60485 Hot Rod
Adapted by John Le and tested by Hannah Kinsey.

Young race car lovers ages 5 and up can buckle up for high-speed drag racing action with the LEGO® City Hot Rod car toy (60485). This model car building kit packs big thrills with detailed racing features including oversized rear tires, a driver cockpit with a lift-up roof, and a cool purple color scheme with neon green flames. Just add the driver minifigure for fast-paced pretend play.

HOT ROD RACE CAR TOY – Buckle up for thrilling pretend play street racing action with the LEGO® City Hot Rod model car playset with a driver minifigure for race car fans ages 5 and up.

CLASSIC TOY CAR BUILDING KIT – Includes everything kids need to build a classic toy hot rod car with oversized rear tires and a bold purple color scheme with neon green flames.

PLAY OUT RACING ACTION – Lift the roof of the hot rod race car and put the driver minifigure behind the wheel for fast-paced play and imaginative storytelling.

DIMENSIONS – The toy hot rod in this 81-piece LEGO® car building set measures over 2.5 in. (6 cm) high, 4.5 in. (12 cm) long and 1.5 in. (4 cm) wide.

The front of the box shows the purple and green hot rod driving in the desert!

The back of the box shows the back of the car. It is purple, has a lime green engine and lime green flames on the sides.

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

The build is 81 pieces in total and is for ages 5+.

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/60485) 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 unlabeled bags, 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.

Bags 1-2 - Driver and Hot Rod
Group 1 - Pages 6-7.
Group 2 - Pages 8-33.
Group 3 - Pages 34-43.
Group 4 - Pages 44-71.
Group 5 - Pages 72-91.

Let’s get to building!

Building Instructions (Bags 1-2, Book 1):

Group 1 - Driver

Sub-build 1. Locate 1 sand blue pair of legs, 1 torso printed with a white shirt and a black jacket, 1 yellow head printed with eyes, lips, and a mouth, and a brown hair. Assemble your minifigure then put him away while we make a Hot Rod.

Group 2 - Hot Rod

8-9. Vertically place a light grey 2x4 plate with 1x2 bricks with axle holes on the sides in front of you. Then insert a tan 2L pin axle into the front-facing axle hole so the pin faces the front. Then repeat symmetrically to the back.

10-11. Vertically place a tan 1x2 brick with an axle hole on the left column so it is centered vertically. Then vertically place a light blue 1x2 plate on the right column so it is centered vertically. Now vertically place a lime green 1x2 plate with 4 side studs on the right column so it is centered vertically and the side studs face the right. Now vertically place another light blue 1x2 plate on the right column so it is centered vertically.

12-15. Horizontally place a black 1x4 rounded plate upright on the right-facing side studs. Then horizontally place a transparent red 1x2 rounded tile upright on the right-facing side studs so it is centered horizontally. Now attach a transparent orange flame to each of the 2 right-facing side studs so they are vertical.

16-17. Rotate your build 180 degrees so the flames face the left. Now insert a yellow 3L axle into the right-facing axle hole.

18-19. Let's make a part! Horizontally place a dark grey 2x6 plate with 1x2 bricks with axle holes on the ends in front of you. Then vertically place a tan 1x2 brick with an axle hole on the 2nd column from the left.

20-21. Horizontally attach the left-facing axle hole of your part to the right-facing axle of the main build so it goes all the way in.

22-23. Vertically place a light grey 1x2 steering wheel on the 2nd column from the right so the wheel faces the left.

24-25. Horizontally place a dark grey 2x4 plate on the 4 leftmost columns so it is centered vertically. Then insert a yellow 3L axle into the right-facing axle hole so it faces the right.

26-27. Let's make a part! Horizontally place a dark grey 2x4 plate in front of you. Then vertically place a tan 1x2 brick with an axle hole on the leftmost column. Now vertically place a black 2x2 plate with round parts and 2 pins on the 2 rightmost columns so the pins face the front and back. Now place a light grey 1x2 plate with a 1x2 brick with a pinhole on the 2nd and 3rd columns from the right so the 1x2 brick with a pinhole is on the left.

28-29. Attach the left-facing axle hole of your part to the right-facing axle of the main build so it goes all the way in.

30-31. Place a light orange 2x2 plate on the 2 leftmost columns so it is centered vertically. Then horizontally place a sand green 2x3 plate on the 3rd to 5th columns from the right.

32-33. Vertically place a black 1x2 plate with 2x2 upright side studs on the rightmost column so the side studs face the right.

Group 3 - Hot Rod

34-35. Horizontally place a dark grey 1x2 hinge base on the front row of the 2 rightmost columns so the wall faces the back. Now repeat symmetrically to the back.

36-37. Horizontally place a black 1x2 plate with a bar underneath on top of each of the 2 ppp so the studs face outwards to the front and back.

38-39. Horizontally place a dark tan 1x2 plate with 2x2 side studs hanging down on the front row of the 3rd and 4th columns from the left so the side studs face the front. Then repeat symmetrically to the back. Now horizontally place another 1 on the front row of the 4th and 5th columns from the right so the side studs face the front. Then repeat symmetrically to the back.

40-41. Horizontally place a lime green 2x3 plate with a round side and pinhole upright on the 2 leftmost columns of front-facing side studs so the round side overhangs to the right. Then repeat symmetrically to the right.

42-43. Vertically place a purple 1x2 tile upright on the leftmost column of front-facing side studs.

44-45. Let's make a part! Horizontally place a purple 2x4 plate in front of you. Then place a purple 2x2 plate on top so it is centered horizontally. Now place a purple 2x2 sloped curved tile on the 2 leftmost columns so it slopes to the left. Then horizontally place a purple 2x4 sloped curved tile printed with a lime green flame to the right of the ppp so it slopes and overhangs 2 columns to the right.

46-47. Horizontally place your part upright on the front-facing, to the right of the upright 1x2 tile so the 2x4 sloped curved tile slopes to the right.

48-49. Rotate your build 180 degrees. Now horizontally place a lime green 2x3 plate with a round side and pinhole upright on the 2 leftmost columns of front-facing side studs so the round side overhangs to the right. Then repeat symmetrically to the right.

50-51. Vertically place a purple 1x2 tile upright on the rightmost column of front-facing side studs.

52-53. Let's make a part! Horizontally place a purple 2x4 plate in front of you. Then place a purple 2x2 plate on top so it is centered horizontally. Now place a purple 2x2 sloped curved tile on the 2 rightmost columns so it slopes to the right. Then horizontally place a purple 2x4 sloped curved tile printed with a lime green flame to the left of the ppp so it slopes and overhangs 2 columns to the left.

54-55. Horizontally place your part upright on the front-facing, to the left of the upright 1x2 tile so the 2x4 sloped curved tile slopes to the left.

56-57. Vertically place a purple 3x4 sloped curved brick with 2 studs on the 2nd column from the right so it is centered vertically and slopes to the right.

58-59. Vertically stack 2 black 1x4 rounded plates to the left of the ppp.

60-61. Vertically place a purple 2x2 sloped curved tile on the 2 rightmost columns of studs so it is centered vertically and slopes to the right. Now vertically place a brown 1x2 double sloped curved tile to the left of the ppp so it is centered vertically.

62-63. Vertically place a black 1x2 plate with a clip on the 4th column from the left so it is centered vertically and the clip faces the left. Now vertically place 2 black 1x2 plates with a hinge, 1 in front of the other, to the right of the ppp so together they are centered vertically and the hinges face outwards to the front and back.

64-65. Vertically place a purple 1x4 double sloped curved tile on the 4th column from the left so it is centered vertically.

66-67. Horizontally attach the bar of a lime green 1x2 plate with a bar to the left-facing clip so the studs are on the left.

68-69. Let's make a part! Horizontally place a lime green 2x3 plate with a round side and a pinhole in front of you so the round side faces the right. Now vertically place a lime green 1x4 double sloped curved tile on the leftmost column so it is centered vertically. Then place a lime green 2x2 tile with a round side printed with dark grey lines to the right of the ppp so the round side faces the right.

70-71. Horizontally place your part upright on the left-facing side studs so it is centered horizontally, 1 row overhangs to the top, and the round side faces up.

Group 5 - Hot Rod

72-75. Horizontally place a light grey 1x3 rounded plate upright on the 2 leftmost front-facing side studs so 1 column overhangs to the right. Now place a transparent orange candle flame upright on the rightmost column of the ppp so it is vertical. Then repeat both parts symmetrically to the back.

76-77. Vertically place a transparent black 1x4 panel to the right of the 1x4 double sloped curved tile that is to the right of the 2 ppp so it is centered vertically and the wall faces the right. Now place a dark grey claw on the front stud of the 4th column from the right so the claw hands face left and right. Then repeat symmetrically to the back.

78-79. Let's make a part! Horizontally place a purple 4x6 car hood upside down in front of you. Then place 2 purple 2x2 plates with a bar underneath, 1 in front of the other, on the 2 rightmost columns so the bars are on the right.

80-81. Horizontally place a purple 1x2 inverted sloped curved tile on the front row of the 2nd and 3rd columns from the right so it slopes to the left. Then repeat symmetrically to the back.

82-83. Flip your part over so it is upright, horizontal, and the bars are on the right. Now attach the bars of your part to the 2 top-facing claws that are on the 4th column from the right so it sits to the left.

84-85. Let's make 2 identical parts! Insert a dark grey wheel into a larger black tire.

86-87. Now you should have 2 identical parts! Attach 1 wheel into the rightmost front-facing pin so the hollow side faces the front. Then repeat symmetrically to the back.

88-91. Attach a smaller black wheel to the leftmost front-facing pin so the hollow side faces the front. 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!

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

We hope you enjoyed building your LEGO set! Bricks for the Blind are able to create these text-based building instructions thanks to generous donations from our builders. If you enjoy the instructions we create, please consider making a $5 donation at https://www.gofundme.com/f/bricks-for-the-blind-gofundme. Bricks for the Blind is a registered tax exempt 501(c)(3) corporation.

Please sign up for our newsletter and follow us on Facebook and Instagram to be the first to know when new instructions are available!

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