

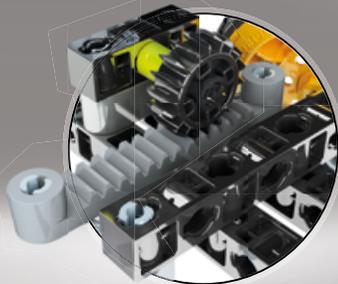
MECHANICS

Laboratory

FARM EQUIPMENT

Models **7** to **10**

- 7 - Farm equipment: the front loader
- 8 - Farm equipment: the drill
- 9 - Farm equipment: the subsoiler
- 10 - The combine harvester



V36960

Read and keep this booklet for future reference.

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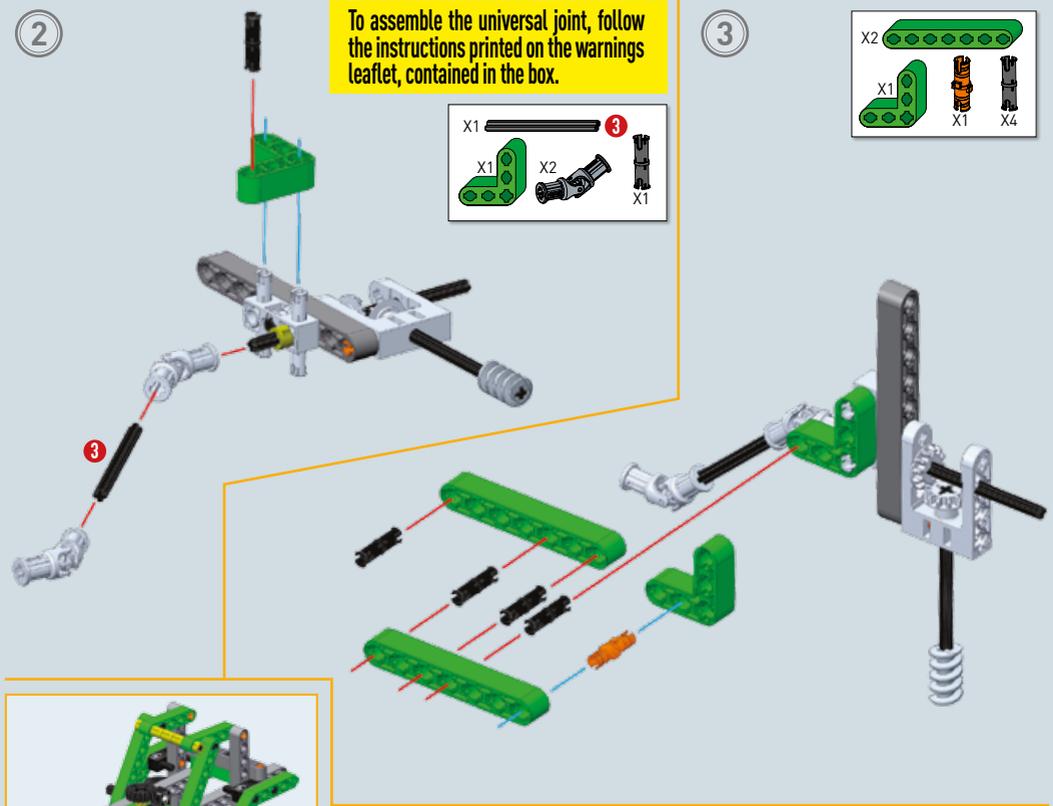
TECHNOLOGIC

Clementoni

2

To assemble the universal joint, follow the instructions printed on the warnings leaflet, contained in the box.

- X1 [Part 3]
- X1 [Part 3]
- X2 [Part 3]
- X1 [Part 3]



3

- X2 [Part 3]
- X1 [Part 3]
- X1 [Part 3]
- X4 [Part 3]



Model assembled in Activity 2

4

- X1 [Part 4]



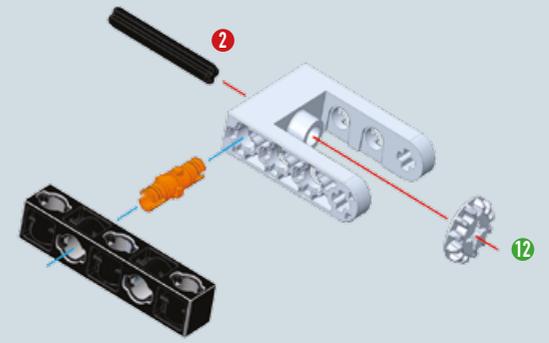
Final assembled model

1:1 [Part 3]

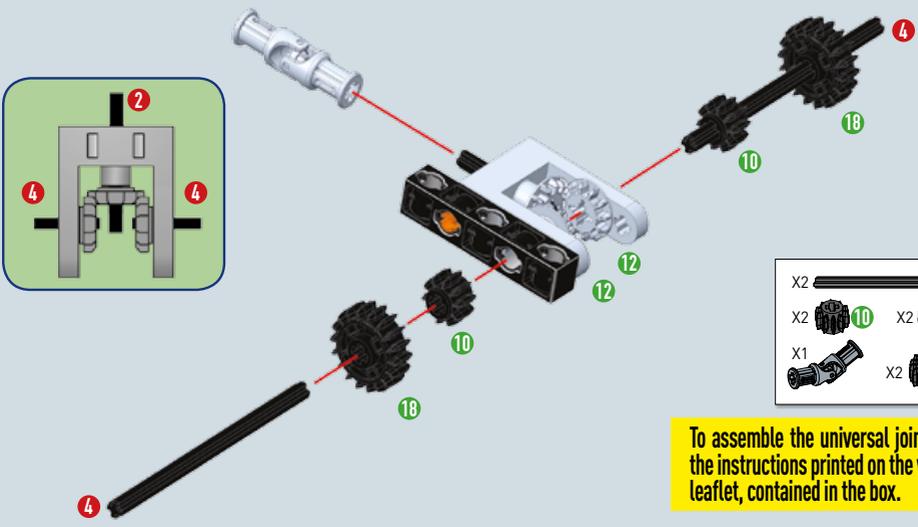
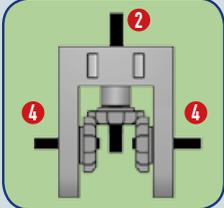
9 FARM EQUIPMENT: THE SUBSOILER

1

- X1 [Part 2]
- X1 [Part 2]
- X1 [Part 2]
- X1 [Part 12]
- X1 [Part 12]



2

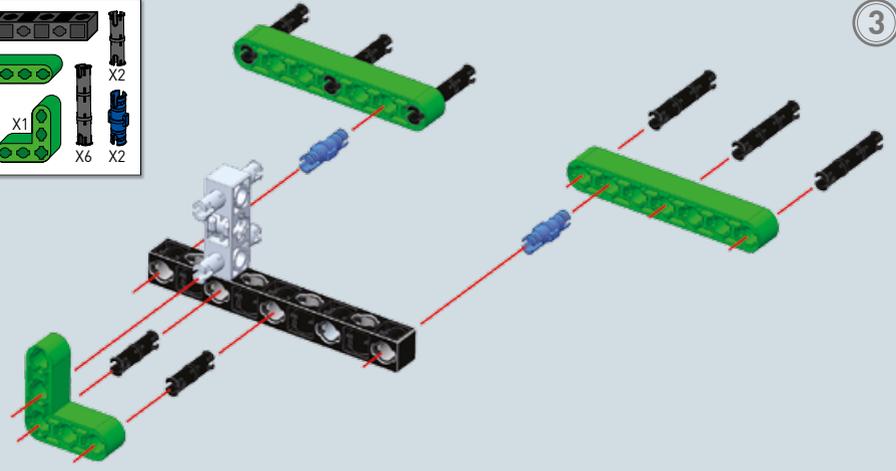


- X2 [Part 4]
- X2 [Part 10]
- X2 [Part 12]
- X1 [Part 10]
- X2 [Part 18]

To assemble the universal joint, follow the instructions printed on the warnings leaflet, contained in the box.

3

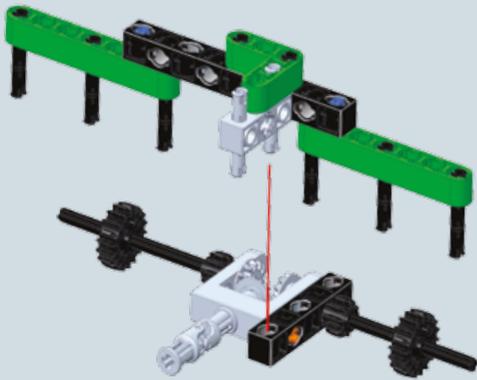
- X1 [Part 2]
- X2 [Part 3]
- X1 [Part 3]
- X1 [Part 3]
- X6 [Part 3]
- X2 [Part 3]



1:1 [Part 4]

1:1 [Part 2]

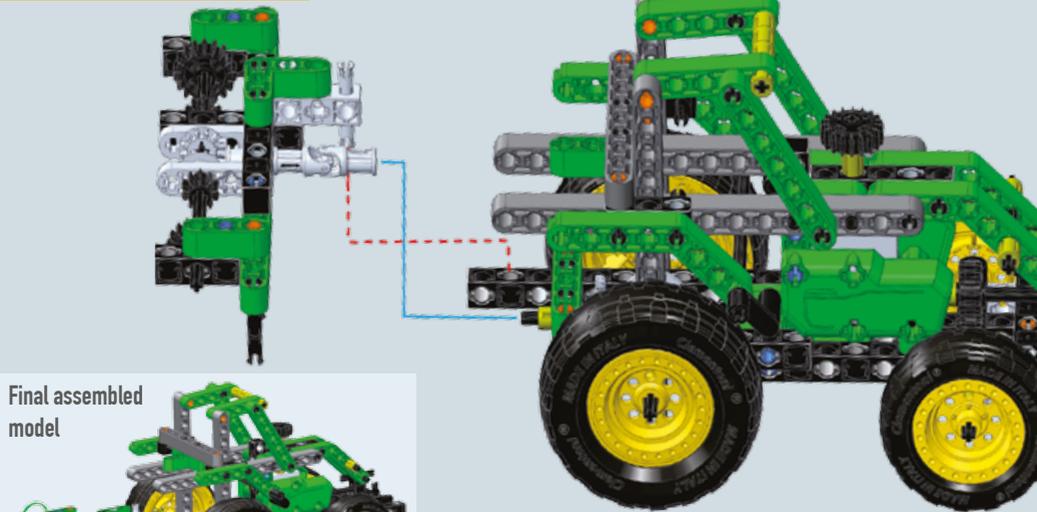
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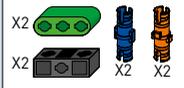
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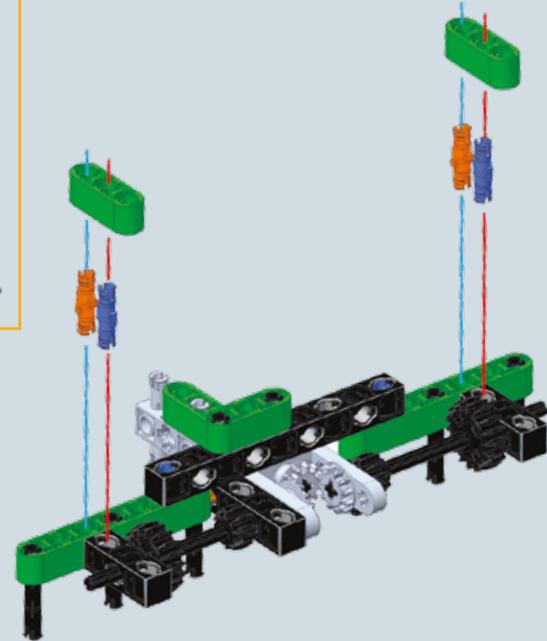
Model assembled in Activity 2



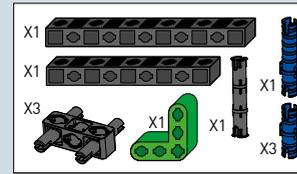
Final assembled model



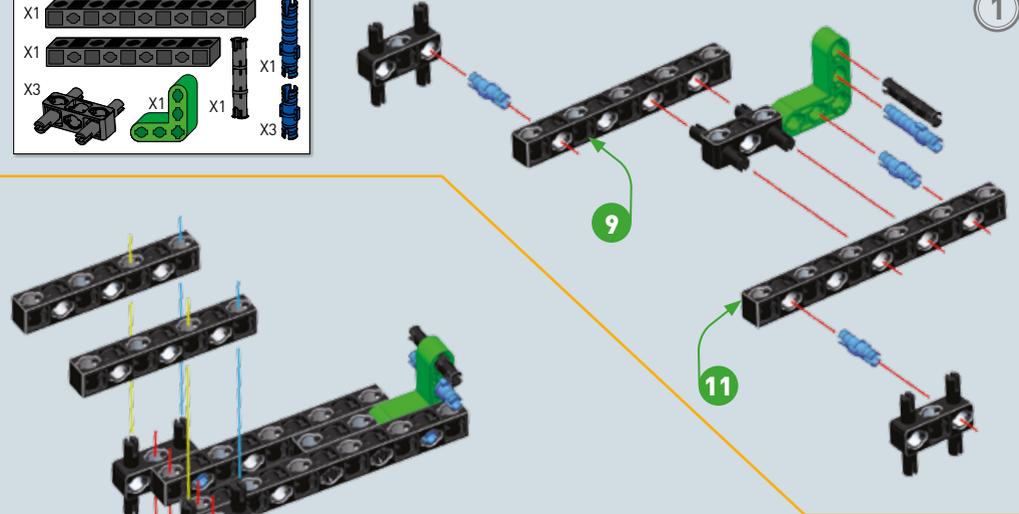
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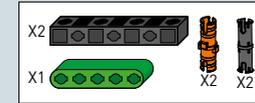
10 THE COMBINE HARVESTER



1

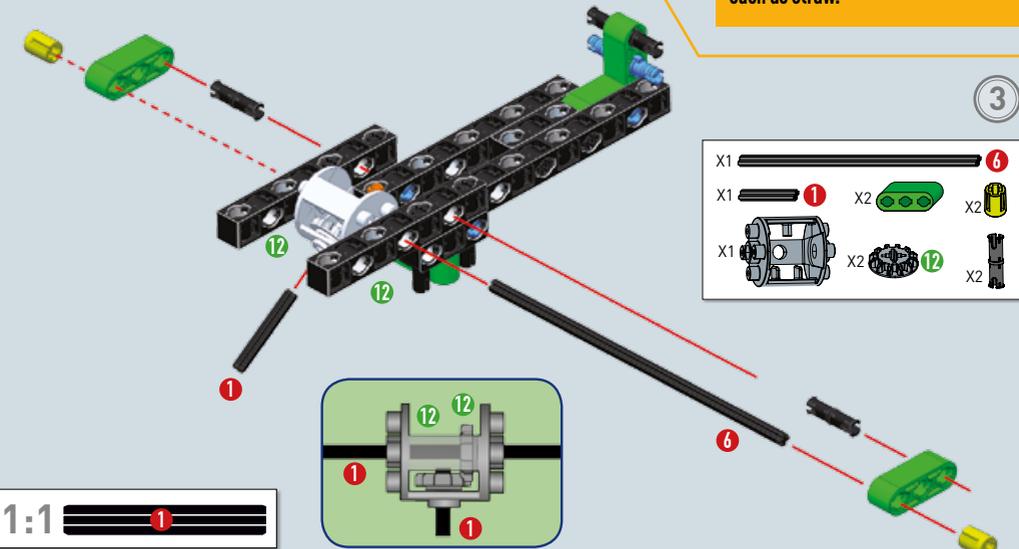


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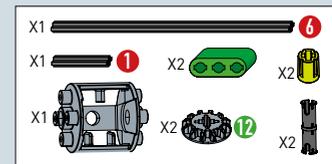


Technical facts and curiosities

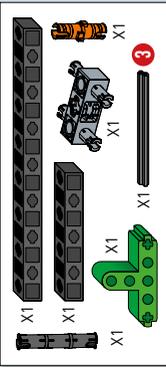
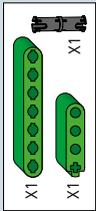
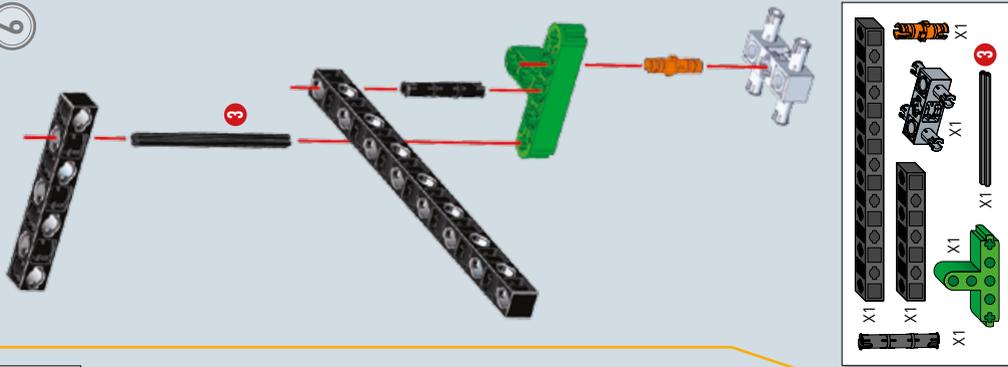
The combine harvester is a farm machine able to reap and thresh several types of dry crops. Threshing is the process of separating the cereal or wheat grain from the waste residue, such as straw.



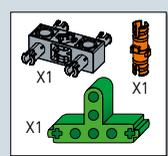
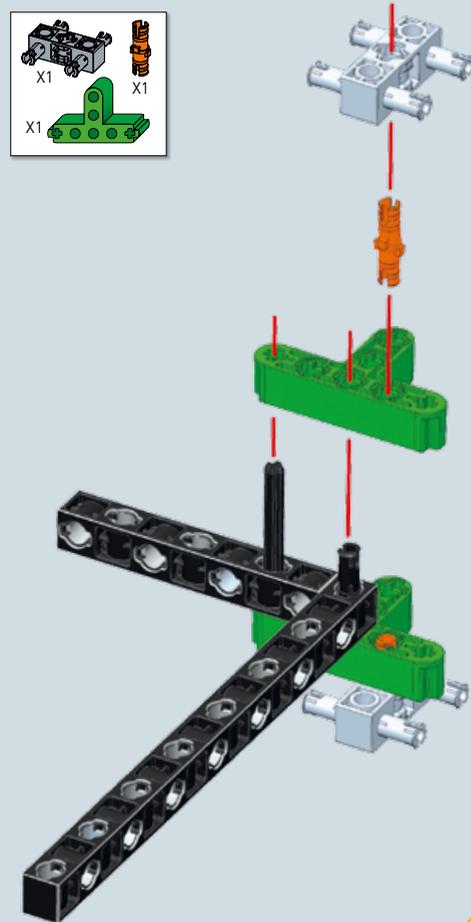
3



6



7



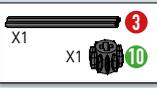
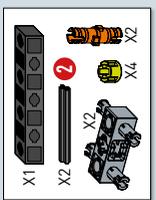
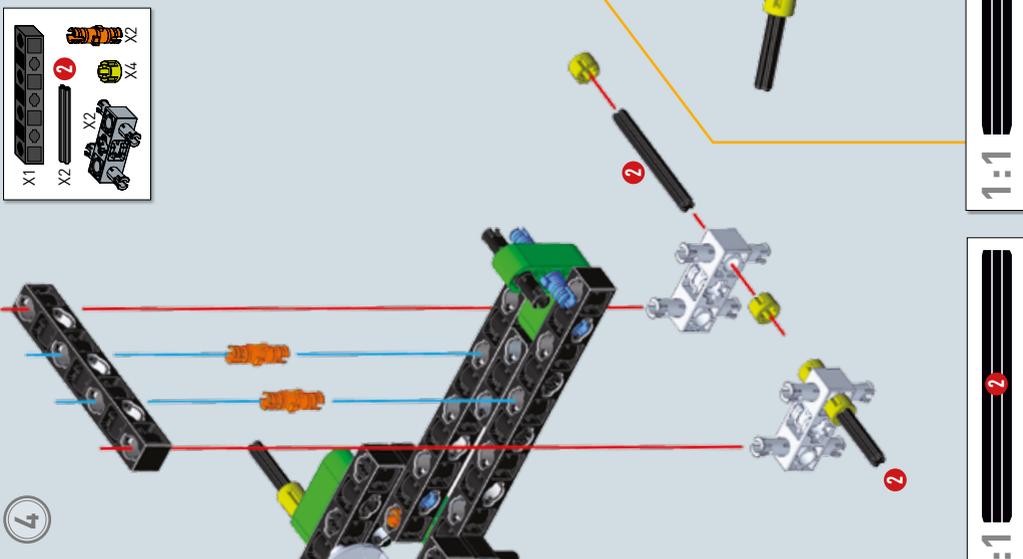
8

Technical facts and curiosities

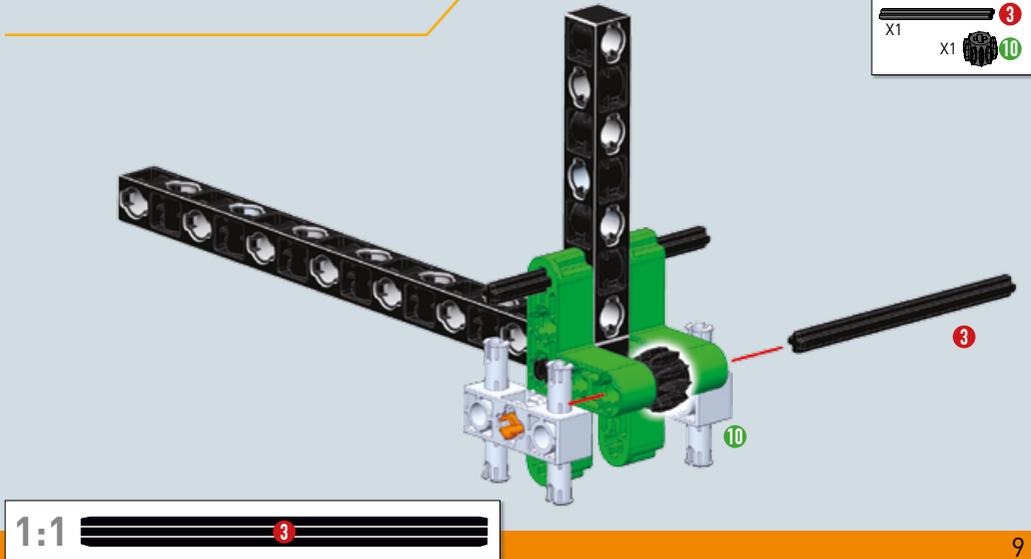
Once cut, the crop is fed into the threshing, a rotating drum with grooved sections, partly encircled by the concave. The mechanical action of the friction generated by the rotation separates the grain from the waste plant material. The grain is then transferred into an internal tank, while the waste material is expelled out the rear.

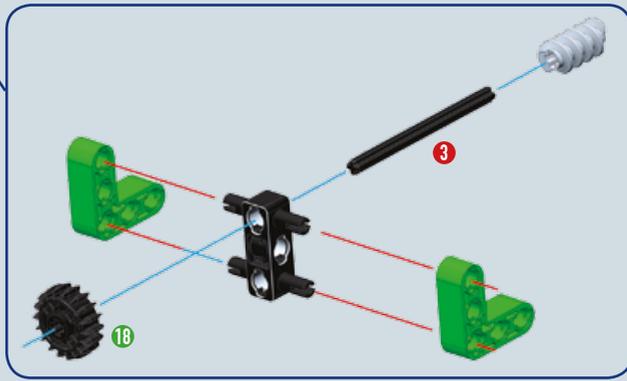
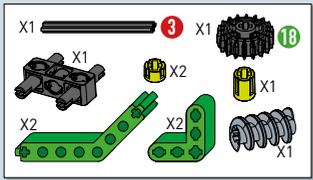
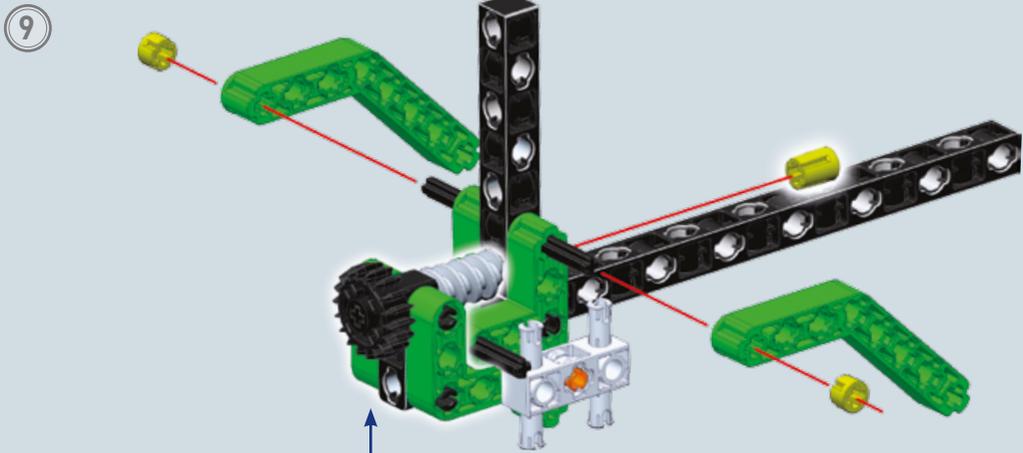


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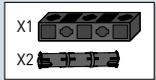
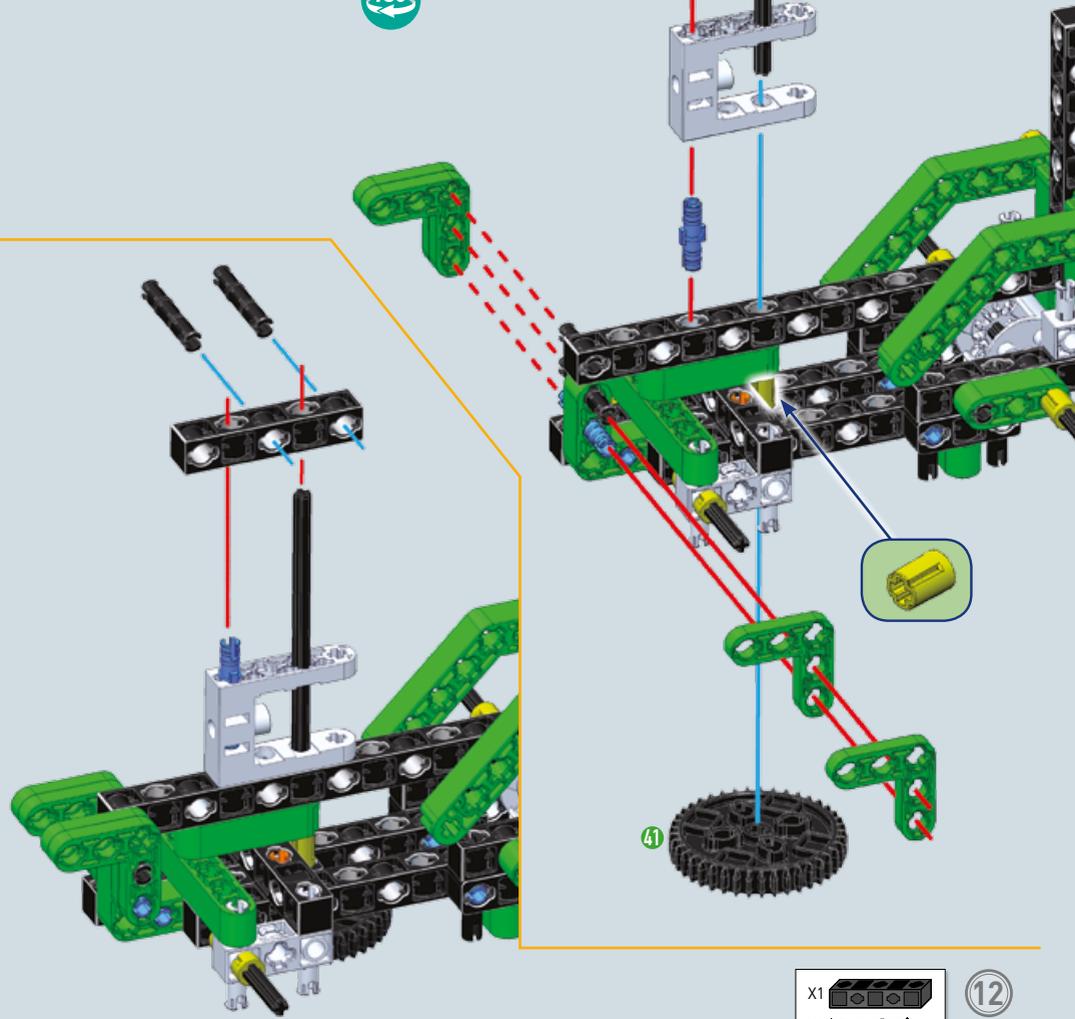
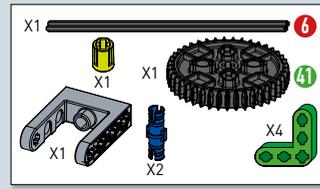
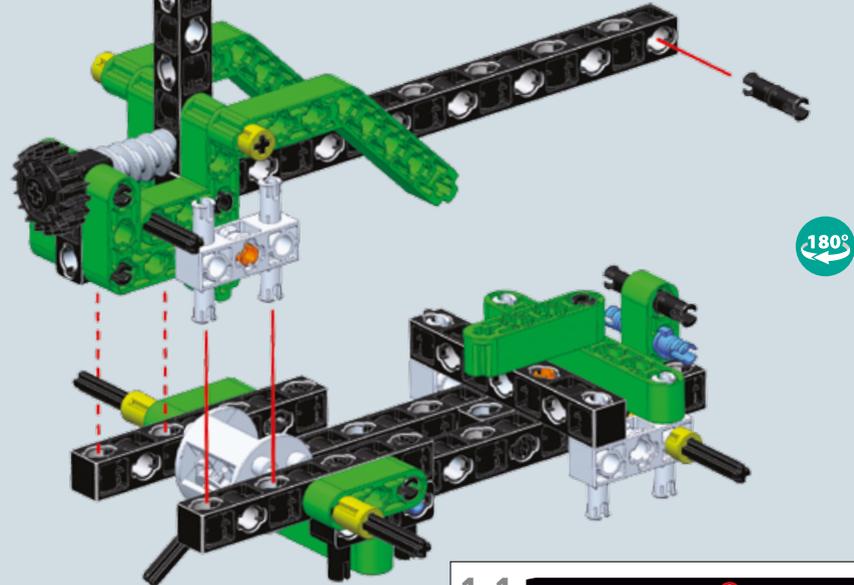


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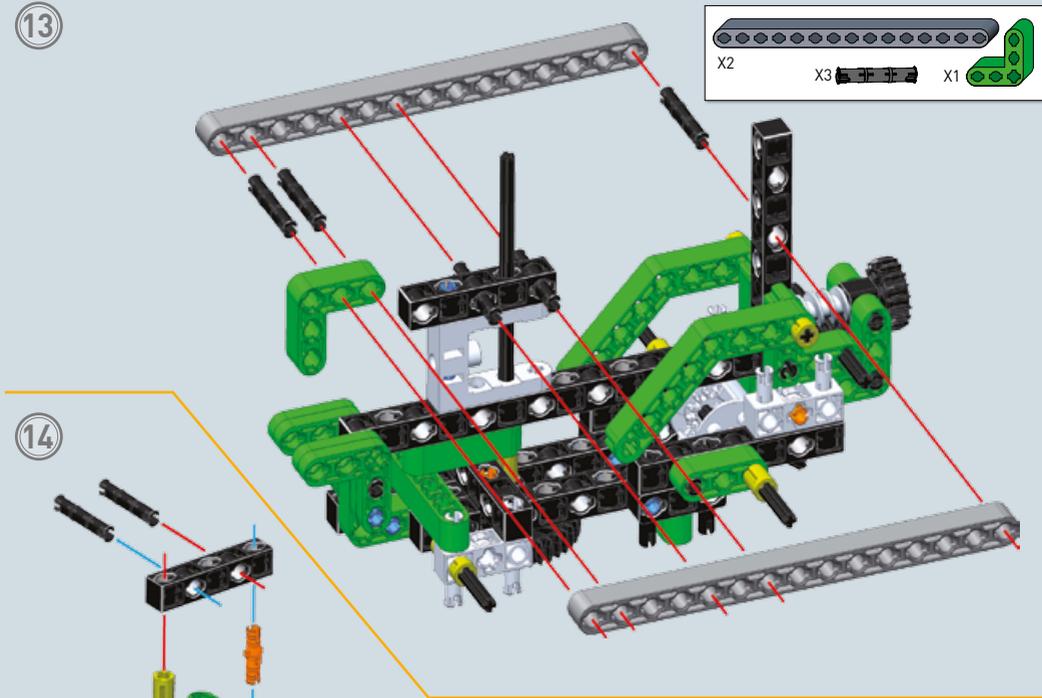
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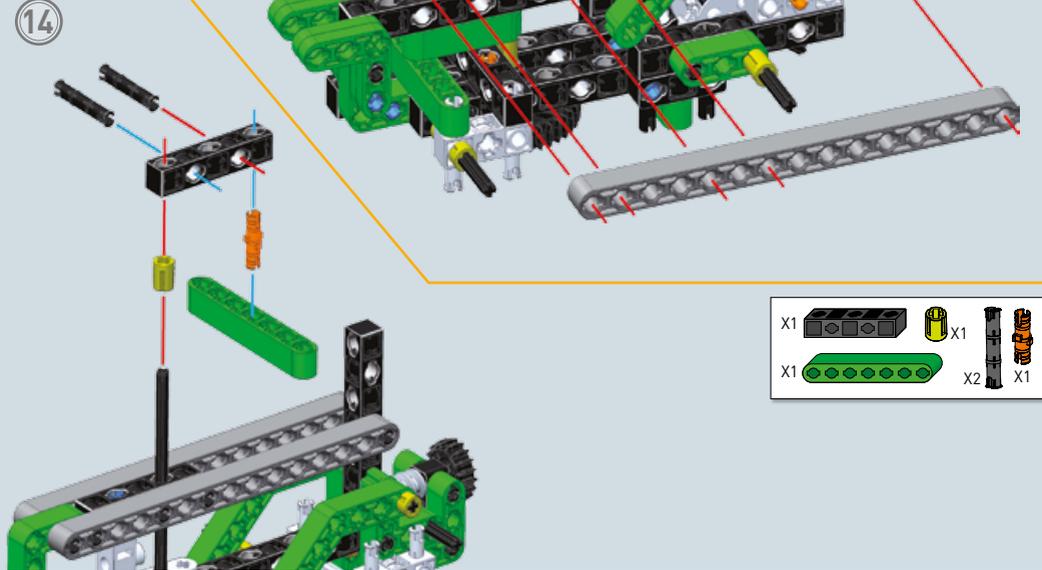
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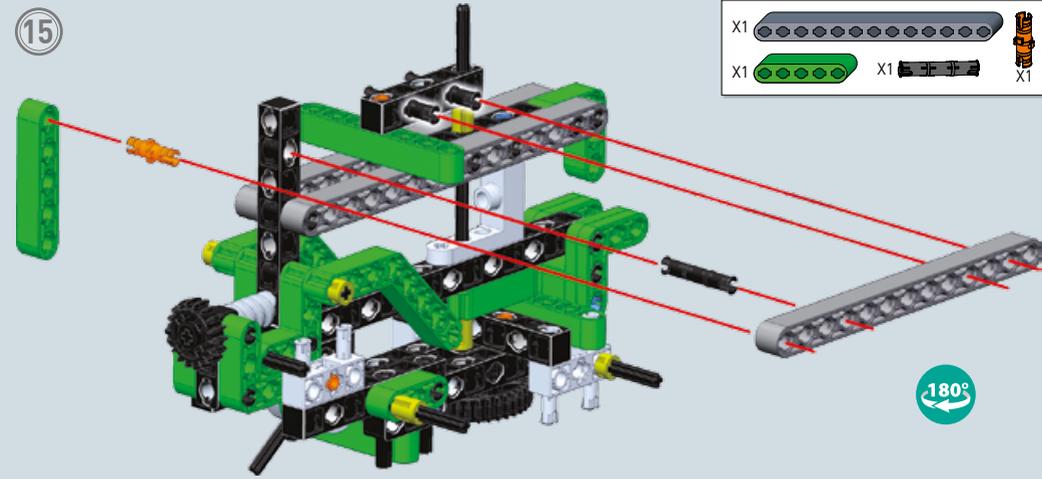
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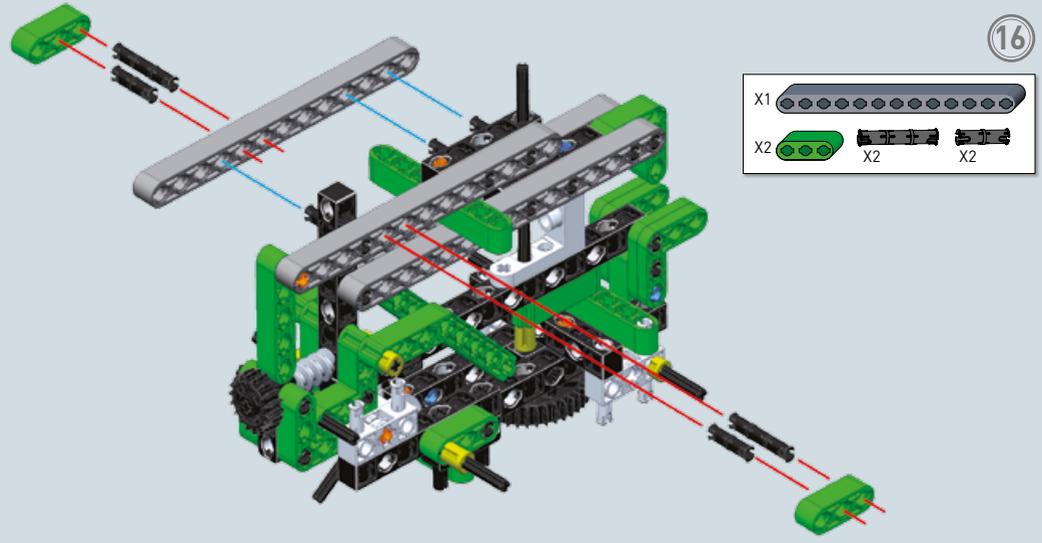
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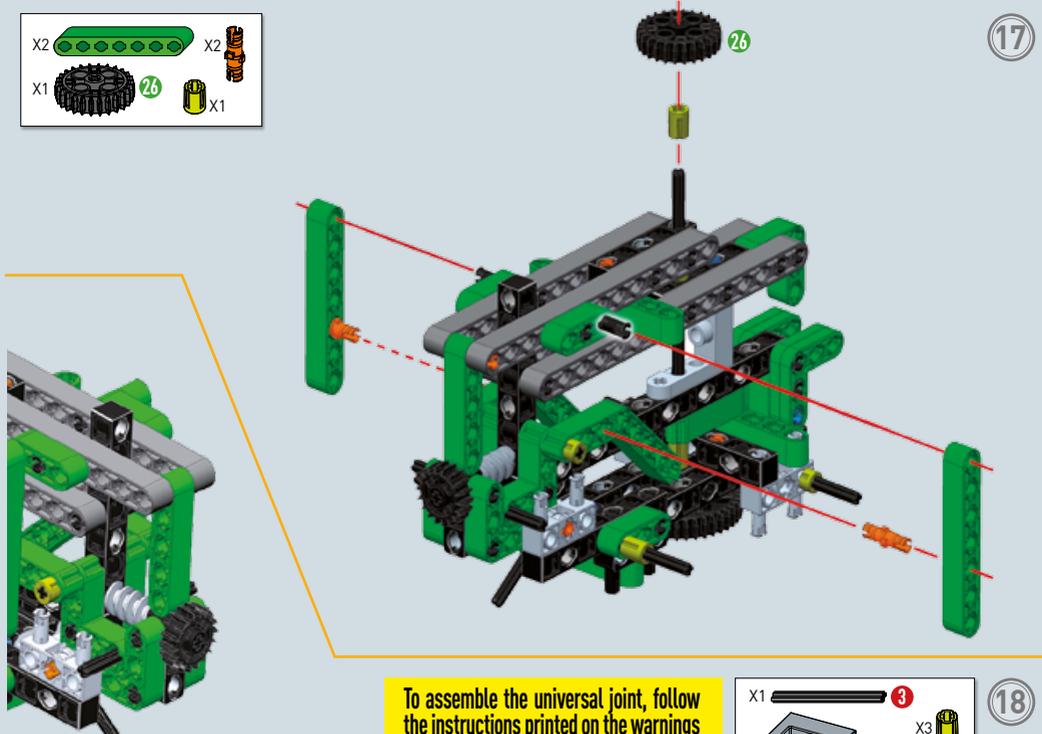
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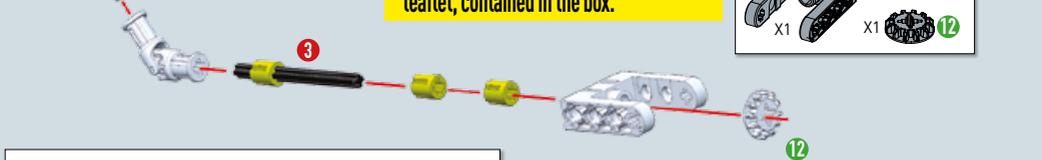


17



To assemble the universal joint, follow the instructions printed on the warnings leaflet, contained in the box.

18

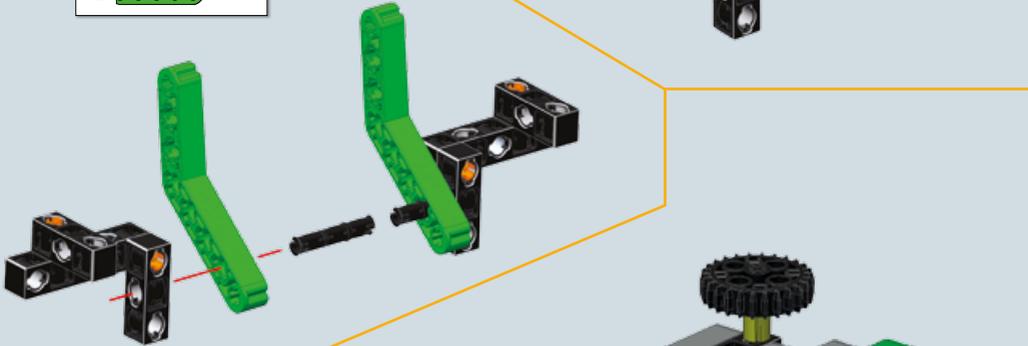


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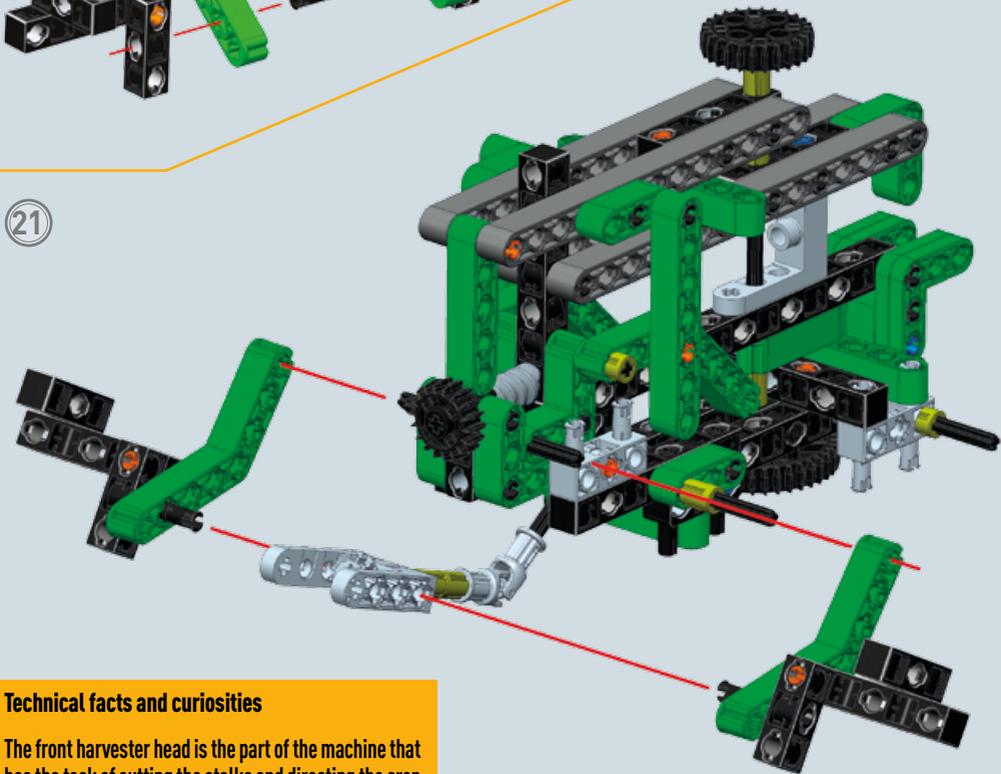
- X4
- X2
- X4

20

- X2
- X2



21

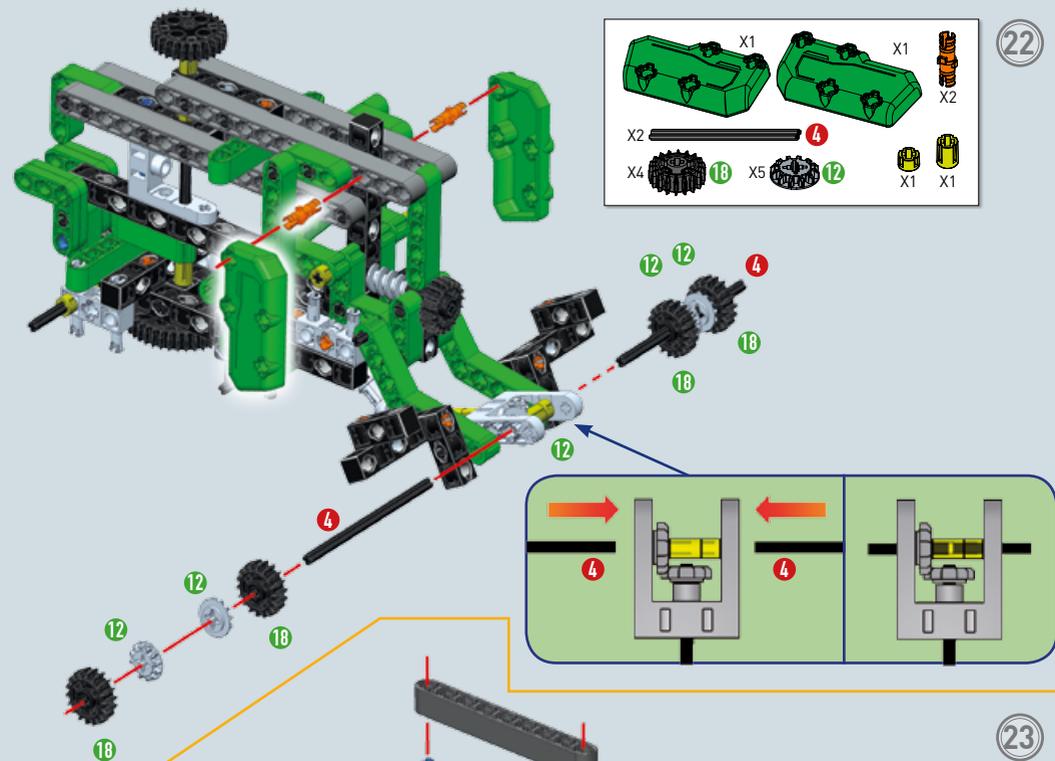


Technical facts and curiosities

The front harvester head is the part of the machine that has the task of cutting the stalks and directing the crop inside the machine. Harvester heads can be generic cutter bars or even "husking machines" for corn.

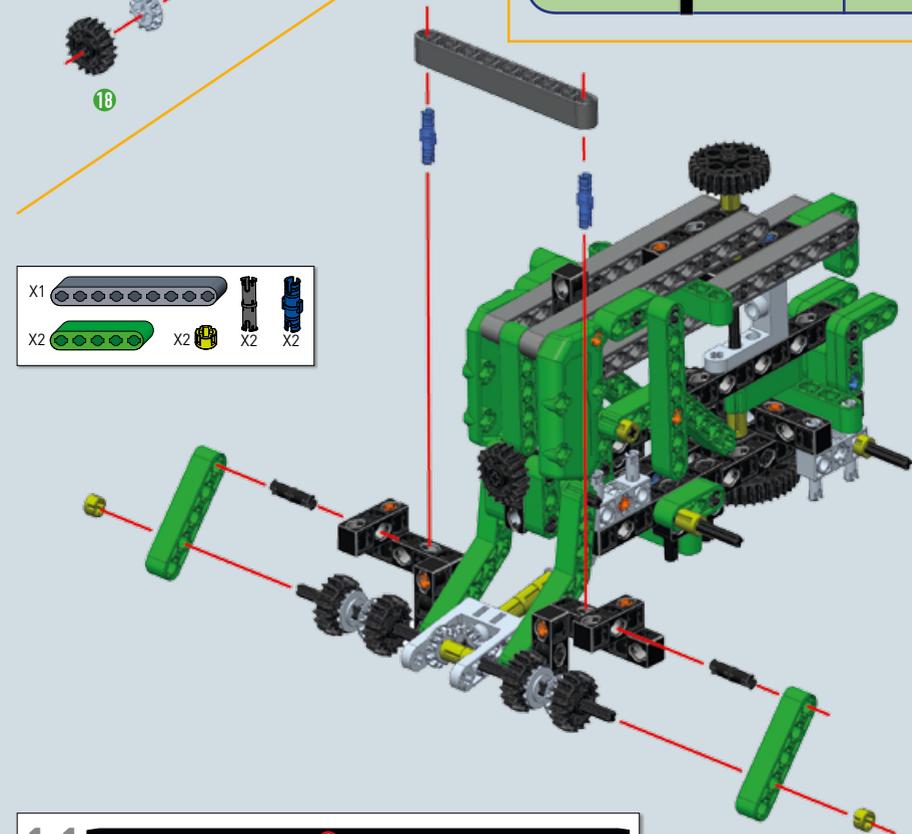
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- X1
- X1
- X2
- X2
- X4
- X5
- X1
- X1



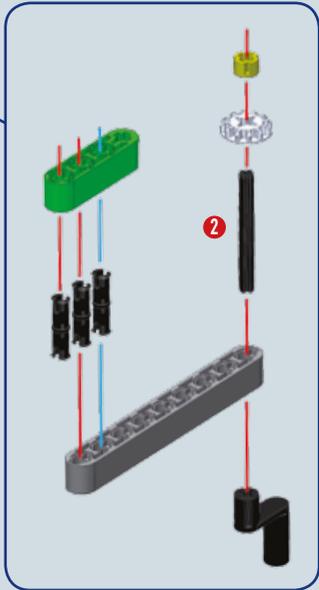
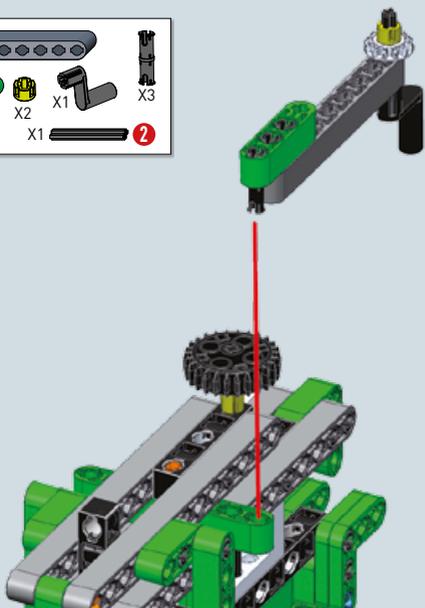
23

- X1
- X2
- X2
- X2
- X2



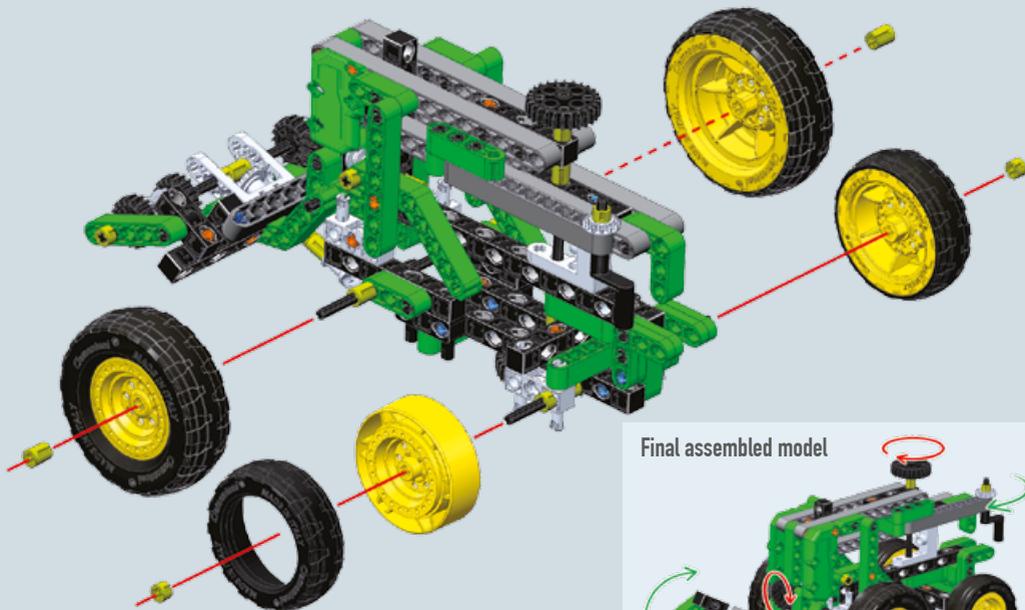
24

- X1
- X1
- X1
- X2
- X1
- X3
- X1
- 12
- X1
- 2



25

- X2
- X2
- X2
- X2
- X2
- X2



1:1