

60498 Tractor

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Power up kids' imaginations with this LEGO® City Farm Tractor (60498) toy building set for ages 6 and up. This detailed farm vehicle toy comes with a fresh teal color scheme and 4 large rubber tractor tires. Young builders can remove the cab roof to pop in the farmer minifigure and open the hood to inspect the engine before heading out on exciting countryside adventures.

FARM TRACTOR TOY FOR AGES 6+ – Roll out the LEGO® City Tractor toy building kit for kids who love farm toys and creative building.

WHAT'S IN THE BOX? – This LEGO® tractor set includes everything kids need to build a toy farm tractor with 4 large rubber tractor tires and a fresh teal color scheme, plus a farmer minifigure.

REALISTIC FEATURES FOR PLAY – Kids can open the hood of the toy tractor to explore the engine and pop the farmer minifigure into the cab for hours of imaginative farming adventures.

DIMENSIONS – The LEGO® farm tractor in this 204-piece toy playset measures over 4 in. (10 cm) high, 5 in. (13 cm) long and 3.5 in. (9 cm) wide.

The front of the box shows a black and light blue tractor driving down the farm!

The back of the box shows the front of the tractor can open so the farmer can repair the engine!

The top of the box shows a real size image of the farmer.

The build is 204 pieces in total and is for ages 6+.

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).

A note on LEGO Technic™ part names. These parts are somewhat different from regular LEGO bricks. Here are some definitions in case the builder or helper is not familiar with LEGO Technic™.

Axles - An axle is a connector which has an X shaped cross-section. Because their cross section is not round, anything connected to an axle using an axle-hole will rotate with that axle. Axles are longer than they are wide, and the length of an axle corresponds with how many bricks long it is. Aka a 3L axle is three bricks long. Axles come in a variety of lengths, with a 2L axle being the shortest available. They may be combined with pins, or have circular stops on them. A stop prevents the axle from sliding through an axle-hole at a specific point on the axle.

Pins - A pin is a connector which has a circular cross section and a flanged notch out of one or both ends. This flanged notch allows them to click into bricks with a pin-hole. Pins come with and without friction ridges, which are small bumps on the pin which prevent them from rotating freely. For standard pins, black is a high friction pin, and gray is a low friction pin. A standard length pin is two brick lengths long, with a stop in the middle. This prevents a brick from being pushed from one side of the pin to the other. A 1L pin is one brick long and still retains the stop, however it also includes a hollow stud at the other end. A 3L pin is three bricks long, and only contains a stop at one side, allowing two bricks to be pushed onto the other side of the pin. Pins may also have one side which is an axle.

Technic brick - a brick which contains one or more holes which accept technic pins.

Lift-arms - A lift-arm is a basic structural element, similar to a brick or a plate, but usually without any studs. It is a beam with rounded ends and with holes in it, with the same spacing as the studs on a LEGO brick. lift-arms come in a variety of lengths, including a 1x1 lift-arm which looks like a cylinder. Thick lift-arms are as wide as a LEGO brick, and thin lift-arms are half as wide as a LEGO brick, but not the same thickness as a LEGO plate! The holes in a lift-arm arm may accept axles or pins. They also come in a variety of shapes, including tees, ells and triangles.

Gears - A gear is a functional element. They are typically discs with teeth on the outside, there are also worm gears which look like a spiraling cylinder! Gears connected by axles transmit or even transform rotational motion!

Axle and Pin Connectors - These elements are typically smaller than lift-arms and are used to connect some combination of pins or axles. They might have pins or axles, as well as axle or pin-holes. They have a lot of different angle combinations! The simplest just connects two axles or pins together in a straight line.

Bushes/Bushings - LEGO Technic™ uses bushes largely as spacers, but they also can reduce friction between rotating parts, or can form useful elements such as handles. Bushes are typically light gray,

generally cylindrical, and have an axle-hole running through the middle. They have a flange at the front and back to make them easier to pull on and off.

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/60498>) 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 to 2, 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.

Bag 1 - Farmer and Tractor

Group 1 - Page 4.

Group 2 - Steps 1-21.

Group 3 - Steps 22-41.

Group 4 - Steps 42-47.

Bag 2 - Tractor

Group 5 - Steps 48-65.

Group 6 - Steps 66-75.

Group 7 - Steps 76-83.

Let's get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Farmer

Sub-build 1. Locate 1 light brown pair of legs, 1 sand green torso printed with light brown overalls, 1 yellow head printed with eyes, lips, and an orange beard, 1 dark blue hat, and 1 yellow mug. Assemble your minifigure, then attach the mug to his hand! Now put him away while we make his tractor!

Group 2 - Tractor

1. Horizontally place a light grey 4x12 plate in front of you. Then vertically place a blue 1x2 plate with a hinge on the leftmost column so it is centered vertically and the hinge faces the left. Now horizontally place a red 2x3 plate to the right of the ppp.
2. Place a black 1x2 brick with a pinhole and a 1x2 plate on the front left corner so the 1x2 brick part overhangs 1 row to the front. Then repeat symmetrically to the back.
3. Attach a black ball socket with a hinge connector to the left-facing hinge so the socket faces the left.
4. Vertically place a light grey 1x4 plate with 2 hinges on the leftmost column, to the right of the ppp so the hinges face the left. Then vertically place a teal 1x4 plate to the right of the ppp so it is centered vertically.
5. Insert the pin of a white 3L pin axle into the front-facing pinhole so the 2L axle faces the front. Then repeat symmetrically to the back.
6. Place a black 2x2 tile on the front left corner. Then repeat symmetrically to the back.
7. Place 2 black 1x1 bricks with a clip, 1 in front of the other, in between the left column of the 2 ppp so the clips face the left.
8. Place a white 1x1 plate with a side stud hanging down on the front ppp from the previous step so the side stud faces the front. Then repeat symmetrically to the back.
9. Horizontally place a dark tan 1x3 tile on the front row, to the right of the 2x2 tile that is in the front left corner. Then repeat symmetrically to the back.
10. Horizontally place 2 teal 1x2 plates with 2x2 upright side studs, 1 in front of the other, in between the 2 leftmost columns of the ppp so the side studs face outwards to the front and back.
11. Horizontally place a red 2x3 plate on top of the 2 ppp so there is no overhang.
12. Place a white 2x2 brick to the right of the ppp so it is centered vertically.
13. Place a tan 1x1x2 brick with 2 side studs in front of the right column of the ppp so the side studs face the front. Then repeat symmetrically to the back.
14. Vertically place a black 1x8 brick to the right of the 2 ppp so it is centered vertically. Now vertically place a light grey 1x2 plate underneath the front 2 rows of the ppp. Then repeat symmetrically to the back.
15. Horizontally place a dark tan 1x3 tile on the front row of the 3rd to 5th columns from the right. Then repeat symmetrically to the back. Now vertically place a blue 1x2 plate with a hinge on the rightmost column so it is centered vertically and the hinge faces the right.
16. Place a dark tan 2x2 plate on the front row of the 2 rightmost columns so 1 row overhangs to the front. Then repeat symmetrically to the back.

17. Attach the hinge connector of a black ball socket with a hinge connector to the right-facing hinge so the socket faces the right.

18. Vertically place a light grey 1x4 plate with 2 hinges on the rightmost column, to the left of the ppp so it is centered vertically and the hinges face the right. Now vertically place a teal 1x4 plate to the left of the ppp so it is centered vertically.

19. Place a dark tan 2x2 plate on top of the 2 ppp so it is centered vertically.

20. Place a black 1x2 brick with a pinhole and a 1x2 plate in front of the ppp so the pinhole faces the front. Then repeat symmetrically to the back.

21. Insert a white 3L pin axle into the rightmost front-facing pinhole so the 2L axle faces the front. Then repeat symmetrically to the back.

Group 3 - Tractor

22. Horizontally place a light grey 2x10 brick on top so it is centered horizontally and vertically.

23. Place a red 1x1 round brick in front of the 5th column from the right of the ppp. Then place another 1 on the 2nd row from the front of the 2nd column from the right so it sits in front of the rightmost column of the 2x10 brick. Now repeat both parts symmetrically to the back.

24. Vertically place a dark grey 1x2 brick with 2 side studs on the rightmost column so it is centered vertically and the side studs face the right.

25. Horizontally place a light grey 1x3x2 half arch brick in front of the ppp so it arches and overhangs 2 columns to the right. Then repeat symmetrically to the back.

26. Horizontally place 2 dark grey 2x6 bricks, 1 in front of the other, on the 3rd to 8th columns from the right so together they are centered vertically.

27. Vertically place a dark grey 1x4 double sloped curved tile to the left of the 2 ppp so it is centered vertically.

28. Vertically place a red 1x2 plate with 4 side studs to the right of the ppp so it is centered vertically and the side studs face the left.

29. Horizontally place 2 black 1x3x3 half arch bricks on the front 2 rows, in front of the ppp so they arch and overhang 2 columns to the right. Then repeat symmetrically to the back.

30. Vertically place a black 1x3 tile on the leftmost column of the 2 ppp so there is no overhang. Then repeat symmetrically to the front.

31. Horizontally place a teal 1x4 plate upright on the 4 left-facing side studs that are on the 8th column from the right.

32. Place a teal 1x1 round plate on the front row of the 6th column from the right so it sits on the end of the 1x3x3 half arch brick. Then repeat symmetrically to the back.

33. Vertically place the right column of 2 light grey 2x3 stair plates, 1 in front of the other, in between the 2 ppp so the higher sides face outwards to the front and back.

34. Vertically place 2 more 2 light grey 2x3 stair plates, 1 in front of the other, to the right of the 2 ppp so together they are centered vertically and the higher sides face outwards to the front and back. Then repeat again to the right.

35. Vertically place a dark grey 1x6 plate with inverted sloped sides to the right of the 2 ppp so it is centered vertically.

36. Place a black 2x2 tile on the 2 rightmost columns so it is centered vertically.

37. Place a light grey 1x1 brick with a side stud and bottom lip in front of the right column of the ppp so the side stud faces the right. Then place a transparent 1x1 tile upright on the right-facing side stud. Then repeat both parts symmetrically to the back.

38. Vertically place a black 1x2 plate with 2x2 side studs hanging down on the back right corner, behind the ppp so 1 row overhangs to the back and the side studs face the right. Then repeat symmetrically to the front.

39. Horizontally place a black 2x6 plate with 4 side studs on the front right corner so the 4 middle studs of the front row overhang to the front and the side studs face the front. Then repeat symmetrically to the back.

40. Place a transparent red 1x1 round tile on the front right corner. Then repeat symmetrically to the back.

41. Place a teal 2x2 sloped curved tile on the 2 rightmost columns, in front of the ppp so it slopes to the front. Then repeat symmetrically to the front.

42. Horizontally place a black 1x1 tile with a 1x1 slope tile on the front row of the 6th and 7th columns from the right so it sits to the left of the side studs and it slopes to the left. Then repeat symmetrically to the back.

43. Place a light grey 2x2 brick on the 3rd and 4th columns from the right so it is centered vertically and sits to the left of a 2x2 tile.

44. Vertically place a brown 1x2 half cylinder brick on the left column of the ppp so it is centered vertically. Now vertically place 2 transparent 1x2 panels, 1 in front of the other, to the right of the ppp so together they are centered vertically and the walls face the right.

45. Horizontally place the rightmost column of a light grey 1x4 tile with 2 studs in front of the 2 ppp. Then repeat symmetrically to the back.

46. Place a dark tan 1x1 round tile with an upright bar on the 3rd row from the back, to the left of the ppp. It should sit to the front left of the ppp. Then repeat symmetrically to the front.

47.1. Let's make a part! Place a dark tan 2x2 plate in front of you. Then vertically place a light grey 1x2 steering wheel on the right column so the wheel faces the right. Now vertically place a light grey 1x2 slope tile printed with a speedometer to the left of the ppp so it slopes to the right.

47.2. Place the right column of your part in between the 2 previous 1x1 round tiles with an upright bar so the steering wheel faces the right.

Building Instructions (Bag 2, Book 1):

Group 5 - Tractor

48. Horizontally place a black 1x4 plate on the 2nd row from the front of the 3rd to 6th columns from the right. Then repeat symmetrically to the back.

49. Vertically place a transparent 2x6x2 windshield on the 2 rightmost columns of the 2 ppp so it is centered vertically and slopes to the right.

50. Horizontally place a transparent 1x2x2 panel to the left of the front row of the ppp so the wall faces the front. Then repeat symmetrically to the back.

51. Place a black 3x3 L-shaped plate on top of the ppp and windshield so the corner faces the back right and there is no overhang. Then repeat symmetrically to the front.

52. Vertically place a teal 4x6 car hood on top of the ppp so it is centered vertically, slopes and overhangs 1 column to the right, and the studs are on the left.

53. Place a black 1x1x3 brick to the left of the front row of the ppp. Then repeat symmetrically to the back.

54.1. Let's make a part! Vertically place a black 1x4 plate in front of you. Then vertically place a dark grey 1x2 brick with 2 side studs on top so it is centered vertically and the side studs face the left.

54.2. Vertically place a black 1x3 rounded plate on the front row so 2 rows overhang to the front. Then vertically place a teal 1x2 plate on the 2nd and 3rd rows from the front. Now repeat both parts symmetrically to the back.

54.3. Vertically place a teal 1x4 double sloped curved tile on top so it is centered vertically.

54.4. Place a transparent orange 1x1 half sphere brick on the 2nd row from the front. Then repeat symmetrically to the back.

54.5. Vertically place your part to the left of the 4x6 car hood so it sits on the 2 1x1x3 bricks, is centered vertically, and the side studs face the left.

55. Place a transparent 6x6 windshield upright on the 2 left-facing side studs of the previous part so it hangs 5 rows down, slopes up, and is centered horizontally. It should sit above the 1x4 left-facing side studs.

56. Vertically place 2 black 2x3 tiles, 1 in front of the other, upright on the 6 left-facing side studs of the ppp and an upright 1x4 plate.

57.1. Let's make 2 identical parts! Vertically place a black 1x4 plate in front of you. Then vertically place a black 1x2 panel with a long wall and middle wall on top so it is centered vertically and the long wall faces the right. Now place a black 1x1 corner panel on the front row so the corner faces the back right. Then repeat symmetrically to the back.

57.2. Vertically place your part upright on the 2 front-facing side studs that are in front of the 2 left-facing 2x3 tiles from step 56 so 2 rows stick up and the long wall of the panel faces the right. Then repeat symmetrically to the back.

58. Horizontally place 2 red 1x2 plates with a stud and pinhole, 1 in front of the other, on the 4th and 5th columns of studs from the left so the pinholes are on the right. Then insert a black 2L pin into the front-facing pinhole. Then repeat symmetrically to the back.

59. Horizontally place a light grey 1x2 plate with 2x4 upright side studs on the front row of the 2nd and 3rd columns from the left so the side studs face the front. Then repeat symmetrically to the back.

60. Vertically place a teal 1x2 plate with 2x2 upright side studs on the leftmost column so the side studs face the left.

61. Horizontally place a red 2x4 brick on the 4 leftmost columns.

62. Place a dark grey 2x2 round tile with a pinhole upright on the 2x2 left-facing side studs.

63. Place 8 light grey 1x1 round tiles, 1 next to the other, on the 4 leftmost columns, on top of the previous 2x4 brick.

64. Vertically place 2 black 1x3 sloped curved tiles, 1 in front of the other, upright on the front 2 columns of right-facing side studs so they slope up and 1 row overhangs to the bottom. Then repeat symmetrically to the back.

65. Rotate your build 180 degrees. Vertically attach the middle pinhole of a black 5L lift arm to the front-facing pin that is to the left of the 4 rightmost columns of front-facing side studs.

Group 6 - Tractor

66.1. Let's make a part! Place a silver 2L pin connector in front of you so the pinhole faces up. Now insert a light grey pin connector with 2 pins into the top-facing pinhole so the pinhole faces the front and back. Now attach a silver 2L pin connector to the top-facing pin.

66.2. Insert a black 2L pin into the back-facing pinhole so the pin faces the back. Then insert a dark grey 1L pin with a stud into the top-facing pinhole so the stud faces up.

66.3. Stack 2 silver candle sticks on the top-facing stud.

66.4. Attach the back-facing pin of your part to the 2nd pinhole from the bottom of the front-facing 5L liftarm so the candle sticks face up.

67. Place a black 2x2 plate upright on the 2 top row of the 2 rightmost front-facing columns of side studs. Then vertically place a dark grey 2x3 plate upright on the bottom 3 rows of front-facing side studs, to the left of the ppp.

68. Vertically place a transparent 1x2 sloped curved tile upright on the bottom 2 rows of the rightmost column of front-facing side studs so it slopes down.

69. Place a teal 1x1 quarter circle tile upright above the ppp so the curve faces the top right. Now horizontally place a teal 1x3 sloped curved tile upright to the left of the ppp so it slopes to the left.

70. Place a black 1x3x2 curved panel upright on the front-facing side studs, below the ppp so the curve faces the top left.

71.1. Let's make a part! Horizontally place a black 2x4 plate in front of you. Now horizontally place a teal 2x3 angled plate on the front right corner so the angled side overhangs to the front and the short end faces the right. Then repeat symmetrically to the back.

71.2. Horizontally place 2 black 1x2 plates with a pinhole, 1 in front of the other, on the 2 rightmost columns so the pinholes overhang to the right.

71.3. Vertically place a teal 1x2 plate on the rightmost column. Then horizontally place a teal 2x4 sloped curved tile to the left of the ppp so it slopes and overhangs 1 column to the left.

71.4. Insert a black 2L pin into the front-facing pinhole so the pin faces the front. Then repeat symmetrically to the back.

71.5. Rotate your main build 180 degrees. Then horizontally attach the back-facing pin of your part to the top front-facing pinhole of the 5L lift arm that is on the 5th column from the left so it slopes and overhangs 1 column to the left.

72. Vertically attach a black 5L lift arm to the 2 front-facing pinholes so there are 2 free pinholes at the bottom. Now insert 3 red 1L pins with a stud to the 3 free front-facing pinholes of the ppp so the studs face the front.

73. Vertically place a dark grey 1x4 half cylinder brick upright on the front-facing side studs of the 3 ppp.

74. Place a black 2x2 plate upright on the top 2 rows of the 2 leftmost columns of front-facing side studs. Then vertically place a dark grey 2x3 plate upright on the bottom 3 rows of front-facing side studs, to the right of the ppp.

75. Vertically place a transparent 1x2 sloped curved tile upright on the bottom 2 rows of the leftmost column of front-facing side studs so it slopes down.

Group 7 - Tractor

76. Place a teal 1x1 quarter circle tile upright above the ppp so the curve faces the top left. Now horizontally place a teal 1x3 sloped curved tile upright to the right of the ppp so it slopes to the right.

77. Place a black 1x3x2 curved panel upright on the front-facing side studs, below the ppp so the curve faces the top right.

78. Attach the bar of a teal 2x2 plate with angled sides to the left-facing clips so the side studs are on top and face the left. Now place a teal 2x2 tile printed with a black grill upright on the left-facing side studs.

79. Attach a black paddle head to a curved bar with 2 bent ends. Now attach the other end of the curved bar to the front stud that is on the 7th column from the right so the paddle overhangs to the front left. It should sit in front of the half sphere brick. Then repeat symmetrically to the back. These are the mirrors!

80. Attach a white wheel to a smaller black wheel, then attach it to the leftmost front-facing axle so the hollow side faces the front. Then repeat symmetrically to the back.

81. Attach a white wheel to a larger black wheel, then attach it to the rightmost front-facing axle so the hollow side faces the front. Then repeat symmetrically to the back.

82. Attach a black bearing to the front-facing axles that stick out of the 2 wheels. Then repeat symmetrically to the back.

83. Horizontally place the top row of a teal 1x8 curved panel upright on the 4 rightmost front-facing side studs so it curves down to the left and right, and is centered horizontally with the wheel. Then repeat symmetrically to the back.

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 and together we will make it happen!

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At the end of the instruction booklets are advertisements for the following 9 LEGO City Theme kits:

60500 The LEGO® Van

60485 Hot Rod

60488 Fries Food Truck

60479 Police Prisoner Transport Van

60486 EV Supercar

60489 Jet vs. Car

60499 Airport Fire Truck

60487 Yellow Taxi

60502 Airport with Airplane