

60447 Off Road 4x4 Mountain Truck

Adapted by John Le and tested by Jolene Nemeth.

Kids can head for the hills with the LEGO® City Off-Road 4x4 Mountain Truck (60447) adventure toy for ages 6 and up. This tough truck is loaded with cool features and equipment for off-road exploration, including roof storage boxes, tools, rugged tires and a working winch for tackling steep inclines. Flip the vehicle snorkel and up pops the hood for engine repairs! Just add the adventurer minifigure and let the play begin.

Off-road adventure toy – Elevate kids' playtimes with the LEGO® City Off-Road 4x4 Mountain Truck playset for boys and girls aged 6 and up.

What's in the box? – Includes everything kids need to build an off-road truck toy and adventurer minifigure for off-road exploration adventures.

Realistic toys for imaginative play – Kids can use the winch to traverse steep inclines, flip the vehicle snorkel to pop up the hood and access tools and equipment in the roof storage boxes.

Vehicle set packed with LEGO® minifigure accessories – Includes a toy camera, water bottle, flashlight, map, compass, binoculars, tools and a first aid kit for pretend play.

Dimensions – The toy off-road truck in this 221-piece playset measures over 3 in. (7 cm) high, 5.5 in. (13 cm) long and 2.5 in. (6 cm) wide.

The front of the box shows an off road mountain truck riding up a mountain! The driver is using a winch at the front of the truck to help pull it up!

The back of the box shows the driver riding his truck down an off road! There are smaller pictures which show the driver fixing the car, eating, and standing on his truck holding a map and binoculars!

The top of the box shows a real size image of the driver minifigure!

The build is 221 pieces in total and is for ages 6+.

Bag 1 includes the pieces for the driver and truck.

Bag 2 includes the pieces for the truck.

Bag 3 includes the pieces for the truck.

Bag 4 includes the pieces for the truck.

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/60447>) 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 4 bags labeled 1, 2, 3, and 4, 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 - Driver and Off Road Mountain Truck

Group 1 - Page 7.

Group 2 - Steps 1-13.

Bag 2 - Off Road Mountain Truck

Group 3 - Steps 14-20.

Group 4 - Steps 21-25 and 1 black 2L pin from Step 26.

Group 5 - Rest of Step 26, Steps 27-36, and 2 transparent red 1x1 slope tiles from Step 37-38.

Group 6 - Rest of Steps 37-38, Steps 39-42 and 2 olive green 1x1 slope tiles from Step 43-44.

Group 7 - Rest of Steps 43-44.

Bag 3 - Off Road Mountain Truck

Group 8 - 1 dark orange 1x1 plate from Step 45.

Group 9 - Rest of Step 45 and Steps 46-48.

Group 10 - Steps 49-57.

Group 11 - Steps 58-60.

Bag 4 - Off Road Mountain Truck

Group 12 - Steps 61-64.

Group 13 - Steps 65-67.

Group 14 - Steps 68-75.

Let's get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Driver

Sub-build 1. Locate 1 light grey pair of legs, 1 orange torso printed with a tan vest, 1 yellow head printed with eyes and lips, 1 black hair, 1 white 2x3 tile printed with a green map, 1 black camera, and 1 transparent 1x1 round tile. Assemble your minifigure, then attach the 1x1 round tile to the camera. Now attach the camera and map to his hands!

Group 2 - Off Road Mountain Truck

1. Horizontally place a dark grey 2x16 plate in front of you.
2. Vertically place a light grey 2x4 plate with 2 pins on the short ends on the 2 leftmost columns so it is centered vertically and the pins face the front and back. Now place a brown 4x4 plate with a center 2x2 gap to the right so it is centered vertically.
3. Place a brown 4x4 plate with a center 2x2 gap to the right of the ppp so it is centered vertically. Now vertically place a light grey 2x4 plate with 2 pins on the short ends to the right so it is centered vertically.
4. Vertically place a 1x6 plate with inverted sloped sides on the rightmost column so it is centered vertically. Then vertically place a yellow 1x2 tile to the left so it is centered vertically.
5. Horizontally place a dark grey 2x16 plate on top so it is centered vertically and horizontally.
6. Place a black 1x1 plate with a side stud hanging down on the 2nd row from the front of the rightmost column so the side stud faces the right. It should sit in front of the 2x14 plate! Then repeat symmetrically to the back.

7. Horizontally place a dark grey 1x4 tile with 2 studs upright on the right-facing side studs so it is centered horizontally. Now place a black 1x1 round plate upright on each of the right-facing side studs.

8. Horizontally place a light brown 1x4 plate on the front row on the 2nd, 3rd, 4th, and 5th columns from the right so it overhangs 1 column to the right. Then repeat symmetrically to the back.

9. Vertically place a dark grey 2x4 plate on the 2 rightmost columns so it is centered vertically. Then place a brown 4x4 plate with a center 2x2 gap to the left so it is centered vertically.

10. Place 3 black 2x2 plates with a bar underneath, 1 to the right of the other, on the front row to the left of the ppp so the bars overhang to the front. Then repeat symmetrically to the back.

11. Horizontally place a light brown 1x4 plate on the front row of the 3 leftmost columns so it overhangs 1 column to the left. Then repeat symmetrically to the back.

12. Horizontally place an olive green 1x6 plate on the front row on top of the 2x2 plates with bars underneath so there is no overhang. Then repeat symmetrically to the back. Now horizontally place 2 yellow 2x6 plates, 1 in front of the other, in between them.

13. Horizontally place 2 light grey 2x3 plates, 1 in front of the other, on the 2nd, 3rd, and 4th columns from the left so they are centered vertically.

Building Instructions (Bag 2, Book 1):

Group 3 - Off Road Mountain Truck

14.1. Vertically place an olive green 1x4 brick with a sticker on the rightmost column so it is centered vertically and the sticker faces the right.

14.2. Skip this step if you have already placed your sticker! Ask a helper to place sticker 2 on the olive green 1x4 brick. This sticker has a picture of dark grey mountains with an orange outline. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

15. Horizontally place 2 light grey 1x6 tiles, 1 in front of the other, to the left of the ppp so they are centered vertically.

16. Place an olive green 2x2 inverted slope brick on the front 2 rows of the 2nd column from the right so it slopes to the left. Then repeat symmetrically to the back.

17. Horizontally place a dark orange 1x2 plate on the front row to the left of the 2x2 inverted slope brick. Then horizontally place a light grey 1x2 rounded plate on top. Now repeat both parts symmetrically to the back.

18. Place a black 2x2 plate with a mudguard on the front ppp so 1 row and the mudguard overhangs to the front. Then repeat symmetrically to the back.

19. Place an olive green 2x2 inverted slope brick on the front 2 rows to the left of the ppp so it slopes to the right. Then repeat symmetrically to the back.

20. Place an olive green 1x1 brick with a side stud on the front row to the left of the ppp so the side stud faces the front. Then repeat symmetrically to the back. Now vertically place 2 light grey 1x2 log bricks, 1 in front of the other, in between them.

Group 4 - Off Road Mountain Truck

21. Vertically place a dark tan 1x6 tile to the left of the ppp so it is centered vertically. Now vertically place 2 dark tan 1x3 jumper plates, 1 in front of the other, to the left so they are centered vertically.

22. Vertically place a light grey 1x2 steering wheel to the left of the ppp on the 2nd and 3rd rows from the front so the steering wheel faces the right. Then vertically place a light grey 1x2 tile with an overhead bar behind it so the overhead bar slopes to the left.

23. Place an olive green 1x1 brick with a side stud on the front row in front of the steering wheel so the side stud faces the front. Then repeat symmetrically to the back. Now horizontally place a brown 1x3 brick to the left of the back row of the steering wheel.

24. Place an olive green 2x2 inverted slope brick on the front 2 rows to the left of the steering wheel and 1x1 brick with a side stud so it slopes to the left. Then repeat symmetrically to the back.

25. Place a light grey 1x1 brick with a scroll on the 2nd column from the left, to the left of the 1x3 brick so the scroll faces the back.

You will have an extra black 2L pin. Save it for later!

Group 5 - Off Road Mountain Truck

26. Let's make a part! Let's make a hitch! Place a light grey cylinder with pinholes and gears with a stud in the middle in front of you so the holes face the front and back. Then insert a black 2L pin from group 4 into the front-facing hole so the pin faces the front. Now insert a yellow 2L pin into the back-facing hole.

27. Place a 1x1 round plate attached to a string on top of the stud of the cylinder with gears. Now roll it up so all the rope wraps around the cylinder! Then place the stud of the other end of the rope on top of a stud of a hook with a ball. The hook should just hang to the left!

28. Horizontally attach the dark grey 1x2 plate with a hole underneath to the front-facing pin so it overhangs to the right. Then repeat symmetrically to the back.

29. Vertically place the overhang of your part on the leftmost column so it is centered vertically.

30. Stack 2 black 1x4 rounded plates on top of each other so there is no overhang, then horizontally place them on the front row of the 4 leftmost columns. Then repeat symmetrically to the back.

31. Vertically place a black 1x4 rounded plate on the leftmost column so it is centered vertically. Then vertically place an olive green 1x6 plate to the right so it is centered vertically.

32.1. Horizontally place an olive green 2x6 tile with a sticker upright on the 2 front-facing side studs so it is centered horizontally on them and it hangs down.

32.2. Skip this step if you have already placed your sticker! Ask a helper to place sticker 4 on the olive green 2x6 tile. This sticker has a picture of dark grey mountains with an orange outline. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

33. Repeat the previous step symmetrically to the back.

34. Make sure your truck is horizontal and the hitch faces the left. Now place a black 2x2 plate with a mudguard on top of the front row of the 3rd and 4th columns from the left so 1 row and the mudguard overhangs to the front. Then repeat symmetrically to the back.

35. Vertically place 2 dark orange 1x2 plates, 1 in front of the other, on the rightmost column so they are centered vertically.

36. Horizontally place a light grey 1x6 tile on the 2nd row from the front to the left of the ppp. Then repeat symmetrically to the back.

You will have 2 extra transparent red 1x1 slope tiles. Save them for later!

Group 6 - Off Road Mountain Truck

37.1. Let's make a part! Let's make the tail lights! Place a dark orange 1x1 plate with 2 side studs hanging down in front of you so the side studs face the front. Then place an olive green 1x1 slope tile upright on the bottom front-facing side stud so it slopes to the right. Then place a transparent red 1x1 slope tile upright on the top front-facing side stud so it slopes to the right. These are the tail lights!

37.2. Place your part on the back row of the 2nd column from the right so the tiles face the right.

38. Repeat the previous step symmetrically to the front.

39. Horizontally place a dark orange 1x6 plate on the front row to the left of the ppp. Then repeat symmetrically to the back. Now vertically place 2 dark orange 1x2 plates, 1 in front of the other, in between the leftmost column of the 2 ppp.

40. Horizontally place a dark orange 1x6 plate on the front left corner so there is no overhang. Now horizontally place a dark orange 1x2 plate on the back left corner. Then horizontally place another 1 to the right.

41. Place a light grey 1x4 tile with 2 studs in front of the 2 1x2 plates from the previous step. Then repeat symmetrically to the front. Now place a dark grey 2x2 plate on the 2 leftmost columns so it is centered vertically.

42. Place 3 dark grey 1x1 half cylinder bricks, 1 to the right of the other, to the right of the front row of the previous 2x2 plate so they slope to the left and right. Now vertically place the back stud of a light grey 1x2 rounded plate to the right.

You will have 2 extra olive green 1x1 slope tiles. Save them for later!

Group 7 - Off Road Mountain Truck

43.1. Let's make a part! Let's make the headlights! Place a dark grey 1x1 plate with 2 side studs in front of you so the side studs face the front. Then place an olive green 1x1 slope tile from group 6 upright on the bottom front-facing side stud so it slopes to the right. Then place a transparent yellow 1x1 slope tile upright on the top front-facing side stud so it slopes to the right.

43.2. Now place your part on the back stud of the leftmost column so the tiles face the back.

44. Repeat the previous step symmetrically to the front.

Building Instructions (Bag 3, Book 1):

Group 8 - Off Road Mountain Truck

45.1. Let's make a part! Let's make a side mirror! Place a dark orange 1x1 plate in front of you.

Group 9 - Off Road Mountain Truck

45.2. Place a dark grey 1x1 plate with a clip on top so the clip faces the back. Then place an olive green 1x1 plate on top. Now attach the bar of a black 1x1 round tile with an upward bar to the clip so the anti-stud faces the right.

45.3. Place your part on the back row behind the 1x2 tile with an upward bar so the clip faces the back.

46.1. Let's make a part! Let's make the exhaust! Place a light grey 1x1 brick with a hole in front of you so the hole faces the front and back. Now insert a light grey 4L axle with a pin connector into the back-facing hole so the axle goes all the way and faces the front and the pin connector faces up.

46.2. Attach a black 1L bushing to the front-facing axle so it goes all the way to the back.

46.3. Insert a dark grey 1L pin with a stud into the top-facing hole so the stud faces up.

46.4. Place a black candle stick on top of the ppp so the bar hole faces up. Then insert the bar of a black 1x1 round tile with a top-facing bar into the ppp.

46.5. Attach the axle hole of a black 2L axle pin connector to the front-facing axle so the hole is on the bottom and faces left and right.

46.6. Insert a dark grey pin with a bar and ball onto the left-facing hole so the ball faces the left.

46.7. Place the 1x1 brick part of your part on the back row on the 6th column from the left so the anti-stud is in the back and faces up and the bar with a ball is in the front and faces the left. It should sit behind the 3 1x1 half-cylinder bricks!

47. Place an olive green 1x1 plate on the front row on the 6th column from the left of the build. Then place a dark grey 1x1 plate with a clip to the right so the clip faces the front. Now attach the bar of a black 1x1 round tile with a top-facing bar to the front-facing clip so the anti-stud faces the right.

48. Horizontally place an olive green 1x2 plate on the front row on the 6th and 7th columns from the left of the build. Then vertically place a light grey 1x2 slope tile printed with speedometers, behind the left column of it so it slopes to the right.

49.1. Let's make a part! Let's make the car hood! Vertically place an olive green 5x6 car hood with a center 3x4 gap in front of you so it slopes to the left. Now vertically place an olive green 3x4 panel with a sticker on top of the gap so it attaches to the right side and can swing freely! The panel will attach just like a window pane. There are two bumps which are the parts that will attach on the right side!

49.2. Skip this step if you have already placed your sticker! Ask a helper to place sticker 1 on the olive green 3x4 panel. This sticker has a picture of dark grey mountains with an orange outline. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

49.3. Vertically place your car hood on the 5 leftmost columns of the build so it is centered vertically and slopes to the left.

50. Vertically place a transparent 1x2x2 panel on the rightmost column so it is centered vertically and the wall faces the right.

51. Stack 2 black 2x2 corner bricks with a cutoff corner on top of each other so there is no overhang, then place them on the front right corner so the cutoff corner faces the front right. Then repeat symmetrically to the back.

52. Horizontally place 2 transparent 1x2x2 panels, 1 to the right of the other, on the front row to the left of the ppp so the walls face the front. Then repeat symmetrically to the back.

53. Stack 2 black 1x1 bricks together, then place them on the front row to the left of the ppp. Then repeat symmetrically to the back.

54. Vertically place 2 black 1x3x2 inverted half arch bricks, 1 in front of the other, to the left of the ppp so they slope inwards.

55. Vertically place the leftmost column of a transparent 3x6x2 windshield on top of the car hood that is on the left so it is centered vertically and slopes to the left. Then vertically place a black 1x6 tile on top of the windshield so it is centered vertically.

56. Vertically place a dark grey 1x2 plate on the rightmost column so it is centered vertically. Then place a dark grey 2x2 plate with a cutoff corner in front so the cutoff corner faces the front right. Then repeat symmetrically to the back.

57. Horizontally place a dark grey 1x4 plate on the front row to the left of the ppp. Then horizontally place a dark grey 1x2 plate with a ladder hanging down on the front row to the left so the ridges face the front. Then repeat both parts symmetrically to the back.

Group 11 - Off Road Mountain Truck

58. Place a dark orange 1x4 curved plate on the front right corner so the curve faces the front right. Then horizontally place a dark orange 1x4 plate on the front row to the left. Now place a dark orange 1x1 plate to the left. Then repeat everything symmetrically to the back.

59. Place 2 transparent red 1x1 slope tiles, 1 in front of the other, on the rightmost column so they are centered vertically and slope to the right. Then place a black 2x2 corner tile with a cutoff corner in front so the cutoff corner faces the front right. Then repeat symmetrically to the back.

60. Horizontally place a black 1x2 tile on the front row to the left of the ppp. Then horizontally place a black 1x4 tile with 2 studs to the left. Now repeat both parts symmetrically to the back.

Building Instructions (Bag 4, Book 1):

Group 12 - Off Road Mountain Truck

61.1. Horizontally place a light grey 2x4 tile with a sticker on top of the tiles inside the right side of the truck! This is the back of the truck! It should not connect to any studs!

61.2. Skip this step if you have already placed your sticker! Ask a helper to place sticker 5 on the light grey 2x4 tile. This sticker is a teal sleeping bag. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

62. Horizontally place a silver shovel next to the 2x4 tile from the previous step.

63. Let's make a part! Let's make the roof of the truck! Horizontally place an olive green 6x10 plate in front of you. Then vertically place a black 1x2 tile on the rightmost column so it is centered vertically.

64. Place a black 1x1 clip in front and behind the ppp so the clip hands are on the left and right.

Group 13 - Off Road Mountain Truck

65. Vertically place a dark tan 2x4 tile to the left of the 2 ppp so it is centered vertically. Now vertically place a dark tan 1x4 tile with 2 studs to the left. Then vertically place another dark tan 2x4 tile to the left. Then vertically place another 1x4 tile with 2 studs to the left. Then lastly vertically place a dark tan 2x4 tile to the left. They should all be centered vertically!

66. Vertically place 2 dark grey 1x2 plates with 2 side studs sticking up, 1 in front of the other, on the leftmost column so they are centered vertically and the side studs face the left.

67. Place a black 1x1 slope tile on the front left corner so it slopes to the front. Then place a black 1x1 clip to the right so the clip hands are on the left and right. Then horizontally place a black 1x8 tile to the right. Now repeat everything symmetrically to the back.

Group 14 - Off Road Mountain Truck

68. Vertically place a black 1x4 tile with 2 studs on the leftmost column so it is centered vertically.

69. Horizontally place a transparent 1x4 tile upright on the left-facing side studs so it is centered horizontally.

70. Attach a black 4L bar to the 2 rightmost clips so it is centered vertically.

71.1. Let's make 2 identical parts! Place a black bar with a bar holder in front of you so the bar hole faces the right and the bar is horizontal. Now attach a black bar with a stop on 1 side to the bar hole so the side with a stop is on the right. Then attach a black bar with a bar hole to the right-facing bar so the bar is horizontal.

71.2. Now you should have 2 identical parts! Horizontally attach the left end of 1 part to the front left clip so the part sits on the right. Then repeat symmetrically to the back.

72. Bring back your car so it is horizontal and the windshield slopes to the left. Now vertically place your part on top of the 10 rightmost columns so it is centered vertically.

73.1. Let's make a part! Let's make a container with storage! Vertically place a dark grey 3x4 crate in front of you.

73.2. Horizontally place a red 1x2 plate with a bar on the long side on the back row so the bar faces the front. Then horizontally place a white 1x2 tile printed with a light blue star on top.

73.3. Place a gold 1x1 round tile printed with a dark blue compass on the front right corner. Then place a light grey pair of binoculars behind it so the larger side faces the back.

73.4. Place a silver wrench inside the crate. It should not connect to any studs! Then vertically place a black 3x4 tile with 4 studs on top so it is centered.

73.5. Vertically place your part on the 2 rightmost studs of the roof so it is centered horizontally and vertically on them.

74.1. Let's make a part! Let's make a container with storage! Vertically place a dark grey 3x4 crate in front of you.

74.2. Place a light blue 1x1 round tile with a top-facing bar on top of a transparent light blue 1x1 round brick, then place it inside the crate.

74.3. Place a transparent yellow 1x1 round tile on top of the larger end of a light grey light saber handle, then place it inside.

74.4. Place a yellow banana inside the crate. Then vertically place a black 3x4 tile with 4 studs on top so it is centered.

74.5. Vertically place your part to the left of the previous crate so it is centered vertically.

75.1. Let's make 4 identical parts. Let's make the wheels! Insert 4 dark grey wheels into 4 black tires.

75.2. Now you should have 4 wheels! Attach them to the front-facing and back-facing pins so the hollow sides face outwards!

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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