

71780 Kai's Ninja Race Car EVO

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Let ninja fans aged 6+ enjoy fast thrills with Kai's Ninja Race Car EVO (71780) building set. This LEGO® NINJAGO® car toy features an opening cockpit and an impressive golden wing spoiler on the back. It can be upgraded from an off-road vehicle into a street race car by swapping its 4 wheels.

The playset comes with a fantastic Kai minifigure, who is armed with 2 golden katana weapons and can be placed inside the cockpit to drive the red NINJAGO car. It will inspire kids to enjoy staging countless hours of racing action around the streets of NINJAGO City.

LEGO® NINJAGO® car – Kids can stage exciting race action with Kai's Ninja Race Car EVO (71780) playset.

1 minifigure – This ninja toy features a Kai minifigure, armed with 2 golden katana weapons, who can be placed inside the cockpit to drive the ninja car.

Ninja car toy – Kids can upgrade this model from an off-road vehicle into a street racer car by swapping its 4 wheels.

Fun gift idea – This car toy measures over 2 in. (5 cm) high, 5.5 in. (14 cm) long and 4 in. (10 cm) wide and can be given to kids as a birthday gift or unexpected treat.

The front of the box shows Kai driving his race car along the side of a cliff!

The back of the box shows how you can take off the rear wing to change the style of the car! You can also open the windshield to put your minifigure inside!

The top of the box shows a real size image of Kai!

The build is 94 pieces in total and is for ages 6+.

2 bags labeled 1 include the pieces for Kai and his 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).

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/71780>) 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 bags labeled 1, 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 - Kai and Race Car

Group 1 - Page 6.

Group 2 - Steps 1-9.

Group 3 - Steps 10-17.

Group 4 - Steps 18-33.

Group 5 - Steps 34-46.

Let's get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Kai

Sub-build 1. Locate 1 dark tan pair of legs printed with a dark red belt and red shorts, 1 torso printed with a red karate gee with orange fire, 1 yellow head printed with a mean face with a white bandage above the left eye, 1 red mask with an orange headband, and 1 gold katana. Assemble your minifigure and make sure the hole of the mask faces the front, then attach the katana to his hand!

Group 2 - Race Car

1. Horizontally place a light grey 2x4 plate with a hole underneath in front of you. Then vertically place a gold 1x2 grill tile on the rightmost column.
2. Horizontally place a black 4x12 car base on top of the 3 leftmost columns so it overhangs 9 columns to the left.
3. Horizontally place a light orange 1x4 plate on the front row so it is centered horizontally. Then repeat symmetrically to the back.
4. Vertically place a red 1x2 steering wheel on the leftmost column of the 2x4 gap of the car base so the wheel faces the right. Then vertically place a light grey 1x2 tile with an overhead bar on top of the rightmost column of the 2x4 gap so the bar is on the right.
5. Vertically place a red 1x2 brick with an axle hole on the rightmost column so it sits to the left of the grill tile.
6. Horizontally place a red 2x3 angled brick on the front row to the left of the 1x2 brick with an axle hole so the angled side overhangs to the front and the short end faces the right. Then repeat symmetrically to the back.
7. Horizontally place a red 2x2 plate with 1x4 extended angled parts on the 4 rightmost columns so the extended parts face the left. There should be no overhang.
- 8.1. Let's make 2 identical parts! Horizontally place a black 2x4 plate in front of you. Then place 2 red 2x2 plates with 2 side studs, 1 to the right of the other on top so the side studs face the front.
- 8.2. Now you should have 2 identical parts! Horizontally place 1 on the front 2 rows in front of the steering wheel and tile with an overhead bar so the side studs face the front. Then repeat symmetrically to the back.
9. Vertically place a light grey 1x2 tile with an overhead bar on the 3rd column from the right, not counting the grill tile, so it is centered vertically and the bar is on the left.

Group 3 - Race Car

10. Horizontally place 2 red 1x2 sloped curved bricks, 1 to the right of the other, on the front row so together they are centered horizontally and slope to the back. Then repeat symmetrically to the back.
11. Vertically place a brown 1x2 plate on the leftmost column.

12. Place a black 1x1x2 brick with 2 side studs on the front row to the right of the 1x2 plate from the previous step so the side studs face the front. Then horizontally place a tan 1x2x2 brick with 2x2 side studs to the right so the side studs face the front. Now repeat both parts symmetrically to the back.

13.1. Let's make the front end of the car! Horizontally place a light grey 2x4 plate with a hole underneath in front of you.

13.2. Place a red 2x2 sloped curved tile on the leftmost column so it slopes and overhangs to the left.

13.3. Vertically place a brown 1x2 plate on the leftmost column.

13.4. Vertically place a black 1x2 plate with 2 side studs sticking up on the leftmost column so the side studs face the left.

13.5. Horizontally place a gold 1x2 grill tile upright on the left-facing side studs.

13.6. Horizontally place the 2 rightmost columns of your part underneath the 2 leftmost columns of the main build so it slopes to the left.

14. Place a red 2x2 round brick with a hole on the 2 leftmost columns so the hole faces the front and back.

15. Vertically attach the pins of a brown 1x3 rounded part with a hole and 2 pins to the 2 front-facing holes that are on the left side. Then repeat symmetrically to the back.

16. Horizontally place a red 1x2 plate with a clip and a stud on the front row on top of the 4th and 5th columns from the left so the clip is on the right. Then repeat symmetrically to the back. They should be sitting on top of the 1x2x2 bricks with 2x2 side studs.

17.1. Horizontally place a red 2x4 sloped curved tile with a sticker on top of the 4 leftmost columns so it slopes to the left.

17.2. Skip this step if you have already placed your sticker! Ask a helper to place sticker 2 on the red 2x4 sloped curved tile. This sticker has orange fire and car grills. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

Group 4 - Race Car

18. Vertically place 3 light grey 1x2 plates with a stud and a hinge, 1 to the right of the other, upright on the front-facing 2x3 side studs that are on the left side so the hinges are on top. Now place 3 gold 1x1 round plates, 1 to the right of the other, upright on them.

19. Repeat the previous step symmetrically to the back.

20.1. Let's make 2 identical parts that hold the front wheels! Horizontally place a tan 3L pin in front of you so the longer pin side faces the left. Now attach a brown 1L pin connector into the left side so it is centered horizontally.

20.2. Now you should have 2 identical parts! Rotate your build 90 degrees so it is vertical and slopes to the front. Now insert the left side of 1 part into the front right-facing pin hole. Then repeat symmetrically to the left.

21.1. Let's make 2 identical parts that hold the back wheels! Horizontally place a black 2L pin connector in front of you. Then insert a yellow 2L pin into the left and right sides!

21.2. Now you should have 2 identical parts! Rotate your build 180 degrees so it slopes to the back. Then attach 1 part to the front right-facing pin hole. Then repeat symmetrically to the left.

22. Attach the bar of a transparent sloped curved windshield to the top-facing clips so it comes down to the front.

23-24. Rotate your build 90 degrees so the curved sloped end faces the right. Now attach 4 large black wheels to the front and back facing pins so the ridged side of the wheels face inwards.

25. Let's make the right side of the car! Place a light orange 4x4 plate in front of you.

26. Horizontally place a light orange 1x4 plate on the front row.

27. Horizontally place a black 1x2 plate with 1x4 side studs hanging down on the front row so it is centered horizontally and the side studs face the front.

28. Horizontally place a light orange 1x4 sloped curved tile on the front row.

29.1. Horizontally place a red 4x4 sloped tile with ridges and a sticker on the back 3 rows so it slopes and overhangs to the back.

29.2. Skip this step if you have already placed your sticker! Ask a helper to place sticker 1 on the red 4x4 sloped tile with ridges. This sticker has orange fire on it. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

30. Horizontally place a black 1x2 grill slope tile upright on the 2 right front-facing side studs so it slopes to the left. Then place a brown 1x1 plate with a clip upright on the leftmost front-facing side stud so the clip faces up.

31. Horizontally place a black 1x2 sloped curved tile upright on the 2 leftmost front-facing columns so it slopes to the right.

32. Make sure your car is horizontal and the windshield is on the left. Then attach your part upright to the front-facing side studs so the upright parts face the right. Make sure there is no overhang at the top and it should hang 1 row down.

33. Attach a gold katana to the front-facing clip of your previous part you placed so the blade faces the left.

Group 5 - Race Car

34. Let's make the left side of the car! Place a light orange 4x4 plate in front of you.

35. Horizontally place a light orange 1x4 plate on the front row.

36. Horizontally place a black 1x2 plate with 1x4 side studs hanging down on the front row so it is centered horizontally and the side studs face the front.

37. Horizontally place a light orange 1x4 sloped curved tile on the front row.

38.1. Horizontally place a red 4x4 sloped tile with ridges and a sticker on the back 3 rows so it slopes and overhangs to the back.

38.2. Skip this step if you have already placed your sticker! Ask a helper to place sticker 1 on the red 4x4 sloped tile with ridges. This sticker has orange fire on it. Make sure the sticker is placed on correctly and is oriented on the build correctly, ask a sighted person to check.

39. Horizontally place a black 1x2 grill slope tile upright on the 2 left front-facing side studs so it slopes to the left. Then place a brown 1x1 plate with a clip upright on the rightmost front-facing side stud so the clip faces up.

40. Horizontally place a black 1x2 sloped curved tile upright on the 2 rightmost front-facing columns so it slopes to the left.

41. Make sure your car is horizontal and the windshield is on the right. Then attach your part upright to the front-facing side studs so the upright parts face the left. Make sure there is no overhang at the top and it should hang 1 row down.

42. Attach a gold katana to the front-facing clip of your previous part you placed so the blade faces the left.

43-44. You can flip the tires around to change them into street tires!

45. Make sure the windshield is on the right. Then attach the axle of a black 2L axle with a axle connector into the right-facing axle hole so the axle connector faces up and down.

46.1. Let's make the rear wing! Horizontally place a gold blade with an axle hole in front of you so the tip faces the front left and the axle hole faces the right. Now insert a 3L axle into the right-facing axle hole.

46.2. Vertically attach the axle connector of a black 2L axle with an axle connector to the right-facing axle so it is centered horizontally on the 3L axle and the 2L axle faces down.

46.3. Attach a gold blade with an axle hole to the right-facing axle so the tip faces the front right.

46.4. Vertically attach the axle of your part to the top-facing axle hole of your car so the tips of the blades face the front left and back left.

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!

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At the end of the instruction booklets are advertisements for the following 8 LEGO NinjagoTheme kits:

71785 Jay's Titan Mech

71782 Cole's Earth Dragon EVO

71781 Lloyd's Mech Battle

71783 Kai's Mech Rider EVO

71786 Zane's Ice Dragon Creature

71780 Kai's Ninja Race Car EVO

71787 Creative Ninja Brick Box

71784 Jay's Lightning Jet EVO