

## **60481 Rides – Police Truck**

Adapted by John Le and tested by Peter Durieux.

Unleash action-packed police adventures with the LEGO® City Rides – Police Truck (60481) mini building kit for kids aged 5 and up. This compact, buildable toy police truck with cool rims, low-profile rubber tires, a push bumper, prison bars and toy emergency lights offers young builders a fun way to explore the world of LEGO City. The set also includes a LEGO City Rides police officer junior minifigure that fits perfectly in the driver's cab for hours of pretend play.

**POLICE TOY FOR AGES 5+ – Mobilize exciting police patrol adventures with this LEGO® City Rides – Police Truck (60481) building set for young builders.**

**EASY TO BUILD TOY VEHICLE – This mini building kit comes with all the pieces kids need to create their very own toy police truck, plus a LEGO® City Rides police officer junior minifigure.**

**CAR TOY FOR HANDS-ON PLAY – This small model police truck features an iconic design with cool rims, low-profile rubber tires, a push bumper, prison bars and toy emergency lights for imaginative play.**

**RIDES POLICE OFFICER JUNIOR MINIFIGURE – Kids can put the mini police officer behind the wheel and head out on thrilling crook-catching missions.**

**DIMENSIONS – The toy police vehicle in this 71-piece LEGO® City Rides construction kit measures over 2.5 in. (6 cm) high, 3 in. (8 cm) long and 2 in. (5 cm) wide.**

The front of the box shows a police car flashing its lights, zooming to the crime!

The back of the box shows that you can detach the wheels and roof of the car!

The top of the box shows a real size image of a baby minifigure.

The build is 71 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/60481>) 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 - Junior Minifigure and Police Truck

Group 1 - Page 5.

Group 2 - Pages 6-9 and 1 white 2x4 brick with a mudguard from Pages 10-11.

Group 3 - Rest of Pages 10-11 and Pages 12-19.

Group 4 - Pages 20-25 and 2 dark grey 1x1 slope tiles from Pages 26-27.

Group 5 - Rest of Pages 26-27 and Pages 28-35.

Group 6 - Pages 36-51 and transparent blue 1x2 tile from Pages 52-53.

Group 7 - Rest of Pages 52-53 and Pages 54-60.

Let's get to building!

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

Group 1 - Junior Minifigure

Sub-build 1. Locate 1 dark blue baby body with yellow hands and a 1 yellow head with a white helmet printed with eyes and lips. Assemble your junior minifigure then put him aside while we make his ride!

Group 2 - Police Truck

6-7. Horizontally place a dark grey 2x8 plate in front of you. Then horizontally place a black 2x4 plate with higher ends on the 4 leftmost columns. Then repeat symmetrically to the right.

8-9. Vertically place a light grey 2x4 plate with 2 pins on the 2nd and 3rd columns from the left so it is centered vertically. Then repeat symmetrically to the right. Now horizontally place a white 2x4 brick with a mudguard on the back left corner so it overhangs in the back left and back right corners and the mudguard faces the back. Then repeat symmetrically to the front.

#### Group 3 - Police Truck

10-11. Horizontally place a dark grey 2x4 brick with a mudguard on the back right corner so it overhangs in the back left and back right corners and the mudguard faces the back. Then repeat symmetrically to the front.

12-13. Let's make a part! Horizontally place a dark grey 1x2 plate with 2x4 side studs hanging down in front of you so the side studs face the front. Then horizontally place a dark grey 1x4 double sloped curved tile upright on the bottom row of front-facing side studs so it is centered horizontally. Now horizontally place a black 1x2 grill tile upright above the ppp so it is centered horizontally. Then place a transparent red 1x1 tile upright to the left and right of the ppp.

14-15. Vertically place your part on the rightmost column so it is centered vertically and the upright pieces face the right.

16-17. Place a transparent orange 1x1 plate on the front right corner. Then horizontally place a dark blue 1x2 plate on the front row so it is centered horizontally. Now repeat both parts symmetrically to the back.

18-19. Horizontally place a white 2x4 plate on the 2nd to 5th columns from the right so it is centered vertically.

#### Group 4 - Police Truck

20-21. Vertically place a yellow 1x2 plate on the rightmost column so it is centered vertically. Then horizontally place a yellow 1x6 plate on the front right corner. Then repeat symmetrically to the back.

22-23. Horizontally place a black 2x4 tile with 2 studs on the 2nd to 5th columns from the right so it is centered vertically. Then vertically place a black 1x2 steering wheel to the left of the ppp so it is centered vertically and the wheel faces the right.

24-25. Place a transparent orange 1x1 plate on the front left corner. Then repeat symmetrically to the back. Now vertically place a yellow 1x2 plate on the 2nd column from the left so it is centered vertically.

You will have 2 extra dark grey 1x1 slope tiles. Save them for later!

#### Group 5 - Police Truck

26-27. Let's make a part! Horizontally place a white 1x2 plate with 2x4 side studs hanging down in front of you so the side studs face the front. Now vertically place 2 dark grey 1x2 plates with a stud and clip, 1 to the right of the other, upright on the front-facing side studs so together they are centered horizontally and

the clips are on the bottom. Now place a dark grey 1x1 slope tile from group 4 upright on the bottom left front-facing side stud so it slopes to the left. Then repeat symmetrically to the right. Now place a transparent light blue 1x1 slope tile upright on the top left front-facing side stud so it slopes to the left. Then repeat symmetrically to the right.

28-29. Vertically place your part on the leftmost column so it is centered vertically and the upright parts face the left.

30-31. Vertically place a white 2x4 plate on the 2 leftmost columns.

32-33. Horizontally place a dark blue 1x6 plate on the front right corner. Then repeat symmetrically to the back.

34-35. Vertically place a black 1x2 grill tile on the 2nd column from the left so it is centered vertically. Now vertically place a black 1x2 tile with a cutoff corner in front of the ppp so the angled part overhangs to the front and the cutoff corner faces the front left. Then repeat symmetrically to the back.

36-37. Place a dark blue 2x2 sloped curved tile printed with a dark grey shield and star on the leftmost column so it is centered vertically and slopes and overhangs to the left. Now horizontally place a white 1x2 angled sloped curved tile in front of the ppp so it slopes and overhangs to the left, and the cutoff corner faces the front left. Then repeat symmetrically to the back.

38-39. Horizontally place a black 1x2 plate with a clip on the front right corner so the clip faces the right. Then horizontally place a dark blue 1x2 plate to the left of the ppp. Now repeat both parts symmetrically to the back.

40-41. Vertically place a transparent 1x2x2 panel on the rightmost column so it is centered vertically and the wall faces the right. Then horizontally place a blue 1x4 brick printed with a dark grey shield and battery on the front right corner so the print faces the front. Then repeat symmetrically to the back.

42-43. Horizontally place a black 1x2 plate with a clip on the front right corner so the clip faces the right. Then horizontally place a dark blue 1x2 plate to the left of the ppp. Now repeat both parts symmetrically to the back.

44-45. Vertically place a white 1x4 tile with 2 studs on the rightmost column. Now horizontally place a white 1x3 tile on the front row to the left of the ppp. Then repeat symmetrically to the back.

46-47. Horizontally attach a black ladder with 4 rungs to the 4 right-facing clips so the 4 rungs are vertical. Now place your junior minifigure on the 4th and 5th columns from the right so it sits on the 2x4 tile with 2 studs and the hands face the left.

48-49. Vertically place a transparent 2x4x2 windshield to the left of the ppp so it is centered vertically and slopes to the left. It should sit on 2 studs. Now horizontally attach a black bar grill to the 2 left-facing clips so it is upright and the rounded parts stick up.

50-51. Horizontally place a dark blue 4x6 car hood on the 6 rightmost columns so it is centered vertically.

52-53.1. Vertically place a transparent blue 1x2 tile on the back left stud of the ppp so it overhangs to the back.

## Group 7 - Police Truck

52-53.2. Vertically place a transparent red 1x2 tile in front of the ppp so it overhangs to the front.

54-55. Place a black 2x2 sloped curved tile on top of and to the right of the 2 ppp so it is centered vertically and slopes to the right.

56-57. Let's make 4 identical parts! Place a dark grey rim upright on the side of a black wheel with a black tire.

58-60. Now you should have 4 identical parts! Attach 2 wheels to the 2 front-facing pins so the rims face 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](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!

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 4 LEGO RIDES Theme kits:

60482 Rides – Fire Truck

60483 Rides – Construction Loader

60481 Rides – Police Truck

60484 Rides – Gaming Race Car