

LEGO education

SPIKE™
Prime

ROBOTMAKERS
Recognized LEGO® Online Community of Robot Experts
MAKE • SHARE • INSPIRE

Building Instructions SPIKE Prime

Self-uprighting balancing LEGO Robots

vives

LEGO m

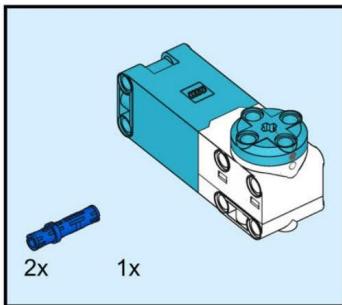
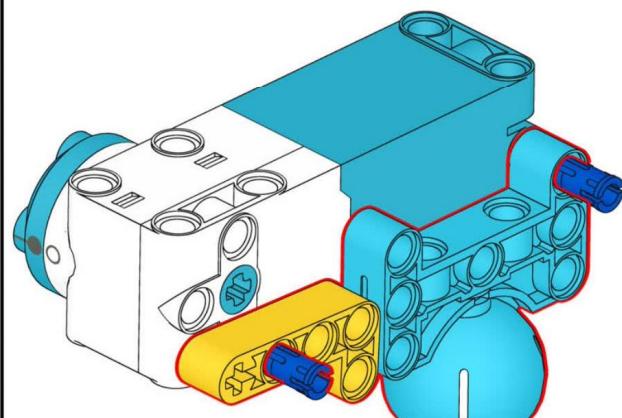
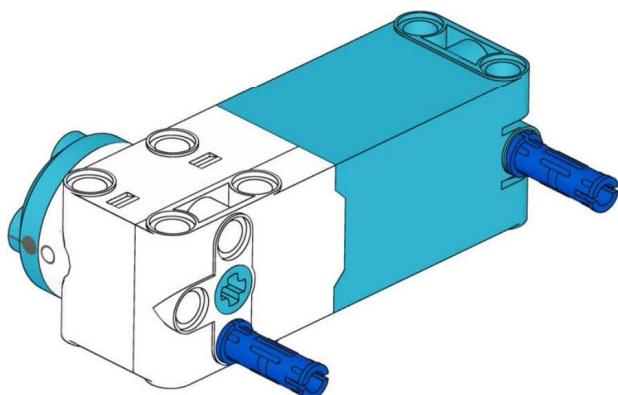
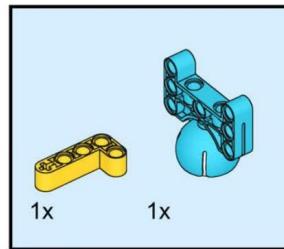
Pybricks

LEGO education

By Dimi
LEGO® Education Academy
Certified Trainer

Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

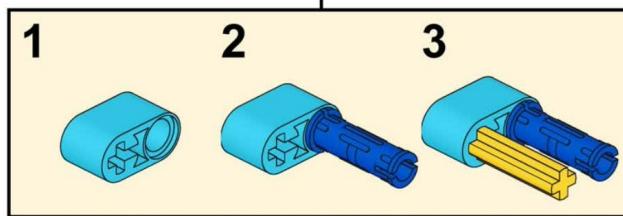
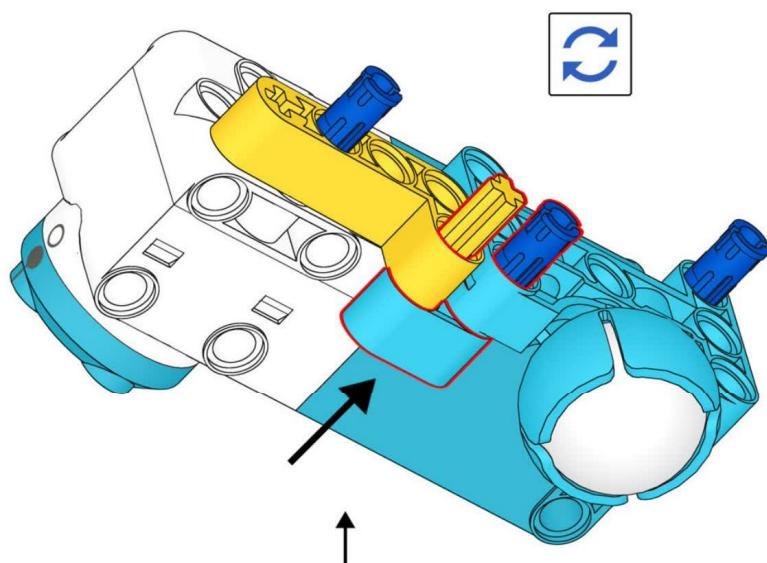
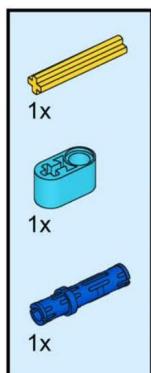
Page 1/31

1**2**

Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

LEGO education vives
INNOVATION STUDIO

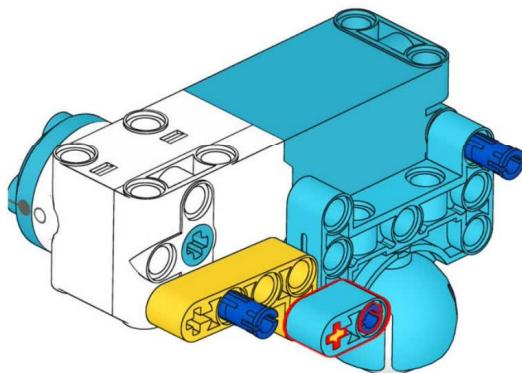
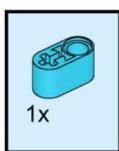
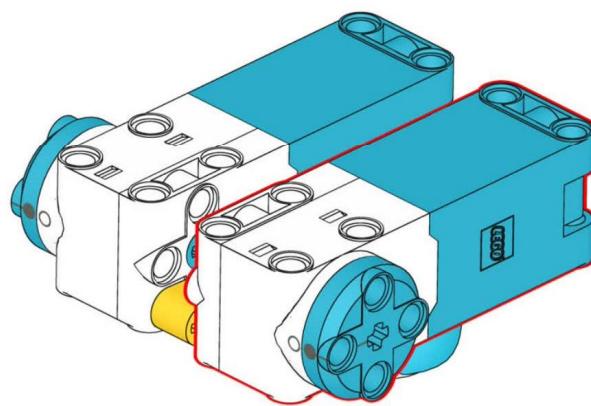
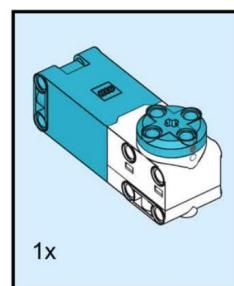
Page 2/31

3

Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

LEGO education vives
INNOVATION STUDIO

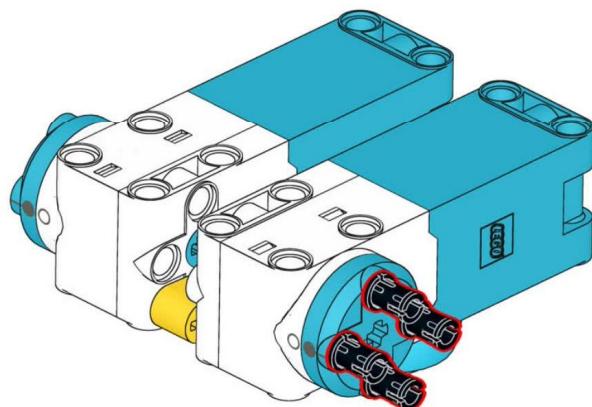
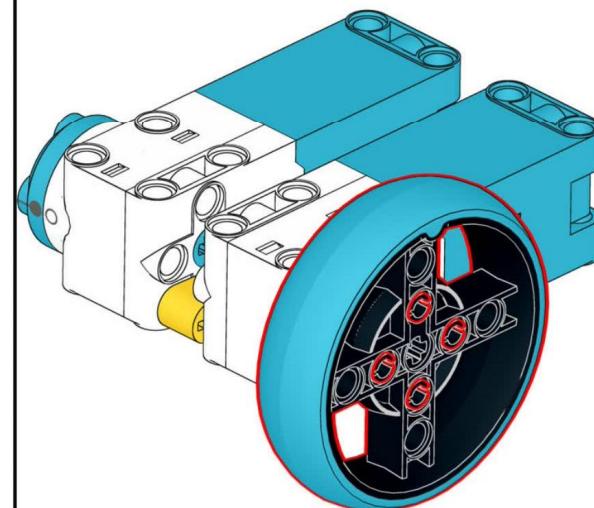
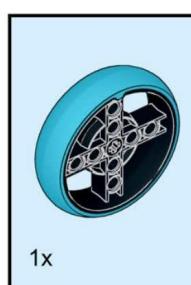
Page 3/31

4**5**

Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 4/31

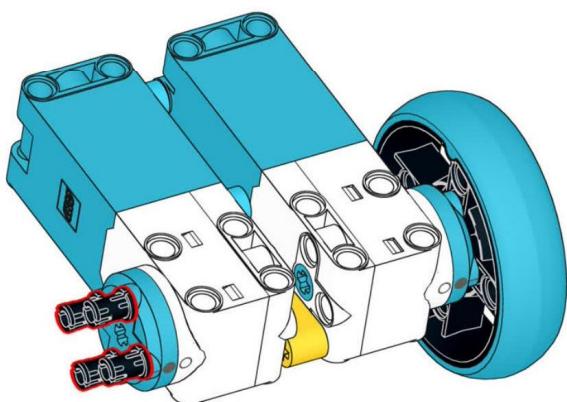
6**7**

Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

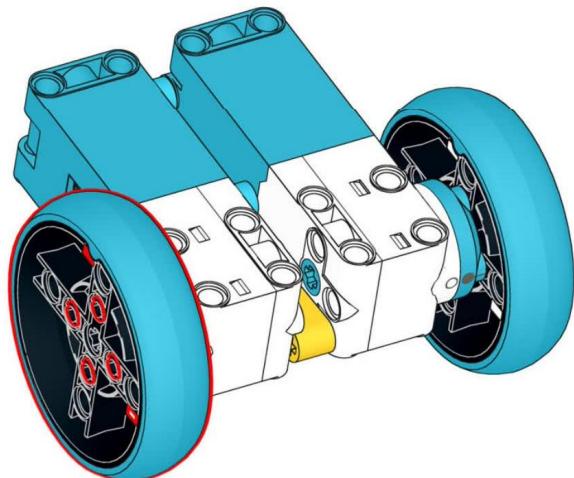
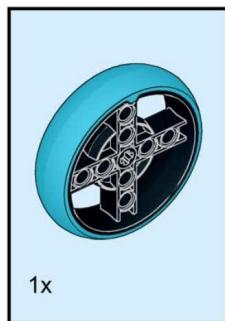


Page 5/31

8



9

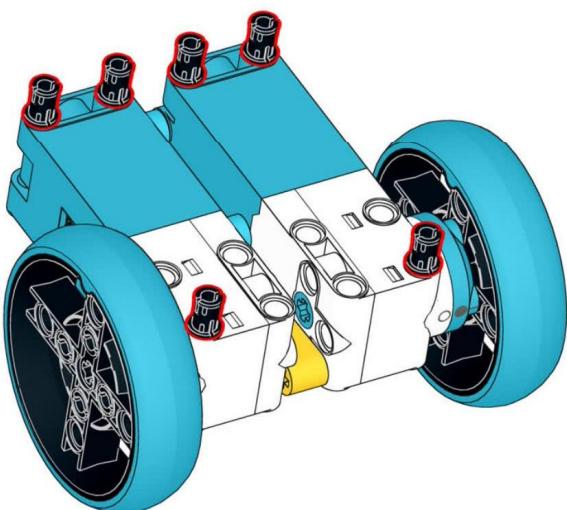
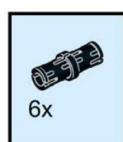


Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

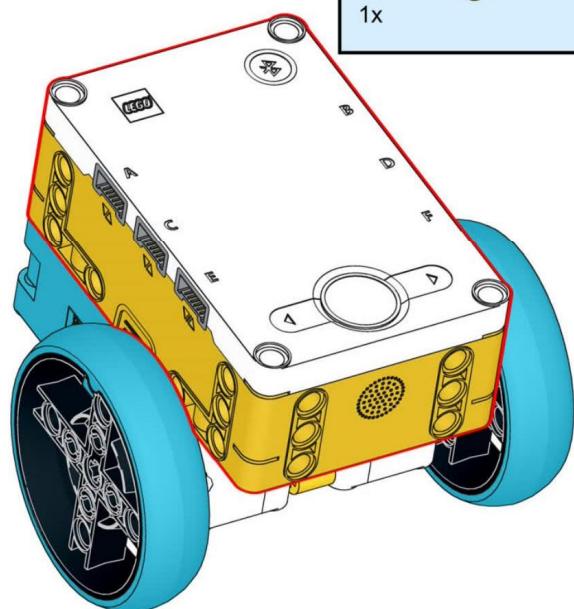
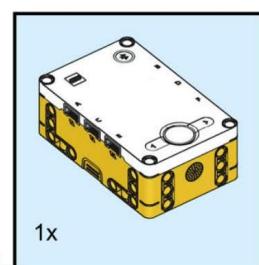


Page 6/31

10



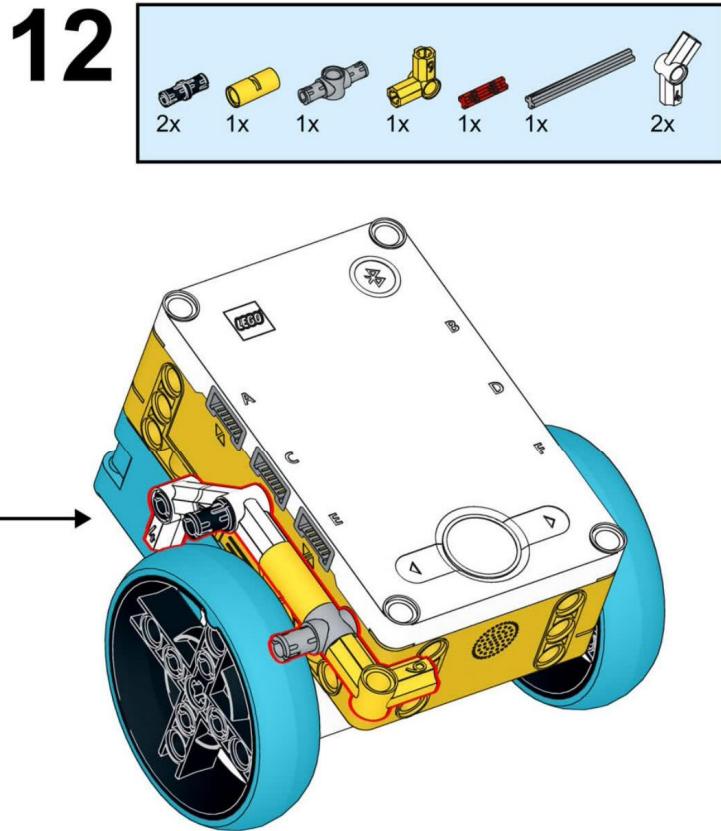
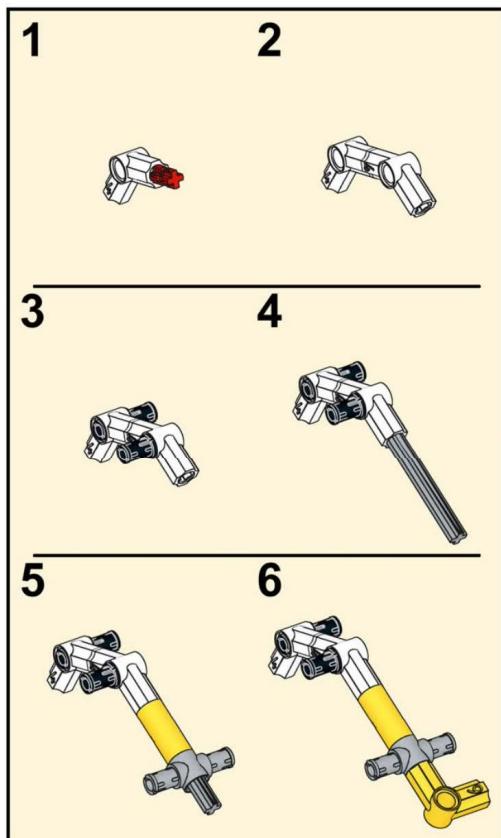
11



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



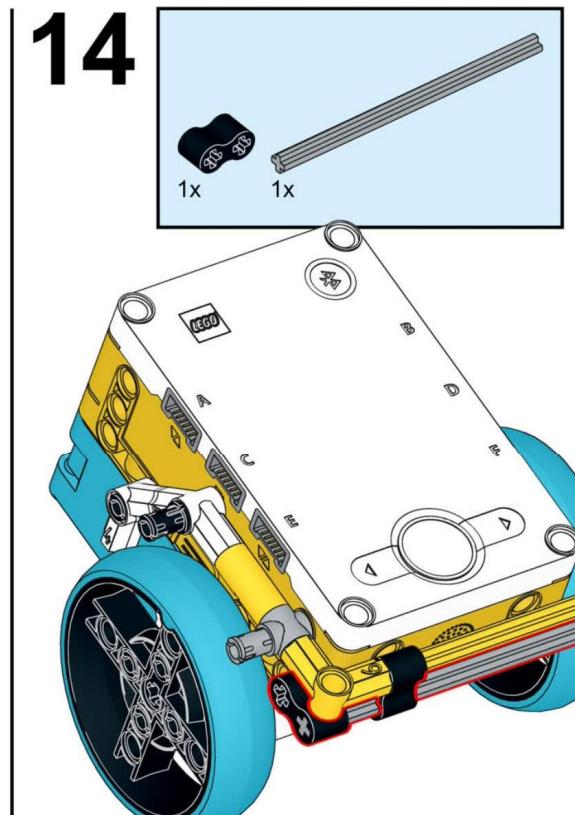
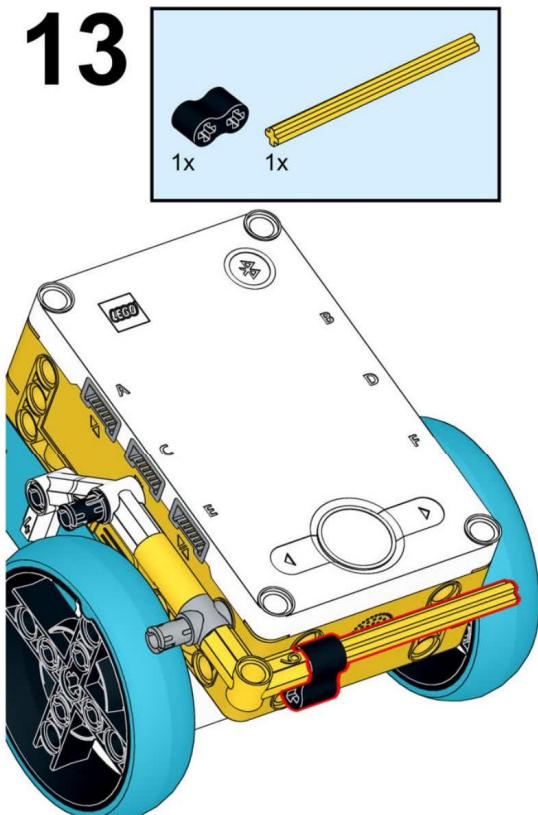
Page 7/31



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

LEGO education vives
INNOVATION STUDIO

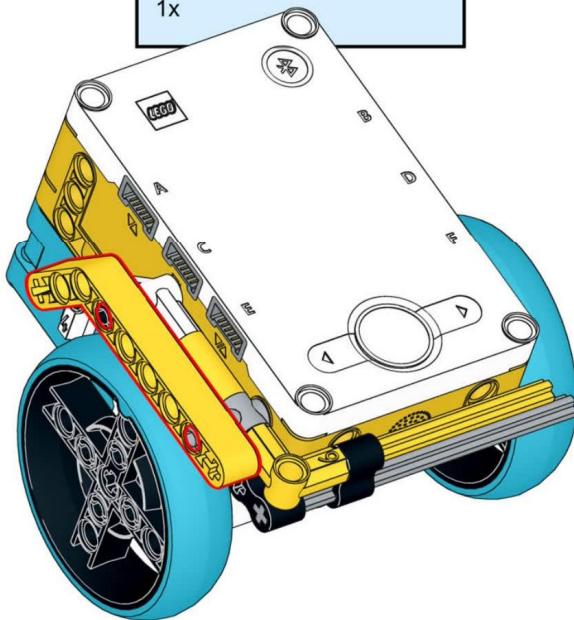
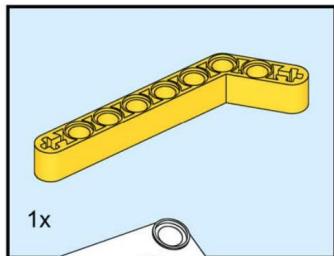
Page 8/31



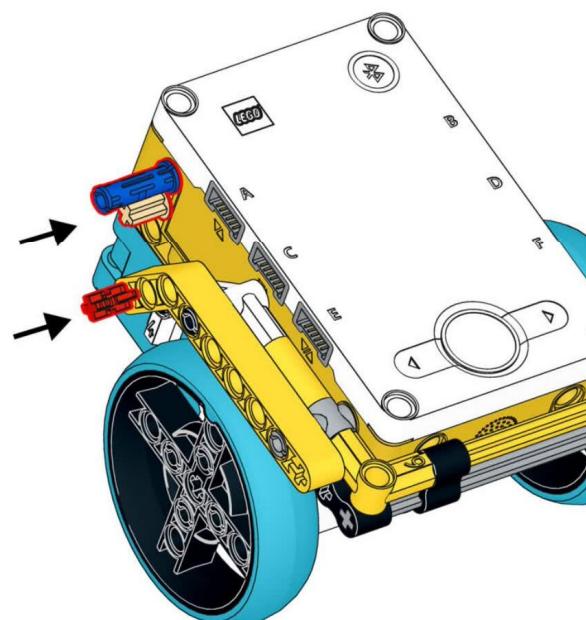
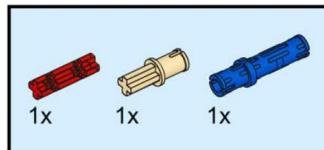
Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

LEGO education vives
INNOVATION STUDIO

Page 9/31

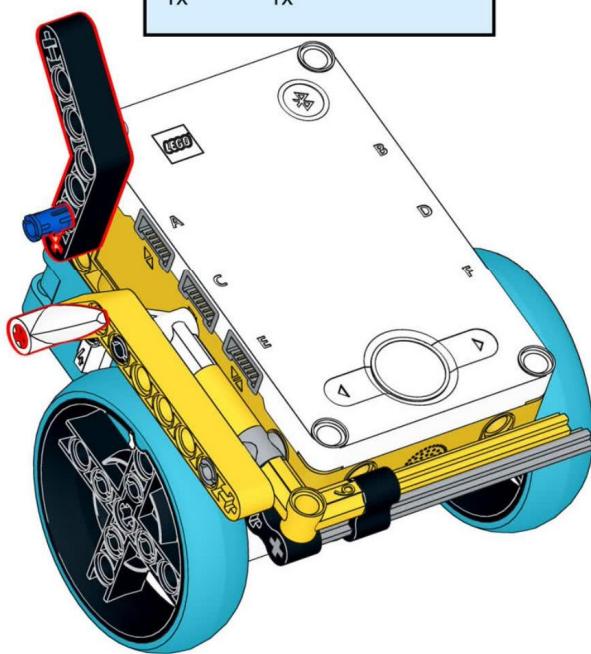
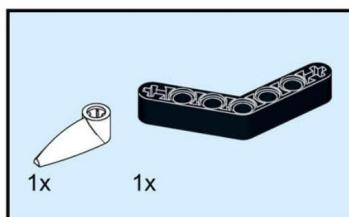
15

Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

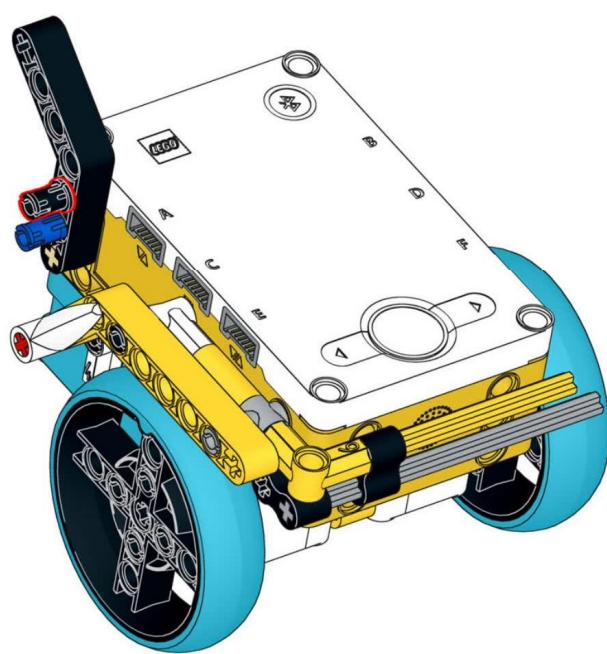
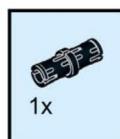
16

LEGO education vives
INNOVATION STUDIO

Page 10/31

17

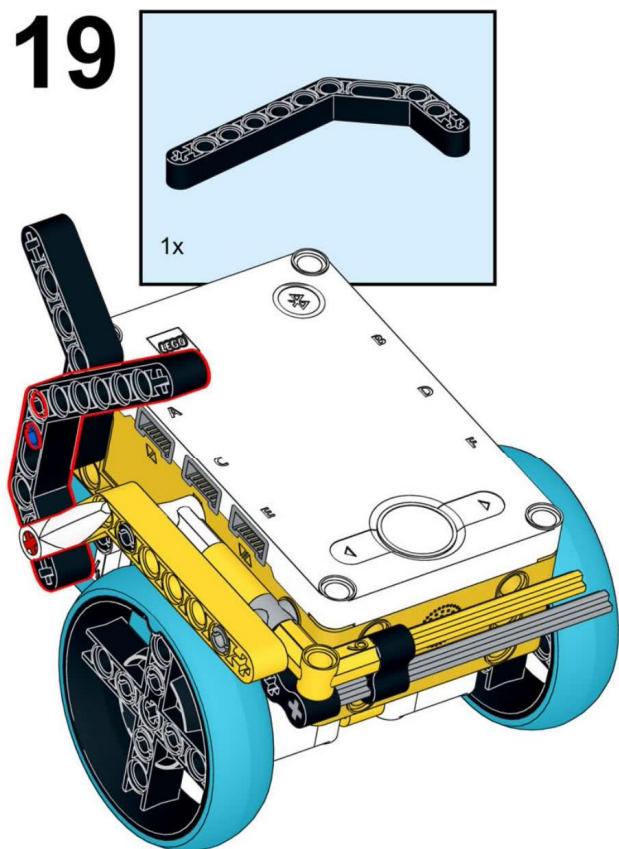
Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

18

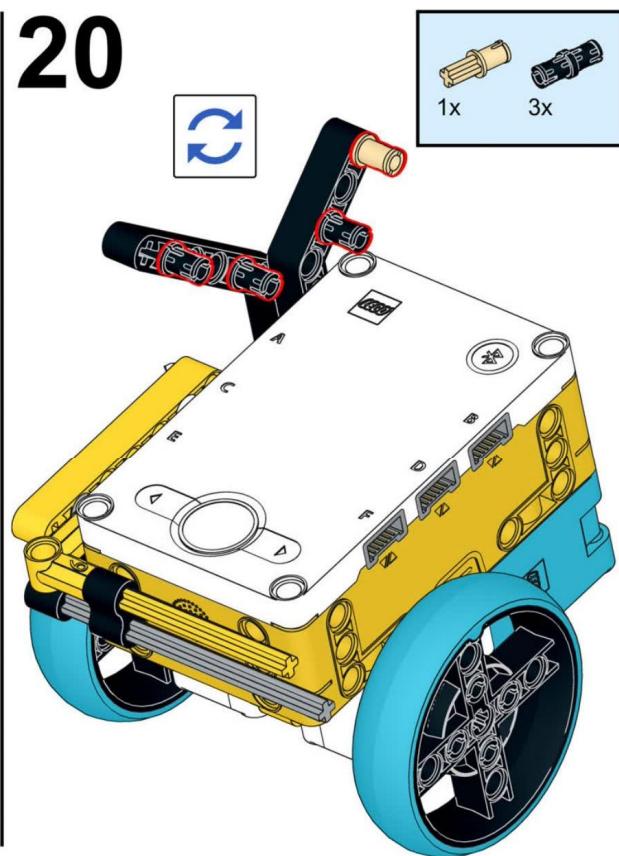
LEGO education vives
INNOVATION STUDIO

Page 11/31

19



20

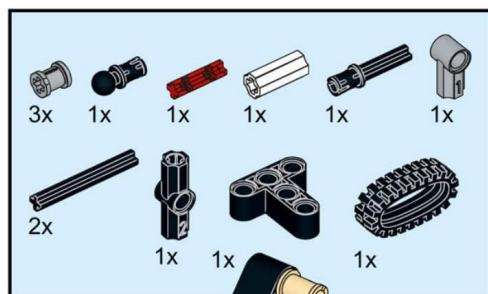


Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

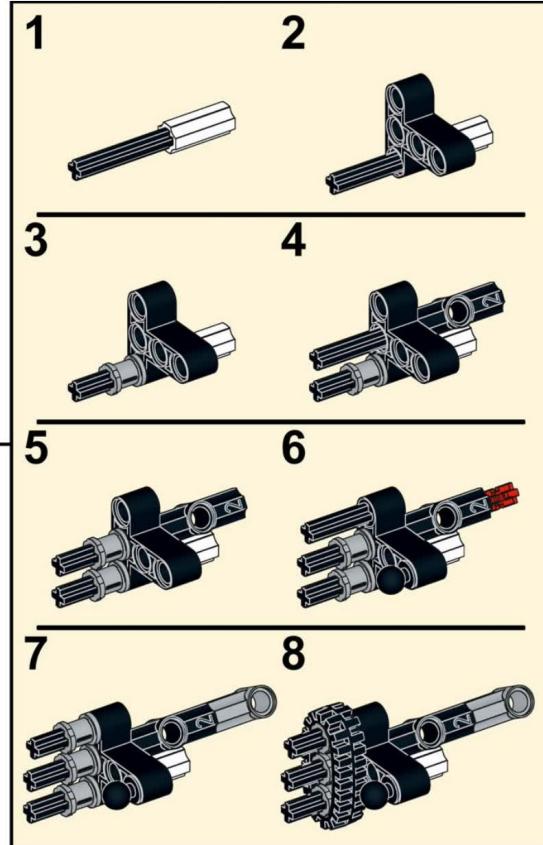
LEGO education INNOVATION STUDIO

Page 12/31

21



LEGO SPIKE Self-Uprighting Balancer by Dimi V1

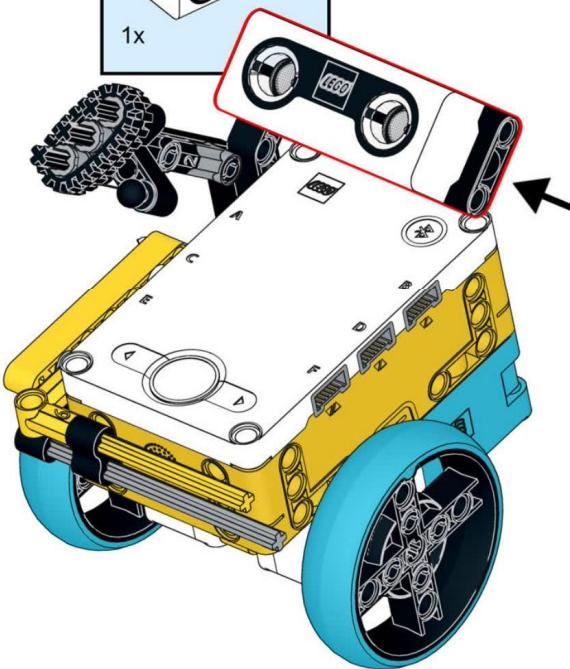
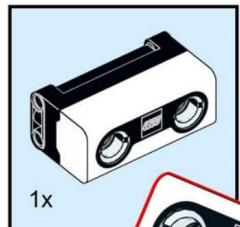


Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

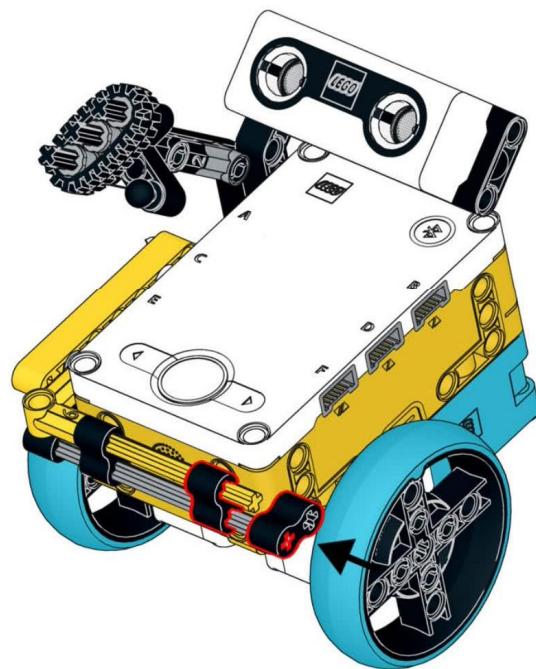
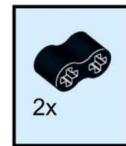
LEGO education INNOVATION STUDIO

Page 13/31

22



23

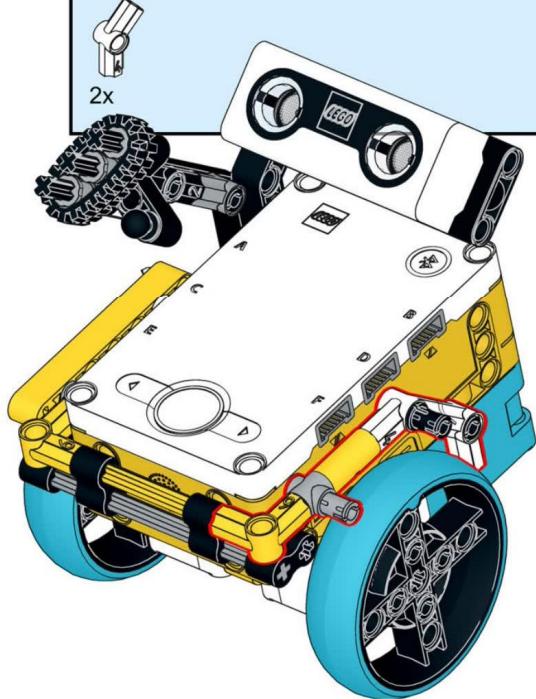
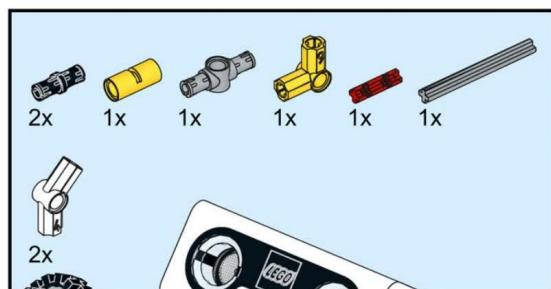


Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 14/31

24



1



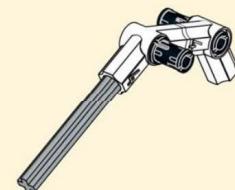
2



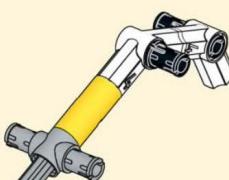
3



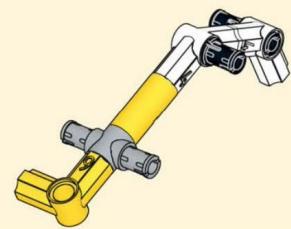
4



5



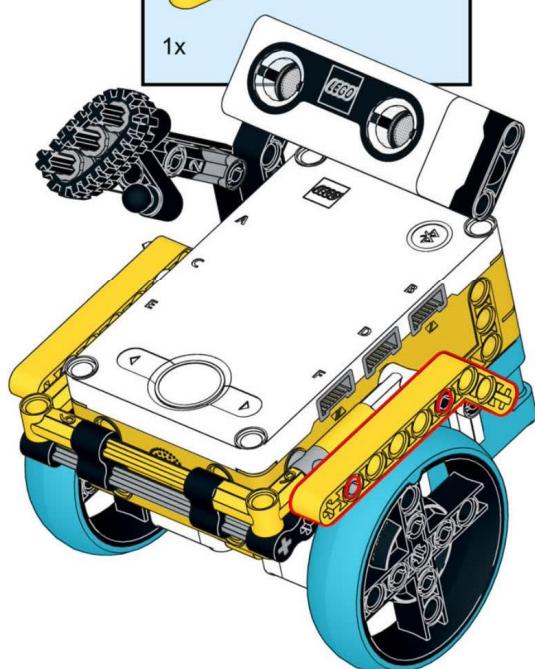
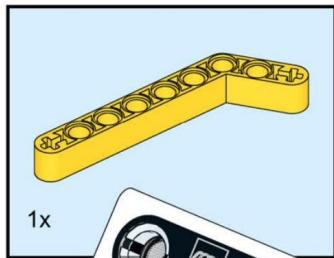
6



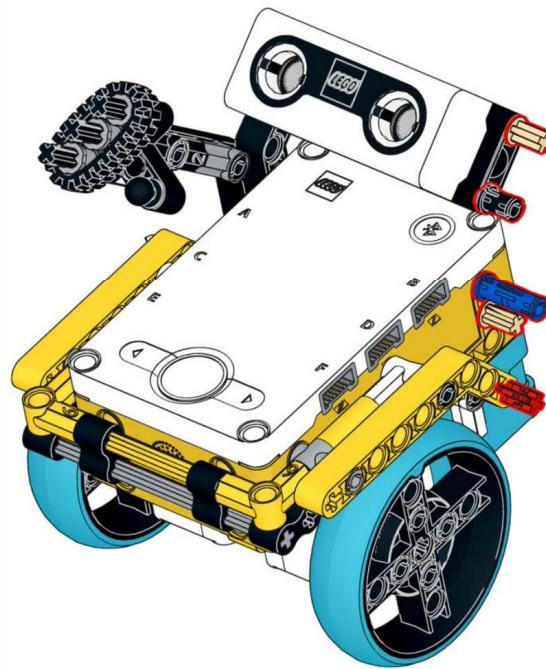
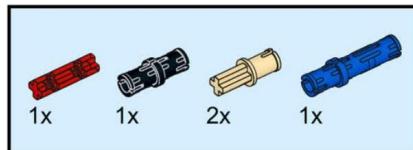
Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 15/31

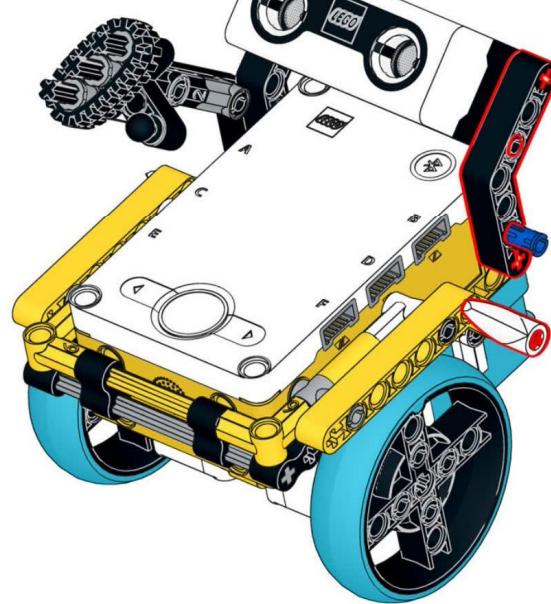
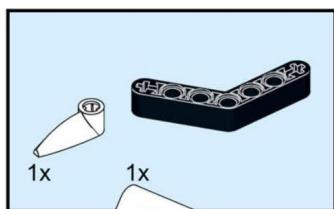
25

Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

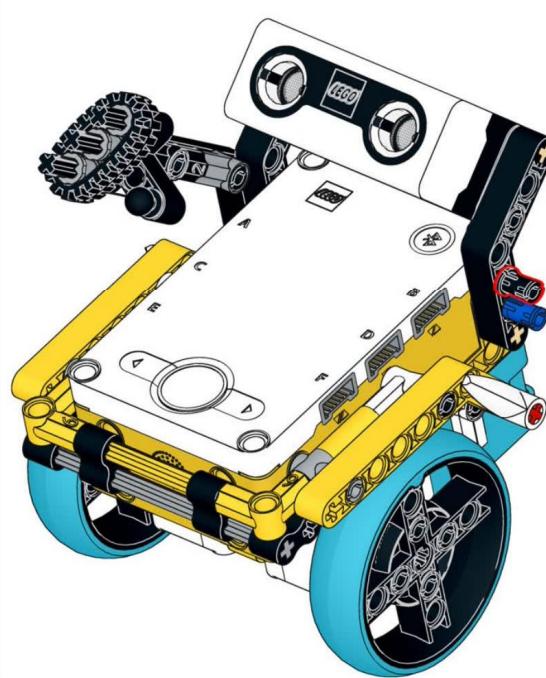
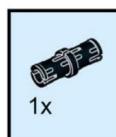
26

LEGO education vives
INNOVATION STUDIO

Page 16/31

27

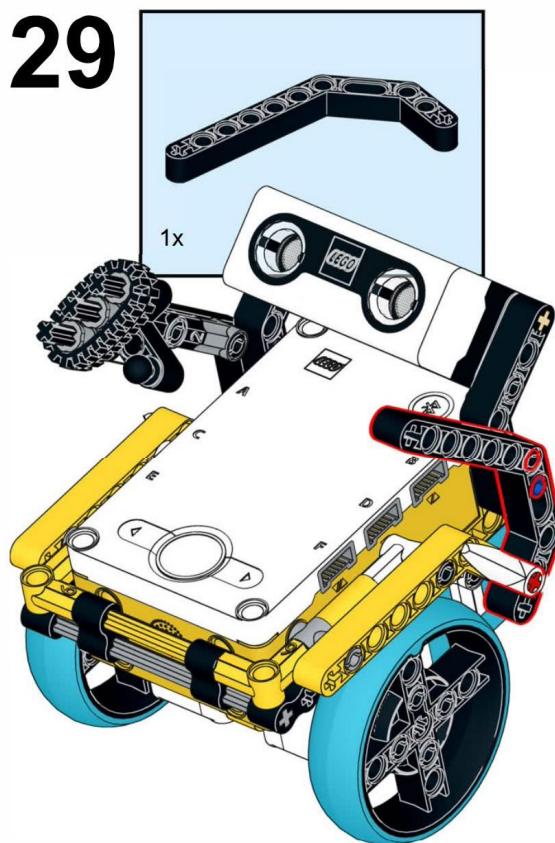
Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

28

LEGO education vives
INNOVATION STUDIO

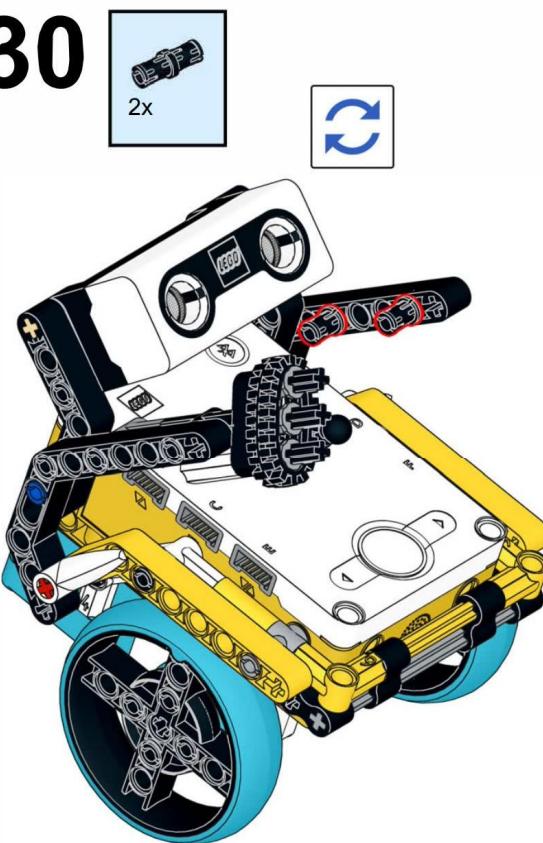
Page 17/31

29



1x

30



2x



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

LEGO education INNOVATION STUDIO

Page 18/31

1

2



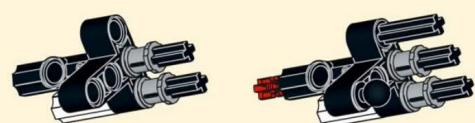
3

4



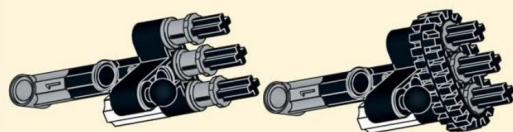
5

6

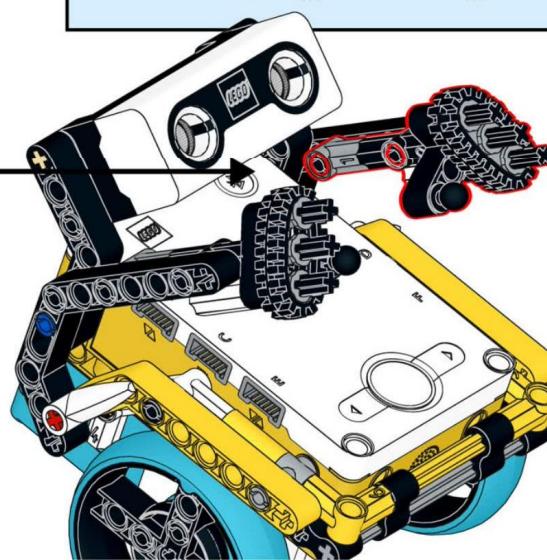
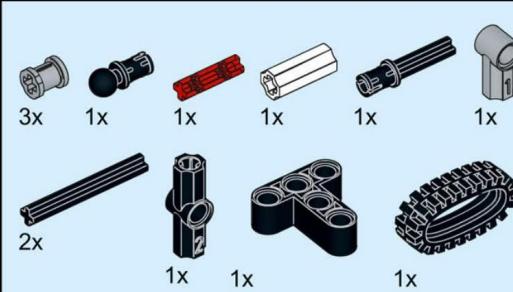


7

8



31

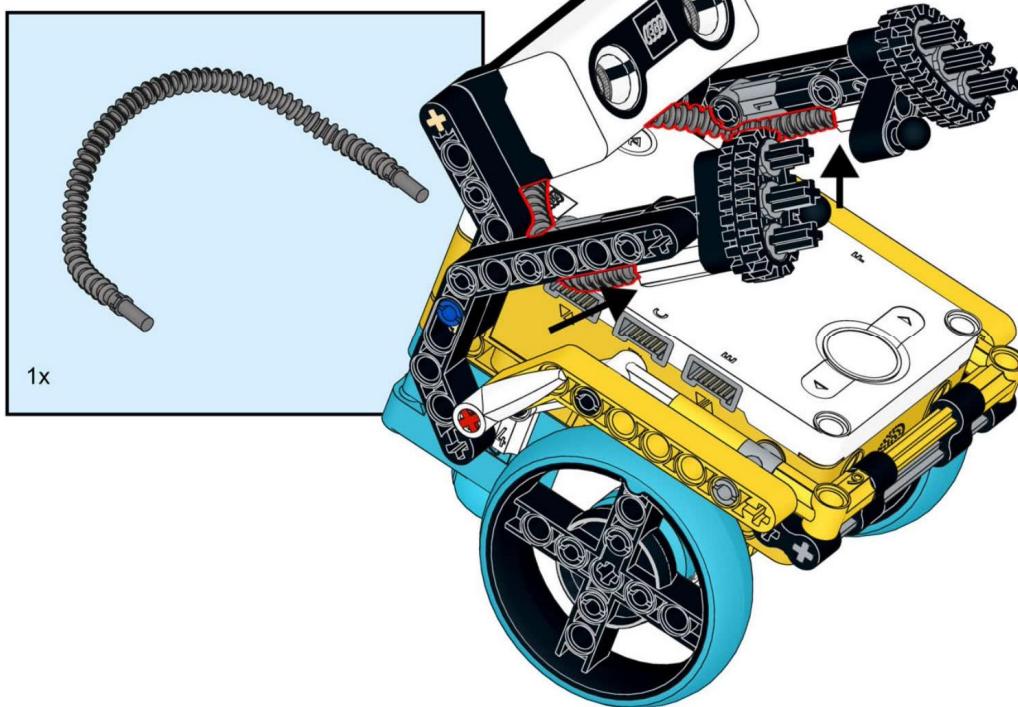


LEGO education INNOVATION STUDIO

Page 19/31

Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

32



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 20/31

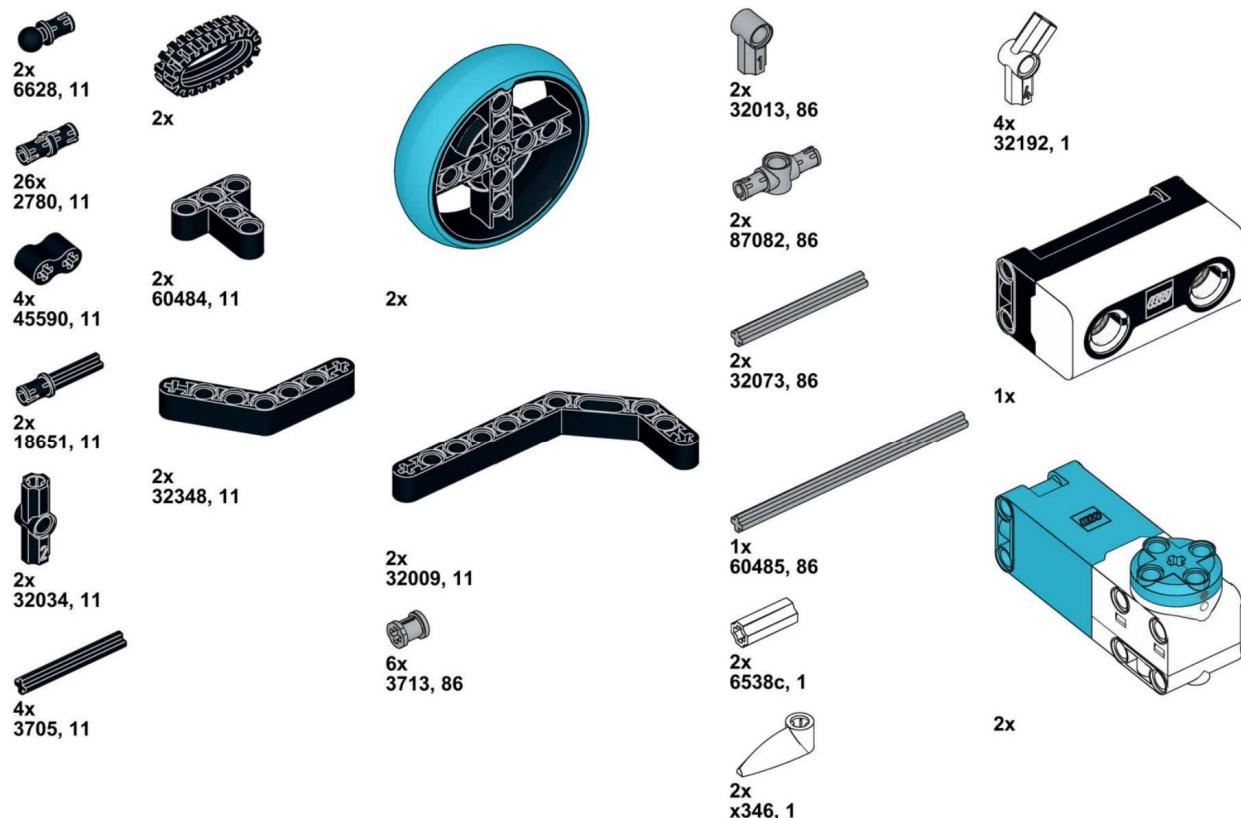
33



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



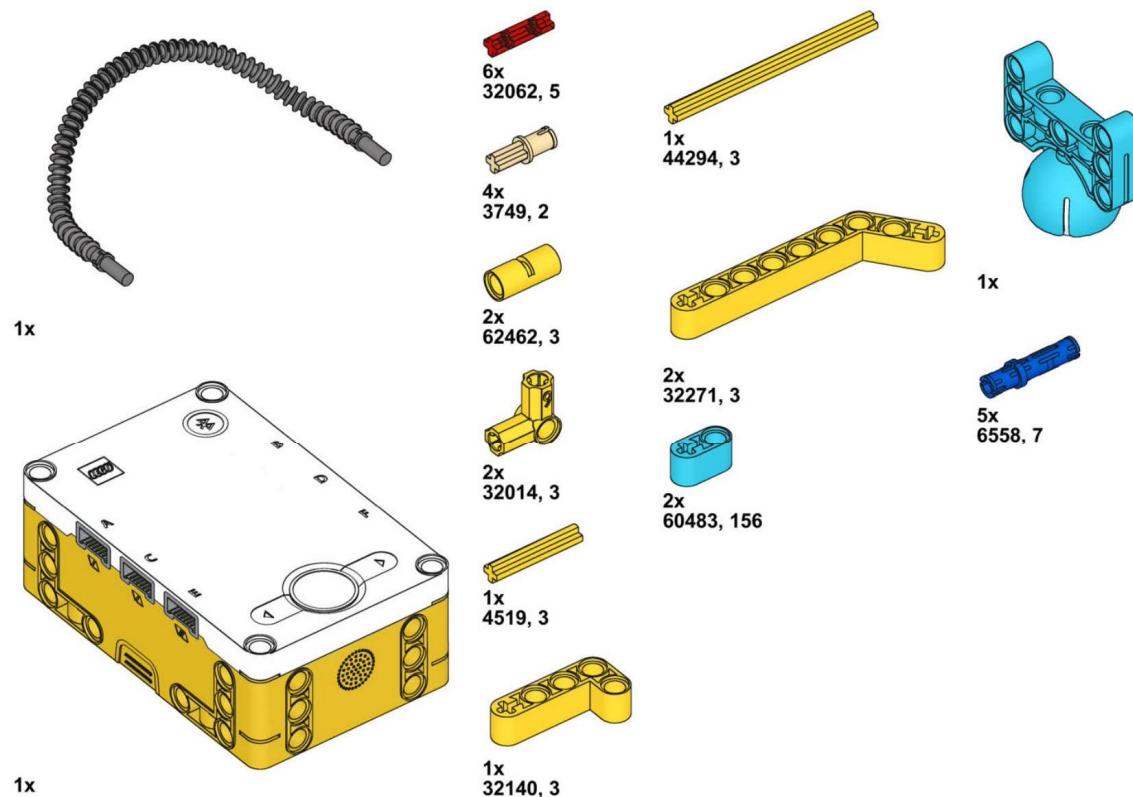
Page 21/31



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 22/31

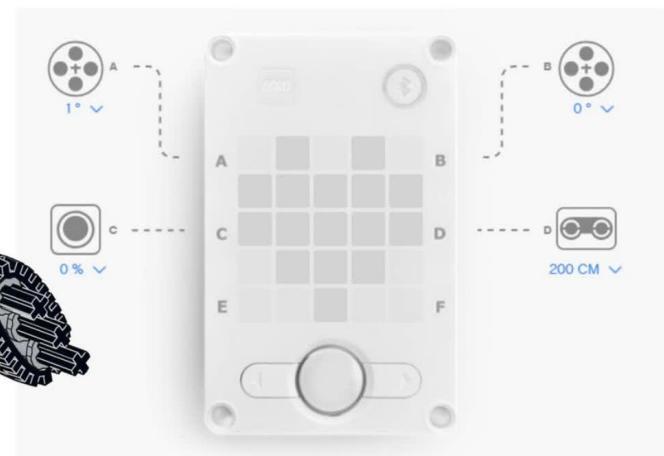
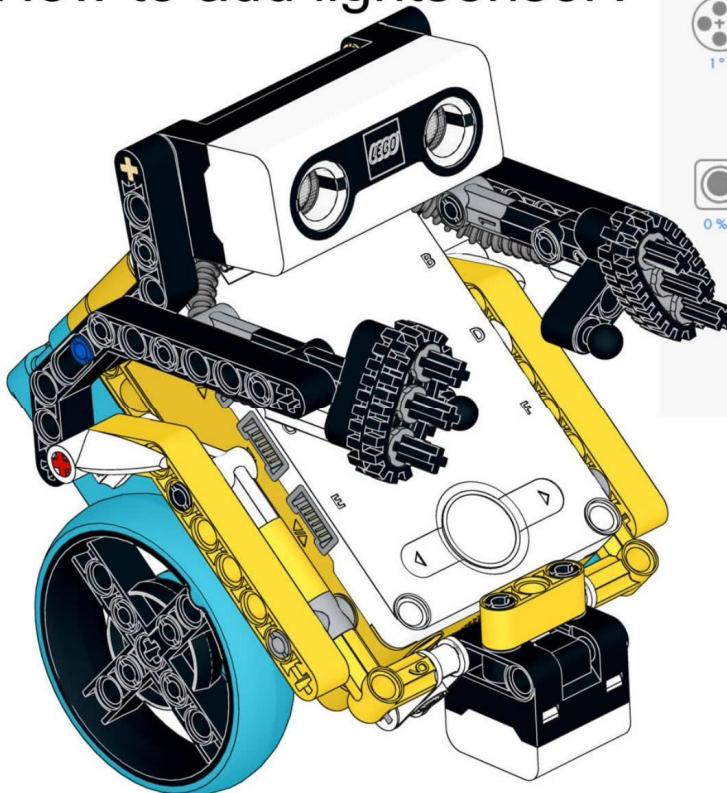


Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 23/31

How to add lightsensor?

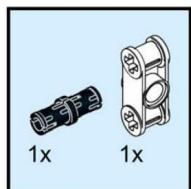


Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

LEGO education vives
INNOVATION STUDIO

Page 24/31

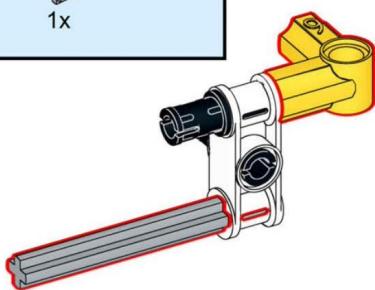
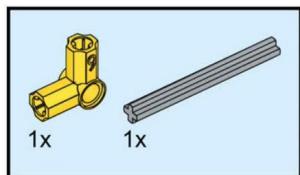
1



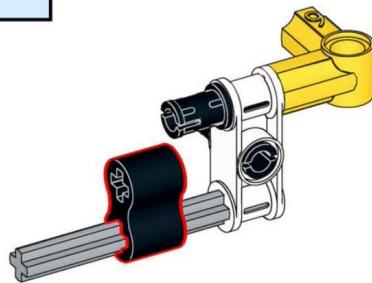
2



3



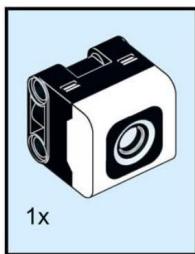
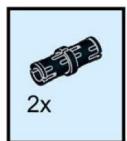
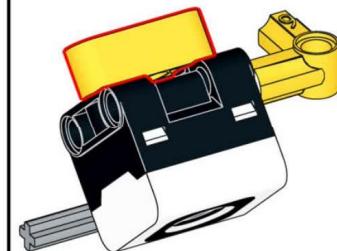
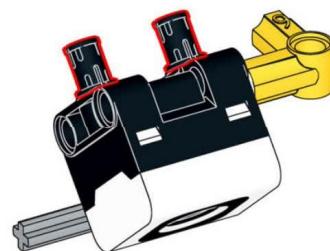
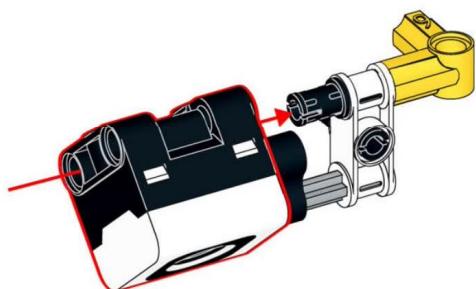
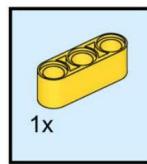
4



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

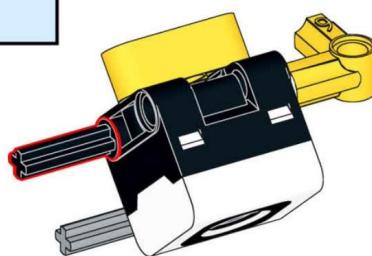
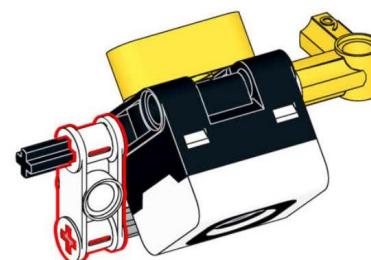
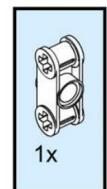
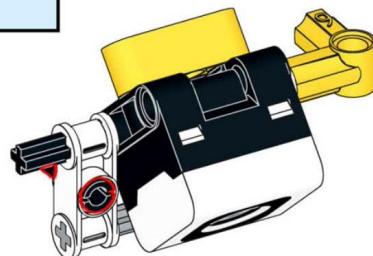
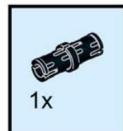
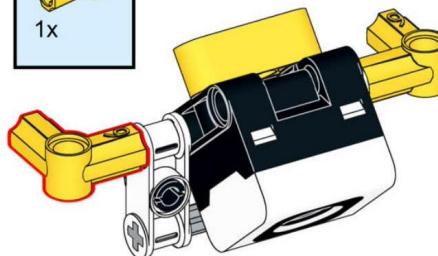
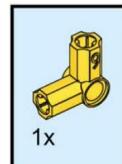
LEGO education vives
INNOVATION STUDIO

Page 25/31

5**6****7**Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

INNOVATION STUDIO

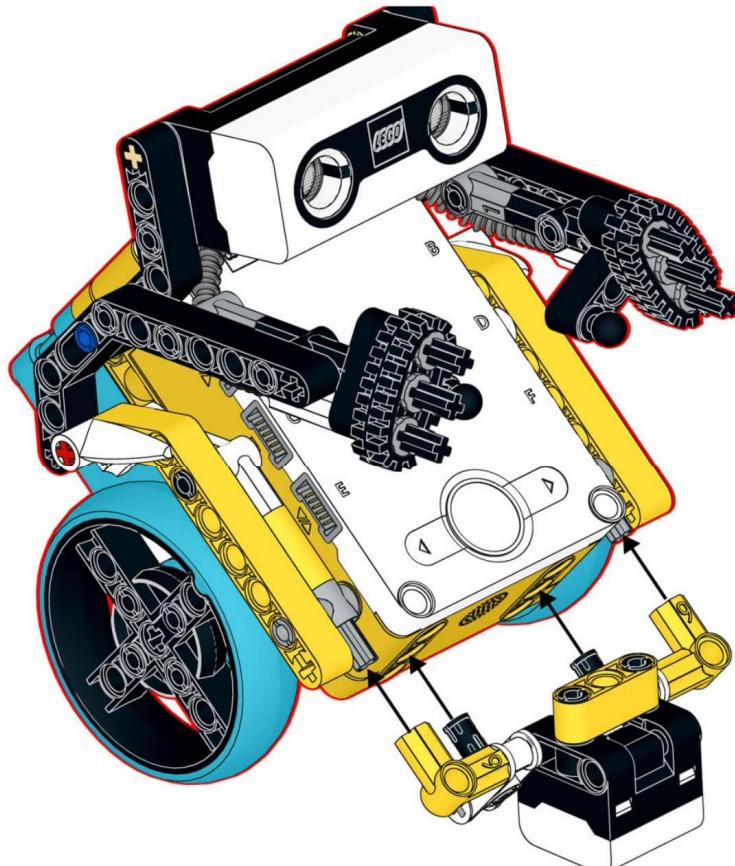
Page 26/31

8**9****10****11**Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen

INNOVATION STUDIO

Page 27/31

12

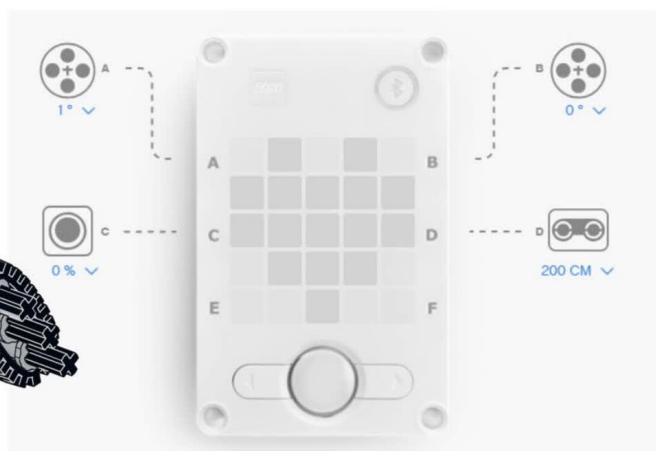
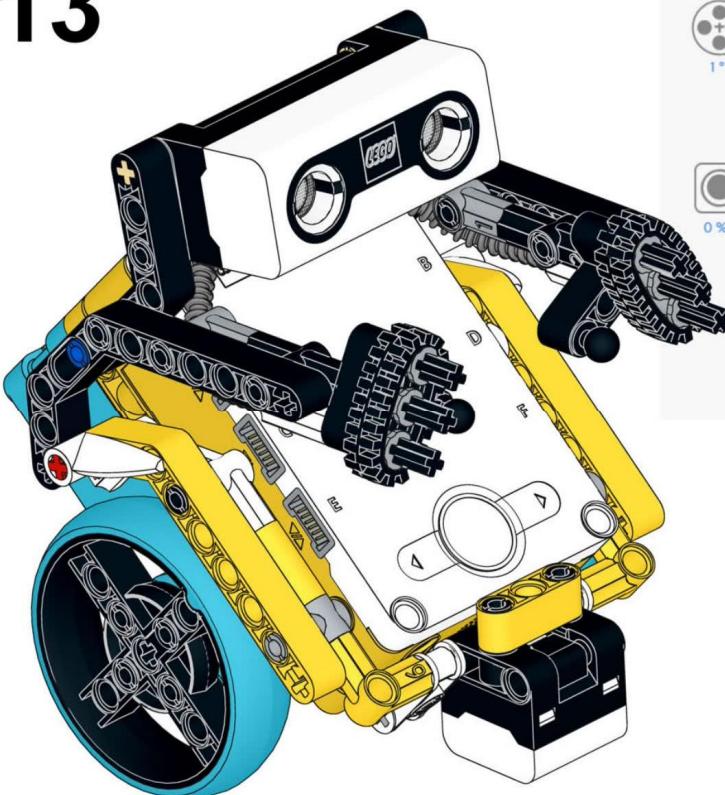


Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 28/31

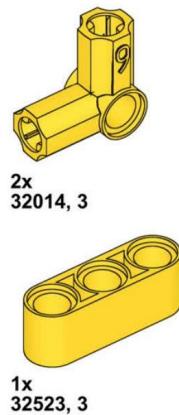
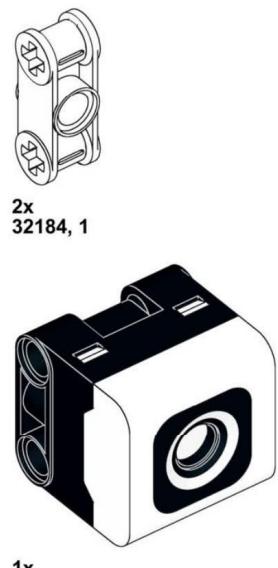
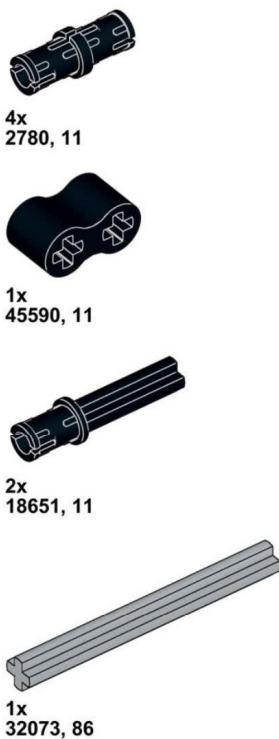
13



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 29/31



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 30/31



© 2020 Dimitri Dekyvere
LEGO® Education Academy
certified STEM Teacher Trainer
LEGO® is a registered trademark of
the LEGO Group, which does not
sponsor, endorse, or authorize these
instructions or the model they depict.

RATO

EDUCATION

WWW.RATOEDUCATION.BE



Instructions
made with
Studio 2.0



Free buildinginstructions + program:
www.legostudiovives.be/bouwideeen



Page 31/31