

## 30640 Race Car

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On the bag, a smiling woman in a white helmet and a blue shirt under a gray vest with blue sections and green markings lifts up her arm in triumph and rides a dark blue and lime green race car over the checkered finish line and past a stand holding up red, yellow and green colored lights horizontally.

This set has 44 pieces and consists of 11 steps, 2 for the stand of lights, and 9 for the race car.

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).

### Guide for BFTB Instructions V6.0

For builders with low vision, or a sighted building partner who may want to follow along with the printed visual instructions that come with each set, PDF versions are always online at [<https://www.lego.com/en-us/service/buildinginstructions/30640>] 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.

To begin a successful build, it helps to sort the pieces into groups, bags or small containers. Have a sighted friend or family member do this in advance following the instructions below. You will see that the pieces should be sorted into groups according to the building steps in the set. Doing this in advance makes locating the pieces 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 collected into 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.

Group 1: Minifigure

Group 2: Light Stand

Group 3: Race Car, steps 1-4

Group 4: Race Car, steps 5-9

Group 1:

Racer Minifigure: Step 1: Find the silver gray legs and attach them to the torso printed with a blue shirt and silver vest with blue sections and green markings and then put on the smiling head printed with a smiling face and pink lips and slide the white helmet with a clear visor onto the minifigure head.

Group 2:

Light Stand: Step 1: Put a black 3x4 tile with 4 studs in the middle horizontally in front of you and then put a white 1x2x6 brick horizontally on the middle 2 studs of the previous piece.

Step 2: Make a part: 2.1 Put a gray 1x2 plate with 1x4 studs hanging down horizontally in front of you, side studs to the front. Put 2 red 1x1 round tiles upright on the left two side studs, then put a yellow 1x1 round tile to the right of these and then put a green 1x1 round tile on the right most side stud. Put this part horizontally on top of the 1x2x6 so that the round tiles are facing you.

Now, let's build the car!

Group 3:

Car: Step 1: Put a 10x4 black vehicle base in front of you horizontally, it has a recessed middle of 2x4 studs and a 2x2 overhang on the left and right ends. Then put a red 2x2 plate with pins vertically under the left overhang so the pins are facing to the front and back and repeat symmetrically on the right end.

Step 2: Put a red 2x1 tile with steering wheel vertically, steering wheel to the right on the left end of the recessed part of the vehicle base. Put a light green 2x1 slope tile vertically slope to the left on the right end of the 2x4 recessed part of the vehicle base.

Step 3: Put a gray 2x2 plate to the left of the steering wheel and put another gray 2x2 plate to the right of the slope tile that's at the right of the recessed 2x4 area. Put a gray 2x1 plate with 1x4 side studs hanging down vertically to the right of the previous piece side studs overhanging to the right and down.

Step 4: Put a black 2x2 short ridged brick on the previous piece and to the left. put a green 6x1 plate horizontally on the front end of the build in the middle and repeat symmetrically to the back. Put a green 1x2 plate vertically to the left of the steering wheel.

Group 4:

Step 5: Put a green 1x2 slope tile vertically slope to the left. on top of the previous piece, put a black 2x2 plate with curved wings on the right end of the build vertically, curves of the wings to the left. Put a gray 1x2 log brick vertically to the left.

Step 6: Put a green 1x3 tile horizontally on the front row of the build at the right. Repeat symmetrically to the back. It will cover the 2x2 plate with wings and 2x1 vertical log brick to the left.

Step 7: Make a part: 7.1: Put a black 2x2 plate with curved wings vertically in front of you, curves of the wings at the left. 7.2: Put 2 green 4x1 stepped sloped curved tiles on top of the previous piece curving to the left, so that their concave steps are at the right. Put this part, which is the nose of the race car, to the left of the 2x1 sloped tile that is at the left of the car so that the nose slopes to the left.

Step 8: Put a dark blue 1x2 sloped brick horizontally on the left end of the build so that the front slopes to the left. Put a dark blue 1x4 panel piece horizontally to the right of the ppp, panel to the back. Repeat both pieces symmetrically at the back.

Step 9: Put the tires onto the wheels and mount the wheels onto the pins at the front and back of the car.

Congratulations on finishing your build! Would you like to inspire other blind people to build LEGO sets?

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