60486 EV Supercar
Adapted by John Le and tested by Peter Durieux.

Treat your young electric car enthusiast to the LEGO® City EV Supercar (60486) building kit for kids ages 5 years and up. This easy-to-build EV sports car toy is packed with realistic details for play and display, including sleek aerodynamic bodywork with a bold red and black color scheme, low-profile rubber tires, taillight bar and a tinted cockpit canopy. Kids can open the rear hatch to access the toy battery pack and put the driver minifigure behind the wheel for hours of fast-paced pretend play and imaginative storytelling. This small toy car playset makes a great birthday gift or surprise treat for boys, girls and kids who love modern electric vehicles and LEGO building.

MODEL EV CAR TOY – Kids ages 5+ can enjoy fast-paced racing play with the LEGO® City EV Supercar (60486) pretend electric sports car, including a driver minifigure with a smartphone.

EV SUPERCAR FEATURES – This building kit has all kids need to build a toy EV with a bold red and black color scheme, taillight bar, air intakes, low-profile rubber tires and a sleek aerodynamic design.

JUST LIKE THE REAL THING – Lift the rear hatch of the small black and red sports car to access the toy battery pack and put the driver minifigure behind the wheel for hours of foot-to-the-floor action.

DIMENSIONS – The EV model in this 109-piece LEGO® car building set measures over 1.5 in. (4 cm) high, 5 in. (13 cm) long and 2 in. (5 cm) wide.

The front of the box shows a black and red EV supercar driving down the highway!

The back of the box shows the back of the car. The back of the car opens revealing its battery!

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

The build is 109 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/60486) 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 EV Supercar
Group 1 - Pages 6-7.
Group 2 - Pages 8-21.
Group 3 - Pages 22-41.
Group 4 - Pages 42-59.
Group 5 - Pages 60-61 and 1 dark grey 1x4 tile with 2 studs and a red 2x2 triangle tile from Pages 62-65.
Group 6 - Rest of Pages 62-65 and 1 black 1x4 tile with 2 studs and a black 2x2 triangle tile from Pages 66-69.
Group 7 - Rest of Pages 66-69 and Pages 70-77.
Group 8 - Pages 78-89.
Group 9 - Pages 90-95.

Let’s get to building!

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

Group 1 - Driver

Sub-build 1. Locate 1 dark grey pair of legs, 1 torso printed with a dark red shirt and light brown jacket, 1 yellow head printed with a smile, eyes, and glasses, 1 black hair, and 1 black 1x2 tile printed with a blue

phone screen. Assemble your minifigure, attach the phone to his hand, then put him away while we make his EV supercar!

Group 2 - EV Supercar

8-9. Horizontally place a black 4x14 car base with 4 axle holes in front of you. Then insert a tan 2L pin axle into the leftmost front-facing axle hole so the pin faces the front. Then repeat symmetrically to the right. Now repeat both parts symmetrically to the back.

10-11. Horizontally place a light blue 2x3 plate on the 2nd to 4th columns from the right so it is centered vertically. Then vertically place a white 1x2 rounded plate on the 2nd column from the left so it is centered vertically.

12-13. Place a tan 2x2 plate with 2 side studs on the 2 leftmost columns so it is centered vertically and the side studs face the left.

14-15. Vertically place a white 1x2 rounded plate on the 2nd column from the left so it is centered vertically. Then horizontally place a lime green 2x4 brick to the right of the ppp. Now place a nougat 2x2 slope brick to the right of the ppp so it slopes to the right.

16-17. Let’s make a part! Vertically place a black 2x6 plate with a round side and a 2x3 plate in front of you so the round side faces the right. Now vertically place a silver 1x2 ingot tile on the right column so it is centered vertically. Now place a black 2x2 plate with a cutoff corner on the front 2 rows so the cutoff corner faces the front right. Then repeat symmetrically to the back.

18-19. Place the 2 leftmost columns of your part on the 2 rightmost columns of the main build so it is centered vertically and the round side overhangs 2 columns to the right.

20-21. Vertically place a white 1x2 rounded plate on the 5th column from the right so it is centered vertically. Then vertically place a light grey 1x2 steering wheel to the left of the ppp so it is centered vertically and the wheel faces the left.

Group 3 - EV Supercar

22-23. Vertically place a red 1x2 slope tile on the 3rd column from the right so it is centered vertically and slopes to the right. Then place a red 2x2 brick to the left of the ppp.

24-25. Vertically place a black 2x4 plate on the 2 rightmost columns so it is centered vertically. Then horizontally place a transparent 1x2 tile with a cutoff corner in front of the ppp so the cutoff corner faces the front right. Then repeat symmetrically to the back.

26-27. Place a teal 1x1 round plate on the front stud of the 2nd column from the right. Then horizontally place a black 2x4 brick with a mudguard to the left of the ppp so the mudguard and 1 row overhang to the front. Now repeat both parts symmetrically to the back.

28-29. Vertically place a white 1x2 rounded plate on the leftmost column so it is centered vertically. Then horizontally place a light grey 2x4 plate to the right of the ppp. Now place a nougat 2x2 slope brick to the right of the ppp so it slopes to the right.

30-31. Horizontally place a light grey 1x2 plate with 2x2 side studs, on the front row of the 7th and 8th columns from the left so the side studs face the front. Then horizontally place another 1 to the right of the ppp so the side studs face the front. Then repeat both parts symmetrically to the back.

32-33. Place a dark grey 1x1 corner panel on the front row of the 7th column from the left so the corner wall faces the front left. Then horizontally place a dark grey 1x1 tile with a 1x1 slope tile to the right of the ppp so there is a 2 column gap in between them and it slopes to the left. Now repeat both parts symmetrically to the back.

34-35. Let's make 2 identical parts! Horizontally stack 2 red 1x2 plates in front of you. Then place a red 2x2 brick on top of the ppp so it overhangs 1 row to the back.

36-37. Place the back row of 1 part on the front row of the 5th and 6th columns from the left so it overhangs 1 row to the front. Then repeat symmetrically to the back.

38-41. Horizontally place a red 2x4 brick with a mudguard on the front left corner so the mudguard and 1 row overhang to the front. Then horizontally place a red 1x2 plate on the front row of the 2nd and 3rd columns from the left. Now repeat both parts symmetrically to the back.

Group 4 - EV Supercar

42-43. Let's make a part! Horizontally place 2 black 1x2 plates with 2 upright side studs, 1 to the right of the other, in front of you so the side studs face the back. Now horizontally place a red 1x2 slope tile on top so it is centered horizontally and slopes to the front. Then horizontally place a red 1x2 sloped curved tile to the left and right of the ppp so they slope and overhang outwards.

44-45. Horizontally place your part upright on the left-facing side studs so it is centered vertically and the 4 studs face up.

46-47. Horizontally place a transparent red 2x4 plate on the 4 leftmost columns so it is centered vertically. Then vertically place 2 sand green 1x2 jumper plates, 1 to the right of the other, to the right of the ppp.

48-49. Horizontally place a light blue 1x2 tile printed with a battery on top of the 2 ppp. Then place a dark grey 1x1 tile on the column to the right of the ppp so it sits on the 2nd row from the front. Then repeat symmetrically to the back.

50-51. Horizontally place a light grey 1x5 plate to the left of each of the 2 ppp.

52-53. Vertically place a white 1x2 rounded plate on the 2nd column from the left so it is centered vertically. Now horizontally place 2 dark grey 1x2 plates with a stud and a clip, 1 in front of the other, to the right of the ppp so the clips are on the right.

54-55. Vertically place a black 1x2 slope tile on the 2nd column from the left so it is centered vertically and slopes to the right. Then vertically place a black 1x4 tile with 2 studs to the right of the ppp so it is centered vertically.

Group 5 - EV Supercar

56-57. Vertically place a red 1x2 slope tile on the leftmost column so it is centered vertically and slopes to the left. Then vertically place a transparent red 1x2 tile with a cutoff corner in front of the ppp so the cutoff corner faces the front left. Then repeat symmetrically to the back.

58-59. Horizontally place a red 2x3 angled sloped curved tile on the front left corner so it slopes to the left, the angled part faces the front left, and the leftmost column sits on the 1x2 tile with a cutoff corner. Then repeat symmetrically to the back.

60-61. Horizontally place a dark grey 1x3 tile on the 2nd row from the back, to the right of the ppp. Then repeat symmetrically to the front. Now vertically place a silver 1x2 ingot tile to the right of the 2 ppp so it is centered vertically.

62-63.1. Horizontally place a dark grey 1x4 tile with 2 studs upright on the top row of front-facing side studs.

You will have an extra red 2x2 triangle tile. Save it for later!

Group 6 - EV Supercar

62-63.2. Horizontally place a black 1x4 tile with 2 studs upright on the bottom row of front-facing side studs.

64-65. Place a red 2x2 triangle tile from group 5 upright on the 2 leftmost front-facing side studs so the right angle faces the bottom left. Then place a black 2x2 triangle tile upright on the 2 rightmost front-facing side studs so the right angle faces the top right.

66-67.1. Rotate your build 180 degrees. Now horizontally place a black 1x4 tile with 2 studs upright on the bottom row of front-facing side studs.

You will have an extra black 2x2 triangle tile. Save it for later!

Group 7 - EV Supercar

66-67.2. Horizontally place a dark grey 1x4 tile with 2 studs upright on the top row of front-facing side studs.

68-69. Place a black 2x2 triangle tile from group 6 upright on the 2 leftmost front-facing side studs so the right angle faces the top left. Then place a red 2x2 triangle tile upright on the 2 rightmost front-facing side studs so the right angle faces the bottom right.

70-71. Horizontally place a black 1x3 sloped curved tile on the front row of the 4th to 6th columns from the left so it slopes to the right. It should only sit on 2 studs. Then horizontally place a black 1x6 tile to the right of the ppp so it sits on 3 studs. Now repeat both parts symmetrically to the back.

72-73. Place a black 2x2 curved corner plate on the 2nd and 3rd rows from the front of the 4th and 5th columns from the left so the curve faces the front right. Then repeat symmetrically to the back.

74-75. Horizontally place a black 2x4 sloped curved brick on the 4 leftmost columns so it is centered vertically and slopes to the left.

76-77. Horizontally place a black 2x3 angled sloped curved brick on the front left corner so it slopes to the left, the angled part faces the front left. Then repeat symmetrically to the back.

Group 8 - EV Supercar

78-79. Horizontally place a red 1x3 sloped curved tile on the front row of the 4th to 6th columns from the right so it slopes to the left. Then repeat symmetrically to the back.

80-81. Let's make a part! Place a black 4x4 sloped curved brick in front of you so it slopes to the right. Now horizontally place 2 black 1x2 plates with a bar, 1 in front of the other, underneath the 2 rightmost columns so the bars face the right.

82-83. Attach the bars of your part to the 2 top-facing clips that are on the 4th column from the right so it slopes to the right. This is the cover for the battery!

84-85. Horizontally place a transparent black 4x6 sloped curved windshield to the left of the previous part so it is centered vertically and slopes to the left.

86-89. Attach a black wheel to the rightmost front-facing pin so the hollow side faces the front. Then place a red 2x2 round tile with a pinhole upright on the front-facing side of the ppp. Then repeat both parts symmetrically to the back.

Group 9 - EV Supercar

90-95. Attach a black wheel to the leftmost front-facing pin so the hollow side faces the front. Then place a dark grey 2x2 round tile with a pinhole upright on the front-facing side of the ppp. Then repeat both parts 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.

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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