

## **60450 Yellow Construction Wheel Loader**

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Introduce your child to the exciting world of building with the LEGO® City Yellow Construction Wheel Loader vehicle set (60450). This digger toy for kids aged 4 and up features a large loader bucket and big tires for navigating rough terrain. The set also includes a road work sign, traffic cones and a toy jackhammer, and it comes with driver and worker minifigures for imaginative role play and storytelling.

Toy construction vehicle set for ages 4 and up – Surprise your budding builder with the LEGO® City Yellow Construction Wheel Loader toy playset for fans of construction vehicles.

What's in the box? – This construction site toy includes a buildable toy wheel loader, driver and worker minifigures, a road work sign, traffic cones and a toy jackhammer.

LEGO® toy construction vehicles for kids who love to play – Kids can set up the sign, use the cones to mark off the work area and use the machine's bucket to scoop up the LEGO rubble.

Dimensions – The toy wheel loader in this 81-piece LEGO® City set measures over 3in. (8 cm) high, 6 in. (16 cm) long and 2.5 in. (6 cm) wide.

The front of the box shows a construction worker in the background using a jackhammer to break up the floor! In the front, a construction worker in a wheel loader is picking up the rubble!

The back of the box shows all the things that the set comes with! It comes with 2 minifigures, a wheel loader, rubble, 3 cones, sign, and a jackhammer.

The top of the box shows a real size image of a construction worker.

The build is 81 pieces in total and is for ages 4+.

2 bags labeled 1 include the pieces for the construction workers, the loader, cones, rubble, and a road work sign!

Welcome to text-based instructions from Bricks for the Blind. Before you start building, here are some terms we'll be using:

- In Front of/Front: towards you.
- Behind/Back: away from you.
- Up: towards the ceiling.
- Down: towards the floor.
- Stud: the bump on a LEGO brick. Example: A 2x1 brick has two studs on it.
- Vertically: with the longest side going from front to back
- Horizontally: with the longest side going from left to right.
- Upright: pointing up towards the ceiling.
- Standing upright: The piece is perpendicular to the ground, like a wall.
- Lying flat: The piece is parallel to the ground, like a piece of toast which fell off the table.
- That one/ppp: previously placed piece.
- Plate: piece with studs.

- Tile: smooth piece without studs (unless otherwise specified)
- A jumper plate is a 1x2 plate with a single stud on top, or a 1x3 plate with only two studs on top.
- “Anti-stud” is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Symmetrically: a mirror image. Example: If you place a 2x1 brick with technic connector on the front wall at the right, connector to the front, and then place another such piece symmetrically on the back wall, at the right, the technic connector of the second piece should point to the back, since it will be placed symmetrically.
- Centered-vertically: even amount of space in front of and behind piece
- Centered-horizontally: even amount of space left and right of piece.
- Row: studs lined up horizontally (left to right/side to side).
- Column: studs lined up upright or vertically (top to bottom/back to front).

For builders with low vision, or a sighted building partner may want to follow along with the printed visual instructions that come with each kit, or PDF versions are always online at LEGO.com for each set: (<https://www.lego.com/en-us/service/buildinginstructions/60450>) As low vision users may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals.

Sorting the pieces:

To begin a successful build, it helps to sort the pieces into groups, bags, or small containers. Have a friend or family member do this in advance following the instructions below. You will see that the pieces should be sorted according to the building steps in the kit. Doing this in advance makes locating the pieces for each step easier. See below on how to sort the pieces to correspond to the steps in this set. Number the containers using letters A-Z, numbers, or meaningful names. The parts will be sorted into one or a small number of steps in the instructions. Example: Steps 1-3 means collect all the parts used in steps 1,2 and 3, and put them in one container.

This LEGO set comes with 2 bags labeled 1, 1 set of instructions, and some loose pieces. Sort the pieces into groups or piles as described below. Note that where there are multiple colors of the same brick in a step, the colors will be split into 2 groups to make telling the difference easier for the builder! LEGO includes a few spare parts in case you lose something. Set these into their own group away from the rest, in case you need them later.

The steps in this set correspond to page numbers.

Bag 1 - Workers and Wheel Loader

Group 1 - Pages 8-9.

Group 2 - Pages 10-11.

Group 3 - Pages 12-15.

Group 4 - Pages 16-45.

Group 5 - Pages 46-78.

Let's get to building!

Building Instructions (Bag 1, Book 1):

#### Group 1 - Worker

8-9. Locate 1 dark grey pair of legs printed with light yellow knee guards, 1 dark orange torso printed with dark grey overalls, 1 yellow head printed with a smile and transparent orange safety glasses, 1 black hair, and 1 red helmet with headphones. Assemble your minifigure, you can switch the helmet out for the hair if you like!

#### Group 2 - Worker and Jackhammer

10-11. Locate 1 dark grey pair of legs printed with light yellow knee guards, 1 dark orange torso printed with dark grey overalls, 1 yellow head printed with eyelashes and a big smile, 1 red helmet with hair, and 1 dark grey jackhammer. Assemble your minifigure then attach the jackhammer to her hands! Now put your minifigures away while we make the road work sign and traffic cones!

#### Group 3 - Road Work Sign and Traffic Cones

12-13. Place a light grey 2x2 tile with a stud in front of you. Then place a light grey bar with an anti stud on top so the bar faces up. Now attach a triangular tile with a clip printed with a black minifigure shoveling to the top of the bar so the tile faces the front.

14-15. Let's make 3 identical traffic cones! Place an orange 1x1 plate in front of you. Then place an orange 1x1 cone brick on top. Now you should have 3 traffic cones! Put everything away while we make the loader!

#### Group 4 - Construction Wheel Loader

16-17. Horizontally place a black 4x10 brick with 4 pins in front of you.

18-19. Horizontally place a dark grey 1x3 slope brick on the back left corner so it slopes to the left.

20-21. Horizontally place a black 2x3 slope brick in front of the previous slope brick so it slopes to the left.

22-23. Horizontally place a dark grey 1x3 slope brick on the front left corner so it slopes to the left.

24-25. Horizontally place 2 red 2x3 bricks, 1 to the right of the other, to the right of the 2x3 slope brick so they are centered vertically.

26-27. Horizontally place a dark grey 1x6 brick on the front row to the right of the 1x3 slope brick. Then repeat symmetrically to the back.

28-29. Let's make a part! Horizontally place a black 2x4 plate in front of you. Then horizontally place a dark grey 1x2 rounded plate on the back row so it is centered horizontally. Then horizontally place a dark grey 1x2 plate with a hinge on the long side in front so the hinge faces the front. Now vertically place a transparent 1x2 plate on the leftmost and rightmost columns. Then horizontally place a light orange 2x4 sloped curved tile printed with an elephant on top so it slopes to the front.

30-31. Vertically place your part on the 2 leftmost columns so there is no overhang and the hinge faces the left.

32-33. Vertically place a light grey 1x2 steering wheel to the right of the 2x4 sloped curved tile so it is centered vertically and the steering wheel faces the right.

34-35. Horizontally place a black 1x2 plate with a clip on the long side on the front row to the right of the 2x4 sloped curved tile so the clip faces the front. Then horizontally place a black 1x2 jumper plate to the right. Now repeat both parts symmetrically to the back.

36-39. Vertically attach the bar of a light grey 1x2 plate with a bar on the short side to the front-facing clip so the plate hangs down and the studs face the front. Then vertically place a dark grey 1x2 grill slope tile upright on the front-facing side studs so it slopes up. Now repeat both parts symmetrically to the back.

40-41. Place a dark grey 2x2 chair to the right of the steering wheel so it is centered vertically and the back of the chair faces the right.

42-43. Horizontally place a light orange 1x4 panel on the front row to the right of the 2x4 sloped curved tile so the wall faces the front. Then repeat symmetrically to the back.

44-45. Place a light orange 2x2 slope brick to the right of the chair so it is centered vertically and slopes to the left.

#### Group 5 - Construction Wheel Loader

46-47. Horizontally place 2 dark grey 2x3 stair plates, 1 in front of the other on the rightmost column so the lower sides overhang 2 columns to the right.

48-49. Vertically place a dark grey 1x4 brick with 4 side studs on the rightmost column so the side studs face the right.

50-51. Horizontally place a dark grey 1x4 sloped curved tile upright on the right-facing side studs so it is centered vertically.

52-53. Place 2 black 2x2 short ridged bricks, 1 in front of the other, on the 2nd and 3rd columns from the right.

54-55. Let's make the back of the loader! Horizontally place a black 2x6 plate with a rounded side in front of you so the rounded side faces the back. Now horizontally place a transparent red 1x2 plate on the back row so it is centered horizontally. Then horizontally place a dark grey 1x2 rounded plate in front so it is centered horizontally. Now place a black 1x2 curved tile on the back left and back right corners so there is no overhang. Make sure the curves of the curved tiles follow the curves of the plate!

56-57. Vertically place your part on the rightmost column to the right of the short ridged bricks so it is centered vertically and the rounded side faces the right.

58-59. Horizontally place a blue 2x3 slope brick to the right of the 2x2 slope brick that is to the right of the chair so it is centered vertically and slopes to the right.

60-61. Horizontally place 2 dark grey 1x2 plates with a stud and a clip, 1 in front of the other, on top of the 2x3 and 2x2 slope bricks that are to the right of the chair so the clips are on the left.

62-63. Horizontally place a light orange 4x5 windshield on the 5 rightmost columns so it is centered vertically and slopes to the right.

64-65. Vertically place a black 1x4 tile with 2 studs to the right of the clips so it is centered vertically.

66-67. Let's make a cage for the loader! Horizontally place a black rounded car cage in front of you. Now vertically place a dark grey 1x2 rounded plate on the right column. Then place a transparent orange light bulb cover on the front stud of the rounded plate.

68-69. Attach the right bar to the top-facing clips so the light bulb cover faces up.

70-71. Insert 4 dark grey wheels into 4 black tires.

72-73. Attach the wheels to the front-facing and back-facing pins so the hollow sides face outwards.

74-75. Let's make the bucket! Vertically place a dark grey bucket with ridges in front of you so the ridges are on the bottom and face the left. Now horizontally attach the hinge of a light orange 1x4 brick with a hinge and a hinge connector on the short sides to the right-facing hinge connector.

76-77. Attach the right-facing hinge connector of your part to the left-facing hinge of the loader!

78-79. Locate 2 red brown 1x2 masonry bricks, 2 tan 1x2 slope bricks, and 2 light grey 1x1 quarter sloped curved bricks. Place them in the bucket!

Congratulations on finishing your build! Would you like to inspire other blind people to build LEGO sets? Let's feature your build on our [Builders page](#). It's easy and we will do all the work! Just contact us at [info@bricksfortheblind.org](mailto:info@bricksfortheblind.org) and together we will make it happen!

Please [signup](#) for our newsletter and follow us on [Facebook](#) and [Instagram](#) to be the first to know when new instructions are available!

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At the end of the instruction booklets are advertisements for the following 3 LEGO CITY Theme kits:

60450 Yellow Construction Wheel Loader

60463 Fire Ladder Truck

60461 Red Farm Tractor with Trailer & Sheep