LUX™

Building Genius!

120 Piece Advanced Pack Instructions
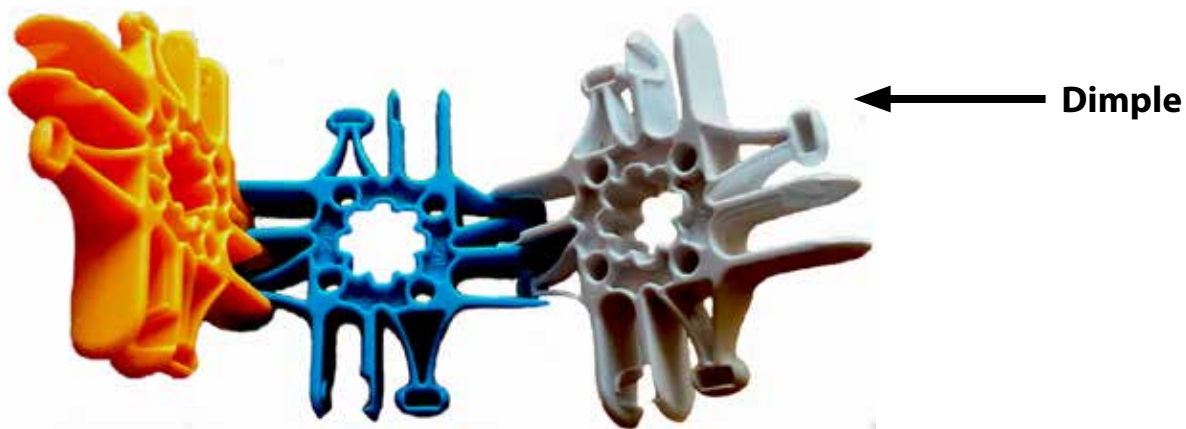
Airplane

Formula Racer

For more ideas, check out our "how-to" videos at www.luxblox.com!

Getting started with Lux™

Here are a few of the things you'll want to know about Lux™ before getting started. For more ideas, or if you prefer to watch a "how-to" video, please visit our website at **www.luxblox.com**.

Dimples

The dimples are the rectangle-shaped cavities on the egg-shaped connector. One thing to keep in mind when building with Lux™ is to be consistent with the direction your dimples are facing. Make sure all the dimples are facing the same direction - either all 'in' or all 'out' , so they will all connect to each other. Otherwise, you may need to go back and remake parts.

← **Dimple**

The Egg Goes in the Nest

When connecting Lux™, simply push the connectors together so each egg-shaped part goes into each U-shaped "nest" and the Lux™ will snap into place. Once it snaps, it becomes a strong hinge with 240 degrees of rotation.

Go to **www.luxblox.com** to learn more and see what others are building with Lux™!

Unsticking your cube

If you make a Lux™ cube, you will discover that it is not easy to take it apart. It is very easy to solve this by just inserting a pencil or dowel rod into the hole of a Lux™ and prying open your cube.

Parts List for Advanced Pack

Square Wheels
Black Qty - 4

Rubber Bands
Qty - 4

Squares White
Qty - 50

Axles Black
Qty - 4

Squares Red
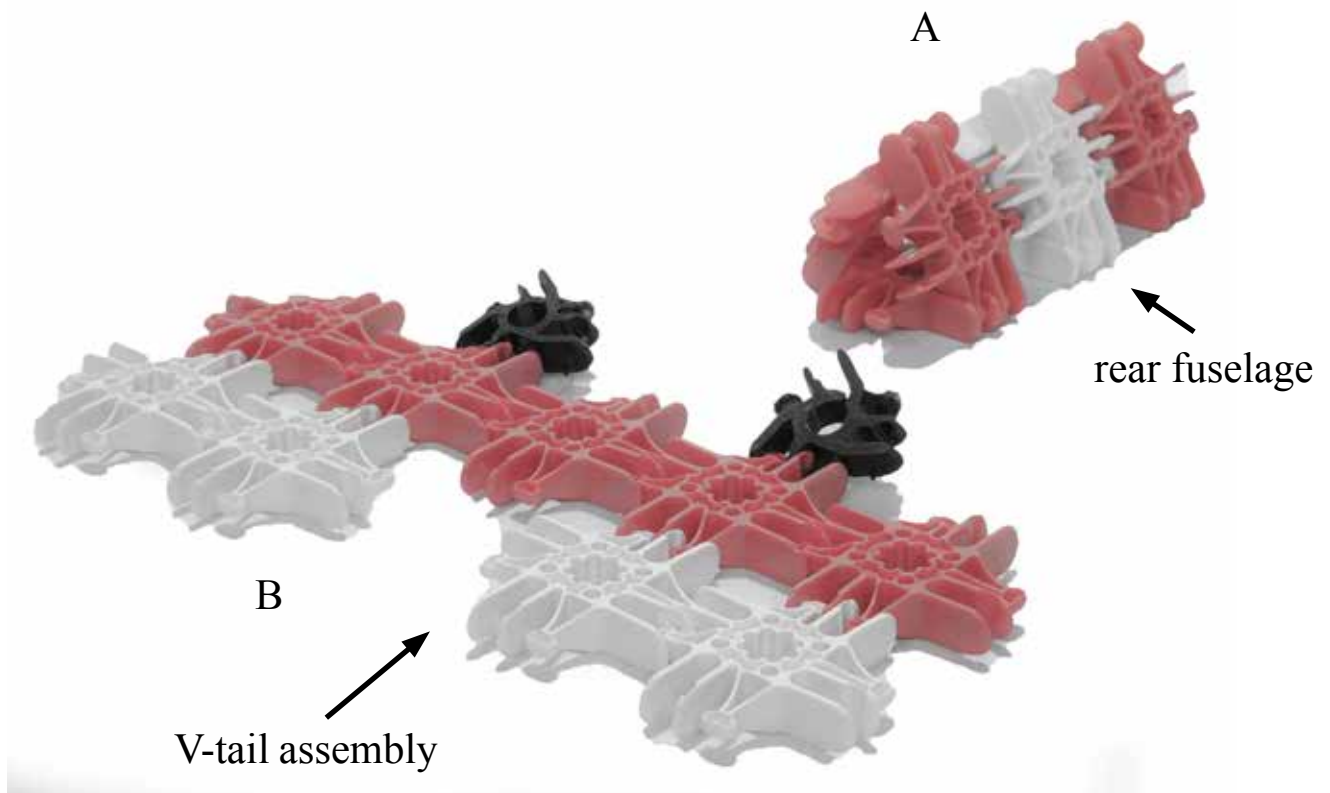Qty - 46

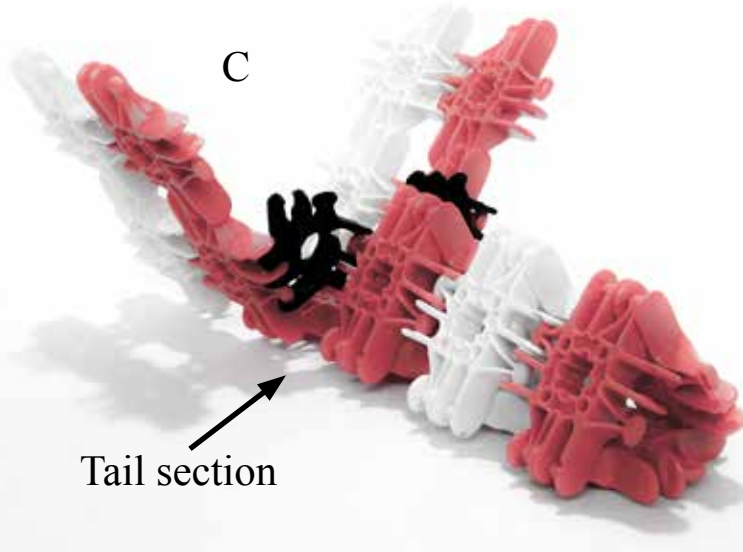Trigons Black
Qty - 12

Airplane

Step 1

Tail Section Assembly: Create the rear body of the airplane (fuselage) by making two red prisms and one white prism (A). Then create the V-tail assembly by connecting a strip of five red squares to two strips of white squares and two black trigons (B).
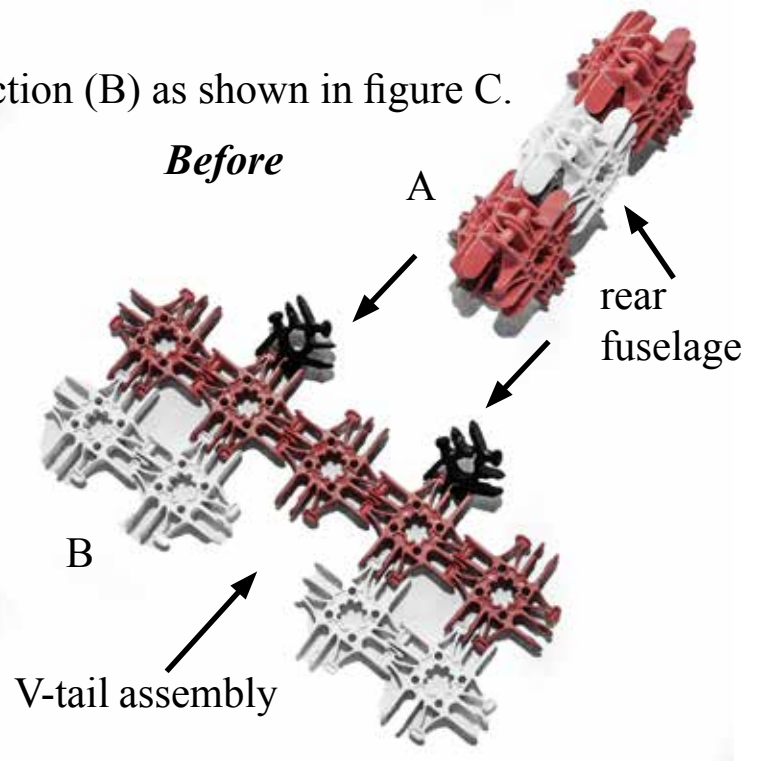
A

rear fuselage

B

V-tail assembly

Step 2

Attach the rear fuselage (A) to the tail section (B) as shown in figure C.

After

C

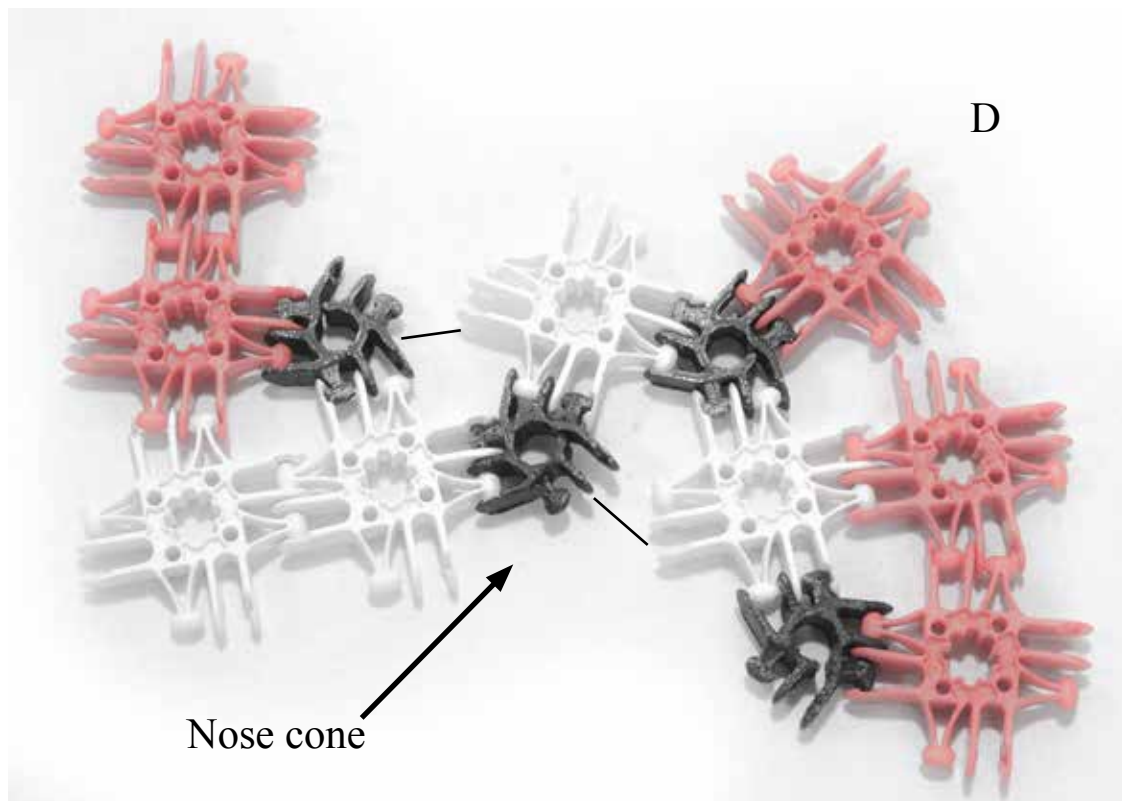Tail section

Before
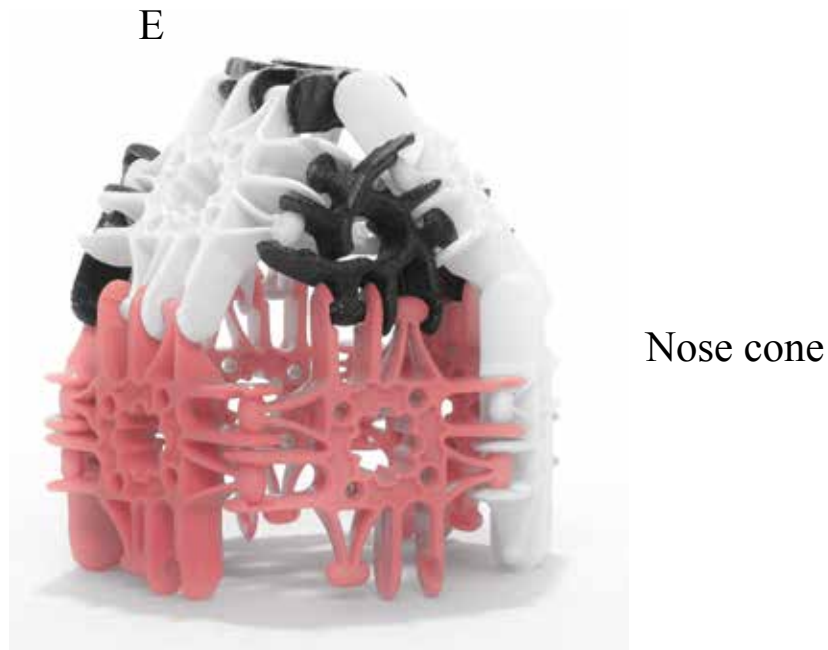
A

rear fuselage

B

V-tail assembly

Step 3

Create the nose front section of the fuselage by connecting five red squares, four white squares and four black trigons as shown in figure D below.
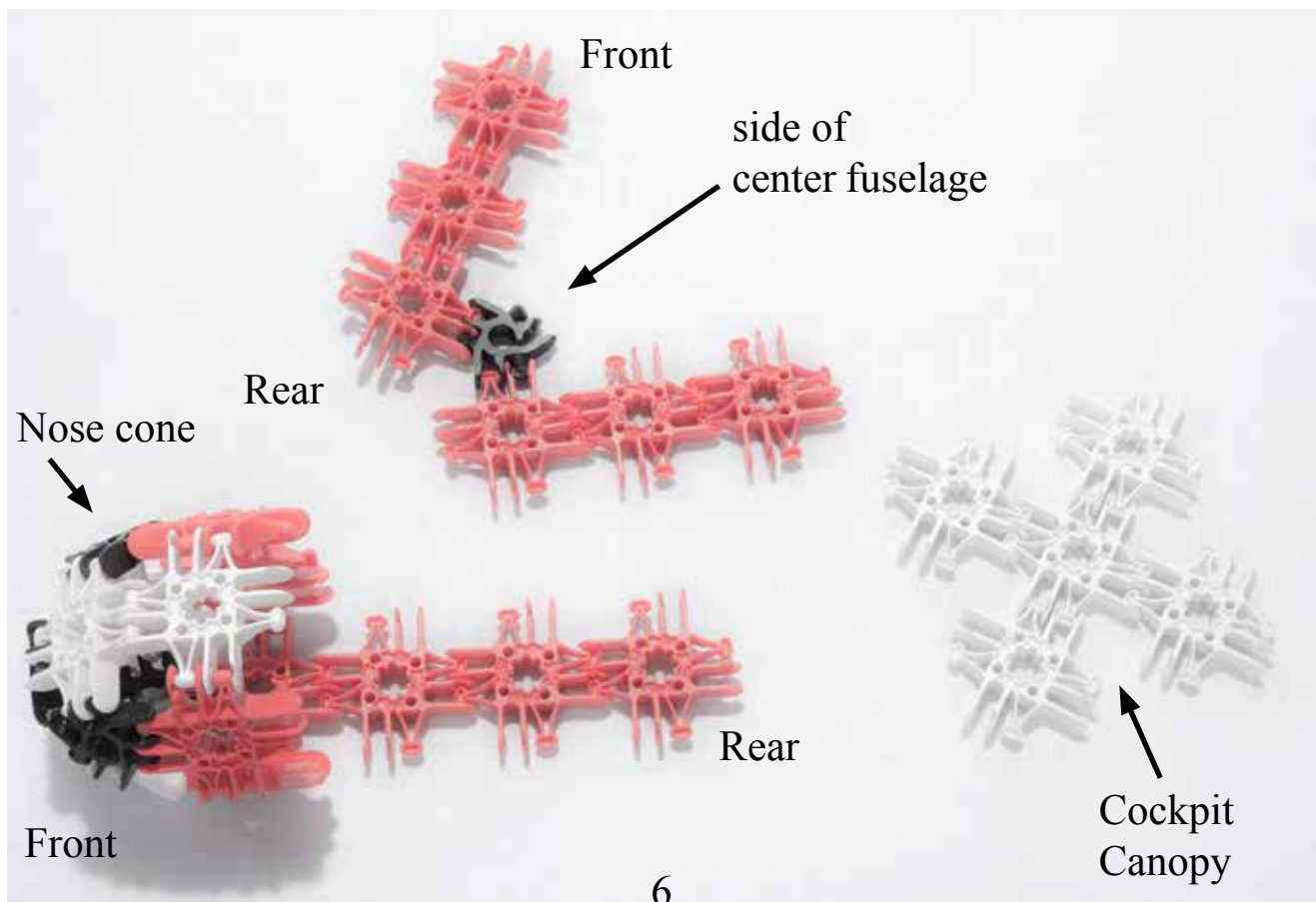
D

Nose cone

Step 4

Attach the white squares to the black trigons to create the nose cone of the fuselage (E).
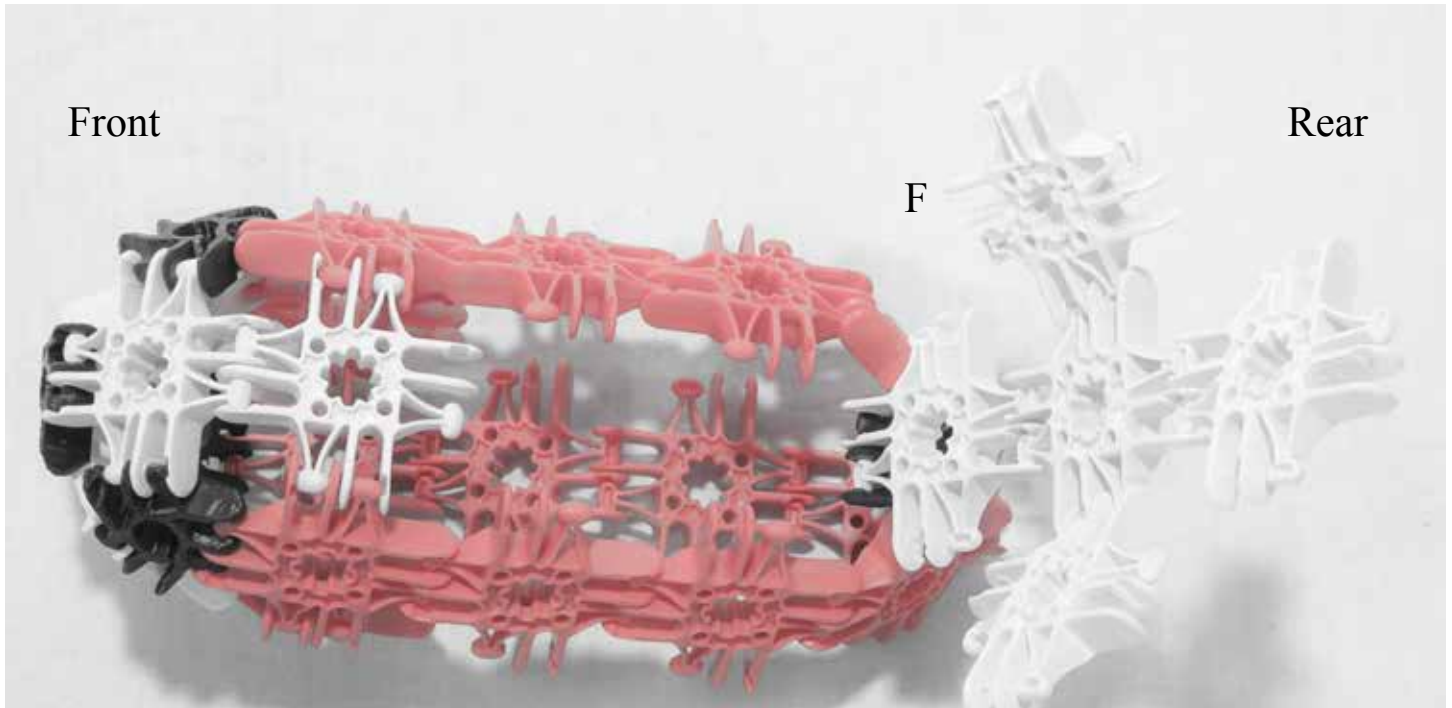
E

Nose cone

Step 5

Attach two strips of three red squares to a black trigon to create the sides of the center portion of the fuselage. Add a strip of three red squares to the bottom of the nose cone. Connect five white squares for the cockpit canopy.
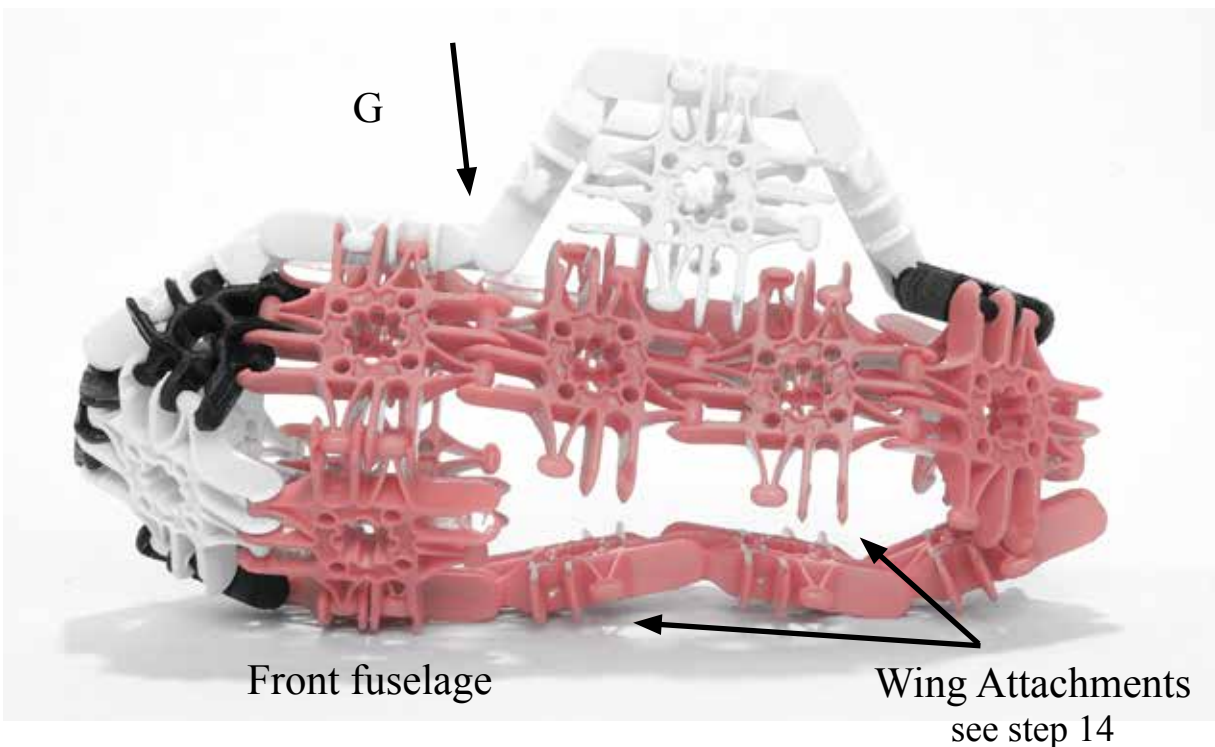
Front

side of
center fuselage

Rear

Nose cone

Nose cone

Front

Rear

Cockpit
Canopy

Step 6

Attach the sides of center fuselage to the nose cone. Attach the canopy to the black trigon on the rear of this section as shown in F.

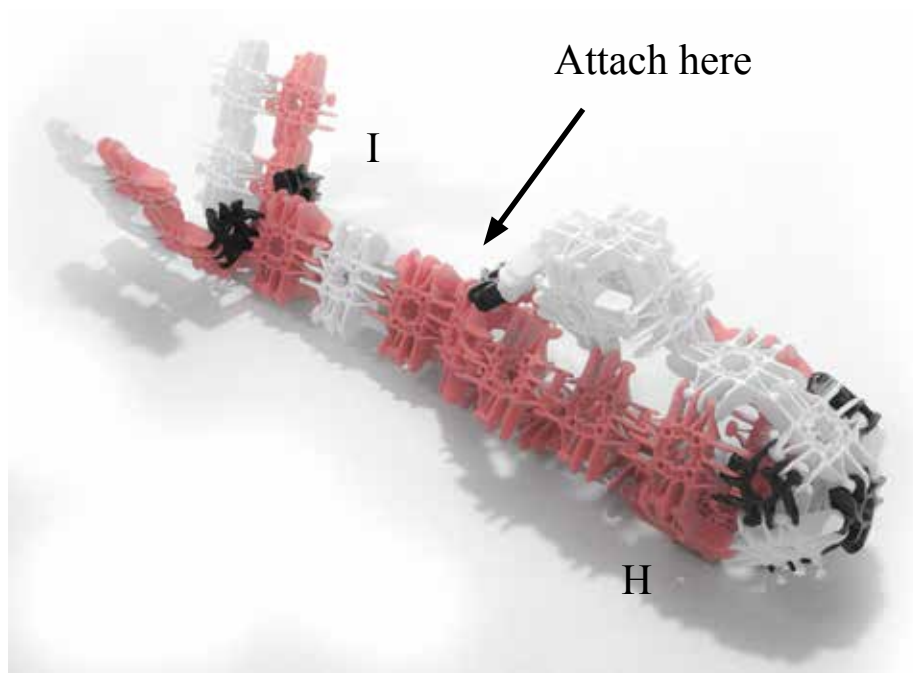Front   Rear

F

Step 7

Finish attaching the front of the canopy to the white square on the top of the nose cone (G). The side squares of the canopy remain free to open and close.

G

Front fuselage   Wing Attachments
see step 14

Step 8

Attach the front fuselage (H) to the tail section (I).
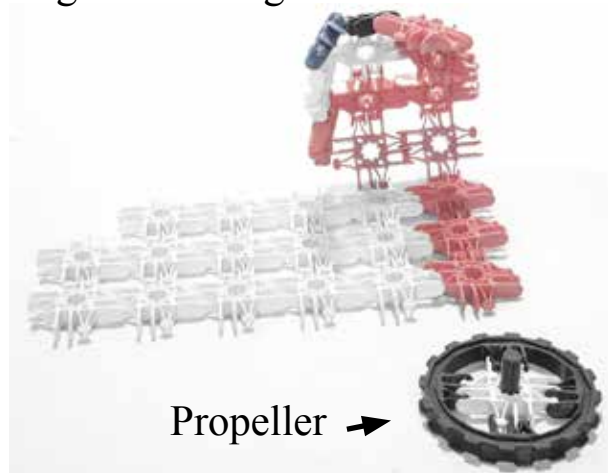
Attach here

I

H

Step 9

Making the right wing first, lay out the red and white squares and trigons as shown on the right.

Step 10

Next, begin to curl up the end of the wing section with the trigons to create the engine housing as shown below.
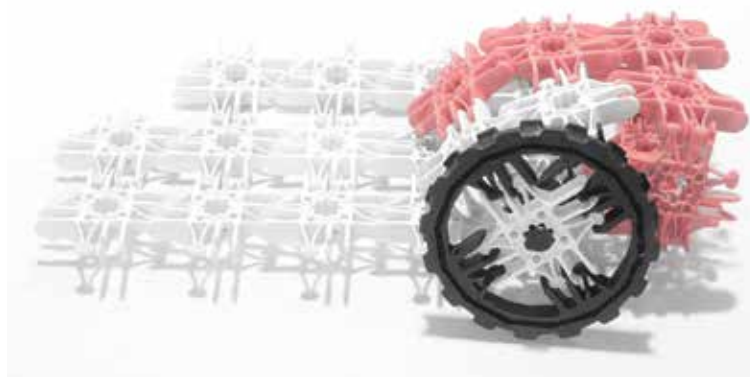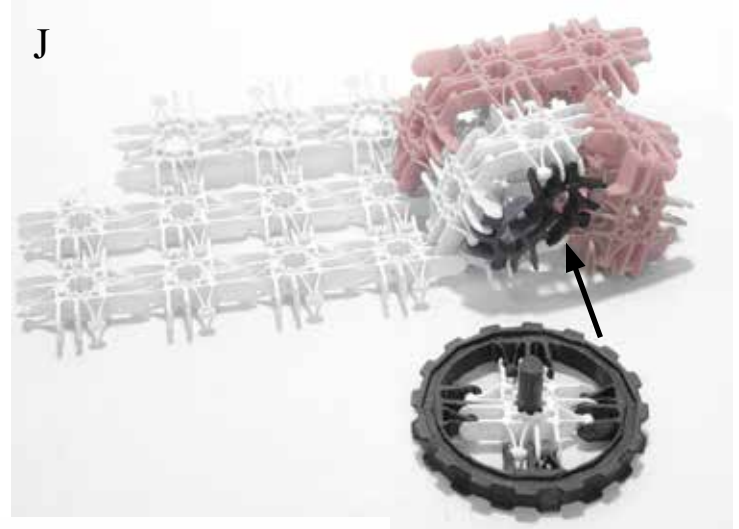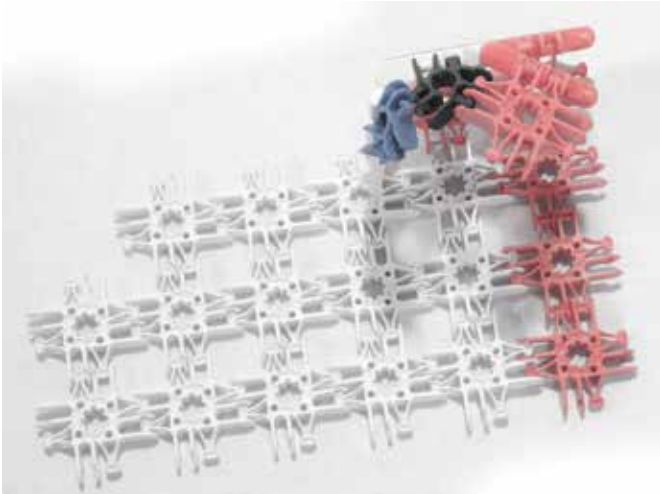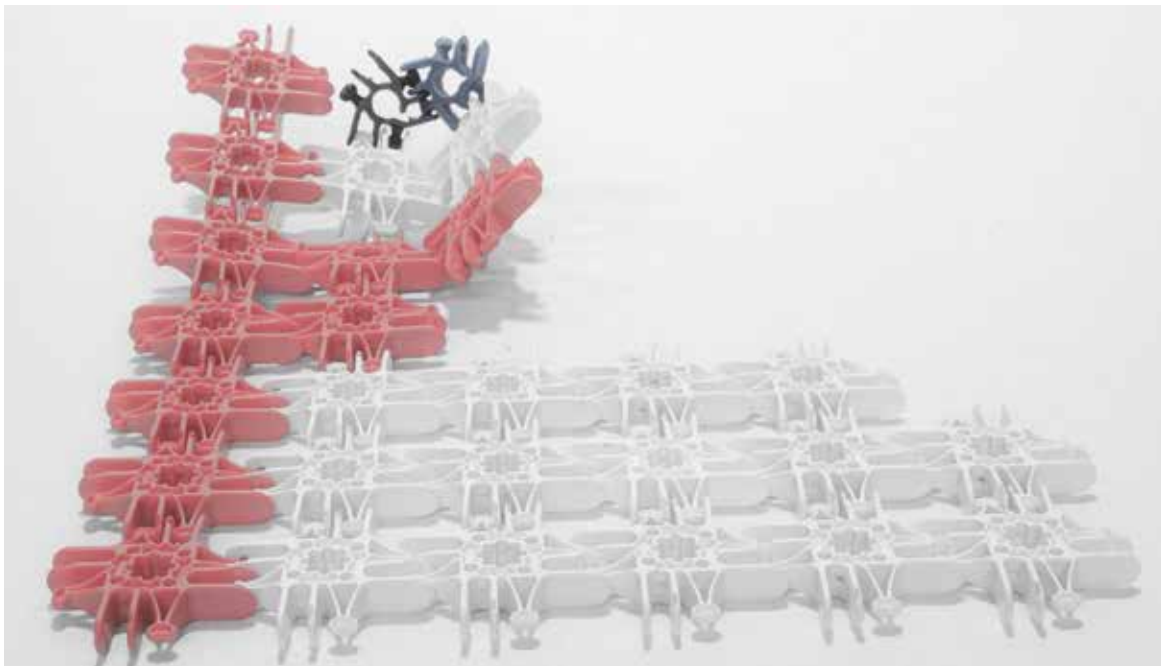
Engine Housing

Propeller ➤

Right wing

Step 11

Once the engine housing is attached all the way around (J), insert a white square into a wheel, then insert through the white square's center hole a small #2 axle far enough so it can spin freely in the middle portion of the axle. Then attach the wheel, which serves as the rotor/propeller, into the black trigon on the engine housing.

J

Step 12

Repeat this same process for the left wing as shown below.

Step 13

Attach both wing sections to the middle section of the fuselage.
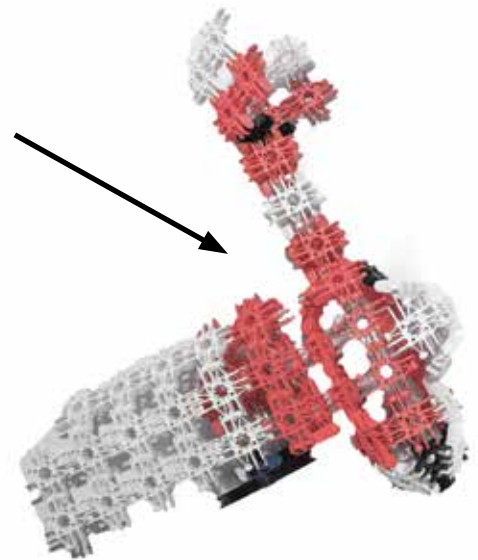
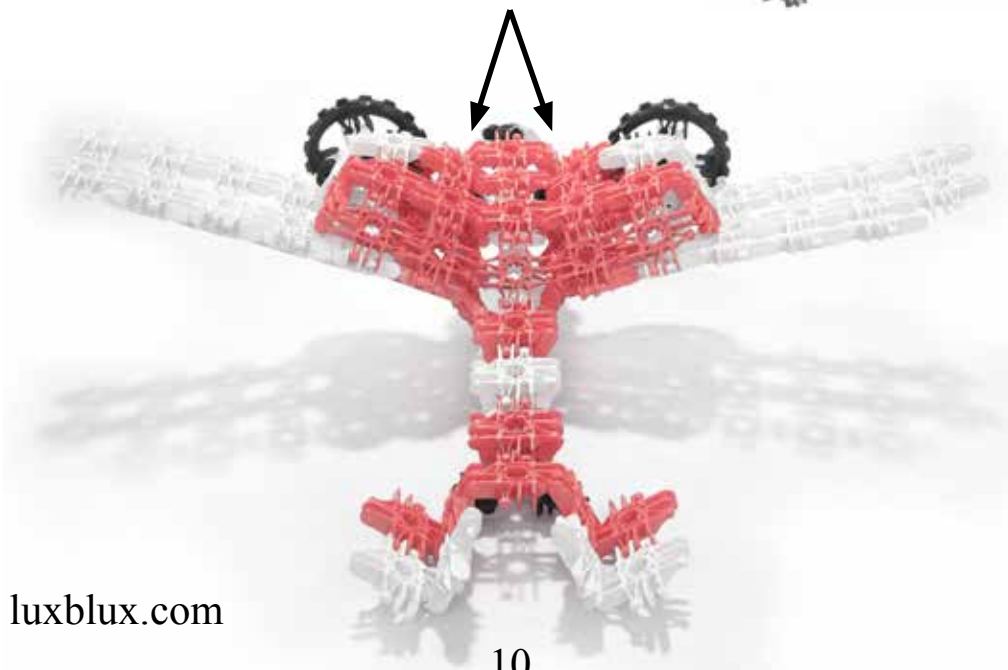Left wing   Right wing

Step 14

Wings should be attached to the two red squares on the top and bottom of the middle section of the fuselage (refer to step 7).
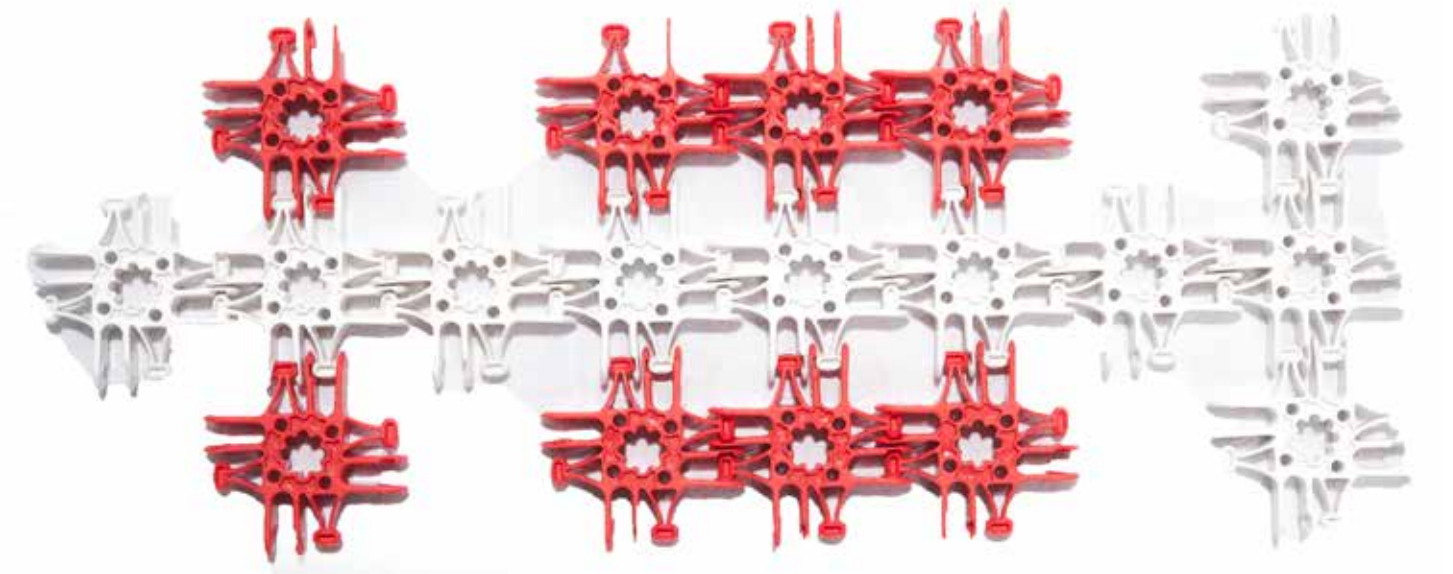
Attach to sides

Attach to bottom

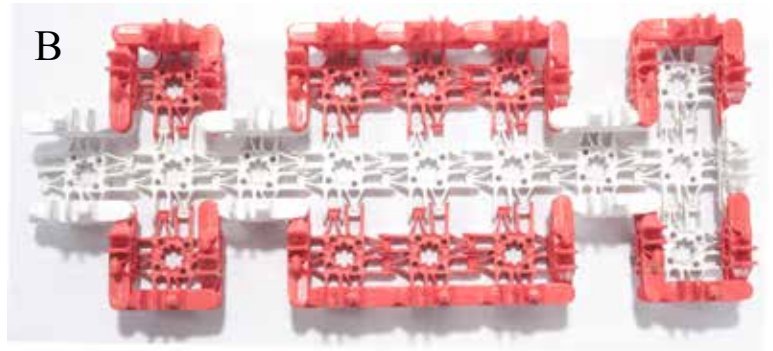See video at luxblux.com

Formula Racer

Step 1

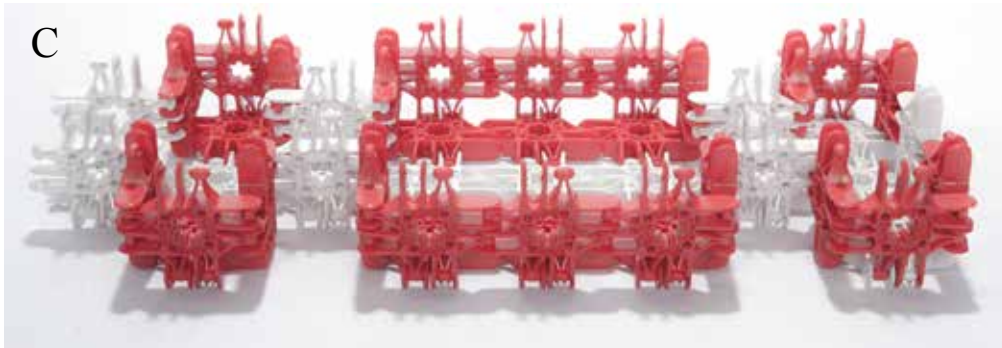Lay out the bottom of the body frame using eight red and ten white squares shown below.

Step 2

Build up the side walls of the body using seven white and twenty-two red squares (B). Leave a space open in the front (C).
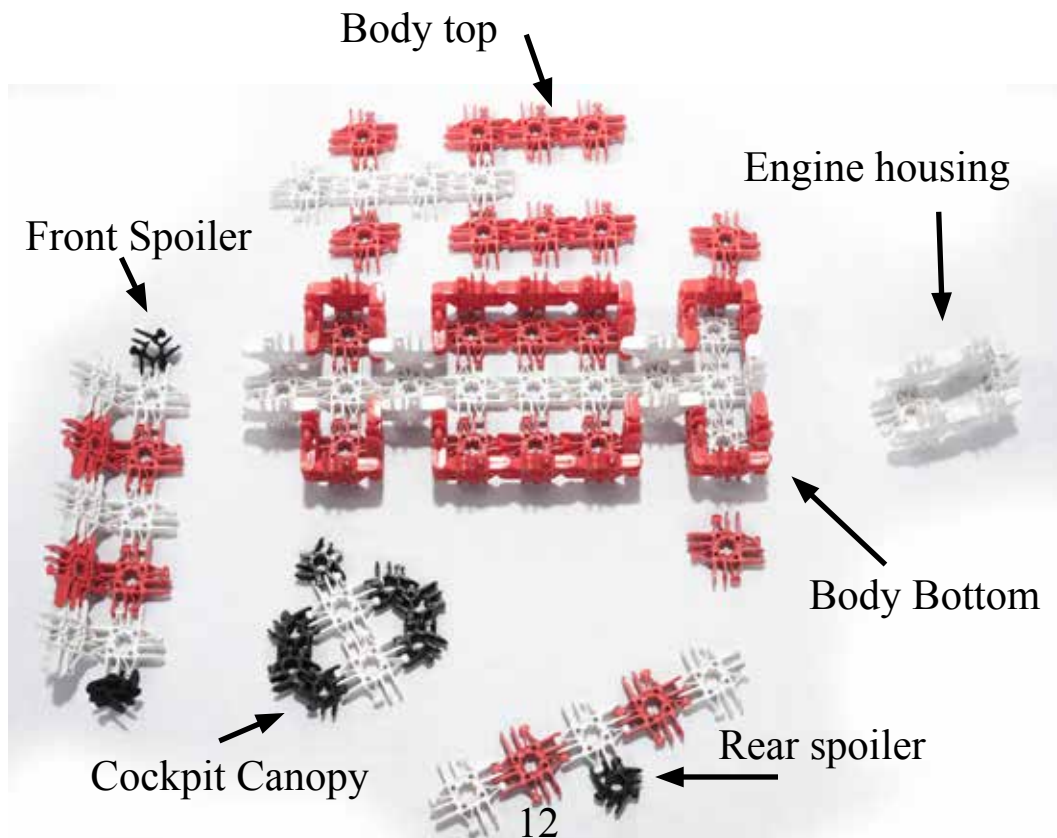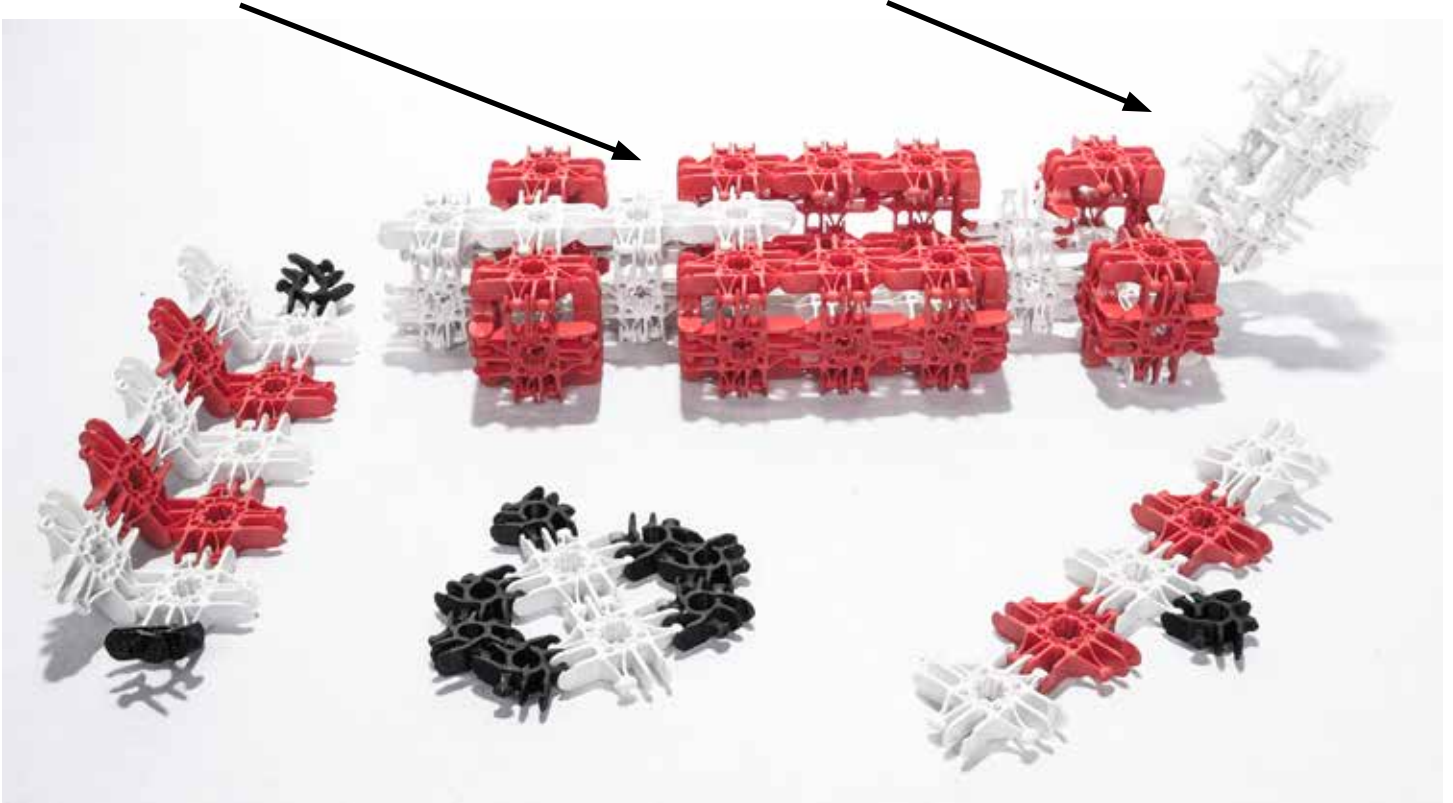
B

Top View

C

Side View

Step 3

Assemble body top as shown using four white squares and eight red squares.

Body top

Engine housing

Front Spoiler

Body Bottom

Cockpit Canopy

Rear spoiler

12

Step 4

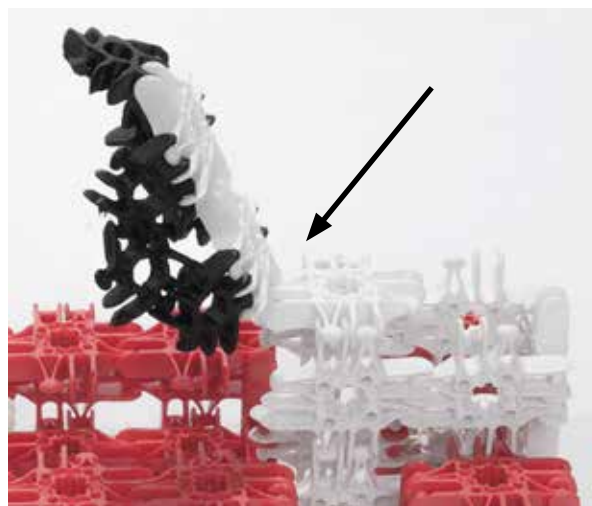Attach body top to body bottom. Attach engine housing to the rear of the body.

Step 5

Attach front spoiler's middle top and bottom squares to the center top and bottom squares of the car body.

Step 6

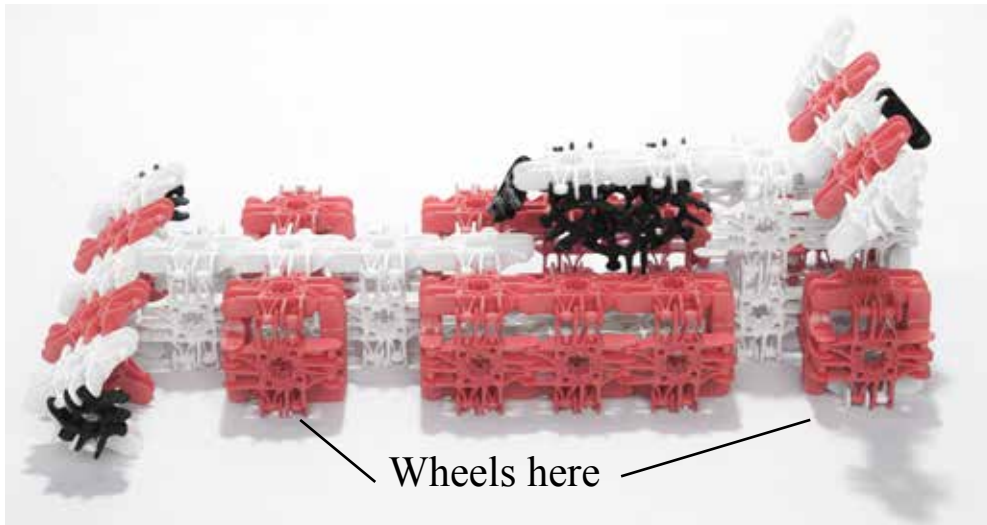Attach cockpit canopy onto the front of the engine housing.

Step 7

Attach rear spoiler to engine housing.

Step 8

Put white squares into the wheels and then insert the small #2 axles into the center hole of the white squares so the wheel will spin freely.
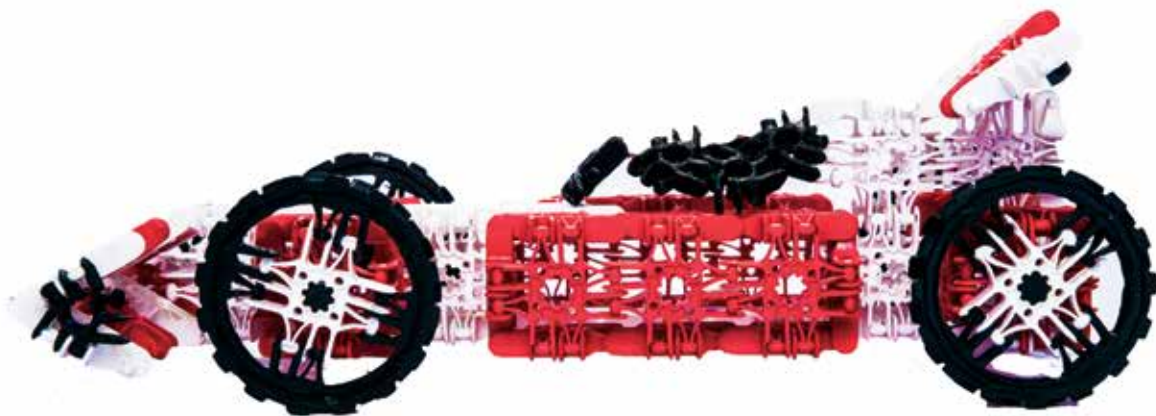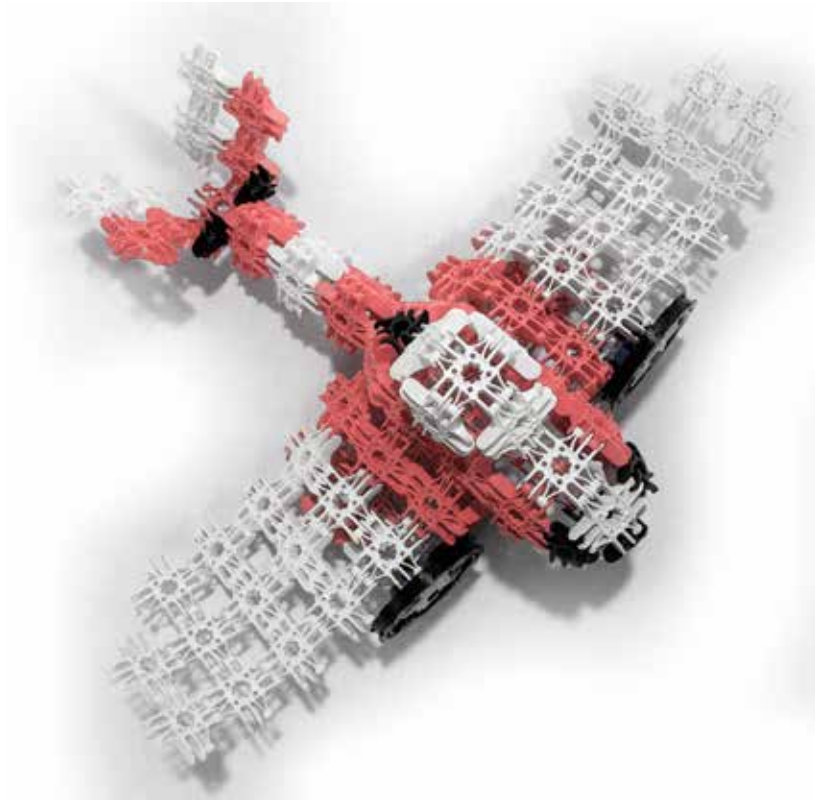

Wheels here

Step 9

Next attach the axles to body of car. You may want to add rubber bands to the wheels for traction.

Congratulations!

You have completed the Advanced Pack.

Lux™

Welcome to the world of linking thinking!™

Lux is the protean block that brings us movement, structure, and the diversity of nature as a natural bridge to connect, enjoy, and understand our universe.

Lux is the world's most versatile and dynamic 3D educational construction system.

Lux is engineered to snap together and rotate 240 degrees making structures that curve, bend, imitate nature, and move!

Now kids of all ages can learn how the world is put together through creative play.

Lux products are packaged and fulfilled by the skilled hands of people with disabilities through our partnership with Bridgeway Inc., a not-for-profit agency whose mission is to empower people with disabilities through training opportunities and the creation of meaningful employment.

Lux are Proudly Made in the U.S.A.