Mister Blocks

FREE LEGO BUILDING INSTRUCTIONS · PDF

# Boston Dynamics Spot

Spot with its arm: a yellow-and-black robot dog on four backward-bending legs, reaching for a valve on a factory floor.

Free LEGO Boston Dynamics Spot instructions as a printable PDF: a fan-made LEGO MOC built from 146 standard LEGO pieces in 13 steps, with the pieces for every step and a full parts list.

Build it in 3D, step by step:
misterblocks.com/builds/boston-dynamics-spot-lego-build

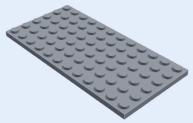
| 146 | 13 | 47 |
|---|---|---|
| PIECES | STEPS | KINDS OF PIECE |



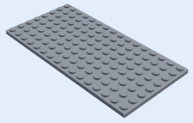
An unofficial fan build. All standard pieces; any similar colour works. Every stud is checked. LEGO is a trademark of the LEGO Group, which does not sponsor this site.

STEP

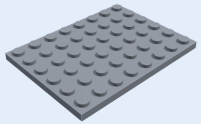
# 1



4x



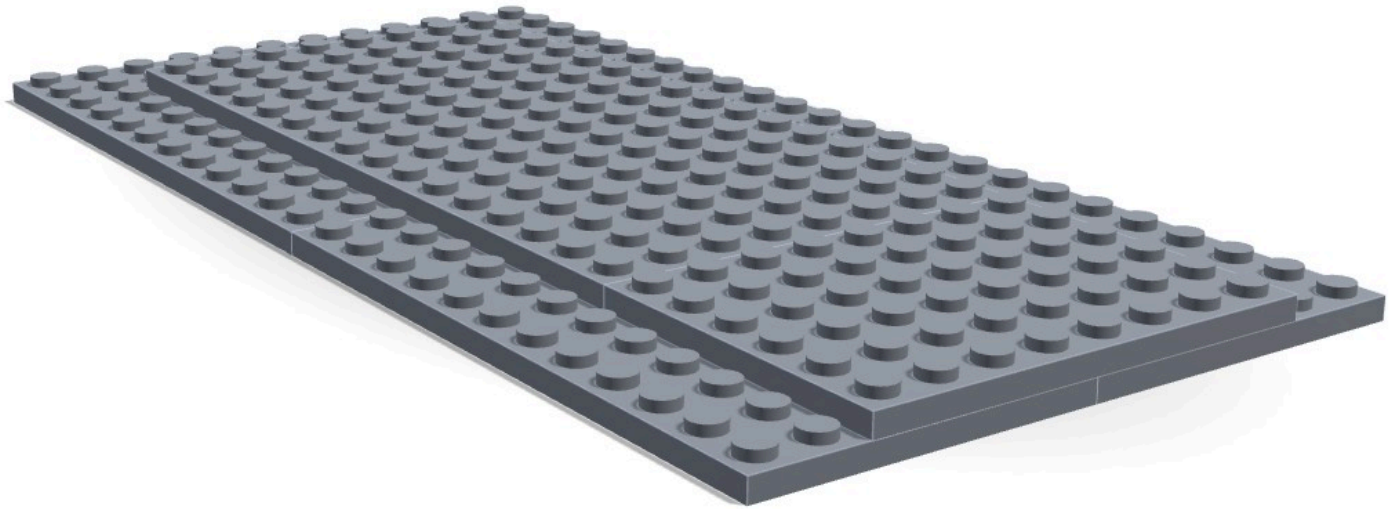
1x



1x

## Industrial floor

Four dark gray 6×12 plates, tied together by the 8×16 floor plate and the work-zone plate in front.



STEP

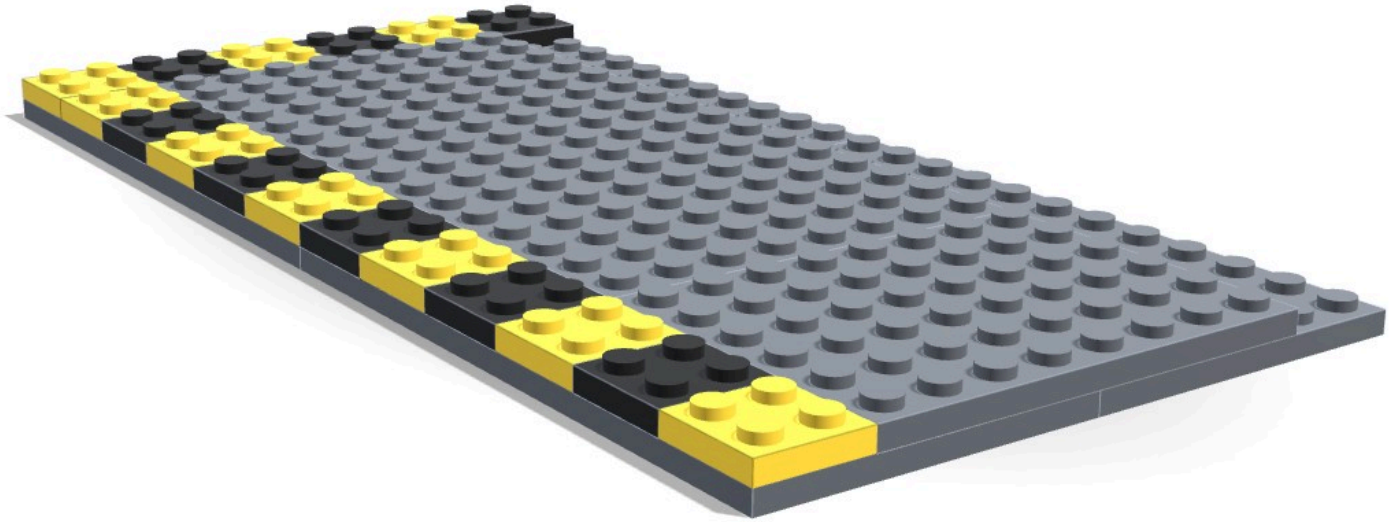
# 2



9x 8x

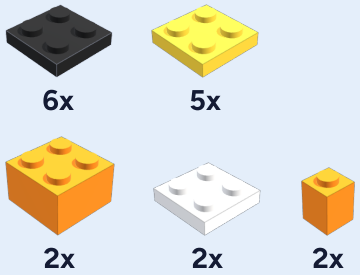
## Hazard tape: back and left

Yellow and black 2×2 plates round the back and down the left side.



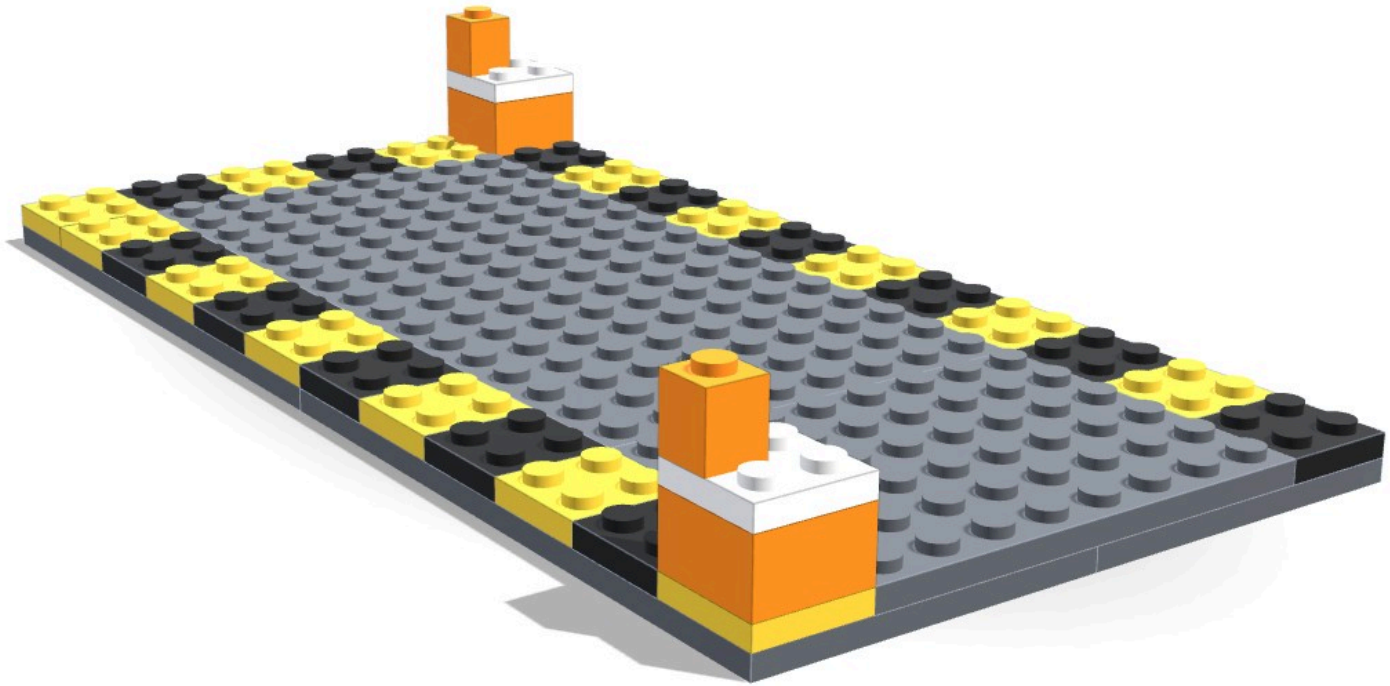
STEP

# 3



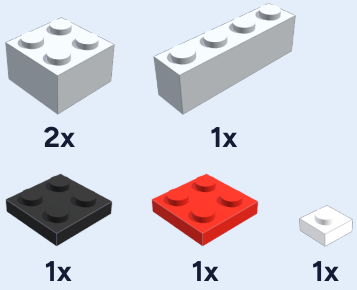

## Hazard tape and cones

The right side of the hazard tape and two orange traffic cones with white stripes.



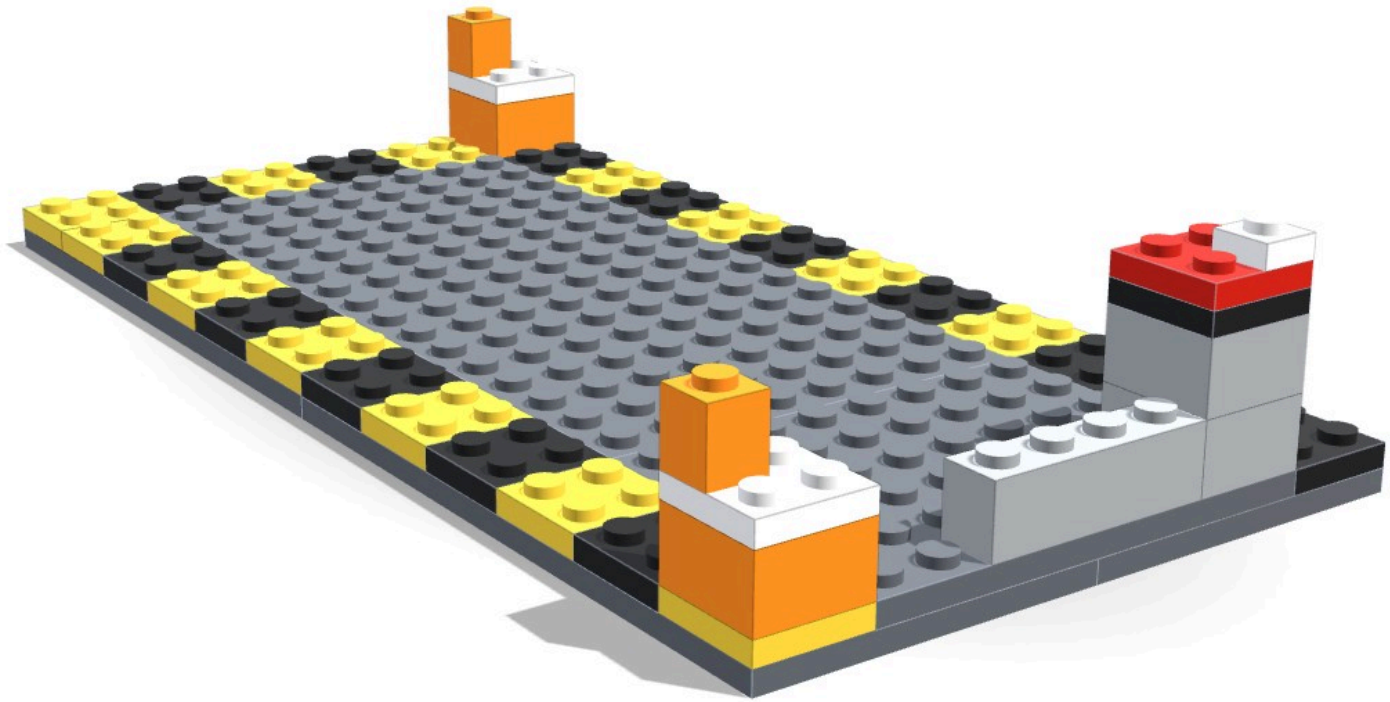
STEP

# 4



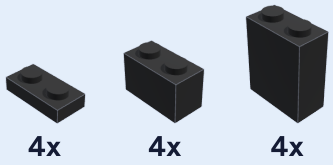

## Inspection point

A gray pipe into a gray post with a red handwheel on top: the valve Spot came to check.



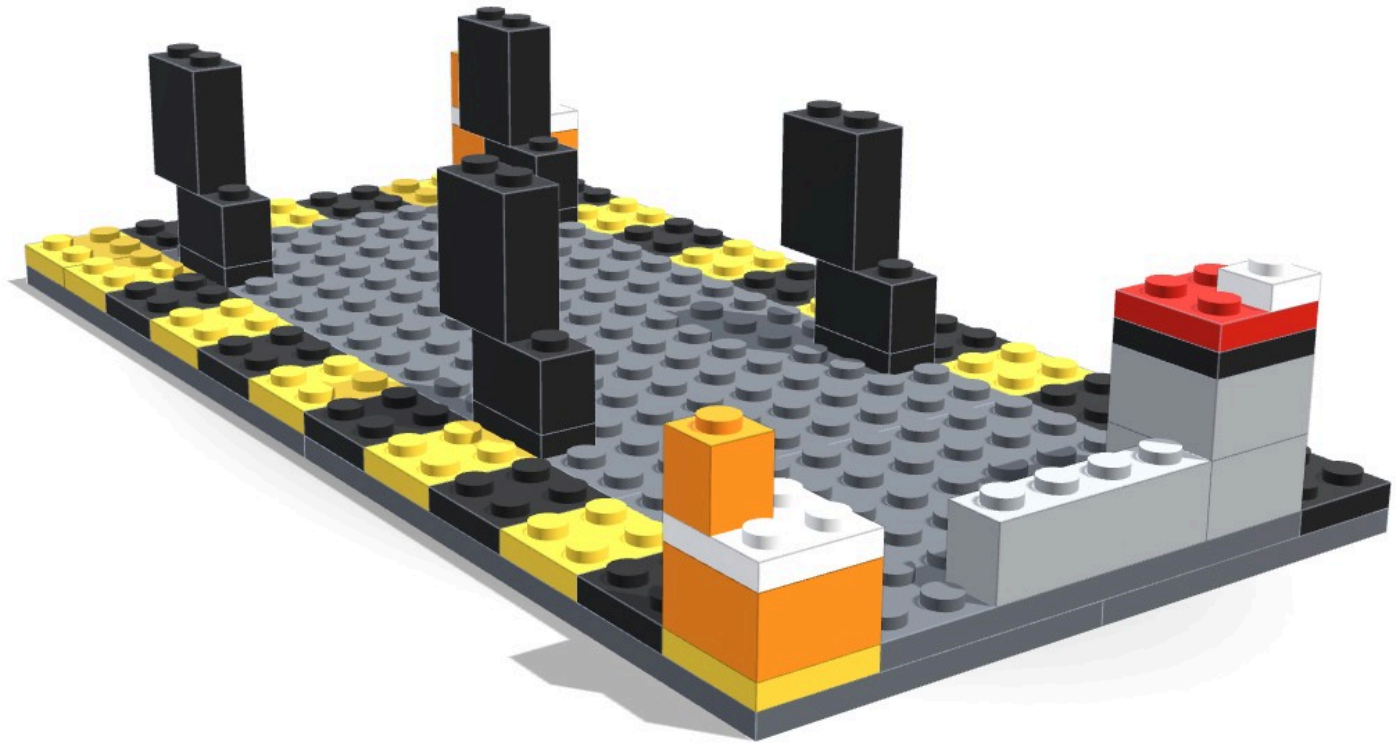
STEP

# 5



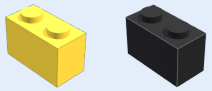

## Feet and lower legs

Four black rubber feet, and two black bricks on each, stepping back one stud as they go up.



STEP

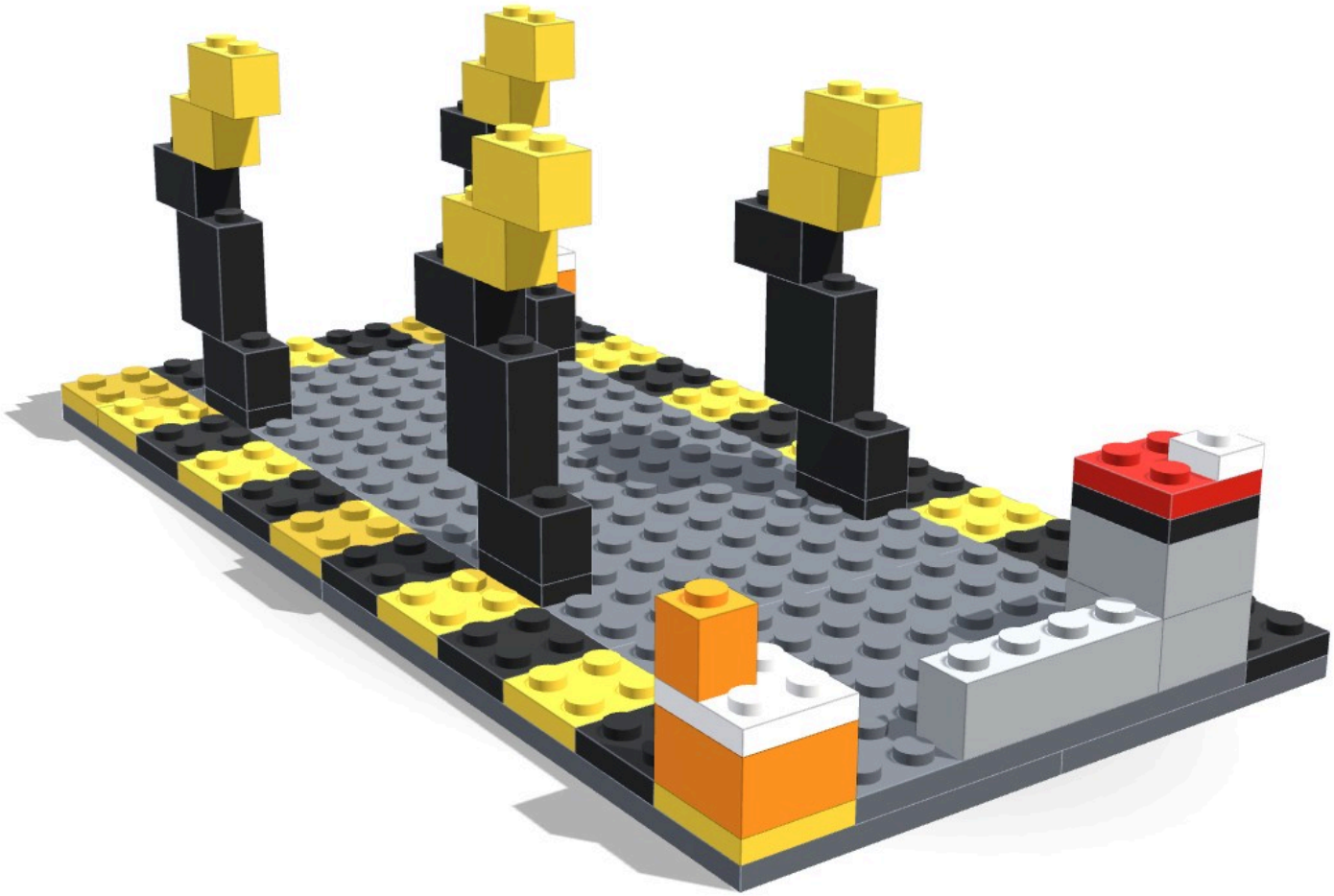
# 6



8x 4x

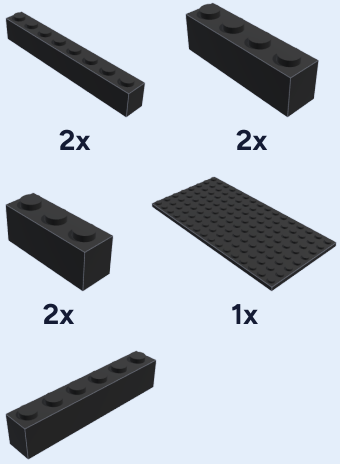
## Knees and thighs

A black knee pointing backwards on each leg, then two yellow thigh bricks stepping forward to the hip.



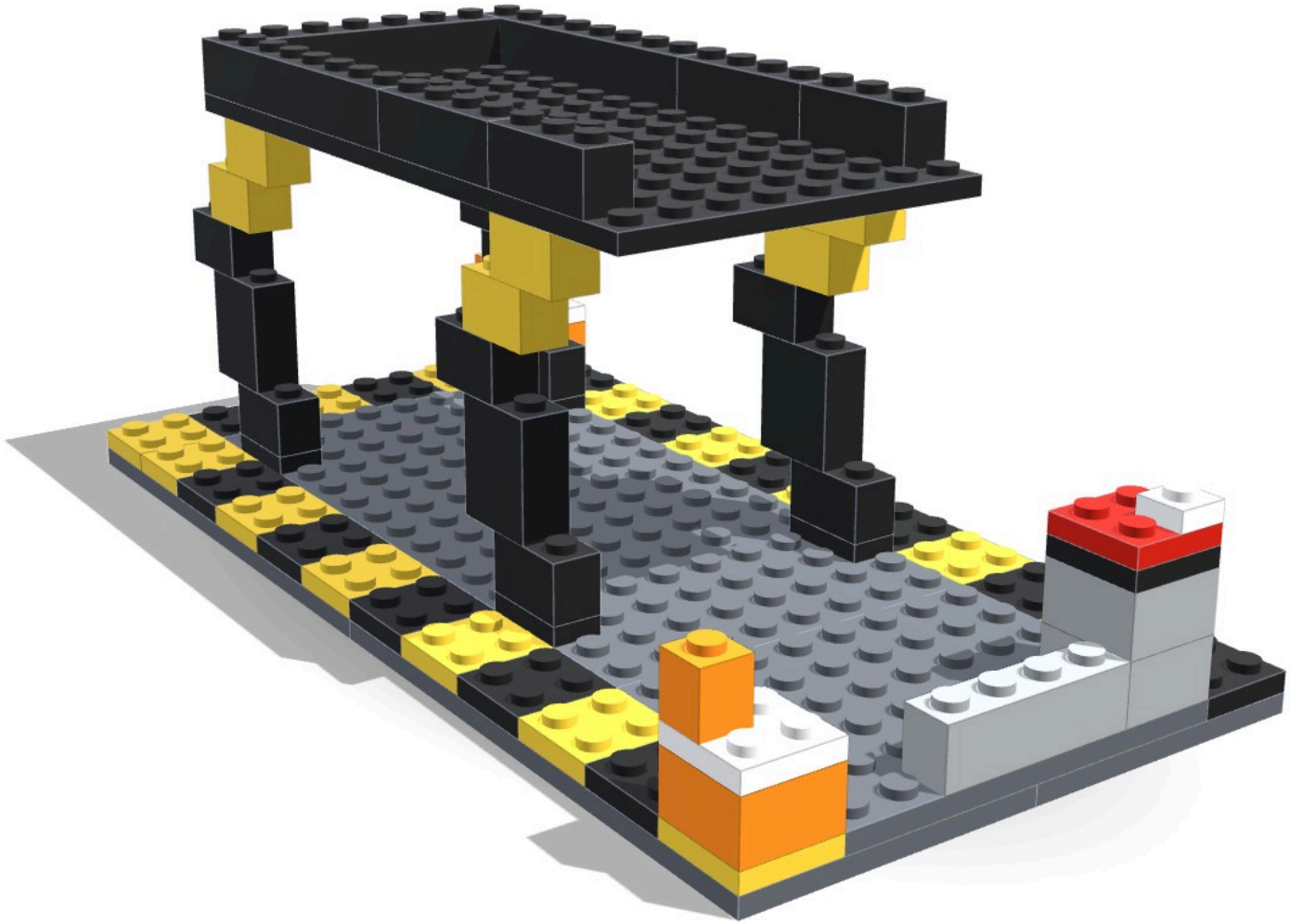
STEP

# 7



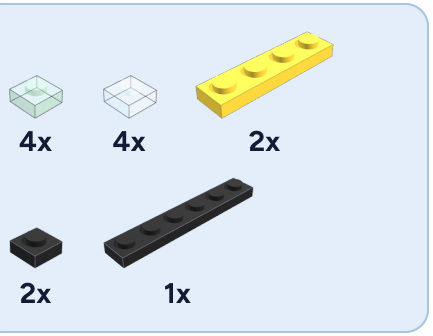

## Chassis and lower body

The black 8×16 chassis plate across all four hips, then the black lower body walls.



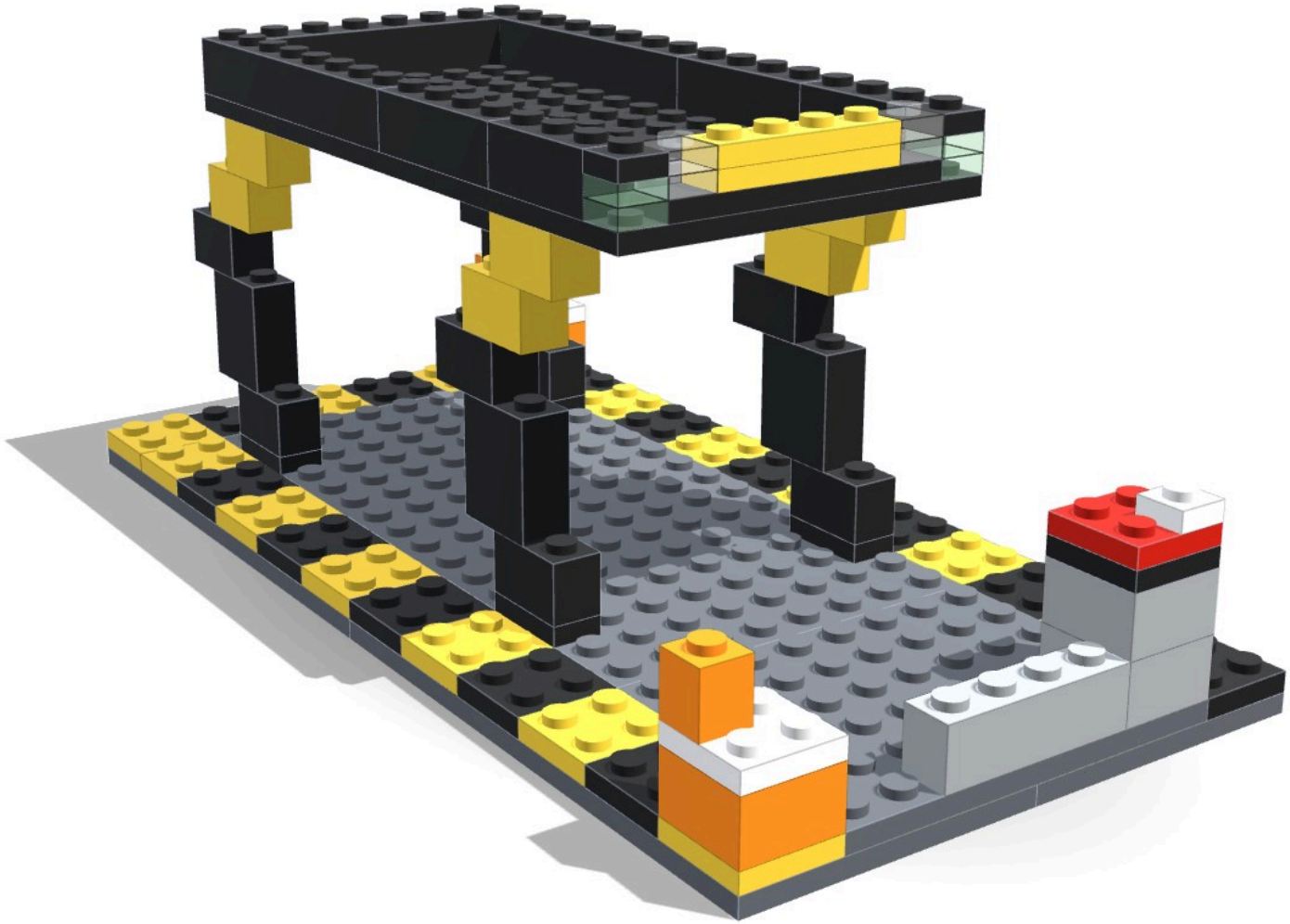
STEP

# 8



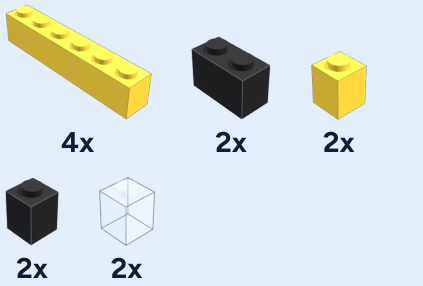

## Sensor head

Three rows of plates on the front: a black lip, two stereo-camera lights, the yellow nose and green status lights at the corners.



STEP

# 9



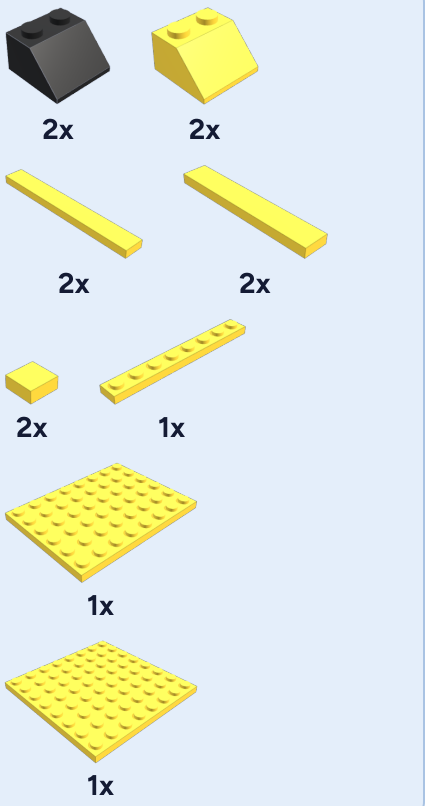

## Side panels and cameras

Yellow side panels with a black camera in each, and the rear camera with two lights.



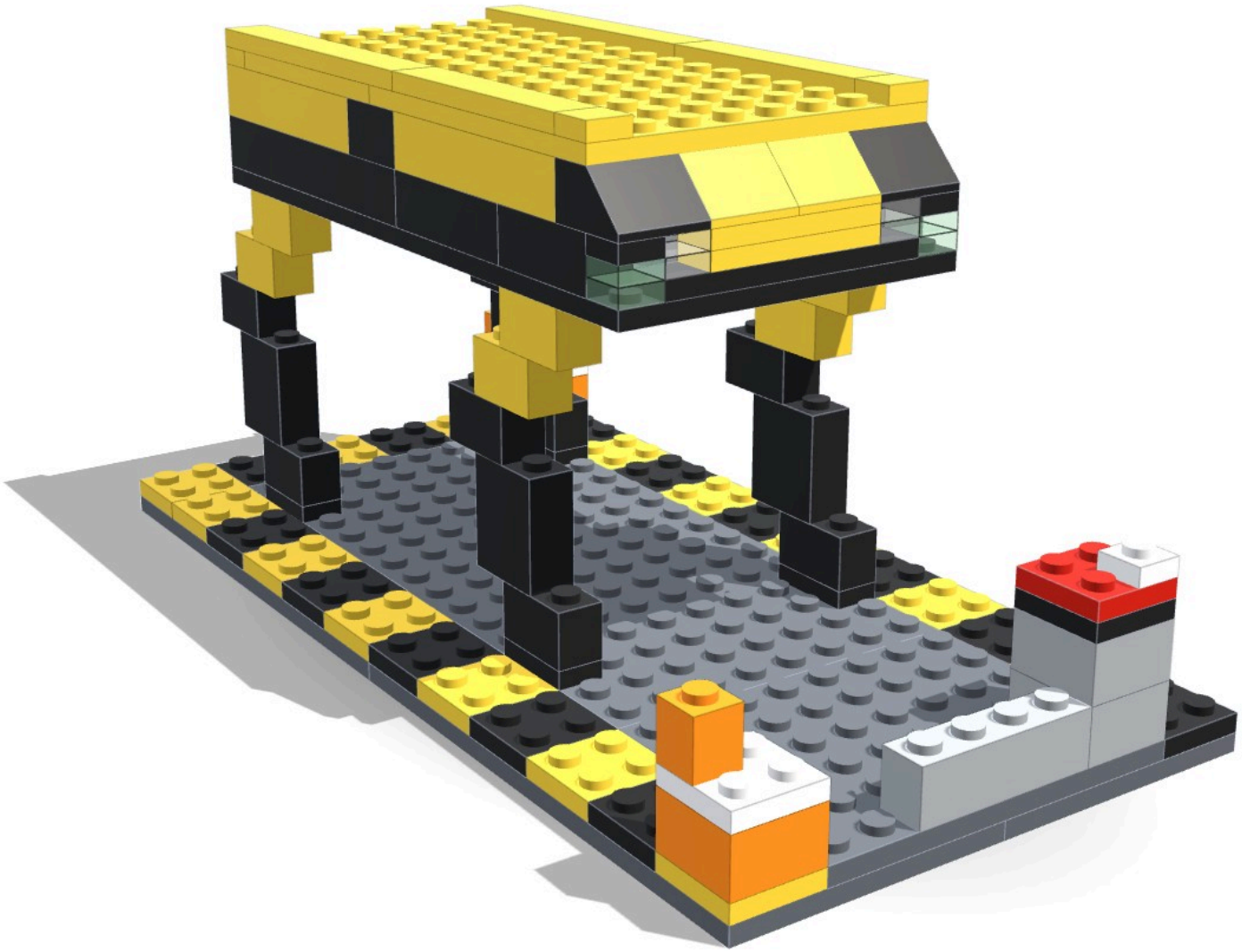
STEP

# 10



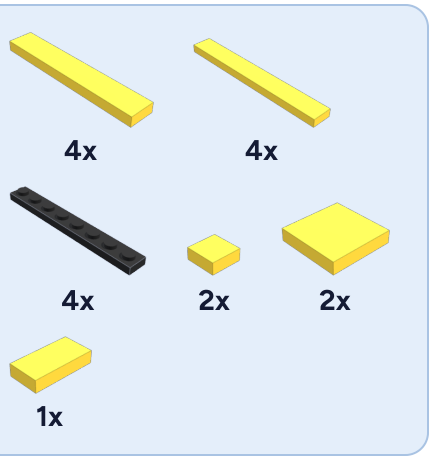

## Nose and top

Four slopes make the sloped nose, black at the corners, then the yellow top plates and smooth tiles along the edges.



STEP

# 11



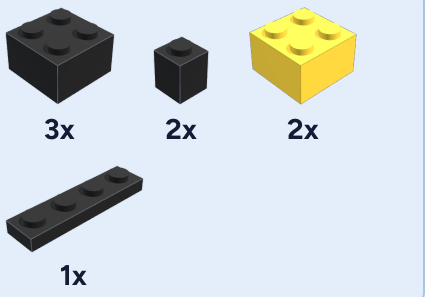

## Smooth top and rails

Yellow tiles make the rest of the top smooth, with two black payload rails, two plates tall, along it.



STEP

# 12



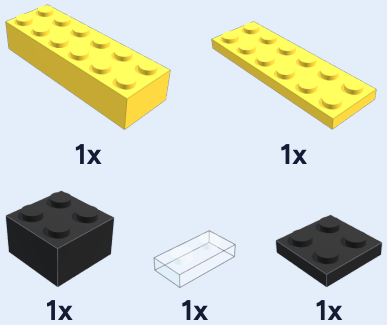

## Handle, arm turret and upper arm

A black handle at the back, then the black arm turret at the front, two yellow bricks leaning back and the black elbow.



STEP

# 13



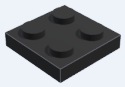

## Forearm and gripper

The long yellow forearm reaching forward, the black wrist, the camera light and the open gripper.



# Parts list

146 pieces, 47 kinds. Any similar colour works.



**16x**
2×2 plate, black



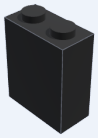
**10x**
1×2 brick, black



**4x**
1×1 brick, black



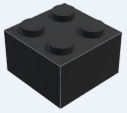
**4x**
1×2 plate, black



**4x**
1×2×2 brick, black



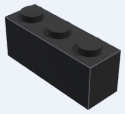
**4x**
1×8 plate, black



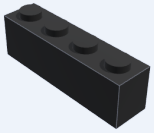
**4x**
2×2 brick, black



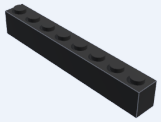
**2x**
1×1 plate, black



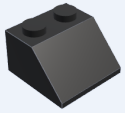
**2x**
1×3 brick, black



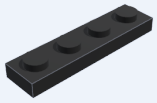
**2x**
1×4 brick, black



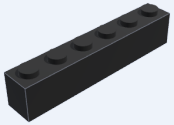
**2x**
1×8 brick, black



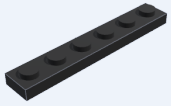
**2x**
2×2 slope 45°, black



**1x**
1×4 plate, black



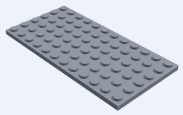
**1x**
1×6 brick, black



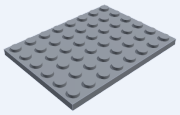
**1x**
1×6 plate, black



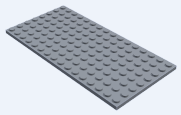
**1x**
8×16 plate, black



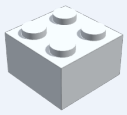
**4x**
6×12 plate, dark bluish gray



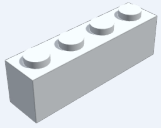
**1x**
6×8 plate, dark bluish gray



**1x**
8×16 plate, dark bluish gray



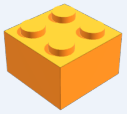
**2x**
2×2 brick, light bluish gray



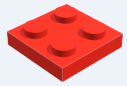
**1x**
1×4 brick, light bluish gray



**2x**
1×1 brick, orange



**2x**
2×2 brick, orange



**1x**
2×2 plate, red



**4x**
1×1 plate, trans-bright green



**4x**
1×1 plate, trans-clear



**2x**
1×1 brick, trans-clear



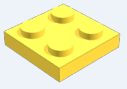
**1x**
1×2 plate, trans-clear



**2x**
2×2 plate, white



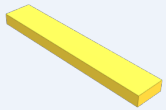
**1x**
1×1 plate, white



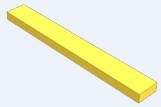
**14x**
2×2 plate, yellow



**8x**
1×2 brick, yellow



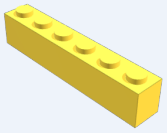
**6x**
1×6 tile, yellow



**6x**
1×8 tile, yellow



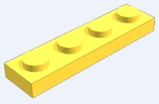
**4x**
1×1 tile, yellow



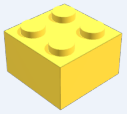
**4x**
1×6 brick, yellow



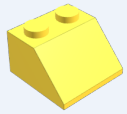
**2x**
1×1 brick, yellow



**2x**
1×4 plate, yellow



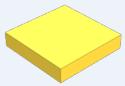
**2x**
2×2 brick, yellow



**2x**
2×2 slope 45°, yellow

# Parts list (continued)

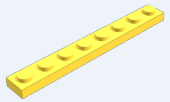
146 pieces, 47 kinds. Any similar colour works.



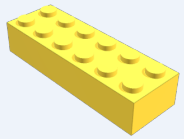
**2x**
2×2 tile, yellow



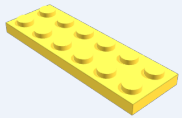
**1x**
1×2 tile, yellow



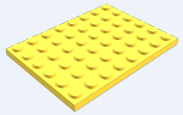
**1x**
1×8 plate, yellow



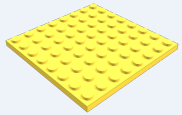
**1x**
2×6 brick, yellow



**1x**
2×6 plate, yellow



**1x**
6×8 plate, yellow



**1x**
8×8 plate, yellow

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