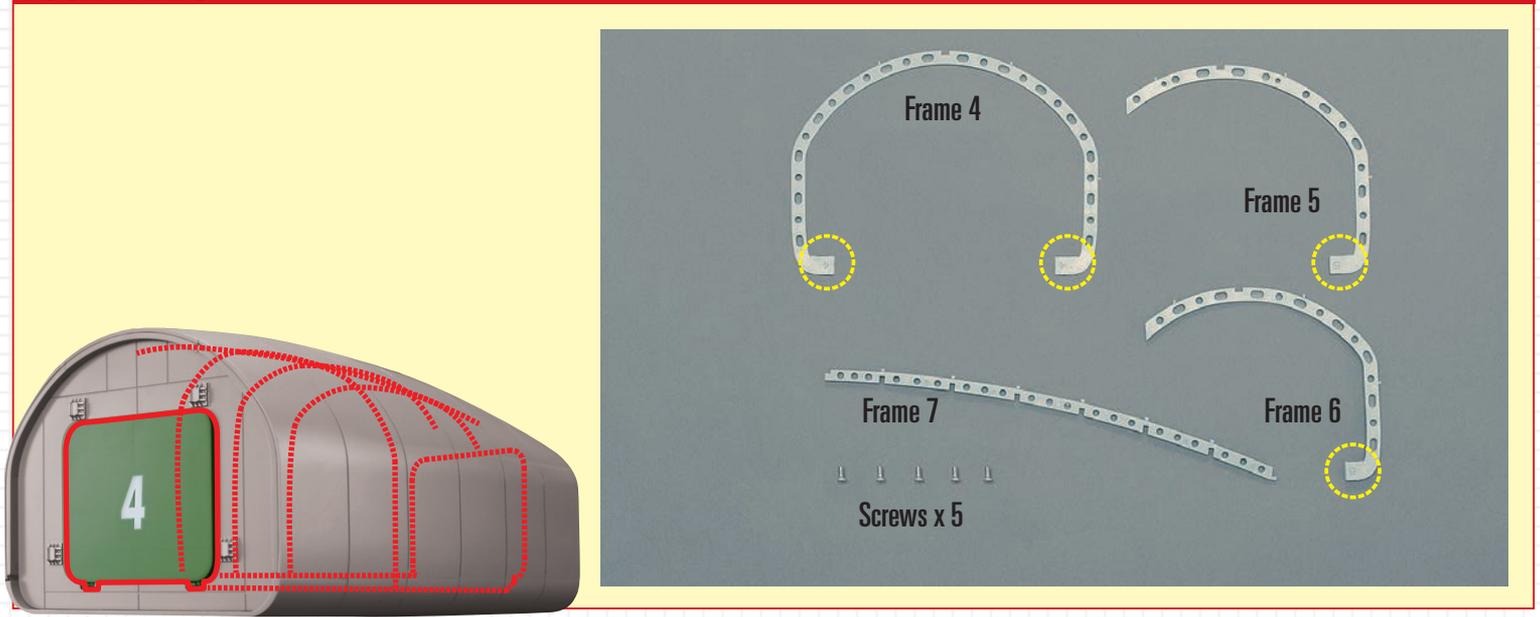




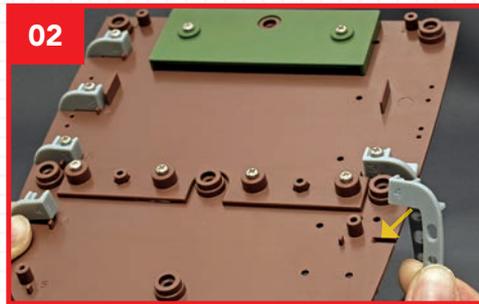
STAGE 51

POD 4 FRAMES + THE MOLE

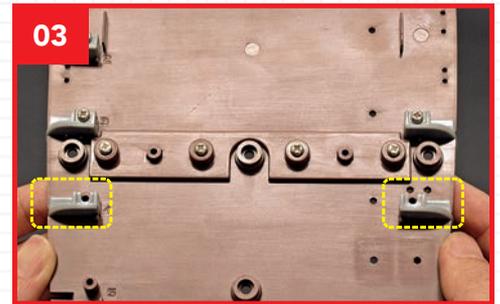
YOUR PARTS



Find the 4 marked on the underside of the Pod 4 floor and line frame 4 up to it.



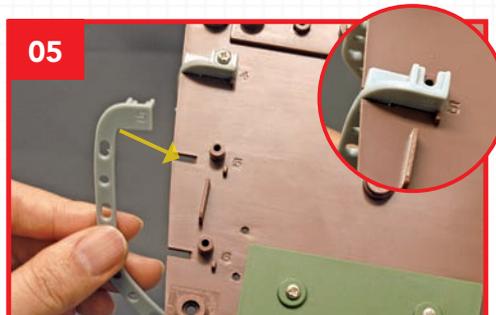
Fit the first tab, then carefully stretch the frame across and fit the other one to the opposite slot.



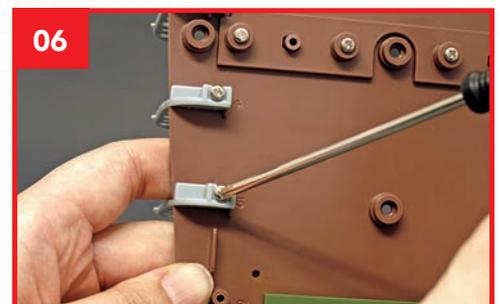
Check both are level.



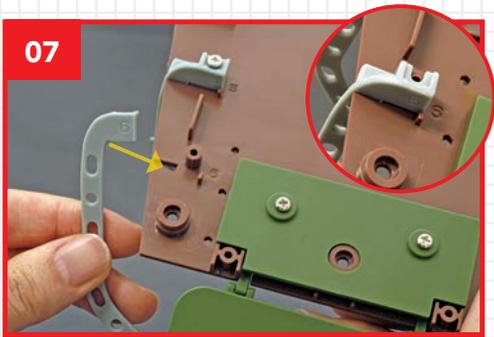
Secure both ends with screws.



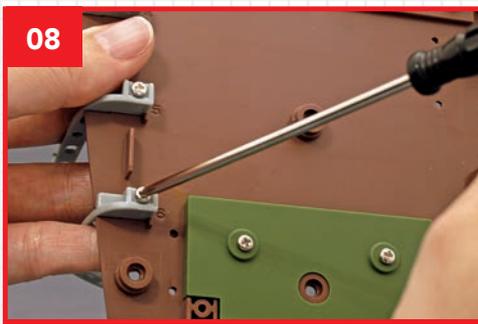
Repeat for frame 5, making sure you face the frame the right way round.



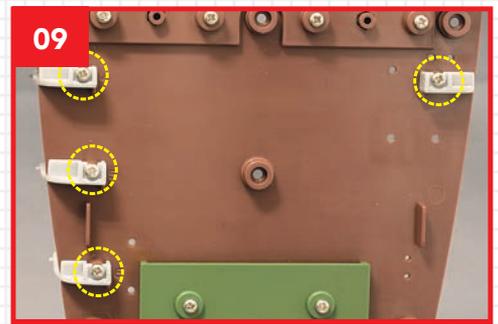
Secure it with a screw.



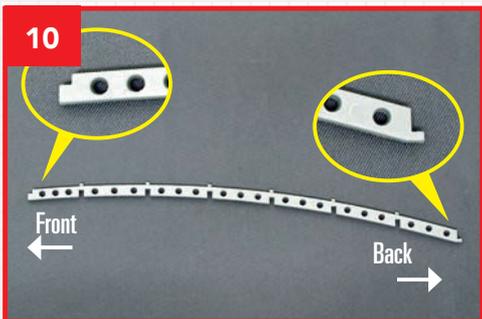
Now fit frame 6.



Secure it with a screw.



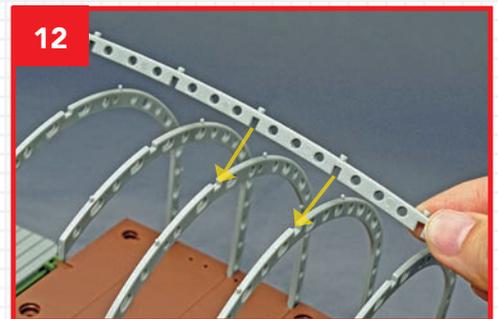
Check all four screws are secure.



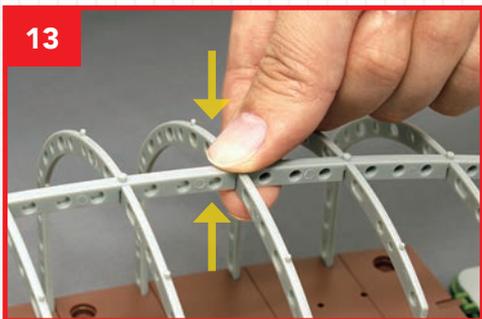
Familiarise yourself with frame 7.



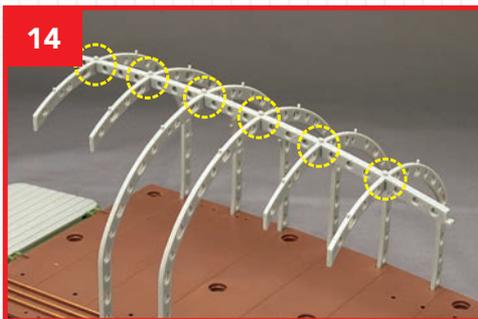
The notches in the underside of frame 7 will fit to the corresponding ones on frames 1-6.



Fit frame 7, starting with frames 3 and 4.



Pinch the joints to make sure they are all secure.



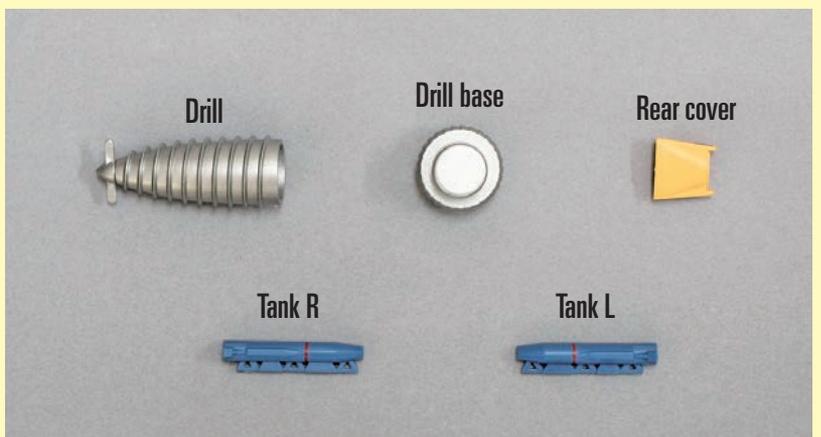
Ensure that all the circled joints fit properly.

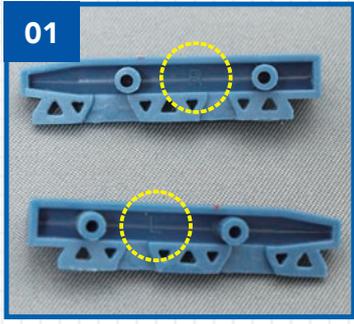
STAGE COMPLETE



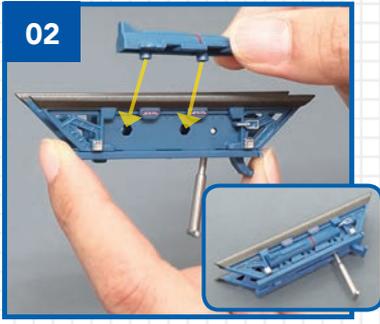
THE MOLE

Tools and materials:
Superglue

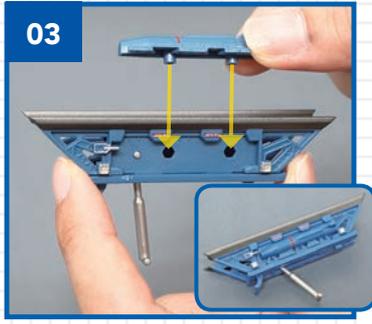




01 Locate the R and L markings on the tank parts.



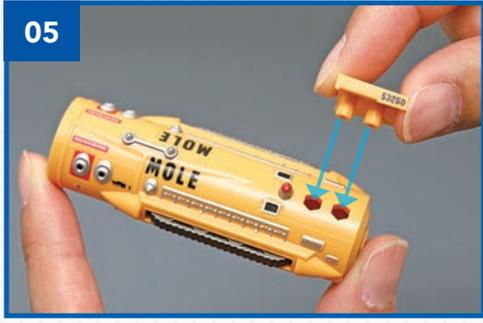
02 Glue the right tank to the right side of the Mole's gantry (which has been removed for clarity), oriented as shown.



03 Repeat for the left.



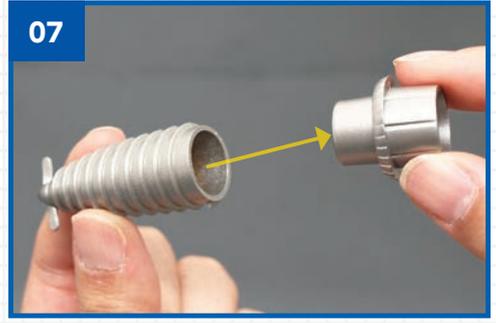
04 Place the gantry back onto the chassis.



05 Fit the rear cover here...



06 ... positioned like this.



07 Join the drill to its base, without glue...



08 ... like this.



09 Now join the drill to the drill body, with a little glue.



10 The drill is complete.



11 Join the drill to this slot in the gantry via its slide guide, then slide it along to fit neatly. Do not glue these parts.



12 The Mole is complete. Check its drill can elevate as shown.



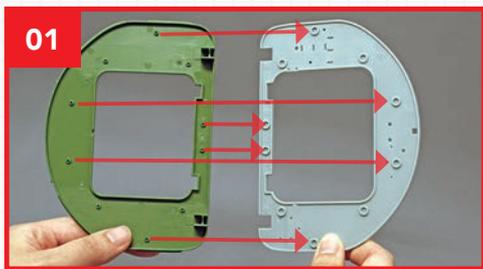
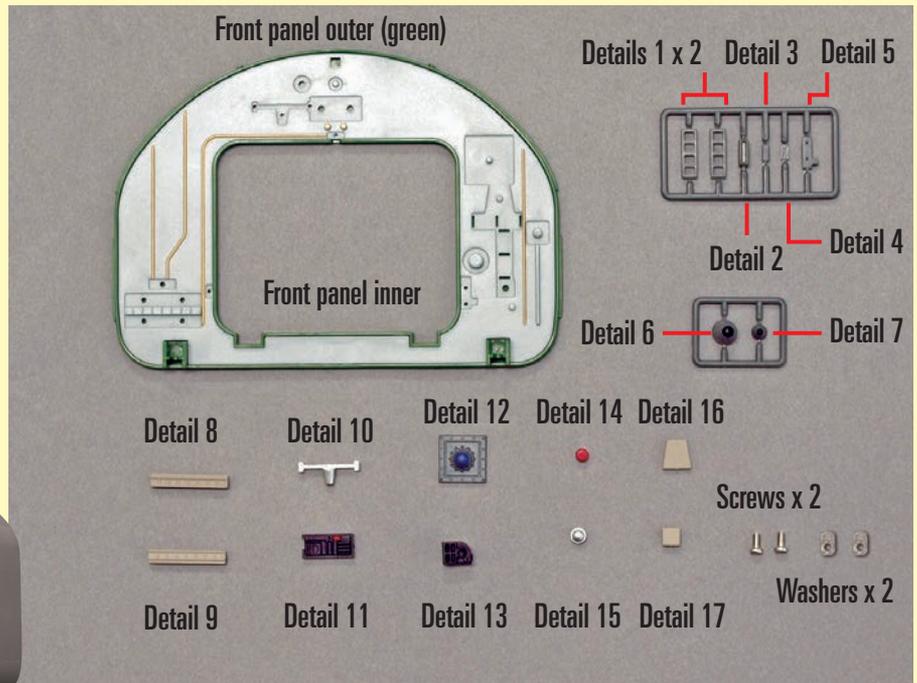
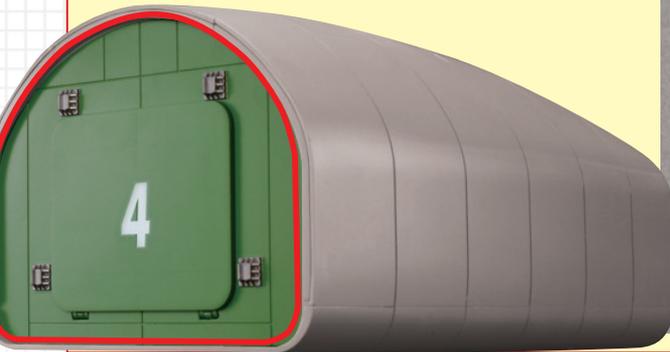


STAGE 52

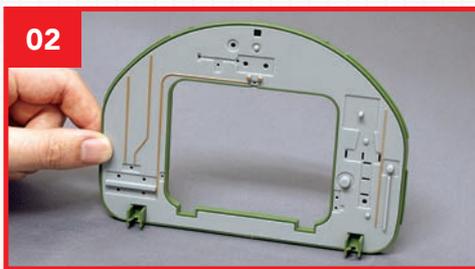
POD 4 FRONT PANEL

YOUR PARTS

Tools and materials:
Superglue, tweezers



The inner and outer parts of the front panel are supplied temporarily fastened to each other. Remove them, add some glue to the arrowed points, then reattach them carefully.



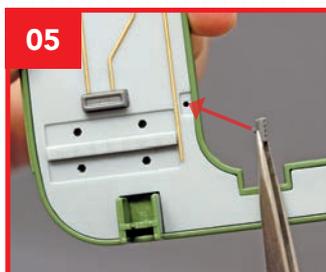
Hold the parts until the glue has dried.



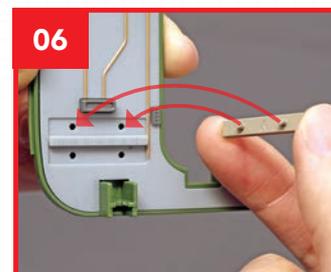
Remove the detail parts supplied on the sprues, then trim any burrs.



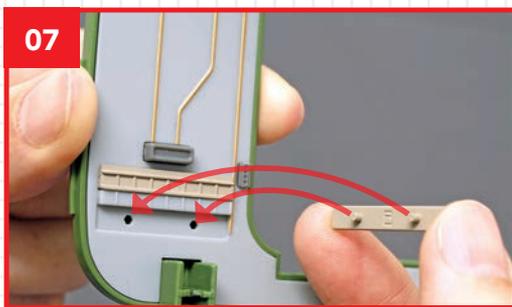
Detail 2 goes here. All details will be glued.



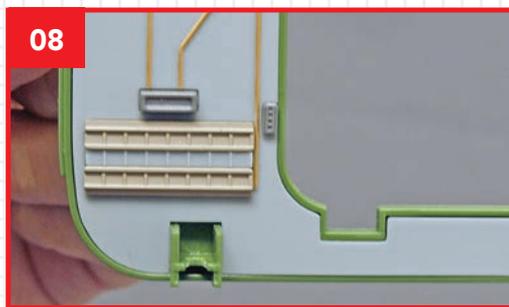
Detail 4 goes here.



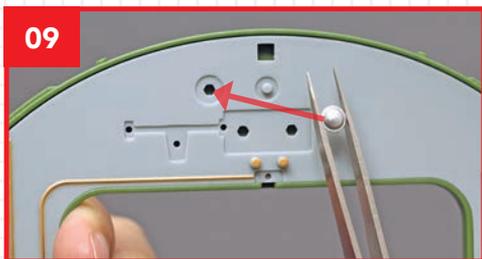
Detail 8 goes here. Make sure it is detail 8, not 9, you select as the parts look similar.



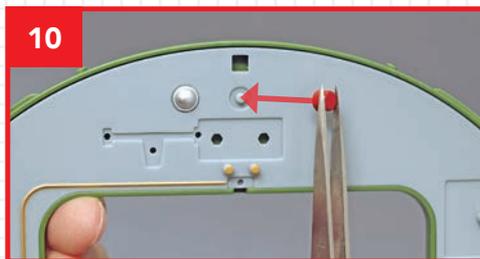
Detail 9 goes here.



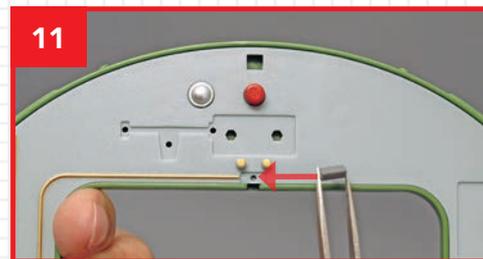
The parts should look like this.



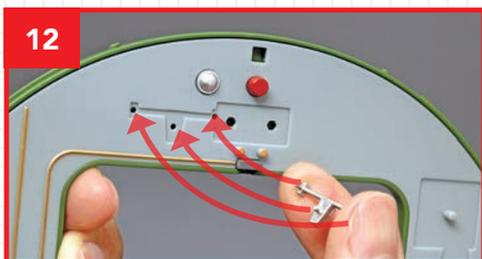
Detail 15 fits here.



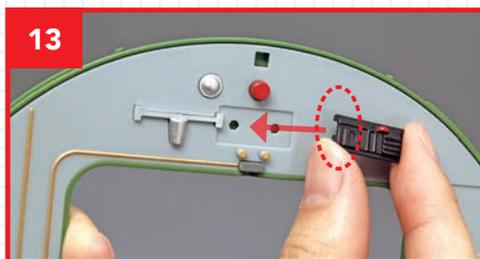
Detail 14 goes next to it.



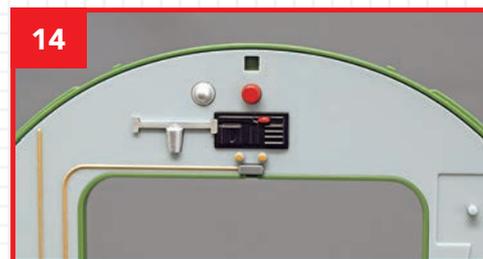
Fit detail 3 here.



Detail 10 goes here. See Step 14 for its correct orientation.



Detail 11 goes here, with the circled recess accommodating the arm of detail 10...



... like this.



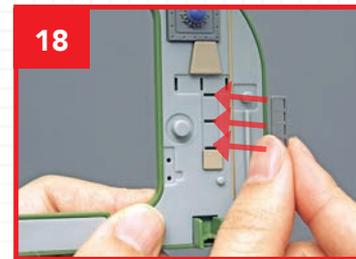
Detail 12 goes here...



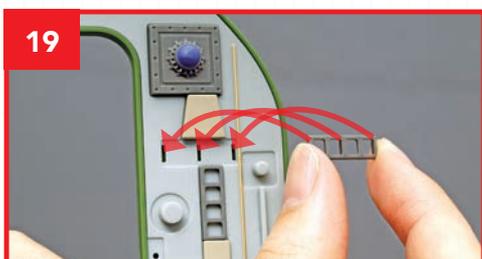
... with detail 16 underneath it.



Detail 17 goes here...



... with a detail 1 above it, positioned vertically...



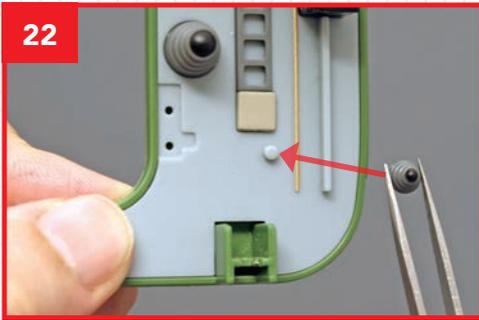
... and the other detail 1 above that, positioned horizontally.



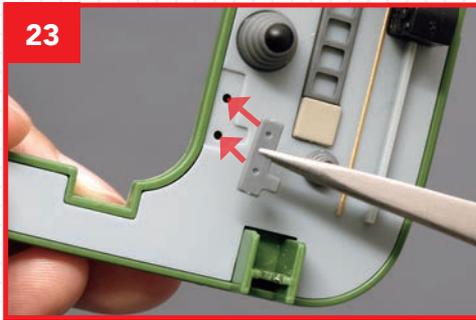
Detail 13 goes here.



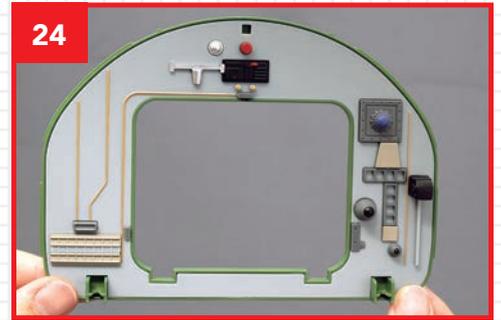
Detail 6 goes here.



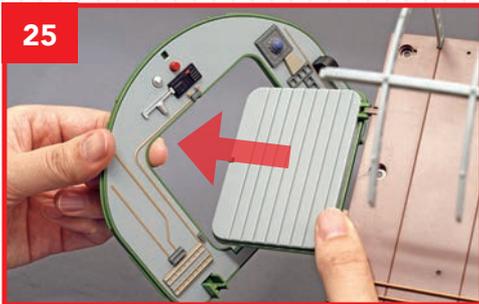
22 Similar, but smaller, is detail 7, which will go here.



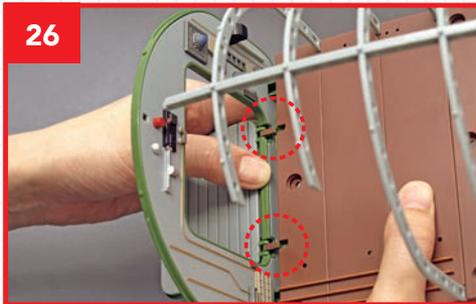
23 Detail 5 goes here.



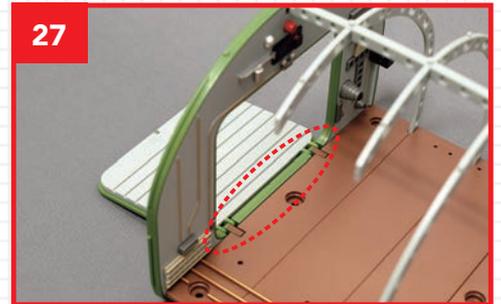
24 The details should look like this.



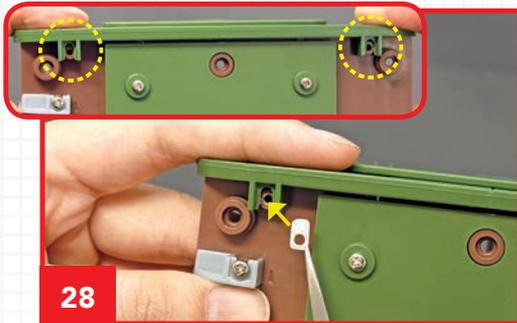
25 Next, slot the front hatch of your Pod 4 assembly through the middle of the pod front panel.



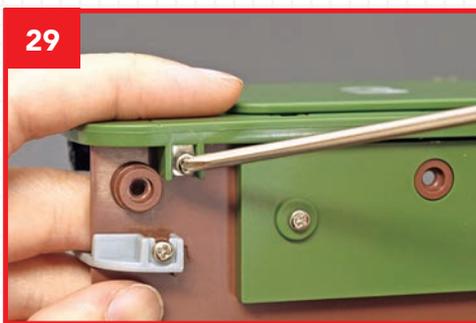
26 Pull the front hatch stay out from the floor a little, and slide the bottom ridge of the front panel in between it and the pod floor, like this.



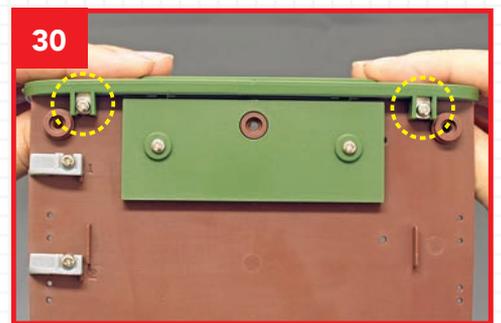
27 Then replace everything in a straight line, flush with the pod floor again.



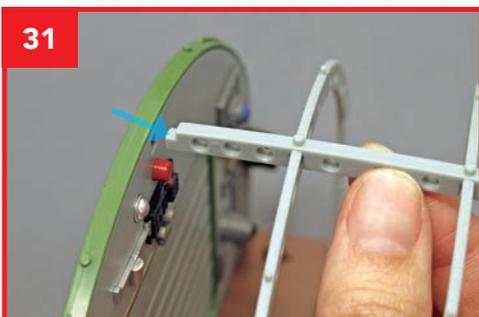
28 Turn the assembly over and place a washer here. Orient the washer as shown, and repeat for both parts.



29 Secure with a screw.



30 And repeat for the other side.



31 Dab a little glue onto the arrowed tab, at the front of the longitudinal frame.



32 Fit this tab into the hole in the inner front panel and hold until the glue dries.

STAGE COMPLETE

