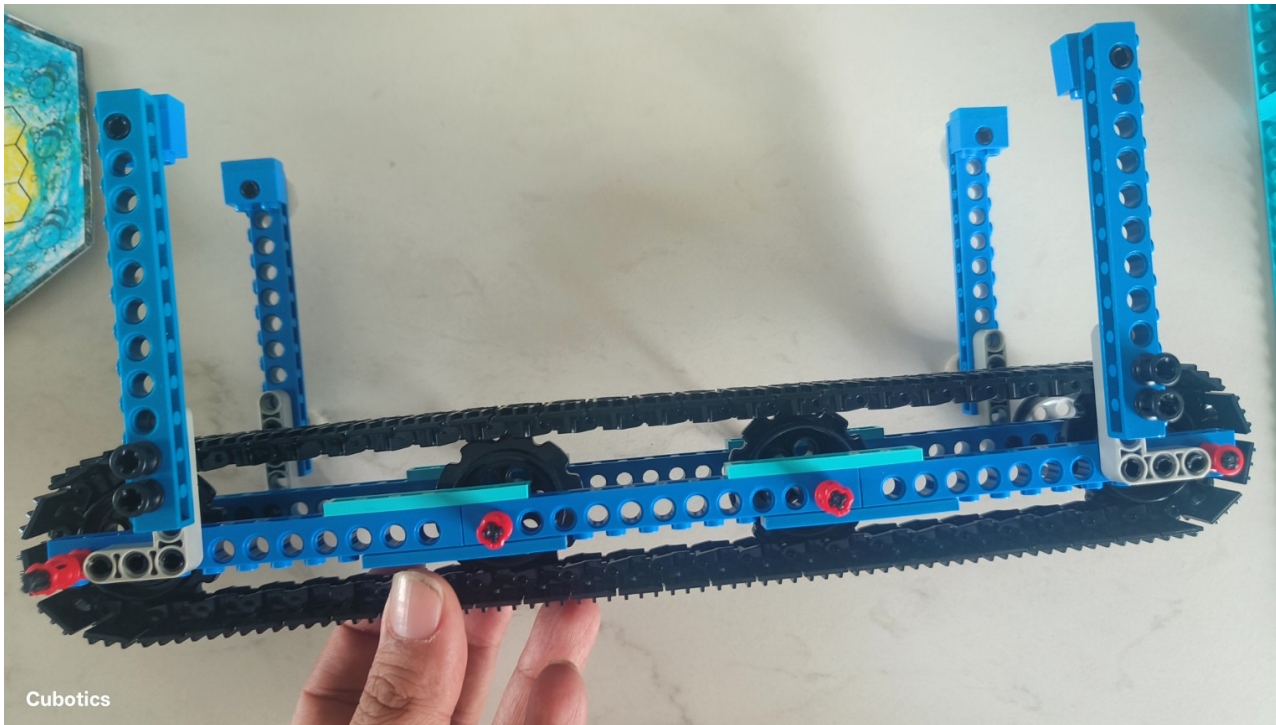


RoboRangManch Conveyor

Photo-reconstructed LEGO Technic style building booklet



BUILD NOTES

- Reconstructed from 6 photos
- Approx. beam lengths where hidden
- Match holes/spacing to your parts
- Test belt by hand before motor

P

Parts overview

Blue Technic beams

long rails + legs

Cyan short beams

rail reinforcement

Grey L connectors

end brackets

Grey axles

roller shafts

Red bushes

axle stops

Black rollers

belt support

Black tread links

continuous conveyor

Grey wheel

manual/drive input

Important: the photos reveal the geometry well, but not every LEGO element number. Use the hole pattern as the main reference.

1

Build first long side rail



Join long beams to make one rigid rail.

ADD IN THIS STEP

2 x long blue beam

2

Build second matching rail



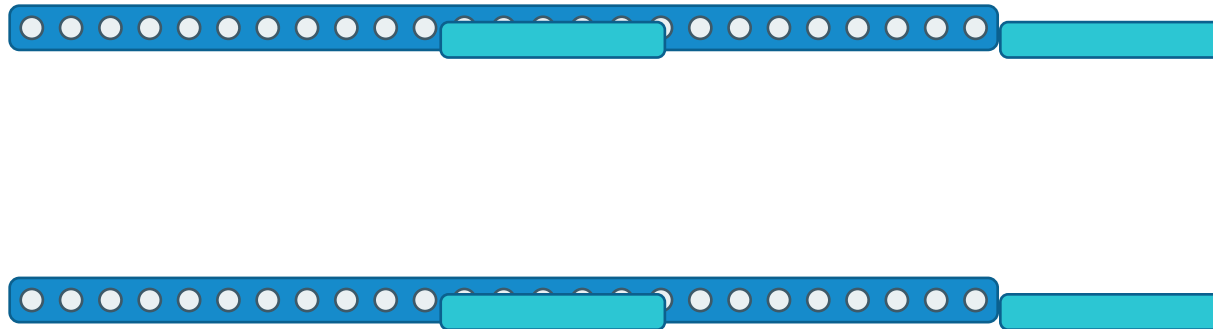
Make a mirror copy. Both rails must be exactly the same length.

ADD IN THIS STEP

2 x long blue beam

3

Add cyan reinforcements



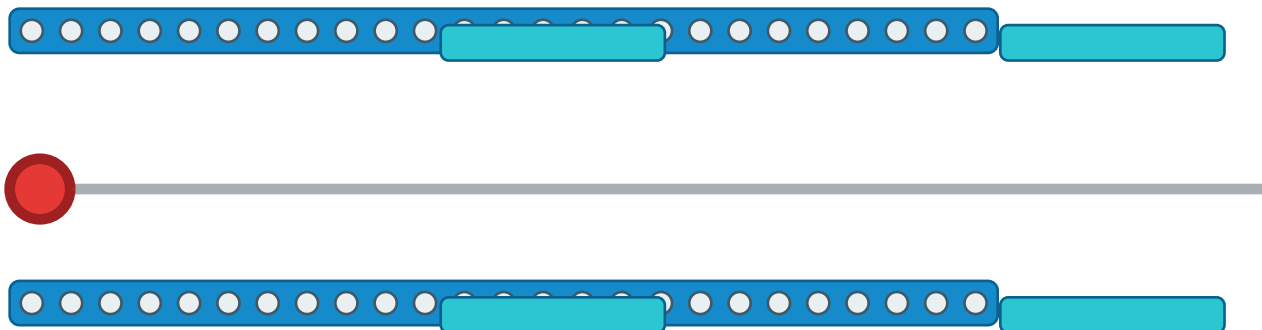
Place two reinforced axle zones along each rail.

ADD IN THIS STEP

4 x short cyan beam

4

Join rails at left end



Keep the rails parallel and square.

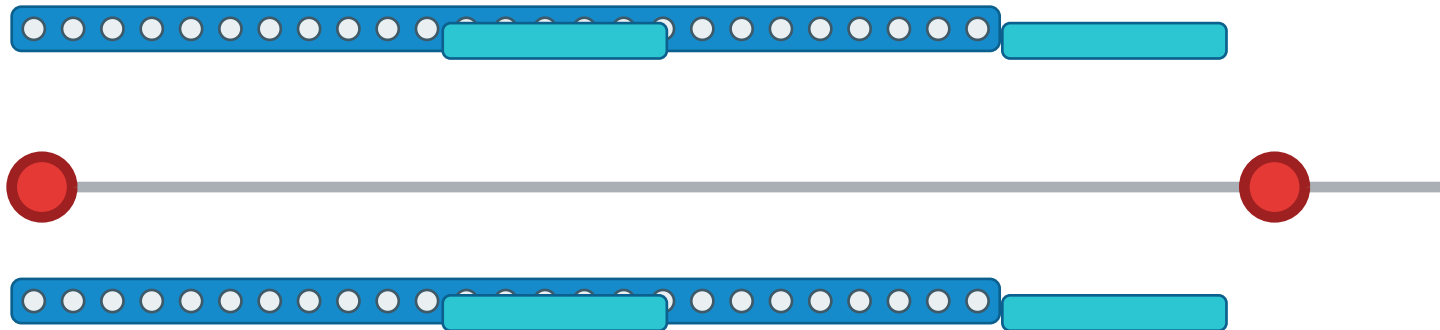
ADD IN THIS STEP

1 x grey end bracket

1 x axle

5

Join rails at drive end



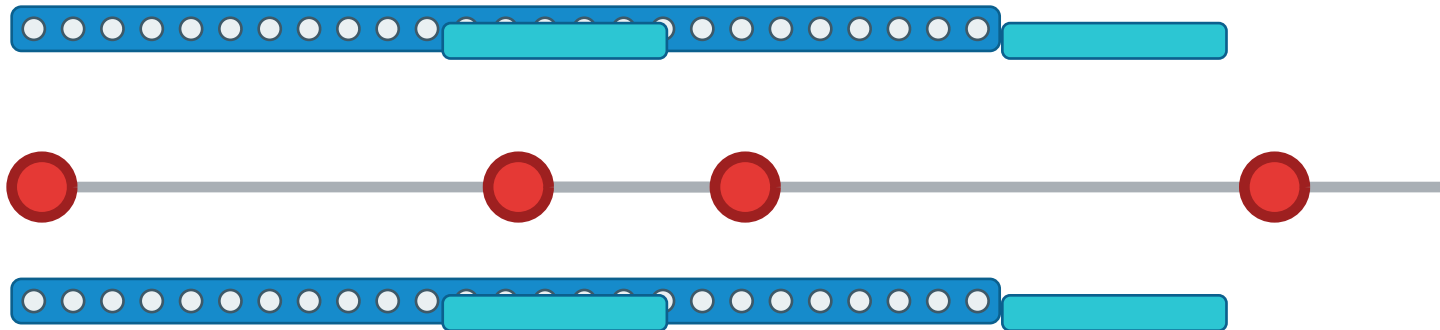
Leave the drive axle protruding on the outside.

ADD IN THIS STEP

- 1 x grey end bracket
- 1 x axle

6

Add first middle axle



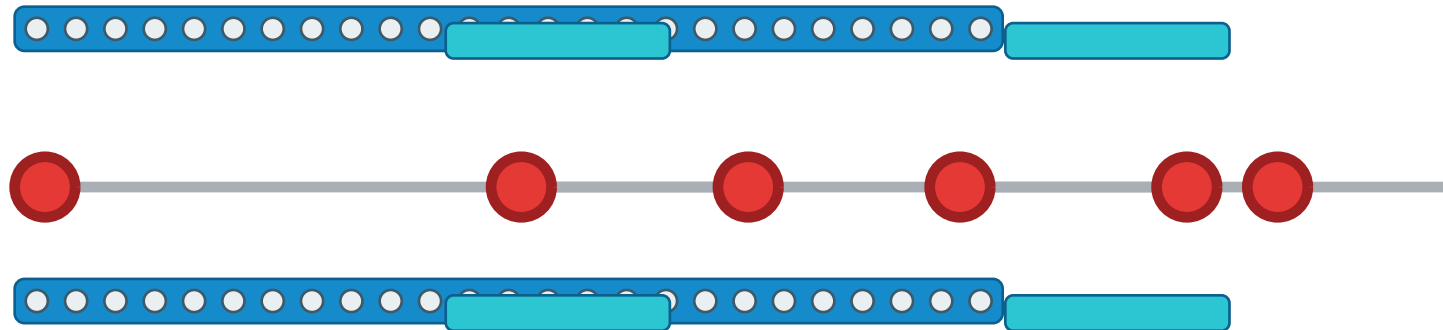
Pass the axle through the first reinforced zone.

ADD IN THIS STEP

1 x grey axle
2 x red bush

7

Add second middle axle



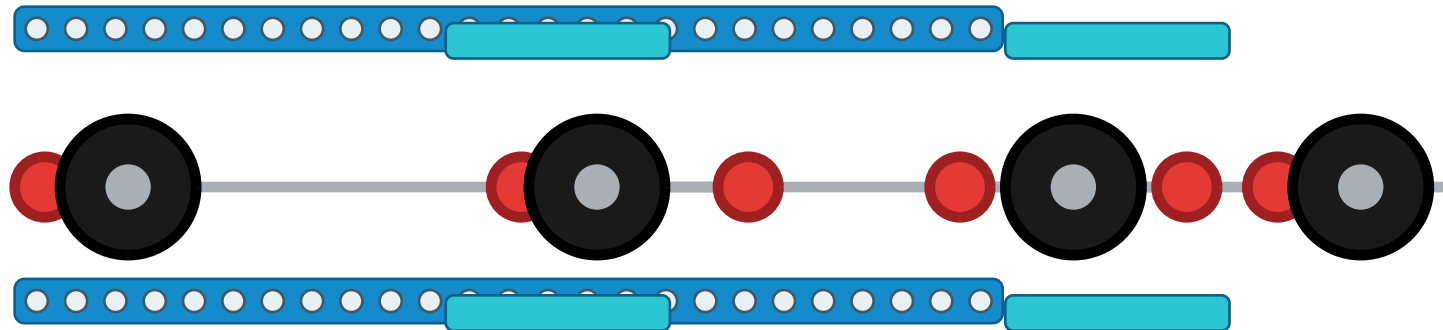
Repeat at the second reinforced zone.

ADD IN THIS STEP

1 x grey axle
2 x red bush

8

Fit support rollers



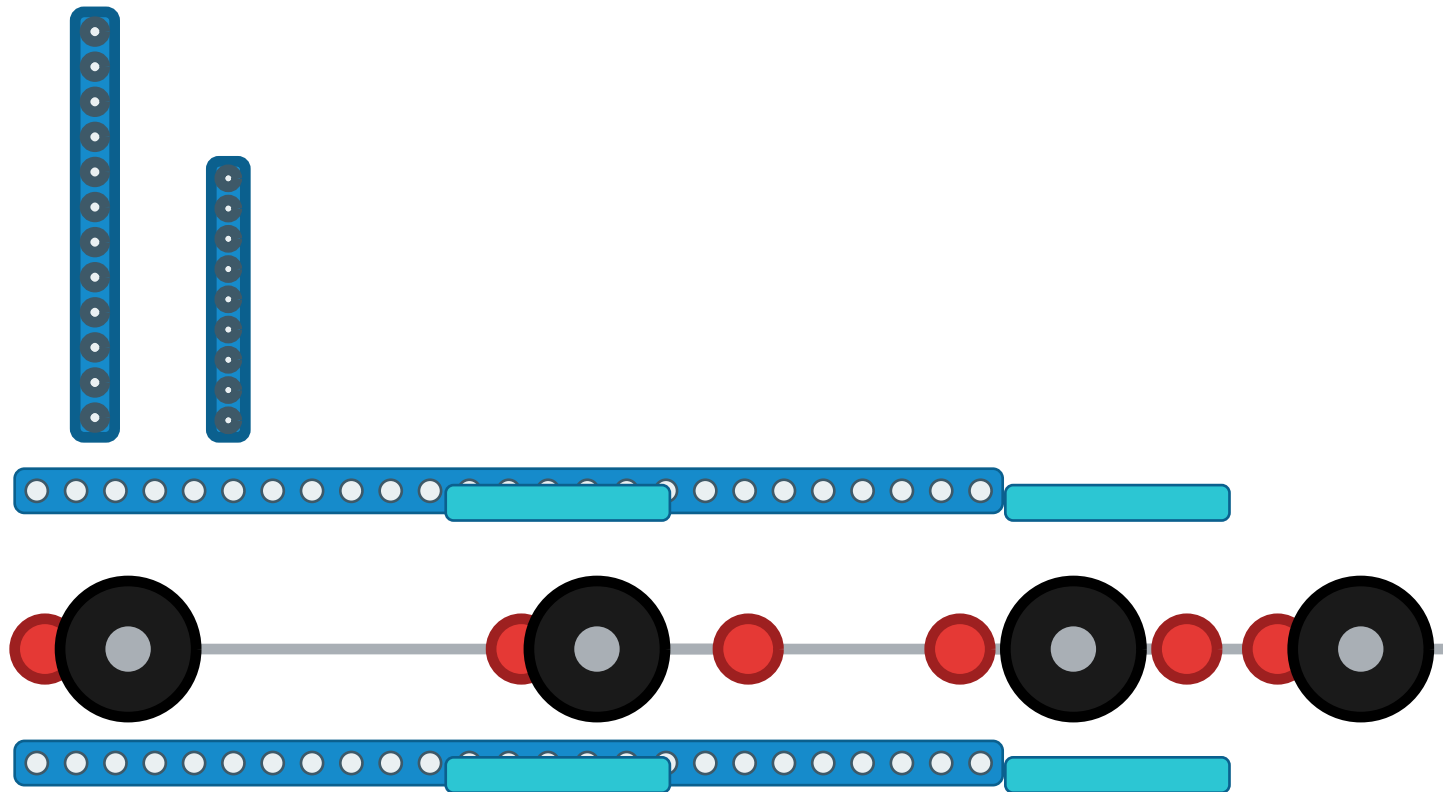
Rollers must rotate freely and sit at the same height.

ADD IN THIS STEP

4+ x black roller

9

Build outer leg pair A



Build two mirrored tall supports.

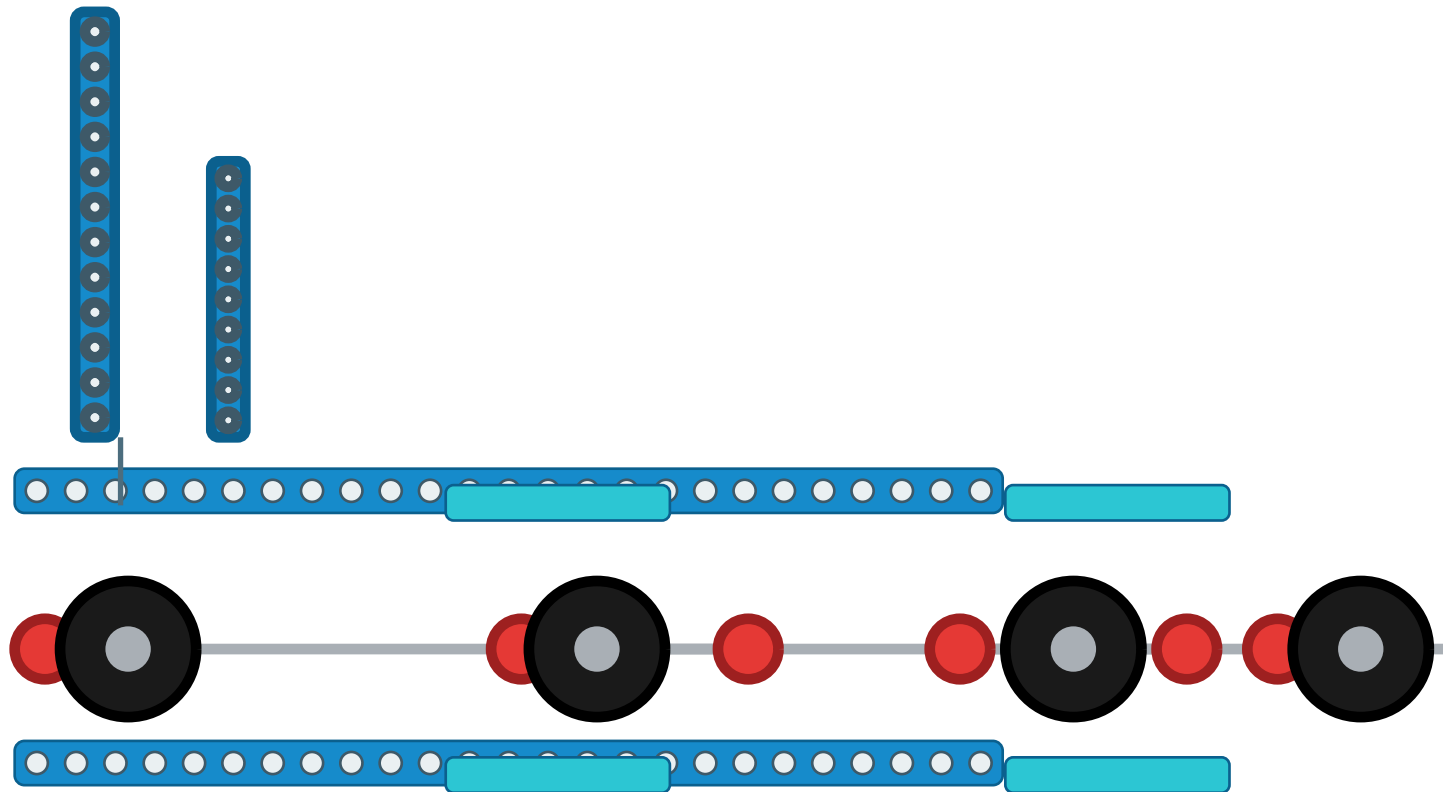
ADD IN THIS STEP

2 x tall blue beam

2 x top connector

10

Attach outer leg pair A



Pin the first support pair to one conveyor end.

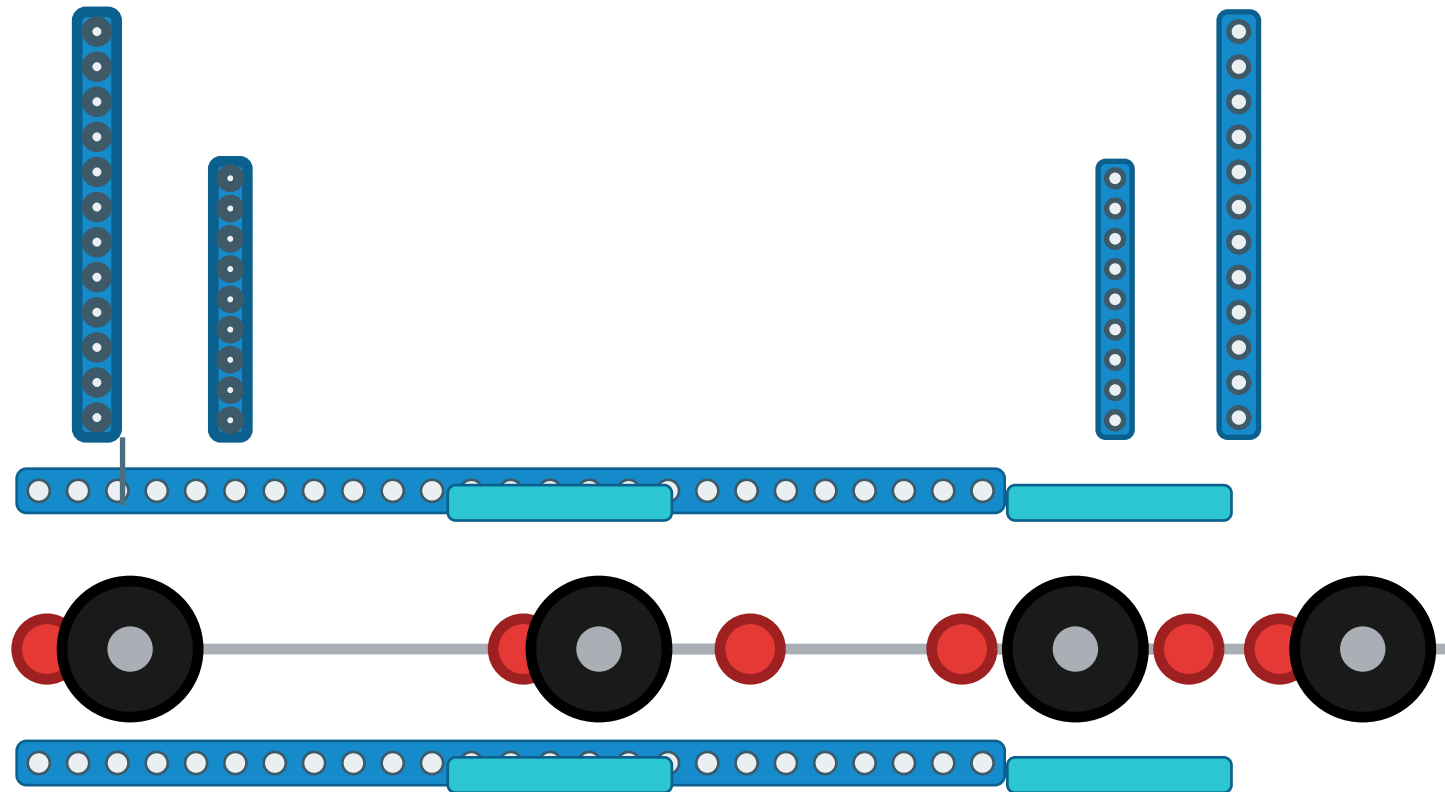
ADD IN THIS STEP

4+ x black pins

4+ x black pins

11

Build outer leg pair B



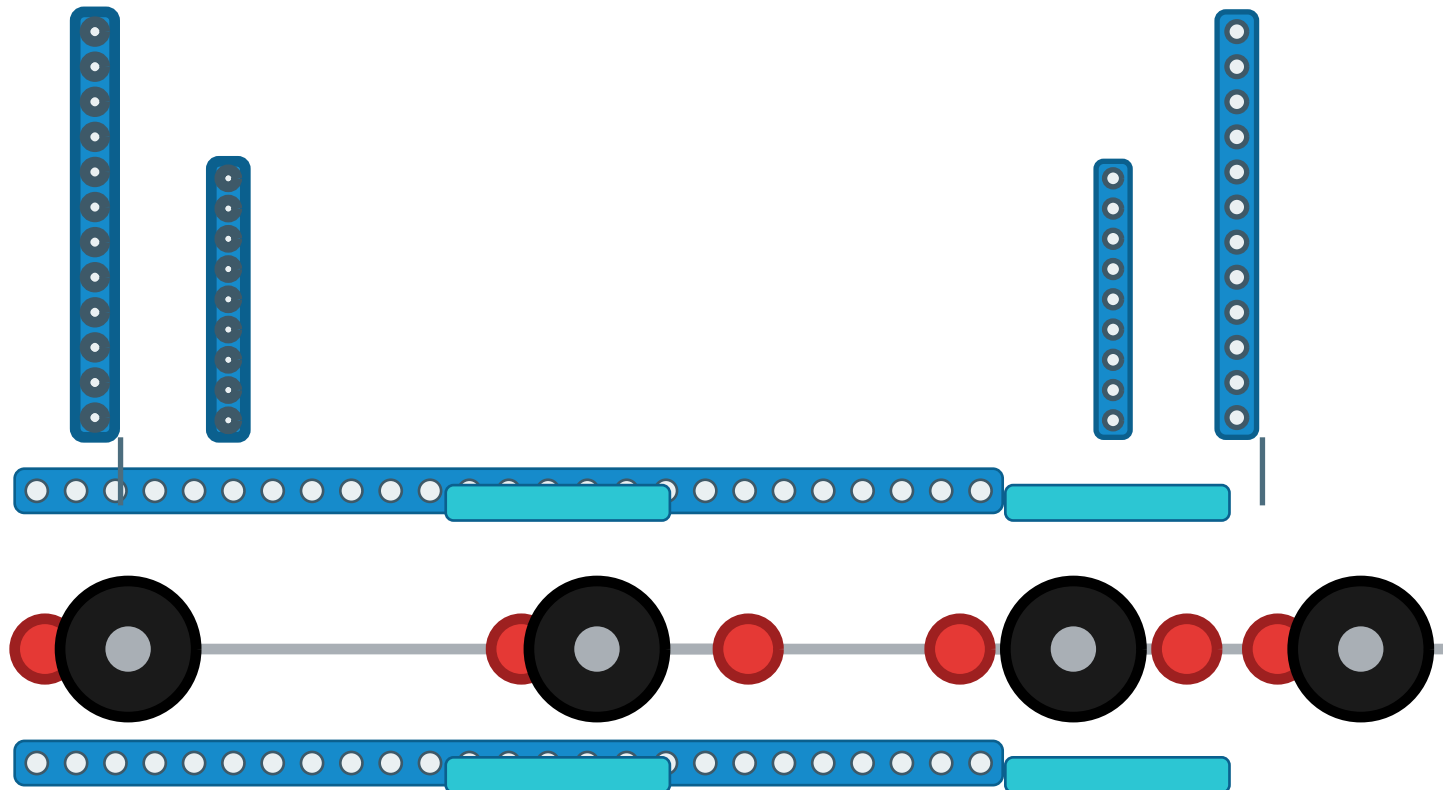
Copy the first pair for the opposite end.

ADD IN THIS STEP

2 x tall blue beam
2 x top connector

12

Attach outer leg pair B



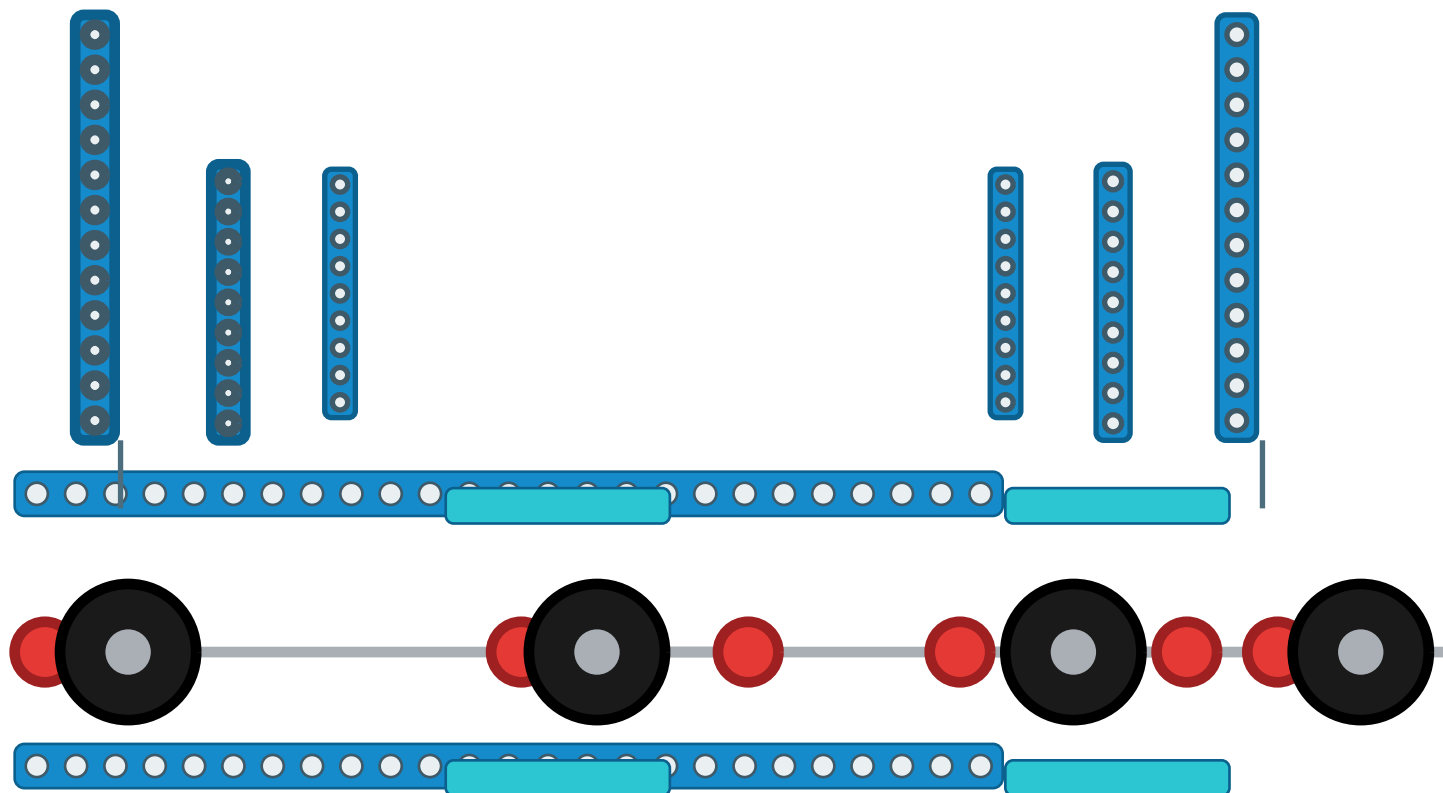
Keep all four outer legs parallel.

ADD IN THIS STEP

4+ x black pins

13

Add two inner supports



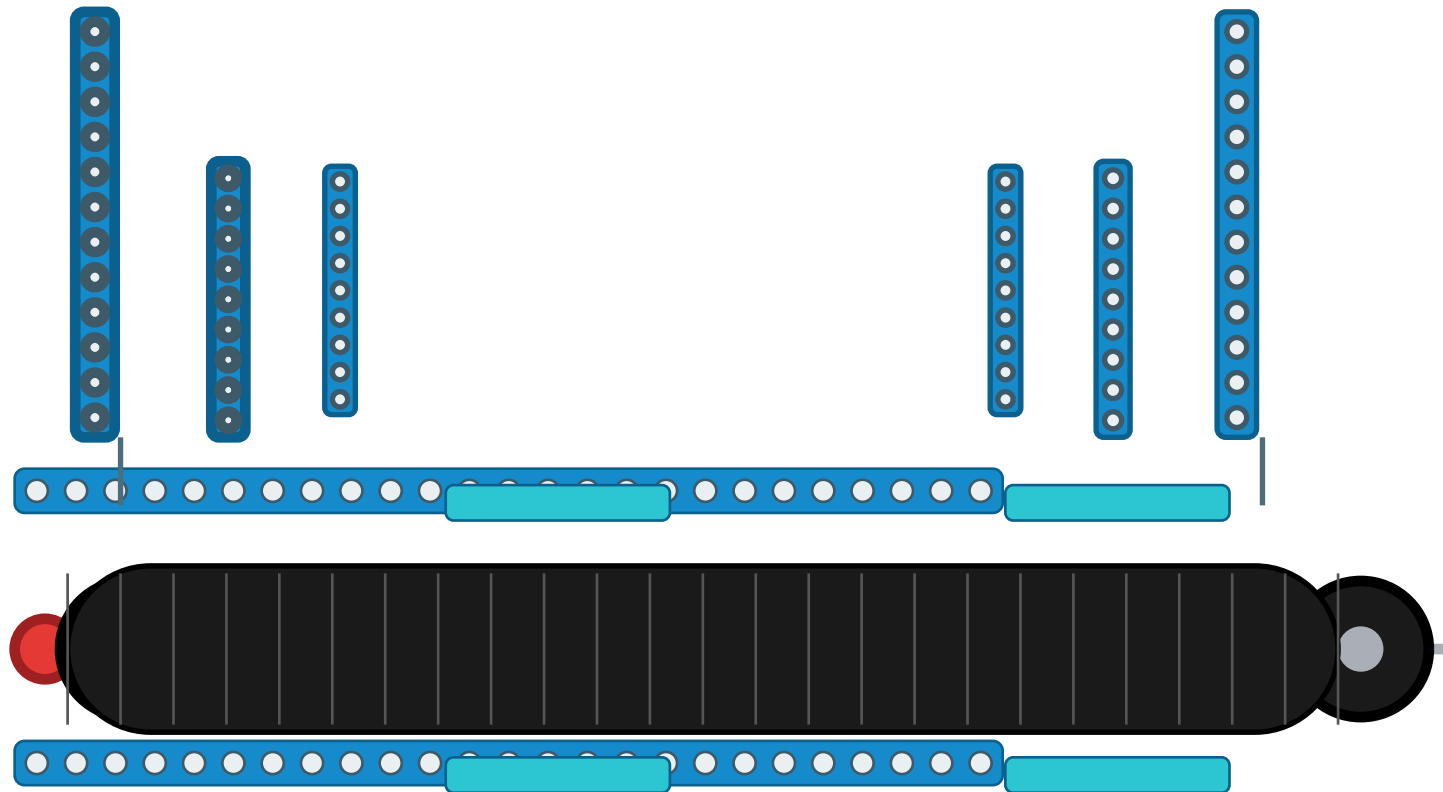
Fit the narrower inner legs visible in the photos.

ADD IN THIS STEP

2 x blue support beam

14

Route the black tread



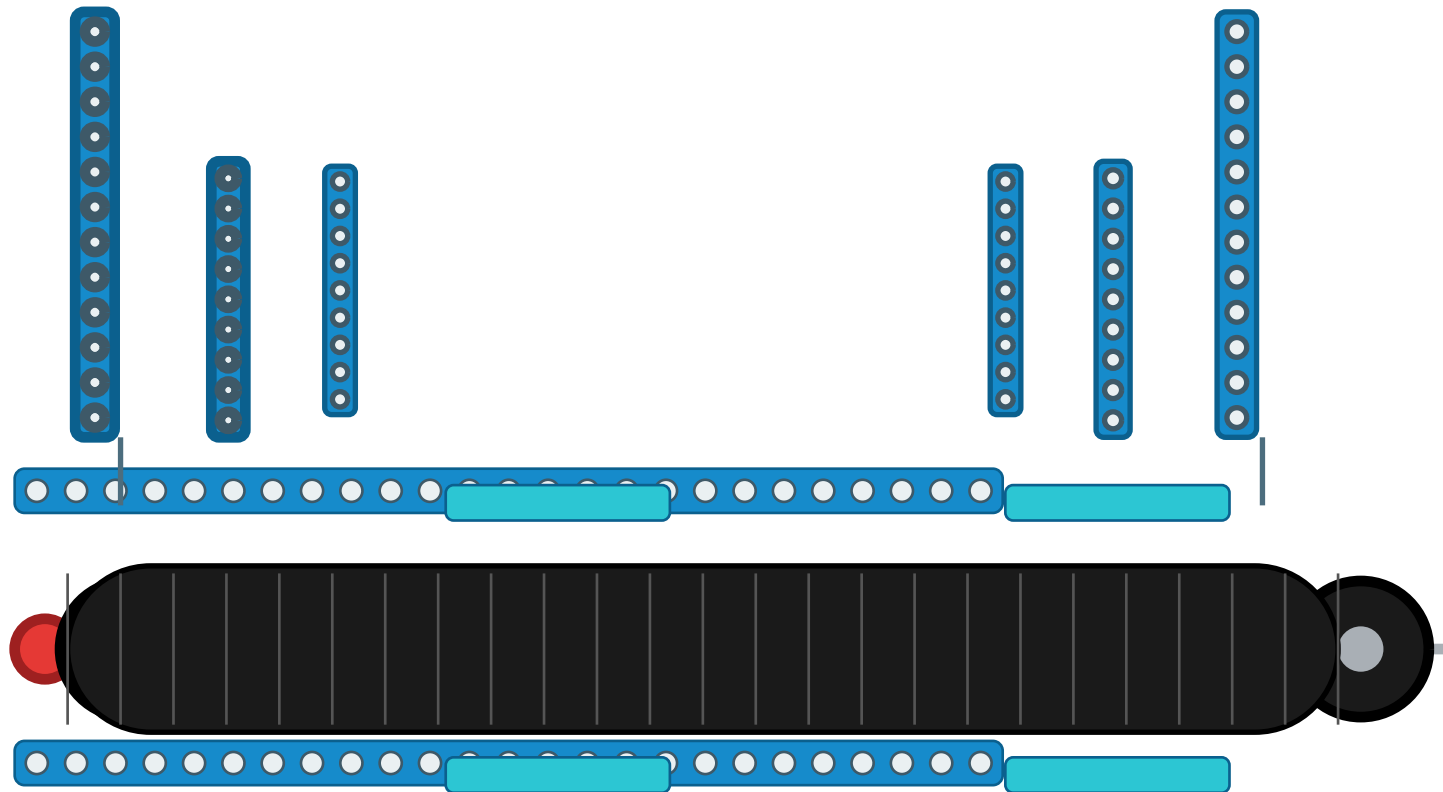
Wrap the track around both end rollers.

ADD IN THIS STEP

many x black tread links

15

Close and tension belt



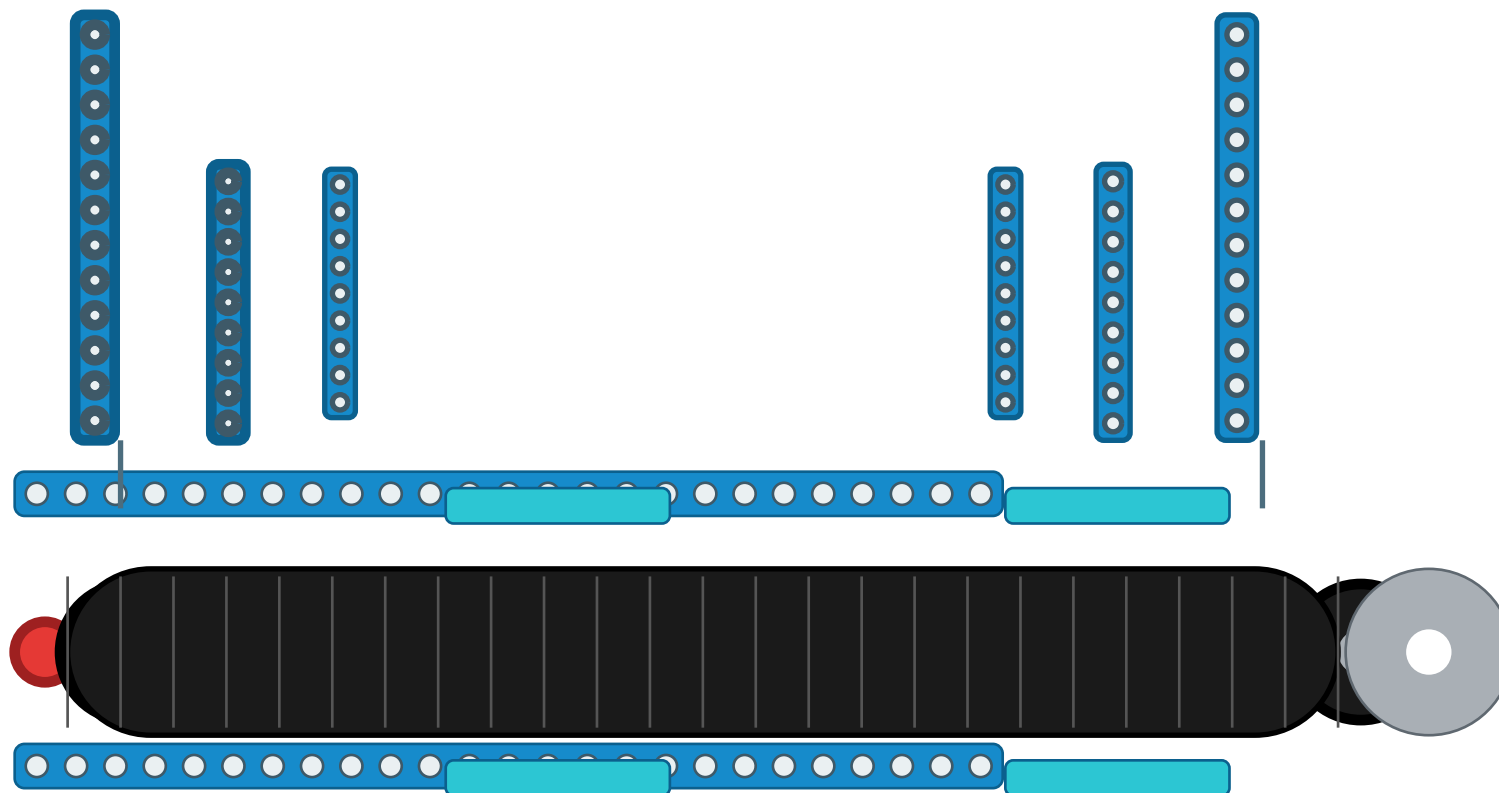
Join the loop. It should move smoothly without excessive sag.

ADD IN THIS STEP

1 x track connection

16

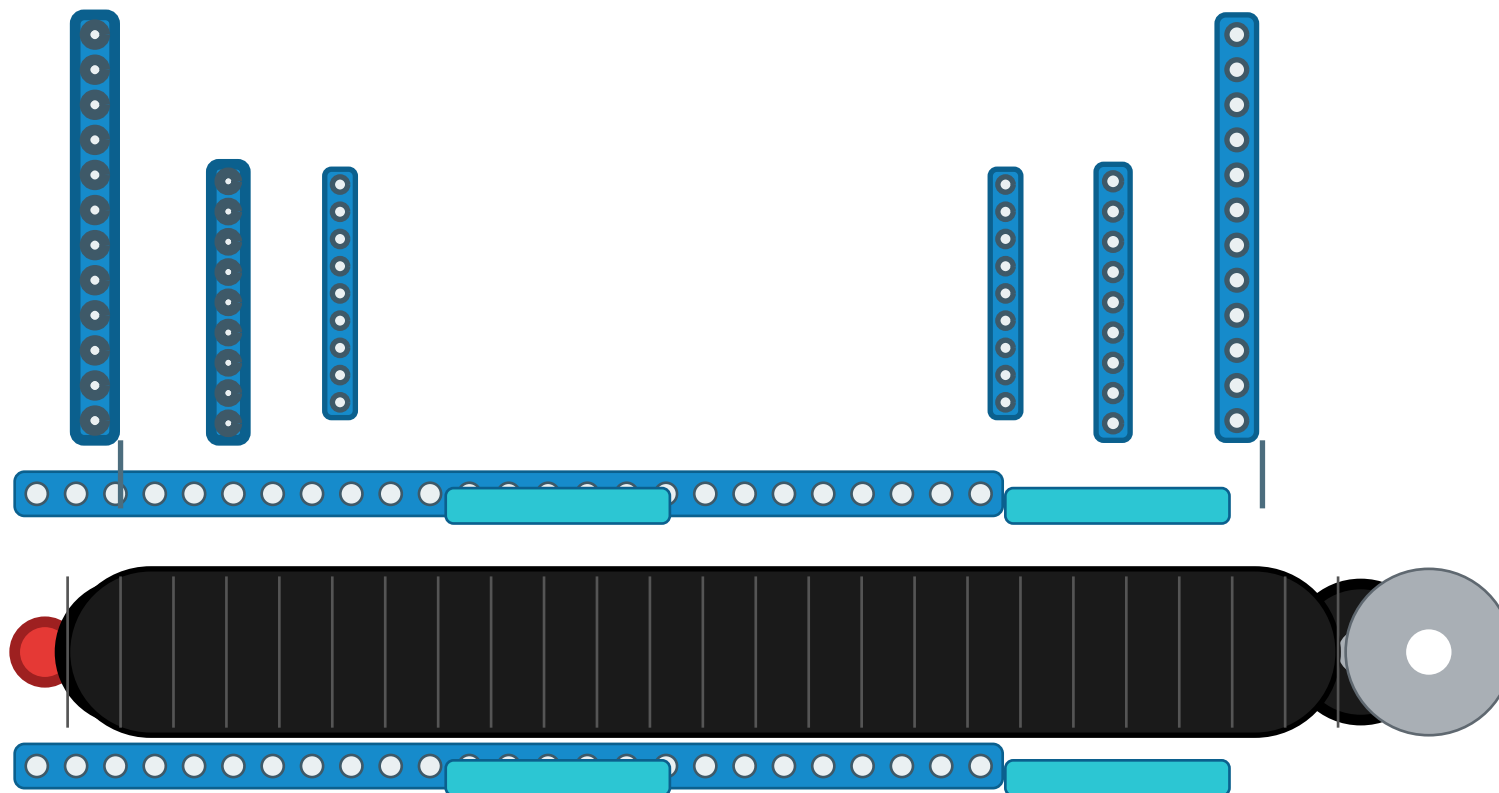
Fit grey drive wheel



Mount it on the protruding drive axle.

ADD IN THIS STEP

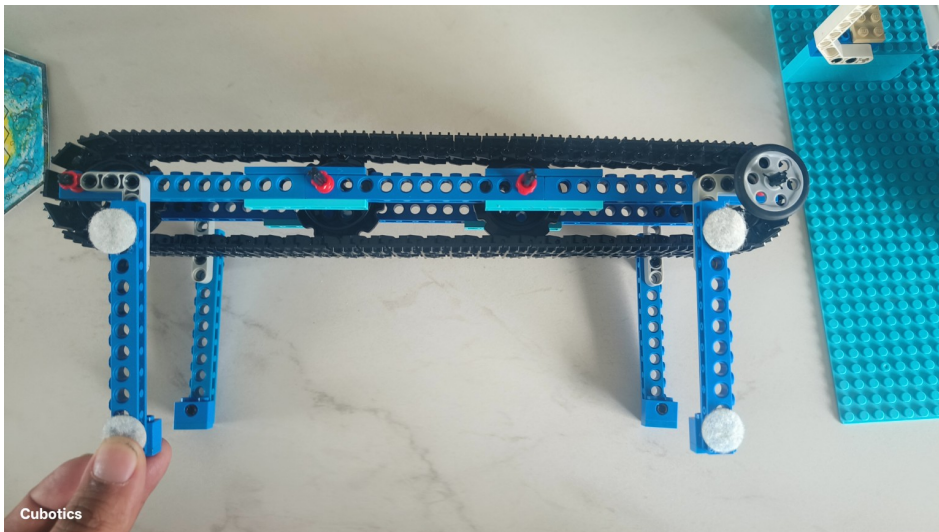
- 1 x grey wheel
- 1 x axle bush



Turn the wheel by hand for at least 10 full belt rotations.

ADD IN THIS STEP

0 x new parts



Use these photos to check axle spacing, leg orientation and the position of the grey drive wheel.

